

## D176/D177 SERVICE MANUAL

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Ricoh Americas Corporation

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## D176/D177

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## READ THIS FIRST

## Important Safety Notices

## Prevention of Physical Injury

1. Before disassembling or assembling parts of the copier and peripherals, make sure that the copier power cord is unplugged.
2. The wall outlet should be near the copier and easily accessible.
3. If any adjustment or operation check has to be made with exterior covers off or open while the main switch is turned on, keep hands away from electrified or mechanically driven components.
4. The copier drives some of its components when it completes the warm-up period. Be careful to keep hands away from the mechanical and electrical components as the copier starts operation.
5. The inside and the metal parts of the fusing unit become extremely hot while the copier is operating. Be careful to avoid touching those components with your bare hands.

## Health Safety Conditions

1. Toner and developer are non-toxic, but if you get either of them in your eyes by accident, it may cause temporary eye discomfort. Immediately wash eyes with plenty of water. If unsuccessful, get medical attention.
2. The copier, which use high voltage power source, can generate ozone gas. High ozone density is harmful to human health. Therefore, the machine must be installed in a well-ventilated room.

## Observance of Electrical Safety Standards

The copier and its peripherals must be serviced by a customer service representative who has completed the training course on those models.

## $\triangle$ WARNING

- Keep the machine away from flammable liquids, gases, and aerosols. A fire or an explosion might occur.


## $\triangle$ CAUTION

- The Controller board on this machine contains a lithium battery. The danger of explosion exists if a battery of this type is incorrectly replaced. Replace only with the same or an equivalent type recommended by the manufacturer. Discard batteries in accordance with the manufacturer's instructions and local regulations.
- The optional fax and memory expansion units contain lithium batteries, which can explode if replaced incorrectly. Replace only with the same or an equivalent type recommended by the manufacturer. Do not recharge or burn the batteries. Used batteries must be handled in accordance with local regulations.


## Safety and Ecological Notes for Disposal

1. Do not incinerate toner bottles or used toner. Toner dust may ignite suddenly when exposed to an open flame.
2. Dispose of used toner, the maintenance unit which includes developer or the organic photoconductor in accordance with local regulations. (These are non-toxic supplies.)
3. Dispose of replaced parts in accordance with local regulations.
4. When keeping used lithium batteries in order to dispose of them later, do not put more than 100 batteries per sealed box. Storing larger numbers or not sealing them apart may lead to chemical reactions and heat build-up.

## Laser Safety

The Center for Devices and Radiological Health (CDRH) prohibits the repair of laser-based optical units in the field. The optical housing unit can only be repaired in a factory or at a location with the requisite equipment. The laser subsystem is replaceable in the field by a qualified Customer Engineer. The laser chassis is not repairable in the field. Customer engineers are therefore directed to return all chassis and laser subsystems to the factory or service depot when replacement of the optical subsystem is required.

## $\triangle$ WARNING

- Use of controls, or adjustment, or performance of procedures other than those specified in this manual may result in hazardous radiation exposure.


## © WARNING

- Turn off the main switch before attempting any of the procedures in the Laser Optics Housing Unit section. Laser beams can seriously damage your eyes.


## CAUTION MARKING:



## Warnings, Cautions, Notes

In this manual, the following important symbols and notations are used.

## $\triangle$ WARNING

- A Warning indicates a potentially hazardous situation. Failure to obey a Warning could result in death or serious injury.
CAUTION
- A Caution indicates a potentially hazardous situation. Failure to obey a Caution could result in minor or moderate injury or damage to the machine or other property.


## *) Important

- Obey these guidelines to avoid problems such as misfeeds, damage to originals, loss of valuable data and to prevent damage to the machine.


## ( $)$ Note

 )- This information provides tips and advice about how to best service the machine.


## Symbols, Abbreviations and Trademarks

This manual uses several symbols and abbreviations. The meaning of those symbols and abbreviations are as follows:

| (3) | Clip ring |
| :---: | :---: |
| $\hat{\theta}$ | Screw |
| 島 | Connector |
| 包 | Clamp |
| SEF | Short Edge Feed |
| LEF | Long Edge Feed |


[B]

[A] Short Edge Feed (SEF)
[B] Long Edge Feed (LEF)

## Trademarks

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Other product names used herein are for identification purposes only and may be trademarks of their respective companies. We disclaim any and all rights involved with those marks.

## PRODUCT INFORMATION

| REVISION HISTORY |  |  |
| :--- | :--- | :--- |
| Page | Date | Added/Updated/New |
|  |  | None |

## 1. PRODUCT INFORMATION

### 1.1 PRODUCT OVERVIEW

### 1.1.1 COMPONENT LAYOUT



| No. | Description | No. | Description |
| :---: | :--- | :---: | :--- |
| 1 | Scanner Unit | 6 | Paper Feed Unit |
| 2 | Paper Exit Unit | 7 | Waste Toner Unit |
| 3 | Fusing Unit | 8 | Laser Exposure Unit |
| 4 | Paper Transfer Unit | 9 | PCDU |
| 5 | Duplex Unit | 10 | Image Transfer Unit |

### 1.1.2 SCANNER UNIT


d177f4540

| No. | Description | No. | Description |
| :---: | :--- | :---: | :--- |
| 1 | Operation Panel | 6 | Scanner Input/Output (SIO) board |
| 2 | Scanner lamp Unit (LED) | 7 | Scanner motor |
| 3 | Scanner Home Position sensor | 8 | Auto Paper Size detection (APS) <br> sensor 1 |
| 4 | Anti-condensation heater (Scanner <br> heater) ${ }^{* 1}$ | 9 | Auto Paper Size detection (APS) <br> sensor 2 |
| 5 | DF Position Sensor | 10 | Sensor Board Unit (SBU) |

[^0]
### 1.1.3 LASER EXPOSURE UNIT


d1500914

| No. | Description | No. | Description |
| :---: | :--- | :---: | :--- |
| 1 | Skew motor | 5 | Polygon mirror motor |
| 2 | Synchronizing detector board: M/Y-S | 6 | LD Drive Board (M/Y) |
| 3 | Skew motor | 7 | LD Drive Board (Bk/C) |
| 4 | Skew motor | 8 | Synchronizing detector board: <br> Bk/C-S |

### 1.1.4 IMAGE TRANSFER UNIT



| No. | Description |
| :---: | :--- |
| 1 | Interlock switch: Front cover (LD Safety Switch) |
| 2 | Interlock switch: Duplex Unit (LD Safety Switch) |
| 3 | ITB contact and release sensor |
| 4 | TM/P sensor shutter solenoid |
| 5 | TM/P sensor (rear) |
| 6 | TM/P sensor (center) |
| 7 | TM/P sensor (front) |

### 1.1.5 PCDU



| No. | Description | No. | Description |
| :---: | :--- | :---: | :--- |
| 1 | PCDU (Y) | 3 | PCDU (C) |
| 2 | PCDU (M) | 4 | PCDU (Bk) |

### 1.1.6 TONER SUPPLY I WASTE TONER BOTTLE


d1500919

| No. | Description | No. | Description |
| :---: | :--- | :---: | :--- |
| 1 | ID chip (Y) | 10 | Toner end sensor (Y) |
| 2 | Toner bottle drive motor (Y) | 11 | Toner transport motor (M) |
| 3 | ID chip (M) | 12 | Toner end sensor (M) |
| 4 | Toner bottle drive motor (M) | 13 | Toner transport motor (C) |
| 5 | ID chip (C) | 14 | Toner end sensor (C) |
| 6 | Toner bottle drive motor (C) | 15 | Toner end sensor (Bk) |
| 7 | ID chip (Bk) | 16 | Toner transport motor (Bk) |
| 8 | Toner bottle drive motor (Bk) | 17 | Waste toner capacity sensor |
| 9 | Toner transport motor (Y) | 18 | Waste toner bottle set switch |

### 1.1.7 PAPER FEED UNIT



| No. | Description | No. | Description |
| :---: | :--- | :---: | :--- |
| 1 | Tray set switch (1st feed tray) | 10 | Paper feed sensor (1st feed tray) |
| 2 | Lift motor (1st feed tray) | 11 | Paper end sensor (2nd feed tray) |
| 3 | Tray set switch (2nd feed tray) | 12 | Limit sensor (2nd feed tray) |
| 4 | Lift motor (2nd feed tray) | 13 | Transport sensor (1st feed tray) |
| 5 | Registration sensor | 14 | Paper end sensor (1st feed tray) |
| 6 | Size switch (2nd Feed Tray) | 15 | Limit sensor (1st feed tray) |
| 7 | Anti-condensation heater | 16 | Pick-up solenoid (2nd feed tray) |
| 8 | Paper feed sensor (2nd Feed Tray) | 17 | Pick-up solenoid (1st feed tray) |
| 9 | Transport sensor (2nd Feed Tray) |  |  |

### 1.1.8 DUPLEX UNIT



| No. | Description | No. | Description |
| :---: | :--- | :---: | :--- |
| 1 | Duplex entrance motor | 5 | By-pass pick-up solenoid |
| 2 | Right door open/close switch | 6 | By-pass/Duplex motor |
| 3 | Duplex entrance sensor | 7 | By-pass paper end sensor |
| 4 | Duplex unit open/close sensor | 8 | Duplex exit sensor |

### 1.1.9 BY-PASS UNIT



| No. | Description | No. | Description |
| :---: | :--- | :---: | :--- |
| 1 | Main Scanning Sensor | 5 | By-pass length sensor |
| 2 | By-pass length sensor | 6 | Side Fence Drive Motor |
| 3 | Main Scanning Sensor | 7 | Side Fence Paper Contact sensor |
| 4 | Side Fence Paper Contact sensor |  |  |

## Product Overview

### 1.1.10 FUSING UNIT



| No. | Description | No. | Description |
| :---: | :--- | :---: | :--- |
| 1 | Fusing pressure release sensor | 9 | Thermistor (center) |
| 2 | Shield position sensor (Lower) | 10 | Thermostat (edge) |
| 3 | Shield position sensor (Upper) | 11 | Thermostat (center) |
| 4 | Thermopile (edge) | 12 | NC sensor (center) |
| 5 | Thermopile (center) | 13 | NC sensor (edge) |
| 6 | Fusing exit sensor | 14 | Thermistor (edge) |
| 7 | Shield drive motor | 15 | Shield sensor 1 / 2 |
| 8 | Fusing heater |  |  |

### 1.1.11 PAPER TRANSFER / PAPER EXIT



| No. | Description | No. | Description |
| :---: | :--- | :---: | :--- |
| 1 | Inversion Motor | 5 | Fusing entrance sensor |
| 2 | Inversion Sensor | 6 | Fusing jam sensor |
| 3 | Paper exit sensor | 7 | Paper exit solenoid |
| 4 | PTR open/close sensor |  |  |

### 1.1.12 AIR FLOW


d176f2043

| No. | Description | No. | Description |
| :---: | :--- | :---: | :--- |
| 1 | Paper exit cooling fan | 5 | Ozone exhaust fan |
| 2 | Development intake fan/right | 6 | Thermistor |
| 3 | Development intake fan/left | 7 | Toner supply cooling fan |
| 4 | PSU cooling fan | 8 | Fusing exhaust heat fan |

### 1.1.13 DRIVE UNIT


d1500923

| No. | Description | No. | Description |
| :---: | :--- | :---: | :--- |
| 1 | Imaging IOB | 7 | Registration Motor |
| 2 | Development Motor: CMY | 8 | PCU Motor: CMY |
| 3 | Development Motor: Black | 9 | Phase sensor |
| 4 | PCU: Black / Image Transfer Motor | 10 | Fusing Motor |
| 5 | Paper Feed Motor | 11 | Paper Exit / Pressure Release Motor |
| 6 | Transport Motor |  |  |

### 1.1.14 BOARD / SWITCH



| No. | Description | No. | Description |
| :---: | :--- | :---: | :--- |
| 1 | Power switch | 7 | PSU (DC Power) |
| 2 | Interlock switch: front cover | 8 | PSU (AC controller board) |
| 3 | HVP_TTS | 9 | BCU |
| 4 | Control board | 10 | Controller box cooling fan |
| 5 | HDD | 11 | IPU |
| 6 | Paper Transport IOB |  |  |

### 1.1.15 PAPER PATH



| No. | Description | No. | Description |
| :---: | :--- | :---: | :---: |
| 1 | ARDF DF3090 | 3 | Internal Finisher SR3130 |
| 2 | Paper Feed Unit PB3160 |  |  |



| No. | Description | No. | Description |
| :---: | :--- | :---: | :--- |
| 1 | Platen Cover PN2000 | 3 | Side Tray Type M3 |
| 2 | Paper Feed Unit PB3150 | 4 | 1 Bin Tray BN3110 |

### 1.1.16 DRIVE LAYOUT


d1500901

| No. | Description | No. | Description |
| :---: | :--- | :---: | :--- |
| 1 | Paper feed motor | 12 | Toner bottle drive motor (C) |
| 2 | Duplex / By-pass motor | 13 | Toner bottle drive motor (M) |
| 3 | Transport motor | 14 | Toner bottle drive motor (Y) |
| 4 | Registration motor | 15 | Toner transport motor (Y) |
| 5 | Paper transfer contact motor | 16 | Toner transport motor (M) |
| 6 | Fusing motor | 17 | Toner transport motor (C) |
| 7 | Paper exit / Pressure release motor | 18 | Toner transport motor (Bk) |
| 8 | Duplex entrance motor | 19 | Development Motor: CMY |
| 9 | Inversion motor | 20 | PCU Motor: CMY |

## Product Overview

| No. | Description | No. | Description |
| :---: | :--- | :---: | :---: |
| 10 | Scanner motor | 21 | Development Motor: Black |
| 11 | Toner bottle drive motor (Bk) | 22 | PCU: Black / Image Transfer Motor |

### 1.2 MACHINE CODES AND PERIPHERALS

## CONFIGURATION

### 1.2.1 DIAGRAM

## Options

Mainframe: ARDF as standard (NA, EU)


| Item | Machine Code | Call out |
| :--- | :--- | :---: |
| Platen Cover PN 2000 | D700 (EU, Asia, TWN, <br> CHN, KOR) | 1 |
| ARDF DF3090 | D779 (Asia, TWN, CHN, <br> KOR) | 2 |


| Item | Machine Code | Call out |
| :---: | :---: | :---: |
| Smart Operation Panel Type M3 | D148-81 (NA) <br> D148-85 (TWN, CHN) | 3 |
| Paper Feed Unit PB3150 | D694 | 4 |
| Caster Table Type M3 | D178 | 5 |
| Paper Feed Unit PB3210 | D787 | 6 |
| 1 Bin Tray BN3110 | D692 | 7 |
| Internal Shift Tray SH3070 | D691 | 8 |
| Side Tray Type M3 | D725 | 9 |
| Internal Finisher SR3130 | D690 | 10 |
| Internal Finisher SR3180 | D766 | 11 |
| Handset HS3020 | D739-05 | 12 |
| Punch Unit PU3040 NA | D716-17 | - |
| Punch Unit PU3040 EU | D716-27 | - |
| Punch Unit PU3040 SC | D716-28 | - |
| Fax Option Type M3 | D163 | - |
| G3 Interface Unit Type M3 | D163 | - |
| Memory Unit Type B 32MB | G578 | - |
| IEEE 802.11a/g/n Interface Unit Type M2 | D164-01 | - |
| Memory Unit Type M3 2GB | D164-03 | - |
| Fax Connection Unit Type M3 | $\begin{aligned} & \text { D165-01 (NA) } \\ & \text { D165-02 (EU) } \\ & \text { D165-03 (Asia) } \end{aligned}$ | - |
| Postscript3 Unit Type M3 | $\begin{aligned} & \text { D165-05 (NA) } \\ & \text { D165-06 (EU) } \\ & \text { D165-07 (Asia) } \end{aligned}$ | - |
| Camera Direct Print Card Type M3 | D165-13 | - |


| Item | Machine Code | Call out |
| :---: | :---: | :---: |
| Browser Unit Type M9 | D165-25 (NA) <br> D165-26 (EU) <br> D165-27 (Asia, TWN, CHN, <br> KOR) |  |
| SD card for NetWare printing Type M3 | D165-19 | - |
| IPDS Unit Type M3 | $\begin{aligned} & \text { D165-20 (NA) } \\ & \text { D165-21 (EU) } \\ & \text { D165-22 (Asia) } \end{aligned}$ | - |
| OCR Unit Type M2 | $\begin{aligned} & \text { D166-25 (NA) } \\ & \text { D166-26 (EU) } \\ & \text { D166-27 (Asia) } \end{aligned}$ | - |
| Smart Card Reader Built-in Unit Type M2 | D739-06 | - |
| Imageable Area Extension Unit Type M3 | D739-07 | - |
| Marker Type 30 | H903 | - |
| ADF Handle Type C | D593-81 | - |
| IEEE 1284 Interface Board Type A | B679 | - |
| Bluetooth Interface Unit Type D | D566 | - |
| File Format Converter Type E | D377-04 | - |
| Copy Data Security Unit Type G | D640 | - |
| Optional Counter Interface Unit Type A | B870 | - |
| Key Counter Bracket Type M3 | D739-09 | - |
| Card Reader Bracket Type 3352 | D593-61 | - |
| Unicode Font Package for SAP(R) 1 License | B869-01 | - |
| Unicode Font Package for SAP(R) 10 License | B869-02 | - |
| Unicode Font Package for SAP(R) 100 License | B869-03 | - |
| DataOverwriteSecurity Unit Type H | D377-06 | - |
| Waste Toner Bottle MP C6003 | D860-01 | - |


| Item | Machine Code | Call out |
| :---: | :--- | :---: |
| External Keyboard Bracket Type M3 | D739-10 | - |

### 1.3 SPECIFICATIONS

See "Appendices" for the following information:

- General Specifications
- Supported Paper Sizes
- Software Accessories
- Optional Equipment
- Other Specifications


### 1.4 GUIDANCE FOR THOSE WHO ARE FAMILIAR WITH SIMILAR PRODUCTS

### 1.4.1 DIFFERENCES FROM SIMILAR MODELS

Scan, LD unit, Paper feed unit

| Item | D176/D177 | D146/D147/D148/D149/D150 |
| :---: | :--- | :--- |\(\left.| \begin{array}{l}LD146/D147) <br>

\hline LD 1 beam <br>
(D148/D149/D150) <br>

LD 4 beams\end{array}\right]\)| Paper feed |
| :--- |
| Change of pick-up roller material <br> Locked tray <br> No pick-up solenoid <br> No paper feed sensor (main frame <br> only) <br> No double feed detection |
| only) <br> Tray pull-in mechanism |

## Duplex, Driving, Main frame

| Item | D176/D177 | D146/D147/D148/D149/D150 |
| :---: | :---: | :---: |
| Duplex / Exit | Duplex: 52-169 g/m² <br> No paper exit full sensor | Duplex: 52-256g/m ${ }^{2}$ <br> Jam detection LED <br> (D148/D149/D150 only) |
| Paper Feed Capacity | Up to 2300 maximum. (550×4, 100) | Up to 4700 maximum. $(550 \times 2,1000 \times 2,1500,100)$ |
| Memory | 1.5 GB | $\begin{aligned} & \text { (D146/D147) } \\ & 1.5 \text { GB } \\ & \text { (D148/D149/D150) } \\ & 2.0 \text { GB } \end{aligned}$ |
| First copy time (BW) | 3.1 sec | (D146/D147) 4.6 sec <br> (D148) 4.0 sec <br> (D149/D150) 3.1 sec |
| First copy time (Color) | 4.6 sec | (D146/D147) 7.3 sec <br> (D148) 5.7 sec <br> (D149/D150) 4.6 sec |
| Warm-up time | Less than 19 sec | (D146/D147) 19 sec (D148) 20 sec (D149/D150) 17 sec |
| By-pass | No side fence set assist function | Side fence set assist function(D150 only) |
| Air flow | 8 fans | (D146/D147) <br> 8 fans <br> (D148/D149/D150) <br> 11 fans |


| Item | D176/D177 | D146/D147/D148/D149/D150 |
| :---: | :--- | :--- |
| PCDU | DC charge roller (Contact type) <br> No lubricant bar <br> 3-layer drum <br> Discharge lamp is in the mainframe <br> Correction SP value must be input <br> when PCU is replaced | 4-layer drum <br> Lubricant bar <br> No discharge lamp |
| Dev. Unit | Two mixing augers, two-way <br> circulation (see diagram [B] below) | Two mixing augers, one way <br> circulation (see diagram [A] <br> below) |


[A]

[B]
d177f3005

## Fusing

| Item | D176/D177 | D146/D147/D148/D149/D150 |
| :--- | :--- | :--- |
| Fusing sleeve <br> unit | No reflective plate with fusing <br> sleeve unit | Reflective plate with fusing sleeve <br> unit |

## Electrical component

| Item | D176/D177 | D146/D147/D148/D149/D150 |
| :---: | :--- | :--- |
| HVP-CB | Correction SP value must be input <br> when this board is replaced. | No SP value |

### 1.4.2 NEW FEATURES OF D176/D177

| Item | Description |
| :---: | :--- |
| SFU (Smart Firmware Update) | New feature of firmware update. Firmware can be <br> updated through a simple operation at the operation <br> panel only if the machine is connected to <br> @Remote. |

### 1.4.3 IMPORTANT NOTICE FOR MACHINE

| Item | Description |
| :--- | :--- |
|  | New PCU has unstable charging characteristics <br> and sensitive to charging voltage. When replacing <br> Correction SP value after <br> replacement of specific parts |
| parts below, please make sure to correct SP values <br> to optimize imaging process. |  |
|  | •PCU |

# INSTALLATION 

| REVISION HISTORY |  |  |
| :--- | :--- | :--- |
| Page | Date | Added/Updated/New |
|  |  | None |

## 2. INSTALLATION

### 2.1 INSTALLATION REQUIREMENTS

### 2.1.1 ENVIRONMENT



| Temperature Range: | $10^{\circ} \mathrm{C}$ to $32^{\circ} \mathrm{C}\left(50^{\circ} \mathrm{F}\right.$ to $\left.90^{\circ} \mathrm{F}\right)$ |
| :--- | :--- |
| Humidity Range: | $15 \%$ to $80 \% \mathrm{RH}$ |
| Ambient Illumination: | Less than 1,500 lux (do not expose to direct sunlight.) |
| Ventilation: | Room air should turn over at least $30 \mathrm{~m} 3 / \mathrm{hr} /$ person |

1. Avoid areas exposed to sudden temperature changes:
1) Areas directly exposed to cool air from an air conditioner.
2) Areas directly exposed to heat from a heater.
2. Do not place the machine where it will be exposed to corrosive gases.
3. Do not install the machine at any location over $2,000 \mathrm{~m}(6,500 \mathrm{ft}$.) above sea level.
(D135 for NA can be installed only up to 2,500m (8,202 ft.))
4. Place the main machine on a strong and level base. Inclination on any side should be no more than 5 mm (0.2").
5. Do not place the machine where it may be subjected to strong vibrations.

### 2.1.2 MACHINE SPACE REQUIREMENTS



| $[A]$ | Left | Over $100 \mathrm{~mm}\left(3.99^{\prime \prime}\right)$ |
| :--- | :--- | :--- |
| $[B]$ | Rear | Over $100 \mathrm{~mm}\left(3.9^{\prime \prime}\right)$ |
| $[C]$ | Right | Over $100 \mathrm{~mm}\left(3.9{ }^{\prime \prime}\right)$ |
| [D] | Front | Over $750 \mathrm{~mm}\left(29.5^{\prime \prime}\right)$ |

Put the machine near the power source with the clearance shown above.

### 2.1.3 MACHINE DIMENSIONS



| $[A]$ | 1210 mm | $[\mathrm{D}]$ | 247 mm |
| :---: | :--- | :--- | :--- |
| $[B]$ | 1030 mm | $[\mathrm{E}]$ | 788 mm |
| $[\mathrm{C}]$ | 180 mm | $[\mathrm{~F}]$ | 587 mm |

### 2.1.4 POWER REQUIREMENTS

## $\triangle$ CAUTION

- Insert the plug firmly in the outlet.
- Do not use an outlet extension plug or cord.
- Ground the machine.


## Input voltage level

| Destination | Power supply voltage | Rated current consumption | Permissible voltage fluctuation |
| :---: | :---: | :---: | :---: |
| NA | 120 to 127V | 12A or more | Imaging: $108 \mathrm{~V}(120 \mathrm{~V}-10 \%)$ <br> to $138 \mathrm{~V}(127 \mathrm{~V}+8.66 \%)$ <br> Motions: $102 \mathrm{~V}(120 \mathrm{~V}-15 \%)$ <br> to $138 \mathrm{~V}(127 \mathrm{~V}+8.66 \%)$ |
| EU | 220 to 240 V | 10A | Imaging: $\pm 10 \%$ <br> Motions: $\pm 15 \%$ |
| AP |  |  |  |
| CHN |  |  |  |
| TWN | 110 V | 20A |  |

### 2.2 MAIN MACHINE INSTALLATION

### 2.2.1 IMPORTANT NOTICE ON SECURITY ISSUES

In order to increase the security of the MFP, and to ensure that the customer sets the administrator password, an administrator set/change prompt display is shown up at the first power-up.

## Overview

- The following Program/Change Administrator screen is displayed at the first power-up.

- When the customers set the administrator/supervisor login password, the display disappears and the home display will appear. The customers, however, can erase this screen with the following procedure in the case that they think there is no need to set the password.

1. On the Program/Change Administrator screen, press [Change] next to Supervisor and then touch [OK] without inputting any password.
2. Touch [OK] again when the Confirm password display shows up.
3. For Administrator 1, do the same procedure as steps 1 and 2.
4. Press the [OK] button, then the home display appears.

- SP5-755-002 allows you to skip this screen temporarily and continue the installation procedure without setting an administrator password. However, the Program/Change Administrator screen appears every time you turn the power OFF/ON, if the password is not set.


## Password setting procedure

## (4) Note

- For more details about this security issue, see "Notes on Using Multi-Function Printers Safely" supplied with the MFP.


## $\triangle$ CAUTION

- When Supervisor / Administrator 1-4 passwords are configured via network, the "Change Supervisor login password" window won't display.
- The passwords for Supervisor or Administrator 1 to 4 can be set via "System Settings". But the Program/Change Administrator screen appears every time the power switch is turned ON if the passwords are input this way. So we recommend the customers to set the passwords via network or the Program/Change Administrator screen.

1. Install the MFP.
2. Turn the main power switch ON.
3. Change the Supervisor login password.

4. Input the password.

5. Press [OK].

6. Confirm the Password.

7. Press [OK].

8. Change the Administrator 1 login password.
```
Arogam/Oange Adrinistrator
Set items, then wress [OK].
-Suenvisar
    #
Adninistrator 1
Losin Fassword
```



```
Nate: It is importart that you do not forget this password.
```

9. Input the password.

10. Press [OK].

11. Confirm the password.

12. Press [OK].

13. Cycle the power OFF/ON.

### 2.2.2 INSTALLATION FLOW CHART



### 2.2.3 ACCESSORY CHECK

| Description | Q'ty |
| :--- | :---: |
| Power Supply Cord | 1 |
| Operation Instruction (User Guide) | 1 |
| Operation Instruction (Read This First) | 1 |
| Operation Instruction (Security Guide) | 1 |
| CD-ROM - Driver (NA/EU/AA) | 1 |
| CD-ROM - OI (NA/EU/AA) | 1 |
| CD-ROM - Driver/OI (TWN/CHN) | 1 |
| Holder - Glass cleaner | 1 |
| Sheet : Exposure Glass | 1 |
| Image Transfer Cover | 1 |
| TAPPING SCREW | 1 |
| Plate - Logo | 1 |
| Sheet - Logo | 1 |
| End Fence - Output Tray | 1 |
| Sheet - Application : Multi Language: Blank | 1 |
| Sheet - Application : Multi Language: EU | 1 |
| Sheet - Journal : Blank | 1 |
| Sheet - Safety (EU) | 1 |
| Sheet - EMC (EU) | 1 |
| Sheet - Name: TEL (CHN) | 1 |
| Sheet - EULA | 1 |
| Sheet - Security Password | 1 |
|  | 1 |


| Description | Q'ty |
| :--- | :---: |
| Seal - Caution | 1 |
| Decal - Paper Tray | 1 |
| Decal - Original Table | 1 |
| Decal - Caution : Original : Multi Language | 1 |

### 2.2.4 INSTALLATION PROCEDURE

## $\triangle$ CAUTION

- Remove the tape from the development units before you turn the main switch on. The development units can be severely damaged if you do not remove the tape.
Put the machine on the paper tray unit first if you install an optional paper tray unit at the same time. Then install the machine and other options.


## (4) Note

- Keep the shipping retainers after you install the machine. You may need them in the future if you transport the machine to another location.


## Removal of packing materials and shipping retainers / Removal of PCDU seal

1. Remove the machine from the box, and check the items in the package.
$\triangle$ CAUTION

- Before lifting up the machine, as there are hidden handles, remove the retainers [A] at the lower front right.



## ( 4 Note

- When you lift the machine, hold the correct parts, as shown in the diagram below.
- Do not lift by holding the scanner unit, etc., because this might deform the machine or break the exterior covers


2. Remove the orange tape and retainers on the outside.

3. Remove the paper size decal $[A]$ on the exposure glass.

4. Pull out the 1st and 2nd paper feed tray, and remove the orange tape.

5. Remove the scanner support [A].

6. Open the front cover, and store the scanner support in the storage location [A].


## (1) Note

- The factory setting sheet is kept in the position [A].

7. Carefully pull out the heat seal [A].

8. Secure the ITB unit front cover $[A](\mathbb{E} \times 1)$.


## Toner bottle installation

1. Open the front cover.
2. Shake the toner bottle ( $B k$ ) 5 to 6 times.
3. Remove the toner bottle protection cap [A].

4. Push the toner bottle into the machine slowly.

5. Set the toner bottles ( $Y, M, C$ ) in the same way.
6. Close the front cover.

- When the power is turned on, it will fill up for the first time in about 5 minutes.


## Attaching the optical cloth pocket

1. Clean the adhesive surface of the optical cloth pocket with an alcohol-soaked cloth.
2. Attach the optical cloth pocket $[A]$ to the left side of the scanner and put the optical cloth into the pocket.


## Attaching paper output tray parts

1. Attach the part [A] to the paper output tray.

First, insert and attach the front pin (inside the blue circle).


## Connecting the power cord

## $\triangle$ CAUTION

- Do not use any connectors other than the power cord provided. Also, do not use an extension cord.

1. Connect the power cord to the machine.


### 2.2.5 IMAGE QUALITY TEST / SETTINGS

## Image quality test

When there are other options to be installed, install according to the procedure for each.

1. After checking that clamps, etc., have been removed, connect the power plug to the wall socket.
2. Turn the main power supply switch ON.
3. Check that the operation panel shows the following display.
"Please supply the tray with paper."
4. The paper size is basically detected automatically.
5. Pull out the paper feed tray slowly until it stops.
6. While pressing the release lever, adjust the side fence to the paper size to be set.
7. Set the back fence.

## Checking the copy image with the test chart

Check the copy image with the test chart.

## Paper setting

1. If necessary, adjust the registration for the paper feed tray.

* SP1-002-002 (Side-to-Side Registration Paper Tray 1)
* SP1-002-003 (Side-to-Side Registration Paper Tray 2)


### 2.2.6 MOVING THE MACHINE

This section shows you how to manually move the machine from one floor to another floor. See the section "Transporting the Machine" if you have to pack the machine and move it a longer distance.

- Before turning off the main power, make sure $100 \%$ is shown as available memory on the screen if the fax option is installed.
- Turn off the main power.
- Disconnect the power plug from the outlet.
- Close all covers and paper trays, including the front cover and bypass tray.
- Keep the machine level and carry it carefully, taking care not to jolt or tip it, and protect the machine from strong shocks.
- When moving the machine, do not press against the ADF.


### 2.3 PAPER FEED UNIT PB3210

### 2.3.1 ACCESSORY CHECK

| No. | Description | Q'ty |
| :---: | :--- | :---: |
| 1 | SCREW:M4X10 | 2 |
| 2 | SCREW:SPRING WASHER:ROUND |  |
| POINT:M4X10 | 1 |  |
| 3 | BRACKET:COUPLING | 2 |



### 2.3.2 INSTALLATION PROCEDURE

## $\triangle$ CAUTION

- The machine should be held at the correct locations and lifted gently.
- If it is lifted without care, handled carelessly or dropped, it may result in an injury.
- When installing this option, turn the machine power OFF, and unplug the power supply cord from the wall socket.
- If it is installed with the power on, it may result in an electric shock or a malfunction.
- Be sure to join the machine to the paper feed unit so as to prevent equipment from falling over.
- If they are not connected, they may move and fall over, resulting in injury.

1. Remove the orange tape and retainers.
2. Remove the items provided (fixing screws, etc.) from the package.

Holding the grips on the machine, align it with the locating pin [A], and place the machine on the paper feed unit.


## ( Note

- When you lift the machine, hold the correct locations.
- In particular, do not lift the machine by holding the scanner unit, etc, because this may cause the machine to deform.
- Do not put the machine down on the paper feed unit as a temporary resting place. This may cause the paper feed unit to deform. Always connect the machine and paper feed unit properly.

3. Pull out the $2 n d$ paper feed tray.
4. Using securing bracket as a screwdriver, fix the machine to the feed unit (spring washer: screw: M4×10: 1).

5. Attach the securing brackets [A] to two positions on the left and right at the rear of the machine (screws: 1 each).

6. Return the paper feed tray to the machine
7. Attach the decals as shown below.

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[A]: Tray number decal
[B]: Paper size decal

## ( + Note

 )- The tray number decal and paper size decal are packaged together with the machine.

8. Lock the casters of the paper feed unit.

9. Connect the power cord to the machine.

## ( Note

- Stabilizers are attached to the machine when it is shipped. Do not remove it.


10. Turn the power switch ON.
11. Set the paper, and check that the paper size set in the paper feed tray is displayed on the operation panel.
12. Adjust the registration for the paper feed unit.

SP1-002-004 (Side-to-Side Registration Paper Tray 3)
SP1-002-005 (Side-to-Side Registration Paper Tray 4)

### 2.4 PAPER FEED UNIT PB3150

### 2.4.1 ACCESSORY CHECK

| Description | Q'ty |
| :--- | :---: |
| Securing Bracket | 2 |
| Screw with Spring Washer $-\mathrm{M} 4 \times 10$ | 1 |
| Screws $-\mathrm{M} 4 \times 10$ | 2 |



### 2.4.2 INSTALLATION PROCEDURE

## CAUTION

- The machine should be held at the correct locations and lifted gently by two people.
- If it is lifted without care, handled carelessly or dropped, it may result in injury.
- When installing this option, turn the machine power OFF, and unplug the power supply cord from the wall socket.
- If it is installed with the power on, it may result in an electric shock or a malfunction.
- Be sure to join the machine to the paper feed unit so as to prevent equipment from falling over.
- If they are not connected, they may move and fall over, resulting in injury.

1. Remove the orange tape and retainers.
2. Remove the items provided (fixing screws, etc.) from the package.
3. Holding the grips on the machine, align it with the locating pin [A], and place the machine on the paper feed unit.


## ( Note

- When you lift the machine, hold the correct locations.
- In particular, do not lift the machine by holding the scanner unit, etc., because this may cause the machine to deform.
- Do not put the machine down on the paper feed unit as a temporary resting place. This may cause the paper feed unit to deform. Always connect the machine and paper feed unit properly.

4. Pull out the 2 nd paper feed tray.
5. Using a securing bracket as a screwdriver, fix the machine to the feed unit (spring washer: screw: M4×10: 1).

6. Attach the securing brackets [A] to two positions on the left and right at the rear of the machine (screws: 1 each).

7. Return the paper feed tray to the machine.
8. Attach the decals as shown below.

[A]: Tray number decal
[B]: Paper size decal

## ( ${ }^{(1)}$ Note

- The tray number decal and paper size decal are packaged together with the machine.

9. Connect the power cord to the machine.
10. Turn the power switch ON.
11. Set the paper, and check that the paper size set in the paper feed tray is displayed on the operation panel.
12. Adjust the registration for the paper feed unit.

SP1-002-004 (Side-to-Side Registration Paper Tray 3)

### 2.5 CASTER TABLE TYPE M3

### 2.5.1 ACCESSORY CHECK

| No. | Description | Q'ty |
| :---: | :--- | :---: |
| 1 | COVER:RIGHT:LOWER | 1 |
| 2 | BRACKET:COUPLING | 2 |
| 3 | SCREW:M4X10 | 2 |
| 4 | SCREW:SPRING WASHER:ROUND POINT:M4X10 | 1 |



### 2.5.2 INSTALLATION PROCEDURE

## $\triangle$ CAUTION

- The machine must be held at the correct locations, and must be lifted slowly.
- If it is lifted with force, handled carelessly or dropped, it will result in an injury.
- If installing this option, turn the power to the machine off, and unplug the power plug from the wall socket.
- If it is installed when the power is on, it will result in an electric shock or malfunction.
- Be sure to join the machine and caster table to prevent equipment from falling over.
- If it is not joined, the machine will move or fall over, which will result in an injury.


## How to place MFP on the caster table

1. Attach the $\mathbf{3}$ locating pins.

2. Holding the grips on the machine, align with the locating pin, and place the machine on the caster table.

## ( 1 Note

- When you lift the machine, hold the lifting handles.
- In particular, do not lift it by holding the scanner unit, etc., (as it may deform). .
- Do not put the machine down on the caster table as a temporary resting place. This may cause the machine to deform. Always connect the machine and caster unit properly.

3. Pull out the 2 nd paper feed tray.
4. Using a securing bracket, fix the machine to the paper tray unit (spring washer : screw: M4×10: 1).
5. Attach the securing brackets $[A]$ at 2 positions to left and right at the rear of the machine (screws: 1 each).
6. Return the paper feed tray to the machine.

## How to place the Paper Feed Unit PB3150 on the caster table

1. Attach the $\mathbf{3}$ locating pins.
2. Place the paper feed unit on the caster table.
3. Pull out the 1st paper feed tray of the paper feed unit.
4. Using a securing bracket, fix the caster table to the paper tray unit (spring washer : screw: M4×10: 1).
5. Attach the securing brackets at 2 positions to left and right at the rear of the machine (screws: 1 each).
6. Return the paper feed tray to the machine.
7. Holding the grips on the machine, align with the locating pins of the paper feed unit, and place the machine on the paper feed unit.

### 2.6 PLATEN COVER PN2000

### 2.6.1 ACCESSORY CHECK

Check that you have the accessories indicated below.

| No. | Description | Q'ty |
| :---: | :--- | :---: |
| 1 | COVER:PRESSURE PLATE | 1 |
| 2 | SHEET:PRESSURE PLATE:ASS'Y | 1 |
| 3 | SUPPORTER:FEELER | 1 |
| 4 | GUIDE PIN:PRESSURE PLATE:HINGE | 2 |



### 2.6.2 INSTALLATION PROCEDURE

## $\triangle$ CAUTION

- Unplug the machine power cord before starting the following procedure.

1. Install the stepped screws $\left(\begin{array}{l}(1)\end{array}\right)$.

2. Install the feeler guide [A].

3. Install the platen cover [A].

4. Place the platen sheet $[A]$ on the exposure glass.
5. Line up the rear left corner of the platen sheet flush against corner [B] on the exposure glass.

6. Close the platen cover.
7. Open the platen cover.
8. Press the surface of the platen sheet gently to fix it on the platen cover securely.

### 2.7 ARDF DF3090

### 2.7.1 ACCESSORY CHECK

Check the quantity and condition of the accessories against the following list.

| No. | Description | Q'ty |
| :---: | :--- | :---: |
| 1 | TAPPING SCREW:3X6 | 2 |
| 2 | SCREW:POSITIONING:HINGE | 1 |
| 3 | SCREW:HINGE:INNER BACK | 1 |
| 4 | FULL DUG POINT SCREW:FIX:HINGE | 2 |
| 5 | Stamp | DECAL:CAUTION:ORIGINAL:MANY <br> LANGUAGES |



### 2.7.2 INSTALLATION PROCEDURE

## $\triangle$ CAUTION

- Unplug the copier power cord before starting the following procedure.

1. All tapes and shipping retainers.
2. Insert the two stud screws ([A] is the larger stud, $[B]$ is the smaller stud).

3. Mount the ARDF [A] by aligning the screw keyholes [B] of the ARDF support plate over the stud screws.
4. Slide the ARDF toward the front of the machine.
5. Secure the ARDF with the two knob screws [C].

6. Align the rear left corner of the platen sheet [A] with the corner [B] on the exposure glass.
7. Close the ARDF.
8. Open the ARDF and check that the platen sheet is correctly attached.

9. Lift the ARDF original tray.
10. Slide the stamp holder [A] out and install the stamp cartridge in it, if necessary.

( + Note

- After the stamp installation, be sure to slide the holder in correctly. If not, jam detection (J001) will occur.

11. Attach the decals $[A][B]$ to the top cover as shown. Choose the language that you want.

12. Scanner rear cover $[A]\left({ }^{-} \times 3\right)$

13. Connect the harness [A].

14. Attach the bracket $[A](\times 1)$

15. Fasten the grounding wire $[\mathrm{A}](\mathrm{G} \times 1)$

16. Attach the rear cover.
17. Plug in and turn on the main power switch of the machine, and then check the ARDF operation.
18. Make a full size copy. Check that the registrations (side-to-side and leading edge) and image skew are correct. If they are not, adjust the registrations and image skew (see ARDF Image Adjustment in the "Replacements and Adjustments" chapter).

## When feeding thin paper

When feeding thin paper, adjust the sliding tray to the point shown below [A].
When feeding normal paper, adjust the sliding tray to the point shown below [B].
If not, it may cause problems as follows:

- Original jam
- Original curl
- Originals cannot be stacked neatly



### 2.8 1 BIN TRAY BN3110

### 2.8.1 ACCESSORY CHECK

| No. | Description | Q'ty |
| :---: | :--- | :---: |
| 1 | TRAY:SUPPORT:ASS'Y | 1 |
| 2 | TRAY:EXIT:ASS'Y | 1 |
| 3 | GEAR:Z22 | 1 |
| 4 | COVER:TRAY | 1 |
| 5 | TAPPING SCREW:ROUND POINT:3X8 | 2 |



### 2.8.2 INSTALLATION PROCEDURE

## $\triangle$ CAUTION

- When installing this option, turn the machine power off, and unplug the power plug from the wall socket. If it is installed with the power on, it will result in an electric shock or a malfunction.


## ( $)$ Note

- If you install this option together with "Side Tray Type M3", first install this option, and then install "Side Tray Type M3".
- When installing "1 Bin Tray BN3110" on the main frame, install the tray support bar unit and end fence in advance.

1. Remove the orange tape and shipping retainers.
2. Remove the enclosed items (fixing screws, etc.).
3. Open the right cover.
4. Main power switch cover [A] (
$\triangle$ CAUTION

- Remember that there is a tab at the positions in the blue circles.


5. Paper output tray [A].

6. Open the front cover.
7. Upper left cover [A] (

1 Bin Tray BN3110

8. Left rear cover $\left.[A]()^{2} \times 2\right)$.



10. Paper output cover $[A]\left(\begin{array}{l} \\ \hline\end{array} \times 1\right)$.

11. Attach the gear [A] provided.

12. Attach the 1 bin tray unit $[A]\left(\Theta^{-} \times 1, \square^{1} \times 2\right)$.
$\triangle$ CAUTION

- Take care that the harness is not trapped between the 1 bin tray unit and the machine frame.


13. Attach the harness provided.

14. Attach the tray support bar $[A]\left(\theta^{7} \times 1\right)$.

## ( Note

- Take out the harness attached in the previous step from the position in the blue circle.


15. Hook the 1 bin tray [A] onto the 1 bin tray unit, aligning the positions in the blue circles.

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16. Connect the harness to the 1 bin tray, and bring it around.

17. Insert the tray support bar firmly in the 1 bin tray, and attach the harness cover [A].


1 Bin Tray BN3110
18. Attach the left rear cover, upper left cover and main power switch cover, and close the duplex unit.
19. Turn the power switch ON.
20. Check that output to this tray can be selected on the operation panel, and check operation.

### 2.9 INTERNAL SHIFT TRAY SH3070

### 2.9.1 ACCESSORY CHECK

| No. | Description | Q'ty |
| :---: | :--- | :---: |
| 1 | COVER:SHIFT TRAY | 1 |
| 2 | LEVER:EXIT:ASS'Y | 1 |
| 3 | SHEET:PAPER EXIT SUB-UNIT | 2 |



### 2.9.2 INSTALLATION PROCEDURE

## $\triangle$ CAUTION

- When installing this option, turn the power to the machine off, and unplug the power plug from the wall socket.
- If it is installed when the power is on, it will result in an electric shock or a malfunction.

1. Remove the filament tape and packing material.
2. Remove the enclosed items.
3. Attach the part [B] to the shift tray [A].

4. Paper output tray $[A]$.

5. Connector cover [A].

6. Attach the shift tray.

7. Open the right cover.
8. Main power switch cover $[\mathrm{A}](\mathrm{B} \times 1)$.
$\triangle$ CAUTION

- Remember that there is a claw at the positions in the blue circles.


9. Paper output cover $[A]\left(\begin{array}{l}(1)\end{array}\right)$.

10. Attach the shift tray feeler [A].

11. Cut the aperture for paper out cover.

12. Attach the sheets $[A]$ at the edge of the paper output cover.

13. Attach the paper output cover and main power switch cover, and close the duplex unit.
14. Turn the power switch ON.
15. Check that paper output to the shift tray can be selected at the operation panel, and check the operation.

### 2.10 SIDE TRAY TYPE M3

### 2.10.1 ACCESSORY CHECK

| No. | Description | Q'ty |
| :--- | :--- | :---: |
| 1 | TRAY:LEFT:EXIT | 1 |
| 2 | EXTENSION TRAY:LEFT:EXIT | 1 |
| 2 | EXTENSION TRAY:EXIT:UPPER | 1 |
| 3 | STAY:COUPLING | 1 |
| 4 | SCREW:M4 | 1 |
| 5 | TAPPING SCREW:3X8 | 1 |
| 6 | TAPPING SCREW:4X10 | 1 |
| 7 | BRACKET:RIGHT FRONT | 1 |



### 2.10.2 INSTALLATION PROCEDURE

## $\triangle$ CAUTION

- When installing this option, turn the power to the machine off, and unplug the power plug from the wall socket.
- If it is installed when the power is on, it will result in an electric shock or a malfunction.


## (4) Note

- The side tray cannot be used together with "Internal Shift Tray SH3070".
- To use together with the "1 Bin Tray BN3110", attach the "1 Bin Tray BN3110" first before installing the side tray.

1. Remove the orange tape and shipping retainers.
2. Remove the enclosed items (fixing screws, etc.).
3. Paper output tray [A].

4. Open the right cover.
5. Main power switch cover $[A]\left({ }_{B} \times 1\right)$.

## $\triangle$ CAUTION

- Remember that there is a claw at the positions in the blue circles.



## 6. Connector cover [A].


7. Attach the bracket $[A](1) \times 1)$.

8. Attach the main power switch cover, and close the duplex unit.
9. Attach the side tray unit $[A]$ to the machine, and fix with a knob screw. ( $8 \times 1$ ).

10. Attach the fixing plate $[A](\times 1)$.

11. Attach the upper extension tray $[A]$ and the left extension tray $[B]$.

12. Turn the power switch $O N$.
13. Check that paper output to the side tray can be selected at the operation panel, and check the operation.

### 2.11 INTERNAL FINISHER SR3130

### 2.11.1 ACCESSORY CHECK

| No. | Description | Q'ty |
| :---: | :--- | :---: |
| 1 | Staple Cartridge | 1 |
| 2 | Front Right Cover | 1 |
| 3 | Caster Stand | 2 |
| 4 | Bottom Plate | 1 |
| 5 | Left Lower Cover | 1 |
| 6 | Entrance Guide Plate | 6 |
| - | Screw - M3 $\times 6$ | 1 |
| - | Tapping Screw - M4 x 6 | 1 |
| - | Decal - EMC Address | 1 |



### 2.11.2 INSTALLATION PROCEDURE

## $\triangle$ CAUTION

- When you install this option, turn off the power to the machine, and unplug the power plug from the wall socket.
- If it is installed with the power on, it will result in an electric shock or a malfunction.


## ( 1 Note

- Cannot be used together with "Internal Shift Tray SH3070", "Side Tray Type M3".
- To use together with the "1 Bin Tray BN3110", after attaching the bottom plate of this option, attach the " 1 Bin Tray BN3110", and then install this option.
- To use together with the "Punch Unit PU3040", first attach the "Punch Unit PU3040" before installing this option.

1. Remove the orange tape and shipping retainers.

2. Remove the package items (fixing screws, etc.).
3. Open the front cover.
4. Paper output tray [A].

5. Upper left cover [A] (

6. Left rear cover $[A]\left({ }^{-} \times 2\right)$.

7. Inverter tray $[A]$, tray support plate $[B]$.

8. Open the right cover.
9. Main power switch cover $[A]$ ( $\times 1$ ).
$\triangle$ CAUTION

- Remember that there is a claw at each location in the blue circles.


10. Paper output cover $[A]\left(\begin{array}{l}-1\end{array} \times 1\right.$.

11. Connector cover [A].

12. Paper output lower cover $[A]\binom{-1}{\times 3}$.

13. Upper rear inner cover [A] ( $\times 2$ )

14. Install a screw [A] removed in step 12.

15. While pressing the bottom plate [A] into the area shown by the blue circle [B], insert it into the slot shown by the blue circles [C][D] ( $\times 3$ ).


## ( Note

- The following procedure is the easiest way to set this component.
- 1) Slip the bottom plate [A] into the position in the blue circle [B].
- 2) Insert the bottom plate $[A]$ into the hole in the blue circle [C].
- 3) When the bottom plate $[A]$ is picked up (see below), it can be inserted into the hole in the blue circle [D].


16. Attach the upper rear inner cover.
17. Attach the paper output cover.

## ( $)$ Note

- Up to this point, the procedure is the same as punch unit installation (for fitting the punch unit, refer to Step 3 and later of the Punch unit installation procedure).

18. Attach the connector cover.
19. Attach the main power switch cover, and close the right cover.
20. Slide the finisher right front cover [A] from left to right to attach it ( ${ }^{(1)} \times 1$ ).

21. Attach the inverter tray.
22. Attach the entrance guide plate $[B]$ to the finisher $[A]\left(\theta^{2} \times 2\right)$.

23. Slide the finisher [A] along the rail of the bottom plate from the left-hand side of the machine to attach it ( $\theta^{2} \times 1$ ).

( Note

- Hold the front side [A] of the inner finisher as shown below to check if the inner finisher is correctly set in the rail of the bottom plate.

24. Attach the left rear cover.
25. Insert the upper left cover [A] from the front, and slide it to attach it.

26. Attach caster stands [A].

## (4) Note

- Because the weight is biased to the right of the machine if the inner finisher is installed, caster stands are required on the left side. Because they are included with the finisher, install these components at the same time as you install the inner finisher.


27. Connect the interface cable to the machine.

28. Move forward the stapler unit, then set the staple cartridge [A].

29. Turn the power switch on.
30. Check that the finisher can be selected at the operation panel, and check the finisher operation. Also when punch unit is installed, check the punching operation.

### 2.12 PUNCH UNIT PU3040

### 2.12.1 ACCESSORY CHECK

| No. | Description | Q'ty |
| :---: | :--- | :---: |
| 1 | TONER HOPPER:ASS'Y | 1 |
| 2 | COVER:FRONT:PUNCH UNIT:ASS'Y | 1 |
| 3 | COVER:TRAY:LOWER FRONT | 1 |
| 4 | COVER:TRAY:LOWER REAR | 1 |
| 5 | HOLDER:LOCK:RELEASE:PUNCH | 1 |
| - | SCREW:M3X6 | 3 |
| - | KNOB SCREW:M3 | 1 |


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### 2.12.2 INSTALLATION PROCEDURE

## $\triangle$ CAUTION

- When installing this option, turn the power to the machine off, and unplug the power plug from the wall socket.
- If it is installed when the power is on, it will result in an electric shock or a malfunction.


## ( 1 Note

- When supplied together with the "Internal Finisher SR3130", attach this option before installing the "Internal Finisher SR3130"
- If the "Internal Finisher SR3130" is already attached, attach this option after removing the finisher.

1. Take out from the box, and remove the filament tape and packing material.
2. Remove the finisher and finisher front right cover from the machine.
3. Perform steps $\mathbf{1}$ to $\mathbf{1 7}$ of the installation procedure for the "Internal finisher SR3130".
4. Change the fixing position of the bracket $[A]$ of the bottom plate $\left(\begin{array}{l} \\ \times 1)\end{array}\right)$.

5. Replace the lock holder of the bottom plate with the lock holder [A] provided ( $\times 1$ ).

6. Attach the main power switch cover.
7. Pass the shafts $[B]$ of the punch unit $[A]$ through the bearings $[C]$ of the bottom plate, and attach to the machine ( $\times 1$, knob screw).
If it is difficult to insert by probing, look from the side while you insert it into the bearings of the bottom plate.

8. When installing the punch unit in a finisher that is already installed, remove the relay guide plate $[A]\left(\theta^{-} \times 2\right)$.


Installation

- This step is unnecessary when installing the finisher and punch unit at the same time.

9. Attach the front right cover [A] provided, inserting the claws ( $\times 1$ ).

10. Insert the hopper [A].

11. Slide the finisher [A] along the rail of the bottom plate from the left-hand side of the machine to attach it ( ${ }^{-} \times 1$ ).

12. Attach the components $[A]$ and $[B]$ to the finisher $(\mathbb{G} \times 2)$.

13. Attach the left rear cover
14. Insert the upper left cover [A] from the front, and slide it to attach it.

15. Attach stabilizers [A].
( $\downarrow$ Note

- Because the weight is biased to the right of the machine if the inner finisher is installed, anti-tip components are required on the left side. Because they are included with the finisher, install these components at the same time as you install the inner finisher.


16. Connect the interface cable to the machine.

17. Move forward the stapler unit, then set the stapler [A].

18. Turn the power switch on.
19. Check that the finisher can be selected at the operation panel, and check the finisher and punch operation.

### 2.13 INTERNAL FINISHER SR3180

### 2.13.1 ACCESSORY CHECK

| No. | Description | Q'ty |
| :---: | :--- | :---: |
| 1 | PLATE:ACCESSORY:ASS'Y | 1 |
| 2 | COVER:ACCESSORY:ASS'Y | 1 |
| 3 | TRAY:EXIT:ASS'Y | 1 |
| 4 | TAPPING SCREW:3X8 | 2 |
| 5 | TAPPING SCREW:3X8 | 2 |
| 6 | TAPPING SCREW:3X8 | 2 |
| 7 | SCREW:M3X6 | 1 |
| 8 | TAPPING SCREW:3X6 | 1 |
| 9 | Bracket | 1 |



1]

### 2.13.2 INSTALLATION PROCEDURE

## © CAUTION

- When you install this option, turn off the power to the machine, and unplug the power plug from the wall socket.
- If it is installed with the power on, it will result in an electric shock or a malfunction.
$\qquad$
- Cannot be used together with "Internal Shift Tray SH3070" and "Side Tray Type M3".
- For using this option together with "1 Bin Tray BN3110", attach the bottom plate of this option at the beginning, then install the "1 Bin Tray BN3110", followed by installing this option.

1. Remove the orange tape and shipping retainers.

2. Remove the screw securing the unit ( $\times 1$ ).

3. Remove the shaft $[B]$ from the slide rail $[A]\left(\begin{array}{l}()\end{array}\right)$.

4. Paper output cover $[A]\left(\begin{array}{ll}(1) & 2\end{array}\right)$.


Installation
5. Place the slide rail [A] under the internal finisher [B].

6. Insert the shaft $[A]$ into the holes located in the slide rail and internal finisher, and then fasten with the screw ( ${ }^{(1)} \times 1$ ).



8. Open the front cover.
9. Paper output tray [A]. (Take hold of the claw with your fingers)

10. Left upper cover $[A]\left(\begin{array}{l}\text { ( }\end{array}\right)$.

11. Left rear cover $[A]\left(\begin{array}{l}(1)\end{array}\right)$.

12. Inverter tray [A], tray support plate [B].

13. Open the duplex unit.
14. Main power switch cover $[A]\binom{$ ( }{ 1 } .

## $\triangle$ CAUTION

- Remember that there are three claws at the blue-circled positions.


15. Paper output cover $[A]\binom{(1)}{$\hline} .

16. Connector cover [A].

17. Paper output lower cover $[A]$ ( $\times 2$ ).

## (4) Note

- The lower inside cover can be removed together with the paper output lower cover, since the inside cover is secured on the paper output lower cover with two screws.


18. Remove the lower inside cover [B] from the paper output lower cover [A] ( A 2 ).

19. Upper inside cover $[A]\left(\begin{array}{ll}(1)\end{array}\right)$.

20. Insert the bottom plate $[A]$ into the hole inside.

21. Install the bottom plate $[A]\left(\begin{array}{l}\text { a }\end{array} \times\right.$ Accessory No. 7).

22. Install the lower inside cover (removed in step 13) [A] in the finisher ( $\times 2$, Accessory No.5).

23. Install the upper inside cover (removed in step 19) $[A]\left(\begin{array}{l}\text { ( }\end{array}\right.$ 2).

24. Attach the tray support plate (removed in step 12) [A].

25. Install the paper output cover (removed in step 14 and step 15) [A] and the connector cover [B].

## $\triangle$ CAUTION

- Touching the moving parts inside of the cover can result in an injury. To avoid this, be sure to install the connector cover $[B]$.

d766z0007

26. Attach the upper inside cover [A] and finisher [B].

27. Secure the finisher ( $\boldsymbol{G}^{(1, A c c e s s o r y ~ N o .8) . ~}$

d7662056
28. Attach the cover ( $\times$ 2, Accessory No.6).

29. Fix the paper output tray ( $\times 2$, Accessory No.4).

30. Reattach all the removed covers.
31. Connector cover [A] (Release the claw).

32. Connect the interface cable.

33. Turn the power ON.
34. Ensure that the operation panel displays finisher jobs properly and that it works properly.

## Staple setting as an initial setting

## (4)Note

- To adjust the strength of crimp between sheets of paper stapled, there is a setting which makes single/ double staple changeable into each other.
- The power of crimp is weakened when there is an image (toner) on the point where is to be stapled. There also is a setting to mask the image on the point for staple, in order to avoid the strength of crimp to be weakened.
- Depending on users demands, explain the settings/ methods of the settings by checking the following instruction.
<How to change the setting of Staple Method (Single/ Double) for Stapleless Stapler>

1. [User Model counter]
2. [System Setting]
3. [General Setting] and [next]
4. [Stapling Method for Stapleless Stapler]

<How to set Margin Erase for Stapleless Stapler>
5. [User Model counter]
6. [System Setting]
7. [General Setting ] and [next]
8. [Erase Margin for Stapleless Stapler]


### 2.14 ANTI-CONDENSATION HEATER

## $\triangle$ CAUTION

- Unplug the machine power cord before starting the following procedure.
- Do the following procedure not to damage any harnesses.
- Check that harnesses are not damaged or pinched after installation.


### 2.14.1 ANTI-CONDENSATION HEATER (SCANNER)

## ( Note

- This option is provided as a service part.
- If you want to install Anti-Condensation Heater (Scanner), D7390072 (heater for scanner) and D7390502 (electrical part) should be ordered.


## Accessory Check

< Heater for scanner >

| Description | Q'ty |
| :--- | :---: |
| SCREW:M3X3 | 2 |
| HEATER:230V:9W | 1 |
| BRACKET:DEHUMIDIFIER:HEATER | 1 |

< Electrical part >

| Description | Q'ty |
| :--- | :---: |
| TAPPING SCREW:3X6 | 3 |
| CLAMP:LWSM-0605A | 4 |
| PCB:DHB | 1 |
| HARNESS:SCANNER:PCU:HEATER:EXP | 1 |
| HARNESS:DC:HEATER:DHB | 1 |
| HARNESS:AC:HEATER:DHB:EU | 1 |

## Installation procedure

1. Remove the power supply box (page 4-161).
2. Remove the HVP-CB unit (page 4-162).
3. Route the combined Blue/White harness.


- The harness will connect to the relay unit. See the details in step 5.

4. Re-install the HVP-CB unit and power supply box.
5. Secure the relay board to the main machine and connect the Blue/White harness to the socket on the board (

d146f003
6. Connect the harnesses on the relay board to the sockets on the PSU.
(4) Note

- Two types of harnesses are packed with the heater. Both the Blue/White one [A] and the Gray one $[B]$ must be connected as below.


7．Route the harness around the outside of the PSU and pull the harness out of the electrical box through the hole［A］（气㐅⿳一巛工


8．Route the harness in the direction of the scanner（（ ）$\times 5$ ）．


9．Route the harness in the rear side of the scanner．

( $\downarrow$ Note

- Do not connect the harness at this time. It will be connected in a later procedure.

10. Rear right cover (page 4-11).
11. Scanner rear cover (page 4-11).
12. Exposure Glass (page 4-30).
13. Move the carriage to the center.
14. Attach the bracket $[A]$ to the left side of the scanner.

15. Install the scanner heater $[A](\mathbb{B} \times 2)$.

16. Route the harness while inserting into the claw.


17. Pull the harness out of the frame hole.

18. Connect the harness with the other harness shown in step 9.

19. Reattach all the removed covers.

### 2.14.2 ANTI-CONDENSATION HEATER (PCDU)

## ( Note

- This option is provided as a service part.
- If you want to install Anti-Condensation Heater (PCDU), D7390117 (heater for PCDU) and D7390502 (electrical part) should be ordered.


## Accessory Check

< Heater for PCDU >

| Description | Q'ty |
| :---: | :---: |
| TAPPING SCREW:WASHER:3X8 | 1 |
| HEATER:PHOTOCONDUCTOR:EU:ADHESION | 1 |
| DECAL:H-TEMP WARNING:HEATER:OPTION | 1 |

< Electrical part >

| Description | Q'ty |
| :--- | :---: |
| TAPPING SCREW:3X6 | 3 |
| CLAMP:LWSM-0605A | 4 |
| PCB:DHB | 1 |
| HARNESS:SCANNER:PCU:HEATER:EXP | 1 |
| HARNESS:DC:HEATER:DHB | 1 |


| Description | Q'ty |
| :---: | :---: |
| HARNESS:AC:HEATER:DHB:EU | 1 |

## Installation procedure

1. Remove the power supply box (page 4-161).
2. Remove the HVP-CB unit (page 4-162).
3. Route the combined Blue/White harness.

(4) Note

- The harness will connect to the relay unit. See the details in step 5.

4. Re-install the HVP-CB unit and power supply box.
5. Secure the relay board to the main machine and connect the Blue/White harness to the socket on the board ( ${ }^{-1} \times 2$ ).

d146f003
6. Connect the harnesses on the relay board to the sockets on the PSU.

## ( Note

- Two types of harnesses are packed with the heater. Both the Blue/White one $[A]$ and the Gray one $[B]$ must be connected as below.


7. Route the harness around the outside of the PSU and pull the harness out of the electrical box through the hole [A] (『) 4).

8. Route the harness in the direction of the scanner (눈 $x 5$ ).

9. Route the harness in the rear side of the scanner.

( + Note

- Do not connect the harness at this time. It will be connected in a later procedure.

10. Remove Feed Trays 1 and 2.
11. The connecter cover located inside the machine $[A](\times 1)$.

12. Temporarily tighten a screw at the top.

13. Install the heater [A] by connecting the connecter to the inside of the machine, then tighten the screw completely.

## ( $\downarrow$ Note

- Hold the heater against the inside during final tightening.


14. Re-install the connecter cover ( $\times 1$ ).
15. Reassemble the machine.

### 2.15 KEY COUNTER BRACKET TYPE M3

### 2.15.1 ACCESSORY CHECK

TBA

### 2.15.2 INSTALLATION PROCEDURE

1. Scanner right cover.
2. Make a screw hole in the removed scanner right cover with a screwdriver or drill.

3. Attach the tray bracket $[A]$ to the scanner right cover ( $[B] \times 2$ : $M 3 \times 10$ ).

- For this model, use the screw holes marked "1" on the table bracket.


4. Attach the lower tray $[A]$ to the tray bracket ( $\times 2$ : $M 3 \times 8$ ).
5. Attach the upper tray $[B]$ to the tray bracket ( $\theta^{\prime} \times 1$ : M3x8).
6. Use the clamps as necessary to clamp the cable of the card read/writer device.


## * Important

- The smart card reader must be placed on this card reader table. If not, some antenna or transmitter in the main machine may be interrupted.


### 2.16 OPTIONAL COUNTER INTERFACE UNIT TYPE A

### 2.16.1 ACCESSORY CHECK

| No. | Description | Q'ty |
| :--- | :--- | :---: |
| - | TAPPING SCREW:3X6 | 4 |
| - | WIRE BINDER | 1 |
| - | $12.7 \mathrm{MM}: V-0$ | 4 |
| - | CLAMP:LWS-0711Z | 1 |
| - | HARNESS:IOB:MKB | 1 |

### 2.16.2 INSTALLATION PROCEDURE

## $\triangle$ CAUTION

- When you install this option, switch the MFP's power supply OFF, and unplug the power plug from the mains outlet.
- If installed when the power is on, it will result in an electric shock or malfunction.

Optional Counter Interface Unit Type A

## Key Counter

1. Rear right cover (page 4-11)
2. After attaching the clamp provided, attach the counter interface board [A] (气 $\times 4$ )

3. Connect the harness of the MFP to the upper connector (white/13 pin) [A].
$\qquad$

- Do not use the harness provided for the interface cable.



### 2.17 SMART CARD READER BUILT-IN UNIT TYPE M2

(D739-36)

### 2.17.1 ACCESSORY CHECK

| Description | Q'ty |
| :--- | :---: |
| Smart card reader cover | 1 |
| Lower cover | 1 |
| Double-faced adhesive tape | 2 |
| Clamp | 3 |
| Smart card reader/writer | 1 |
| USB cable | 1 |

### 2.17.2 INSTALLATION PROCEDURE

1. Open the right cover.
2. Main power switch cover $[A]\left(\Theta^{2} \times 1\right)$

d1462021
3. Replace the upper cover $[A]$ of the main power switch cover $[B]$ with the lower cover for the smart card reader built-in unit ( $\times 2,2$ hooks).

4. Pass the USB cable [A] for the smart card reader through the hole in the lower cover $[B]$, and then attach the main power switch cover to the main machine ( X ).

5. Attach the smart card reader stand to the lower cover [A] (2 hooks).

d739z0503
6. Attach two strips of double-faced adhesive tape [A] on the smart card stand [B].

7. Scanner rear cover $[A]\left(\begin{array}{l}(1)\end{array}\right)$

8. Scanner right cover $[A]\left(\begin{array}{l} \\ \times 1\end{array}\right)$

9. Place the smart card reader/writer [A] on the smart card reader stand.
10. Connect the USB cable [B] to the smart card reader/writer.

- Make a loop with the USB cable when connecting.


11. Attach the smart card reader cover on the smart card reader/writer.

12. Attach the clamps [A] on the right side of the scanner unit, and then route the USB cable (氞x3).

13. Route the USB cable along the rear side of the scanner unit (궐 $\times 1$ ).

- Adjust the USB cable by making loops if the USB cable has too much slack.


14. Remove the cutout [A] in the left rear cover to make a cable hole, and then pass the USB cable [B] through it.

15. Connect the USB cable to the USB slot (the left side).

16. Reattach the scanner right cover $[A](\times 1)$.
17. Reattach the scanner rear cover $[A](\mathbb{E} \times 3)$.
18. Close the right cover.

### 2.18 IMAGEABLE AREA EXTENSION UNIT TYPE M3

### 2.18.1 ACCESSORY CHECK

| No. | Description | Q'ty |
| :--- | :---: | :---: |
| - | TRANSFER ROLLER:SECOND:OPTION:ASS'Y | 1 |

### 2.18.2 INSTALLATION PROCEDURE

## CAUTION

- Do not touch the roller surface during replacement.

1. Change the value of SP2-400-001.

| SP | Description | Default | Setting |
| :---: | :--- | :---: | :---: |
| SP2-400-001 | Paper Transfer Roller Settings Width of <br> Paper Transfer Roller | 0 | 1 |

## ( Note

- When SP2-400-001 is changed over, a message is displayed stating "Switch the power OFF/ON".

2. After you changed the value of this SP, turn the power off.
3. Replace the roller.

[A]: Standard roller
[B]: Imageable Area Extension Unit Type M3

## Note

- During PM replacement, do not install the wrong type of roller.

4. Turn the power on.
5. Using SRA3 paper, check that a full-bleed halftone image is output, and that the image extends to 315 mm in width.

## When you forgot to change the SP

The following problems occur.
When a change-over was made from a standard roller to the imaging range extension option
(If the SP setting is the normal setting (SRA3 paper not supported), but the optional longer paper transfer roller is installed)

- The image cannot be correctly transferred to the SRA3 paper area.
- MUSIC/program control pattern adheres to the ends of the paper transfer roller (outside the A3 area), and this can transfer to the underside of printouts.
- Real-time process control cannot be performed correctly, and an abnormal image and SC285-00 (MUSIC error) may occur.

When a change-over was made from the imaging range extension option to a standard roller
(If the SP setting is for SRA3, but the paper transfer roller is the normal one (SRA3 paper not supported))

- Real-time process control is not performed, and the interval between process controls becomes short.
- The waiting time for fusing temperature rise is longer than intended.


### 2.19 INTERNAL OPTIONS

### 2.19.1 LIST OF SLOTS



| Slot |  | Option |
| :---: | :---: | :---: |
| [A] | I/F slot $\mathrm{A}^{* 1}$ | Fax Option Type M3 |
| [B] | I/F slot B | IEEE 1284 Interface Board Type A |
|  |  | File Format Converter Type E |
|  |  | IEEE 802.11a/g/n Interface Unit Type M2*3 |
|  |  | RC-GATE/LB |
|  |  | Color Controller Connection Board Type M3 |
| [C] | USB port ${ }^{*}{ }^{2}$ | Bluetooth Interface Unit Type D*4 |
|  |  | Smart Card Reader Built-in Unit Type M2 |

*1 Dedicated slot for fax unit
*2 "Smart card Reader Built-in Unit Type M2" is only available on the left USB port; "Bluetooth Interface Unit Type D" is available on both the left and right USB ports.
*3 "IEEE 802.11a/g/n Interface Unit Type M2" cannot be used together with "Bluetooth Interface Unit Type D".
*4 "Bluetooth Interface Unit Type D" cannot be used together with "IEEE 802.11a/g/n Interface Unit Type M2".

### 2.20 IEEE 802.11A/G/N INTERFACE UNIT TYPE M2

### 2.20.1 ACCESSORY CHECK

| No. | Description | Q'ty |
| :---: | :--- | :---: |
| 1 | IEEE802.11a/g/n Unit | 1 |
| 2 | Velcro Fasteners | 2 |
| 3 | Clamps | 8 |


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* Important
- Since disassembly/alteration of a wireless LAN board is illegal, during service replacements, replace the whole PCB assembly.
- Be sure to give the leaflet provided to the customer.


### 2.20.2 INSTALLATION PROCEDURE

## © WARNING

- When you install this option, Switch the MFP's power supply OFF, and unplug the power plug from the mains outlet.


## $\triangle$ CAUTION

- Do not put your hand into the controller box. It will result in a malfunction or injury.
- Before doing any work, touch a metal object to discharge static electricity from the body. There is a possibility that the extension wireless LAN board may malfunction due to static electricity.


## * Important

-     * When using wireless LAN (IEEE802.11 b/g/n:2.4-GHz band), this radio product uses the $2.4-\mathrm{GHz}$ band. Check that industrial, scientific and medical devices using the same frequency bands, such as a microwave oven and cordless telephone, are not used nearby
- If there is interference, communication may become unstable. Check that there are no devices likely to cause interference in the surrounding area.


## Attaching the boards

1. I/F slot $B[B](B)$ covers.

2. Attach the extended wireless LAN board to a slot ( $\times 2$ )

## ( $\downarrow$ Note

- Press the extended wireless LAN board firmly in, and check it is firmly connected.
- The customer should keep the I/F card slot covers which were removed.


## Attaching the antenna

1. Stick the fastener provided on the antenna case.
( $)$ Note

- Stick the fastener provided on the lower half (cable side) of the case.
- It can be stuck to either side of the antenna case.

2. Attach the $\mathbf{2}$ antennas to the rear cover of the MFP.

## (4) Note

- The two antennas must be attached at least 12 cm apart from each other.

3. Stick 8 cable stickers on the rear face of the MFP.
4. Fix the cable.

## Note

- Take care to loop it around so that it does not interfere with other options or I/F cables.

5. Switch the power supply ON.
6. Check that the system settings list is output, and the option is recognized correctly.

### 2.20.3 SETTINGS

## Check the connection of the wireless LAN interface

1. Check the IPv4 address and subnet mask, or IPv6 address setting of the MFP.
2. Press the [Default setting/counter] key.
3. Press the [System default setting] button.
4. Choose [Wireless LAN] in [Interface setting].
5. Set each item, and press the [Setting] button.

In the case of ad-hoc mode


Selection of security mode

Set code (WEP/WPA) valid/invalid.


In the case of infrastructure mode

w_d1463110

## (4) Note

- For details, refer to instructions for use. (Check instructions for use, "Network connection/System default setting" "Wireless LAN interface connection")
- If the extended wireless LAN board does not work correctly, refer to the leaflet provided in the options box.


### 2.21 IEEE 1284 INTERFACE BOARD TYPE A

### 2.21.1 ACCESSORY CHECK

| No. | Description | Q'ty |
| :---: | :---: | :---: |
| - | PCB:IEEE1284:ASS'Y | 1 |

### 2.21.2 INSTALLATION PROCEDURE

## © WARNING

- When you install this option, Switch the MFP's power supply OFF, and unplug the power plug from the mains outlet.


## $\triangle$ CAUTION

- Do not put your hand into the controller box. It will result in a malfunction or injury.
- Before doing any work, touch a metal object to discharge static electricity from the body. There is a possibility that the IEEE 1284 Interface Board may malfunction due to static electricity.

1. I/F slot $B[B](B \times 2)$ covers.
[B]

2. Attach the IEEE 1284 Interface Board to the I/F slot ( $\times 2$ )
3. Check that the system settings list is output, and that the board is recognized correctly.

## ( $\downarrow$ Note

- The customer should keep the I/F card slot covers which were removed.


### 2.22 FILE FORMAT CONVERTER TYPE E

### 2.22.1 ACCESSORY CHECK

| No. | Description | Q'ty |
| :---: | :--- | :---: |
| 1 | PCB:MLB32:ASS'Y | 1 |



### 2.22.2 INSTALLATION PROCEDURE

## $\triangle$ WARNING

- When you install this option, switch the MFP's power supply OFF, and unplug the power plug from the mains outlet.


## CAUTION

- Do not put your hand into the controller box. It will result in a malfunction or injury.
- Before doing any work, touch a metal object to discharge static electricity from the body. There is a possibility that the board may malfunction due to static electricity.

1. I/F slot $A[B]\left(\xi^{2} \times 2\right)$ covers

2. Set the File Format Converter in an I/F slot ( $\times 2$ )
3. Check the system settings list is output, and that the option is recognized correctly. (1) Note

- The customer should keep the I/F card slot covers which were removed.


### 2.23 COPY DATA SECURITY UNIT TYPE G

### 2.23.1 ACCESSORY CHECK

| No. | Description | Q'ty |
| :---: | :--- | :---: |
| 1 | PCB:ICIB-3 | 1 |
| 2 | BRACKET:ICIB:ALEX | 1 |
| 3 | SCREW:M3X4 | 2 |
| 4 | SCREW:M3X6 | 4 |
| - | TAPPING SCREW:3X8 | 2 |
| - | SPACER:SQ-7 | 1 |
| - | BRACKET:ICIB:GRIFFIN-C1 | 1 |



### 2.23.2 INSTALLATION PROCEDURE

## . WARNING

- When you install this option, switch the MFP's power supply OFF, and unplug the power plug from the mains outlet.
- If it is installed when the power is on, it will result in an electric shock or malfunction.

1. Rear cover (page 4-10)
2. Attach the copy data security module [A] to the IPU ( $\times 2, \square \times 1$ (CN581)).
( 4 Note $\qquad$ )

- The Copy data security unit [A] must be connected directly to the CN581 in the IPU.


3. Attach the rear cover.

### 2.23.3 SETTINGS (TO BE DONE BY THE USER)

## Equipment administrator settings

In order to validate administrator authentication, select [YES] in administrator authentication management settings. When the setting is validated, the initial-setting item currently assigned to each administrator will be the administration item.

1. Press the [Default setting/counter] key.
2. Press the [System default setting] button.
3. Press the [Administrator settings] button.
4. Press the [Next] button.
5. Press the [Administrator authentication management] button.

### 2.24 BLUETOOTH INTERFACE UNIT TYPE D

2.24.1 ACCESSORY CHECK

| No. | Description | Q'ty |
| :---: | :--- | :---: |
| 1 | MODULE:BLUETOOTH:USB | 1 |
|  | CD-ROM:BLUETOOTH:OI:EXP:ASS'Y | 1 |



2-5-6_002.jpg

### 2.24.2 INSTALLATION PROCEDURE

## $\triangle$ WARNING

- When you install this option, switch the MFP's power supply OFF, and unplug the power plug from the mains outlet.


## $\triangle$ CAUTION

- Do not put your hand into the controller box. It will result in a malfunction or injury.
- Before doing any work, touch a metal object to discharge static electricity from the body. There is a possibility that the wireless interface board may malfunction due to static electricity.

1. Attach the BT wireless interface to the USB-A slot [A].


## (1)Note

- There is no difference between the left and right USB ports.

2. Check the system settings list is output, and that the option is recognized correctly.

### 2.25 SD CARD OPTION

2.25.1 SD CARD SLOTS

[A]: SD card slot 1 (option slot)
[B]: SD card slot 2 (service slot)

### 2.25.2 LIST OF SLOTS USED

Optional SD cards can be set in either slot 1 or slot 2 . But slot 2 is the service slot, so we recommend that you use slot 1 to install the SD card options.

| Name | Data Capacity (MB) | Source | Destination | Remarks |
| :---: | :---: | :---: | :---: | :---: |
| Postscript3 Unit Type M3 | 128 | $\checkmark$ | $\checkmark$ | Optional SD cards can be set and used in either slot 1 or slot 2. <br> "Memory Unit Type M3 2GB" must be installed before installing "Browser Unit Type M9" |
| IPDS Unit Type M3 | 128 | $\checkmark$ | $\checkmark$ |  |
| Camera Direct Print Card Type M3 | 128 | $\checkmark$ | $\checkmark$ |  |
| SD card for Netware printing Type M3 | 128 | $\checkmark$ | $\checkmark$ |  |
| Fax Connection Unit Type M3 | 128 | $\checkmark$ | $\checkmark$ |  |
| Browser Unit Type M9 | 128 | $\checkmark$ | $\checkmark$ |  |
| OCR Unit Type M2 | 128 | $\checkmark$ | $\checkmark$ |  |

## ( Note

- In this machine, it is possible to transfer data from a "Postscript3 Unit" SD card, unlike in earlier models, due to a change in the software licensing (the part of the Postscript software that requires licensing is now built into the controller, so the portion on the SD card can be moved to another SD card).


### 2.26 SD CARD APPLI MOVE

### 2.26.1 OVERVIEW

Since there are only two SD card slots (one of them is a service slot), three or more SD card applications cannot be used simultaneously.

However, if multiple SD card applications are merged, three or more SD card options can be used.

This function is referred to as the "SD card merge function."
The "SD card merge function" is a function which enables the use of three or more functions within the capacity of two SD cards by physically transferring the function of one SD card to other SD cards (all SD card options can be stored in two SD cards).

However, SD card applications are under license, therefore, since an SD card license after merge is transferred to the target SD card, it cannot be used even if it is moved to the target machine.

Also, a process to prevent illegal copying is performed.

## ( N Note

- After merge, store the empty SD card in the location shown below.

1. Unlock the lever [A], and then open the right cover [B].

2. Main power switch cover [A].

d1462021
3. Insert the SD card in the storage location [A] inside the cover.


### 2.26.2 MOVE EXEC

1. Turn the power off.


2. Set the destination SD card (SD card where data is to be stored) in Slot 1 [A], and set the original SD card (SD card from which data is to be transferred) in Slot 2 [B].

3. Turn the power on, and press [ENTER] in SP5-873-001 (SD Card Appli Move: Move Exec).
4. When a confirmation screen is displayed, press [ENTER] (it takes about 2-3 minutes).

## ( 4 Note

- If [CANCEL] is pressed, the display returns to the previous screen.
- Note that if the power supply is turned off, a panel operation is performed, or the cover is opened during merge, it will result in a malfunction.

6. When merge is complete, and the following screen is displayed, press [CLOSE].
$\qquad$
(4) Note )

- If the process is terminated abnormally, perform the merge in SP mode again.
- If the capacity of the destination SD card is insufficient, the merge operation cannot be performed.

1. Press [END] twice.
2. Turn the power off.
3. Remove the empty SD card after transfer from Slot 2.
4. Attach the slot cover $(\underset{8}{8} \times 1)$.
5. Turn the power on, output the system setting list, and check that the options are recognized correctly.

### 2.26.3 UNDO EXEC

This is a recovery function if an application is incorrectly transferred to a different device of the same model.

1. Turn the power off.
2. SD card slot cover $[A]\left(e^{-} \times 1\right)$.

3. Set the integrated SD card in Slot 1.
4. Set the SD card which became empty after integration in Slot 2.
5. Turn the power on, and press [ENTER] in SP5-873-002 (SD Card Appli Move: Undo Exec).
6. When a confirmation screen is displayed, press [ENTER].
(4) Note

- If [CANCEL] is pressed, the display returns to the previous screen.
- Note that if the power supply is turned off, a panel operation is performed, or the cover is opened during cancellation, it will result in a malfunction.

7. When cancellation is complete, press [CLOSE].
8. Press [END] twice.
9. Turn the power off.
10. Attach the SD card slot cover ( $\times 1$ ).
11. Turn the power on, and check that the application has been deleted.

### 2.27 DATA OVERWRITE SECURITY UNIT TYPE H (D377)

### 2.27.1 OVERVIEW

This option should be installed only for the customer who requires the CC certified Data

## Overwrite Security function.

The function of this option is completely the same as the Data Overwrite Security in Security Functions, which is standard on this machine. (page 2-19)

### 2.27.2 COMPONENT LIST

Check the quantity and condition of the accessories in the box against the following list.

| No. | Description | Q'ty |
| :---: | :---: | :---: |
| 1. | SD Card | 1 |


d1351921

### 2.27.3 BEFORE YOU BEGIN THE PROCEDURE

1. Confirm that the Data Overwrite Security unit SD card is the correct type for the machine. The correct type for this machine is "Type H"
2. Make sure that the following settings are not at their factory default values:

- Supervisor login password
- Administrator login name
- Administrator login password

If any of these settings is at a factory default value, tell the customer these settings must be changed before you do the installation procedure.
3. Make sure that "Admin. Authentication" is ON.
[System Settings] - [Administrator Tools] - [Administrator Authentication Management] -
[Admin. Authentication]
If this setting is OFF, tell the customer this setting must be ON before you do the installation
procedure.
4. Make sure that "Administrator Tools" is enabled (selected).
[System Settings] - [Administrator Tools] - [Administrator Authentication Management] -
[Available Settings]
If this setting is disabled (not selected), tell the customer this setting must be enabled (selected) before you do the installation procedure.

## Seal Check and Removal



## $\triangle$ CAUTION

- You must check the box seals to make sure that they were not removed after the items were sealed in the box at the factory before you do the installation.

1. Check the box seals [1] on each corner of the box.

- Make sure that a tape is attached to each corner.
- The surfaces of the tapes must be blank. If you see "VOID" on the tapes, do not install the components in the box.

2. If the surfaces of the tapes do not show "VOID", remove them from the corners of the box.
3. You can see the "VOID" marks [2] when you remove each seal. In this condition, they cannot be attached to the box again.

### 2.27.4 INSTALLATION PROCEDURE

1. Insert the SD card (DataOverwriteSecurity Unit) in SD slot 1 (upper) [A] with its label face towards the front of the machine. Then push it slowly into SD slot 1 (upper) until you hear a click.

d176f2109
2. Install the application using SP5-878-001.

### 2.28 CAMERA DIRECT PRINT CARD TYPE M3

### 2.28.1 ACCESSORY CHECK

| No. | Description | Q'ty |
| :---: | :---: | :---: |
| 1 | SD-CARD:P-BRIDGE:METIS-C1:EXP:ASS'Y | 1 |


d595i900b

### 2.28.2 INSTALLATION PROCEDURE

1. SD card slot covers $[B]\left(\begin{array}{l}(1)\end{array}\right.$

2. Put the camera direct print card in SD card slot 1 [A].


## (4) Note

- When installing more than one SD card, perform the merge operation.

3. Switch the power ON.
4. Attach the SD card slot cover. ( $\times 1$ )
5. Stick the "PictBridge" sticker on the front face of the MFP.
6. After switching the power ON, check that the system settings list is output, and that the option is recognized correctly.

### 2.29 BROWSER UNIT TYPE M9

### 2.29.1 ACCESSORY CHECK

| No. | Description | Q'ty |
| :---: | :---: | :---: |
| 1 | SD Card | 1 |


d595i900b

### 2.29.2 INSTALLATION PROCEDURE

The browser unit uses a native application such as a full browser in order to improve web browsing.
Also, to provide a solution utilizing the web as in previous machines, Extended JavaScript is also provided as an SDK application.

Due to the above, the browser unit for this model has two firmware modules, native application firmware, and Type-C application EXJS firmware.
The browser for these models is not installed in the SD card HDD, but in order to start up using the data on the SD card, it must be operated with the SD card inserted.


## ( 4 Note

- In addition to link-up with the conventional Scan Router and MFP, the browser unit has the following functions.
- "Memory Unit Type M3 2GB" must be installed before installing "Browser Unit Type M9". If "Memory Unit Type M3 2GB" is not installed, the machine will not work well due to insufficient memory.
- For scanning, arbitrary distribution types and preset values are selected and delivered.
- Mail is delivered (login transmission) to an address previously set in the profile of the user who logged in.

1. Switch the power OFF.
2. SD card slot cover $[A]\left(\begin{array}{l}-1\end{array}\right)$

3. Insert the browser unit card in SD card slot 1 [A].


## ( + Note

- When installing more than one SD card, perform the merge operation.

4. Switch the power ON.
5. Press the [Default setting/Counter] key.
6. Press the [Extension function default setting] button.
7. Press the [Extension function default setting] button on the [Extension function default menu setting] screen.
8. On the [Startup setting] tab, check that "Extended JS" was installed automatically and has started.
9. Switch the power OFF/ON.
10. Press the [Default setting/Counter] key.
11. Press the [Home editing] button.
12. Press the [Add icon] button.
13. Press the [Browser] button displayed on the "Application" tab.
14. Select the position at which [Blank] is displayed, and press the [OK] button.
15. Check that the [Browser] icon has been added to the Home screen.

### 2.29.3 SETTINGS

## Browser default setting

Register the browser default settings. For details, refer to the following.

1. Switch ON the power.
2. Press the [Default settings/counter] key.
3. Press the [Browser default settings] button.
4. Press the [Home screen] button on the "Browser Settings" tab.
5. Press the [URL input] button.
6. Input the URL, and press the [OK] button.
7. Press the [Settings] button.
8. Press the [End] button twice, and finish.

### 2.30 SD CARD FOR NETWARE PRINTING TYPE M3

### 2.30.1 ACCESSORY CHECK

| No. | Description | Q'ty |
| :---: | :---: | :---: |
| 1 | SD-CARD:NETWARE:MET-C1:EXP:ASS'Y | 1 |


d595i900b

### 2.30.2 INSTALLATION PROCEDURE

1. SD card slot covers $[B]\left(\begin{array}{l}(1)\end{array}\right.$

2. Put the SD card for NetWare printing in SD card slot 1 [A].


## (4) Note

- When installing more than one SD card, perform the merge operation.

3. Switch the power ON.
4. Attach the SD card slot cover. ( $\times 1$ )
5. After switching the power ON, check that the system settings list is output, and that the option is recognized correctly.

### 2.31 OCR UNIT TYPE M2

This option adds a searchable PDF function to the scanning function.

### 2.31.1 ACCESSORY CHECK

| No. | Description | Q'ty |
| :---: | :---: | :---: |
| 1 | SD-CARD:OCR:MET-C1:EXP:ASS'Y | 1 |


d595i900b

### 2.31.2 SEARCHABLE PDF FUNCTION OUTLINE

- The searchable PDF function performs OCR by the MFP on a document read with the scanner, and embeds text data in the PDF. This permits PDF text browsing, automatic assignment of filenames, and automatic alignment of document orientation.
- This option is provided with an SD card. By installing an SD card in the MFP, a functional icon is added to the control unit. It is not necessary to install software in a PC.
- If this option is installed, various settings related to the searchable PDF function are available.
- After reading of the document is completed (after it is read by the ADF and output), OCR is performed. Therefore, after reading is completed, documents can be collected from the document glass or ADF.
- Other functions, such as the copy function and printer function, can be used during OCR.


### 2.31.3 INSTALLATION PROCEDURE

## $\triangle$ CAUTION

- Switch the MFP's power supply OFF, and unplug the power plug from the mains outlet.
- If the battery is replaced by the wrong type, there is a danger of explosion. Dispose of used batteries according to the instructions.

1. Remove the SD card slot covers $[A]$ and $[B](\mathbb{E} \times 1)$

2. Insert the OCR module SD card in SD card slot $1[A]$ or slot $2[B]$.

3. Switch the power supply ON.
4. Press "Enter" in SP5-878-004 (Option Setup: OCR Dictionary).

The SD card ID is saved in the NVRAM, and the ID of the MFP is saved on the SD card. The MFP and SD card are thereby linked.
5. When "operation complete" is displayed, press "Close".

## Wote

- If installation fails, "Failed" is displayed.
- If installation fails, perform the following steps.

1. Check whether it is a used SD card.
2. Switch the power OFF, and repeat steps 1-5.
3. Switch the power OFF/ON.
4. Press "Enter" in SP5-878-004 (Option Setup: OCR Dictionary).

Dictionary data is copied to the HDD.

## ( $)$ Note

- On the first run, SP5-878-004 links the SD card, and on the second run, copies dictionary data.

8. Switch the power OFF, and remove the SD card from the SD card slot.

## ( Note

- Keep the SD card in the SD card storage location of the MFP. The original SD card is needed in the event of a HDD malfunction.

9. Return the SD card slot cover to the original position.
10. Switch the power ON.
11. Press [File Format / File Name] on the scanner function screen.
12. Check that [OCR setting] is displayed on the "File format / "File Name" screen.

## ( Note

- After installation, the OCR setting can be changed on the "OCR setting" screen.
- When setting OCR, set [OCR setting] to [Yes]. (Default setting: [No])


### 2.32 POSTSCRIPT3 UNIT TYPE M3

### 2.32.1 ACCESSORY CHECK

| No. | Description | Q'ty |
| :---: | :---: | :---: |
| 1 | SD-CARD:PS3:MET-C1:EXP:ASS'Y | 1 |


d595i900b

### 2.32.2 INSTALLATION PROCEDURE

1. SD card slot covers $[B](\mathbb{E} \times 1)$.

2. Insert the PS3 SD card in SD card slot 1 [A].


## (4) Note

- When installing more than one SD card, perform the merge operation.

3. Switch the power ON.
4. Attach the SD card slot cover. $\left(\theta^{2} \times 1\right)$
5. Stick the "Adobe PostScript3" decal on the front face of the MFP.
6. After switching the power ON, check that the system settings list is output, and that the option is recognized correctly.

## ( Note

 )- The PDF firmware installed as standard contains a program required to print PS3 data as default. However, this PS3 program is normally disabled.
- The PS3 firmware is a dongle (key) which enables PS3 data printing functions. When the PS3 firmware is installed, the PS3 program in the PDF firmware is enabled. Due to this specification, the self-diagnosis result report shows the ROM part number/software version of the PDF firmware contained in the PS3 program.


### 2.33 SECURITY FUNCTION INSTALLATION

The machine contains the Security functions (Data Overwrite Security and HDD Encryption unit) built into the controller board.

If you are installing a new machine, it is recommended to activate the Data Overwrite Security and HDD Encryption unit by selecting "Format All Data" from "System Settings" on the operation panel.
( Note

- This method is recommended because there is no user data on the hard drive yet (Address Book data, image data, etc.).
If the customer wishes to activate the Data Overwrite Security and HDD Encryption unit on a machine that is already running, it is recommended to activate the unit by selecting "All Data" from "System Settings" on the operation panel.


## + Important

- Selecting "All Data" will preserve the data that has already been saved to the hard drive. (If "Format All Data" is selected, all user data saved to the hard drive up to that point will be erased).
Immediately after encryption is enabled, the encryption setting process will take several minutes to complete before you can begin using the machine.


## (4) Note

- If encryption is enabled after data has been stored on the disk, or of the encryption key is changed, this process can take up to three and a half hours or more.

The machine cannot be operated while data is being encrypted.
Once the encryption process begins, it cannot be stopped.
Make sure that the machine's main power is not turned off while the encryption process is in progress.

If the machine's main power is turned off while the encryption process is in progress, the hard disk will be damaged and all data on it will be unusable.
Print the encryption key and keep the encryption key (which is printed as a paper sheet).
Keep the encryption key in a safe place. If the encryption key is lost and is needed, the controller board, hard disk and NVRAM must all be replaced at the same time.

- "NVRAM" mentioned in here means the NVRAM on the Controller Board.
- "NVRAM" or EEPROM on the BCU has nothing to do with this.

Please use the following procedure when the Data Overwrite Security and HDD Encryption is reinstalled.

### 2.33.1 DATA OVERWRITE SECURITY

## Before You Begin the Procedure

1. Make sure that the following settings (1) to (3) are not at their factory default values.
(1) Supervisor login password
(2) Administrator login name
(3) Administrator login password

If any of these settings is at a factory default value, tell the customer these settings must be changed before you do the installation procedure.
2. Make sure that "Admin. Authentication" is on.
[System Settings] -> [Administrator Tools] -> [Administrator Authentication Management] -> [Admin. Authentication]
If this setting is off, tell the customer this setting must be on before you do the installation procedure.
3. Make sure that "Administrator Tools" is enabled (selected).
[System Settings] -> [Administrator Tools] -> [Administrator Authentication Management] -> [Available Settings]

If this setting is disabled (not selected), tell the customer this setting must be enabled (selected) before you do the installation procedure.

## Installation Procedure

1. Connect the network cable if it needs to be connected.
2. Go into the User Tools mode, and select [System Settings] $\rightarrow$ [Administrator Tools] $\rightarrow$ [Auto Erase Memory Setting] $\rightarrow$ [On].
3. Exit the User Tools mode.


|  | Icon [1] | This icon is lit when there is temporary data to be <br> overwritten, and blinks during overwriting. |
| ---: | :--- | :--- |
|  | Icon [2] | This icon is lit when there is no temporary data to be <br> overwritten. |

4. Check the display and make sure that the overwrite erase icon appears.
5. Check the overwrite erase icon.

The icon [1] is lit when there is temporary data to be overwritten, and blinks during overwriting.
The icon [2] is lit when there is no temporary data to be overwritten.

### 2.33.2 HDD ENCRYPTION

## Before You Begin the Procedure

1. Make sure that the following settings (1) to (3) are not at the factory default settings.
(1) Supervisor login password
(2) Administrator login name
(3) Administrator login password

These settings must be set up by the customer before the HDD Encryption unit can be installed.
2. Confirm that "Admin. Authentication" is on: [User tools/Counter] key -> [System Settings] -> [Administrator Tools] -> [Administrator Authentication Management] -> [Admin. Authentication] -> [On]
If this setting is off, tell the customer that this setting must be on before you can do the installation procedure.
3. Confirm that "Administrator Tools" is selected and enabled.
[User tools/Counter] key -> [System Settings] -> [Administrator Tools] -> [Administrator Authentication Management] -> [Available Settings]
"Available Settings" is not displayed until step 2 is done.
If this setting is not selected, tell the customer that this setting must be selected before you can do the installation procedure.

## Enable Encryption Setting

1. Press the [User tools/Counter] key.
2. Press [System Settings].
3. Press [Administrator Tools].
4. Press [Machine Data Encryption Settings].If this item is not visible, press [Next] to display more settings.
5. Press [Encrypt].

6. Select the data to be carried over to the hard disk and not be reset.

To carry all of the data over to the hard disk, select [All Data].
To carry over only the machine settings data, select [File System Data Only].
To reset all of the data, select [Format All Data].

7. The following message will be displayed. Press the [Start] key to print the encryption key for safe keeping.

8. Press [Exit] to remove the following message.

9. Press [Exit] again.
10. Press the [User Tools/Counter] key.
11. Turn the main power switch off and on.
12. "Memory Conversion complete. Turn the main power switch off" is displayed as below. Then turn the main power switch off and on.

13. Then initial operation display appears again. After this step, HDD data encryption has already been completed.


## Check the Encryption Settings

1. Press the [User tools/Counter] key
2. Press [System Settings].
3. Press [Administrator Tools].

4. Press [Machine Data Encryption Settings].

5. Please confirm whether the encryption has been completed or not on this display.

## Print the encryption key

Use the following procedure to print the key again if it has been lost or misplaced.

1. Press the [User tools/Counter] key.
2. Press [System Settings].
3. Press [Administrator Tools].
4. Press [Machine Data Encryption Settings].
5. Press [Print Encryption Key].
6. Select [Save to SD card] or [Print on paper]

Encryption key sample

```
Machine Data Encryption Key
```

```
Thie is an encrypson key which allows you to protect confldential deta stored
``` in the machise.
it is essertal that the salekeeping and destruction of this encrypton key be urder your direct moponsedity.
Owts saved and programmed on the machine (documents, image data, setting values. adtrest beok contante ste) can be encrptsdidecrpled with thie snorypbian key.
If tilim machine breaks down, saved and programmed data in the machine can only
be restored by entering this encrypbion key.
(Pinase note that a may not be possble le resiore data in cartain mactine
broskdown cases.)
This machine data encryption key will remain vald as long as the enoryption is not cancalled or the encrypton key is not changed.
Ater changing or canceling the encryption key, plesse shed this document to destray conficiental data.

Output Date/Time-September 03,2010 08:55-25 AM
Machine Type:Aficio MP C400SR
Machine ID:S7500717004
Machine Data Encryption Key:
6pFIFFGH\#EBIYkPafBJz6YE \(\$ W Y X k\)
d1420100
The encryption key is printed out as a sheet of paper like the example shown above. Please instruct the customer to keep it in a safe place.

\subsection*{2.34 MEMORY UNIT TYPE M3 2GB}

\subsection*{2.34.1 ACCESSORY CHECK}
\begin{tabular}{|c|c|c|}
\hline No. & Description & Q'ty \\
\hline 1 & PCB:DDR3-DIMM:RC-A:2GB:ASS'Y & 1 \\
\hline
\end{tabular}

\subsection*{2.34.2 INSTALLATION PROCEDURE}
1. Remove the rear cover (page 4-10).
2. DIMM \([A]\) (Unlock).

3. Install the Memory Unit Type M3 [A].

4. Turn the power ON .
5. Output the system setting list to make sure that the memory unit is recognized properly.

\section*{PREVENTIVE MAINTENANCE}
\begin{tabular}{|l|l|l|}
\hline \multicolumn{3}{|c|}{ REVISION HISTORY } \\
\hline Page & Date & Added/Updated/New \\
\hline & & None \\
\hline
\end{tabular}

\section*{3. PREVENTIVE MAINTENANCE}

\subsection*{3.1 PM PARTS SETTINGS}

\subsection*{3.1.1 REPLACEMENT PROCEDURE OF THE PM PARTS}
1. Enter the SP mode.
2. Output the SMC logging data with SP5-990-004.
3. Set the following SPs to "1" before you turn the power off.
4. Replace the PM parts and turn the power on, then, the machine will reset the PM counters automatically. In the case of developer, the developer initialization will also be done automatically.
5. Exit the SP mode.
\begin{tabular}{|l|l|}
\hline \multicolumn{1}{|c|}{ Item } & \multicolumn{1}{c|}{ SP } \\
\hline PCDU & \begin{tabular}{l} 
Black: 3701-002, 003 \\
Yellow: 3701-071, 072 \\
Cyan: 3701-025, 026 \\
Magenta: 3701-048, 049
\end{tabular} \\
\hline Development unit & \begin{tabular}{l} 
Black: 3701-003 \\
Yellow: 3701-071, 072 \\
Cyan: 3701-025, 026 \\
Magenta: 3701-048, 049
\end{tabular} \\
\hline PCU & \begin{tabular}{l} 
Black: 3701-002 \\
Yellow: 3701-071, 072 \\
Cyan: 3701-025, 026 \\
Magenta: 3701-048, 049
\end{tabular} \\
\hline \begin{tabular}{l} 
Pressure Roller \\
(not necessary for complete fusing unit \\
and \\
Heating sleeve belt unit; see below)
\end{tabular} & Pressure roller: 3701-118 \\
\hline Image Transfer Belt Unit & \(3701-093\) \\
\hline Image Transfer Belt Cleaning Unit & \(3701-102\) \\
\hline PTR Unit & \(3701-109\) \\
\hline
\end{tabular}
\begin{tabular}{|l|l|}
\hline Item & \multicolumn{1}{c|}{ SP } \\
\hline Exhaust Filter & \(3701-132\) \\
\hline
\end{tabular}

\section*{T Important}
- After the PM counter for the heating sleeve belt unit reaches its PM life (240K pages), the machine stops the operation automatically. Replace the heating sleeve belt unit before the machine stops its operation (stop warning: 244K pages, stop: 248K pages).

For the following units, there is a new unit detection mechanism. It is not necessary to reset PM counters.
- Fusing unit
- Heating sleeve unit
- Toner Collection Bottle (if full or near-full)

\section*{( \(\downarrow\) Note}
- Even if you replace the new Toner Collection Bottle, PM counter will not reset soon (The machine judges whether PM counter should be reset or not after printing for some time).
- Even if you set SP3-701-142 or SP7-622-142, PM counter of Toner Collection Bottle will not reset.

\subsection*{3.1.2 AFTER INSTALLING THE NEW PM PARTS}
1. Turn on the main power switch.
2. Output the SMC logging data with SP5-990-004 and check the counter values.
3. Make sure that the PM counters for the replaced units are " 0 " with SP7-944. If the PM counter for a unit was not reset, then reset that counter with SP 7-622.
4. Make sure that the exchange counter counts up with SP7-853.
5. Make sure that the counters for the previous units (SP7-908) on the new SMC logging data list (from step 2 above) are equal to the counters (SP7-803) for these units on the previous SMC logging data list (the list that was output in the "Before removing the old parts" section).
6. Make sure that the unit replacement date is updated with SP7-950.

\subsection*{3.1.3 PREPARATION BEFORE OPERATION CHECK}
1. Clean the exposure glasses (for DF and book scanning).
2. Enter the user tools mode.
3. Do the "Automatic Color Calibration(ACC)" for the copier mode \& printer mode as follows:
- Print the ACC test pattern (User Tools Maintenance ACC Start).
- Put the printout on the exposure glass.
- Put 10 sheets of white paper on the test chart. This ensures the precise ACC adjustment.
- Close the ARDF or the platen cover.
- Press "Start Scanning" on the LCD. Then, the machine starts the ACC.
4. Exit the User Tools mode, and then enter the SP mode.
5. Perform line adjustment.

SP2-111-004: Forced Line Position Adj. Mode d
The result can be checked with SP2-194-007 (MUSIC Execution Result Execution Result) (0:Succeed, 1: Fail).
Also, results for each color can be checked with SP2-194-010 to 013.
6. Exit the SP mode.

\subsection*{3.1.4 OPERATION CHECK}

Check if the sample image has been copied normally.

\title{
REPLACEMENT AND ADJUSTMENT
}
\begin{tabular}{|l|l|l|}
\hline \multicolumn{3}{|c|}{ REVISION HISTORY } \\
\hline Page & Date & \multicolumn{1}{l|}{ Added/Updated/New } \\
\hline & & None \\
\hline
\end{tabular}

\section*{4. REPLACEMENT AND ADJUSTMENT}

\subsection*{4.1 NOTES ON THE MAIN POWER SWITCH}

\subsection*{4.1.1 PUSH SWITCH}

The main power button of this machine has been changed to a push-button switch (push button) from the conventional rocker switch. The push switch has characteristics and specifications different from the rocker switch. Care must be taken when replacing and adjusting parts.

\section*{Characteristics of the Push Switch (DC Switch)}

Power is supplied to the machine even when the main power switch is turned OFF.
The push switch in this machine uses DC (direct current). Therefore, if the AC power cord is connected to an electrical outlet, power is supplied to the controller board, the operation unit and other modules even when the main power is turned OFF. When replacing the controller board and the operation unit in this state, not only these boards, it will damage other electrical components.
So, when performing maintenance work such as replacing parts, in addition to turning off the main power with the push switch, always unplug the AC power cord.

\section*{When you disconnect the power cord from the AC wall outlet, inside the machine there is} still residual charge.

When you disconnect the power cord from the AC wall outlet, inside the machine for a while there is still residual charge. Therefore, if you remove boards in this state, it can cause a blown fuse or memory failure.
- How to remove the residual charge inside the machine

After you unplug the power cord from the AC wall outlet, in order to remove the residual charge from inside the machine, be sure to press the main power switch. Thus, the charge remaining in the machine is released, and it is possible to remove boards.
When you reconnect the AC power cord into an AC wall outlet, the machine will start automatically.

In order to remove the residual charge, push the main power switch while you disconnect the AC power cord. At that time, the power ON flag inside the machine is set. Therefore, after you finish work on the machine and reconnect the power cord to the AC, even if you do not press the main power switch, the machine will start automatically and the moving parts will begin to move. When working on moving parts, be careful that fingers or clothes do not get caught.
- Automatic restart deals with cases when you accidentally unplugged the AC power cord or unexpected power outages. By keeping the power flag ON, after the resumption of power, the machine will start up automatically.

In rare cases, when you reconnect the AC power cord to a power outlet, the machine does not start automatically. In this case, the machine has not failed. The cause is due to the timing of releasing the residual charge. If you press the main power switch while the residual charge was already released, the power ON flag will not be set. At this time, start the machine manually by pressing the main power switch.

\section*{Shutdown Method}
1. Press the main power switch \([A]\) on the machine.
2. The shutdown message is displayed. Wait for 3 minutes for the machine to shut down.
\(\qquad\)
\(\downarrow\) Note
- After the shutdown process, the main power is turned off automatically.


\section*{\(\triangle\) CAUTION}
- Before removing and adjusting electrical boards, do the following procedure. Otherwise, the board can be damaged by the residual charge inside the machine and must be replaced.
1. Take out the power cord after shutdown.
2. Press the power switch for a second to remove the residual charge inside the machine.

\section*{Forced Shutdown}

In case normal shutdown does not complete for some reason, the machine has a forced shutdown function.
To make a forced shutdown, press and hold the main power switch for 6 seconds.
In general, do not use the forced shutdown.
* Important
- Forced shutdown may damage the hard disk and memory, and can cause damage to the machine. Use a forced shutdown only if it is unavoidable.

\subsection*{4.2 BEFOREHAND}

\section*{© WARNING}
- Turn off the main switch and disconnect the power cord.
- After replacing, make sure that all harnesses that were removed are connected up again and secured in their clamps.

\subsection*{4.3 SPECIAL TOOLS}

The following special tools should be prepared for maintenance of the new model in the field:
\begin{tabular}{|c|c|c|c|}
\hline Item & Part Number & Description & Q'ty \\
\hline 1 & A1849501 & \begin{tabular}{c} 
Scanner Positioning Pin (2 \\
pcs/set)
\end{tabular} & 1 \\
\hline 2 & B6455020 & SD Card (1GB) & 1 \\
\hline 3 & 52039502 & Silicon Grease G-501 & 1 \\
\hline 4 & C4019503 & Grease Barrierta - S552R & 1 \\
\hline 6 & VSSG9002 & FLUOTRIBO MG GREASE: & 1 \\
\hline 7 & A0929503 & C4 Color Test Chart (3 pcs/set) & 1 \\
\hline
\end{tabular}

\subsection*{4.4 EXTERIOR COVERS}

\section*{The Aim of Anti-tip Components and Precautions}

The anti-tip components are necessary for meeting the requirements of IEC60950-1, the international standard for safety.
The aim of these components is to prevent the products, which are heavy, from toppling as a result of people running into or leaning onto the products, which can lead to serious accidents such as persons becoming trapped under the product. (U.S.: UL60950-1, Europe: EN60950-1) Therefore, removal of such components must always be with the consent of the customer.
Do not remove them at your own judgment.

\subsection*{4.4.1 FRONT COVER}
1. Open the front cover [A].

2. Belt [A]

3. Front cover [A]


\subsection*{4.4.2 CONTROLLER COVER}
1. Controller cover \([A]\binom{-1}{\times 4}\)


\subsection*{4.4.3 UPPER LEFT COVER}

\section*{\(\triangle\) CAUTION}
- Each part enclosed by a blue circle has a tab. Be careful not to damage it when attaching and detaching.

1. Open the front cover. (page 4-5)
2. Paper exit tray (page 4-16)
3. Upper left cover \([A]\left(\begin{array}{l}-1\end{array}\right)\)

Slide the cover in the direction of the blue arrow.


\subsection*{4.4.4 LEFT REAR COVER}
1. Upper left cover (page 4-7)
2. Left Rear Cover \([\mathrm{A}](\mathrm{B} \times 2)\)


\subsection*{4.4.5 LEFT COVER}

\section*{\(\triangle\) CAUTION}
- Each part enclosed by a blue circle has a tab. Be careful not to damage it when attaching and detaching.

1. Controller cover (page 4-6)
2. Upper left cover (page 4-7)
3. Left rear cover (page 4-8)
4. Open the 2nd paper feed tray slightly.

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5. Left cover \([\mathrm{A}](\mathrm{B} \times 5)\)

Remove it while pressing down.

<Order to remove>

1. Paper exit tray
2. Controller cover
3. Ozone filter/Dust-shield filter box
4. Front cover
5. Upper left cover
6. Left rear cover
7. 2nd paper feed tray
8. Left cover

\subsection*{4.4.6 REAR COVER}

\section*{\(\triangle\) CAUTION}
- There is a claw (left-facing) on the back face of the rear cover. When fitting or removing the cover, take care not to damage it.

1. Controller cover (page 4-6)
2. Rear cover \([A]\left(\begin{array}{l}\text { G }\end{array} \times 4\right)\)


\subsection*{4.4.7 REAR RIGHT COVER}
1. Rear cover (page 4-10)
2. Rear Right Cover [A] \(\left(\begin{array}{l}(1)\end{array}\right)\)


\subsection*{4.4.8 REAR LOWER COVER}
1. Rear cover (page 4-10)
2. Rear lower cover \([A]\left({ }^{-1} \times 5\right)\)


\subsection*{4.4.9 SCANNER REAR COVER}
1. Scanner rear cover \([A]\left(\theta^{2} \times 3\right)\)


\subsection*{4.4.10 SCANNER REAR COVER (SMALL)}
1. Rear cover (page 4-10)
2. Scanner rear cover (Small) [A] ( \(\times 2\) )


\subsection*{4.4.11 RIGHT REAR COVER}
1. Open the right cover. (page 4-142)
2. Right rear cover \([A]\) ( \(\times 4\), Among them, tapping screw \(\times 1\) )


\section*{(4) Note}
- When installing, insert the projections \([A]\) in the holes \([B]\), taking care not to trap the harness inside.


\subsection*{4.4.12 RIGHT UPPER COVER}
1. Main power switch cover (page 4-14)
2. Right upper cover \([A](\mathbb{E} \times 2)\)


\subsection*{4.4.13 MAIN POWER SWITCH COVER}
1. Open the right cover. (page 4-142)
2. Main power switch cover \([A](8 \times 1)\)


\subsection*{4.4.14 WASTE TONER COVER}
1. Front cover (page 4-5)
2. Waste Toner Cover [A]


\subsection*{4.4.15 REVERSE TRAY}
1. Reverse Tray [A]


\subsection*{4.4.16 PAPER EXIT TRAY}
1. Paper Exit Tray [A]


\subsection*{4.4.17 PAPER EXIT COVER}
1. Main power switch cover (page 4-14)
2. Reverse Tray (page 4-15)
3. Paper exit cover \([A]\left(\xi^{2} \times 1\right)\)


\subsection*{4.4.18 PAPER EXIT LOWER COVER}
1. Left rear cover (page 4-8)
2. Paper exit cover (page 4-16)
3. Connector cover [A].

4. Paper exit lower cover \([A]\left({ }^{\circ} \times 2\right)\)


\subsection*{4.4.19 PAPER EXIT FRONT COVER}
1. Paper exit lower cover (page 4-17)
2. Paper exit front cover \([A]\left(\begin{array}{l}(1)\end{array}\right.\)


\subsection*{4.4.20 INNER UPPER COVER}
1. Open the front cover, and remove the belt. (page 4-5)
2. Open the right cover. (page 4-142)
3. Paper exit front cover (page 4-18)
4. Image transfer unit (page 4-65)
5. Inner upper cover \([A]\left(\begin{array}{l} \\ (G)\end{array}\right.\)


\subsection*{4.4.21 INNER LOWER COVER}
1. Front cover (page 4-5)
2. Inner upper cover (page 4-18)
3. PCDU front cover \((\mathrm{Y})\) (page 4-55)
4. Inner cover: front: right-lower
5. Inner lower cover [A] (


\subsection*{4.5 OPERATION PANEL UNIT}

\subsection*{4.5.1 OPERATION PANEL}
1. Scanner front cover (page 4-29)
2. Operation panel upper cover [A]

3. Operation panel \([A]\binom{(1)}{\times 2}\)

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\subsection*{4.5.2 BOARD A}
1. Operation panel (page 4-20)
2. Operation panel lower cover \([A]\left(\theta^{-} \times 6\right)\)

3. Harness guide \([A](-2)\)

4. Bracket covers [A] [B]

5. Operation panel arm bracket \([A]\left(\theta^{-} \times 6\right)\)

6. Board \(\left.A[A]()^{-1} \times 8, \times 3\right)\)


\subsection*{4.5.3 BOARD B}
1. Operation panel arm bracket (page 4-20)
2. Board \(\left.B[A]()^{-} \times 4, \sum^{-1} \times 1, U S B \times 2\right)\)


\subsection*{4.5.4 BOARD C}
1. Operation panel arm bracket (page 4-20)
2. Board C [A] ( \(\times 4\), \(\square^{-1} \times 1\), USB \(\times 2\) )


\subsection*{4.5.5 LCD PANEL}
1. Operation panel arm bracket (page 4-20)
2. Bracket \([A]\left(\Theta^{\circ} \times 6, \square^{-} \times 5, U S B \times 2\right)\)

3. LCD panel unit [A]


\subsection*{4.5.6 LCD}

\section*{Notes when replacing the LCD}

Since LCD panels from 3 vendors are used, the replacement parts differ depending on the vendor. When replacing, check the vendor used, and ensure that you use the correct part.

\section*{( Note}
- The LCD panels are supplied by company S, company C and company A. Company S and A's panels are interchangeable because they use parts with the same specification.

\section*{Distinguishing method}

Of the 3 labels on the rear of the operation panel, the center label shows the LCD model number.
Operation panel rear surface

[A]: Label attachment position

[A]: S Co. LCD: Printed as Sxxxxx...
[B]: C Co. LCD: Printed as Cxxxxx...
[C]: A Co. LCD: Printed as Axxxxx...
Differences between operation panels from 3 vendors
- Operation panel upper cover

There is no difference in appearance, but there is a difference in internal layout.
- LCD bracket

There is a difference in the shape of the bracket and the stamp inside the blue circle. S Co. / A Co.: SH stamp

C Co.: CM stamp

- Use of FFC (Flexible Flat Cable)

For S Co. and A Co., FFC is used, but for C Co., instead of an FFC, a cable integrated with the LCD (orange) is used.


\section*{Replacement procedure}
1. Operation panel arm bracket (page 4-20)
2. Bracket \([A]\left({ }_{B} \times 6, \square \times 5\right.\), USB \(\left.\times 2\right)\)

3. LCD panel unit [A]


\subsection*{4.6 SCANNER UNIT}

\section*{( Note}
- When you replace the scanner wire, use the standard positioning pins.

\subsection*{4.6.1 SCANNER EXTERIOR}

\section*{Scanner Upper Cover}
1. Platen cover or ADF
2. Scanner rear cover (page 4-11)
3. Scanner Upper Cover [A] ( \(\times 2\) )

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\section*{Scanner Right Cover}
1. Scanner rear cover (page 4-11)
2. Scanner right cover \([A]\left(\begin{array}{l}(1)\end{array}\right.\)


\section*{Scanner Front Cover}
1. Scanner front cover \([A]\left(\begin{array}{l}(1)\end{array}\right)\)


\section*{Scanner Left Cover}
1. Left rear cover (page 4-8)
2. Scanner front cover (page 4-29)
3. Scanner left cover \([A](\times 3)\)


\subsection*{4.6.2 EXPOSURE GLASS}
1. Open the platen cover or ADF, and remove the scale \([A]\). ( \(\times 3\) )

2. ADF exposure glass [A]

3. Rear scale \([A](\mathbb{E} \times 3)\)

4. Left scale and exposure glass [A]
\(\triangle\) CAUTION
- The exposure glass and the left scale are attached with double-sided tape.


\section*{( Note}
- When installing, please follow the points below:
- Set so that the blue mark [A] of the ADF exposure glass is on the left at the front of the operation panel.
- Set so that the locating hole of the left scale fits over the locating boss of the front/rear frame.


\subsection*{4.6.3 EXPOSURE LAMP (LED)}
1. Exposure glass (page 4-30)
2. Move the exposure lamp (1st scanner carriage) [A] to position [B].

3. Exposure lamp \([A]\binom{(1)}{\)\hline}


\subsection*{4.6.4 SCANNER MOTOR}
1. Scanner upper cover (page 4-28)
2. SIO unit \([A]\binom{(1)}{\times 2}\)

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3. Bracket \([A]\left(\begin{array}{l}(9), \text { 氙 } \times 3)\end{array}\right.\)

4. Spring [A]

5. Scanner motor unit \(\left.[A]()^{(1)} \times 2, \sum_{1}\right)\)

6. Scanner motor \([\mathrm{A}](\underset{\text { en }}{ } \times 2)\)


\subsection*{4.6.5 LENS BLOCK}
1. Exposure Glass (page 4-30)
2. Lens block cover \([A]\left(\begin{array}{l}(1)\end{array}\right.\)

3. Lens block \(\left.[A]()^{(1)} \times 5\right)\)


\subsection*{4.6.6 ORIGINAL SIZE SENSOR}
1. Exposure glass (page 4-30)
2. Original size sensor \([A](\square \times 1)\)
(4) Note )
- When a screw driver is inserted, the tab can be removed smoothly.


\subsection*{4.6.7 SIO}
1. Scanner rear cover (page 4-11)
2. Scanner upper cover (page 4-28)
3. Bracket \([A]\left(\begin{array}{l}( \end{array}\right)\)

4. \(\operatorname{SIO}[A]\left(\Theta^{\times} \times 4, \square^{-1} \times 7\right)\)

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\subsection*{4.6.8 SCANNER HP SENSOR}
1. Scanner upper cover (page 4-28)
2. Exposure glass (page 4-30)
3. Slide the exposure lamp (1st scanner carriage) [ A ] in the direction of the arrow a little.

4. Peel off the sensor stopper \([A]\).

5. Scanner HP Sensor \([A]\left(C^{\|} \times 1\right)\)


\subsection*{4.6.9 DF POSITION SENSOR}
1. Scanner upper cover (page 4-28)
2. DF Position sensor [A] ( \(\times 1,{ }^{[1} \times 1\) )


\subsection*{4.6.10 ADJUSTING THE SCANNER WIRE}

\section*{Scanner Wire (Front)}
1. Exposure glass (page 4-30)
2. Scanner right cover (page 4-28)
3. Operation panel (page 4-20)
4. Main power switch cover (page 4-14)
5. Lower bracket \([A]\) of the operation panel ( \(\times 6\), \(\times 3\) ).

6. Scanner front frame \([A](\underset{8}{ } \times 6)\)

7. Move the 1st scanner carriage to the set position of the scanner fixing pin.

8. Wire clamp \([\mathrm{A}](\underset{\text { 时 }}{ } \times 1)\)

9. Wire fixing bracket \([A]\), spring \([B](\mathbb{G} \times 1)\)

10. Wire pulley \([\mathrm{A}]\left(\begin{array}{c}(8) \times 1, \sqrt{3} \times 1)\end{array}\right.\)


\section*{(1) Note}
- Do not touch the mirror and the lamp.
- When you move the carriage, hold the central part and move it gently.

Scanner wire assembly (front side)

1. Pull the scanner wire ball end \([B]\) to the pulley \([A]\) from the left side of the pulley as shown in the diagram.
2. Set the ball [C] in the center part of the wire on the pulley.
3. Turn the ball end \([\mathrm{D}] 5\) times counterclockwise along the edge on the rear side of the pulley.
4. Turn the ring end [E] 3.5times clockwise along the edge at the front side of pulley.
5. Check that the blue marks [F] of the wire overlap, and secure it temporarily with Teflon tape, etc.

6. Set the pulley on the drive shaft [G] (tighten the screw temporarily).
7. Set the ball end of the wire in the following order.
1. Left frame pulley (outside) \([\mathrm{H}]\)
2. 2nd scanner carriage (outside) [I]
3. Left frame slit [J]
8. Set the ring end of the wire in the following order.
1. Right frame pulley (outside) \([\mathrm{K}]\)
1. 2nd scanner carriage (inside) [L]
2. Scanner retaining bracket [M]
(Tighten the screw of the scanner retaining bracket temporarily)
9. Remove the tape which temporarily held the wire in Step 5.
10. Attach the spring.

\section*{Scanner position adjustment}

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1. Set the scanner positioning pins (4).
- 2nd scanner carriage and frame hole [A]
- 1st scanner carriage and frame hole [B]
- Same position as [A] on the rear side
- Same position as \([B]\) on the rear side
2. Tighten the screw \([C]\) of the pulley which was temporarily tightened.
3. Tighten the screw [D] of the scanner retaining bracket which was temporarily tightened.
4. Attach the wire clamp [E].
5. Pull out the scanner positioning pins.
6. Holding the center part of the 1st scanner carriage, move it to the left and right to ensure it moves smoothly.
If it does not move smoothly, loosen the scanner wire, and perform the scanner position adjustment procedure again.

\section*{(4) Note}
- After replacing the wire, make a test copy, and check skew, magnification, and whether there is a registration gap. If there is a gap, adjust the scanner wire position again, or perform Scan Registration Adjustment (SP4010-SP4011).

\section*{Scanner Wire (Rear)}
1. Scanner right cover (page 4-28)
2. Scanner left cover (page 4-29)
3. Exposure glass (page 4-30)
4. Scanner motor (page 4-33)
5. Bracket \([A]\left(\begin{array}{l}(1) \\ \times 1)\end{array}\right.\)

6. Rear frame \([A]\left(\begin{array}{l} \\ \end{array} \times 6\right)\)

7. Move to the set position of the fixing pin for the first carriage.

8. Wire clamp \([\mathrm{A}](\underset{-1}{ } \times 1)\)

9. Wire fixing bracket \([A]\), spring \([B]\left(\begin{array}{l}\text { ( }\end{array}\right)\)

10. Scanner drive gear \([A](\mathbb{E} \times 1)\)

11. Remove the screw and the clip ring of the wire pulley (front) [A] and wire pulley (rear) \([C]\), draw out the scanner drive shaft \([B]\) in the direction of the arrow, and remove the wire pulley (rear) \(\left.[\mathrm{C}]\binom{(3)}{\times 1} \times 2,\right)\).


\section*{Scanner Wire Assembly (rear side)}

1. Pull the scanner wire ball end \([B]\) to the pulley \([A]\) from the right side of the pulley as shown in the diagram.
2. Set the ball [C] in the center part of the wire on the pulley.
3. Turn the ball end [D] 4.5 times clockwise along the edge on the rear side of the pulley.
4. Turn the ring end \([E] 3.5\) times counterclockwise along the edge at the front side of the pulley.
5. Check that the blue marks [F] of the wire overlap, and secure it temporarily with Teflon tape, etc.
6. Set the pulley on the drive shaft, and attach the scanner drive gear.
7. Attach the scanner wire on the rear side as in Step 7, attaching the scanner wire (front side).

\subsection*{4.6.11 MODIFYING THE SCANNER (CONTACT/CONTACTLESS) WHEN USING ARDF}

\section*{Procedure for the ADF}
1. ADF front cover [A]. ( \(\times 1\) )
( \()\) Note
- Remove with the document table [B] lifted up.

2. Document reader guide plate \([\mathrm{A}]\).(3) \(\times 1\) )

3. Replace the contactless guide plate (front) \([A]\) with the contact guide plate (front) \([B]\). ( \(\times 1\) )
There is a hole in the contact guide plate (front).

4. Replace the contactless guide plate (rear) [A] with the contact guide plate (rear) [B]. There is a hole in the contact guide plate (rear).

5. Attach the document reader guide plate. Be careful not to scratch the sheet [A].

6. Attach the ADF front cover, and return the ADF to its original position.
7. From the SP mode, change the DF density setting (SP4-688-001) from [102\%] to [97\%].

\section*{Procedure for the scanner}
1. Remove the exposure glass, and peel off the sheet [A]

2. Wipe the exposure glass with alcohol, etc., so that no glue remains from the double-sided tape.

\section*{+ Note}
\(\qquad\) )
- Remember that if any glue remains, it will cause a paper jam in the ADF.

\subsection*{4.7 LASER UNIT}

\section*{© WARNING}
- Turn off the main switch and unplug the machine before beginning any of the procedures in this section. Laser beams can cause serious eye injury.
- Caution Decals

- Decal Location


\subsection*{4.7.1 LASER UNIT}

\section*{\(\triangle\) CAUTION}
- A polygon motor protection bracket and a red label are attached to each new laser unit. Remove these before you install the new unit.

\section*{Before Replacement}
1. Polygon motor cover \([A]\left(\begin{array}{l}(1)\end{array}\right.\)

d1468004
2. Polygon motor bracket \([A]\), Red tag \([B]\left({ }^{\circ} \times 3\right)\)

3. Reattach the polygon motor cover.

\section*{Removing}
1. Left cover (page 4-8)
2. Laser unit \([A]\left({ }^{-1} \times 2, ~ C \times 4,4 \times 3\right)\)


\section*{Installing a New Laser Unit}
1. Insert the new laser unit in the main body carefully.
2. Connect all harnesses except the skew correction motor harness [A] (2nd from right).

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3. Reassemble the machine.

\section*{Adjustment after replacing the laser unit}
1. Close the front cover and attach the left cover.
. WARNING
- Attach the left cover before turning on the main switch. Laser beams can seriously damage your eyes.
2. Plug in and turn on the main power switch.
3. Download the data of the new laser unit to the main body with SP2-110-005.
\(\qquad\)
(4) Note
- If it fails (see step 4 below), perform SP2-110-005 again.
- If it is not executed correctly, outputs will be abnormal (magnification and color registration errors), and SC 285 may occur.
4. Check that SP2-119-001 to 003 is " \(0 . "\)

\section*{( ) Note \(\rightarrow\)}
- If it is not " 0 ", perform SP2-110-005 again.
5. Turn off the main power switch and disconnect the power cord.
6. Remove the left cover and attach the skew correction motor harness [A].

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7. Close the left cover.
8. Plug in and turn on the main power switch.
9. Set SP2-109-003 to 1, press 'Copy Window', and print. The 1-dot vertical line test pattern is printed.
After outputting the 1-dot vertical line pattern, set SP2-109-003 to "0."
Check that the space on either side is less than \(4 \pm 1 \mathrm{~mm}\). If it is not within these limits, change the reference value of the main scanning magnification adjustment (SP4-011-001).
10. Perform line adjustment.

SP2-111-004: Forced Line Position Adj. Mode d
The result can be checked with SP2-194-007 (MUSIC Execution Result Execution Result) (0: Succeed, 1: Fail).
Also, results for each color can be checked with SP2-194-010 to 013.
11. Exit the SP mode.

\subsection*{4.7.2 POLYGON MOTOR}
1. Polygon motor cover (page 4-51)
2. Polygon motor holder \([A]\), Polygon motor \([B](\mathbb{E} \times 5, C \times 1)\)


\section*{Adjustment after replacing the polygon motor}

SP2-111-004: Forced Line Position Adj. Mode d
The result can be checked with SP2-194-007 (MUSIC Execution Result Execution Result) (0: Succeed, 1: Fail).

Also, results for each color can be checked with SP2-194-010 to 013.

\subsection*{4.8 PCDU}

\subsection*{4.8.1 PCDU}

\section*{Before replacing the PCDU}

Each PCDU has two components: a drum unit and a development unit. Before replacing a PCDU, set SP3-701 to "1" for the PCU that you will replace, and again for the development unit that you will replace. Then switch the power OFF. Then replace the PCDU and switch the power ON.

\section*{Replacement}
1. Open the front cover \([\mathrm{A}]\).

2. Remove the ITB front cover [A] (

\section*{(4) Note}
\(\qquad\)
- The screw for the ITB front cover is shorter than the screws for the PCDU cover. Pay attention to use proper screw(s) when attaching these covers.

3. Remove the PCDU cover.

\begin{tabular}{|c|c|c|}
\hline\([A]\) & \(Y\) & \(\times 1\) \\
\hline\([B]\) & \(M\) & \(\times 1\) \\
\hline\([C]\) & \(C\) & \(\times 1\) \\
\hline\([D]\) & \(K\) & \(\times 1\) \\
\hline
\end{tabular}
4. Release the lock for the ITB contact/separation lever [A].

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5. Remove the PCDU.

\begin{tabular}{|c|c|c|}
\hline\([A]\) & \(Y\) & \(\times 1, \square^{3} \times 1\) \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline [B] & M &  \\
\hline [C] & C & 成 \(\times 1\), \\
\hline [D] & K &  \\
\hline
\end{tabular}

\subsection*{4.8.2 PCU/DEVELOPMENT UNIT}

\section*{Before replacing a PCU}

\section*{\(\triangle\) CAUTION}
- Before replacing a PCU, do the procedure shown below. The main points are as follows.
- Input the charge voltage correction value for the new PCU.
- The machine will optimize SP settings related to imaging using process control, after you input the charge voltage correction value and replace the PCU.
1. Set SP3-701: New PCU detection to "1" before replacing the PCU.
2. Check the charge voltage correction value printed on the label attached to the new PCU. This value is adjusted for each PCU.
(1) Note
- It is not necessary to input the correction value when installing a complete brand-new PCDU.

\begin{tabular}{|c|c|}
\hline A & Bar code \\
\hline B & PCU Lot No. \\
\hline C & Correction value \\
\hline D & Last three digits of SP number \\
\hline E & SP No. \\
\hline
\end{tabular}
1. Input the value (located at [C] on the decal as shown above) into the correct SP2-005 as shown below.

\section*{SPs for charge voltage correction before replacing PCU}
\begin{tabular}{|c|c|}
\hline & SP No. \\
\hline\(K\) & SP2-005-235 \\
\hline\(C\) & SP2-005-236 \\
\hline\(M\) & SP2-005-237 \\
\hline\(Y\) & SP2-005-238 \\
\hline
\end{tabular}
1. Turn the power OFF.
2. After replacing the PCU, turn the power ON. (Process control is done automatically.)

\section*{© Note}
- If you replaced the PCU without inputting the correction value, do the following procedure.
- Case 1: When you set SP3-701 to "1"
1. Input the PCU correction value.
2. Execute process control manually with SP3-011-001 in order to adjust the machine settings with the PCU correction value. Note that if you replaced the PCU using the proper procedure mentioned above, process control starts automatically.
- Case 2: When you did not set SP3-701 to "1"
1. Set SP3-701 to "1".
2. Input the PCU correction value.
3. Turn the power OFF. Note that process control will start automatically.

\section*{Before replacing a Development Unit}

\section*{\(\triangle\) CAUTION}
- Before replacing the Development Unit, set SP3-701: New Development Unit detection to " 1 ", and switch the power OFF. Then replace the development unit and switch the power ON. Doing the replacement in the wrong order will clear the PM counter and the remaining counter of the PCU.

\section*{Replacement}
1. PCDU (page 4-55)
2. Release the connecting part (front) \([A]\left(\mathcal{G}^{2} \times 2\right)\) and harness \([B]\).

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3. Cover \([A]\left(\begin{array}{l}\text { 佰 }\end{array}\right)\).

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\section*{\(\triangle\) CAUTION}
- Pay attention not to break the plate (the red arrow).
- Handle with care to prevent deformation of the plate. Deformation can cause unstable images due to contact failure. Be sure to attach this cover to the PCDU and install the PCDU in the main frame.

4. Connecting part (rear) \([\mathrm{A}](\mathrm{G} \times 3)\).

PCDU

5. Separate PCU [A] and development unit [B].


\section*{( Note}
- When separating the PCU and development unit, the drum may come off and this could cause a toner spillage. Hold the PCU [A] with the drum side up as shown below to prevent toner spillage.


\section*{Notes for assembling PCU/Development unit}

Pay close attention not to spill any toner on the charge roller when assembling.

\section*{(4) Note}
- Remove the heat seal [A] after replacing the PCDU.
- Remove the cap \([B]\) pasted on the toner port when replacing the PCDU.


\section*{Method for checking after replacement}

Before installing, rotate the drum in the blue arrow direction, to ensure that toner lines do not occur.


\subsection*{4.8.3 IMAGING TEMPERATURE SENSOR (THERMISTOR)}
1. Open the controller box (page 4-85)
2. Connector [A]

3. Imaging temperature sensor harness guide [A] and Imaging temperature sensor [B] \((1 \times 2)\)

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\subsection*{4.9 WASTE TONER}

\subsection*{4.9.1 REPLACEMENT}
1. Open the waste toner cover [A].

Push the blue circle area, then open the cover.

2. Pull out the waste toner bottle [A].


\subsection*{4.9.2 ADJUSTMENT AFTER REPLACING}

The counter for the Waste Toner Bottle is reset automatically.
The counter isn't reset with SP3-701-142 (Manual New Unit Set: Waste Toner Bottle) and SP7-622-142 (PM Counter reset: Waste Toner Bottle).

\subsection*{4.10 IMAGE TRANSFER UNIT}

\subsection*{4.10.1 IMAGE TRANSFER BELT UNIT}

\section*{\(\triangle\) CAUTION}
- Note that if the two levers \([A]\) are not pointing up, the image transfer belt unit cannot be inserted.
- Before you remove or attach the image transfer belt unit, remove the duplex unit and open the paper transfer unit.
- Do not touch the rollers but hold the upper/lower resin part [A] when you lift the Image Transfer Unit. Touching the rollers may cause poor image quality.

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\section*{Adjustment before replacing the image transfer belt unit}

Before replacing the Image Transfer Belt unit, set SP3-701-093 to "1" and switch the power OFF. Then replace the Image Transfer Belt unit and switch the power ON.

\section*{Replacement}
1. Open the front cover. (page 4-5)
2. Image transfer front cover \([A](\times 1)\)

3. Release the lock [A] and open the right cover [B].

4. Pull the handle \([A]\) and open the paper transfer unit \([B]\).

5. Release the ITB lock lever [A] and ITB contact lever [B].

d1462243
6. Image Transfer Belt Unit [A]

\section*{( 4 Note}
- To prevent the image transfer belt unit from falling out, there is a lock mechanism. After pulling out the image transfer belt unit fully, lift the handle \([B]\) to release the lock, and remove image transfer belt unit.


Locking mechanism by handle


\subsection*{4.10.2 IMAGE TRANSFER CLEANING UNIT}

\section*{\(\triangle\) CAUTION}
- When removing the image transfer cleaning unit, to prevent scattering of toner, remove it so that the image transfer cleaning unit is underneath the image transfer belt unit.


\section*{Adjustment before replacing the image transfer cleaning unit}

Before replacing the Image Transfer Belt Cleaning, set SP3-701-093 to "1" and switch the power OFF.

Then replace the Image Transfer Belt Cleaning and switch the power ON.

\section*{Replacement}
1. Image transfer unit (page 4-65)
2. Image transfer lock unit \([A]\left({ }^{-} \times 3\right.\), Among them, stepping screw \(\times 1\) )

3. Remove the screw above the image transfer cleaning unit \([A]\left(\begin{array}{l} \\ \hline\end{array}\right)\).

4. Turn the whole image transfer belt unit over, and remove the screw below the image transfer cleaning unit (

5. While releasing the hook, lift the image transfer belt unit gently, and remove the image transfer cleaning unit.

6. Put toner on the image transfer belt.

[A]: 20mm or more
[B]: About 5mm
7. Attach the image transfer cleaning unit.
8. Rotate the image transfer belt about 10 mm [A] in the reverse direction, then turn it forward one complete turn [B].


\subsection*{4.10.3 IMAGE TRANSFER BELT}

\section*{Replacement}

\section*{\(\triangle\) CAUTION}
- Do not touch the rollers but hold the upper/lower resin part [A] when you lift the Image Transfer Unit. Touching the rollers may cause poor image quality.

1. Image transfer unit (page 4-65)
2. Bracket \([A]\left(\begin{array}{l}-1\end{array}\right)\)

3. Brackets \([A][B](-4)\)

4. Image transfer cleaning unit (page 4-68)
5. Remove the tension fixing frames \([A]\) and \([B]\) (front side: black, rear side: gray).

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6. Position the image transfer unit with the front side underneath.

7. Rotate the gear \([A]\) to change to the OPEN position.

8. Release the tension and remove the belt.


\section*{Adjustment after replacing the Image transfer belt}

After replacing the image transfer belt, to prevent twisting of the belt, pass the belt round once in the direction of the arrow.


\subsection*{4.10.4 PAPER TRANSFER ROLLER}
1. Open the paper transfer roller unit. (page 4-65)
2. Paper transfer roller [A]


\subsection*{4.10.5 PAPER TRANSFER ROLLER UNIT}

\section*{Adjustment before replacing the paper transfer roller unit}

Before replacing the Image Paper Transfer Roller Unit, set SP3-701-109 to "1" and switch the power OFF. Then replace the Image Paper Transfer Roller Unit and switch the power ON.

\section*{Replacement}
1. Open the right cover. (page 4-65)
2. After removing the clip ring and connector on the rear side, open the paper transfer roller unit, remove the clip ring at the front side, and remove the paper transfer roller unit \([A](\sqrt{3}) \times 2,4=1)\).

\section*{\(\triangle\) CAUTION}
- Note that the sizes of the clip ring differ on the left and right.
- When attaching a paper transfer roller unit, first attach the stops [B] to the paper transfer roller unit.


Replacement
and Adjustment



\subsection*{4.10.6 FUSING ENTRANCE SENSOR}
1. Open the right cover. (page 4-65)
2. Fusing entrance sensor unit \([A]\left(\theta^{2} \times 1, C^{-1} \times 1\right)\)

3. Fusing entrance sensor [A]


\subsection*{4.10.7 TM (ID) SENSOR}

\section*{Before Replacing the TM(ID) sensor}

Each sensor assembly has a list of characteristic values attached to it. Before you replacing the TM / ID sensor, you must do the following procedure, or process control/MUSIC will not be done correctly after power is switched on (it will use the values for the old sensor).

\section*{( \()\) Note}
\(\qquad\) )
- The characteristic values attached to the service part must be entered before replacement. It is recommended that in case Process control/MUSIC after replacement is not completed successfully, take a note of values of SP3-333,SP3-334,SP3-335.
1. Note the characteristic values that are listed on the bar code label.

(4) Note
- TM/P Sensor (front): F, TM/P Sensor (center): C, TM/P Sensor (rear): R, be careful.
2. Turn on the main power switch, and then go into the SP mode.
3. Input the characteristic values.

Input data for TM/P Sensor: F into SP3-333. Input data for TM/P sensor: C into SP3-334. Input data for TM/P sensor: R into SP3-335.
\begin{tabular}{|c|c|c|c|}
\hline SP No. & Classification 1 & Classification 2 & Value \\
\hline 3-333-001 & ID.Sens TestVal:F & K2: Check & TM/P sensor: F, value of [1] \\
\hline 3-333-002 & ID.Sens TestVal:F & Diffuse Corr & TM/P sensor: F, value of [2] \\
\hline 3-333-003 & ID.Sens TestVal:F & \begin{tabular}{l}
Vct_reg \\
Check:Slope
\end{tabular} & TM/P sensor: F, value of [3] \\
\hline 3-333-004 & ID.Sens TestVal:F & \begin{tabular}{l}
Vct_reg \\
Check:Xint
\end{tabular} & TM/P sensor: F, value of [4] \\
\hline 3-333-005 & ID.Sens TestVal:F & Vct_dif Check:Slope & TM/P sensor: F, value of [5] \\
\hline 3-333-006 & ID.Sens TestVal:F & Vct_dif Check:Xint & TM/P sensor: F, value of [6] \\
\hline 3-334-001 & ID.Sens TestVal:C & K2: Check & TM/P sensor: C, value of [1] \\
\hline 3-334-002 & ID.Sens TestVal:C & Diffuse Corr & TM/P sensor: C, value of [2] \\
\hline 3-334-003 & ID.Sens TestVal:C & \begin{tabular}{l}
Vct_reg \\
Check:Slope
\end{tabular} & TM/P sensor: C, value of [3] \\
\hline 3-334-004 & ID.Sens TestVal:C & \begin{tabular}{l}
Vct_reg \\
Check:Xint
\end{tabular} & TM/P sensor: C, value of [4] \\
\hline 3-334-005 & ID.Sens TestVal:C & Vct_dif Check:Slope & TM/P sensor: C, value of [5] \\
\hline 3-334-006 & ID.Sens TestVal:C & \begin{tabular}{l}
Vct_dif \\
Check:Xint
\end{tabular} & TM/P sensor: C, value of [6] \\
\hline 3-335-001 & ID.Sens TestVal:R & K2: Check & TM/P sensor: R , value of [1] \\
\hline 3-335-002 & ID.Sens TestVal:R & Diffuse Corr & TM/P sensor: R, value of [2] \\
\hline 3-335-003 & ID.Sens TestVal:R & \begin{tabular}{l}
Vct_reg \\
Check:Slope
\end{tabular} & TM/P sensor: R, value of [3] \\
\hline 3-335-004 & ID.Sens TestVal:R & \begin{tabular}{l}
Vct_reg \\
Check:Xint
\end{tabular} & TM/P sensor: R, value of [4] \\
\hline 3-335-005 & ID.Sens TestVal:R & Vct_dif Check:Slope & TM/P sensor: R, value of [5] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|l|c|}
\hline SP No. & Classification 1 & Classification 2 & Value \\
\hline 3-335-006 & ID.Sens TestVal:R & \begin{tabular}{l} 
Vct_dif \\
Check:Xint
\end{tabular} & TM/P sensor: R, value of [6] \\
\hline
\end{tabular}

\section*{Replacement procedure}
1. Image transfer belt unit (page 4-65)
2. Paper transfer roller unit (page 4-74)
3. Fusing unit (page 4-106)
4. Fusing dowser position sensor unit (page 4-120)
5. TM(ID) sensor unit [A] ( \(\times 2, \mathrm{C} \times 3,4 \times 5\) )
\(\triangle\) CAUTION
- When installing the TM / ID sensor unit.
1. Attach the screw of the front side \([B]\)
- 2. Attach the screw of the back side [C]
- When installed in reverse order, an SC may occur because the sensor position has shifted.

6. \(\mathrm{TM}(\mathrm{ID})\) sensor \([\mathrm{A}]\binom{-7}{\times 6}\)


\section*{Adjustment after replacing the TM(ID) sensor}
1. Turn on the main power switch, and then go into the SP mode.
2. Run SP3-011-004 (Manual Procon: Exe Full MUSIC).
- If the SP3-011-004 can't finish successfully, make sure you are entering the correct value to the SP.

\subsection*{4.10.8 TEMPERATURE AND HUMIDITY SENSOR}
1. 1st and 2nd paper tray (page 4-128)
2. Right lower cover (

3. Temperature and humidity sensor bracket ( \(\mathrm{E}^{\mathrm{X}} \times 1\) )

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4. Temperature and humidity sensor ( \(\left.{ }^{-1} \times 1,{ }^{(1)} \times 1\right)\)


\subsection*{4.10.9 ITB CONTACT AND RELEASE SENSOR}
1. PCDUs (page 4-55)
2. ITB contact and release sensor bracket \([A](\times 2)\)

3. ITB contact and release sensor [A]


\subsection*{4.11 DRIVE UNIT}

\subsection*{4.11.1 OVERVIEW}

\begin{tabular}{|c|l|c|l|}
\hline No. & \multicolumn{1}{|c|}{ Description } & No. & \multicolumn{1}{|c|}{ Description } \\
\hline 1 & Paper Feed Motor & 6 & Paper Transfer Contact Motor \\
\hline 2 & Transport Motor & 7 & PCU Motor: CMY \\
\hline 3 & Registration Motor & 8 & Development Motor: CMY \\
\hline 4 & \begin{tabular}{l} 
Paper Exit / Pressure Release \\
Motor
\end{tabular} & 9 & Development Solenoid \\
\hline 5 & Fusing Motor & 10 & PCU: Black / Image Transfer Motor \\
\hline
\end{tabular}

\subsection*{4.11.2 PAPER FEED MOTOR}
1. Power supply box (page 4-161)
2. Paper Feed Motor \([A](\times 2, \square \times 1)\)


\subsection*{4.11.3 TRANSPORT MOTOR}
1. Power supply box (page 4-161)
2. Transport motor \([A]\binom{(1)}{\)\hline}


\subsection*{4.11.4 TRANSFER MOTOR UNIT}
1. Rear right cover (page 4-11)
2. Scanner rear lower cover (page 4-12)
3. Bracket \([A][B]\left(\begin{array}{l}(1)\end{array}\right.\)

4. Bracket \([A](-3)\)

5. Controller box \([A](\mathbb{G} \times 8, \mathrm{C} \times 16\), 気 \(\times 17, \mathrm{USB} \times 1)\)

6. Paper transfer contact motor unit \([A]\left(\theta^{2} \times 2\right)\)


\subsection*{4.11.5 IMAGING DRIVE UNIT}
1. Paper transfer contact motor unit (page 4-85)
2. Power supply box (page 4-161)
3. Bracket \([A]\left(\xi^{-} \times 4\right)\)

1. Ground plate \([\mathrm{A}](\underset{\square}{(1)} \times 2)\)
2. Toner supply fan air duct \([A]\left({ }^{-1} \times 3\right)\)

3. PCU motor: Color (page 4-88)
4. Development motor: CMY (page 4-88)
5. Development solenoid (page 4-88)
6. Transfer drum motor (page 4-85)
7. Imaging IOB (page 4-159)
8. Imaging drive unit \([A]\binom{8}{\)\hline}

\subsection*{4.11.6 PCU MOTOR: CMY}
1. Controller box (page 4-85)
2. Color PCU motor \([\mathrm{A}](\mathbb{E} \times 4, \square \times 1)\)


\subsection*{4.11.7 DEVELOPMENT MOTOR: CMY}
1. Bracket (page 4-87)
2. Color Development motor \([\mathrm{A}](\times 4)\)


\subsection*{4.11.8 DEVELOPMENT SOLENOID}
1. Controller box (page 4-85)
2. Power supply box (page 4-161)
3. Solenoid cover \([A]\left(\begin{array}{l}(1)\end{array}\right.\)

4. Development solenoid \([A]()^{\circ} \times 2, ~ \times 1\), spring \(\times 1\) )


PCU: Black / Image Transfer Motor
Bracket (page 4-87)
PCU: Black / Image Transfer Motor [A] (


\section*{Registration Motor}

Power supply box (page 4-161)
Drive cooling fan.
Registration motor \([A]\left(\theta^{2} \times 2, ~ 4\right)\)


\subsection*{4.11.9 FUSING MOTOR}
1. Rear right cover (page 4-11)
2. Fusing motor \([\mathrm{A}]\left(\mathrm{C}^{\times} \times 4, \mathrm{C}^{-1} \times 1\right)\)


\subsection*{4.11.10PAPER EXIT / PRESSURE RELEASE MOTOR}
1. Fusing exhaust heat fan (page 4-170)
2. Paper exit / Pressure release motor \([\mathrm{A}]\left({ }_{(\beta)} \times 2, \square^{\infty} \times 1\right)\)


\subsection*{4.11.11DUPLEX ENTRANCE MOTOR}
1. Paper exit unit (page 4-122)
2. Fusing exhaust heat fan (page 4-170)
3. Duplex entrance motor unit \([A]\left(\begin{array}{ll}(1)\end{array} \times 2\right)\)

4. Duplex entrance motor \([A]\left(\theta^{2} \times 2\right)\)


\subsection*{4.11.12TONER TRANSPORT MOTOR}
1. Controller box (page 4-87)
2. Toner transport motor

\begin{tabular}{|c|c|c|}
\hline [A] & K &  \\
\hline [B] & C & \(\underbrace{(1)} \times 2, \square^{-1}\) \\
\hline [C] & M &  \\
\hline [D] & Y & \(\cdots \times 2, \square^{-1}\) \\
\hline
\end{tabular}

\subsection*{4.11.13SUB HOPPER}

\section*{K}
1. Pull out the image transfer unit about 5 cm .
2. Controller box. (page 4-85)
3. Toner transport motor unit \((\mathrm{K})[\mathrm{A}](\mathrm{e} \times 3)\)

4. Sub hopper (K) \([A]\)


C
1. Pull out the image transfer unit about 5 cm .
2. Controller box. (page 4-85)
3. Harness guide \([A]\left({ }^{-1} \times 2\right)\)

4. Toner transport motor unit (C) \([A]\left(\begin{array}{l}(1)\end{array}\right.\)

5. Hopper (C) [A]


M
1. Controller box (page 4-85)
2. Harness guide \([A]\left(\begin{array}{l}(1)\end{array}\right.\)

3. Toner transport motor unit (M) [A] ( \(\times 3\) )

4. Hopper (M) \([\mathrm{A}]\)

\(Y\)
1. Harness guide (page 4-94)
2. Toner transport motor unit \((\mathrm{Y})[\mathrm{A}](\underset{ }{(1)} \times 3)\)

3. \(\operatorname{Hopper}(\mathrm{Y})[\mathrm{A}]\)


\subsection*{4.11.14TONER END SENSOR}
1. Hopper (page 4-92)
2. Toner end sensor [A]


\section*{( 1 Note}
- The toner end sensor, there is no difference between each color.

\subsection*{4.11.15TONER BOTTLE DRIVE MOTOR}
\(K\)
1. Toner transport motor (K) (page 4-92)
2. Toner bottle drive motor \((\mathrm{K})[\mathrm{A}](\mathrm{B} \times 2)\)


C
1. Toner transport motor (C) (page 4-92)
2. Toner bottle drive motor (C) \([\mathrm{A}](\mathrm{E} \times 2)\)


M
1. Toner transport motor (M) (page 4-92)
2. Toner bottle drive motor \((\mathrm{M})[\mathrm{A}]\left(\mathrm{E}^{2} \times 2\right)\)

Drive Unit

\(Y\)
1. Toner transport motor ( Y ) (page 4-92)
2. Toner bottle drive motor \((\mathrm{Y})[\mathrm{A}](\mathrm{C} \times 2)\)


\subsection*{4.11.16ID CHIP}
\(K\)
1. Toner bottle drive motor (K) (page 4-97)
2. Toner bottle drive motor \((C)\) (page 4-97)
3. ID chip (K) \([\mathrm{A}]\left(\begin{array}{l}(1)\end{array} \times 2\right)\)


C
1. Toner bottle drive motor (C) (page 4-97)
2. Toner bottle drive motor (M) (page 4-97)
3. ID chip (C) \([A]\left(\begin{array}{l}(1)\end{array}\right)\)


M
1. Toner bottle drive motor ( M ) (page 4-97)
2. Toner bottle drive motor \((\mathrm{Y})\) (page 4-98)
3. ID chip (M) \([\mathrm{A}]\left(\begin{array}{l}\left.()^{2}\right)\end{array}\right.\)

Drive Unit

\(Y\)
1. Toner bottle drive motor \((\mathrm{Y})\) (page 4-100)
2. ID chip (Y) \([A]\left(\begin{array}{l}(1)\end{array}\right)\)


\section*{4．11．17TRANSPORT SCREW}
\(Y\)
1．Image transfer unit（page 4－65）
2．PCDU（page 4－55）
3．Toner Bottle Drive Motor（page 4－97）
4．Sub hopper（page 4－92）
5．ID chip（page 4－99）
6．Put a piece of disposable paper \([A]\) on the inside of the machine to avoid damage due to toner spillage．


7．Put a piece of disposable paper［A］under the transport screw to avoid damage due to toner spillage．


8．Remove all the harnesses connecting to the transport screw unit（气⿶凵⿱乛⿻上丨刂 \(\times 8\) ）．

9. Remove the screws fixing the transport screw units \([A]\) ( \(\times 5\), each color).

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10. Release the claws for the transport screw units [A] (claw \(\times 1\), each color).

11. Remove the screws securing the bracket \([A]\) ( \(\times 2\) ).

12. Put a piece of disposable paper on the floor because toner can spill when you put the transport screw unit down.
13. Pull out the whole transport screw unit \([A]\) together with the bracket \([B]\).

( + Note
- Be sure to put a piece of disposable paper on the floor because toner can spill when you put the transport screw unit down.
14. Transport screw unit for \((Y)[A]\) (claw \(\times 1\) ).


M
1. See steps 1 to 13 in the transport screw replacement procedure for "Y" (page 4-101).
2. Transport screw unit for \((M)[A]\) (claw \(\times 1\) ).

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c
1. See steps 1 to 13 in the transport screw replacement procedure for " \(Y\) " (page 4-101).
2. Transport screw unit for (C) \([A]\) (claw \(\times 1\) ).

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\section*{K}
1. See steps 1 to 13 in the transport screw replacement procedure for "Y" (page 4-101).
2. Transport screw unit for (K) [A] (claw \(\times 1\) ).


\subsection*{4.12 FUSING UNIT}

\subsection*{4.12.1 FUSING UNIT}

\section*{Adjustment before replacing the fusing unit}

\section*{\(\triangle\) CAUTION}
- Because there is a danger of burns on contact with hot parts of the fusing unit, start work when the temperature drops to a low enough temperature.
- To cancel SC544-02/554-02, it is necessary to replace the fusing unit or install the old one with an intact new unit detection fuse. If you cancel the SC by replacing the fusing unit, follow the instruction below.
1. Install the new fusing unit (Do not install a previously installed unit because the machine will check it is a new part or not with the new unit detection fuse).
2. Execute SP5-810-002 (SC Reset: Hard High Temp. Detection).
3. Execute SP3-701-115 (Manual New Unit Set: \#Fusing unit).
- A spare fuse is packed with the heating sleeve unit. For how to cancel the SCs by installing a new fuse, see the explanation at the end of the replacement procedure for the Heating sleeve unit (page 4-111).

\section*{D Note}
- When the fusing unit is used past its target yield (400k), the fusing unit may break, causing a service call. Therefore, the machine displays a warning on the operation panel at 415 k pages and stops at 430 k pages.

\section*{(1)Note}
- The fusing unit for replacement has a function that detects a new part, so it does not require a PM counter reset on SP mode.

\section*{Replacement}
1. Open the paper transfer unit. (page 4-65)
2. Fusing unit \([A]\left(\Theta^{\circ} \times 2\right)\)


Note
- To attach the fusing unit, fasten the screws in the order [B] (rear), [C] (front).

\subsection*{4.12.2 FUSING ENTRANCE GUIDE PLATE}

\section*{Replacement}
1. Fusing unit (page 4-106)
2. Fusing entrance guide plate \([A]\left({ }_{8} \times 2\right)\)


\section*{( \({ }^{2}\) Note}
- The screw \([B]\) is a threaded screw. When you assemble the unit, take care not to use the wrong screws.
- Attach the fusing entrance guide plate on the outer of the two screw holes.

\section*{Cleaning the Fusing Entrance Guide Plate}

Carefully remove toner adhering as shown in the diagram below with a dry cloth. Then, wipe with a cloth moistened with alcohol.

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\subsection*{4.12.3 FUSING EXIT GUIDE PLATE}

\section*{Replacement}
1. Fusing unit (page 4-106)
2. Fusing upper cover (page 4-109)
3. Fusing exit guide plate [A]
1. Open the fusing exit guide plate in the direction of the arrow 1.
2. Remove the fusing exit guide plate in the direction of the arrow 2 .


\section*{Cleaning the Fusing Exit Guide Plate}
1. Open the fusing exit guide plate [A].

2. Wipe clean with a dry cloth. Then wipe clean with a cloth dampened with alcohol.


\subsection*{4.12.4 FUSING UPPER COVER}
1. Fusing unit (page 4-106)
2. Fusing upper cover \([A](\mathbb{G} \times 4)\)


\subsection*{4.12.5 FUSING LOWER COVER}
1. Fusing unit (page 4-106)
2. Fusing lower cover \([A]\left(\begin{array}{l} \\ \hline\end{array}\right)\)


\subsection*{4.12.6 FUSING FRONT COVER}
1. Fusing unit (page 4-106)
2. Fusing front cover \([A]\left(\begin{array}{l} \\ \hline\end{array}\right)\)

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\subsection*{4.12.7 FUSING REAR COVER}
1. Fusing unit (page 4-106)
2. Gear \([A](\times 1)\), Fusing rear cover \([B](\times 2)\)


\subsection*{4.12.8 HEATING SLEEVE UNIT}

\section*{Replacement}

\section*{\(\triangle\) CAUTION}
- The heating sleeve unit is designed with a highly soft material. Do not touch the sleeve belt unit with your hands to prevent dents during replacement. If you have touched it and a dent has been made, the dent will gradually become larger during operation and it can cause a fusing malfunction or sleeve belt breakage.

\section*{\(\triangle\) CAUTION}
- To cancel SC544-02/554-02, it is necessary to replace the fusing unit or install an intact new unit detection fuse. If you will cancel these SCs by installing a new unit detection fuse, follow the instruction at the end of this procedure.
- If you are replacing the heating sleeve unit for PM or any reason other than canceling these SCs, you can discard the fuse that is packed with the new heating sleeve unit.
1. Fusing upper cover (page 4-109)
2. Fusing lower cover (page 4-110)
3. Fusing front cover (page 4-110)
4. Fusing rear cover (page 4-111)
5. Exit guide plate (left) unit [A] ( \(\times 2\) )

6. Left frame \([A]\left(\theta^{-} \times 4,4 \times 4\right)\)

7. Side plate \([A]\left({ }^{-1} \times 1\right)\)

8. Heating sleeve unit \([A]\left(\begin{array}{l} \\ \end{array}\right)\)


\section*{( Note}
- Be careful not to touch the temperature sensor unit [A] against the heating sleeve unit when installing the electrical unit in the fusing unit.


\section*{How to cancel SC544-02/SC554-02 with a new unit detection fuse \(\triangle\) CAUTION}
- To cancel SC544-02/554-02, it is necessary to replace the fusing unit or install an intact new unit detection fuse. If you will cancel these SCs by installing a new unit detection fuse, follow the instruction below.
- If you are replacing the heating sleeve unit for PM or any reason other than canceling these SCs, you can discard the fuse that is packed with the new heating sleeve unit.
1. There is a new unit detection fuse packed with the new heating sleeve unit.

2. Connect the new unit detection fuse to the connector.

3. Pass the fuse harness through the slit located next to the connector (blue arrow) and place the fuse in the empty space (blue circle).

4. Execute SP5-810-002 [SC Reset: Hard High Temp. Detection].
5. Execute SP3-701-116 [Manual New Unit Set: \#Fusing Belt].

\subsection*{4.12.9 PRESSURE ROLLER}

\section*{Adjustment before replacing the pressure roller}

Before replacing the Pressure Roller, set SP3-701-118 to "1" and switch the power OFF. Then replace the Pressure Roller and switch the power ON.

\section*{Replacement}

\section*{\(\triangle\) CAUTION}
- Do not remove or adjust the pressure adjusting screws [A] when replacing the pressure roller.

The fusing unit is adjusted in the factory to match the hardness of the pressure roller, so that the nip width will be correct, so please do not release the pressure adjustment screw.


\section*{\(\triangle\) CAUTION}
- This screw is adjusted in the factory for the correct nip width, to match the hardness characteristics of each roller. Do not adjust the pressure adjustment screw in the field.
- Also, do not move the pressure roller to another fusing unit.
1. Heating sleeve unit (Heating sleeve unit)
2. Pressure roller [A] (C-ring \(\times 2\) )

3. Apply the grease (FLUOTRIBO MG GREASE) to the rear shaft of the pressure roller at \(5-7 \mathrm{~mm}\) from the cut edge.

4. Apply the grease (FLUOTRIBO MG GREASE) to the front shaft of the pressure roller at \(5-7 \mathrm{~mm}\) from the C -ring notch.


\subsection*{4.12.10 THERMOSTAT UNIT}
1. Left frame (Heating sleeve unit)
2. Thermostat unit [A] ( \(\times 2\) )


\subsection*{4.12.11NON-CONTACT THERMISTOR UNIT}
1. Left frame (Heating sleeve unit)
2. Non-contact Thermistor unit \(\left.[A]()^{-} \times 2\right)\)


\subsection*{4.12.12FUSING THERMISTOR}
1. Fusing upper cover (page 4-109)
2. Fusing lower cover (page 4-110)
3. Fusing thermistor (edge) \([A]\), fusing thermistor (center) \([B]\left({ }^{(1)} \times 2,4 \times 2,4 \times 1\right)\)


\subsection*{4.12.13FUSING THERMOPILE UNIT}
1. Fusing unit (page 4-106)
2. Fusing thermopile unit \([A]\left(\Theta^{\circ} \times 2, \square^{\|} \times 2\right)\)


\subsection*{4.12.14PRESSURE ROLLER HP SENSOR}
1. Fusing unit (page 4-106)
2. Pressure roller HP sensor unit \([A](\mathbb{G} \times 1,4 \times 1)\)

3. Pressure roller HP sensor [A]


\subsection*{4.12.15FUSING SHIELD POSITION SENSOR}
1. Fusing unit (page 4-106)
2. Fusing shield position sensor unit \([\mathrm{A}]\left(\mathrm{C}^{2} \times 1, \mathrm{~m}^{-1} \times 2\right)\)

d1462360
3. Fusing shield position sensor (upper) [A], Fusing shield position sensor (lower)[B]


\subsection*{4.12.16FUSING SHIELD DRIVE MOTOR}
1. Fusing unit (page 4-106)
2. Fusing shield drive motor unit \([A]\left(\begin{array}{ll}(1)\end{array} \times 1\right)\)

d1462362
3. Fusing shield drive motor \([A](\underset{\theta}{ } \times 2)\)


\subsection*{4.13 PAPER EXIT}

\subsection*{4.13.1 PAPER EXIT UNIT}
1. Open the right cover (page 4-142)
2. Fusing unit (page 4-106)
3. Inner cover \([A]\left({ }^{\circ} \times 2\right)\)

4. Paper exit unit \([A]\left(\underset{E}{(1)} \times 1, M^{-1} \times 2\right)\)


\subsection*{4.13.2 PAPER EXIT SWITCHING SOLENOID}
1. Paper exit unit (page 4-122)
2. Paper exit switching solenoid \([A](\mathbb{E} \times 2, \square \times 1,9 \times 1)\)


\subsection*{4.13.3 PAPER EXIT SENSOR}
1. Paper exit unit (page 4-122)
2. Feeler [A]

3. Harness \([A]\left(\square^{-1} \times 1\right.\), 俭 \(\left.\times 3\right)\)

4. Paper exit sensor unit \(\left.[A]()^{(1)} \times 1\right)\)

Paper Exit

5. Paper exit sensor [A]


\subsection*{4.13.4 REVERSE SENSOR}
1. Paper exit unit (page 4-122)
2. Reverse sensor unit [A] \((\underset{G}{9} \times 1,4 \times 1,4 \times 1)\)

d1462373
3. Reverse sensor [A]


\subsection*{4.13.5 REVERSE MOTOR}
1. Paper exit unit (page 4-122)
2. Gear [A]



4. Reverse motor \([\mathrm{A}]\left({ }_{(B)} \times 2, \square \times 1\right)\)


\subsection*{4.13.6 FUSING EXIT SENSOR}
1. Paper exit unit (page 4-122)
2. Fusing exit sensor unit \([\mathrm{A}]\left(\times 1, \square^{1} \times 1\right.\), 综 \(\times 1\) )

3. Fusing exit sensor [A]


\subsection*{4.14 PAPER FEED}

\section*{( Note}
- The 1st paper feed unit can be removed without removing the duplex unit (just open the right cover), and you can remove the paper feed unit after pulling out the paper tray.
- Note that the 1st paper feed unit and 2nd paper feed unit are not interchangeable.

\subsection*{4.14.1 PAPER FEED UNIT}

\section*{1st Paper Feed Unit}
1. Open the right cover [A] wide ( \((3) \times 2)\).

d1462180
2. Pull out the 1st paper tray [A].

3. Paper feed guide plate [A]

d1462182
4. 1st paper feed unit \([A](-2, \square \times 1)\)


\section*{2nd Paper Feed Unit}
1. Duplex unit (page 4-142)
2. Pull out the 2nd paper tray [A].

3. Transport guide \(\left.[A]()^{2} \times 1\right)\)

4. Harness guide \([A](-1)\)

5. Paper feed guide plate [A]

6. 2nd paper feed unit \([A](\mathbb{G} \times 2,4 \times 1)\)


\subsection*{4.14.2 PAPER DUST COLLECTION UNIT}
1. Open the right cover (page 4-142)
2. Paper dust collection unit \([\mathrm{A}](\times 1)\)


\subsection*{4.14.3 SEPARATION ROLLER, TORQUE LIMITER}
1. Pull out the paper tray [A]

d17724585
2. Open the right cover [ A ] (page 4-142)

3. Separation Roller [A], Torque Limiter [B] (3) \(\times 1\) )


\subsection*{4.14.4 PICK-UP ROLLER, PAPER FEED ROLLER}
1. Pull out the paper tray (page 4-131)
2. Open the right cover (page 4-131)
3. Retainer \([A](3) \times 1)\)

d17724587
4. Pick-up Roller [A], Paper Feed Roller [B]


\subsection*{4.14.5 1ST TRAY LIFT MOTOR / 2ND TRAY LIFT MOTOR}
1. HVP CB (page 4-162)
2. 1st Tray Lift Motor \([\mathrm{A}]\left({ }_{(0)} \times 2, \square^{-1} \times 1\right)\)

3. 2nd Tray Lift Motor \([A](\times 2, \square \times 1)\)

\section*{Paper Feed}


\subsection*{4.14.6 VERTICAL TRANSPORT SENSOR}
1. Paper feed unit (page 4-128)
2. Vertical transport sensor unit \([\mathrm{A}]\left(\mathbb{E} \times 1, \mathrm{C}^{-1} \times 1\right)\)

3. Vertical transport sensor [A]

d1462197

\subsection*{4.14.7 LIMIT SENSOR}
1. Paper feed unit (page 4-128)
2. Limit sensor [A]


\subsection*{4.14.8 PAPER END SENSOR}
1. Paper feed unit (page \(\mathbf{4 - 1 2 8 )}\)
2. While pressing the tab enclosed by the blue circle, remove the paper end sensor [A] (Harness \(\times 1\) ).


\subsection*{4.14.9 REGISTRATION SENSOR}
1. Open the right cover (page 4-142)
2. Paper transfer roller unit (page 4-74)
3. Inner bracket \([A]\left({ }^{( } \times 3\right)\)

4. Remove the registration sensor from the stay gap using a slotted screwdriver ( \(\square^{-1} \times 1\) )


\subsection*{4.15 BY-PASS TRAY UNIT}

\subsection*{4.15.1 BY-PASS TRAY}
1. Open the right cover (page 4-142)
2. Wire \([\mathrm{A}](\mathrm{E} \times 1)\)

3. Open the duplex unit wide. (page 4-122)
4. Paper transport guide \([\mathrm{A}]\left(\begin{array}{l}(1)\end{array}\right)\)

5. By-pass tray \([\mathrm{A}]\left(\mathrm{C}^{-1} \times 4\right.\), 氙 \(\times 3\), ( 3\(\left.) \times 4\right)\)

\section*{By-pass Tray Unit}


\subsection*{4.15.2 BY-PASS PAPER END SENSOR}
1. Open the by-pass tray [A].

2. By-pass paper end sensor cover [A]

3. By-pass paper end sensor unit \([A](-1,0 \times 1)\)

4. By-pass paper end sensor [A]


\subsection*{4.15.3 BY-PASS PICK-UP ROLLER}
1. Open the by-pass tray. (page 4-137)
2. By-pass pick-up roller [A] ( \((3 \times 1)\)


\subsection*{4.15.4 BY-PASS PAPER FEED ROLLER}
1. Paper End Sensor (page 4-135)
2. By-pass paper feed roller \([A](\sqrt{3} \times 1)\)


\subsection*{4.15.5 BY-PASS SEPARATION ROLLER}
1. Paper transport guide (page 4-137)
2. By-pass separation roller \([A](3) \times 1)\)


\subsection*{4.15.6 TORQUE LIMITER}
1. By-pass separation roller (page 4-141)
2. Torque limiter [A]


\subsection*{4.16 DUPLEX UNIT}

\subsection*{4.16.1 DUPLEX UNIT}
1. Unlock the lever [A], and then open the right cover [B].

2. \(\operatorname{Arm}[\mathrm{A}][\mathrm{B}](\sqrt{3}) \times 2)\)

3. Right rear cover (page 4-13)
4. Open the 1st paper feed tray [A] and 2nd paper feed tray [B].

5. Cover \([\mathrm{A}]\left(\begin{array}{l}(1) \times 1)\end{array}\right.\)

6. Duplex unit \([A](\sqrt{3}) \times 1, \square \times 3)\)


\section*{( Note}
- To attach the duplex unit, loop the harness around as shown in the diagram.


\subsection*{4.16.2 DUPLEXIBY-PASS MOTOR}
1. Duplex unit (page 4-142)
2. Harness guide \([A]\left(\theta^{-} \times 4\right)\)

d1462284
3. Duplex/by-pass motor unit [A] (

4. Duplex/By-pass Motor [A] ( \((\underset{8}{ } \times 2)\)


\subsection*{4.16.3 DUPLEX ENTRANCE SENSOR}
1. Harness guide (page 4-142)
2. Remove two tabs, and remove the transport guide [A].

3. Duplex entrance unit \([\mathrm{A}](\times 8)\)

4. Duplex entrance sensor unit \([\mathrm{A}](\times 1)\)

5. Duplex entrance sensor \([A](\square \times 1)\)


\subsection*{4.16.4 DUPLEX EXIT SENSOR}
1. Duplex unit (page 4-142)
2. Harness guide \([A](-1)\)

3. Duplex exit sensor unit \([A](\times 1)\)

4. Duplex exit sensor \([A](\square \times 1)\)


\subsection*{4.17 ELECTRICAL COMPONENTS}

\section*{\(\triangle\) CAUTION}
- There is a FFC with tabs. Release the tabs to remove.

d1462076

\subsection*{4.17.1 OVERVIEW}

Printed Circuits/Parts Inside the Controller Box

\begin{tabular}{|c|l|}
\hline\([A]\) & BCU \\
\hline\([B]\) & IPU \\
\hline\([C]\) & Controller Box Cooling Fan \\
\hline\([D]\) & Controller Board \\
\hline\([E]\) & HDD \\
\hline
\end{tabular}

Printed Circuits Behind the Controller Box.

\begin{tabular}{|c|l|}
\hline\([A]\) & HVP_TTS \\
\hline\([B]\) & Imaging IOB \\
\hline
\end{tabular}

Printed Circuit/Parts Inside the Power Box

\begin{tabular}{|c|l|}
\hline\([A]\) & PSU (AC controller board) \\
\hline [B] & PSU (DC Power) \\
\hline\([C]\) & PSU Cooling Fan \\
\hline
\end{tabular}

Printed Circuits Behind the Power Box.

\begin{tabular}{|c|l|}
\hline\([A]\) & HVP_CB \\
\hline\([B]\) & Paper Transport IOB \\
\hline
\end{tabular}

\subsection*{4.17.2 IPU}

\section*{\(\triangle\) CAUTION}
- The FFC connector has a lock mechanism. Do not use force to pull it out.



\subsection*{4.17.3 BCU}

\section*{\(\triangle\) CAUTION}
- The FFC connector has a lock mechanism. Do not use force to pull it out.
1. Rear cover (page 4-10)
2. \(B C U[A]\binom{(1)}{\times 4}\)


\section*{When installing the new BCU}

Remove the NVRAM from the old BCU. Then install it on the new BCU after you replace the BCU. Replace the NVRAM (page 4-151) if the NVRAM on the old BCU is defective.

\section*{( \()\) Note}
\(\qquad\) )
- Make sure you print out the SMC reports ("SP Mode Data" and "Logging Data") before you replace the NVRAM.

\section*{\(\triangle\) CAUTION}
- Keep NVRAMs (EEPROM) away from any objects that can cause static electricity. Static electricity can damage NVRAM data.
- Make sure the serial number is input in the machine for the NVRAM data with SP5-811-004, if not, SC995-001 occurs

\section*{Replacing the NVRAM (EEPROM) on the BCU}
1. Make sure that you have the SMC report (factory settings). This report comes with the machine.
2. Output the SMC data ("ALL") using SP5-990-001/SP5-992-001.
3. Turn off the main switch.
4. Insert a blank SD card in the SD slot \#2, and then turn on the main switch.
5. Use SP5-824-001 to upload the NVRAM data from the BCU.
6. Turn off the main power switch and unplug the power cord.
7. Replace the NVRAM on the BCU with a new one.
8. Plug in, and then turn on the main switch.

\section*{Note}
- When the power is turned ON, SC195-00 appears, but continue with the following steps.
9. Select the destination setting. (SP5-131-001) (JPN: 0, NA: 1, EU/AA/TWN/CHN: 2)
10. Set the following SP, Machine Serial Set (SP5-811-001), Area Selection (SP5-807-001), CPM Set (SP5-882-001).
( \()\) Note
- For information on how to configure this SP, contact the supervisor in your branch office.
11. Turn off the machine, and then turn it back on.
12. Use SP5-801-002 "Memory Clear Engine".
* Important
- After changing the EEPROM, Some SPs do not have appropriate initial values. Because of this, steps 10 to 12 are done.
13. Turn off the machine, and then turn it back on.
14. From the SD card where you saved the NV-RAM data in step 5, download the NV-RAM data.
15. Turn off the machine, and then remove the SD card from slot \#2.
16. Turn on the main switch.
17. Check the factory setting sheet and the SMC data printout from step 2, and set the user tool and SP settings so they are the same as before.
18. Do ACC (Copier function and Printer function).

\subsection*{4.17.4 CONTROLLER BOARD}

\section*{(4) Note}
- Keep NVRAMs away from any objects that can cause static electricity. Static electricity can damage NVRAM data.
1. Rear cover (page 4-10)
2. Controller bracket \([\mathrm{A}](\times 5)\)

3. Controller Board \([A](G \times 4\), \(币 \times 2)\)

d177Z4524
4. DIMM (Unlock)


\section*{NVRAMs on the controller board}

\section*{\(\triangle\) CAUTION}
- Referring to the following procedure, be sure that there are no mistakes in the mounting position and orientation of the NVRAMs.

\section*{\(\triangle\) CAUTION}
- SC195 (Machine serial number error) will be displayed if you forget to attach the NVRAM.
- If you mounted the NVRAM in the wrong direction, each component needs to be replaced because a short circuit was caused in the controller board and the NVRAM.
1. Make sure you have the SMC report (factory settings). This report comes with the machine.
2. Output all the SMC data using SP5-990-001 (SP Print Mode: All (Data List)).
3. Make sure the customer has a backup of their address book data. If not, obtain the backup by referring to the following procedure.
1. Turn the power OFF.
2. Insert a SD card into slot 2 and turn the power ON.
3. Save the address book data in the SD card using SP5-846-051.
* Important
- The address data stored in the machine will be discarded later during this procedure. So be sure to obtain a backup of the customer's address book data.
- Note that the counters for the user will be reset when doing the backup/restore of the address book data.
- If they have a backup of the address book data, use their own backup data for restoring. This is because there is a risk that the data cannot be backed up properly depending on the NV-RAM condition.
4. Print the Box List by pressing these buttons in the following order: [Facsimile Features] - [General Setting] - [Box Setting: Print List]
5. Print the Special Sender List by pressing these buttons in the following order: [Facsimile Features] - [Reception] - [Program Special Sender: Print List]
6. Write down the following fax settings.
- [Receiver] in [Facsimile Features] - [Reception] - [Reception File Settings] - [Forwarding].
- [Notify Destination] in [Facsimile Features] - [Reception] - [Reception File Settings] [Store].
- [Specify User] in [Facsimile Features] - [Reception] - [Stored Reception File User Setting].
- [Notify Destination] in [Facsimile Features] - [Reception] - [Folder Transfer Result Report].
- Specified folder in [Facsimile Features] - [Send] - [Backup File TX Setting].
- [Receiver] in [Facsimile Features] - [Reception] - [Reception File Settings] - [Output Mode Switch Timer].
- [Store: Notify Destination] in [Facsimile Features] - [Reception] - [Output Mode Switch Timer].
- All the destination information shown on the display.
(4) Note
- In the fax settings, address book data is stored with entry IDs, which the system internally assigns to each data. The entry IDs may be changed due to re-assigning in backup/restore operations.
7. Make sure that there is no transmission standby file. If any standby file exists, ask the customer to delete it or complete the transmission.
8. Turn the power OFF and unplug the power supply cord.
9. Push the power switch ON again to discharge the residual charge.
10. Replace the NV-RAM with a brand-new one.
11. Turn the power ON.
* Important
- After turning the power ON, SC995 will be displayed except for machines that have a smart operation panel.
- For machines that have a smart operation panel, SC673 will occur and SC995 might be internally issued after turning the power ON.
- After turning the power ON, SC870 will occur and the address book data will be cleared.
<Additional procedure only for machines that have the Smart Operation Panel installed>
\(\qquad\)
- SC673 will be displayed at start-up, but this is normal behavior. This is because the controller and the smart operation panel cannot communicate with each other due to changing the SP settings for the operation panel.
1. Change the SP settings for the operation panel.
- SP5-748-101: (OpePanel Setting: Op Type Action Setting): Change bit 0 from 0 to 1.
- SP5-748-201: (OpePanel Setting: Cheetah Panel Connect Setting): Change the value from 0 to 1.
2. Change the Flair API SP values.
- SP5-752-001 (Copy FlairAPIFunction Setting): Change the value from 0 to 1.
- SP1-041-001 (Scan:FlairAPI Setting): Change the value from 0 to 1.
- SP3-301-001 (FAX:FlairAPI Setting) Change the value from 0 to 1.
3. Cycle the power OFF/ON.
4. Turn the power ON, with the SD card where the NV-RAM data has been uploaded in slot 2. Then download the NV-RAM data stored in the SD card to the brand-new NV-RAM using SP5-825-001 (NV-RAM Data Download).

\section*{Note}
- The download will take a couple of minutes.
5. Turn the power OFF and remove the SD card from slot 2.
6. Turn the power ON.
7. Restore the original settings of the following SPs, referring to the SMC data obtained in step 2.
( 4 Note
- SP5-825-001 does not download the following SP data to the new NV-RAM. So you must set them manually.
a. SP5-985-001 (Device Setting: On Board NIC)
b. SP5-985-002 (Device Setting: On Board USB)
c. SP5-193-001 (External Controller Info. Settings)
d. SP5-895-001 (Application invalidation: Printer)
f. SP5-895-002 (Application invalidation: Scanner)
g. SP5-730-001 (Extended Function Setting: JavaTM Platform setting)
8. If the security functions (e.g. Stored file encryption/ Auto Erase Memory Setting) were applied, set the functions again.
9. Ask the customer to restore their address book. Or restore the address book data using SP5-846-052 (UCS Setting: Restore All Addr Book), and ask the customer to ensure the address book data has been restored properly.
* Important
- If you obtained the backup of the customer's address book data in step 3, delete the backup immediately after the NV-RAM replacement to avoid accidentally taking out the customer's data.
10. Output all the SMC data with SP5-990-001 and make sure all the SP/UP settings except for counter information are properly restored, by checking the SMC data obtained in step 2.

\section*{(4) Note}
- The counters will be reset.
11. Make sure that the list output in steps 4 to 6 matches the destination information in step 6 . If not, set it to the setting before replacement.
12. Execute the process control (SP3-011-001).
13. Execute the ACC (Copy).
14. Execute the ACC (Printer).

\section*{( Important}
- If you cannot execute SP5-824-001 or SP5-825-001 for some reason, try all the following things.
- Check the changed SP value on the SMC which was output in step 2 and set it manually. Especially, ensure that the values of the following SPs are same as the setting before the replacement.
a. SP5-045-001 (Accounting counter: Counter Method)
b. SP5-302-002 (Set Time: Time Difference)
- Because the PM counters have been reset during NV-RAM replacement, it is necessary to replace all the PM parts for proper PM management.

\section*{(4) Note} )
- If a message tells you need a SD card to restore displays after the NV-RAM replacement, create a "SD card for restoration" and restore with the SD card.

\section*{Correspondence table}
\begin{tabular}{|c|c|c|c|}
\hline & Position & \begin{tabular}{c} 
Label on the \\
board
\end{tabular} & Label on the NVRAM \\
\hline\([A]\) & Upper & FRAM2 & \(2 M-2\) \\
\hline\([B]\) & Lower & FRAM1 & \(2 M-1\) \\
\hline
\end{tabular}

Mounting position and orientation of the NVRAMs

- When replacing the controller board, first, check which SDK applications have been installed. After replacing the controller board, re-install the SDK applications by following the installation instructions for each application.
- After reinstalling the SDK applications, print the SMC (SP-5-990-024/025 (SMC:

SDK/Application Info)). Then open the Main power switch cover. Store the SMC sheet and the SD card(s) that was used to install the SDK application(s).

\subsection*{4.17.5 HDD}

\section*{(4) Note}
- Before replacing the HDD, copy the address book data to an SD card with SP5846-051 if possible.
- If the customer is using the Data Overwrite Security, the Data Encryption feature or OCR Scanned PDF, these applications must be installed again.
1. Rear cover (page 4-10)
2. \(\mathrm{HDD}[\mathrm{A}]\left(\mathrm{B}^{-} \times 3, \mathrm{C}^{1} \times 2\right)\)


\section*{Adjustment after replacement}
1. Run SP5832-001, to initialize the hard disk.

Even if you use an HDD that is already formatted, it is recommended that you re-initialize.
2. Run SP5853-001, to install the fixed stamps.
3. Run SP5846-052, to copy the address book from the SD card to the HDD.
4. Turn off the machine, and then turn it back on.

\subsection*{4.17.6 IMAGING IOB}
1. Scanner rear cover (page 4-11)
2. Scanner rear small cover (page 4-12)
3. Rear right cover (page 4-11)
4. Open the controller box [A]. ( \(\times 6\) )

5. Imaging \(\left.I O B[A]()^{-} \times 5, \sum^{-14}\right)\)


\subsection*{4.17.7 HVP_TTS}
1. Open the controller box. (page 4-159)
2. HVP_TTS \(\left.[A]\left(\Theta^{\circ} \times 4 \text {, }\right)^{-1} \times 6\right)\)


\subsection*{4.17.8 PSU (AC CONTROLLER BOARD)}
1. Rear lower cover (page 4-11)
2. PSU (AC Controller Board) [A] ( \(\times 6\), \(\times 7\) for NA, \(x 6\) for EU/AA)


\subsection*{4.17.9 PSU (DC POWER)}
1. Rear lower cover (page 4-11)
2. PSU (DC Power) \([A]\left({ }^{-} \times 8, \square \times 7\right)\)


\subsection*{4.17.10PAPER TRANSPORT IOB}
1. Rear lower cover (page 4-11)
2. Power supply box [A] ( \(\times 6\), Among them, tapping screw \(\times 1,4 \times 10\), 运 \(\times 4\) )

(4) Note
- The power box \([A]\) is hooked onto the machine at the locations in the blue circles.

3. Paper transport IOB [A] ( \(\times 6, \square \times 22)\)


\subsection*{4.17.11HVP-CB}

\section*{(1) Note}
- Before replacing the HVP-CB, input all the four charge voltage correction values from the decal on the new board into the correct SPs as shown below, then turn the power OFF. After replacing the board, turn the power ON.

\section*{SPs for charge voltage correction}
\begin{tabular}{|c|c|}
\hline & SP No. \\
\hline\(K\) & SP2-005-239 \\
\hline\(C\) & SP2-005-240 \\
\hline\(M\) & SP2-005-241 \\
\hline\(Y\) & SP2-005-242 \\
\hline
\end{tabular}

\begin{tabular}{|c|c|}
\hline A & Serial No. \\
\hline B & \begin{tabular}{c} 
Left: Last three digits of SP Number \\
Right: Correction Value
\end{tabular} \\
\hline C & QR code (For production process) \\
\hline
\end{tabular}

\section*{The location of the bar-code decal [A]}

d17724534
( + Note
- You need to paste only the following red part on the HVP-CB. QR code and releasing paper can be discarded.

1. Power supply box (page 4-161)
2. HVP _CB \([A]\left(\mathrm{E}^{2} \times 4, \mathrm{M} \times 1\right)\)


When removing the HVP-CB together with its bracket
1. Release the claws attached to the bracket for HVP-CB [A] (鿭 \(\times 4\) ).

2. Remove the HVP-CB together with the bracket \([A](\times 2\), claw \(\times 2, \times 1)\).

d146z0086

( Note
- There are two claws on the bracket [A]. Release them in a downward direction.

d146z0088

\subsection*{4.18 FANSIFILTERS}

\subsection*{4.18.1 ODOR FILTER}
1. Odor filter box [A]

2. Odor filter [A]


\subsection*{4.18.2 DEVELOPMENT INTAKE FAN/RIGHT}
1. Inner lower cover (page 4-19)
2. Development Intake Fan/Right unit [A] ( \(\times 2,4 \times 1\),

3. Development Intake Fan/Right [A] (


\subsection*{4.18.3 DEVELOPMENT INTAKE FAN/LEFT}
1. Inner lower cover (page 4-19)
2. Development Intake Fan/Left unit [A] ( \(\times 2, \square \times 1\) )

3. Development Intake Fan/Left [A] ( \(\times 2\) )


\subsection*{4.18.4 OZONE EXHAUST FAN}
1. Power supply box (page 4-161)
2. Ozone exhaust fan \([A]\left({ }^{(1)} \times 2, \square \times 1\right)\)


\subsection*{4.18.5 PAPER EXIT COOLING FAN}
1. Main power switch cover (page 4-14)
2. Paper exit cooling fan \([\mathrm{A}](\times 2, \square \times 1)\)


\subsection*{4.18.6 FUSING EXHAUST HEAT FAN}
1. Rear right cover (page 4-11)
2. Fusing exhaust heat fan unit \([\mathrm{A}]\left(\mathbb{G} \times 2, \mathrm{C}^{-1} \times 1\right.\), 氙 \(\times 1\) )

3. Fusing exhaust heat fan [A]


\subsection*{4.18.7 TONER SUPPLY COOLING FAN}
1. Rear right cover (page 4-11)
2. Right rear cover (page 4-13)


4. Toner supply cooling fan [A]


\subsection*{4.18.8 PSU COOLING FAN}
1. Rear lower cover (page 4-11)


3. PSU cooling fan [A]


\subsection*{4.18.9 POWER BOX COOLING FAN}
1. Rear cover (page 4-10)
2. Power box cooling fan \([\mathrm{A}](\mathrm{B} \times 2)\)


\subsection*{4.19 IMAGE ADJUSTMENT}

\subsection*{4.19.1 AUTO COLOR CALIBRATION}

Image adjustment is performed by setting the Auto Color Calibration (ACC) during installation.
- When you set the adjustment sheet on the exposure glass, put about 10 pieces of white paper on the adjustment sheet in order for the original to contact the exposure glass sufficiently. Instruct the customer to periodically execute the ACC.

\begin{tabular}{|c|l|}
\hline & \multicolumn{1}{|c|}{ Description } \\
\hline\([A]\) & is used to output adjustment sheets. \\
\hline\([B]\) & You must execute both copy and printer. \\
\hline\([C]\) & is used to roll back to the previous value. \\
\hline\([D]\) & Displays the last date/time ACC was executed. \\
\hline
\end{tabular}

\subsection*{4.19.2 PRINTER GAMMA CORRECTION}

\section*{( \()\) Note}
- The ACC is usually sufficient to adjust the color balance to get the best print output. You only need the printer gamma correction to fine-tune to meet user requirements.
Use SP modes if you want to modify the printer gamma curve created with ACC. You can adjust the gamma data for the following:
- Highlight
- Middle
- Shadow areas
- IDmax.

The adjustable range is from 0 to 30 (31 steps).

\section*{Copy Mode}

\section*{- KCMY Color Balance Adjustment -}

The adjustment uses only "Offset" values.

\section*{(4) Note}
- Never change "Option" values (default value is 0 ).
\begin{tabular}{|l|l|}
\hline Highlight (Low ID) & Levels 2 through 5 in the C4 chart 10-level scale \\
\hline Middle (Middle ID) & Levels 3 through 7 in the C4 chart 10-level scale \\
\hline Shadow (High ID) & Levels 6 through 9 in the C4 chart 10-level scale \\
\hline ID max & \begin{tabular}{l} 
Level 10 in the C4 chart 10-level scale (affects the entire image \\
density.)
\end{tabular} \\
\hline Offset & \begin{tabular}{l} 
The higher the number in the range associated with the low ID, \\
middle ID, high ID, and ID max, the greater the density.
\end{tabular} \\
\hline
\end{tabular}

There are four adjustable modes (can be adjusted with SP4-918-009):
- Copy Photo mode
- Copy Letter mode
- Copy Letter (Single Color) mode
- Copy Photo (Single Color) mode


\section*{- Adjustment Procedure -}
1. Copy the C-4 chart in the mode that you want to adjust.
2. Enter the SP mode.
3. Select "System SP."
4. Select SP4-918-009.
5. Adjust the offset values until the copy quality conforms to the standard (see the table below).

\section*{(4) Note}
- 1. Never change "Option" value (default value is "0").
- 2. Adjust the density in this order: "ID Max", "Middle", "Shadow", "Highlight".

\section*{- Photo Mode, Full Color -}
\begin{tabular}{|c|c|c|c|}
\hline & Item to Adjust & Level on the C-4 chart & Adjustment Standard \\
\hline 1 & ID max: (K, C, M, and Y) & \begin{tabular}{|l|l|l|l|l|l|l|l|l|l|}
\hline 1 & 2 & 3 & 4 & 5 & 6 & 7 & 8 & 9 & 10 \\
\hline \multicolumn{12}{|c|}{} \\
\hline
\end{tabular} & Adjust the offset value so that the density of level 10 matches that of level 10 on the C -4 chart. \\
\hline 2 & \begin{tabular}{l}
Middle (Middle ID) \\
(K, C, M, and Y)
\end{tabular} &  & Adjust the offset value so that the density of level 6 matches that of level 6 on the C-4 chart. \\
\hline 3 & \begin{tabular}{l}
Shadow (High ID) \\
(K, C, M, and Y)
\end{tabular} &  & Adjust the offset value so that the density of level 8 matches that of level 8 on the C-4 chart. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 4 & \begin{tabular}{l}
Highlight (Low ID) \\
( \(K, C, M\), and \(Y\) )
\end{tabular} &  & Adjust the offset value so that dirty background does not show on the copy and the density of level 3 is slightly lighter than that of level 3 on the C-4 chart. \\
\hline 5 & K Highlight (Low ID) (C,M, and Y) <on the full color copy> &  & Adjust the offset value so that the color balance of black scale levels 3 through 5 in the copy is seen as gray (no C, M, or Y should be visible). If the black scale contains C, M, or Y, do steps 1 to 4 again. \\
\hline
\end{tabular}
- Photo Mode, Single Color -
\begin{tabular}{|c|c|c|c|}
\hline & Item to Adjust & Level on the C-4 chart & Adjustment Standard \\
\hline 1 & ID max: (K) & \begin{tabular}{|l|l|l|l|l|l|l|l|l|l|}
\hline 1 & 2 & 3 & 4 & 5 & 6 & 7 & 8 & 9 & \\
\hline \multicolumn{7}{|c|}{} \\
\hline 8
\end{tabular} & Adjust the offset value so that the density of level 10 matches that of level 10 on the C-4 chart. \\
\hline 2 & Middle (Middle ID)
(K) & \begin{tabular}{|l|l|l|l|l|l|l|l|l|l|}
\hline 1 & 2 & 3 & 4 & 5 & 6 & 7 & 8 & 8 & \\
\hline \multicolumn{7}{|c|}{} \\
\hline 8
\end{tabular} & Adjust the offset value so that the density of level 6 matches that of level 6 on the C-4 chart. \\
\hline 3 & \begin{tabular}{l}
Shadow (High ID) \\
(K)
\end{tabular} &  & Adjust the offset value so that the density of level 8 matches that of level 8 on the C-4 chart. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 4 & Highlight (Low ID)
(K) & \[
\left.\begin{array}{|l|l|l|l|l|l|l|l|l|}
\hline 1 & 2 & 3 & 4 & 5 & 6 & 7 & 8 & 9
\end{array} \right\rvert\,
\] & Adjust the offset value so that dirty background does not show on the copy and the density of level 3 is slightly lighter than that of level 3 on the C-4 chart. \\
\hline
\end{tabular}
- Text (Letter) Mode, Full Color -
\begin{tabular}{|c|c|c|c|}
\hline & Item to Adjust & Level on the C-4 chart (K) & Adjustment Standard \\
\hline 1 & ID max: (K, C, M, and Y ) & \begin{tabular}{|l|l|l|l|l|l|l|l|l|l|}
\hline 1 & 2 & 3 & 4 & 5 & 6 & 7 & 8 & 9 & 10 \\
\hline \multicolumn{11}{|c|}{} \\
\hline 8
\end{tabular} & Adjust the offset value so that the density of level 10 matches that of level 10 on the C-4 chart. \\
\hline 2 & \begin{tabular}{l}
Middle (Middle ID) \\
(K, C, M, and Y)
\end{tabular} &  & Adjust the offset value so that the density of level 6 matches that of level 6 on the C-4 chart. \\
\hline 3 & Shadow (High ID) (K, C, M, and Y) &  & Adjust the offset value so that the density of level 8 matches that of level 8 on the C-4 chart. \\
\hline 4 & \begin{tabular}{l}
Highlight (Low ID) \\
(K, C, M, and Y)
\end{tabular} &  & Adjust the offset value so that dirty background does not show on the copy and the density of level 3 is slightly lighter than that of level 3 on the C-4 chart. \\
\hline
\end{tabular}
- Text (Letter) Mode, Single Color -
\begin{tabular}{|l|l|l|l|}
\hline & Item to Adjust & Level on the C-4 chart (K) & Adjustment Standard \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 1 & ID max: (K) & \[
\begin{array}{|l|l|l|l|l|l|l|l|l|l|}
\hline 1 & 2 & 3 & 4 & 5 & 6 & 7 & 8 & 9 & 10 \\
\hline
\end{array}
\] & Adjust the offset value so that the density of level 10 matches that of level 10 on the C-4 chart. \\
\hline 2 & \begin{tabular}{l}
Middle (Middle ID) \\
(K)
\end{tabular} &  & Adjust the offset value so that the density of level 6 matches that of level 6 on the C-4 chart. \\
\hline 3 & Shadow (High ID)
(K) &  & Adjust the offset value so that the density of level 8 matches that of level 8 on the C-4 chart. \\
\hline 4 & Highlight (Low ID)
(K) & \[
\] & Adjust the offset value so that dirty background does not show on the copy and the density of level 3 is slightly lighter than that of level 3 on the C-4 chart. \\
\hline
\end{tabular}

\section*{( 4 Note}
- Text parts of the test pattern cannot be printed clearly after you adjust "shadow" as shown above. At this time, check if the 5 line/mm pattern at each corner is printed clearly. If it is not, adjust the offset value of "shadow" again until it is.

\section*{Printer Mode}

There are six adjustable modes (select these modes with printer SP1-102-001):
- \(1200 \times 1200\) photo mode
- \(1200 \times 1200\) text mode
- \(2400 \times 600\) photo mode
- \(2400 \times 600\) text mode
- \(1800 \times 600\) photo mode
- \(1800 \times 600\) text mode
- \(600 \times 600\) photo mode
- \(600 \times 600\) text mode
\begin{tabular}{|l|l|l|l|l|}
\hline & \(\mathbf{K}\) & \(\mathbf{C}\) & \(\mathbf{M}\) & \(\mathbf{Y}\) \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|l|l|}
\hline Highlight & SP1-104-1 & SP1-104-21 & SP1-104-41 & SP1-104-61 \\
Shadow & SP1-104-2 & SP1-104-22 & SP1-104-42 & SP1-104-62 \\
Middle & SP1-104-3 & SP1-104-23 & SP1-104-43 & SP1-104-63 \\
IDmax & SP1-104-4 & SP1-104-24 & SP1-104-44 & SP1-104-64 \\
\hline
\end{tabular}

\section*{- Adjustment Procedure -}
1. Do ACC for the printer mode.
2. Turn the main power off and on.
3. Enter SP mode.
4. Select "Printer SP".
5. Select SP1-102-001. Then select the necessary print mode to adjust.
6. Choose SP1-103-1 to print out a tone control test sheet if you want to examine the image quality for these settings.
7. Adjust the color density with SP1-104. Compare the tone control test sheet with the C4 test chart.

\section*{( Note}
- Adjust the density in this order: "ID Max", "Shadow", "Middle", "Highlight".
8. Use SP1-105-001 to keep the adjusted settings.

\subsection*{4.19.3 COLOR REGISTRATION}

Adjust color registration with the following procedure when color registration errors occurred.

\section*{Check the occurrence of color registration errors}

Prepare some A3 sheets.
1. Execute SP2-111-004 (Forced line Position Adj.: Mode d)
2. Make sure that execution completed successfully with using SP2-194-007 (MUSIC). If the value of SP2-194-007 is "0", it indicates that the result of SP2-111-004 was successful. If the value of SP2-194-007 is " 1 ", it indicates that the result of SP2-111-004 was a failure, which you need to fix the color registration errors (See "Ways to fix color registration errors" page 4-180).
3. Execute SP2-109-003 (Test Pattern: Pattern Selection)
4. With a loupe, check the details of the color registration errors on the printed test pattern (page 4-180).
- Specification: Main/Sub is smaller than 180.0um
- No color registration errors: Adjustment completed.
- Color registration errors occurred: Adjust the color registration errors (See "Ways to fix color registration errors" page 4-180)

\section*{Judgment for type of color registration error}

In the following diagrams, solid lines represent " \(K\) " and dotted lines indicate any of " \(C\) ", " \(M\) " or " \(Y\) ".
1. Pattern 1

This is a case in which there is a shift in the sub-scan direction at the leading edge of the paper. The following diagram shows "C", " \(M\) " or " \(Y\) " lines closer to the leading edge than " \(K\) " lines.

2. Pattern 2

This is a case in which there is a shift in the sub-scan direction at the trailing edge of the paper. The following diagram shows "C", "M" or "Y" lines farther away from the leading edge than "K" lines.

3. Pattern 3

This is a case in which a color registration error is found in the main-scan direction and size of the error is the same at the left, center and right.

4. Pattern 4

This is a case in which a color registration error is found in the main-scan direction and the size of the error is different at the left, center and right. For " M ", the largest error will be at the right, followed by the center and then the left. For "C" or " \(Y\) ", the order will be reversed. This is because the writing direction of the laser beam for " \(K\) " and " \(M\) " is different from " \(C\) " and " \(Y\) ".

\section*{Case "M"}


\section*{Case "C" or "Y"}

5. Pattern 5

This is a case in which a color registration error is found in the sub-scan direction, but it is not
the same as the Pattern 1 or 2 . The error appears and disappears at intervals down the page. Ways to fix color registration errors
\begin{tabular}{|c|c|c|}
\hline \multicolumn{3}{|l|}{SP2-111-004 (Forced Line Position Adj. : Mode D) Execution} \\
\hline \multicolumn{3}{|l|}{Result: Failed Case: SP2-194-007: 1 (Failed)} \\
\hline \multirow{4}{*}{\begin{tabular}{l}
SP2-194-010, \\
011, 012 shows \\
"2" or "3"
\end{tabular}} & Result of Check & Blank image, abnormal image, low image density \\
\hline & Causes & \begin{tabular}{l}
1. Image Processing failure \\
2. Pattern density low \\
3. BCU(IPU) failure
\end{tabular} \\
\hline & Solution & \begin{tabular}{l}
1.Replace PCU, Intermediate Transfer Belt, Power pack \\
2. Execute process control, supply toner \\
3. Replace BCU(IPU)
\end{tabular} \\
\hline & Pattern & \\
\hline \multirow{4}{*}{Failed to read the pattern of Line position Adj.} & Result of Check & Normal (but color registration errors occur) \\
\hline & Causes & \begin{tabular}{l}
1. ID Sensor shutter failure \\
2. ID Sensor failure \\
3. \(B C U(I P U)\) failure
\end{tabular} \\
\hline & Solution & \begin{tabular}{l}
1. Replace ID Sensor shutter \\
2. Replace ID Sensor \\
3. Replace BCU(IPU)
\end{tabular} \\
\hline & Pattern & - \\
\hline \multirow{5}{*}{Any of SP2-194-010 or 011 or 012 shows "5"} & Result of Check & Image density low \\
\hline & Causes & Pattern density low \\
\hline & Solution & Execute the process control Supply toner \\
\hline & Pattern & - \\
\hline & Result of Check & Leading edge registration for " M ", " C ", and/or " \(Y\) " shifts over \(\pm 1.4 \mathrm{~mm}\) from that of " \(K\) ". \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline \multirow[t]{3}{*}{} & Causes & \begin{tabular}{l}
1. Normal \\
2. Laser unit failure \\
3. \(\mathrm{BCU}(\mathrm{IPU})\) failure
\end{tabular} \\
\hline & Solution & \begin{tabular}{l}
1. Execute SP2-111-003 (Forced Line Position Adj.: Mode c) \\
2. Replace Laser unit \\
3. Replace BCU(IPU)
\end{tabular} \\
\hline & Pattern & 3 \\
\hline \multirow{8}{*}{Out of line position correction range} & Result of Check & Leading edge registration of " M ", " C ", and/or " Y " shifts over \(\pm 1.4 \mathrm{~mm}\) from that of " K ". \\
\hline & Causes & \begin{tabular}{l}
1. Normal \\
2. Image Transfer Belt failure \\
3. Drive Section failure \\
4. BCU(IPU)failure
\end{tabular} \\
\hline & Solution & \begin{tabular}{l}
1. Execute SP2-111-003 (Forced Line Position Adj.: Mode c) \\
2. Replace Image Transfer Belt \\
3. Replace PCU/Drum motor \\
4. Replace BCU(IPU)
\end{tabular} \\
\hline & Pattern & 1,2 \\
\hline & Result of Check & The main scan magnification is OK, but the color registration in the center of the image shifts over 0.66 mm . \\
\hline & Causes & \begin{tabular}{l}
1.ID Sensor(Center) failure \\
2. Significant movement of Image Transfer \\
Belt (Center) \\
3.BCU(IPU) failure
\end{tabular} \\
\hline & Solution & \begin{tabular}{l}
1. Replace ID Sensor \\
2. Replace Image Transfer Belt \\
3. Replace BCU(IPU)
\end{tabular} \\
\hline & Pattern & - \\
\hline Out of line position & Result of Check & Skew of " \(M\) ", " \(C\) " and/or " \(Y\) " shifts over \(\pm 0.75 \mathrm{~mm}\) against that of "K" \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|}
\hline correction range & Causes & \begin{tabular}{l} 
1. PCU installation failure \\
2. Laser Unit failure \\
3. BCU(IPU) failure
\end{tabular} \\
\cline { 2 - 7 } & Solution & \begin{tabular}{l} 
1. Reset/Replace PCU \\
2. Replace Laser Unit \\
3. Replace BCU(IPU)
\end{tabular} \\
\cline { 2 - 4 } & Pattern & Result of Check \\
\cline { 2 - 4 } & Causes & \begin{tabular}{l} 
Other \\
abnormal \\
2. BCU(IPU) failure
\end{tabular} \\
\hline & Solution & \begin{tabular}{l} 
1. Reset skew correction value (*1) \\
2. Replace BCU(IPU)
\end{tabular} \\
\hline & Pattern & \begin{tabular}{l} 
-
\end{tabular} \\
\hline
\end{tabular}
*1 Method for resetting the skew correction value.
1. Turn the power OFF.
2. Remove the harness of the skew correction motor (A second part from the front side) attached to the laser unit.
3. Turn the power ON, and then execute SP2-110-005 to set the skew correction mechanism to the origin.
4. Make sure SP2-119-001 to -003 is set to " 0 ".
5. Turn the power OFF.
6. Connect the harness (A second part from the front side) of the skew correction motor to the laser unit.
7. Turn the power ON
\begin{tabular}{|l|l|}
\hline \begin{tabular}{l} 
SP2-111-001 (Forced Line Position Adj.: Mode A) execution (or Color Registration Error \\
Adjustment via the Maintenance menu)
\end{tabular} \\
\hline \multicolumn{2}{|l|}{ Result: OK Case: SP2-194-007: 0 (Success) } \\
\hline \begin{tabular}{l} 
No color \\
registration \\
errors
\end{tabular} & Result of Check
\end{tabular} Side-to-side registration for K shifted \begin{tabular}{l} 
Causes \\
\cline { 2 - 3 }
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline & Solution & Adjust SP2-101-001 \\
\hline & Pattern & \\
\hline & Result of Check & The main-scan magnification for " K " is not correct. \\
\hline & Causes & Abnormal SP value of standard sync value between two points (K) \\
\hline & Solution & Adjust SP2-185-001 \\
\hline & Pattern & - \\
\hline & Result of Check & Image density low \\
\hline Color & Causes & Pattern density low \\
\hline errors found & Solution & Execute process control, Supply toner \\
\hline & Pattern & - \\
\hline & Result of Check & The main scan magnification of " \(M\) ", " \(C\) " and/or " Y " is not correct. \\
\hline Color & Causes & \begin{tabular}{l}
1. Laser Unit failure \\
2. ID Sensor failure \\
3. \(B C U(I P U)\) failure \\
4. Normal
\end{tabular} \\
\hline errors found & Solution & \begin{tabular}{l}
1. Replace Laser Unit \\
2. Replace ID Sensor \\
3. Replace BCU(IPU) \\
4. Adjust the target SP(s) from among SP2-182-001 to -003
\end{tabular} \\
\hline & Pattern & 4 \\
\hline Color & Result of Check & Although main scan magnification is OK, the color registration in the center of the image is shifted \\
\hline registration errors found & Causes & \begin{tabular}{l}
1. Significant movement of Image Transfer \\
Belt (Center) \\
2. ID Sensor (Center) failure \\
3. \(B C U(I P U)\) failure
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline & Solution & \begin{tabular}{l}
1. Replace Image Transfer Belt \\
2. Replace ID Sensor \\
3. Replace BCU(IPU)
\end{tabular} \\
\hline & Pattern & - \\
\hline \multirow{4}{*}{Color registration errors found} & Result of Check & The side-to-side registration of " M ", " C ", and/or " \(Y\) " is not correct. \\
\hline & Causes & \begin{tabular}{l}
1.ID Sensor(Center) failure \\
2. Significant movement of Image Transfer \\
Belt (Center) \\
3.BCU(IPU) failure
\end{tabular} \\
\hline & Solution & \begin{tabular}{l}
1. Replace Laser Unit \\
2. Replace ID Sensor \\
3. Replace BCU(IPU) \\
4. Adjust the target SP(s) from among SP2-182-004 to -021
\end{tabular} \\
\hline & Pattern & 3 \\
\hline \multirow{4}{*}{Color registration errors found} & Result of Check & The leading edge registration of " M ", " C " and/or " \(Y\) " is not correct. \\
\hline & Causes & \begin{tabular}{l}
1. Image Transfer Belt failure \\
2. Drive Section failure \\
3. ID Sensor failure \\
4. \(\mathrm{BCU}(\mathrm{IPU})\) failure \\
5. Normal
\end{tabular} \\
\hline & Solution & \begin{tabular}{l}
1. Replace Image Transfer Belt \\
2. Replace PCU, Drum motor \\
3. Replace ID Sensor \\
4. Replace BCU(IPU) \\
5. Adjust the target SP(s) from among SP2-182-022 to -039
\end{tabular} \\
\hline & Pattern & 1,2 \\
\hline Color & Result of Check & The skew of " M ", " C " and/or " Y " is not correct \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline \multirow[t]{3}{*}{registration errors found} & Causes & \begin{tabular}{l}
1. PCU installation failure \\
2. Laser Unit failure \\
3. IOB failure
\end{tabular} \\
\hline & Solution & \begin{tabular}{l}
1. Reset/Replace PCU \\
2. Replace Laser Unit \\
3. Replace IOB
\end{tabular} \\
\hline & Pattern & - \\
\hline \multirow{4}{*}{Color registration errors found} & Result of Check & Shifted Drum phase. \\
\hline & Causes & \begin{tabular}{l}
1. PCU installation failure \\
2. Drive Section failure \\
3. Phase adjustment failure
\end{tabular} \\
\hline & Solution & \begin{tabular}{l}
1. Reset/Replace PCU \\
2. Check/Replace Drive Section \\
3. Execute SP1-902-001
\end{tabular} \\
\hline & Pattern & 5 \\
\hline
\end{tabular}

\subsection*{4.20 ADJUSTMENT AFTER REPLACING}

\subsection*{4.20.1 IMAGE POSITION ADJUSTMENT}

\section*{Parts that require adjustment}

The following items need to be adjusted after replacement or executing SP5-801 (Memory Clear).
- Lens block
- Scanner motor
- Polygon motor*1
- Laser unit*1
- Paper Feed Tray
- Bypass Tray
- Duplex unit
- ADF
*1 Details of Polygon motor or Laser unit: see "Laser Unit" (page 4-50)

\section*{Laser-related adjustment}

\section*{(4) Note}
- Make sure that paper is properly set on each paper feed tray when adjusting (adapt the paper sizes and types to the customer's environment). Set the value of SP2-109-003 (Test Pattern) to [14: Trimming Area], to obtain test patterns, except for the main scan magnification adjustment. After adjustment is completed, set the value of SP2-109-003 to [0: None].
<Standard (Margin)>
- Leading edge: \(4.2 \pm 1.5 \mathrm{~mm}\) (Plain, Thin)
- Right and Left: 0.5 to 4.0 mm
- Trailing edge: 0.5 to 6.0 mm (3.0 to 6.0 mm for duplex)

<Registration Adjustment: Side-to-Side (Main scan) / Leading edge (Sub scan)>
1. Output a test pattern and check [A] shown above. The value of SP1-001 (Leading Edge Registration) needs to be adjusted within the standard range if the value of [A] does not reach [ \(5.2 \pm 2 \mathrm{~mm}\) ] for Plain Paper or \([4.2 \pm 1.5 \mathrm{~mm}]\) for thick paper, including Medium Thick.
2. Output a test pattern and check \([B]\) shown above. If the value of \([B]\) does not meet \([2 \pm 1 \mathrm{~mm}]\), the value of SP1-002 (Side-to-Side Registration) needs to be adjusted within the standard range.

\section*{(4) Note}
- If the registration adjustment could not be set within the standard, adjust the right and the leading edge erase margins. (See the information below)

\section*{<Erase margin adjustment>}
1. Output a test pattern and check \([A]\) and \([B]\). If the value of \([A]\) and/or \([B]\) are out of the standard range, adjust them with SP2-103 (Erase Margin Adjustment).

\section*{( \()\) Note}
- Adjust the erase margin for [C] and [D] only when the registration cannot be adjusted within the standard range. After completing the adjustment, perform registration adjustment, then adjust the erase margin for \([A]\) and \([B]\) (see "Main scan magnification adjustment" below).
<Main scan magnification adjustment>
1. Output [7: Grid Pattern Small] with SP2-109-003 (Test Pattern).
2. Check whether the magnification meets the standard. If it is out of the range, change the standard value (Bk) of main scan magnification through SP2-102-001/002/003.

\section*{( \()\) Note}
- You do not need to adjust other three colors (Ma/Cy/Ye) because they will be automatically adjusted in the next steps (Scanner-related adjustment).
- These SPs enable you to adjust for three line speeds (Standard, Middle, Low speed) for plain/thick paper modes. However, you must input the same value regardless of line speed.
- Standard (Magnification tolerance)
* Same Size: Main scan: Less than \(\pm 0.55 \%\)
* Same Size: Sub scan: Less than \(\pm 1.00 \%\)
* Reduction: Main/Sub scan: Less than \(\pm 1.00 /\) reduction ratio
* Enlargement: Main/Sub scan: Less than \(\pm 1.00 \%\)
(ex.) current mag. (100.1\%) x current SP value \((249449)=1.001 \times 249449=\) changed SP (249698)

Colors will be automatically corrected when performing the line position adjustment.

\section*{Scanner-related adjustment}

\section*{( \()\) Note}
- Adjust the laser-related items before performing the scanner-related adjustment. (page 4-188)
- Use the C-4 or C-5 test chart for this adjustment.
<Scanner registration adjustment: Platen cover>
1. Set the test chart on the exposure glass, select a feed tray and start copying. You can select any feed tray.
2. Check \([A]\) and \([B]\) shown as below to see whether the registration is in the standard range.
3. If the registration is out of the range, execute SP4-010 (Sub Scan Registration Adj.) and SP4-011(Main Scan Reg.) to adjust.
- A: \(4.2 \pm 2 \mathrm{~mm}\)
- B: \(2 \pm 1 \mathrm{~mm}\)

\begin{tabular}{|c|l|l|}
\hline SP No. & \multicolumn{1}{|c|}{ SP Name } & \multicolumn{1}{c|}{ Range } \\
\hline SP4-010-001 & Sub Scan Registration Adj. & \(\pm 4.2 \pm 2 \mathrm{~mm}\) \\
\hline SP4-011-001 & Main Scan Reg. & \(\pm 2 \pm 1 \mathrm{~mm}\) \\
\hline
\end{tabular}
<Scanner magnification adjustment>
1. Set the test chart on the exposure glass, select a feed tray and start copying. You can select any feed tray.

2. Check whether the output image was within the standard range compared with the test pattern. If the image is out of range, execute SP4-008(Sub scan Magnification Adj.) to change the magnification. A lower value provides images that are stretched in the feeding direction. On the other hand, a greater value provides a reduced image.
- Standard (Magnification tolerance)
* Same Size: Main scan: Less than \(\pm 0.55 \%\)
* Same Size: Sub scan: Less than \(\pm 1.00 \%\)
* Reduction: Main/Sub scan: Less than \(\pm 1.00 /\) reduction ratio
* Enlargement: Main/Sub scan: Less than \(\pm 1.00 \%\)
<White reference correction>
Turn the main power Off and On. The white and black reference will be corrected automatically with this procedure.
<Squareness (Skew) adjustment>

\section*{(4) Note}
- Do this procedure after adjusting the image area with SP2-109: pattern 14 - trimming area.
- Method for checking
1. Set the test chart on the exposure glass, select a feed tray and start copying.
2. Count the number of horizontal bars in the two corners of the copy image area. There should be the same number.

<Abnormal: upward to the right>

w_d1772007
- Method for adjusting
1. Turn Off the [Power] key and the main power switch, then disconnect the plug.
2. Remove the Operation panel.(page \(4-14\), page \(4-20\) )
3. Remove the Scanner left cover (page 4-29)
4. Loosen the screws [A] securing the scanner. ( \(\mathrm{C}^{\circ} \times 7\) )
5. For images that shifted upward to the right, rotate the adjusting cam \([B]\) clockwise to lower the inside of the scanner.
6. For images that shifted upward to the left, rotate the adjusting cam \([B]\) counterclockwise to raise the inside of the scanner.
(1) Note
- The adjusting amount of the cam is 0.5 mm steps.
7. Tighten the screws [A] that were loosened in step 4.
8. Put the operation panel and covers back into their original places. (After adjustment, be sure to check that output images are normal).


\section*{ADF image adjustment}
<Registration adjustment>
1. Create a test chart shown below with A3 paper.

2. Set the test chart in the ADF. Select a feed tray that has A3 paper, and start copying.
3. Check \([A]\) and \([B]\). If they are out of the standard range, adjust it with SP6-006 (ADF Adjustment)
- A: \(4.2 \pm 2 \mathrm{~mm}\)
- B: \(2 \pm 1 \mathrm{~mm}\)
\begin{tabular}{|l|l|l|}
\hline \multicolumn{1}{|c|}{ SP No. } & \multicolumn{1}{|c|}{ SP Name } & \multicolumn{1}{c|}{ Range } \\
\hline SP6-006-001 & Side-to-Side Regist: Front & \(\pm 3.0 \mathrm{~mm}\) \\
\hline SP6-006-003 & Side-to-Side Regist: Rear & \(\pm 5.0 \mathrm{~mm}\) \\
\hline SP6-006-005 & Leading Edge Registration & \(\pm 3.0 \mathrm{~mm}\) \\
\hline SP6-006-006 & Buckle: Duplex Rear & \(\pm 2.5 \mathrm{~mm}\) \\
\hline SP6-006-007 & Rear Edge Erase & \(\pm 10.0 \mathrm{~mm}\) \\
\hline
\end{tabular}
<Sub scan magnification adjustment>
1. Set the same test chart as the one used in the Registration adjustment in the ADF. Select a feed tray that has A3 paper, and start copying.
2. Check whether the Sub scan magnification is within the standard range. If not, adjust it with SP6-017-001(ADF Magnification Adj.).

Standard (Magnification tolerance)
* Same Size: Sub scan: \(\pm 5.0 \%\)
* Reduction: Sub scan: \(\pm 1.00 \%\)
* Enlargement: Sub scan: \(\pm 1.00 \%\)

\section*{TROUBLESHOOTING}
\begin{tabular}{|l|l|l|}
\hline \multicolumn{3}{|c|}{ REVISION HISTORY } \\
\hline Page & Date & Added/Updated/New \\
\hline & & None \\
\hline
\end{tabular}

\section*{5. TROUBLESHOOTING}

\subsection*{5.1 SELF-DIAGNOSTIC MODE}

\subsection*{5.1.1 SERVICE CALL CODES}

\section*{Service Call Conditions}
\begin{tabular}{|c|c|c|c|}
\hline Pattern & Display & How to reset & SC call or SC alarm in customer support system \\
\hline A & The SC is displayed on the operation panel, and the machine cannot be used (safety-related SC). & \begin{tabular}{l}
Execute CE reset SP mode, and switch main power from OFF to ON. \\
\(\triangle\) CAUTION \\
- When canceling a fusing unit SC, (SC544-00/SC554-00/SC564-00/SC574 -00), perform part replacement in accordance with the above procedure.
\end{tabular} & Occurrence \& alarm count Immediate alarm \\
\hline B & When a function is selected, the SC is displayed on the operation panel, and the machine cannot be used (down-time mitigation). & Switch the user reset power key or main power switch OFF to ON. & Occurrence \& alarm count Power OFF \(\rightarrow\) ON Alarm count and alarm only if recurrence \\
\hline C & No display on the operation panel, and use is permitted. & Count only logging. & \begin{tabular}{l}
Occurrence \\
Logging count \& alarm count
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Pattern & Display & How to reset & SC call or SC alarm in customer support system \\
\hline D & The SC is displayed on the operation panel, and the machine cannot be used (machine-error SC). & Switch user reset power key or main power switch OFF to ON. & \begin{tabular}{l}
Occurrence \& alarm count \(\downarrow\) Power supply
\[
\text { OFF } \rightarrow \text { ON }
\] \\
Alarm count and alarm only if recurrence
\end{tabular} \\
\hline
\end{tabular}

\section*{Wote}
- When an ordinary SC (type D) is generated, an automatic reboot is performed. When an event is reported by the customer support system, even in the event of an ordinary SC, reboot is not performed. During automatic reboot, a confirmation screen is displayed after the reboot.
- When automatic reboot occurs twice continuously, an SC is displayed without rebooting, and logging count is performed. Also, when an SMC print is output, an * mark is added alongside the SC number for clarity.
- Automatic reboot can be enabled or disabled with SP5-875-001 (SC automatic reboot setting) (default value: ON).

\subsection*{5.1.2 SC LOGGING}

When an SC is generated, the "total count value when the SC is generated" and the "SC code" are logged. However, if the total count value during the SC is the same as last time, logging is not performed.

Logged data can be checked by outputting an administrative report (SMC print). The SC history is logged up to the last 10 entries, and if there are more than 10 entries, data are progressively deleted starting from the oldest.

\subsection*{5.1.3 SC AUTOMATIC REBOOT}

When an ordinary SC (pattern D) is generated, automatically reboot is performed. Automatic reboot or reboot by user operation can be set by SP5-875-001 (SC automatic reboot setting out) (default value: 0 "Automatic reboot").
When a type D occurs, automatic reboot is done or the machine display asks the customer if it can reboot. However, when the SC occurs twice in a short time, the machine sends a report to the @Remote server without rebooting. This is because just rebooting may not be a good solution if an SC occurs twice.

When an automatic reboot is performed, a confirmation screen is displayed after reboot. The confirmation screen can be cancelled by pressing the [OK] key (display is not cancelled only when the main power switch is switched OFF to ON).

\section*{Screen display during reboot}
- Status display on the current screen
- Post-processing ...... Post-processing during printing, etc.
- Automatic reboot .... After operation end Post-processing


Until automatic reboot
믐ำ
- Reset key (Reboot key)

Key to perform reboot
\# Cancel key is not displayed.
- Turn on spanner LED (same as when an SC is generated).

\section*{Operation during SC reboot}
- Timing of SC reboot

When @Remote is enabled, and when a NRS alarm*1 is not generated, the corresponding SC is the object of an automatic reboot.
*1 NRS alarm: Issued when an ordinary SC (type D) is generated twice while the total counter counts 10 times.
- Time to automatic reboot

Reboot is performed 30 seconds after an engine reboot is possible, after the end of post-processing during printing, etc.
At that time, a reboot is performed even if the MFP is operating. The engine does not start process control when a reboot is possible.
- Automatic reboot

See the flowchart below.


\section*{Controller self-diagnosis outline}

Controller self-diagnosis includes 3 types, i.e., "ordinary self-diagnosis", "detailed self-diagnosis", and "SC detection". "Ordinary self-diagnosis" is diagnosis performed for every power ON, and "detailed self-diagnosis" is diagnosis treated as part of the service tools. "SC detection" detects mechanical faults when power is switched on or when the machine is operating.

\section*{Detailed self-diagnosis - Method}
1. After attaching the option "extension 1284 board" to the controller board, connect the
conversion connector provided.
2. Set a loop back connector in the reference Centronics I/F.
3. Press the main power supply switch while simultaneously pressing the "\#" and "./* key. The display changes to the following screen, and self-diagnosis starts.

4. After the end of detailed self-diagnosis, a "Self-diagnosis results report" is automatically printed.

\section*{( \()\) Note}
- If a Centronics loopback connector is not fitted, a Centronics diagnosis error (SC 835) is generated.
- Loop-back connector: G0219350

\section*{Controller self-diagnosis flowchart}





\subsection*{5.2 SERVICE CALL 101-195}

\subsection*{5.2.1 SC100 (ENGINE: SCANNING)}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[t]{4}{*}{SC101-01} & \multirow[t]{4}{*}{D} & Lamp Error (Scanning) \\
\hline & & The white level peak did not reach the prescribed threshold when the white guide plate was scanned. \\
\hline & & \begin{tabular}{l}
- LED defective \\
- IDB (LED driver) defective \\
- SBU defective \\
- IPU defective \\
- Power/signal harness defective \\
- Condensation in scanner unit \\
- Mirrors or lenses dirty or positioned incorrectly \\
- White guide plate dirty or installed incorrectly
\end{tabular} \\
\hline & & \begin{tabular}{l}
1. Turn the power off/on. \\
2. Perform the following operations: \\
- Reconnect the power/signal harness. \\
- Reattach/clean the mirrors/lenses. \\
- Reattach/clean the white plate. \\
- Clean the white guide plate. \\
3. Replace the following parts: \\
- Replace the LED board. \\
- Replace the IDB board or SIO board. \\
- Replace the SBU board. \\
- Replace the IPU board. \\
- Replace the power/signal harness.
\end{tabular} \\
\hline \multirow[t]{3}{*}{-02} & \multirow[t]{3}{*}{D} & Lamp Error (LED illumination adjustment) \\
\hline & & LED error was detected. \\
\hline & & \begin{tabular}{l}
- LED defective \\
- IDB (LED driver) defective \\
- Power/signal harness defective
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline & & \begin{tabular}{l}
1. Turn the power off/on. \\
2. Perform the following operations: \\
- Reconnect the power/signal harness. \\
3. Replace the following parts: \\
- Replace the LED board. \\
- Replace the IDB board or SIO board. \\
- Replace the power/signal harness.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[t]{4}{*}{SC102-00} & \multirow[t]{4}{*}{D} & LED Illumination Adjustment Error \\
\hline & & The white level peak reached the prescribed threshold when the white plate was scanned after a specified number of adjustments. \\
\hline & & \begin{tabular}{l}
- LED defective \\
- IDB (LED driver) defective \\
- SBU defective \\
- IPU defective \\
- Power/signal harness defective
\end{tabular} \\
\hline & & \begin{tabular}{l}
1. Turn the power off/on. \\
2. Reconnect the power/signal harness. \\
3. Replace the following parts: \\
- Replace the LED board. \\
- Replace the SBU board. \\
- Replace the IDB board or SIO board. \\
- Replace the IPU board. \\
- Replace the power/signal harness.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[t]{4}{*}{SC120-00} & \multirow[t]{4}{*}{D} & Scanner Home Position Error 1 \\
\hline & & \begin{tabular}{l}
The scanner home position sensor does not go OFF. \\
Details: \\
Error detection timing \\
- During homing (when the machine is turned ON or when it returns from energy save mode) \\
- During an automatic adjustment (when the machine is turned ON or when it returns from energy save mode) \\
- During a scan from the ADF or exposure glass.
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Scanner motor driver defective \\
- Scanner motor defective \\
- Scanner HP sensor defective \\
- Harness defective \\
- Timing belt, pulley, wire, or carriage not installed correctly
\end{tabular} \\
\hline & & \begin{tabular}{l}
Replace the following parts: \\
- Replace the HP sensor \\
- Replace the scanner motor \\
- Replace the harness.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[t]{3}{*}{SC121-00} & \multirow[t]{3}{*}{D} & Scanner Home Position Error 2 \\
\hline & & \begin{tabular}{l}
The scanner home position sensor does not go ON. Details: \\
Error detection timing \\
- During homing \\
- During an automatic adjustment \\
- During a scan from the ADF or exposure glass.
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Scanner motor driver defective \\
- Scanner motor defective \\
- Scanner HP sensor defective \\
- Harness defective \\
- Timing belt, pulley, wire, or carriage not installed correctly
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|}
\hline SC No. & Level & \multicolumn{1}{c|}{ Error Name/Error Condition/Major Cause/Solution } \\
\hline & & \begin{tabular}{ll} 
Replace the following parts: \\
& \\
& \\
& \\
& Replace the home position sensor \\
Replace the scanner motor & Replace the harness.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[t]{4}{*}{SC141-00} & \multirow[t]{4}{*}{D} & Black level detection error \\
\hline & & The black level cannot be adjusted within the target during auto gain control. \\
\hline & & \begin{tabular}{l}
- SBU defective \\
- IPU defective \\
- Power/signal harness defective
\end{tabular} \\
\hline & & \begin{tabular}{l}
1. Turn the power off/on. \\
2. Reconnect the power/signal harness. \\
3. Replace the following parts: \\
- Replace the SBU board. \\
- Replace the IPU board. \\
- Replace the power/signal harness.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[t]{3}{*}{SC142-00} & \multirow[t]{3}{*}{D} & White level detection error \\
\hline & & The white level cannot be adjusted to the second target level within the target during auto gain control. \\
\hline & & \begin{tabular}{l}
- SBU defective \\
- LED defective \\
- IDB (LED driver) defective \\
- IPU defective \\
- Power/signal harness defective \\
- Scanner drive error \\
- Condensation in scanner unit \\
- Mirrors or lenses dirty or positioned incorrectly \\
- White plate dirty or installed incorrectly
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline & & \begin{tabular}{l}
1. Turn the power off/on. \\
2. Perform the following operations: \\
- Reconnect the power/signal harness. \\
- Reattach/clean the mirrors/lenses. \\
- Reattach/clean the white plate. \\
3. Replace the following parts: \\
- Replace the SBU board. \\
- Replace the LED board. \\
- Replace the IDB board. \\
- Replace the IPU board. \\
- Replace the SIO board. \\
- Replace the power/signal harness.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[t]{4}{*}{SC144-00} & \multirow[t]{4}{*}{D} & SBU Communication Error \\
\hline & & \begin{tabular}{l}
- Connection to SBU cannot be confirmed. (Connection detection error) \\
- Cannot communicate with the SBU, or the communication result is abnormal.
\end{tabular} \\
\hline & & \begin{tabular}{l}
- SBU defective \\
- The other side of the communication (BCU, IPU etc.) defective \\
- Power/signal harness defective
\end{tabular} \\
\hline & & \begin{tabular}{l}
1. Turn the power off/on. \\
2. Reconnect the power/signal harness. \\
3. Replace the following parts: \\
- Replace the SBU board. \\
- Replace the IPU board. \\
- Replace the BCU board. \\
- Replace the power/signal harness.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[t]{4}{*}{SC161-01} & \multirow[t]{4}{*}{D} & IPU Error (LSYNC abnormal) \\
\hline & & An error occurred during the self-diagnostic test performed every time the machine is turned on, or returns to full operation from energy save mode. \\
\hline & & \begin{tabular}{l}
- IPU board defective (ASIC connection failure, ASIC abnormal, etc.) \\
- Cable between SBU and IPU defective
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Replace the IPU board. \\
- Check the cable between SBU and IPU
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|l|}
\hline SC No. & Level & \multicolumn{1}{c|}{ Error Name/Error Condition/Major Cause/Solution } \\
\hline SC161-02 & D & IPU error \\
\cline { 3 - 5 } & & The machine detects an error during an access to the IPU. \\
\cline { 4 - 5 } & & IPU board defective (IPU response abnormal, etc.) \\
\cline { 3 - 4 } & & Replace the IPU board. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[t]{4}{*}{SC165-00} & \multirow[t]{4}{*}{D} & Copy data security unit error \\
\hline & & \begin{tabular}{l}
- The copy data security option is enabled in the User Tools but the option board is detected as missing or defective. \\
- The copy data security option was detected as defective when the machine was turned on or returned from energy save mode.
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Copy data security unit board not installed correctly \\
- Copy data security unit board defective
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Reinstall the copy data security unit board. \\
- Replace the copy data security unit board.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[t]{4}{*}{SC195-00} & \multirow[t]{4}{*}{D} & Machine serial number error \\
\hline & & Comparison of the product identification code in the machine serial number (11 digits). \\
\hline & & The product identification code in the machine serial number (11 digits) does not match. \\
\hline & & Re-enter the machine serial number. \\
\hline
\end{tabular}

\subsection*{5.3 SERVICE CALL 201-285}
5.3.1 SC200 (ENGINE: IMAGE WRITING)
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[t]{4}{*}{SC201-00} & \multirow[t]{4}{*}{D} & Polygon Motor Error \\
\hline & & XSCRDY signal (Polygon ready) Error \\
\hline & & \begin{tabular}{l}
- I/F harness for Polygon Motor Driver is broken/contact failure \\
- Polygon Motor/Polygon Motor Driver failure \\
- Driving pulse from Polygon Motor output abnormally (Polygon controller area) \\
- Unable to monitor XSCRDY signal (Polygon controller area)
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Cycle the main power On/Off \\
- Replace the polygon motor \\
- Replace the laser unit \\
- Replace the I/F harness \\
- Replace the IPU
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[t]{3}{*}{SC202-00} & \multirow[t]{3}{*}{D} & Polygon Motor: ON Timeout Error \\
\hline & & After the polygon motor turned on, or within T1 sec. after the rpm's changed, the motor did not enter READY status. \\
\hline & & \begin{tabular}{l}
- The interface harness to the polygon motor driver damaged or not connected correctly. \\
- Polygon motor or polygon motor driver defective \\
- Polygon motor drive pulse cannot be output correctly. (Polygon controller) \\
- XSCRDY signal observation failing (Polygon controller)
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|}
\hline SC No. & Level & \multicolumn{1}{c|}{ Error Name/Error Condition/Major Cause/Solution } \\
\hline & & - \\
\hline & & Turn the power off/on \\
& & Replace the LSU or polygon motor \\
& & Replace the polygon harness \\
& Replace the IPU board \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[t]{4}{*}{SC203-00} & \multirow[t]{4}{*}{D} & Polygon Motor: OFF Timeout Error \\
\hline & & \begin{tabular}{l}
The XSCRDY signal (polygon ready) never becomes inactive \\
\((\mathrm{H})\) within 3 sec . after the polygon motor went OFF.
\end{tabular} \\
\hline & & \begin{tabular}{l}
- The interface harness to the polygon motor driver damaged or not connected correctly. \\
- Polygon motor or polygon motor driver defective \\
- Polygon motor drive pulse cannot be output correctly. (Polygon controller) \\
- XSCRDY signal observation failing (Polygon controller)
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Turn the power off/on \\
- Replace the LSU or polygon motor \\
- Replace the polygon harness \\
- Replace the IPU board
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[t]{4}{*}{SC204-00} & \multirow[t]{4}{*}{D} & Polygon Motor: XSCRDY Signal Error \\
\hline & & \begin{tabular}{l}
During polygon motor rotation, the XSCRDY signal was inactive \\
(H) for longer than one rotation of the polygon.
\end{tabular} \\
\hline & & \begin{tabular}{l}
- The interface harness to the polygon motor driver damaged or not connected correctly. \\
- Polygon motor or polygon motor driver defective
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Turn the power off/on \\
- Replace the LSU or polygon motor \\
- Replace the polygon harness \\
- Replace the IPU board
\end{tabular} \\
\hline
\end{tabular}

\begin{tabular}{|c|c|l|}
\hline SC No. & Level & \multicolumn{1}{|c|}{ Error Name/Error Condition/Major Cause/Solution } \\
\hline SC230-01 & D & FGATE ON error: Bk \\
\hline SC230-02 & D & FGATE ON error: Cy \\
\hline SC230-03 & D & FGATE ON error: Ma \\
\hline SC230-04 & D & FGATE ON error: Ye \\
\hline & & \begin{tabular}{l} 
The FGATE signal did not turn ON within T1 sec. after the \\
writing process of the corresponding color started.
\end{tabular} \\
\cline { 2 - 4 } & \begin{tabular}{ll} 
- GAVD defective \\
- & \begin{tabular}{l} 
Image processing ASIC defective \\
- BCU, controller board not connected correctly or defective \\
- Harness between IPU and LDB defective
\end{tabular} \\
\hline
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|l|l|ll|}
\hline SC No. & Level & \multicolumn{1}{c|}{ Error Name/Error Condition/Major Cause/Solution } \\
\hline & & - & Turn the power off/on \\
& & \(=\) & Replace the IPU board \\
& & Replace the controller board \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline SC231-01 & D & FGATE OFF error: Bk \\
\hline SC231-02 & D & FGATE OFF error: Cy \\
\hline SC231-03 & D & FGATE OFF error: Ma \\
\hline SC231-04 & D & FGATE OFF error: Ye \\
\hline \multirow[t]{3}{*}{} & \multirow[t]{3}{*}{} & \begin{tabular}{l}
- The FGATE signal did not turn OFF within T1 sec. after the writing process of the corresponding color ended. \\
- The FGATE signal did not turn OFF when the next job of the corresponding color started.
\end{tabular} \\
\hline & & \begin{tabular}{l}
- GAVD defective \\
- Image processing ASIC defective
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Turn the power off/on. \\
- Replace the IPU board. \\
- Replace the controller board.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|l|}
\hline SC No. & Level & \multicolumn{1}{|c|}{ Error Name/Error Condition/Major Cause/Solution } \\
\hline SC240-01 & D & LD error: Bk \\
\hline SC240-04 & D & LD error: Ma \\
\hline & & \begin{tabular}{l} 
- If LD error terminal of LD driver of corresponding color is \\
asserted after LD initialization. \\
If an error is detected during initialization of P-MAC which \\
detects Ith/leta of LD of corresponding color.
\end{tabular} \\
\cline { 2 - 4 } & & \begin{tabular}{l} 
LD degradation (LD broken, shift of output characteristics \\
etc.)
\end{tabular} \\
Ihe interface harness damaged or not connected correctly. \\
- LD driver defective
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline & & \begin{tabular}{l}
- Cycle the main power off/on \\
- Replace the LD unit \\
- Replace the harness \\
- Replace the IPU board
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline SC272-01 & D & LD driver communication error: Bk \\
\hline SC272-02 & D & LD driver communication error: Cy \\
\hline SC272-03 & D & LD driver communication error: Ma \\
\hline SC272-04 & D & LD driver communication error: Ye \\
\hline SC272-10 & D & LD driver communication error: Other \\
\hline \multirow[t]{3}{*}{} & & In view of parity, 3 retries were performed \\
\hline & & \begin{tabular}{l}
- IPU defective \\
- Harness defective \\
- LDB defective
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Cycle the main power off/on \\
- Replace the LD unit \\
- Replace the harness \\
- Replace the IPU board
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[t]{3}{*}{SC285-00} & \multirow[t]{3}{*}{C} & MUSIC error \\
\hline & & The results of MUSIC pattern reading failed 4 times. (even if mode e (real time MUSIC) fails, the error count is not incremented (+1)) \\
\hline & & \begin{tabular}{l}
- TM sensor defective \\
- ITB defective \\
- PCU defective \\
- LD unit defective \\
- MUSIC pattern density thin
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|}
\hline SC No. & \multicolumn{1}{|c|}{ Level } & \multicolumn{1}{c|}{ Error Name/Error Condition/Major Cause/Solution } \\
\hline & & - \\
\hline & & ITB reset \\
& & - \\
& & PCU reset \\
& & Toner replenishment \\
& & Replace the TM (ID) sensor \\
& & Replace the ITB \\
& & Replace the PCU \\
& & Replace the LD unit \\
\hline
\end{tabular}

\subsection*{5.4 SERVICE CALL 324-396}

\subsection*{5.4.1 SC300 (ENGINE: CHARGE, DEVELOPMENT)}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[t]{4}{*}{SC324-01} & \multirow[t]{4}{*}{D} & Development motor: Bk: Lock \\
\hline & & Lock signals are observed at 2 sec intervals during motor ON, and a High level is detected at least 20 times \\
\hline & & \begin{tabular}{l}
- Motor defective \\
- Connector disconnected \\
- Harness broken \\
- IOB defective \\
- Development unit torque increased
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Replace the motor \\
- Reconnect the connector \\
- Replace the harness \\
- Replace the IOB \\
- Replace the development unit \\
- Replace the drive unit
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[t]{3}{*}{SC324-05} & \multirow[t]{3}{*}{D} & Development motor: CMY: Lock \\
\hline & & Lock signals are observed at 2 sec intervals during motor ON, and a High level is detected at least 20 times \\
\hline & & \begin{tabular}{l}
- Motor defective \\
- Connector disconnected \\
- Harness broken \\
- IOB defective \\
- Development unit torque increased
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline & & \begin{tabular}{l}
- Replace the motor \\
- Reconnect the connector \\
- Replace the harness \\
- Replace the IOB \\
- Replace the development unit
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline SC360-01 & D & TD sensor adjustment error (K) \\
\hline SC360-02 & D & TD sensor adjustment error (C) \\
\hline SC360-03 & D & TD sensor adjustment error (M) \\
\hline SC360-04 & D & TD sensor adjustment error (Y) \\
\hline \multirow[t]{3}{*}{} & & During TD sensor initialization, the TD sensor output voltage (Vt) cannot be adjusted to the target range (target value \(\pm 0.2 \mathrm{~V}\), SP3-030-031 to 034) for 3 times consecutively. \\
\hline & & \begin{tabular}{l}
- TD sensor defective \\
- Loose connection \\
- Harness broken \\
- Developer toner density differs from initial developer
\end{tabular} \\
\hline & & - Replace the development unit. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|l|}
\hline SC No. & Level & \multicolumn{1}{|c|}{ Error Name/Error Condition/Major Cause/Solution } \\
\hline SC361-01 & D & TD sensor output error: Upper Limit (K) \\
\hline SC361-02 & D & TD sensor output error: Upper Limit (C) \\
\hline SC361-03 & D & TD sensor output error: Upper Limit (M) \\
\hline SC361-04 & D & TD sensor output error: Upper Limit (Y) \\
\hline & & \begin{tabular}{l} 
TD sensor output: Vt (SP3-210-001 to 004) > output upper limit \\
error threshold (SP3-211-002) continuously exceeded the upper \\
limit occurrence threshold value (SP3-211-003).
\end{tabular} \\
\cline { 3 - 5 } & & TD sensor connector dropout (connection fault)
\end{tabular}
\begin{tabular}{|l|l|l|}
\hline SC No. & Level & \multicolumn{1}{c|}{ Error Name/Error Condition/Major Cause/Solution } \\
\hline & & \begin{tabular}{ll} 
1. \begin{tabular}{l} 
TD sensor connector missing check \\
2. \\
Check whether there is any error in the TD sensor harness \\
(disconnection, etc.)
\end{tabular} \\
& 3. If the sensor is defective, replace the development unit.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline SC362-01 & D & TD sensor output error: Lower limit (K) \\
\hline SC362-02 & D & TD sensor output error: Lower limit (C) \\
\hline SC362-03 & D & TD sensor output error: Lower limit (M) \\
\hline SC362-04 & D & TD sensor output error: Lower limit (Y) \\
\hline \multirow[t]{3}{*}{} & & TD sensor output: Vt (SP3-210-001-004) < output lower limit error threshold (SP3-211-004) is continuously below the lower limit occurrence threshold value (SP3-211-005) \\
\hline & & TD sensor connector missing/dropout \\
\hline & & \begin{tabular}{l}
1. TD sensor connector missing check \\
2. Check whether there is any error in the TD sensor harness (disconnection, etc.) \\
3. If the sensor is defective, replace the development unit.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|l|}
\hline SC No. & Level & \multicolumn{1}{|c|}{ Error Name/Error Condition/Major Cause/Solution } \\
\hline SC370-01 & D & TM (ID) sensor calibration error (F) \\
\hline SC370-02 & D & TM (ID) sensor calibration error (C) \\
\hline SC370-03 & D & TM (ID) sensor calibration error (R) \\
\hline & & \begin{tabular}{l} 
Regular reflection optical output voltage of the Front or Center or \\
Rear TM (ID) sensor: Vsg_reg cannot be adjusted to within \\
target range. \\
Upper limit (SP3-320-013: initial value 4.5V) \\
Lower limit (SP3-320-014: initial value 3.5V)
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[t]{2}{*}{} & \multirow[t]{2}{*}{} & \begin{tabular}{l}
- TM (ID) sensor connector missing/ connection fault \\
- TM (ID) sensor detection window dirt \\
- TM (ID) sensor malfunction \\
- Undulation in the ITB, or belt slippage
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Remove image transfer unit, and check for TM (ID) sensor connector missing. If it is missing, reconnect it. \\
- Check for dirt on the ID sensor detection window. If te detection window is dirty, clean by predetermined method (do not wipe dry). \\
- Check the condition of the ITB. If undulation or belt slippage has occurred, re-install or replace the ITB. \\
- If neither of the above have occurred, perform TM (ID) sensor replacement
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[t]{4}{*}{SC396-05} & \multirow[t]{4}{*}{D} & Drum motor (CMY) Lock \\
\hline & & Lock signals are observed at 2 sec intervals during motor ON, and a High level is detected at least 20 times. \\
\hline & & \begin{tabular}{l}
- Motor defective \\
- Connector disconnected \\
- Harness broken \\
- IOB defective \\
- Unit torque increased.
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Replace the motor \\
- Reconnect the connector \\
- Replace the harness \\
- Replace the IOB \\
- Replace the PCDU
\end{tabular} \\
\hline
\end{tabular}

\subsection*{5.5 SERVICE CALL 441-498}

\subsection*{5.5.1 SC400 (ENGINE: AROUND THE DRUM)}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[t]{4}{*}{SC441-00} & \multirow[t]{4}{*}{D} & Drum transfer motor: Lock \\
\hline & & Lock signals are observed at 2 sec intervals during motor ON, and a High level is detected at least 20 times. \\
\hline & & \begin{tabular}{l}
- Motor defective \\
- Connector disconnected \\
- Harness broken \\
- IOB defective \\
- Unit torque increased.
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Replace the motor \\
- Reconnect the connector \\
- Replace the harness \\
- Replace the IOB \\
- Check the load on the motor (PCDU, Image transfer unit, Paper transfer unit, Waste toner bottle). \\
- Replace the PCDU, Image transfer unit, Paper transfer unit or Waste toner bottle.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|l|}
\hline SC No. & Level & \multicolumn{1}{c|}{ Error Name/Error Condition/Major Cause/Solution } \\
\hline SC442-00 & D & \begin{tabular}{l} 
ITB Lift Error
\end{tabular} \\
\cline { 3 - 4 } & & \begin{tabular}{l} 
Even though the ITB lift motor (also Toner supply motor (M)) \\
rotates, the ITB lift sensor failed to detect the specified sensor \\
feeler status within specified time.
\end{tabular} \\
- \begin{tabular}{l} 
Contact/separation operation: If not detected in 2000msec \\
Uome position operation: If not detected in 5000msec \\
Signal detection sampling period: 10 msec
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[t]{2}{*}{} & & \begin{tabular}{l}
- Image transfer unit not set/faulty setting \\
- Sensor dirt \\
- Sensor defective \\
- Motor defective \\
- Unit load large
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Reset the Image transfer unit \\
- Clean the sensor \\
- Replace the sensor \\
- Replace the contact/separation drive unit \\
- Replace the image transfer unit \\
- Check the harness
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[t]{4}{*}{SC452-00} & \multirow[t]{4}{*}{D} & Paper transfer contact motor error \\
\hline & & \begin{tabular}{l}
Paper transfer contact motor: position sensor cannot detect the sensor filler state within the predetermined time (see below) even if the paper transfer contact motor is rotated. \\
- Contact operation: If not detected in 2000msec \\
- Home position operation: If not detected in 5000 msec \\
Signal detection sampling period: 10 msec
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Sensor dirt \\
- Sensor defection \\
- Motor defection \\
- Unit load large
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Replace the contact drive unit \\
- Replace the image transfer unit \\
- Check the harness
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline SC491-00 & D & High voltage power source: charge/development: output error \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[t]{3}{*}{} & \multirow[t]{3}{*}{} & SC detection signal (charge/development) is L (abnormal) for 200 ms consecutively during high voltage (charge/development) output. \\
\hline & & \begin{tabular}{l}
H/W error \\
- Output contact setting fault \\
- Controller connector set fault \\
- Ground fault of output high voltage path \\
- Surface/air clearance insufficient (arc discharge) \\
- Controller harness disconnection, short-circuit \\
- PCU setting fault \\
- Control board _IOB error (related signal error) \\
- HVP_CB error \\
Load error \\
- Grounding fault of charging output, short-circuit with other outputs \\
- Surface/air clearance insufficient in charging output path (including distance from other outputs) \\
- Abnormal deterioration of drum, and over current due to pinholes \\
- Drum vs charge roller gap error (PCU error). \\
- Over current due to drum surface condensation \\
- Grounding fault of developing output, short-circuit with other outputs \\
- Surface/air clearance insufficient in developing output path (including distance from other outputs) \\
- Other
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Cycle the main power off/on \\
- Reset or replace the harness of high voltage power supply feed path \\
- Reset or replace the harness between IOB-HVP_CB \\
- Reset or replace the PCU \\
- Check the operation of the contact mechanism \\
- Replace the HVP_CB \\
- Replace the IOB
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[t]{4}{*}{SC492-00} & \multirow[t]{4}{*}{C} & High voltage power source: image transfer/paper transfer: output error \\
\hline & & SC detection signal (transfer) is L (abnormal) for 200 ms consecutively during high voltage (transfer) output. \\
\hline & & \begin{tabular}{l}
H/W error \\
- Output power connector setting fault \\
- Controller connector setting fault \\
- Output high voltage Harness disconnection \\
- Controller harness disconnection, short-circuit \\
- Transfer unit setting fault \\
- Control board_IOB error (related signal error) \\
- HVP_TTS error \\
Load error \\
- Increase in paper transfer roller impedance (low temperature environment/impedance rise/impedance rise due to dirt) \\
- Operation fault of paper transfer contact mechanism \\
- Increase in image transfer belt impedance \\
- Opening in load power supply path
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Reset or replacement the harness of high voltage power supply feed path \\
- Reset or replace the harness between IOB-HVP_TTS \\
- Reset or replace the transfer unit \\
- Check operation of the contact mechanism \\
- Replace the HVP_TTS \\
- Replace the IOB
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[t]{4}{*}{SC493-00} & \multirow[t]{4}{*}{D} & High voltage power source: DS development: output error \\
\hline & & "HVP:DS:output error detection signal" is detected "0" (abnormal) for 10 times consecutively (for 200ms) during output of the PWM signal used as an error detection target \\
\hline & & \begin{tabular}{l}
- Leak harness fault \\
- Unit fault \\
- High voltage power source fault
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Turn the power off/on \\
- Reset or replacement the harness of high voltage power supply feed path \\
- Reset or replace the unit \\
- Replace the high voltage power source
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[t]{4}{*}{SC497-00} & \multirow[t]{4}{*}{C} & Machine temperature detection thermistor error \\
\hline & & Temperature sensor output error: Below 0.56 V ( 90 degrees or more), or above 3.0V (below - 18 degrees) \\
\hline & & \begin{tabular}{l}
- Connector disconnection or broken \\
- Sensor defective
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Check the sensor setting \\
- Replace the imaging temperature sensor (thermistor)
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[t]{4}{*}{SC498-00} & \multirow[t]{4}{*}{C} & Temperature and humidity sensor error \\
\hline & & Temperature sensor output error: Below 0.76 V , or above 2.90 V , or Moisture sensor output error: more than 2.4 V \\
\hline & & \begin{tabular}{l}
- Sensor not setting (disconnection or broken) \\
- Sensor defective
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Check the sensor setting \\
- Replace the sensor
\end{tabular} \\
\hline
\end{tabular}

\subsection*{5.6 SERVICE CALL 501-584}

\subsection*{5.6.1 SC500 (ENGINE: PAPER TRANSPORT 1: PAPER FEED, DUPLEX, TRANSPORT)}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[t]{4}{*}{SC501-01} & \multirow[t]{4}{*}{B} & 1st Tray Lift Error \\
\hline & & The 1st tray lift motor error detection count reaches 3. (Up to 2, reset is displayed) \\
\hline & & \begin{tabular}{l}
- 1st tray limit sensor connector missing, malfunction, dirt \\
- 1st tray lift motor connector missing, disconnection, malfunction. \\
- Foreign matter, such as paper scrap, is caught between the paper feed tray and the tray lift motor. \\
- Paper set fault
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Reset the paper \\
- Remove the foreign matter \\
1st tray limit sensor, 1st tray lift motor \\
- Check the harness \\
- Reset the connector \\
- Replacement \\
1st paper feed unit, 1st tray \\
- Replacement \\
Paper transport IOB \\
- Replacement
\end{tabular} \\
\hline \multirow[t]{2}{*}{SC501-02} & \multirow[t]{2}{*}{B} & 1st Tray Lowering Error \\
\hline & & The 1st tray descent motor error detection count reaches 5 . (Up to 4, reset is displayed) \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline & & \begin{tabular}{l}
- 1st tray limit sensor connector missing, malfunction, dirt \\
- 1st tray lift motor connector missing, disconnection, malfunction \\
- Foreign matter, such as paper scrap, is caught between the paper feed tray and the tray lift motor. \\
- Paper set fault \\
- Paper overload
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Reset the paper \\
- Remove the foreign matter \\
1st tray limit sensor, 1st tray lift motor \\
- Check the harness \\
- Reset the connector \\
- Replacement \\
1st paper feed unit, 1st tray \\
- Replacement \\
Paper transport IOB \\
- Replacement
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[t]{3}{*}{SC502-01} & \multirow[t]{3}{*}{B} & 2nd Tray Lift Error \\
\hline & & The 2nd tray lift motor error detection count reaches 3. (Up to 2, reset is displayed) \\
\hline & & \begin{tabular}{l}
- 2nd tray limit sensor connector missing, malfunction, dirt \\
- 2nd tray lift motor connector missing, disconnection, malfunction \\
- Foreign matter, such as paper scrap, is caught between the paper feed tray and the tray lift motor \\
- Paper set fault
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline & & \begin{tabular}{l}
- Reset the paper \\
- Remove the foreign matter \\
2nd tray limit sensor, 2nd tray lift motor \\
- Check the harness \\
- Reset the connector \\
- Replacement \\
2nd paper feed unit, 2nd tray \\
- Replacement \\
Paper transport IOB \\
- Replacement
\end{tabular} \\
\hline \multirow[t]{4}{*}{SC502-02} & \multirow[t]{4}{*}{B} & 2nd Tray Lowering Error \\
\hline & & \begin{tabular}{l}
The detection count of 2nd tray descent motor descent errors reaches a total of 5 . \\
(Up to 4, reset is displayed)
\end{tabular} \\
\hline & & \begin{tabular}{l}
- The 2nd paper feed tray limit sensor connector missing, malfunction, and dirt \\
- 2nd tray lift motor connector missing, disconnection, malfunction \\
- Foreign matter, such as paper scrap, is caught between the paper feed tray and the tray lift motor \\
- Paper set fault \\
- Paper overload
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Reset the paper \\
- Remove the foreign matter \\
2nd tray limit sensor, 2nd tray lift motor \\
- Check the harness \\
- Reset the connector \\
- Replacement \\
2nd paper feed unit, 2nd tray \\
- Replacement \\
Paper transport IOB \\
- Replacement
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[t]{4}{*}{SC503-01} & \multirow[t]{4}{*}{B} & 3rd Tray Lift Error (single bank) \\
\hline & & \begin{tabular}{l}
- Lift motor ascent error detection \\
During tray initialization (upper limit not detected/lower limit detection), the tray base plate is raised to check the tray base plate position, and the limit sensor is not detected although a predetermined time elapsed, for 3 times consecutively. \\
(Up to 2 times consecutively, the bank transmits a "tray set fault" to the main machine)
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Lift motor error/connector missing \\
- Limit sensor error/connector missing \\
- Harness broken \\
- Bank control board defective \\
- Foreign matter, such as paper scrap, is caught between the paper feed tray and the tray lift motor \\
- Paper set fault
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Reset the paper \\
- Remove the foreign matter \\
- Replace the motor \\
- Reset the connector \\
- Replace the harness \\
- Replace the sensor \\
- Replace the control board for the optional paper feed tray \\
- Replace the tray \\
- Replace the paper feed roller \\
- Replace the pick-up arm
\end{tabular} \\
\hline & & 3rd Tray Lowering Error (single bank) \\
\hline SC503-02 & B & \begin{tabular}{l}
- Lift motor descent error detection \\
During tray initialization, the tray base plate is lowered to check the tray base plate position, and the limit sensor is detected although a predetermined time elapsed, for 3 times consecutively. \\
(Up to 2 times consecutively, the bank transmits a "tray set fault" to the main machine)
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline & & \begin{tabular}{l}
- Lift motor error/connector missing \\
- Limit sensor error/connector missing \\
- Harness broken \\
- Bank control board defective \\
- Paper overload \\
- Foreign matter, such as paper scrap, is caught between the paper feed tray and the tray lift motor \\
- Paper set fault \\
- Reset the paper \\
- Remove the foreign matter \\
- Replace the motor \\
- Reset the connector \\
- Replace the harness \\
- Replace the sensor \\
- Replace the control board for the optional paper feed tray \\
- Replace the tray \\
- Replace the paper feed roller \\
- Replace the pick-up arm
\end{tabular} \\
\hline \multirow{3}{*}{SC503-11} & \multirow{3}{*}{B} & 3rd Tray Lift Error (double bank, upper tray) \\
\hline & & \begin{tabular}{l}
- Lift motor ascent error detection \\
During tray initialization (upper limit not detected/lower limit detection), the tray base plate is raised to check the tray base plate position, and the limit sensor is not detected although a predetermined time elapsed, for 3 times consecutively. (Up to 2 times consecutively, the bank transmits a "tray set fault" to the main machine)
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Lift motor error/connector missing \\
- Limit sensor error/connector missing \\
- Harness broken \\
- Bank control board defective \\
- Foreign matter, such as paper scrap, is caught between the paper feed tray and the tray lift motor \\
- Paper set fault
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline & & \begin{tabular}{l}
- Reset the paper \\
- Remove the foreign matter \\
- Replace the motor \\
- Reset the connector \\
- Replace the harness \\
- Replace the sensor \\
- Replace the control board for the optional paper feed tray \\
- Replace the tray \\
- Replace the paper feed roller \\
- Replace the pick-up arm
\end{tabular} \\
\hline \multirow{4}{*}{SC503-12} & \multirow{4}{*}{B} & 3rd Tray Lowering Error (double bank, upper tray) \\
\hline & & \begin{tabular}{l}
- Lift motor descent error detection \\
During tray initialization, the tray base plate is lowered to check the tray base plate position; the limit sensor is detected although a predetermined time elapsed, for 3 times consecutively. \\
(Up to 2 times consecutively, the bank transmits a "tray set fault" to the main machine)
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Lift motor error/connector missing \\
- Limit sensor error/connector missing \\
- Harness broken \\
- Bank control board defective \\
- Paper overload \\
- Foreign matter, such as paper scrap, is caught between the paper feed tray and the tray lift motor \\
- Paper set fault
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Reset the paper \\
- Remove the foreign matter \\
- Replace the motor \\
- Reset the connector \\
- Replace the harness \\
- Replace the sensor \\
- Replace the control board for the optional paper feed tray \\
- Replace the tray \\
- Replace the paper feed roller \\
- Replace the pick-up arm
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline & & 3rd Tray Lift Error (LCIT) \\
\hline SC503-31 & B & \begin{tabular}{l}
- Upper limit detection error (during descent) \\
During tray initialization (upper limit detection/lower limit not detected), the tray base plate is lowered to check the tray base plate position, and the limit sensor is detected although a predetermined time elapsed, for 3 times consecutively. \\
- Upper limit detection error (during ascent) \\
During tray initialization (upper limit not detected/lower limit detection), the tray base plate is raised to check the tray base plate position, and the limit sensor is not detected although a predetermined time elapsed, for 3 times consecutively. \\
(Up to 2 times consecutively, LCIT transmits "tray set fault" to the main machine)
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Lift motor error/connector missing \\
- Limit sensor error/connector missing \\
- Harness broken \\
- Bank control board defective \\
- Foreign matter, such as paper scrap, is caught between the right tray and the tray lift motor \\
- Paper set fault \\
- Timing belt damage/dropout \\
- Timing pulley damage/dropout \\
- Base plate damage/horizontality fault \\
- Paper feed roller missing item \\
- Pickup arm damage \\
- Foreign matter, such as paper scrap, is caught inside the right tray
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline & & \begin{tabular}{l}
- Reset the paper \\
- Remove the foreign matter \\
- Replace the motor \\
- Reset the connector \\
- Replace the harness \\
- Replace the sensor \\
- Replace the control board for the optional paper feed tray \\
- Replace the tray \\
- Replace the paper feed roller \\
- Replace the pick-up arm \\
- Replace the timing belt \\
- Replace the timing pulley \\
- Replace the base plate
\end{tabular} \\
\hline \multirow[b]{2}{*}{SC503-32} & \multirow[b]{2}{*}{B} & 3rd Tray Lowering Error (LCIT) \\
\hline & & \begin{tabular}{l}
- Lower limit detection error (during descent) \\
During tray initialization (upper limit not detected/lower eject limit detection), the tray base plate is lowered to check the tray base plate position, and the lower limit sensor is not detected although a predetermined time elapsed. \\
Alternatively, at paper end, the tray base plate is lowered, but the lower limit sensor is not detected although a predetermined time elapsed. \\
- Lower limit error (during ascent) \\
During tray initialization (upper limit eject detection/lower limit detection), the tray base plate is raised to check the tray base plate position, and the lower limit sensor is detected although a predetermined time elapsed. \\
*If an error occurs 3 times consecutively: LCIT transmits "3rd tray lower limit detection error" to the main machine. Up to 2 times consecutively, LCIT transmits "tray set fault" to the main machine.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline & & \begin{tabular}{l}
- Lift motor error/connector missing \\
- Lower limit sensor error/connector missing \\
- Harness broken \\
- Bank control board defective \\
- Foreign matter, such as paper scrap, is caught between the right tray and the tray lift motor \\
- Paper set fault \\
- Timing belt damage/dropout \\
- Timing pulley damage/dropout \\
- Base plate damage/horizontality fault \\
- Foreign matter, such as paper scrap, is caught inside the right tray \\
- Reset the paper \\
- Remove the foreign matter \\
- Replace the motor \\
- Reset the connector \\
- Replace the harness \\
- Replace the sensor \\
- Replace the control board for the optional paper feed tray \\
- Replace the tray \\
- Replace the timing belt \\
- Replace the timing pulley \\
- Replace the base plate
\end{tabular} \\
\hline & & 3rd Tray Paper Overload Error (LCIT) \\
\hline SC503-33 & B & \begin{tabular}{l}
During tray initialization, both the upper limit and lower limit are detected 3 times consecutively. \\
(Up to 2 times consecutively, LCIT transmits "tray set fault" to the main machine)
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline & & \begin{tabular}{l}
- Paper overload \\
- Paper set fault \\
- Limit sensor error/connector missing \\
- Lower limit sensor error/connector missing \\
- Harness broken \\
- Bank control board defective \\
- Foreign matter, such as paper scrap, is caught inside the right tray \\
- Reset the paper \\
- Remove the foreign matter \\
- Reset the connector \\
- Replace the harness \\
- Replace the sensor \\
- Replace the control board for the optional paper feed tray
\end{tabular} \\
\hline \multirow{4}{*}{SC503-34} & \multirow{4}{*}{B} & 3rd Tray Paper Position Error (LCIT) \\
\hline & & \begin{tabular}{l}
During left/right tray set, or when power is switched ON, or when transfer is complete, "open" is detected 3 times consecutively by end fence open/close detection. \\
(Up to 2 times consecutively, LCIT transmits "tray set fault" to the main machine)
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Paper set fault (paper is offset from position for pushing end fence) \\
- Foreign matter entry (foreign matter is caught in the position for pushing end fence) \\
- End fence open/close sensor error/connector missing \\
- Harness broken \\
- Bank control board defective
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Reset the paper \\
- Remove the foreign matter \\
- Reset the connector \\
- Replace the harness \\
- Replace the sensor \\
- Replace the control board for the optional paper feed tray
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[b]{3}{*}{SC503-35} & \multirow[b]{3}{*}{B} & 3rd Tray Transfer Error (LCIT) \\
\hline & & \begin{tabular}{l}
- Transfer end detection error \\
At right tray paper end (right tray lower limit detection, left tray paper detection), left tray paper is transferred to the right tray, but the left tray paper sensor is detected although a predetermined time elapsed (transfer paper missing is not detected), for 3 times consecutively. \\
(Up to 2 times consecutively, LCIT transmits "tray set fault" to the main machine)
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Transfer motor error/connector missing \\
- Left tray paper sensor error/connector missing \\
- Harness broken \\
- Bank control board defective \\
- Paper overload \\
- Foreign matter, such as paper scrap, is caught between the left tray and the tray transfer motor \\
- Paper set fault \\
- Timing belt damage/dropout \\
- Timing pulley damage/dropout \\
- Transfer fence defective \\
- Foreign matter, such as paper scrap, is caught inside the left tray
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Replace the motor \\
- Reset the connector \\
- Replace the harness \\
- Replace the sensor \\
- Replace the control board for the optional paper feed tray \\
- Reset the paper \\
- Remove the foreign matter \\
- Replace the tray \\
- Replace the timing belt \\
- Replace the timing pulley \\
- Replace the end fence of the left tray
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline & & 3rd Tray Transfer HP Error (LCIT) \\
\hline SC503-36 & B & \begin{tabular}{l}
- HP detection error (during transfer start) \\
At right tray paper end (right tray lower limit detection, left tray paper detection), left tray paper is transferred to the right tray, but the left tray transfer fence HP sensor is detected although a predetermined time elapsed (HP sensor missing cannot be detected) \\
- HP detection error (during transfer fence HP return) During left tray transfer fence HP not detected (stop after paper transfer, during power supply ON, during left tray set), the left tray transfer fence is moved to HP, but the left tray HP sensor is not detected although a predetermined time elapsed. \\
*If an error occurs 3 times consecutively: LCIT transmits "3rd paper feed tray transfer HP error" to the main machine. (Up to 2 times consecutively, LCIT transmits "tray set fault" to the main machine)
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Transfer motor error/connector missing \\
- Left tray transfer fence HP sensor error/connector missing \\
- Harness broken \\
- Bank control board defective \\
- Paper overload \\
- Foreign matter, such as paper scrap, is caught between the left tray and the tray transport motor \\
- Paper set fault \\
- Timing belt damage/dropout \\
- Timing pulley damage/dropout \\
- Transfer fence defective \\
- Foreign matter, such as paper scrap, is caught inside the left tray
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline & & \begin{tabular}{l}
- Replace the motor \\
- Reset the connector \\
- Replace the harness \\
- Replace the sensor \\
- Replace the control board for the optional paper feed tray \\
- Reset the paper \\
- Remove the foreign matter \\
- Replace the tray \\
- Replace the timing belt \\
- Replace the timing pulley \\
- Replace the end fence of the left tray
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|l|}
\hline SC No. & Level & \multicolumn{1}{c|}{ Error Name/Error Condition/Major Cause/Solution } \\
\hline SC504-21 & B & 4th Tray Lift Error (double bank, lower tray)
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline & & \begin{tabular}{l}
- Reset the paper \\
- Remove the foreign matter \\
- Replace the motor \\
- Reset the connector \\
- Replace the harness \\
- Replace the sensor \\
- Replace the control board for the optional paper feed tray \\
- Replace the tray \\
- Replace the paper feed roller \\
- Replace the pick-up arm
\end{tabular} \\
\hline \multirow{3}{*}{SC504-22} & \multirow{3}{*}{B} & 4th Tray Lowering Error (double bank, lower tray) \\
\hline & & \begin{tabular}{l}
- Lift motor descent error detection \\
During tray initialization, the tray base plate is lowered to check the tray base plate position, but the limit sensor is detected although a predetermined time elapsed, for 3 times consecutively. \\
(Up to 2 times consecutively, the bank transmits a "tray set fault" to the main machine)
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Lift motor error/connector missing \\
- Limit sensor error/connector missing \\
- Harness broken \\
- Bank control board defective \\
- Paper overload \\
- Foreign matter, such as paper scrap, is caught between the paper feed tray and the tray lift motor \\
- Paper set fault
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline & & \begin{tabular}{l}
- Reset the paper \\
- Remove the foreign matter \\
- Replace the motor \\
- Reset the connector \\
- Replace the harness \\
- Replace the sensor \\
- Replace the control board for the optional paper feed tray \\
- Replace the tray \\
- Replace the paper feed roller \\
- Replace the pick-up arm
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[t]{2}{*}{SC505-41} & B & Side LCIT Limit Detection Error \\
\hline & & \begin{tabular}{l}
- Upper limit detection error (during descent) \\
During tray initialization (upper limit detection/lower limit not detected), the tray base plate is lowered to check the tray base plate position, but the limit sensor is detected although a predetermined time elapsed. \\
- Upper limit detection error (during ascent) \\
During tray initialization (upper limit not detected /lower limit detection), the tray base plate is raised to check the tray base plate position, but the limit sensor is not detected although a predetermined time elapsed. *If an error occurs for 3 times consecutively: the side LCIT transmits a "5th paper feed tray upper limit detection error" to the main machine. \\
Up to 2 times consecutively, the side LCIT transmits a "tray set fault" to the main machine.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline & & \begin{tabular}{l}
- Lift motor error/connector missing \\
- Limit sensor error/connector missing \\
- Harness broken \\
- Bank control board defective \\
- Paper set fault \\
- Timing belt damage/dropout \\
- Timing pulley damage/dropout \\
- Base plate damage/horizontality fault \\
- Paper feed roller missing item \\
- Pickup arm defective \\
- Foreign matter, such as paper scrap, is caught inside the tray
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Reset the paper \\
- Remove the foreign matter \\
- Replace the motor \\
- Reset the connector \\
- Replace the harness \\
- Replace the sensor \\
- Replace the control board for the optional side LCT \\
- Replace the tray \\
- Replace the paper feed roller \\
- Replace the pick-up arm \\
- Replace the timing belt \\
- Replace the timing pulley \\
- Replace the base plate
\end{tabular} \\
\hline SC505-42 & B & Side LCIT Lower Limit Detection Error \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline & & \begin{tabular}{l}
- Lower limit detection error (during descent) \\
During tray initialization (upper limit not detected /lower limit eject detection), the tray base plate is lowered to check the tray base plate position, but the lower limit sensor is not detected although a predetermined time elapsed. \\
Alternatively, at paper end, the tray base plate is lowered, but the lower limit sensor is not detected although a predetermined time elapsed. \\
- Lower limit detection error (during ascent) \\
During tray initialization (upper limit not detected/lower limit detection), the tray base plate is raised to check the tray base plate position, but the lower limit sensor is detected although a predetermined time elapsed. \\
*If an error occurs for 3 times consecutively: the side LCIT transmits a "5th paper feed tray upper limit detection error" to the main machine. \\
Up to 2 times consecutively, the side LCIT transmits a "tray set fault" to the main machine.
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Lift motor error/connector missing \\
- Lower limit sensor error/connector missing \\
- Harness broken \\
- Bank control board defective \\
- Paper set fault \\
- Timing belt damage/dropout \\
- Timing pulley damage/dropout \\
- Base plate damage/horizontality fault \\
- Foreign matter, such as paper scrap, is caught inside the tray
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline & & \begin{tabular}{l}
- Reset the paper \\
- Remove the foreign matter \\
- Replace the motor \\
- Reset the connector \\
- Replace the harness \\
- Replace the sensor \\
- Replace the control board for the optional side LCT \\
- Replace the tray \\
- Replace the timing belt \\
- Replace the timing pulley \\
- Replace the base plate
\end{tabular} \\
\hline \multirow{4}{*}{SC505-43} & \multirow{4}{*}{B} & Side LCIT Paper Overload Error \\
\hline & & During tray initialization, both the upper limit and lower limit are detected for 3 times consecutively (up to 2 times consecutively, the side LCIT transmits a "tray set fault" to the main machine. \\
\hline & & \begin{tabular}{l}
- Paper overload \\
- Paper set fault \\
- Limit sensor error/connector missing \\
- Lower limit sensor error/connector missing \\
- Harness broken \\
- Bank control board defective \\
- Foreign matter, such as paper scrap, is caught inside the tray
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Reset the paper \\
- Remove the foreign matter \\
- Reset the connector \\
- Replace the harness \\
- Replace the sensor \\
- Replace the control board for the optional side LCT
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline SC520-01 & C & Registration Motor: Lock \\
\hline SC520-02 & C & Paper feed Motor: Lock \\
\hline SC520-03 & C & Transport Motor: Lock \\
\hline \multirow[t]{3}{*}{} & & During motor ON, after checking the motor error notification registers (err_velo and err_posi) for 500 msec , the error state of either register was detected at least 5 times. \\
\hline & & \begin{tabular}{l}
- Motor defective \\
- Connector disconnected \\
- Harness broken \\
- IOB defective \\
- Encoder defective
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Replace the motor \\
- Reset the connector \\
- Replace the harness \\
- Replace the IOB
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline SC521-01 & C & Duplex Entrance Motor: Lock \\
\hline SC521-02 & C & Duplex By-pass Motor: Lock \\
\hline \multirow[t]{2}{*}{} & & During motor ON, after checking the motor error notification registers (err_velo and err_posi) for 500 msec , the error state of either register was detected at least 5 times. \\
\hline & & \begin{tabular}{l}
- Motor defective \\
- Connector disconnected \\
- Harness broken \\
- IOB defective \\
- Encoder defective
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|}
\hline SC No. & Level & \multicolumn{1}{c|}{ Error Name/Error Condition/Major Cause/Solution } \\
\hline & & \begin{tabular}{ll} 
Replace the motor \\
& \\
& \\
& \\
& \\
& Reset the connector \\
& Replace the harness \\
Replace the IOB
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[t]{4}{*}{SC522-00} & \multirow[t]{4}{*}{C} & Paper Exit Motor: Lock \\
\hline & & During motor ON, after checking the motor error notification registers (err_velo and err_posi) for 500 msec , the error state of either register was detected at least 5 times. \\
\hline & & \begin{tabular}{l}
- Motor defective \\
- Connector disconnected \\
- Harness broken \\
- IOB defective \\
- Encoder defective
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Replace the motor \\
- Reset the connector \\
- Replace the harness \\
- Replace the IOB
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[t]{3}{*}{SC530-00} & \multirow[t]{3}{*}{D} & Fusing Exhaust Heat Fan Lock \\
\hline & & \begin{tabular}{l}
In the motor ON state, the value of the lock sensor is checked every 100 msec . \\
If a lock signal is not obtained for 50 times consecutively.
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Motor defective \\
- Connector disconnected \\
- Harness broken \\
- IOB defective
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|}
\hline SC No. & Level & \multicolumn{1}{c|}{ Error Name/Error Condition/Major Cause/Solution } \\
\hline & & \begin{tabular}{ll} 
- & Replace the fusing exhaust heat fan \\
& \\
& \\
& \\
& \\
& Reset the connector \\
Replace the harness \\
Replace the IOB
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline SC531-01 & D & Development Intake Fan/Right Lock \\
\hline SC531-02 & D & Development Intake Fan/Left Lock \\
\hline SC531-03 & D & Drive Cooling Fan Lock \\
\hline \multirow[t]{3}{*}{} & & \begin{tabular}{l}
In the motor ON state, the value of the lock sensor is checked every 100 msec . \\
If a lock signal is not obtained for 50 times consecutively.
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Motor defective \\
- Connector disconnected \\
- Harness broken \\
- IOB defective
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Replace the development intake fan/right for SC531-01, development intake fan/left for SC531-02 or drive cooling fan for SC531-03 \\
- Reset the connector \\
- Replace the harness \\
- Replace the IOB
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|l|}
\hline SC No. & Level & \multicolumn{1}{|c|}{ Error Name/Error Condition/Major Cause/Solution } \\
\hline SC533-01 & D & PSU Exhaust Heat Fan Lock \\
\hline SC533-03 & D & PSU Cooling Fan Lock \\
\hline SC533-04 & D & Controller Box Cooling Fan Lock \\
\hline & & \begin{tabular}{l} 
In the motor ON state, the value of the lock sensor is checked \\
every 100msec. \\
If a lock signal is not obtained for 50 times consecutively.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline & & \begin{tabular}{l}
- Motor defective \\
- Connector disconnected \\
- Harness broken \\
- IOB defective
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Replace the PSU exhaust fan for SC533-01, PSU cooling fan for SC533-04 or controller box cooling fan for SC533-04 \\
- Reset the connector \\
- Replace the harness \\
- Replace the IOB
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline SC534-01 & D & Main Exhaust Fan Lock \\
\hline SC534-02 & D & Toner Supply Cooling Fan Lock \\
\hline SC534-03 & D & Ozone Exhaust Fan Lock \\
\hline \multirow[t]{3}{*}{} & \multirow[t]{3}{*}{} & \begin{tabular}{l}
In the motor ON state, the value of the lock sensor is checked every 100 msec . \\
If a lock signal is not obtained for 50 times consecutively.
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Motor defective \\
- Connector disconnected \\
- Harness broken \\
- IOB defective
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Replace the development intake fan/right for SC531-01, development intake fan/left for SC531-02 or drive cooling fan for SC531-03 \\
- Reset the connector \\
- Replace the harness \\
- Replace the IOB
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[t]{4}{*}{SC535-00} & \multirow[t]{4}{*}{D} & Paper Exit Cooling Fan Lock \\
\hline & & \begin{tabular}{l}
In the motor ON state, the value of the lock sensor is checked every 100 msec . \\
If a lock signal is not obtained for 50 times consecutively.
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Motor defective \\
- Connector disconnected \\
- Harness broken \\
- IOB defective
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Replace the paper exit cooling fan \\
- Reset the connector \\
- Replace the harness \\
- Replace the IOB
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[t]{4}{*}{SC540-00} & \multirow[t]{4}{*}{D} & Fusing Motor: Lock \\
\hline & & During motor ON, after checking lock signals for 2 sec , a High level was detected at least 20 times. \\
\hline & & \begin{tabular}{l}
- Motor defective \\
- Connector disconnected \\
- Harness broken \\
- IOB defective \\
- Unit torque increased
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Replace the fusing motor \\
- Reset the connector \\
- Replace the harness \\
- Replace the IOB
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[t]{4}{*}{SC541-01} & \multirow[t]{4}{*}{A} & Fusing Central Thermopile Disconnection \\
\hline & & Below - 50 degrees C (or below CB ) is detected for ( t 11 ) seconds continuously. \\
\hline & & \begin{tabular}{l}
- disconnection \\
- Connector disconnected
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Replace the thermopile \\
- Reset the connector \\
- Replace the connector
\end{tabular} \\
\hline \multirow{4}{*}{SC541-02} & \multirow{4}{*}{A} & Central NC Sensor Disconnection \\
\hline & & 3ED - 3FF (FB voltage: \(3.243 \mathrm{~V}-3.300 \mathrm{~V}\) ) is detected for ( t 13 ) seconds continuously (NC sensor center: detection \& compensation NC sensor edge: detection \& compensation). Detection period: 100 ms , detection frequency: 10 times or more. \\
\hline & & \begin{tabular}{l}
- NC sensor disconnection \\
- Connector disconnected
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Reset the NC sensor \\
- Reset the connector \\
- Replace the connector
\end{tabular} \\
\hline \multirow{4}{*}{SC541-03} & \multirow{4}{*}{A} & Central NC sensor short-circuit \\
\hline & & \begin{tabular}{l}
AD value: 0-13 (FB voltage: \(0.000 \mathrm{~V}-0.041 \mathrm{~V}\) ) (*3) is detected for (t14) seconds continuously. \\
Detection period: 100 ms , detection frequency: 10 times or more.
\end{tabular} \\
\hline & & \begin{tabular}{l}
- NC short-circuit \\
- Connector disconnected
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Reset the NC sensor \\
- Reset the connector \\
- Replace the connector
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[t]{2}{*}{SC542-02} & \multirow[t]{2}{*}{A} & Fusing central thermopile does not reload \\
\hline & & (T21) degrees C not reached after heater 1 ON for (t3) seconds \\
\hline \multirow[t]{4}{*}{SC542-03} & \multirow[t]{4}{*}{A} & Fusing central thermopile does not reload \\
\hline & & Heating central reload permission temperature not reached after heater 1 ON for (t311) seconds. \\
\hline & & \begin{tabular}{l}
- Thermopile lens dirt \\
- Thermopile modification/float \\
- Outside input voltage guarantee \\
- After excessive temperature rise prevention unit operation
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Replace the thermopile \\
- Check that the input voltage is within acceptable limits
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[t]{4}{*}{SC543-00} & \multirow[t]{4}{*}{A} & Fusing central thermopile high temperature detection (software) \\
\hline & & \begin{tabular}{l}
Above (T3) degrees \(C\) detected for (t4) seconds continuously. \\
Detection period 100 ms , detection count: 10 times or more.
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Triac short-circuit \\
- IOB board defective \\
- BCU board defective
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Replace the IOB board \\
- Replace the BCU board \\
- Replace the fusing unit
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[t]{4}{*}{SC544-01} & \multirow[t]{4}{*}{A} & Fusing central thermopile high temperature detection (hardware) \\
\hline & & In the event of an error \\
\hline & & \begin{tabular}{l}
- Triac defective (short-circuit) \\
- Engine controller defective \\
- Heating central thermopile defective \\
- Fusing control software: out of control
\end{tabular} \\
\hline & & \begin{tabular}{l}
- If the triac is defective, replace the AC power supply board \\
- If necessary, replace the BCU or the heating central thermopile
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[t]{4}{*}{SC544-02} & \multirow[t]{4}{*}{A} & Fusing central NC sensor high temperature detection (hardware) \\
\hline & & In the event of an error \\
\hline & & \begin{tabular}{l}
- Triac defective (short-circuit) \\
- Engine controller defective \\
- Heating central thermopile defective \\
- Fusing control software: out of control
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Attach the new fusing unit, then run SP-5-810-002 \\
- If the triac is defective, replace the AC power supply board \\
- If necessary, replace the BCU or the Fusing central NC sensor
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[t]{4}{*}{SC545-00} & \multirow[t]{4}{*}{A} & Fusing central heater continuously Heat \\
\hline & & \begin{tabular}{l}
After waiting for full power for more than (t6) seconds continuously, not detected for (t8) seconds. \\
- Definition of heater full power \\
Continuously heating rate set point (maximum heating rate) \\
- Measurement start point \\
After reload (after heater extinguished, after rotation complete) below the standby temperature (target temperature), measurement starts after a heater heat-up request is issued. \\
- Measurement stop condition \\
Rotation started due to a print signal during measurement or other. \\
- Maximum heat-up Duty (SP interlinked value) 0\% is excluded.
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Thermistor deformation/float \\
- Heater disconnection \\
- After excessive temperature rise prevention unit operates
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Replace the thermistor \\
- Replace the fusing lamp \\
- Replace the fusing unit
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[t]{4}{*}{SC547-01} & \multirow[t]{4}{*}{D} & Zero cross error (relay-contact soldering) \\
\hline & & In the event of an error \\
\hline & & \begin{tabular}{l}
- Fusing relay defective (contact soldering) \\
- Fusing relay drive circuit fault
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Turn the main power supply switch OFF/ON \\
- If the fusing relay is damaged, replace the PSU (AC Controller Board) \\
- Check the connection between PSU (AC Controller Board) and control board, and replace harness and board if necessary
\end{tabular} \\
\hline \multirow[b]{4}{*}{SC547-02} & \multirow[b]{4}{*}{D} & Zero cross error (relay contact fault) \\
\hline & & In the event of an error \\
\hline & & \begin{tabular}{l}
- Fusing relay damage (contact open) \\
- Fusing relay drive circuit fault \\
- PSU fuse (24VS) blowout
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Turn the main power supply switch OFF/ON \\
- If the fusing relay is damaged, replace the PSU (AC Controller Board) \\
- Check the connection between PSU (AC Controller Board) and control board, and replace harness and board if necessary \\
- If the PSU (AC Controller Board) fuse (24VS) blows out, replace the fuse
\end{tabular} \\
\hline \multirow{3}{*}{SC547-03} & \multirow{3}{*}{D} & Zero cross error (low-frequency error) \\
\hline & & In the event of an error \\
\hline & & Frequency instability of commercial power line \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|}
\hline SC No. & Level & \multicolumn{1}{c|}{ Error Name/Error Condition/Major Cause/Solution } \\
\hline & & - \begin{tabular}{l} 
Turn the main power supply switch OFF/ON \\
\\
\end{tabular} \\
& \begin{tabular}{l} 
Check the power source \\
Check the connection between PSU (AC Controller Board) \\
and control board, and replace harness and board if \\
necessary
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[t]{2}{*}{SC549-01} & \multirow[t]{2}{*}{D} & Shield Operation Error Detection \\
\hline & & During HP detection operation, shield sensors 1 and 2 detect "High" for (t30) seconds continuously. \\
\hline \multirow[t]{2}{*}{SC549-02} & \multirow[t]{2}{*}{D} & Shield Operation Error Detection \\
\hline & & During shield basic operation, shield sensor 2 does not go "Low \(>\) High" even if (t31) seconds elapsed from screen motor rotation start. \\
\hline \multirow[b]{2}{*}{SC549-03} & \multirow[b]{2}{*}{D} & Shield Operation Error Detection \\
\hline & & During shield basic operation, shield motor does not stop even if (t32) seconds elapsed from rotation start. \\
\hline \multirow[b]{2}{*}{SC549-04} & \multirow[b]{2}{*}{D} & Shield Operation Error Detection \\
\hline & & During HP detection operation, HP detection fails 3 times consecutively. \\
\hline \multirow[t]{2}{*}{} & \multirow[t]{2}{*}{} & \begin{tabular}{l}
- Motor defective \\
- Sensor defective \\
- Sensor actuator/feeler modification/defective \\
- Shield modification/defective
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Replace the motor \\
- Replace the HP sensor \\
- Replace the fusing unit
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[t]{4}{*}{SC551-01} & \multirow[t]{4}{*}{A} & Fusing Edge Thermopile Disconnection \\
\hline & & Below - 50 degrees \(C\) (or below \(C B\) ) is detected for ( t 11 ) seconds continuously. \\
\hline & & \begin{tabular}{l}
- Thermopile disconnection \\
- Connector disconnected
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Replace the thermopile \\
- Reset the connector \\
- Replace the connector \\
- Replace the fusing unit
\end{tabular} \\
\hline \multirow[t]{4}{*}{SC551-02} & \multirow[t]{4}{*}{A} & Edge NC Sensor Disconnection \\
\hline & & 3ED - 3FF (FB voltage: \(3.243 \mathrm{~V}-3.300 \mathrm{~V}\) ) is detected for ( t 13 ) seconds continuously (NC sensor center: detection \& compensation NC sensor edge: detection \& compensation). Detection period: 100 ms , detection frequency: 10 times or more. \\
\hline & & \begin{tabular}{l}
- NC sensor disconnection \\
- Connector disconnected
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Replace the NC sensor \\
- Reset the connector \\
- Replace the connector \\
- Replace the fusing unit
\end{tabular} \\
\hline \multirow{3}{*}{SC551-03} & \multirow{3}{*}{A} & Edge NC Sensor Short-circuit \\
\hline & & \begin{tabular}{l}
AD value: 0-13 (FB voltage: \(0.000 \mathrm{~V}-0.041 \mathrm{~V}\) ) (*3) is detected for (t14) seconds continuously. \\
Detection period: 100 ms , detection frequency: 10 times or more.
\end{tabular} \\
\hline & & \begin{tabular}{l}
- NC sensor short-circuit \\
- Connector disconnected
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|l|l|ll|}
\hline SC No. & Level & \multicolumn{1}{c|}{ Error Name/Error Condition/Major Cause/Solution } \\
\hline & & - & Replace the NC sensor \\
& & - & Reset the connector \\
& & Replace the connector \\
& - & Replace the fusing unit
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[t]{2}{*}{SC552-02} & \multirow[t]{2}{*}{A} & Fusing Central Thermopile Does Not Reload \\
\hline & & (T21) degrees C not reached after heater 1 ON for (t3) seconds. \\
\hline \multirow[t]{2}{*}{SC552-03} & \multirow[t]{2}{*}{A} & Fusing Central Thermopile Does Not Reload \\
\hline & & Heating edge reload permission temperature not reached after heater 1 ON for (t312) seconds. \\
\hline \multirow[t]{2}{*}{} & \multirow[t]{2}{*}{} & \begin{tabular}{l}
- Thermopile lens dirt \\
- Thermopile modification, float \\
- Outside input voltage guarantee \\
- After excessive temperature rise prevention unit operation
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Replace the thermopile. \\
- Make sure that the input voltage is within acceptable limits. \\
- Replace the fusing unit.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[t]{4}{*}{SC553-00} & \multirow[t]{4}{*}{A} & Fusing End Thermopile High Temperature Detection (software) \\
\hline & & Above (T3) degrees C detected for (t4) seconds continuously. Detection period: 100 ms , detection count: 10 times or more. \\
\hline & & \begin{tabular}{l}
- Triac short-circuit \\
- IOB defective \\
- BCU defective
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Replace the IOB \\
- Replace the BCU \\
- Replace the fusing unit
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[t]{4}{*}{SC554-01} & \multirow[t]{4}{*}{A} & Fusing end thermopile high temperature detection (hardware) \\
\hline & & In the event of an error \\
\hline & & \begin{tabular}{l}
- Triac defective (short-circuit) \\
- Engine controller defective \\
- Heating edge thermopile defective \\
- Fusing control software: out of control
\end{tabular} \\
\hline & & \begin{tabular}{l}
- If the triac is defective, replace the AC power supply board \\
- If necessary, replace the BCU or heating edge thermopile
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[t]{4}{*}{SC554-02} & \multirow[t]{4}{*}{A} & Fusing end NC sensor high temperature detection (hardware) \\
\hline & & In the event of an error \\
\hline & & \begin{tabular}{l}
- Triac defective (short-circuit) \\
- Engine controller defective \\
- Heating edge thermopile defective \\
- Fusing control software: out of control
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Attach the new fusing unit, then run SP-5-810-002 \\
- If necessary, replace the BCU or Fusing edge NC sensor
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[t]{4}{*}{SC555-00} & \multirow[t]{4}{*}{D} & Fusing Edge Heater Continuously Heat \\
\hline & & \begin{tabular}{l}
After waiting for full power for more than (t6) seconds continuously, not detected for (t8) seconds. \\
- Definition of heater full power \\
Continuously heating rate set point (maximum heating rate) \\
- Measurement start point \\
After reload (after heater extinguished, after rotation complete) below the standby temperature (target temperature), measurement starts after a heater heat-up request is issued. \\
- Measurement stop condition \\
Rotation started due to a print signal during measurement or other \\
- Maximum heat-up Duty (SP interlinked value) 0\% is excluded
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Thermistor deformation/float \\
- Heater disconnection \\
- After excess temperature rise prevention unit operation
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Replace the thermistor \\
- Replace the fusing lamp \\
- Replace the fusing unit
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|l|}
\hline SC No. & Level & \multicolumn{1}{c|}{ Error Name/Error Condition/Major Cause/Solution } \\
\hline \multirow{4}{*}{ SC557-00 } & C & Zero Cross Frequency Exceeded \\
\cline { 3 - 4 } & & In the event of an error \\
\cline { 3 - 4 } & & Frequency instability of commercial power line/Noise \\
\cline { 3 - 4 } & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[t]{4}{*}{SC559-00} & \multirow[t]{4}{*}{A} & Fusing Jam Detected for 3 Times Consecutively \\
\hline & & \begin{tabular}{l}
Fusing jam (does not reach fusing exit sensor) is detected for 3 times consecutively. \\
- Detection conditions \\
Displays the SC559-00 at the time of integrating the counter each time fusing jam occurs, became fusing jam counter value \(=3\). \\
The counter value is retained without fusing jam also reset by OFF/ON the power supply. \\
- Control ON/OFF \\
And enables ON / OFF is this SC, the default is set to OFF, then ON at the time of customer requirements. \\
SP1-142-001 0: OFF (default), 1: ON (Set at the time of customer requirements) \\
- Counter reset condition occurs fusing jam \\
1. Normal paper exit has been done during this continuous fusing jam, fusing jam counter is reset. \\
2. When " 1 " is changed to " 0 " SP1-142-001, to reset the (SP9-912-001) fusing jam counter. \\
When after displaying SC559, SC release is made, reset the (SP9912-001) fusing jam counter.
\end{tabular} \\
\hline & & Fusing unit paper jam \\
\hline & & Remove the jam \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[t]{4}{*}{SC561-00} & \multirow[t]{4}{*}{A} & Pressurized Central Thermistor Disconnection \\
\hline & & \begin{tabular}{l}
Below 0 degree C (or below 3F9) detected for (t12) seconds continuously. \\
Detection period 100 ms , detection count: 10 times or more.
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Thermistor disconnection \\
- Connector disconnected
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Replace the thermistor \\
- Reset the connector \\
- Replace the connector \\
- Replace the fusing unit
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[t]{4}{*}{SC562-02} & \multirow[t]{4}{*}{A} & Pressurized Central Thermistor Does Not Reload \\
\hline & & Does not reach (T21) degree C after heater 1ON for ( t 3 ) seconds. \\
\hline & & \begin{tabular}{l}
- Thermistor dirt \\
- Thermistor deformation, float \\
- Outside input voltage guarantee \\
- After excess temperature rise prevention unit operation
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Replace the thermistor \\
- Make sure that the input voltage is within acceptable limits \\
- Replace the fusing unit
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[t]{4}{*}{SC563-00} & \multirow[t]{4}{*}{A} & Pressurized Central Thermistor High Temperature Detection (software) \\
\hline & & Above (T3) degrees \(C\) detected for ( t 4 ) seconds continuously. Detection period: 100ms, detection count: 10 times or more. \\
\hline & & \begin{tabular}{l}
- Triac short-circuit \\
- IOB defective \\
- BCU defective
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Replace the IOB \\
- Replace the BCU \\
- Replace the fusing unit
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[t]{4}{*}{SC564-00} & \multirow[t]{4}{*}{A} & Pressurized Central Thermistor High Temperature Detection (hardware) \\
\hline & & Above (T4) degrees C detected \\
\hline & & \begin{tabular}{l}
- Triac short-circuit \\
- IOB controller defective \\
- BCU controller defective \\
- Fusing control: out of control
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Replace the IOB \\
- Replace the BCU \\
- Replace the fusing unit
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[t]{4}{*}{SC569-00} & \multirow[t]{4}{*}{D} & Paper Exit/ Pressure Release Motor Error Detection \\
\hline & & Retry operation fails 3 times consecutively. \\
\hline & & \begin{tabular}{l}
- Motor defective \\
- Sensor defective \\
- Filler modification, defective
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Replace the paper exit/ pressure release motor. \\
- Replace the pressure roller HP sensor. \\
- Replace the fusing unit.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[t]{4}{*}{SC571-00} & \multirow[t]{4}{*}{A} & Pressurized Edge Thermistor Disconnection \\
\hline & & \begin{tabular}{l}
Below 0 degree C (or above 3F9) detected for ( t 12 ) continuously. \\
Detection period: 100 ms , detection counts: 10 times or more.
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Thermistor disconnection \\
- Connector disconnected
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Replace the thermistor \\
- Reset the connector \\
- Replace the connector \\
- Replace the fusing unit
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[t]{4}{*}{SC572-04} & \multirow[t]{4}{*}{A} & Pressurized Edge Thermistor Does Not Reload \\
\hline & & After starting continuous job with paper width of 257 mm or more, does not reach (T22) degrees C after ( t 313 ) seconds. \\
\hline & & \begin{tabular}{l}
- Thermistor dirt \\
- Thermistor deformation, float \\
- Outside input voltage guarantee \\
- After excess temperature rise prevention unit operation
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Replace the thermistor \\
- Make sure that the input voltage is within acceptable limits \\
- Replace the fusing unit
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[t]{4}{*}{SC573-00} & \multirow[t]{4}{*}{A} & Pressurized Edge Thermistor High Temperature Detection (software) \\
\hline & & Above (T3) degrees \(C\) detected for (t4) seconds continuously. Detection period: 100ms, detection count: 10 times or more. \\
\hline & & \begin{tabular}{l}
- Triac short-circuit \\
- IOB defective \\
- BCU defective
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Replace the IOB \\
- Replace the BCU \\
- Replace the fusing unit
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[t]{4}{*}{SC574-00} & \multirow[t]{4}{*}{A} & Pressurized Edge Thermistor High Temperature Detection (hardware) \\
\hline & & Above (T4) degrees C detected \\
\hline & & \begin{tabular}{l}
- Triac short-circuit \\
- IOB defective \\
- BCU defective \\
- Fusing control: out of control
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Replace the IOB \\
- Replace the BCU \\
- Replace the fusing unit
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[t]{4}{*}{SC581-00} & \multirow[t]{4}{*}{A} & Pressurized Expanded Edge Thermistor Disconnection \\
\hline & & \begin{tabular}{l}
Below 0 degree C (or above 3F9) detected for ( t 12 ) seconds continuously. \\
Detection period: 100 ms , detection count: 10 times or more.
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Thermistor disconnection \\
- Connector disconnected
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Replace the thermistor \\
- Reset the connector \\
- Replace the connector \\
- Replace the fusing unit
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[t]{4}{*}{SC582-04} & \multirow[t]{4}{*}{A} & Pressurized Expanded Edge Thermistor Does Not Reload \\
\hline & & After starting continuous job with paper width of 257 mm or more, does not reach (T22) degrees C after ( t 313 ) seconds. \\
\hline & & \begin{tabular}{l}
- Thermistor dirt \\
- Thermistor deformation, float \\
- Outside input voltage guarantee \\
- After excess temperature rise prevention unit operation
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Replace the thermistor \\
- Make sure that the input voltage is within acceptable limits \\
- Replace the fusing unit
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[t]{4}{*}{SC583-00} & \multirow[t]{4}{*}{A} & Pressurized Expanded Edge Thermistor High Temperature Detection (software) \\
\hline & & Above (T3) degrees C detected for (t4) seconds continuously. Detection period: 100ms, detection count: 10 times or more. \\
\hline & & \begin{tabular}{l}
- Triac short-circuit \\
- IOB defective \\
- BCU defective
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Replace the IOB \\
- Replace the BCU \\
- Replace the fusing unit
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[t]{4}{*}{SC584-00} & \multirow[t]{4}{*}{A} & Pressurized Expanded Edge Thermistor High Temperature Detection (hardware) \\
\hline & & Above (T4) degrees C detected \\
\hline & & \begin{tabular}{l}
- Triac short-circuit \\
- IOB controller defective \\
- BCU controller defective \\
- Fusing control: out of control
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Replace the IOB \\
- Replace the BCU \\
- Replace the fusing unit
\end{tabular} \\
\hline
\end{tabular}

\subsection*{5.7 SERVICE CALL 620-689}

\subsection*{5.7.1 SC600 (ENGINE: COMMUNICATION AND OTHERS)}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[t]{2}{*}{SC620-01} & \multirow[t]{2}{*}{D} & ADF Communication error \\
\hline & & After ADF connection was recognized on startup, an error is detected. (disconnection detection) \\
\hline \multirow[t]{4}{*}{SC620-02} & \multirow[t]{4}{*}{D} & ADF Communication Error \\
\hline & & After ADF connection was recognized on startup, an error is detected. (Retry out due to communication error) \\
\hline & & \begin{tabular}{l}
- ADF connection fault \\
- ADF defection \\
- IPU board defection \\
- Noise contamination
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Check the ADF cable connection \\
- Replace the ADF \\
- Replace the IPU board
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[t]{4}{*}{SC621-00} & \multirow[t]{4}{*}{D} & Finisher communication error \\
\hline & & \begin{tabular}{l}
- Detected an error when connecting the communication line. \\
- Received a communication error notification from the URAT.
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Finisher control board defective. \\
- BCU defective \\
- IOB defective \\
- Connection fault between finisher and main machine.
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Reconnect the Finisher interface cable \\
- Replace the BCU \\
- Replace the finisher \\
- Turn the power off/on
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[t]{4}{*}{SC622-00} & \multirow[t]{4}{*}{D} & Paper bank communication error \\
\hline & & \begin{tabular}{l}
- Detected an error when connecting the communication line. \\
- Received a communication error notification from the URAT.
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Paper bank control board defective \\
- BCU defective \\
- IOB defective \\
- Paper bank-main machine connection fault
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Reconnect the optional paper tray connection cable \\
- Replace the BCU \\
- Replace the optional paper tray \\
- Turn the power off/on
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[t]{4}{*}{SC623-00} & \multirow[t]{4}{*}{D} & 2nd bank communication error \\
\hline & & \begin{tabular}{l}
During superposition of single bank - double bank, double bank side LICT, and LCIT - side LCIT, \\
1. When the upper bank side recognizes the lower bank, the break of the lower bank is not canceled within t5ms. \\
2. After the upper bank side recognizes the lower bank, there is no ACK within t6ms after transmission of a data frame to the lower bank, and a timeout error occurs for 3 times consecutively even if retransmission is performed \\
(Bank/LCIT transmits "between bank 1 - bank 2: communication error" to the main machine.)
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Bank control board fault \\
- Connector disconnected
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Reset the optional paper tray connecting cable \\
- Replace the BCU \\
- Replace the optional paper tray \\
- Turn the power off/on
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline SC664 & & ASIC on the IOB SRAM program expansion error \\
\hline SC664-01 & D & Access permission error to ASIC on the IOB SRAM (write permission fails) \\
\hline SC664-02 & D & Write error to ASIC on the IOB SRAM (write result error) \\
\hline \multirow[t]{3}{*}{SC664-03} & \multirow[t]{3}{*}{D} & ASIC on the IOB program startup error \\
\hline & & \begin{tabular}{l}
- Noise \\
- Hardware defection
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Replace the imaging IOB and paper transport IOB \\
- Check the harness
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[t]{2}{*}{SC665} & & FFC set detection \\
\hline & & FFC set error is detected by port lead and AD value read-out \\
\hline \multirow[t]{2}{*}{SC665-01} & \multirow[t]{2}{*}{D} & BCU-IPU connection error \\
\hline & & \begin{tabular}{l}
- SC display \\
- LED blink mode correction on BCU
\end{tabular} \\
\hline \multirow[t]{2}{*}{SC665-02} & \multirow[t]{2}{*}{D} & \(B C U\) - imaging IOB connection error \\
\hline & & SC display \\
\hline \multirow[t]{2}{*}{SC665-03} & \multirow[t]{2}{*}{D} & BCU - paper transport IOB connection error \\
\hline & & SC display \\
\hline
\end{tabular}
\begin{tabular}{|c|c|l|}
\hline SC No. & Level & \multicolumn{1}{|c|}{ Error Name/Error Condition/Major Cause/Solution } \\
\hline SC669 & & EEPROM Communication Error \\
\hline SC669-01 & D & EEPROM OPEN: ID error \\
\hline SC669-02 & D & EEPROM OPEN: Channel error \\
\hline SC669-03 & D & EEPROM OPEN: Device error \\
\hline SC669-04 & D & EEPROM OPEN: Communication abort error \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline SC669-05 & D & EEPROM OPEN: Communication timeout error \\
\hline SC669-06 & D & EEPROM OPEN: Operation stopped error \\
\hline SC669-07 & D & EEPROM OPEN: Buffer full \\
\hline SC669-08 & D & EEPROM OPEN: No error code \\
\hline SC669-09 & D & EEPROM CLOSE: ID error \\
\hline SC669-10 & D & EEPROM CLOSE: No error code \\
\hline SC669-11 & D & EEPROM Data write: ID error \\
\hline SC669-12 & D & EEPROM Data write: Channel error \\
\hline SC669-13 & D & EEPROM Data write: Device error \\
\hline SC669-14 & D & EEPROM Data write: Communication abort error \\
\hline SC669-15 & D & EEPROM Data write: Communication timeout error \\
\hline SC669-16 & D & EEPROM Data write: Operation stopped error \\
\hline SC669-17 & D & EEPROM Data write: Buffer full \\
\hline SC669-18 & D & EEPROM Data write: No error code \\
\hline SC669-19 & D & EEPROM Data read: ID error \\
\hline SC669-20 & D & EEPROM Data read: Channel error \\
\hline SC669-21 & D & EEPROM Data read: Device error \\
\hline SC669-22 & D & EEPROM Data read: Communication abort error \\
\hline SC669-23 & D & EEPROM Data read: Communication timeout error \\
\hline SC669-24 & D & EEPROM Data read: Operation stopped error \\
\hline SC669-25 & D & EEPROM Data read: Buffer full \\
\hline SC669-26 & D & EEPROM Data read: No error code \\
\hline SC669-27 & D & EEPROM Device detection: ID error \\
\hline SC669-28 & D & EEPROM Device detection: Channel error \\
\hline SC669-29 & D & EEPROM Device detection: Device error \\
\hline
\end{tabular}
\begin{tabular}{|c|c|l|}
\hline SC No. & Level & \multicolumn{1}{|c|}{ Error Name/Error Condition/Major Cause/Solution } \\
\hline SC669-30 & D & EEPROM Device detection: Communication abort error \\
\hline SC669-31 & D & EEPROM Device detection: Communication timeout error \\
\hline SC669-32 & D & EEPROM Device detection: Operation stopped error \\
\hline SC669-33 & D & EEPROM Device detection: Buffer full \\
\hline SC669-34 & D & EEPROM Device detection: No error code \\
\hline & & \begin{tabular}{l} 
- Electrical noise \\
- \\
EEPROM not connected fully \\
- \\
- EEPROM not installed \\
- EEPROM damaged \\
BCU damaged
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|l|}
\hline \multicolumn{1}{|c|}{ SC No. } & \multicolumn{1}{|c|}{ Level } & \multicolumn{1}{|c|}{ Error Name/Error Condition/Major Cause/Solution } \\
\hline SC681- & & Toner Cartridge: ID Chip Communication Error \\
\hline \(01-04\) & D & Invalid Device ID \\
\hline \(06-09\) & D & Channel error \\
\hline \(11-14\) & D & Device Error \\
\hline \(16-19\) & D & Communication aborted (error during communication) \\
\hline \(21-24\) & D & Communication timeout \\
\hline \(26-29\) & D & Device stopped (logically stopped) \\
\hline \(31-34\) & D & Requested buffer full \\
\hline \(36-39\) & D & No error code \\
\hline & & \begin{tabular}{l} 
- When abnormality occurs at cable connection \\
When error notification was received during communication \\
with the tag and operation is not resumed after 3 retries.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[t]{2}{*}{} & \multirow[t]{2}{*}{} & There was an error during (wired) communication with the ID chip on the toner bottle. \\
\hline & & - Replace the toner bottle SC branch number:
\[
\begin{aligned}
& 01,06,11,16,21,26,31,36: ~ K \\
& 02,07,12,17,22,27,32,37: ~ M \\
& 03,08,13,18,23,28,33,38: C \\
& 04,09,14,19,24,29,34,39: ~ Y
\end{aligned}
\] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|l|}
\hline \multicolumn{1}{|c|}{ SC No. } & Level & \multicolumn{1}{|c|}{ Error Name/Error Condition/Major Cause/Solution } \\
\hline SC682- & & PCU: ID Chip Communication Error \\
\hline \(01-04\) & D & Invalid Device ID \\
\hline \(06-09\) & D & Channel error \\
\hline \(11-14\) & D & Device Error \\
\hline \(16-19\) & D & Communication aborted (error during communication) \\
\hline \(21-24\) & D & Communication timeout \\
\hline \(26-29\) & D & Device stopped (logically stopped) \\
\hline \(31-34\) & D & Requested buffer full \\
\hline \(36-39\) & D & No error code \\
\hline & & \begin{tabular}{l} 
When error notification was received during communication with \\
the tag and operation is not resumed after 3 retries.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline & & \begin{tabular}{l}
- HST sensor defective \\
- EEPROM defective \\
- PCU set error \\
Suffix number (right edge) shows each color described below: \\
1, 6: K, 2, 7: Magenta, 3, 8: Cyan, 4, 9: Yellow
\[
01,06,11,16,21,26,31,36: ~ K
\] \\
02, 07, 12, 17, 22, 27, 32, 37: M \\
03, 08, 13, 18, 23, 28, 33, 38: C
\[
04,09,14,19,24,29,34,39: Y
\] \\
Example: 682-21 is for black PCDU.
\[
01-04
\] \\
- Device ID data corruption
\[
06-09
\] \\
- Connection fault (bus disconnect, etc.) \\
11-14 \\
- No ID chip
\[
16-19,21-24,26-29
\] \\
- Noise
\[
31-34,36-39
\] \\
Software defection
\end{tabular} \\
\hline & & Replace the PCU \\
\hline
\end{tabular}
\begin{tabular}{|c|c|l|}
\hline SC No. & Level & \multicolumn{1}{|c|}{ Error Name/Error Condition/Major Cause/Solution } \\
\hline SC687-00 & D & PER Not Received Error \\
\cline { 3 - 4 } & & Unable to receive the PER command from the controller. \\
\cline { 3 - 4 } & & Communication error \\
\cline { 3 - 4 } & & Replace the BCU \\
\hline
\end{tabular}

\subsection*{5.7.2 SC600 (CONTROLLER)}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow{4}{*}{SC632-00} & \multirow{4}{*}{B} & Counter device error 1 \\
\hline & & After 3 attempts to send a data frame to the optional counter device via the serial communication line, no ACK signal was received within 100 ms . \\
\hline & & Serial line between the optional counter device, the relay board and copier control board is disconnected or damaged. \\
\hline & & \begin{tabular}{l}
- Turn the main power off/on. \\
- Check the serial communication line.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow{4}{*}{SC633-00} & \multirow{4}{*}{B} & Counter device error 2 \\
\hline & & After communication was established, the controller received the brake signal from the accounting device. \\
\hline & & Serial line between the optional counter device, the relay board and copier control board is disconnected or damaged. \\
\hline & & \begin{tabular}{l}
- Turn the main power off/on. \\
- Check the serial communication line.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow{4}{*}{SC634-00} & \multirow{4}{*}{B} & Counter device error 3 \\
\hline & & A backup RAM error was returned by the counter device. \\
\hline & & Counter device control board or the backup battery of counter device defective \\
\hline & & \begin{tabular}{l}
- Replace the counter device control board. \\
- Replace the backup battery.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow{4}{*}{SC635-00} & \multirow{4}{*}{B} & Counter device error 4 \\
\hline & & A backup battery error was returned by the counter device. \\
\hline & & Counter device control board or the backup battery of counter device defective \\
\hline & & \begin{tabular}{l}
- Replace the counter device control board. \\
- Replace the backup battery.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow{4}{*}{SC636-01} & \multirow{4}{*}{D} & IC Card Error (Expanded authentication module error) \\
\hline & & \begin{tabular}{l}
Issued when expanded authentication management is set to \\
"ON" but either of the following occur. \\
- There is no expanded authentication module in the machine. \\
- The SD card or the file of the expanded authentication module is broken. \\
- There is no DESS module in the machine.
\end{tabular} \\
\hline & & \begin{tabular}{l}
- There is no DESS module in the machine (models on which the function is optional). \\
- There is no expanded authentication module in the machine. \\
- The SD card or the file of the expanded authentication module is broken.
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Set a working SD card/expanded authentication module file. \\
- Install the DESS module. \\
- In the SSP mode set SP5-401-160 to 0. \\
- In the SSP mode, set SP5-401-161 to 0. \\
- Replace the NVRAM.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow{4}{*}{SC636-02} & \multirow{4}{*}{D} & IC Card Error (Version error) \\
\hline & & The version of the expanded authentication module is not correct. \\
\hline & & Incorrect module version \\
\hline & & Install the correct file of the expanded authentication module. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow{4}{*}{SC636-11} & \multirow{4}{*}{D} & IC Card Error (OSM user code file error) \\
\hline & & \begin{tabular}{l}
- The correct "usercode" file could not be found in the root folder of the SD card. \\
- The "usercode" file on the SD card could not be read.
\end{tabular} \\
\hline & & \begin{tabular}{l}
- The "usercode" file does not exist on the SD card. \\
- The "usercode" file on the SD card is an invalid file. \\
- Data in the "usercode" file on the SD card is invalid. \\
- "usercode" file was not moved when moving the application to another SD card
\end{tabular} \\
\hline & & Use the user code configuration tool for OSM users (Idissuer.exe) to create the "usercode" and store it in the root folder of the SD card containing the IC card module (eccm.mod). \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow{4}{*}{SC637-01} & \multirow{4}{*}{D} & Tracking Information Notification Error (Tracking application error) \\
\hline & & Tracking information was lost. \\
\hline & & \begin{tabular}{l}
- Tracking SDK application error \\
- Internal notification error
\end{tabular} \\
\hline & & Turn the main power off/on. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow{4}{*}{SC637-02} & \multirow{4}{*}{D} & Tracking Information Notification Error (Management server error) \\
\hline & & Tracking information was lost. \\
\hline & & \begin{tabular}{l}
Communication with tracking management server failed. \\
- Network error \\
- tracking management server error \\
- Tracking SDK application error
\end{tabular} \\
\hline & & Turn the main power off/on. \\
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow{4}{*}{SC650-01} & \multirow{4}{*}{B} & Remote Service Modem Communication Error (Dialup authentication failure) \\
\hline & & \begin{tabular}{l}
- An error related to communication (dialup connection, modem board etc.) using the RC Gate Type M was detected or an error that prevents RC Gate operation was detected at power on. \\
- Displayed only when an error is detected while RC Gate is operating. \\
- SC is not issued if an error occurs during RC Gate installation (because it can be referenced using SP).
\end{tabular} \\
\hline & & Dialup authentication failure \\
\hline & & \begin{tabular}{l}
Check the following SPs. \\
- SP5-816-156 \\
- SP5-816-157
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow{4}{*}{SC650-04} & \multirow{4}{*}{B} & Remote Service Modem Communication Error (dialup failing because of incorrect modem configuration) \\
\hline & & \begin{tabular}{l}
- An error related to communication (dialup connection, modem board etc.) using the RC Gate Type M was detected or an error that prevents RC Gate operation was detected at power on. \\
- Displayed only when an error is detected while RC Gate is operating. \\
- SC is not issued if an error occurs during RC Gate installation (because it can be referenced using SP).
\end{tabular} \\
\hline & & Dialup failing because of incorrect modem configuration \\
\hline & & Check if the setting of SP5-816-160 is correct. If it is correct, then there is a software bug. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow{4}{*}{SC650-05} & \multirow{4}{*}{B} & Remote Service Modem Communication Error (insufficient current or connection fault) \\
\hline & & \begin{tabular}{l}
- An error related to communication (dialup connection, modem board etc.) using the RC Gate Type M was detected or an error that prevents RC Gate operation was detected at power on. \\
- Displayed only when an error is detected while RC Gate is operating. \\
- SC is not issued if an error occurs during RC Gate installation (because it can be referenced using SP).
\end{tabular} \\
\hline & & Insufficient current or connection fault \\
\hline & & The line is not supported and nothing can be done. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow{4}{*}{SC650-13} & \multirow{4}{*}{B} & Remote Service Modem Communication Error (RC Gate Type Mwas installed but modem is not present (detected during operation)) \\
\hline & & \begin{tabular}{l}
- An error related to communication (dialup connection, modem board etc.) using the RC Gate Type M was detected or an error that prevents RC Gate operation was detected at power on. \\
- Displayed only when an error is detected while RC Gate is operating. \\
- SC is not issued if an error occurs during RC Gate installation (because it can be referenced using SP).
\end{tabular} \\
\hline & & RC Gate Type Mwas installed but modem is not present (detected during operation) \\
\hline & & \begin{tabular}{l}
- If a modem board is not installed, install it. \\
- Check again if the modem driver configurations (SP5-816-160, SP5-816-165 to 171, SP5-816-165 to 171) are correct. \\
If the problem is not solved, replace the modem.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow{3}{*}{SC650-14} & \multirow{3}{*}{B} & Remote Service Modem Communication Error (RC Gate Type N was installed but modem is present or wired/wireless LAN is not working correctly) \\
\hline & & \begin{tabular}{l}
- An error related to communication (dialup connection, modem board etc.) using the RC Gate was detected or an error that prevents RC Gate operation was detected at power on. \\
- Displayed only when an error is detected while RC Gate is operating. \\
- SC is not issued if an error occurs during RC Gate installation (because it can be referenced using SP).
\end{tabular} \\
\hline & & RC Gate Type \(N\) was installed but modem is present or wired/wireless LAN is not working correctly \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|}
\hline SC No. & Level & \multicolumn{1}{c|}{ Error Name/Error Condition/Major Cause/Solution } \\
\hline & & . \begin{tabular}{l} 
If a modem board is attached, remove it. \\
\\
\end{tabular} \\
& Check if wired/wireless LAN works. \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|}
\hline SC No. & Level & \multicolumn{1}{|c|}{ Error Name/Error Condition/Major Cause/Solution } \\
\hline \multirow{4}{*}{ SC651-01 } & \multirow{3}{|c|}{ C } & \begin{tabular}{l} 
Illegal Remote Service Dial-up (Chat program parameter error)
\end{tabular} \\
\cline { 3 - 4 } & & \begin{tabular}{l} 
An unexpected error occurred when RC Gate Type M dialed up \\
the NRS Center.
\end{tabular} \\
\cline { 3 - 4 } & & Software bug \\
\cline { 3 - 4 } & & Logging only. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow{4}{*}{SC651-02} & \multirow{4}{*}{C} & Illegal Remote Service Dial-up (Chat program execution error) \\
\hline & & An unexpected error occurred when RC Gate dialed up the NRS Center. \\
\hline & & Software bug \\
\hline & & Logging only. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[b]{4}{*}{SC652-00} & \multirow[b]{4}{*}{D} & Remote service ID2 mismatching \\
\hline & & There was an authentication mismatch between ID2 for @Remote, the controller board, and NVRAM. \\
\hline & & \begin{tabular}{l}
- Used controller board installed \\
- Used NVRAM installed (such action is not allowed.)
\end{tabular} \\
\hline & & \begin{tabular}{l}
- If this occurs during RC Gate installation: \\
Check the validity of the certificate and the NVRAM, check the machine serial number, write the common certificate, and then begin installation again. \\
- If this occurs after RC Gate installation: \\
Clear the RC Gate install status, check the validity of the certificate and the NVRAM, check the machine serial number, write the common certificate, and then begin installation again.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow{4}{*}{SC653-00} & \multirow{4}{*}{D} & Incorrect remote service ID2 \\
\hline & & \begin{tabular}{l}
ID2 stored in the NVRAM has either of the following problems. \\
- Number of characters is not 17. \\
- Includes a character that cannot be printed. \\
- All spaces \\
- NULL
\end{tabular} \\
\hline & & Replace the NVRAM. \\
\hline & & Clear the RC Gate install status, write the common certificate, and then begin installation again. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline SC670-00 & D & Engine start up error \\
\hline & & \begin{tabular}{l}
- Case 1 \\
- IENGRDY signal was not asserted when the machine was turned on or returned from energy saver mode. \\
- /IPURDY signal was not asserted when the machine was turned on or returned from energy saver mode. \\
- EC response was not received within specified time from power on. \\
- PC response was not received within specified time from power on. \\
- SC response was not received within specified time from power on. \\
- Writing to Rapi driver failed (the other party not found through PCI). \\
- Case 2 \\
- Unexpected down status was detected after /ENGRDY assertion.
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Case 1 \\
- Engine board does not start up. \\
- Case 2 \\
- Engine board reset unexpectedly.
\end{tabular} \\
\hline & & \begin{tabular}{l}
Check the connection between the engine board and the controller board. \\
- If it is always reproduced, replace the engine board. If the problem persists, consider replacing the controller board or other boards between them. \\
- If reproducibility is low, multiple causes are to be considered, such as software, engine board, controller board, and PSU.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow{4}{*}{SC672-10} & \multirow{4}{*}{D} & Controller start up error \\
\hline & & After the machine was powered on, communication between the controller and the operation panel was not established. \\
\hline & & \begin{tabular}{l}
- Controller stalled \\
- Board installed incorrectly \\
- Controller board defective \\
- Operation panel connector loose, broken, or defective \\
- Controller late
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Turn the main power off/on. \\
- Check the connection of the controller board. \\
- Replace the controller board. \\
- Check the control panel harness.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow{4}{*}{SC672-11} & \multirow{4}{*}{D} & Controller start up error \\
\hline & & After the machine was powered on, communication between the controller and the operation panel was not established, or communication with controller was interrupted after a normal startup. \\
\hline & & \begin{tabular}{l}
- Controller stalled \\
- Board installed incorrectly \\
- Controller board defective \\
- Operation panel connector loose, broken, or defective \\
- Controller late
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Turn the main power off/on. \\
- Check the connection of the controller board. \\
- Replace the controller board. \\
- Check the control panel harness.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow{4}{*}{SC672-12} & \multirow{4}{*}{D} & Controller start up error \\
\hline & & Communication with controller was interrupted after a normal startup. \\
\hline & & \begin{tabular}{l}
- Controller stalled \\
- Board installed incorrectly \\
- Controller board defective \\
- Operation panel connector loose, broken, or defective \\
- Controller late
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Turn the main power off/on. \\
- Check the connection of the controller board. \\
- Replace the controller board. \\
- Check the control panel harness.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow{4}{*}{SC672-13} & \multirow{4}{*}{D} & Controller start up error \\
\hline & & The operation panel detected that the controller is down. \\
\hline & & \begin{tabular}{l}
- Controller stalled \\
- Board installed incorrectly \\
- Controller board defective \\
- Operation panel connector loose, broken, or defective \\
- Controller late
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Turn the main power off/on. \\
- Check the connection of the controller board. \\
- Replace the controller board. \\
- Check the control panel harness.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow{4}{*}{SC672-99} & \multirow{4}{*}{D} & Controller start up error \\
\hline & & The operation panel software ended abnormally. \\
\hline & & \begin{tabular}{l}
- Controller stalled \\
- Board installed incorrectly \\
- Controller board defective \\
- Operation panel connector loose, broken, or defective \\
- Controller late
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Turn the main power off/on. \\
- Check the connection of the controller board. \\
- Replace the controller board. \\
- Check the control panel harness.
\end{tabular} \\
\hline
\end{tabular}

\subsection*{5.8 SERVICE CALL 700-792}

\subsection*{5.8.1 SC700 (ENGINE: PERIPHERALS)}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[t]{4}{*}{SC701-03} & \multirow[t]{4}{*}{D} & Paper Feed Motor Driver Error (ARDF) \\
\hline & & Detection of error signal from motor driver \\
\hline & & \begin{tabular}{l}
- Encoder disconnection \\
- Encoder connector dropout \\
- Encoder defective \\
- Overload \\
- Motor deterioration
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Replace the encoder harness \\
- Check the harness connection \\
- Replace the motor
\end{tabular} \\
\hline \multirow[t]{4}{*}{SC701-08} & \multirow[t]{4}{*}{D} & Paper Exit Motor Driver Error (ARDF) \\
\hline & & Detection of error signal from motor driver. \\
\hline & & \begin{tabular}{l}
- Encoder disconnection \\
- Encoder connector dropout \\
- Encoder defective \\
- Overload \\
- Motor deterioration
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Replace the encoder harness \\
- Check the harness connection \\
- Replace the motor
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[t]{4}{*}{SC702-01} & \multirow[t]{4}{*}{D} & Protection Device Intercept Error 1 (ARDF) \\
\hline & & When original source 5 V power supply is ON , protection device intercept of 24 V power supply system is detected. \\
\hline & & Any of feed motor, transport motor, reverse solenoid, paper feed solenoid, paper feed clutch and FAN motor defective, a harness short-circuit occurs, and the protection device of the 24 V power supply system intercepts. \\
\hline & & \begin{tabular}{l}
- Replace the blown fuse or circuit board \\
- Replace the short-circuited parts
\end{tabular} \\
\hline \multirow{4}{*}{SC702-02} & \multirow{4}{*}{D} & Protection Device Intercept Error 2 (ARDF) \\
\hline & & When original source 5 V power supply is ON , protection device intercept of 24 V OUT power supply system is detected. \\
\hline & & Solenoid defective or harness short-circuit occurs in 24VOUT power supply system. \\
\hline & & \begin{tabular}{l}
- Replace the blown fuse or circuit board \\
- Replace the short-circuited parts
\end{tabular} \\
\hline \multirow{4}{*}{SC702-03} & \multirow{4}{*}{D} & Protection Device Intercept Error 3 (ARDF) \\
\hline & & When original source 5 V power supply is ON , protection device intercept of 5VE power supply system is detected. \\
\hline & & Sensor defective or a harness short-circuit occur in 5VE power supply system. \\
\hline & & \begin{tabular}{l}
- Replace the blown fuse or circuit board \\
- Replace the short-circuited parts
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[t]{4}{*}{SC723-03} & \multirow[t]{4}{*}{B} & Power Supply Error (Internal Finisher: Non-Staple Bind) \\
\hline & & When original source 24 V power supply is ON , protection device intercept of non-interlock power supply system is detected. \\
\hline & & A motor failure or harness short-circuit occur in the non-interlock power supply system. \\
\hline & & \begin{tabular}{l}
- Replace the short-circuited harnesses \\
- Replace the protection devices
\end{tabular} \\
\hline \multirow[t]{4}{*}{SC723-10} & \multirow[t]{4}{*}{B} & Transport Motor Error (Internal Finisher: Non-Staple Bind) \\
\hline & & \begin{tabular}{l}
The DCM driver error detection is started after reset, and T9[msec] error signal is detected. \\
This SC will be issued when the above phenomenon repeated 2 times.
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Transport Motor failure \\
- Harness short-circuit \\
- Circuit board failure \\
- Over current \\
- Abnormal temperature
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Replace the motor \\
- Replace the harness \\
- Replace the circuit board.
\end{tabular} \\
\hline \multirow[b]{2}{*}{SC723-20} & \multirow[b]{2}{*}{B} & Junction Solenoid Motor Error (Internal Finisher: Non-Staple Bind) \\
\hline & & \begin{tabular}{l}
When the junction claw HP sensor was not turned off while T3[msec] applied to the solenoid motor with the HP sensor turned on. \\
When the junction claw HP sensor was not turned on while T4[msec] applied to the solenoid motor with the HP sensor turned off. \\
This SC will be issued when the above phenomenon repeated 2 times.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[t]{2}{*}{} & \multirow[t]{2}{*}{} & \begin{tabular}{l}
- Junction Solenoid Motor failure \\
- Connector disconnected \\
- Over load \\
- Junction claw HP sensor error
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Check the connection \\
- Replace the motor/sensor \\
- Replace the harness
\end{tabular} \\
\hline \multirow{4}{*}{SC723-24} & \multirow{4}{*}{B} & Exit Pressure Release Motor Error (Internal Finisher: Non-Staple Bind) \\
\hline & & \begin{tabular}{l}
When the exit pressure release HP sensor was not turned off while T5[msec] applied to the exit pressure release motor with the HP sensor turned on. \\
When exit pressure release HP sensor was not turned on while T6[msec] applied to the exit pressure release motor with the HP sensor turned off. \\
This SC will be issued when the above phenomenon repeated 2 times.
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Exit Pressure Release Motor failure \\
- Connector disconnected \\
- Over load \\
- Exit pressure release HP sensor error
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Check the connection \\
- Replace the motor/sensor \\
- Replace the harness
\end{tabular} \\
\hline \multirow[b]{2}{*}{SC723-44} & \multirow[b]{2}{*}{B} & Stapler Motor Error (Internal Finisher: Non-Staple Bind) \\
\hline & & \begin{tabular}{l}
When the stapler HP sensor was not turned off while T7[msec] applied to the stapler motor with the HP sensor turned on. When stapler HP sensor was not turned on while T6[msec] applied to the stapler motor with the HP sensor turned off. The STM driver error detection is started after reset, and T9[msec] error signal is detected. \\
This SC will be issued when the above phenomenon repeated 2 times.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline & & \begin{tabular}{l}
- Stapler Motor failure \\
- Connector disconnected \\
- Stapler Motor overload \\
- Stapler HP sensor error \\
- Harness short-circuit \\
- Circuit board failure \\
- Excess current \\
- Abnormal temperature \\
- Check the connection \\
- Replace the motor/sensor \\
- Replace the harness \\
- Replace the circuit board
\end{tabular} \\
\hline \multirow{4}{*}{SC723-71} & \multirow{4}{*}{B} & Shift Motor Error (Internal Finisher: Non-Staple Bind) \\
\hline & & \begin{tabular}{l}
When the shift HP sensor was not turned off while T1[msec] applied to the shift motor with the HP sensor turned on. When shift HP sensor was not turned on while T6[msec] applied to the shift motor with the HP sensor turned off. \\
The STM driver error detection is started after reset, and T9[msec] error signal is detected. \\
This SC will be issued when the above phenomenon repeated 2 times.
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Shift Motor failure \\
- Connector disconnected \\
- Shift Motor overload \\
- Shift HP sensor error \\
- Harness short-circuit \\
- Circuit board failure \\
- Excess current \\
- Abnormal temperature
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Check the connection \\
- Replace the motor/sensor \\
- Replace the harness \\
- Replace the circuit board
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline SC724 & & Internal finisher Error \\
\hline \multirow[t]{2}{*}{SC724-24} & \multirow[t]{2}{*}{B} & Paper Exit Guide Plate Open/Close Motor Error (Internal finisher) \\
\hline & & \begin{tabular}{l}
- When paper exit guide plate open/close motor is driven for T3 msec after paper exit guide plate HP sensor ON, the HP sensor does not switch OFF (1st time is jam notification, 2 nd time is SC notification). \\
- When paper exit guide plate open/close motor is driven for T4 msec after paper exit guide plate HP sensor OFF, the HP sensor does not switch ON (1st time is jam notification, 2nd time is SC notification).
\end{tabular} \\
\hline & & Punch Motor Error (Internal finisher) \\
\hline SC724-25 & B & \begin{tabular}{l}
- When punch motor is driven for T16 msec after punch HP sensor ON, the HP sensor does not switch OFF (1st time is jam notification, 2nd time is SC notification). \\
- When punch motor is driven for T17 msec after punch HP sensor OFF, the HP sensor does not switch ON (1st time is jam notification, 2nd time is SC notification).
\end{tabular} \\
\hline & & Punch Displacement Motor Error (Internal finisher) \\
\hline SC724-27 & B & \begin{tabular}{l}
- When punch displacement motor is driven for T18 msec when punch displacement HP sensor is ON, the HP sensor does not switch OFF (1st time is jam notification, 2nd time is SC notification). \\
- When punch displacement motor is driven for T19 msec when punch displacement HP sensor is OFF, the HP sensor does not switch ON (1st time is jam notification, 2nd time is SC notification).
\end{tabular} \\
\hline SC724-28 & B & Punch Horizontal Registration Detection Motor Error (Internal finisher) \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline & & \begin{tabular}{l}
- When horizontal registration displacement motor is driven for T 20 msec when horizontal registration displacement HP sensor is ON, the HP sensor does not switch OFF (1st time is jam notification, 2nd time is SC notification). \\
- When horizontal registration displacement motor is driven for T21 msec when horizontal registration displacement HP sensor is OFF, the HP sensor does not switch ON (1st time is jam notification, 2nd time is SC notification).
\end{tabular} \\
\hline & & Jogger Front Motor Error (Internal finisher) \\
\hline SC724-31 & B & \begin{tabular}{l}
- When front jogger motor is driven for T22 msec when front jogger HP sensor is ON, the HP sensor does not switch OFF (1st time is jam notification, 2nd time is SC notification). \\
- When front jogger motor is driven for T23 msec when front jogger HP sensor is OFF, the HP sensor does not switch ON (1st time is jam notification, 2nd time is SC notification).
\end{tabular} \\
\hline & & Jogger Rear Motor Error (Internal finisher) \\
\hline SC724-32 & B & \begin{tabular}{l}
- When rear jogger motor is driven for T24 msec when rear jogger HP sensor is ON, the HP sensor does not switch OFF (1st time is jam notification, 2nd time is SC notification). \\
- When rear jogger motor is driven for T25 msec when rear jogger HP sensor is OFF, the HP sensor does not switch ON (1st time is jam notification, 2nd time is SC notification).
\end{tabular} \\
\hline & & Strike Roller Motor Error (Internal finisher) \\
\hline SC724-33 & B & \begin{tabular}{l}
- During initialization/strike descent, even when the strike roller motor is driven for T1 msec when the strike roller HP sensor is ON, the HP sensor does not switch OFF (1st time is jam notification, 2nd time is SC notification). \\
- During initialization, even when the strike roller motor is driven for T2 msec when the strike roller HP sensor is OFF, the HP sensor does not switch ON (1st time is jam notification, 2nd time is SC notification). \\
- When the strike roller is lifted from the press position, even when driven for T2 msec, the HP sensor does not switch ON (1st time is jam notification, 2nd time is SC notification).
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline & & Paper Press Motor Error (Internal finisher) \\
\hline SC724-38 & B & \begin{tabular}{l}
- When the paper press HP sensor is ON and the paper press motor is driven for T14 msec, the HP sensor does not switch OFF (1st time is jam notification, 2nd time is SC notification). \\
- When the paper press HP sensor is OFF and the paper press motor is driven for T15 msec, the HP sensor does not switch ON (1st time is jam notification, 2nd time is SC notification).
\end{tabular} \\
\hline & & Stapler Displacement Movable Motor Error (Internal finisher) \\
\hline SC724-42 & B & \begin{tabular}{l}
- Sifter stapler displacement HP sensor ON, even when the stapler displacement motor is driven for T9 msec, the HP sensor does not switch OFF (1st time is jam notification, 2nd time is SC notification). \\
- After stapler displacement HP sensor OFF, even when the stapler displacement motor is driven for T 10 msec , the HP sensor does not switch ON (1st time is jam notification, 2nd time is SC notification).
\end{tabular} \\
\hline & & Shift Tray Ascent/Descent Motor Error (Internal finisher) \\
\hline SC724-70 & B & \begin{tabular}{l}
- During ascent from paper surface sensor ON, even after T11 msec elapses, the paper surface sensor does not switch OFF (1st time is jam notification, 2nd time is SC notification). \\
- During descent from paper surface sensor OFF, the paper surface sensor does not switch ON even after T12 msec elapses (1st time is jam notification, 2nd time is SC notification). \\
- During descent to the packing position, the full sensor does not switch ON even if T13 msec elapses.
\end{tabular} \\
\hline SC724-80 & B & Shift Motor Error (Internal finisher) \\
\hline
\end{tabular}

\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline SC761 & & Protection Device Intercept Error *V (bridge unit or left paper output tray) \\
\hline SC761-03 & B & Protection Device Intercept Error 5V \\
\hline SC761-04 & B & Protection Device Intercept Error 24V \\
\hline \multirow[t]{3}{*}{} & & Fuse blowout occurs due to over current during power injection (output detected for longer than 2 seconds). \\
\hline & & \begin{tabular}{l}
- Over current of bridge unit motor \\
- Over current due to short-circuit in PCB
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Replace the bridge unit \\
- Replace the PCB
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline SC780-01 & D & Bank 1 (Upper optional paper tray) Protection Device Intercept Error \\
\hline \multirow[t]{3}{*}{} & & When original source of 5 V power supply is ON , protection device intercept of 24 V power system is detected. \\
\hline & & \begin{tabular}{l}
In 24V power supply system: \\
- Motor defective \\
- Solenoid defective \\
- Harness short- circuit
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Replace the PCB \\
- Replace the short-circuited part (harness, motor, solenoid)
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline SC781-01 & D & Bank 2 (Lower optional paper tray) Protection Device Intercept Error \\
\hline \multirow[t]{3}{*}{} & & When original source of 5 V power supply is ON , protection device intercept of 24 V power system is detected. \\
\hline & & \begin{tabular}{l}
In 24V power supply system: \\
- Motor defective \\
- Solenoid defective \\
- Harness short- circuit
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Replace the PCB \\
- Replace the short-circuited part (harness, motor, solenoid)
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline SC791-00 & D & No bridge unit when finisher is present \\
\hline \multirow[t]{3}{*}{} & \multirow[t]{3}{*}{} & When power supply is switched on or paper is transported, finisher set is detected but bridge unit set is not detected. (during internal finisher connection, not detected) \\
\hline & & \begin{tabular}{l}
- Bridge unit not attached \\
- Bridge unit defective
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Reset the bridge unit \\
- Turn the power off/on
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline SC792-00 & B & No finisher, bridge unit provided \\
\hline \multirow[t]{3}{*}{} & \multirow[t]{3}{*}{} & When power supply is switched on, it is recognized there is no finisher, and a bridge unit is fitted. \\
\hline & & \begin{tabular}{l}
- Finisher connector set fault \\
- In a machine which has a bridge unit connected, a finisher is not fitted \\
- Finisher defective
\end{tabular} \\
\hline & & Connect finisher or disconnect bridge unit, and turn the power off/on \\
\hline
\end{tabular}

\subsection*{5.9 SERVICE CALL 816-899}

\subsection*{5.9.1 SC800 (CONTROLLER)}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline SC816 & [0x0000] & Energy save I/O subsystem error \\
\hline SC816-01 & D & Subsystem error \\
\hline SC816-02 & D & Sysarch (LPUX_GET_PORT_INFO) error \\
\hline SC816-03 & D & Transition to STR was denied. \\
\hline SC816-04 & D & Interrupt in kernel communication driver \\
\hline SC816-05 & D & Preparation for transition to STR failed. \\
\hline SC816-07 & D & Sysarch (LPUX_GET_PORT_INFO) error \\
\hline SC816-08 & D & Sysarch (LPUX_ENGINE_TIMERCTRL) error \\
\hline SC816-09 & D & Sysarch (LPUX_RETURN_FACTOR_STR) error \\
\hline SC816-10 & D & Sysarch (LPUX_GET_PORT_INFO) error \\
\hline SC816-11 & D & Sysarch (LPUX_GET_PORT_INFO) error \\
\hline SC816-12 & D & Sysarch (LPUX_GET_PORT_INFO) error \\
\hline SC816-13 & D & open() error \\
\hline SC816-14 & D & Memory address error \\
\hline SC816-15 & D & open() error \\
\hline SC816-16 & D & open() error \\
\hline SC816-17 & D & open() error \\
\hline SC816-18 & D & open() error \\
\hline SC816-19 & D & Double open() error \\
\hline SC816-20 & D & open() error \\
\hline SC816-22 & D & Parameter error \\
\hline
\end{tabular}
\begin{tabular}{|c|c|l|}
\hline SC No. & Level & \multicolumn{1}{|c|}{ Error Name/Error Condition/Major Cause/Solution } \\
\hline SC816-23 & D & read() error \\
\hline SC816-24 & D & read() error \\
\hline SC816-25 & D & read() error \\
\hline SC816-26 & D & write() communication retry error \\
\hline SC816-27 & D & write() communication retry error \\
\hline SC816-28 & D & write() communication retry error \\
\hline SC816-29 & D & write() communication retry error \\
\hline SC816-30 & D & write() communication retry error \\
\hline SC816-35 & D & read() error \\
\hline SC816-36 & D & Subsystem error \\
\hline SC816-37 & D & Subsystem error \\
\hline SC816-38 & D & Subsystem error \\
\hline SC816-39 & D & Subsystem error \\
\hline SC816-40 & D & Subsystem error \\
\hline SC816-41 & D & Subsystem error \\
\hline SC816-42 & D & Subsystem error \\
\hline SC816-43 & D & Subsystem error \\
\hline SC816-44 & D & Subsystem error \\
\hline SC816-45 & D & Subsystem error \\
\hline SC816-46 & D & Subsystem error \\
\hline SC816-47 & D & Subsystem error \\
\hline SC816-48 & D & Subsystem error \\
\hline SC816-49 & D & Subsystem error \\
\hline SC816-51 & D & Subsystem error \\
\hline D & Subsystem error \\
\hline
\end{tabular}
\begin{tabular}{|c|c|l|}
\hline SC No. & Level & \multicolumn{1}{|c|}{ Error Name/Error Condition/Major Cause/Solution } \\
\hline SC816-52 & D & Subsystem error \\
\hline SC816-53 & D & Subsystem error \\
\hline SC816-54 & D & Subsystem error \\
\hline SC816-55 & D & Subsystem error \\
\hline SC816-56 & D & Subsystem error \\
\hline SC816-57 & D & Subsystem error \\
\hline SC816-58 & D & Subsystem error \\
\hline SC816-59 & D & Subsystem error \\
\hline SC816-60 & D & Subsystem error \\
\hline SC816-61 & D & Subsystem error \\
\hline SC816-62 & D & Subsystem error \\
\hline SC816-63 & D & Subsystem error \\
\hline SC816-64 & D & Subsystem error \\
\hline SC816-65 & D & Subsystem error \\
\hline SC816-66 & D & Subsystem error \\
\hline SC816-67 & D & Subsystem error \\
\hline SC816-68 & D & Subsystem error \\
\hline SC816-69 & D & Subsystem error \\
\hline SC816-70 & D & Subsystem error \\
\hline SC816-71 & D & Subsystem error \\
\hline SC816-72 & D & Subsystem error \\
\hline SC816-73 & D & Subsystem error \\
\hline SC816-74 & D & Subsystem error \\
\hline D & Subsystem error \\
\hline D & Subsystem error \\
\hline SC816-76 & D \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline SC816-77 & D & Subsystem error \\
\hline SC816-78 & D & Subsystem error \\
\hline SC816-79 & D & Subsystem error \\
\hline SC816-80 & D & Subsystem error \\
\hline SC816-81 & D & Subsystem error \\
\hline SC816-82 & D & Subsystem error \\
\hline SC816-83 & D & Subsystem error \\
\hline SC816-84 & D & Subsystem error \\
\hline SC816-85 & D & Subsystem error \\
\hline SC816-86 & D & Subsystem error \\
\hline SC816-87 & D & Subsystem error \\
\hline SC816-88 & D & Subsystem error \\
\hline SC816-89 & D & Subsystem error \\
\hline SC816-90 & D & Subsystem error \\
\hline SC816-91 & D & Subsystem error \\
\hline SC816-92 & D & Subsystem error \\
\hline SC816-93 & D & Subsystem error \\
\hline SC816-94 & D & Subsystem error \\
\hline \multirow[t]{3}{*}{} & & Energy save I/O subsystem detected some abnormality. \\
\hline & & \begin{tabular}{l}
- Energy save I/O subsystem defective \\
- Energy save I/O subsystem detected a controller board error (non-response). \\
- Error was detected during preparation for transition to STR.
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Turn the main power off/on. \\
- Replace the controller board.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow{4}{*}{SC840-00} & \multirow{4}{*}{D} & EEPROM access error \\
\hline & & \begin{tabular}{l}
An error occurred during I/O processing. \\
- A read error occurred and 3 retries failed. \\
- A write error occurred.
\end{tabular} \\
\hline & & EEPROM defective or end-of-life \\
\hline & & - \\
\hline
\end{tabular}
\begin{tabular}{|c|c|l|}
\hline SC No. & Level & \multicolumn{1}{|c|}{ Error Name/Error Condition/Major Cause/Solution } \\
\hline \multirow{3}{*}{ SC841-00 } & D & \begin{tabular}{l} 
EEPROM read data error \\
With the original data and all 3 of them were different from the \\
original data.
\end{tabular} \\
\cline { 3 - 5 } & Data in the specific area of the EEPROM has been modified. \\
\hline & - \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow{4}{*}{SC842-00} & \multirow{4}{*}{C} & Nand-Flash updating verification error \\
\hline & & During remote ROM update or ROM update, the SCS detected a write error (verify error) regarding the data written to the Nand-Flash. \\
\hline & & Nand-Flash damaged \\
\hline & & Turn the main power off/on. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow{4}{*}{SC842-01} & \multirow{4}{*}{B} & Nand-Flash bad block number exceeding the threshold \\
\hline & & When the status of the Nand-Flash was checked at power-on or when returning from energy saver mode, the number of bad blocks exceeded the threshold. \\
\hline & & Nand-Flash bad block number exceeding the threshold \\
\hline & & Replace the controller board. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|l|}
\hline SC No. & Level & \multicolumn{1}{c|}{ Error Name/Error Condition/Major Cause/Solution } \\
\hline \multirow{4}{*}{ SC842-02 } & & \begin{tabular}{l} 
Number of times of Nand-Flash block erase exceeding the \\
threshold
\end{tabular} \\
\cline { 3 - 5 } & & \begin{tabular}{l} 
When the status of the Nand-Flash was checked at power-on or \\
when returning from energy saver mode, the number of times \\
the block was erased exceeded the threshold.
\end{tabular} \\
\cline { 3 - 5 } & \begin{tabular}{l} 
Number of times of Nand-Flash block erase exceeding the \\
threshold
\end{tabular} \\
\cline { 3 - 5 } & Replace the controller board. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|l|}
\hline SC No. & Level & \multicolumn{1}{c|}{ Error Name/Error Condition/Major Cause/Solution } \\
\hline \multirow{4}{*}{ SC853-00 } & \multirow{3}{|c|}{\begin{tabular}{l} 
Bluetooth device connection error
\end{tabular}} \\
\cline { 3 - 5 } & & \begin{tabular}{l} 
The Bluetooth hardware (USB type) was connected after the \\
machine was turned on.
\end{tabular} \\
\cline { 3 - 5 } & \begin{tabular}{l} 
The Bluetooth hardware (USB type) was connected after the \\
machine was turned on.
\end{tabular} \\
\cline { 3 - 5 } & \begin{tabular}{l} 
Turn the main power with the Bluetooth hardware (USB type) \\
connected.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow{4}{*}{SC854-00} & \multirow{4}{*}{B} & Bluetooth device disconnected \\
\hline & & The Bluetooth hardware (USB type) was disconnected after the machine was turned on. \\
\hline & & The Bluetooth hardware (USB type) was disconnected after the machine was turned on. \\
\hline & & Turn the main power with the Bluetooth hardware (USB type) connected. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow{4}{*}{SC855-01} & \multirow{4}{*}{B} & Wireless LAN board error (driver attachment failure) \\
\hline & & Wireless LAN board error (wireless LAN card: 802.11 is covered) \\
\hline & & \begin{tabular}{l}
- Defective wireless LAN board \\
- Loose connection
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Turn the main power off/on. \\
- Replace wireless LAN board
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow{4}{*}{SC855-02} & \multirow{4}{*}{B} & Wireless LAN board error (driver initialization failure) \\
\hline & & Wireless LAN board error (wireless LAN card: 802.11 is covered) \\
\hline & & \begin{tabular}{l}
- Defective wireless LAN board \\
- Loose connection
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Turn the main power off/on. \\
- Replace wireless LAN board
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow{4}{*}{SC857-00} & \multirow{4}{*}{B} & USB I/F Error \\
\hline & & The USB interface is unusable because of a driver error. \\
\hline & & USB driver error (There are three causes of USB error: RX error/CRC error/STALL. SC is issued only in the case of STALL.) \\
\hline & & \begin{tabular}{l}
- Check USB connection. \\
- Replace the controller board.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow{4}{*}{SC858-01} & \multirow{4}{*}{-} & Data encryption conversion error (HDD Key Setting Error) \\
\hline & & A serious error occurred during an attempt to update the encryption key. \\
\hline & & \begin{tabular}{l}
- Data in the USB Flash etc. corrupted \\
- Communication error because of electromagnetic interference etc. \\
- Controller board defective
\end{tabular} \\
\hline & & Replace the board. \\
\hline
\end{tabular}
\begin{tabular}{|l|c|l|}
\hline SC No. & Level & \multicolumn{1}{|c|}{ Error Name/Error Condition/Major Cause/Solution } \\
\hline \multirow{4}{*}{ SC858-02 } & \multirow{3}{*}{ A } & Data encryption conversion error (NVRAM read/write error) \\
\cline { 3 - 4 } & & \begin{tabular}{l} 
A serious error occurred after data conversion during an attempt \\
to update the encryption key.
\end{tabular} \\
\cline { 4 - 5 } & & NVRAM defective \\
\cline { 3 - 4 } & & Replace the board. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow{4}{*}{SC858-30} & \multirow{4}{*}{A} & Data encryption conversion error (NVRAM Before Replace error) \\
\hline & & A serious error occurred after data conversion during an attempt to update the encryption key. \\
\hline & & Software error such as conversion parameters being invalid. \\
\hline & & Replace the board. \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|}
\hline SC No. & Level & \multicolumn{1}{|c|}{ Error Name/Error Condition/Major Cause/Solution } \\
\hline \multirow{4}{*}{ SC858-31 } & \multirow{3}{*}{ A } & Data encryption conversion error (Other Error) \\
\cline { 3 - 4 } & & \begin{tabular}{l} 
A serious error occurred after data conversion during an attempt \\
to update the encryption key.
\end{tabular} \\
\cline { 3 - 4 } & & Controller board defective \\
\cline { 3 - 4 } & & Replace the board. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow{4}{*}{SC859-01} & \multirow{4}{*}{B} & Data encryption conversion HDD conversion error (HDD check error) \\
\hline & & \begin{tabular}{l}
HDD was not converted correctly during an attempt to update the encryption key. \\
Only an error screen is displayed and no SC is issued during conversion. This SC is issued after machine restart.
\end{tabular} \\
\hline & & \begin{tabular}{l}
- HDD conversion was selected in the Encryption key update function but the machine was turned on with the HDD removed. \\
- Power failure occurred during encryption key update. \\
- HDD was not successfully converted during encryption key update due to HDD errors or cable noises.
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Check HDD connection. \\
- Format the HDD. \\
- If there is a problem with the HDD, it has to be replaced.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow{4}{*}{SC859-02} & \multirow{4}{*}{B} & Data encryption conversion HDD conversion error (Power failure during conversion) \\
\hline & & \begin{tabular}{l}
HDD was not converted correctly during an attempt to update the encryption key. \\
Only an error screen is displayed and no SC is issued during conversion. This SC is issued after machine restart. \\
Details: \\
NVRAM/HDD conversion is incomplete.
\end{tabular} \\
\hline & & Power failure occurred during encryption key update. \\
\hline & & \begin{tabular}{l}
None \\
The display after restart instructs the user to format the HDD.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow{4}{*}{SC859-10} & \multirow{4}{*}{B} & Data encryption conversion HDD conversion error (Data read/write command error) \\
\hline & & \begin{tabular}{l}
HDD was not converted correctly during an attempt to update the encryption key. \\
Only an error screen is displayed and no SC is issued during conversion. This SC is issued after machine restart. \\
Details: \\
Abnormal DMAC return value has been received two or more times (DMAC timeout, serial communication error etc.)
\end{tabular} \\
\hline & & HDD was not successfully converted during encryption key update due to HDD errors or cable noises. \\
\hline & & \begin{tabular}{l}
- Check HDD connection. \\
- Format the HDD. \\
- If there is a problem with the HDD, it has to be replaced.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline SC860-00 & B & HDD startup error at main power on (HDD error) \\
\hline & & \begin{tabular}{l}
- The HDD is connected but the driver detected the following errors. \\
- SS_NOT_READY:/* (-2)HDD does not become READY*/ \\
- SS_BAD_LABEL:/* (-4)Wrong partition type*/ \\
- SS_READ_ERROR:/* (-5)Error occurred while reading or checking the label*/ \\
- SS_WRITE_ERROR:/* (-6)Error occurred while writing or checking the label*/ \\
- SS_FS_ERROR:/* (-7)Failed to repair the filesystem*/ \\
- SS_MOUNT_ERROR:/* (-8)Failed to mount the filesystem*/ \\
- SS_COMMAND_ERROR:/* (-9)Drive not responding to command*/ \\
- SS_KERNEL_ERROR:/* (-10)Internal kernel error*/ \\
- SS_SIZE_ERROR:/* (-11)Drive size too small*/ \\
- SS_NO_PARTITION:/* (-12)The specified partition does not exist*/ \\
- SS_NO_FILE:/* (-13)Device file does not exist*/ \\
- Attempted to acquire HDD status through the driver but there has been no response for 30 seconds or more.
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Unformatted HDD \\
- Label data corrupted \\
- HDD defective
\end{tabular} \\
\hline & & Format the HDD through SP mode. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[b]{4}{*}{SC863-01} & \multirow[b]{4}{*}{D} & HDD data read failure \\
\hline & & The data written to the HDD cannot be read normally. \\
\hline & & \begin{tabular}{l}
Bad sectors were generated during operation. \\
(An error occurred in an area that does not belong to a partition, such as the disklabel area.)
\end{tabular} \\
\hline & & \begin{tabular}{l}
Guide for when to replace the HDD \\
1. When SC863 has occurred ten times or more \\
- The interval is short. \\
- Repeatedly occurs in the same situation (At power-on, etc.). \\
- Startup takes a long time when the main power is turned on. \\
2. It takes a long time after main power on for the operation panel to become ready. \\
HDD access may be consuming time. Normal HDD access time after main power on is about 5 seconds. If the machine is not waiting for the engine to be ready and it still takes 20 to 30 seconds or more, the HDD may be the cause. If there is a problem with the HDD, HDD-related SCs such as SC860 and SC863 will occur frequently. Print the SC log data and check them.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[t]{2}{*}{SC863-02} & D & HDD data read failure \\
\hline & & The data written to the HDD cannot be read normally. \\
\hline & & \begin{tabular}{l}
Bad sectors were generated during operation. \\
(An error occurred in partition "a".)
\end{tabular} \\
\hline & & \begin{tabular}{l}
Guide for when to replace the HDD \\
1. When SC863 has occurred ten times or more \\
- The interval is short. \\
- Repeatedly occurs in the same situation (At power-on, etc). \\
- Startup takes a long time when the main power is turned on. \\
2. It takes a long time after main power on for the operation panel to become ready. \\
HDD access may be consuming time. Normal HDD access time after main power on is about 5 seconds. If the machine is not waiting for the engine to be ready and it still takes 20 to 30 seconds or more, the HDD may be the cause. If there is a problem with the HDD, HDD-related SCs such as SC860 and SC863 will occur frequently. Print the SC log data and check them.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[b]{4}{*}{SC863-03} & \multirow[b]{4}{*}{D} & HDD data read failure \\
\hline & & The data written to the HDD cannot be read normally. \\
\hline & & Bad sectors were generated during operation. (An error occurred in partition "b".) \\
\hline & & \begin{tabular}{l}
Guide for when to replace the HDD \\
1. When SC863 has occurred ten times or more \\
- The interval is short. \\
- Repeatedly occurs in the same situation (At power-on, etc). \\
- Startup takes a long time when the main power is turned on. \\
2. It takes a long time after main power on for the operation panel to become ready. \\
HDD access may be consuming time. Normal HDD access time after main power on is about 5 seconds. If the machine is not waiting for the engine to be ready and it still takes 20 to 30 seconds or more, the HDD may be the cause. If there is a problem with the HDD, HDD-related SCs such as SC860 and SC863 will occur frequently. Print the SC log data and check them.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[b]{4}{*}{SC863-04} & \multirow[b]{4}{*}{D} & HDD data read failure \\
\hline & & The data written to the HDD cannot be read normally. \\
\hline & & \begin{tabular}{l}
Bad sectors were generated during operation. \\
(An error occurred in partition "c".)
\end{tabular} \\
\hline & & \begin{tabular}{l}
Guide for when to replace the HDD \\
1. When SC863 has occurred ten times or more \\
- The interval is short. \\
- Repeatedly occurs in the same situation (At power-on, etc). \\
- Startup takes a long time when the main power is turned on. \\
2. It takes a long time after main power on for the operation panel to become ready. \\
HDD access may be consuming time. Normal HDD access time after main power on is about 5 seconds. If the machine is not waiting for the engine to be ready and it still takes 20 to 30 seconds or more, the HDD may be the cause. If there is a problem with the HDD, HDD-related SCs such as SC860 and SC863 will occur frequently. Print the SC log data and check them.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[b]{4}{*}{SC863-05} & \multirow[b]{4}{*}{D} & HDD data read failure \\
\hline & & The data written to the HDD cannot be read normally. \\
\hline & & \begin{tabular}{l}
Bad sectors were generated during operation. \\
(An error occurred in partition "d".)
\end{tabular} \\
\hline & & \begin{tabular}{l}
Guide for when to replace the HDD \\
1. When SC863 has occurred ten times or more \\
- The interval is short. \\
- Repeatedly occurs in the same situation (At power-on, etc). \\
- Startup takes a long time when the main power is turned on. \\
2. It takes a long time after main power on for the operation panel to become ready. \\
HDD access may be consuming time. Normal HDD access time after main power on is about 5 seconds. If the machine is not waiting for the engine to be ready and it still takes 20 to 30 seconds or more, the HDD may be the cause. If there is a problem with the HDD, HDD-related SCs such as SC860 and SC863 will occur frequently. Print the SC log data and check them.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[b]{4}{*}{SC863-06} & \multirow[b]{4}{*}{D} & HDD data read failure \\
\hline & & The data written to the HDD cannot be read normally. \\
\hline & & \begin{tabular}{l}
Bad sectors were generated during operation. \\
(An error occurred in partition "e".)
\end{tabular} \\
\hline & & \begin{tabular}{l}
Guide for when to replace the HDD \\
1. When SC863 has occurred ten times or more \\
- The interval is short. \\
- Repeatedly occurs in the same situation (At power-on, etc). \\
- Startup takes a long time when the main power is turned on. \\
2. It takes a long time after main power on for the operation panel to become ready. \\
HDD access may be consuming time. Normal HDD access time after main power on is about 5 seconds. If the machine is not waiting for the engine to be ready and it still takes 20 to 30 seconds or more, the HDD may be the cause. If there is a problem with the HDD, HDD-related SCs such as SC860 and SC863 will occur frequently. Print the SC log data and check them.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[b]{4}{*}{SC863-07} & \multirow[b]{4}{*}{D} & HDD data read failure \\
\hline & & The data written to the HDD cannot be read normally. \\
\hline & & Bad sectors were generated during operation. (An error occurred in partition "f".) \\
\hline & & \begin{tabular}{l}
Guide for when to replace the HDD \\
1. When SC863 has occurred ten times or more \\
- The interval is short. \\
- Repeatedly occurs in the same situation (At power-on, etc). \\
- Startup takes a long time when the main power is turned on. \\
2. It takes a long time after main power on for the operation panel to become ready. \\
HDD access may be consuming time. Normal HDD access time after main power on is about 5 seconds. If the machine is not waiting for the engine to be ready and it still takes 20 to 30 seconds or more, the HDD may be the cause. If there is a problem with the HDD, HDD-related SCs such as SC860 and SC863 will occur frequently. Print the SC log data and check them.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[b]{4}{*}{SC863-08} & \multirow[b]{4}{*}{D} & HDD data read failure \\
\hline & & The data written to the HDD cannot be read normally. \\
\hline & & \begin{tabular}{l}
Bad sectors were generated during operation. \\
(An error occurred in partition "g".)
\end{tabular} \\
\hline & & \begin{tabular}{l}
Guide for when to replace the HDD \\
1. When SC863 has occurred ten times or more \\
- The interval is short. \\
- Repeatedly occurs in the same situation (At power-on, etc). \\
- Startup takes a long time when the main power is turned on. \\
2. It takes a long time after main power on for the operation panel to become ready. \\
HDD access may be consuming time. Normal HDD access time after main power on is about 5 seconds. If the machine is not waiting for the engine to be ready and it still takes 20 to 30 seconds or more, the HDD may be the cause. If there is a problem with the HDD, HDD-related SCs such as SC860 and SC863 will occur frequently. Print the SC log data and check them.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[b]{4}{*}{SC863-09} & \multirow[b]{4}{*}{D} & HDD data read failure \\
\hline & & The data written to the HDD cannot be read normally. \\
\hline & & \begin{tabular}{l}
Bad sectors were generated during operation. \\
(An error occurred in partition "h".)
\end{tabular} \\
\hline & & \begin{tabular}{l}
Guide for when to replace the HDD \\
1. When SC863 has occurred ten times or more \\
- The interval is short. \\
- Repeatedly occurs in the same situation (At power-on, etc). \\
- Startup takes a long time when the main power is turned on. \\
2. It takes a long time after main power on for the operation panel to become ready. \\
HDD access may be consuming time. Normal HDD access time after main power on is about 5 seconds. If the machine is not waiting for the engine to be ready and it still takes 20 to 30 seconds or more, the HDD may be the cause. If there is a problem with the HDD, HDD-related SCs such as SC860 and SC863 will occur frequently. Print the SC log data and check them.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[b]{4}{*}{SC863-10} & \multirow[b]{4}{*}{D} & HDD data read failure \\
\hline & & The data written to the HDD cannot be read normally. \\
\hline & & \begin{tabular}{l}
Bad sectors were generated during operation. \\
(An error occurred in partition "i".)
\end{tabular} \\
\hline & & \begin{tabular}{l}
Guide for when to replace the HDD \\
1. When SC863 has occurred ten times or more \\
- The interval is short. \\
- Repeatedly occurs in the same situation (At power-on, etc). \\
- Startup takes a long time when the main power is turned on. \\
2. It takes a long time after main power on for the operation panel to become ready. \\
HDD access may be consuming time. Normal HDD access time after main power on is about 5 seconds. If the machine is not waiting for the engine to be ready and it still takes 20 to 30 seconds or more, the HDD may be the cause. If there is a problem with the HDD, HDD-related SCs such as SC860 and SC863 will occur frequently. Print the SC log data and check them.
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\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[b]{4}{*}{SC863-11} & \multirow[b]{4}{*}{D} & HDD data read failure \\
\hline & & The data written to the HDD cannot be read normally. \\
\hline & & Bad sectors were generated during operation. (An error occurred in partition "j".) \\
\hline & & \begin{tabular}{l}
Guide for when to replace the HDD \\
1. When SC863 has occurred ten times or more \\
- The interval is short. \\
- Repeatedly occurs in the same situation (At power-on, etc). \\
- Startup takes a long time when the main power is turned on. \\
2. It takes a long time after main power on for the operation panel to become ready. \\
HDD access may be consuming time. Normal HDD access time after main power on is about 5 seconds. If the machine is not waiting for the engine to be ready and it still takes 20 to 30 seconds or more, the HDD may be the cause. If there is a problem with the HDD, HDD-related SCs such as SC860 and SC863 will occur frequently. Print the SC log data and check them.
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\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[b]{4}{*}{SC863-12} & \multirow[b]{4}{*}{D} & HDD data read failure \\
\hline & & The data written to the HDD cannot be read normally. \\
\hline & & \begin{tabular}{l}
Bad sectors were generated during operation. \\
(An error occurred in partition "k".)
\end{tabular} \\
\hline & & \begin{tabular}{l}
Guide for when to replace the HDD \\
1. When SC863 has occurred ten times or more \\
- The interval is short. \\
- Repeatedly occurs in the same situation (At power-on, etc). \\
- Startup takes a long time when the main power is turned on. \\
2. It takes a long time after main power on for the operation panel to become ready. \\
HDD access may be consuming time. Normal HDD access time after main power on is about 5 seconds. If the machine is not waiting for the engine to be ready and it still takes 20 to 30 seconds or more, the HDD may be the cause. If there is a problem with the HDD, HDD-related SCs such as SC860 and SC863 will occur frequently. Print the SC log data and check them.
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\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[b]{4}{*}{SC863-13} & \multirow[b]{4}{*}{D} & HDD data read failure \\
\hline & & The data written to the HDD cannot be read normally. \\
\hline & & \begin{tabular}{l}
Bad sectors were generated during operation. \\
(An error occurred in partition "I".)
\end{tabular} \\
\hline & & \begin{tabular}{l}
Guide for when to replace the HDD \\
1. When SC863 has occurred ten times or more \\
- The interval is short. \\
- Repeatedly occurs in the same situation (At power-on, etc). \\
- Startup takes a long time when the main power is turned on. \\
2. It takes a long time after main power on for the operation panel to become ready. \\
HDD access may be consuming time. Normal HDD access time after main power on is about 5 seconds. If the machine is not waiting for the engine to be ready and it still takes 20 to 30 seconds or more, the HDD may be the cause. If there is a problem with the HDD, HDD-related SCs such as SC860 and SC863 will occur frequently. Print the SC log data and check them.
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\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[b]{4}{*}{SC863-14} & \multirow[b]{4}{*}{D} & HDD data read failure \\
\hline & & The data written to the HDD cannot be read normally. \\
\hline & & \begin{tabular}{l}
Bad sectors were generated during operation. \\
(An error occurred in partition "m".)
\end{tabular} \\
\hline & & \begin{tabular}{l}
Guide for when to replace the HDD \\
1. When SC863 has occurred ten times or more \\
- The interval is short. \\
- Repeatedly occurs in the same situation (At power-on, etc). \\
- Startup takes a long time when the main power is turned on. \\
2. It takes a long time after main power on for the operation panel to become ready. \\
HDD access may be consuming time. Normal HDD access time after main power on is about 5 seconds. If the machine is not waiting for the engine to be ready and it still takes 20 to 30 seconds or more, the HDD may be the cause. If there is a problem with the HDD, HDD-related SCs such as SC860 and SC863 will occur frequently. Print the SC log data and check them.
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\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[b]{4}{*}{SC863-15} & \multirow[b]{4}{*}{D} & HDD data read failure \\
\hline & & The data written to the HDD cannot be read normally. \\
\hline & & Bad sectors were generated during operation. (An error occurred in partition " n ".) \\
\hline & & \begin{tabular}{l}
Guide for when to replace the HDD \\
1. When SC863 has occurred ten times or more \\
- The interval is short. \\
- Repeatedly occurs in the same situation (At power-on, etc.). \\
- Startup takes a long time when the main power is turned on. \\
2. It takes a long time after main power on for the operation panel to become ready. \\
HDD access may be consuming time. Normal HDD access time after main power on is about 5 seconds. If the machine is not waiting for the engine to be ready and it still takes 20 to 30 seconds or more, the HDD may be the cause. If there is a problem with the HDD, HDD-related SCs such as SC860 and SC863 will occur frequently. Print the SC log data and check them.
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\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[b]{4}{*}{SC863-16} & \multirow[b]{4}{*}{D} & HDD data read failure \\
\hline & & The data written to the HDD cannot be read normally. \\
\hline & & \begin{tabular}{l}
Bad sectors were generated during operation. \\
(An error occurred in partition "0".)
\end{tabular} \\
\hline & & \begin{tabular}{l}
Guide for when to replace the HDD \\
1. When SC863 has occurred ten times or more \\
- The interval is short. \\
- Repeatedly occurs in the same situation (At power-on, etc.). \\
- Startup takes a long time when the main power is turned on. \\
2. It takes a long time after main power on for the operation panel to become ready. \\
HDD access may be consuming time. Normal HDD access time after main power on is about 5 seconds. If the machine is not waiting for the engine to be ready and it still takes 20 to 30 seconds or more, the HDD may be the cause. If there is a problem with the HDD, HDD-related SCs such as SC860 and SC863 will occur frequently. Print the SC log data and check them.
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\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[b]{4}{*}{SC863-17} & \multirow[b]{4}{*}{D} & HDD data read failure \\
\hline & & The data written to the HDD cannot be read normally. \\
\hline & & Bad sectors were generated during operation. (An error occurred in partition "p".) \\
\hline & & \begin{tabular}{l}
Guide for when to replace the HDD \\
1. When SC863 has occurred ten times or more \\
- The interval is short. \\
- Repeatedly occurs in the same situation (At power-on, etc.). \\
- Startup takes a long time when the main power is turned on. \\
2. It takes a long time after main power on for the operation panel to become ready. \\
HDD access may be consuming time. Normal HDD access time after main power on is about 5 seconds. If the machine is not waiting for the engine to be ready and it still takes 20 to 30 seconds or more, the HDD may be the cause. If there is a problem with the HDD, HDD-related SCs such as SC860 and SC863 will occur frequently. Print the SC log data and check them.
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\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[b]{4}{*}{SC863-18} & \multirow[b]{4}{*}{D} & HDD data read failure \\
\hline & & The data written to the HDD cannot be read normally. \\
\hline & & \begin{tabular}{l}
Bad sectors were generated during operation. \\
(An error occurred in partition "q".)
\end{tabular} \\
\hline & & \begin{tabular}{l}
Guide for when to replace the HDD \\
1. When SC863 has occurred ten times or more \\
- The interval is short. \\
- Repeatedly occurs in the same situation (At power-on, etc.). \\
- Startup takes a long time when the main power is turned on. \\
2. It takes a long time after main power on for the operation panel to become ready. \\
HDD access may be consuming time. Normal HDD access time after main power on is about 5 seconds. If the machine is not waiting for the engine to be ready and it still takes 20 to 30 seconds or more, the HDD may be the cause. If there is a problem with the HDD, HDD-related SCs such as SC860 and SC863 will occur frequently. Print the SC log data and check them.
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\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[b]{4}{*}{SC863-19} & \multirow[b]{4}{*}{D} & HDD data read failure \\
\hline & & The data written to the HDD cannot be read normally. \\
\hline & & Bad sectors were generated during operation. (An error occurred in partition "r.) \\
\hline & & \begin{tabular}{l}
Guide for when to replace the HDD \\
1. When SC863 has occurred ten times or more \\
- The interval is short. \\
- Repeatedly occurs in the same situation (At power-on, etc.). \\
- Startup takes a long time when the main power is turned on. \\
2. It takes a long time after main power on for the operation panel to become ready. \\
HDD access may be consuming time. Normal HDD access time after main power on is about 5 seconds. If the machine is not waiting for the engine to be ready and it still takes 20 to 30 seconds or more, the HDD may be the cause. If there is a problem with the HDD, HDD-related SCs such as SC860 and SC863 will occur frequently. Print the SC log data and check them.
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\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[b]{4}{*}{SC863-20} & \multirow[b]{4}{*}{D} & HDD data read failure \\
\hline & & The data written to the HDD cannot be read normally. \\
\hline & & Bad sectors were generated during operation. (An error occurred in partition "r.) \\
\hline & & \begin{tabular}{l}
Guide for when to replace the HDD \\
1. When SC863 has occurred ten times or more \\
- The interval is short. \\
- Repeatedly occurs in the same situation (At power-on, etc.). \\
- Startup takes a long time when the main power is turned on. \\
2. It takes a long time after main power on for the operation panel to become ready. \\
HDD access may be consuming time. Normal HDD access time after main power on is about 5 seconds. If the machine is not waiting for the engine to be ready and it still takes 20 to 30 seconds or more, the HDD may be the cause. If there is a problem with the HDD, HDD-related SCs such as SC860 and SC863 will occur frequently. Print the SC log data and check them.
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\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[b]{4}{*}{SC863-21} & \multirow[b]{4}{*}{D} & HDD data read failure \\
\hline & & The data written to the HDD cannot be read normally. \\
\hline & & \begin{tabular}{l}
Bad sectors were generated during operation. \\
(An error occurred in partition "t)
\end{tabular} \\
\hline & & \begin{tabular}{l}
Guide for when to replace the HDD \\
1. When SC863 has occurred ten times or more \\
- The interval is short. \\
- Repeatedly occurs in the same situation (At power-on, etc.). \\
- Startup takes a long time when the main power is turned on. \\
2. It takes a long time after main power on for the operation panel to become ready. \\
HDD access may be consuming time. Normal HDD access time after main power on is about 5 seconds. If the machine is not waiting for the engine to be ready and it still takes 20 to 30 seconds or more, the HDD may be the cause. If there is a problem with the HDD, HDD-related SCs such as SC860 and SC863 will occur frequently. Print the SC log data and check them.
\end{tabular} \\
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\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[b]{4}{*}{SC863-22} & \multirow[b]{4}{*}{D} & HDD data read failure \\
\hline & & The data written to the HDD cannot be read normally. \\
\hline & & \begin{tabular}{l}
Bad sectors were generated during operation. \\
(An error occurred in partition "u".)
\end{tabular} \\
\hline & & \begin{tabular}{l}
Guide for when to replace the HDD \\
1. When SC863 has occurred ten times or more \\
- The interval is short. \\
- Repeatedly occurs in the same situation (At power-on, etc.). \\
- Startup takes a long time when the main power is turned on. \\
2. It takes a long time after main power on for the operation panel to become ready. \\
HDD access may be consuming time. Normal HDD access time after main power on is about 5 seconds. If the machine is not waiting for the engine to be ready and it still takes 20 to 30 seconds or more, the HDD may be the cause. If there is a problem with the HDD, HDD-related SCs such as SC860 and SC863 will occur frequently. Print the SC log data and check them.
\end{tabular} \\
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\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[b]{4}{*}{SC863-23} & \multirow[b]{4}{*}{D} & HDD data read failure \\
\hline & & The data written to the HDD cannot be read normally. \\
\hline & & \begin{tabular}{l}
Bad sectors were generated during operation. \\
(An error occurred in partition "y".)
\end{tabular} \\
\hline & & \begin{tabular}{l}
Guide for when to replace the HDD \\
1. When SC863 has occurred ten times or more \\
- The interval is short. \\
- Repeatedly occurs in the same situation (At power-on, etc.). \\
- Startup takes a long time when the main power is turned on. \\
2. It takes a long time after main power on for the operation panel to become ready. \\
HDD access may be consuming time. Normal HDD access time after main power on is about 5 seconds. If the machine is not waiting for the engine to be ready and it still takes 20 to 30 seconds or more, the HDD may be the cause. If there is a problem with the HDD, HDD-related SCs such as SC860 and SC863 will occur frequently. Print the SC log data and check them.
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\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow{4}{*}{SC864-01} & \multirow{4}{*}{D} & HDD data CRC error \\
\hline & & During HDD operation, the HDD returned a CRC error. \\
\hline & & \begin{tabular}{l}
Bad sectors were generated during operation. \\
(An error occurred in an area that does not belong to a partition, such as the disklabel area.)
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Format the HDD. \\
- Replace the HDD.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow{4}{*}{SC864-02} & \multirow{4}{*}{D} & HDD data CRC error \\
\hline & & During HDD operation, the HDD returned a CRC error. \\
\hline & & \begin{tabular}{l}
Bad sectors were generated during operation. \\
(An error occurred in partition "a".)
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Format the HDD. \\
- Replace the HDD.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow{4}{*}{SC864-03} & \multirow{4}{*}{D} & HDD data CRC error \\
\hline & & During HDD operation, the HDD returned a CRC error. \\
\hline & & \begin{tabular}{l}
Bad sectors were generated during operation. \\
(An error occurred in partition "b".)
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Format the HDD. \\
- Replace the HDD.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow{4}{*}{SC864-04} & \multirow{4}{*}{D} & HDD data CRC error \\
\hline & & During HDD operation, the HDD returned a CRC error. \\
\hline & & \begin{tabular}{l}
Bad sectors were generated during operation. \\
(An error occurred in partition "c".)
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Format the HDD. \\
- Replace the HDD.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow{4}{*}{SC864-05} & \multirow{4}{*}{D} & HDD data CRC error \\
\hline & & During HDD operation, the HDD returned a CRC error. \\
\hline & & Bad sectors were generated during operation. (An error occurred in partition "d".) \\
\hline & & \begin{tabular}{l}
- Format the HDD. \\
- Replace the HDD.
\end{tabular} \\
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\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow{4}{*}{SC864-06} & \multirow{4}{*}{D} & HDD data CRC error \\
\hline & & During HDD operation, the HDD returned a CRC error. \\
\hline & & \begin{tabular}{l}
Bad sectors were generated during operation. \\
(An error occurred in partition "e".)
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Format the HDD. \\
- Replace the HDD.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow{4}{*}{SC864-07} & \multirow{4}{*}{D} & HDD data CRC error \\
\hline & & During HDD operation, the HDD returned a CRC error. \\
\hline & & Bad sectors were generated during operation. (An error occurred in partition "f".) \\
\hline & & \begin{tabular}{l}
- Format the HDD. \\
- Replace the HDD.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow{4}{*}{SC864-08} & \multirow{4}{*}{D} & HDD data CRC error \\
\hline & & During HDD operation, the HDD returned a CRC error. \\
\hline & & \begin{tabular}{l}
Bad sectors were generated during operation. \\
(An error occurred in partition " g ".)
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Format the HDD. \\
- Replace the HDD.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow{4}{*}{SC864-09} & \multirow{4}{*}{D} & HDD data CRC error \\
\hline & & During HDD operation, the HDD returned a CRC error. \\
\hline & & \begin{tabular}{l}
Bad sectors were generated during operation. \\
(An error occurred in partition "h".)
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Format the HDD. \\
- Replace the HDD.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow{4}{*}{SC864-10} & \multirow{4}{*}{D} & HDD data CRC error \\
\hline & & During HDD operation, the HDD returned a CRC error. \\
\hline & & \begin{tabular}{l}
Bad sectors were generated during operation. \\
(An error occurred in partition "i".)
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Format the HDD. \\
- Replace the HDD.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow{4}{*}{SC864-11} & \multirow{4}{*}{D} & HDD data CRC error \\
\hline & & During HDD operation, the HDD returned a CRC error. \\
\hline & & Bad sectors were generated during operation. (An error occurred in partition "j".) \\
\hline & & \begin{tabular}{l}
- Format the HDD. \\
- Replace the HDD.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow{4}{*}{SC864-12} & \multirow{4}{*}{D} & HDD data CRC error \\
\hline & & During HDD operation, the HDD returned a CRC error. \\
\hline & & \begin{tabular}{l}
Bad sectors were generated during operation. \\
(An error occurred in partition " \(k\) ".)
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Format the HDD. \\
- Replace the HDD.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow{4}{*}{SC864-13} & \multirow{4}{*}{D} & HDD data CRC error \\
\hline & & During HDD operation, the HDD returned a CRC error. \\
\hline & & Bad sectors were generated during operation. (An error occurred in partition "I".) \\
\hline & & \begin{tabular}{l}
- Format the HDD. \\
- Replace the HDD.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow{4}{*}{SC864-14} & \multirow{4}{*}{D} & HDD data CRC error \\
\hline & & During HDD operation, the HDD returned a CRC error. \\
\hline & & \begin{tabular}{l}
Bad sectors were generated during operation. \\
(An error occurred in partition "m".)
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Format the HDD. \\
- Replace the HDD.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow{4}{*}{SC864-15} & \multirow{4}{*}{D} & HDD data CRC error \\
\hline & & During HDD operation, the HDD returned a CRC error. \\
\hline & & \begin{tabular}{l}
Bad sectors were generated during operation. \\
(An error occurred in partition "n".)
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Format the HDD. \\
- Replace the HDD.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow{4}{*}{SC864-16} & \multirow{4}{*}{D} & HDD data CRC error \\
\hline & & During HDD operation, the HDD returned a CRC error. \\
\hline & & \begin{tabular}{l}
Bad sectors were generated during operation. \\
(An error occurred in partition "0".)
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Format the HDD. \\
- Replace the HDD.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow{4}{*}{SC864-17} & \multirow{4}{*}{D} & HDD data CRC error \\
\hline & & During HDD operation, the HDD returned a CRC error. \\
\hline & & Bad sectors were generated during operation. (An error occurred in partition "p".) \\
\hline & & \begin{tabular}{l}
- Format the HDD. \\
- Replace the HDD.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow{4}{*}{SC864-18} & \multirow{4}{*}{D} & HDD data CRC error \\
\hline & & During HDD operation, the HDD returned a CRC error. \\
\hline & & \begin{tabular}{l}
Bad sectors were generated during operation. \\
(An error occurred in partition "q".)
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Format the HDD. \\
- Replace the HDD.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow{4}{*}{SC864-19} & \multirow{4}{*}{D} & HDD data CRC error \\
\hline & & During HDD operation, the HDD returned a CRC error. \\
\hline & & \begin{tabular}{l}
Bad sectors were generated during operation. \\
(An error occurred in partition "r".)
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Format the HDD. \\
- Replace the HDD.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow{4}{*}{SC864-20} & \multirow{4}{*}{D} & HDD data CRC error \\
\hline & & During HDD operation, the HDD returned a CRC error. \\
\hline & & \begin{tabular}{l}
Bad sectors were generated during operation. \\
(An error occurred in partition "s".)
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Format the HDD. \\
- Replace the HDD.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow{4}{*}{SC864-21} & \multirow{4}{*}{D} & HDD data CRC error \\
\hline & & During HDD operation, the HDD returned a CRC error. \\
\hline & & \begin{tabular}{l}
Bad sectors were generated during operation. \\
(An error occurred in partition "t".)
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Format the HDD. \\
- Replace the HDD.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow{4}{*}{SC864-22} & \multirow{4}{*}{D} & HDD data CRC error \\
\hline & & During HDD operation, the HDD returned a CRC error. \\
\hline & & \begin{tabular}{l}
Bad sectors were generated during operation. \\
(An error occurred in partition "u".)
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Format the HDD. \\
- Replace the HDD.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow{4}{*}{SC864-23} & \multirow{4}{*}{D} & HDD data CRC error \\
\hline & & During HDD operation, the HDD returned a CRC error. \\
\hline & & Bad sectors were generated during operation. (An error occurred in partition " v ".) \\
\hline & & \begin{tabular}{l}
- Format the HDD. \\
- Replace the HDD.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow{4}{*}{SC865-00} & \multirow{4}{*}{D} & HDD access error \\
\hline & & During HDD operation, the HDD returned an error. \\
\hline & & The HDD returned an error that does not constitute SC863 (bad sector) or SC864 (CRC error). \\
\hline & & Replace the HDD. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|l|}
\hline SC No. & Level & \multicolumn{1}{c|}{ Error Name/Error Condition/Major Cause/Solution } \\
\hline \multirow{4}{*}{ SC865-01 } & \multirow{3}{|c|}{\begin{tabular}{l} 
HDD access error
\end{tabular}} \\
\cline { 3 - 5 } & During HDD operation, the HDD returned an error. \\
\cline { 3 - 5 } & \begin{tabular}{l} 
The HDD returned an error that does not constitute SC863 (bad \\
sector) or SC864 (CRC error). \\
(An error occurred in an area that does not belong to a partition, \\
such as the disklabel area.)
\end{tabular} \\
\hline & Replace the HDD. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|l|}
\hline SC No. & Level & \multicolumn{1}{c|}{ Error Name/Error Condition/Major Cause/Solution } \\
\hline \multirow{4}{*}{ SC865-02 } & & D \\
\cline { 3 - 4 } & & \begin{tabular}{l} 
HDD access error \\
\cline { 3 - 3 } \\
\hline
\end{tabular} \\
\begin{tabular}{l} 
The HDD returned an error that does not constitute SC863 (bad \\
sector) or SC864 (CRC error). \\
(An error occurred in partition "a".)
\end{tabular} \\
\cline { 3 - 4 } & Replace the HDD. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow{4}{*}{SC865-03} & \multirow{4}{*}{D} & HDD access error \\
\hline & & During HDD operation, the HDD returned an error. \\
\hline & & \begin{tabular}{l}
The HDD returned an error that does not constitute SC863 (bad sector) or SC864 (CRC error). \\
(An error occurred in partition "b".)
\end{tabular} \\
\hline & & Replace the HDD. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow{4}{*}{SC865-03} & \multirow{4}{*}{D} & HDD access error \\
\hline & & During HDD operation, the HDD returned an error. \\
\hline & & \begin{tabular}{l}
The HDD returned an error that does not constitute SC863 (bad sector) or SC864 (CRC error). \\
(An error occurred in partition "c".)
\end{tabular} \\
\hline & & Replace the HDD. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|l|}
\hline SC No. & Level & \multicolumn{1}{c|}{ Error Name/Error Condition/Major Cause/Solution } \\
\hline \multirow{4}{*}{ SC865-05 } & & D \\
\cline { 3 - 4 } & & \begin{tabular}{l} 
HDD access error \\
\cline { 3 - 3 } \\
\hline
\end{tabular} \\
\begin{tabular}{l} 
The HDD returned an error that does not constitute SC863 (bad \\
sector) or SC864 (CRC error). \\
(An error occurred in partition "d".)
\end{tabular} \\
\cline { 3 - 4 } & Replace the HDD. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|l|}
\hline SC No. & Level & \multicolumn{1}{c|}{ Error Name/Error Condition/Major Cause/Solution } \\
\hline \multirow{4}{*}{ SC865-06 } & & DDD access error \\
\cline { 3 - 4 } & & \begin{tabular}{l} 
During HDD operation, the HDD returned an error.
\end{tabular} \\
\cline { 3 - 4 } & \begin{tabular}{l} 
The HDD returned an error that does not constitute SC863 (bad \\
sector) or SC864 (CRC error). \\
(An error occurred in partition "e".)
\end{tabular} \\
\cline { 3 - 4 } & Replace the HDD. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow{4}{*}{SC865-07} & \multirow{4}{*}{D} & HDD access error \\
\hline & & During HDD operation, the HDD returned an error. \\
\hline & & \begin{tabular}{l}
The HDD returned an error that does not constitute SC863 (bad sector) or SC864 (CRC error). \\
(An error occurred in partition "f".)
\end{tabular} \\
\hline & & Replace the HDD. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow{4}{*}{SC865-08} & \multirow{4}{*}{D} & HDD access error \\
\hline & & During HDD operation, the HDD returned an error. \\
\hline & & \begin{tabular}{l}
The HDD returned an error that does not constitute SC863 (bad sector) or SC864 (CRC error). \\
(An error occurred in partition " g ".)
\end{tabular} \\
\hline & & Replace the HDD. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow{4}{*}{SC865-09} & \multirow{4}{*}{D} & HDD access error \\
\hline & & During HDD operation, the HDD returned an error. \\
\hline & & \begin{tabular}{l}
The HDD returned an error that does not constitute SC863 (bad sector) or SC864 (CRC error). \\
(An error occurred in partition " h ".)
\end{tabular} \\
\hline & & Replace the HDD. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow{4}{*}{SC865-10} & \multirow{4}{*}{D} & HDD access error \\
\hline & & During HDD operation, the HDD returned an error. \\
\hline & & \begin{tabular}{l}
The HDD returned an error that does not constitute SC863 (bad sector) or SC864 (CRC error). \\
(An error occurred in partition "i".)
\end{tabular} \\
\hline & & Replace the HDD. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|l|}
\hline SC No. & Level & \multicolumn{1}{c|}{ Error Name/Error Condition/Major Cause/Solution } \\
\hline \multirow{4}{*}{ SC865-11 } & & D \\
\cline { 3 - 4 } & & \begin{tabular}{l} 
HDD access error \\
\cline { 3 - 3 } \\
\hline
\end{tabular} \\
\begin{tabular}{l} 
The HDD returned an error that does not constitute SC863 (bad \\
sector) or SC864 (CRC error). \\
(An error occurred in partition "j".)
\end{tabular} \\
\cline { 3 - 4 } & Replace the HDD. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow{4}{*}{SC865-12} & \multirow{4}{*}{D} & HDD access error \\
\hline & & During HDD operation, the HDD returned an error. \\
\hline & & \begin{tabular}{l}
The HDD returned an error that does not constitute SC863 (bad sector) or SC864 (CRC error). \\
(An error occurred in partition " k ".)
\end{tabular} \\
\hline & & Replace the HDD. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow{4}{*}{SC865-13} & \multirow{4}{*}{D} & HDD access error \\
\hline & & During HDD operation, the HDD returned an error. \\
\hline & & \begin{tabular}{l}
The HDD returned an error that does not constitute SC863 (bad sector) or SC864 (CRC error). \\
(An error occurred in partition "I".)
\end{tabular} \\
\hline & & Replace the HDD. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|l|}
\hline SC No. & Level & \multicolumn{1}{c|}{ Error Name/Error Condition/Major Cause/Solution } \\
\hline \multirow{4}{*}{ SC865-14 } & & D \\
\cline { 3 - 4 } & & \begin{tabular}{l} 
DDD access error \\
\cline { 3 - 3 } \\
\hline
\end{tabular} \\
\begin{tabular}{l} 
The HDD returned an error that does not constitute SC863 (bad \\
sector) or SC864 (CRC error). \\
(An error occurred in partition "m".)
\end{tabular} \\
\cline { 3 - 4 } & Replace the HDD. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow{4}{*}{SC865-15} & \multirow{4}{*}{D} & HDD access error \\
\hline & & During HDD operation, the HDD returned an error. \\
\hline & & \begin{tabular}{l}
The HDD returned an error that does not constitute SC863 (bad sector) or SC864 (CRC error). \\
(An error occurred in partition "n".)
\end{tabular} \\
\hline & & Replace the HDD. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow{4}{*}{SC865-16} & \multirow{4}{*}{D} & HDD access error \\
\hline & & During HDD operation, the HDD returned an error. \\
\hline & & \begin{tabular}{l}
The HDD returned an error that does not constitute SC863 (bad sector) or SC864 (CRC error). \\
(An error occurred in partition "o".)
\end{tabular} \\
\hline & & Replace the HDD. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow{4}{*}{SC865-17} & \multirow{4}{*}{D} & HDD access error \\
\hline & & During HDD operation, the HDD returned an error. \\
\hline & & \begin{tabular}{l}
The HDD returned an error that does not constitute SC863 (bad sector) or SC864 (CRC error). \\
(An error occurred in partition "p".)
\end{tabular} \\
\hline & & Replace the HDD. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow{4}{*}{SC865-18} & \multirow{4}{*}{D} & HDD access error \\
\hline & & During HDD operation, the HDD returned an error. \\
\hline & & \begin{tabular}{l}
The HDD returned an error that does not constitute SC863 (bad sector) or SC864 (CRC error). \\
(An error occurred in partition "q".)
\end{tabular} \\
\hline & & Replace the HDD. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow{4}{*}{SC865-19} & \multirow{4}{*}{D} & HDD access error \\
\hline & & During HDD operation, the HDD returned an error. \\
\hline & & \begin{tabular}{l}
The HDD returned an error that does not constitute SC863 (bad sector) or SC864 (CRC error). \\
(An error occurred in partition "r".)
\end{tabular} \\
\hline & & Replace the HDD. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow{4}{*}{SC865-20} & \multirow{4}{*}{D} & HDD access error \\
\hline & & During HDD operation, the HDD returned an error. \\
\hline & & \begin{tabular}{l}
The HDD returned an error that does not constitute SC863 (bad sector) or SC864 (CRC error). \\
(An error occurred in partition "s".)
\end{tabular} \\
\hline & & Replace the HDD. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|l|}
\hline SC No. & Level & \multicolumn{1}{c|}{ Error Name/Error Condition/Major Cause/Solution } \\
\hline \multirow{4}{*}{ SC865-21 } & & D \\
\cline { 3 - 4 } & & \begin{tabular}{l} 
HDD access error \\
\cline { 3 - 4 } \\
\end{tabular} \\
\begin{tabular}{l} 
The HDD returned an error that does not constitute SC863 (bad \\
sector) or SC864 (CRC error). \\
(An error occurred in partition "t".)
\end{tabular} \\
\cline { 3 - 4 } & Replace the HDD. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow{4}{*}{SC865-22} & \multirow{4}{*}{D} & HDD access error \\
\hline & & During HDD operation, the HDD returned an error. \\
\hline & & \begin{tabular}{l}
The HDD returned an error that does not constitute SC863 (bad sector) or SC864 (CRC error). \\
(An error occurred in partition "u".)
\end{tabular} \\
\hline & & Replace the HDD. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|l|}
\hline SC No. & Level & \multicolumn{1}{c|}{ Error Name/Error Condition/Major Cause/Solution } \\
\hline \multirow{4}{*}{ SC865-23 } & & D \\
\cline { 3 - 4 } & & \begin{tabular}{l} 
HDD access error \\
\cline { 3 - 3 } \\
\hline
\end{tabular} \\
\begin{tabular}{l} 
The HDD returned an error that does not constitute SC863 (bad \\
sector) or SC864 (CRC error). \\
(An error occurred in partition "v".)
\end{tabular} \\
\cline { 3 - 4 } & Replace the HDD. \\
\hline
\end{tabular}
\begin{tabular}{|l|c|l|}
\hline \multicolumn{4}{|c|}{ SC No. } & Level & \multicolumn{1}{|c|}{ Error Name/Error Condition/Major Cause/Solution } \\
\hline \multirow{4}{*}{ SC866-00 } & & BD card authentication error \\
\cline { 3 - 4 } & & \begin{tabular}{l} 
A license error of an application that is started from the SD card \\
was detected.
\end{tabular} \\
\cline { 3 - 5 } & & Invalid program data is stored on the SD card. \\
\cline { 3 - 4 } & & Store a valid program data on the SD card. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow{4}{*}{SC867-00} & \multirow{4}{*}{D} & SD card removed \\
\hline & & The SD card that starts an application was removed from the slot. \\
\hline & & The SD card that starts an application was removed from the slot (mount point of \(/ \mathrm{mnt} / \mathrm{sd} 0\) ). \\
\hline & & Turn the main power off/on. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow{4}{*}{SC867-01} & \multirow{4}{*}{D} & SD card removed \\
\hline & & The SD card that starts an application was removed from the slot. \\
\hline & & The SD card that starts an application was removed from the slot (mount point of /mnt/sd1). \\
\hline & & Turn the main power off/on. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow{4}{*}{SC867-02} & \multirow{4}{*}{D} & SD card removed \\
\hline & & The SD card that starts an application was removed from the slot. \\
\hline & & The SD card that starts an application was removed from the slot (mount point of /mnt/sd2). \\
\hline & & Turn the main power off/on. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow{4}{*}{SC868-00} & \multirow{4}{*}{D} & SD card access error \\
\hline & & The SD controller returned an error during operation. (Error occurred at the mount point of \(/ \mathrm{mnt} / \mathrm{sd} 0\) ) \\
\hline & & \begin{tabular}{l}
- SD card defective \\
- SD controller defective
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Reformat the SD card (using the "SD Formatter" made by Panasonic).* \\
- Check the SD card insertion status. \\
- Replace the SD card. \\
- Replace the controller board.
\end{tabular} \\
\hline
\end{tabular}

\footnotetext{
* Do not format an SD card supplied with the main machine or sold as an option. You may only format SD cards used for Firmware Update by a Customer Engineer.
}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow{3}{*}{SC868-01} & \multirow{3}{*}{D} & SD card access error \\
\hline & & \begin{tabular}{l}
The SD controller returned an error during operation. \\
(Error occurred at the mount point of \(/ \mathrm{mnt} / \mathrm{sd} 1\) )
\end{tabular} \\
\hline & & \begin{tabular}{l}
- SD card defective \\
- SD controller defective
\end{tabular} \\
\hline & & \begin{tabular}{l}
SD card that starts an application \\
- Turn the main power off and check the SD card insertion status. \\
- If no problem is found, insert the SD card and turn the main power on. \\
- If an error occurs, replace the SD card. \\
- SD card for users \\
- In case of a file system error, reformat the SD card (using the "SD Formatter" made by Panasonic).* \\
- In case of a device access error, turn the main power off and check the SD card insertion status. \\
- If no problem is found, insert the SD card and turn the main power on. \\
- If an error occurs, use another SD card.
\end{tabular} \\
\hline
\end{tabular}
* Do not format an SD card supplied with the main machine or sold as an option. You may only format SD
cards used for Firmware Update by a Customer Engineer.
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow{3}{*}{SC868-02} & \multirow{3}{*}{D} & SD card access error \\
\hline & & The SD controller returned an error during operation. (Error occurred at the mount point of \(/ \mathrm{mnt} / \mathrm{sd} 1\) ) \\
\hline & & \begin{tabular}{l}
- SD card defective \\
- SD controller defective
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline & & \begin{tabular}{l}
SD card that starts an application \\
- Turn the main power off and check the SD card insertion status. \\
- If no problem is found, insert the SD card and turn the main power on. \\
- If an error occurs, replace the SD card. \\
- SD card for users \\
- In case of a file system error, reformat the SD card (using the "SD Formatter" made by Panasonic).* \\
- In case of a device access error, turn the main power off and check the SD card insertion status. \\
- If no problem is found, insert the SD card and turn the main power on. \\
If an error occurs, use another SD card.
\end{tabular} \\
\hline
\end{tabular}
* Do not format an SD card supplied with the main machine or sold as an option. You may only format SD cards used for Firmware Update by a Customer Engineer.
\begin{tabular}{|c|c|l|}
\hline SC No. & Level & \multicolumn{1}{|c|}{ Error Name/Error Condition/Major Cause/Solution } \\
\hline SC870-00 & B & Address Book data error (Anytime: Address Book Error.) \\
\hline SC870-01 & B & \begin{tabular}{l} 
Address Book data error (On startup: Media required for storing \\
the Address Book is missing.)
\end{tabular} \\
\hline SC870-02 & B & \begin{tabular}{l} 
Address Book data error (On startup: encryption is configured \\
but the module required for encryption (DESS) is missing.)
\end{tabular} \\
\hline SC870-03 & B & \begin{tabular}{l} 
Address Book data error (Initialization: Failed to generate a file \\
to store internal Address Book.)
\end{tabular} \\
\hline SC870-04 & B & \begin{tabular}{l} 
Address Book data error (Initialization: Failed to generate a file \\
to store delivery sender.)
\end{tabular} \\
\hline SC870-05 & B & \begin{tabular}{l} 
Address Book data error (Initialization: Failed to generate a file \\
to store delivery destination.)
\end{tabular} \\
\hline SC870-06 & B & \begin{tabular}{l} 
Address Book data error (Initialization: Failed to generate a file \\
to store information required for LDAP search.)
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|l|}
\hline SC No. & Level & \multicolumn{1}{|c|}{ Error Name/Error Condition/Major Cause/Solution } \\
\hline SC870-07 & B & \begin{tabular}{l} 
Address Book data error (Initialization: Failed to initialize entries \\
required for machine operation.)
\end{tabular} \\
\hline SC870-08 & B & \begin{tabular}{l} 
Address Book data error (Machine configuration: HDD is \\
present but the space for storing the Address Book is unusable.)
\end{tabular} \\
\hline SC870-09 & B & \begin{tabular}{l} 
Address Book data error (Machine configuration: Inconsistency \\
in the NVRAM area used for storing settings required for \\
Address Book configuration.)
\end{tabular} \\
\hline SC870-10 & B & \begin{tabular}{l} 
Address Book data error (Machine configuration: Cannot make \\
adirectory for storing the Address Book in the SD/USB \\
FlashROM.)
\end{tabular} \\
\hline SC870-11 & B & \begin{tabular}{l} 
Address Book data error(On startup: Inconsistency in Address \\
Book entry number.)
\end{tabular} \\
\hline SC870-20 & B & Address Book data error (File I/O: Failed to initialize file.) \\
\hline SC870-21 & B & Address Book data error (File I/O: Failed to generate file.) \\
\hline SC870-22 & B & Address Book data error (File I/O: Failed to open file.) \\
\hline SC870-23 & B & Address Book data error (File I/O: Failed to write to file.) \\
\hline SC870-24 & B & Address Book data error (File I/O: Failed to read file.) \\
\hline SC870-25 & B & Address Book data error (File I/O: Failed to check file size.) \\
\hline SC870-26 & B & Address Book data error (File I/O: Failed to delete data.) \\
\hline SC870-27 & B & Address Book data error (File I/O: Failed to add data.) \\
\hline BC870-30 & B & \begin{tabular}{l} 
Address Book data error (Search: Failed to obtain data from \\
cache \\
cache while searching the WS-Scanner Address Book.) \\
\end{tabular} \\
\hline destination/sender.)
\end{tabular}
\begin{tabular}{|l|c|l|}
\hline SC No. & Level & \multicolumn{1}{|c|}{ Error Name/Error Condition/Major Cause/Solution } \\
\hline SC870-50 & B & \(\begin{array}{l}\text { Address Book data error (On startup: Detected abnormality of } \\
\text { the Address Book encryption status.) }\end{array}\) \\
\hline SC870-51 & B & \(\begin{array}{l}\text { Address Book data error (Encryption settings: Failed to create } \\
\text { directory required for conversion between plaintext and } \\
\text { encrypted text.) }\end{array}\) \\
\hline SC870-52 & B & \(\begin{array}{l}\text { Address Book data error (Encryption settings: Failed to convert } \\
\text { from plaintext to encrypted text.) }\end{array}\) \\
\hline SC870-53 & B & \(\begin{array}{l}\text { Address Book data error (Encryption settings: Failed to convert } \\
\text { from encrypted text to plaintext.) }\end{array}\) \\
\hline SC870-54 & B & \(\begin{array}{l}\text { Address Book data error (Encryption settings: Detected data } \\
\text { inconsistency when reading the encrypted Address Book.) }\end{array}\) \\
\hline SC870-55 & B & \(\begin{array}{l}\text { Address Book data error (Encryption settings: Failed to delete } \\
\text { file when changing encryption setting.) }\end{array}\) \\
\hline SC870-56 & B & \(\begin{array}{l}\text { Address Book data error (Encryption settings: Failed to erase } \\
\text { the file that records the encryption key during an attempt to } \\
\text { change the encryption setting.) }\end{array}\) \\
\hline SC870-59 & B & \(\begin{array}{l}\text { Address Book data error (Encryption settings: Failed to move a } \\
\text { resource shortage during an attempt to change the encryption } \\
\text { setting.) }\end{array}\) \\
\hline SC870-58 & B & \(\begin{array}{l}\text { file during an attempt to change the encryption setting.) }\end{array}\) \\
\hline Address Book data error (Encryption settings: Failed to delete a \\
directory during an attempt to change the encryption setting.)
\end{tabular}\(\}\)\begin{tabular}{l} 
Address Book data error (Unable to obtain the on/off setting for \\
administrator authentication (06A and later).)
\end{tabular}\(|\)\begin{tabular}{l} 
When an error related to the Address Book is detected during \\
startup or operation.
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline & & \begin{tabular}{l}
- Software bug \\
- Inconsistency of Address Book source location (machine/delivery server/LDAP server) \\
- Inconsistency of Address Book encryption setting or encryption key (NVRAM or HDD was replaced individually without formatting the Address Book) \\
- Address Book storage device (SD/HDD) was temporarily removed or hardware configuration does not match the application configuration. \\
- Address Book data corruption was detected.
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Check the HDD connection. \\
- Initialize all UCS settings and address/authentication information (SP5-846-046). \\
- Initialize the Address Book partition (SP5-832-006).
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[b]{4}{*}{SC872-00} & \multirow[b]{4}{*}{B} & HDD mail reception error \\
\hline & & An error was detected on the HDD immediately after the machine was turned on. \\
\hline & & \begin{tabular}{l}
- HDD defective \\
- Power was turned of while the machine used the HDD.
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Format the HDD (SP5-832-007). \\
- Replace the HDD. \\
When you do the above, the following information will be initialized. \\
- Partly received partial mail messages. \\
- Already-read statuses of POP3-received messages (All messages on the mail server are handled as new messages).
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[b]{4}{*}{SC873-00} & \multirow[b]{4}{*}{B} & HDD mail reception error \\
\hline & & An error was detected on the HDD immediately after the machine was turned on. \\
\hline & & \begin{tabular}{l}
- HDD defective \\
- Power was turned of while the machine used the HDD.
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Format the HDD (SP5-832-007). \\
- Replace the HDD. \\
When you do the above, the following information will be initialized. \\
- Default sender name/password (SMB/FTP/NCP) \\
- Administrator mail address \\
- Scanner delivery history
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|l|}
\hline SC No. & Level & \multicolumn{1}{c|}{ Error Name/Error Condition/Major Cause/Solution } \\
\hline SC875-01 & D & Delete all error (HDD erasure) (hddchack -i error) \\
\hline SC875-02 & D & Delete all error (HDD erasure) (Data deletion failure) \\
\hline \multirow{4}{*}{} & & \begin{tabular}{l} 
An error was detected before HDD/data erasure starts. (Failed \\
to erase data/failed to logically format HDD)
\end{tabular} \\
\cline { 3 - 5 } & & \begin{tabular}{l} 
- HDD logical formatting failed. \\
- The modules failed to erase data.
\end{tabular} \\
\cline { 3 - 5 } & & Turn the main power off/on. \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|}
\hline \multicolumn{1}{|c|}{ SC No. } & Level & \multicolumn{1}{|c|}{ Error Name/Error Condition/Major Cause/Solution } \\
\hline \multirow{4}{*}{ SC876-01 } & \multirow{3}{*}{ D } & Log Data Error 1 \\
\cline { 3 - 4 } & & \begin{tabular}{l} 
An error was detected in the handling of the log data at power \\
on or during machine operation.
\end{tabular} \\
\cline { 3 - 5 } & & Damaged log data file \\
\cline { 3 - 4 } & & Initialize the HDD (SP5-832-004). \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow{4}{*}{SC876-02} & \multirow{4}{*}{D} & Log Data Error 2 \\
\hline & & An error was detected in the handling of the log data at power on or during machine operation. \\
\hline & & Log encryption is enabled but encryption module is not installed. \\
\hline & & \begin{tabular}{l}
- Replace or set again the encryption module. \\
- Disable the log encryption setting.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow{4}{*}{SC876-03} & \multirow{4}{*}{D} & Log Data Error 3 \\
\hline & & An error was detected in the handling of the log data at power on or during machine operation. \\
\hline & & Inconsistency of encryption key between NV-RAM and HDD. \\
\hline & & \begin{tabular}{l}
- Disable the log encryption setting. \\
- Initialize LCS memory (SP5801-019). \\
- Initialize the HDD (SP5-832-004).
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow{4}{*}{SC876-04} & \multirow{4}{*}{D} & Log Data Error 4 \\
\hline & & An error was detected in the handling of the log data at power on or during machine operation. \\
\hline & & \begin{tabular}{l}
- Log encryption key is disabled but the log data file is encrypted. (NVRAM data corruption) \\
- Log encryption key is enabled but the log data file is not encrypted. (NVRAM data corruption)
\end{tabular} \\
\hline & & Initialize the HDD (SP5-832-004). \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow{4}{*}{SC876-05} & \multirow{4}{*}{D} & Log Data Error 5 \\
\hline & & An error was detected in the handling of the log data at power on or during machine operation. \\
\hline & & \begin{tabular}{l}
- Only the NV-RAM has been replaced with one previously used in another machine. \\
- Only the HDD has been replaced with one previously used in another machine.
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Attach the original NV-RAM. \\
- Attach the original HDD. \\
- With the configuration that caused the SC , initialize the HDD (SP5-832-004).
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow{4}{*}{SC876-99} & \multirow{4}{*}{D} & Log Data Error 99 \\
\hline & & An error was detected in the handling of the log data at power on or during machine operation. \\
\hline & & Other causes \\
\hline & & - \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow{4}{*}{SC877-00} & \multirow{4}{*}{B} & Data Overwrite Security card error \\
\hline & & The "Auto Erase Memory" function of the Data Overwrite Security is set to on but it cannot be done. \\
\hline & & \begin{tabular}{l}
- Data Overwrite Security option SD card is broken. \\
- Data Overwrite Security option SD card has been removed.
\end{tabular} \\
\hline & & \begin{tabular}{l}
- If the SD card is broken, prepare a new Data Overwrite Security option SD card and replace the NVRAM. \\
- If the SD card has been removed, turn the main power off and reinstall a working Data Overwrite Security option SD card.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow{4}{*}{SC878-00} & \multirow{4}{*}{D} & TPM electronic authentication error \\
\hline & & \begin{tabular}{l}
The machine failed TPM electronic authentication. \\
System hash registered in the TPM did not match the data on the USB flash.
\end{tabular} \\
\hline & & \begin{tabular}{l}
- System module was updated in an unauthorized manner. \\
- USB flash is not working correctly.
\end{tabular} \\
\hline & & Replace the board. \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|}
\hline SC No. & Level & \multicolumn{1}{|c|}{ Error Name/Error Condition/Major Cause/Solution } \\
\hline \multirow{4}{*}{ SC878-01 } & \multirow{3}{*}{ D } & USB Flash error \\
\cline { 4 - 4 } & & USB Flash file system error \\
\cline { 4 - 4 } & & USB Flash file system has been destroyed. \\
\cline { 3 - 4 } & & Replace the controller board. \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|}
\hline \multicolumn{1}{|c|}{ SC No. } & Level & \multicolumn{1}{|c|}{ Error Name/Error Condition/Major Cause/Solution } \\
\hline \multirow{4}{*}{ SC878-02 } & & TPM error \\
\cline { 3 - 4 } & & D \\
\cline { 3 - 4 } & & TPror occurred in the TPM or TPM driver. \\
\cline { 3 - 4 } & & Replace the controller board. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow{4}{*}{SC878-03} & \multirow{4}{*}{D} & TCSD error \\
\hline & & Error occurred in TPM software stack. \\
\hline & & \begin{tabular}{l}
- Unable to start TPM \\
- Necessary files missing from the TPM.
\end{tabular} \\
\hline & & Replace the controller board. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow{4}{*}{SC880-00} & \multirow{4}{*}{D} & MLB error \\
\hline & & Reply to MLB access was not returned within a specified time. \\
\hline & & MLB defective \\
\hline & & \begin{tabular}{l}
- Replace the MLB. \\
- Remove the MLB.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow{4}{*}{SC881-01} & D & Authentication area error \\
\hline & & \begin{tabular}{l}
- Software error detected. \\
- This error may occur even if IC card option (ERIE/AYU/Greenland etc.) is not installed.
\end{tabular} \\
\hline & & \begin{tabular}{l}
- This is caused by accumulation of abnormal authentication information in the software. (User operation will not directly cause it.) \\
- Occurs when authentication is done. \\
Example: When a job is sent to the printer/when logged on from the operation panel/when logged on from a Web browser
\end{tabular} \\
\hline & & Turn the main power off/on. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[t]{4}{*}{SC882-01} & D & Smart Operation Panel error (Smart Operation Panel Software Invalid error) \\
\hline & & Occurs when the validity of the operation unit is not observed. \\
\hline & & \begin{tabular}{l}
- Memory corruption of the operation panel software. \\
- Invalid applications are listed in the operation panel.
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Format the Operation panel through SP mode \\
- Updating the firmware
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[b]{4}{*}{SC899-00} & D & Software performance error (signal reception end) \\
\hline & & \\
\hline & & Occurs when an internal program behaves abnormally. \\
\hline & & \begin{tabular}{l}
In case of a hardware defect \\
- Replace the hardware. \\
In case of a software error \\
- Turn the main power off/on. \\
- Try updating the firmware.
\end{tabular} \\
\hline
\end{tabular}

\subsection*{5.10 SERVICE CALL 900-998}

\subsection*{5.10.1 SC900 (ENGINE: OTHERS)}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow{4}{*}{SC995-01} & \multirow{4}{*}{D} & CPM setting error 1 \\
\hline & & \begin{tabular}{l}
Comparison of machine serial number (11 digits) and machine identification code. \\
Details: \\
- Machine serial number cannot be identified because of BCL replacement or malfunctioning. \\
- Machine serial number cannot be identified because of NV-RAM replacement
\end{tabular} \\
\hline & & machine serial number (11 digits) or machine identification code does not match. \\
\hline & & \begin{tabular}{l}
- Enter the machine serial number using SP5-811, and then turn the power on/off. \\
- Attach the NV-RAM that was installed previously.
\end{tabular} \\
\hline \multirow{4}{*}{SC995-02} & \multirow{4}{*}{D} & CPM setting error 2 \\
\hline & & \begin{tabular}{l}
Comparison of machine serial number (11 digits) and machine identification code. \\
Details: \\
Machine serial number cannot be identified because of NV-RAM replacement or malfunctioning.
\end{tabular} \\
\hline & & machine serial number (11 digits) or machine identification code does not match. \\
\hline & & \begin{tabular}{l}
- Attach the NV-RAM that was installed previously. \\
- Download data on the NV-RAM using SP5-825.
\end{tabular} \\
\hline SC995-03 & D & CPM setting error 3 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow[t]{3}{*}{} & & \begin{tabular}{l}
Comparison of machine serial number (11 digits) and machine identification code. \\
Details: \\
Unable to recognize machine identification code because the controller was replaced incorrectly or is malfunctioning.
\end{tabular} \\
\hline & & machine serial number (11 digits) or machine identification code does not match. \\
\hline & & Replace it with a specified controller. \\
\hline \multirow{4}{*}{SC995-04} & \multirow{4}{*}{D} & CPM setting error 4 \\
\hline & & Comparison of machine serial number (11 digits) and machine identification code. \\
\hline & & machine serial number (11 digits) or machine identification code does not match. \\
\hline & & Return the parts to the original configuration, and then replace them according to the manual. \\
\hline
\end{tabular}

\subsection*{5.10.2 SC900 (CONTROLLER)}
\begin{tabular}{|c|c|l|}
\hline SC No. & Level & \multicolumn{1}{c|}{ Error Name/Error Condition/Major Cause/Solution } \\
\hline \multirow{6}{*}{ SC900-00 } & & Electric counter error
\end{tabular}
\begin{tabular}{|l|l|l|}
\hline \multicolumn{1}{|c|}{ SC No. } & Level & \multicolumn{1}{|c|}{ Error Name/Error Condition/Major Cause/Solution } \\
\hline \multirow{4}{*}{ SC910-00 } & \multirow{3}{|c|}{ B } & External Controller Error 1 \\
\cline { 4 - 4 } & & Notification from external application (external controller) \\
\cline { 3 - 4 } & & Subject to external application (external controller) specification \\
\cline { 3 - 4 } & & Turn the main power off/on. \\
\hline
\end{tabular}
\begin{tabular}{|l|c|l|}
\hline SC No. & Level & \multicolumn{1}{|c|}{ Error Name/Error Condition/Major Cause/Solution } \\
\hline \multirow{4}{*}{ SC911-00 } & \multirow{3}{|c|}{ B } & External Controller Error 2 \\
\cline { 3 - 4 } & & Notification from external application (external controller) \\
\cline { 3 - 4 } & & Subject to external application (external controller) specification \\
\cline { 3 - 4 } & & Turn the main power off/on. \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|}
\hline \multicolumn{1}{|c|}{ SC No. } & Level & \multicolumn{1}{|c|}{ Error Name/Error Condition/Major Cause/Solution } \\
\hline \multirow{4}{*}{ SC912-00 } & \multirow{3}{|c|}{ B } & External Controller Error 3 \\
\cline { 4 - 4 } & & Notification from external application (external controller) \\
\cline { 3 - 4 } & & Subject to external application (external controller) specification \\
\cline { 3 - 4 } & & Turn the main power off/on. \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|}
\hline \multicolumn{1}{|c|}{ SC No. } & Level & \multicolumn{1}{|c|}{ Error Name/Error Condition/Major Cause/Solution } \\
\hline \multirow{4}{*}{ SC913-00 } & \multirow{3}{*}{ B } & External Controller Error 4 \\
\cline { 4 - 4 } & & Notification from external application (external controller) \\
\cline { 4 - 4 } & & Subject to external application (external controller) specification \\
\cline { 3 - 4 } & & Turn the main power off/on. \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|}
\hline \multicolumn{1}{|c|}{ SC No. } & Level & \multicolumn{1}{|c|}{ Error Name/Error Condition/Major Cause/Solution } \\
\hline \multirow{4}{*}{ SC914-00 } & \multirow{3}{|c|}{ B } & External Controller Error 5 \\
\cline { 3 - 4 } & & Notification from external application (external controller) \\
\cline { 3 - 4 } & & Subject to external application (external controller) specification \\
\cline { 3 - 4 } & & Turn the main power off/on. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|l|}
\hline SC No. & Level & \multicolumn{1}{|c|}{ Error Name/Error Condition/Major Cause/Solution } \\
\hline SC915-01 & A & External Controller Error 6 (Egret board error) \\
\hline SC915-02 & A & External Controller Error 6 (HDD serial communication error) \\
\hline SC915-03 & A & External Controller Error 6 (CPU temperature rise) \\
\hline SC915-04 & A & \begin{tabular}{l} 
External Controller Error 6 (Unable to communicate with GW \\
controller because invalid command was received)
\end{tabular} \\
\hline \multirow{3}{*}{ SC915-05 } & A & \begin{tabular}{l} 
External Controller Error 6(Unable to communicate with GW \\
controller because of an error)
\end{tabular} \\
\hline \multirow{4}{*}{} & & Notification from external application (external controller) \\
\cline { 2 - 5 } & Notification from external application (external controller) \\
\cline { 2 - 5 } & Replace the Egret controller board. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|l|}
\hline SC No. & Level & \multicolumn{1}{|c|}{ Error Name/Error Condition/Major Cause/Solution } \\
\hline \multirow{4}{*}{ SC919-00 } & \multirow{3}{|c|}{\begin{tabular}{l} 
External controller down
\end{tabular}} \\
\cline { 3 - 5 } & \begin{tabular}{l} 
While EAC (External Application Converter), the conversion \\
module, was operating normally, the receipt of a power line \\
interrupt signal from the FLUTE serial driver was detected, of \\
BREAK signal from the other station was detected.
\end{tabular} \\
\cline { 3 - 5 } & \begin{tabular}{l} 
External controller and the machine had been operating \\
correctly (*) but the external controller was turned off or \\
rebooted, or the video bus was disconnected. \\
*Printing or scanning using the external controller.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|}
\hline SC No. & Level & \multicolumn{1}{c|}{ Error Name/Error Condition/Major Cause/Solution } \\
\hline & & Turn the main power off/on. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline SC920-00 & B & Printer application error (No response at PM startup) \\
\hline SC920-01 & B & Printer application error (Timeout during PM operation) \\
\hline SC920-02 & B & Printer application error (Unable to obtain work memory) \\
\hline SC920-03 & B & Printer application error (Unable to start filter process) \\
\hline SC920-04 & B & Printer application error (Abnormal termination of filter process) \\
\hline \multirow[t]{3}{*}{} & & When an error is detected in the application, which makes continued operation impossible. \\
\hline & & \begin{tabular}{l}
- Software bug \\
- Unexpected hardware configuration (such as insufficient memory)
\end{tabular} \\
\hline & & Turn the main power off/on. \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|}
\hline \multicolumn{1}{|c|}{ SC No. } & Level & \multicolumn{1}{|c|}{ Error Name/Error Condition/Major Cause/Solution } \\
\hline \multirow{4}{*}{ SC921-00 } & \multirow{3}{|c|}{ B } & Printer application error (Resident font not found) \\
\cline { 4 - 4 } & & Resident font was not found at printer startup. \\
\cline { 4 - 4 } & & Preinstalled font files not found. \\
\cline { 3 - 4 } & & Turn the main power off/on. \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|}
\hline SC No. & Level & \multicolumn{1}{|c|}{ Error Name/Error Condition/Major Cause/Solution } \\
\hline \multirow{4}{*}{ SC921-01 } & \multirow{3}{*}{ B } & \begin{tabular}{l} 
Printer application error (Optional font not found) \\
\cline { 3 - 4 }
\end{tabular} \\
\cline { 3 - 4 } & & \begin{tabular}{l} 
Optional font required by an emulation was not found at printer \\
startup.
\end{tabular} \\
\cline { 3 - 5 } & & Optional emulation font not found \\
\cline { 3 - 4 } & & Turn the main power off/on. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline SC925-00 & B & NetFile function error \\
\hline SC925-01 & B & NetFile function error \\
\hline \multirow[t]{2}{*}{} & \multirow[t]{2}{*}{} & The NetFile file management on the HDD cannot be used, or a NetFile management file is corrupted and operation cannot continue. \\
\hline & & \begin{tabular}{l}
- HDD defective \\
- HDD inconsistency caused by power failure during HDD access, etc. \\
- Software bug
\end{tabular} \\
\hline & & \begin{tabular}{l}
If another SC related to HDD errors (SC860 to SC865) is issued at the same time, the HDD is the cause. Solve the other SC. \\
- If SC860 to SC865 is not issued \\
- Turn the main power off/on. \\
- If this does not work, initialize the HDD NetFile partition (SP5-832-011). Approval by the customer is required because received fax message waiting to be delivered and documents waiting to be captured will be lost. Procedure: \\
1. Go into the User Tools mode and do "Delivery Settings" to print all received fax documents that are scheduled for delivery. Then erase them. \\
2. In the User Tools mode, do Document Management> Batch Delete Transfer Documents. \\
3. Do SP5832-011, then turn the machine power off and on. \\
- If this does not solve the problem, initialize all partitions of the HDD (SP5-832-001), then turn the machine power off and on. \\
Approval by the customer is required because documents and Address Book information in the HDD will be lost. Received fax messages stored are protected but the order may be changed. \\
- If this does not solve the problem, replace the HDD.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow{4}{*}{SC990-00} & \multirow{4}{*}{D} & Software operation error \\
\hline & & Software attempted an unexpected operation. \\
\hline & & \begin{tabular}{l}
- Parameter error \\
- Internal parameter error \\
- Insufficient work memory \\
- Operation error caused by abnormalities that are normally undetectable.
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Turn the main power off/on. \\
- Reinstall the software of the controller and Controller board.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow{4}{*}{SC991-00} & \multirow{4}{*}{C} & Recoverable software operation error \\
\hline & & \begin{tabular}{l}
Software attempted an unexpected operation. \\
SC991 covers recoverable errors as opposed toCS990.
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Parameter error \\
- Internal parameter error \\
- Insufficient work memory \\
- Operation error caused by abnormalities that are normally undetectable.
\end{tabular} \\
\hline & & Logging only \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow{4}{*}{SC992-00} & \multirow{4}{*}{D} & Undefined SC issued. \\
\hline & & An SC, that is not controlled by the system, occurred. \\
\hline & & \begin{tabular}{l}
- An SC for the previous model was used mistakenly, etc. \\
- Basically a software bug.
\end{tabular} \\
\hline & & Turn the main power off/on. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow{4}{*}{SC994-00} & \multirow{4}{*}{C} & Operation error caused by abnormalities that are normally undetectable. \\
\hline & & An error occurred because the number of records exceeded the limit for images managed in the service layer of the firmware. \\
\hline & & This can occur if there are too many application screens open on the operation panel. \\
\hline & & Logging only. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|l|}
\hline SC No. & Level & \multicolumn{1}{c|}{ Error Name/Error Condition/Major Cause/Solution } \\
\hline \multirow{4}{*}{ SC997-00 } & \multirow{3}{*}{\begin{tabular}{l} 
D \\
\cline { 3 - 4 }
\end{tabular}} & \begin{tabular}{l} 
Application function selection error \\
The application selected by the operation panel key operated \\
abnormally (No response, abnormal ending).
\end{tabular} \\
\cline { 3 - 5 } & Software bug (mainly the application)
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline SC No. & Level & Error Name/Error Condition/Major Cause/Solution \\
\hline \multirow{4}{*}{SC998-00} & \multirow{4}{*}{D} & Application start error \\
\hline & & \begin{tabular}{l}
- No application was registered to system within a specified time after the main power was turned on. \\
(No application starts/All applications have been terminated abnormally) \\
- Application started but cannot be drawn now for some reason.
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Software bug (mainly the application) \\
- The optional RAM, DIMM, boards required by the application program. Are not installed correctly.
\end{tabular} \\
\hline & & \begin{tabular}{l}
- Turn the main power off/on. \\
- Check the optional RAM, DIMM, boards \\
- Check the combination of programs \\
- Replace the controller board.
\end{tabular} \\
\hline
\end{tabular}

\subsection*{5.11 WHEN SC549 IS DISPLAYED}

\subsection*{5.11.1 TROUBLESHOOTING FLOWCHART}


\subsection*{5.11.2 FUSING SHIELD CHECK}
<Procedure 1: Operation check for the lower side of the shield detection feeler>
1. Place the fusing unit on a flat place and tilt it towards the drawer connector [A].

2. Move the shield drive gear with your hands to put the upper surface of the feeler [A] in a horizontal position.

3. Keep your fingers off the shield drive gear.
4. Make sure that the shield detection feeler [A] moves down to the lowest point by its own weight.

- The feeler moves smoothly: OK
- The feeler does not move / stops during moving / moves but slowly: NG
<Procedure 2: Operation check for the upper side of the shield detection feeler>
1. Place the fusing unit on a flat place with the drawer connector [A] turned up and the handle [B] touching a flat surface.

2. Move the shield drive gear with your hands to put the upper surface of the feeler [A] in a vertical position.

3. Keep your fingers off of the shield drive gear.
4. Make sure that the shield detection feeler [A] moves up to the highest point by its own weight.

- The feeler moves smoothly: OK
- The feeler does not move / stops during moving / moves but slowly: NG

\section*{<Results>}
- Both Procedure 1 and 2 are OK: No problem.
- Either Procedure 1 or 2 is NG: The mechanism is blocked.
- The shield detection feeler never moves while moving the shield drive gear by hands or fingers: Locked.

\subsection*{5.11.3 SOLUTION}

By tilting the fusing unit, you can check whether the feeler does not move smoothly due to burrs on a part in the unit, and remove the burrs.
1. Tilt the fusing unit [A] approx. \(30^{\circ}\).

2. Put the fusing unit back to the horizontal position.
3. Perform the checking procedures (Fusing Shield Check).

There is no blockage: Resolved
There is some blockage: Not resolved
4. Tilt the fusing unit [A] approx. \(30^{\circ}\) in the opposite direction from step 1.


There is no blockage: Resolved
There is some blockage: Not resolved

\subsection*{5.12 WHEN SC670 IS DISPLAYED}

\subsection*{5.12.1 TROUBLESHOOTING FLOWCHART}


\subsection*{5.13 JAM DETECTION}

\subsection*{5.13.1 JAM DISPLAY}

When a jam occurs, cause positions will blink.


\subsection*{5.13.2 SENSOR LOCATIONS}


\subsection*{5.13.3 CLEARING A PAPER JAM}

\section*{\(\triangle\) CAUTION}
- Do not touch any components except the specified parts for removing jammed paper. Some parts can burn you because they become hot during operation.

\section*{( Note}
- Do not turn the power off during removal of jammed paper. If you turned the power off, functions or values that were previously set will be deleted.
- Be sure not to tear paper up, and that you remove all pieces. Remaining scraps of paper in the machine could cause another paper jam or machine failure.
- If there are multiple jam locations, check all the locations that are displayed at the same time.

See the decals on the machine for how to remove jammed paper.

\subsection*{5.13.4 PAPER JAM HISTORY}

\section*{History checking method}

Plotter Jam History can be displayed using SP7-507.
- SP7-507-001 Plotter Jam History Latest
- SP7-507-002 Plotter Jam History Latest1
- SP7-507-003 Plotter Jam History Latest2
- SP7-507-004 Plotter Jam History Latest3
- SP7-507-005 Plotter Jam History Latest4
- SP7-507-006 Plotter Jam History Latest5
- SP7-507-007 Plotter Jam History Latest6
- SP7-507-008 Plotter Jam History Latest7
- SP7-507-009 Plotter Jam History Latest8
- SP7-507-010 Plotter Jam History Latest9

\section*{Paper Jam Display}
```

CODE : 011
SIZE : 005
TOTAL : 0000334
DATE : Mon Jan 21 11:44:50 2008

```
- CODE: Indicates the jam code.
- SIZE: Indicates the paper size code.
- TOTAL: Indicates the total counter (SP7-502-001).
- DATE: Indicates the date when the jam occurred.

\section*{( Note}
- The jam history of the 10 latest jams is displayed.
- The first jam is not included in the history record.

\subsection*{5.13.5 JAM CODES AND DISPLAY CODES}

\section*{( Note}
- Cause code: Jam cause code displayed by log data
- Display code: Jam position displayed on control panel

ARDF DF3090
\begin{tabular}{|c|l|c|}
\hline Cause code & \multicolumn{1}{|c|}{ Cause of jam } & Display code \\
\hline 14 & Paper did not reach projection sensor & P \\
\hline 64 & Paper held up at projection sensor & P \\
\hline 16 & Paper did not reach registration sensor & P \\
\hline 66 & Paper held up at registration sensor & P \\
\hline 17 & Paper held up at output sensor & P \\
\hline 67 & Misfeed:Original Removed & P \\
\hline 239 & & \\
\hline
\end{tabular}

MFP
\begin{tabular}{|c|l|c|}
\hline Cause code & \multicolumn{1}{|c|}{ Cause of jam } & Display code \\
\hline 1 & There is paper in first transport sensor & A \\
\hline 1 & There is paper in second transport sensor & A \\
\hline 1 & There is paper in registration sensor & B \\
\hline 1 & There is paper in fixing inlet sensor & C \\
\hline 1 & There is paper in fixing outlet sensor & C \\
\hline 1 & There is paper in output sensor & C \\
\hline 1 & There is paper in inversion sensor in duplex outlet sensor & Z \\
\hline
\end{tabular}
\begin{tabular}{|c|l|c|}
\hline Cause code & \multicolumn{1}{|c|}{ Cause of jam } & Display code \\
\hline 1 & There is paper in duplex inlet sensor & Z \\
\hline 3 & Paper not fed from tray 1 & A1 \\
\hline 4 & Paper not fed from tray 2 & A2 \\
\hline 8 & Paper not supplied to bypass tray & A \\
\hline 9 & Duplex not fed & Z \\
\hline 10 & Timing disappearance & Only remaining \\
\hline 11 & Paper position did not reach first transport sensor \\
information \\
displayed
\end{tabular}
\begin{tabular}{|c|l|c|}
\hline Cause code & \multicolumn{1}{|c|}{ Cause of jam } & Display code \\
\hline 27 & Paper did not reach duplex inlet sensor & C \\
\hline 27 & \begin{tabular}{l} 
Paper did not reach duplex inlet sensor \& \\
there is no paper in inversion sensor
\end{tabular} & Z \\
\hline 67 & Paper did not clear duplex inlet sensor & A \\
\hline
\end{tabular}

Paper Feed Unit PB3150
\begin{tabular}{|c|l|c|}
\hline Cause code & \multicolumn{1}{|c|}{ Cause of jam } & Display code \\
\hline 5 & Paper not fed from tray 3 & Y (aper did not reach vertical transport \\
\hline 13 & \begin{tabular}{l} 
Pensor 3 \\
sensor 3
\end{tabular} & Y \\
\hline 53 & \begin{tabular}{l} 
There is paper in vertical transport sensor \\
3
\end{tabular} & Y \\
\hline 1 & & \\
\hline
\end{tabular}

Paper Feed Unit PB3210
\begin{tabular}{|c|l|c|}
\hline Cause code & \multicolumn{1}{|c|}{ Cause of jam } & Display code \\
\hline 5 & Paper not fed from tray 3 & Y 1 \\
\hline 13 & \begin{tabular}{l} 
Paper did not reach vertical transport \\
sensor 3
\end{tabular} & Y \\
\hline 53 & \begin{tabular}{l} 
There is paper in vertical transport sensor \\
3
\end{tabular} & Y \\
\hline 1 & Paper not fed from tray 4 & Y \\
\hline 6 & Paper did not reach vertical transport \\
\hline 14 & sensor 4
\end{tabular}
\begin{tabular}{|c|l|c|}
\hline Cause code & \multicolumn{1}{|c|}{ Cause of jam } & Display code \\
\hline 54 & \begin{tabular}{l} 
Paper did not clear vertical transport \\
sensor 4
\end{tabular} & Y \\
\hline 1 & \begin{tabular}{l} 
There is paper in vertical transport sensor \\
4
\end{tabular} & Y \\
\hline
\end{tabular}

Internal Finisher SR3130
\begin{tabular}{|c|c|c|}
\hline Cause code & Cause of jam & Display code \\
\hline 100 & Paper did not reach inlet sensor & R1-R2 \\
\hline 101 & Paper held up at inlet sensor & R1-R2 \\
\hline 102 & Paper did not reach transport sensor & R1-R2 \\
\hline 103 & Paper held at transport sensor & R1-R2 \\
\hline 104 & Paper output unit & R1-R2 \\
\hline 105 & Front jogger motor & R1-R2 \\
\hline 106 & Rear jogger motor & R1-R2 \\
\hline 107 & Shift roller motor & R1-R2 \\
\hline 108 & Strike roller motor & R1-R2 \\
\hline 109 & Paper output guide plate open/close motor & R1-R2 \\
\hline 110 & Stapler displacement motor & R1-R2 \\
\hline 111 & Shift tray ascent/descent motor & R1-R2 \\
\hline 112 & Stapler motor & R1-R2 \\
\hline 113 & Paper press motor & R1-R2 \\
\hline 114 & Punch motor & R1-R2 \\
\hline 115 & Punch displacement motor & R1-R2 \\
\hline 116 & Horizontal registration displacement motor & R1-R2 \\
\hline 148 & Paper output end not responding & R1-R2 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline Cause code & Cause of jam & Display code \\
\hline 149 & Main instruction data defect & R1-R2 \\
\hline
\end{tabular}

Internal Finisher SR3180
\begin{tabular}{|c|l|c|}
\hline Cause code & \multicolumn{1}{|c|}{ Cause of jam } & Display code \\
\hline 300 & Paper did not reach inlet sensor & R \\
\hline 301 & Paper held up at inlet sensor & R \\
\hline 302 & Paper did not reach output sensor & R \\
\hline 303 & Shift motor & R \\
\hline 304 & Junction solenoid motor & R \\
\hline 305 & Paper output pressure release motor & R \\
\hline 306 & Stapler motor & R \\
\hline 348 & Paper output end not responding & R \\
\hline 349 & Main instruction data defect & R \\
\hline 308 & Stapled paper held at output sensor & R \\
\hline
\end{tabular}

\subsection*{5.13.6 PAPER SIZE CODE}
\begin{tabular}{|c|l|c|l|}
\hline Size Code & \multicolumn{1}{|c|}{ Paper Size } & Size Code & \multicolumn{1}{|c|}{ Paper Size } \\
\hline 005 & A4 LEF & 141 & B4 SEF \\
\hline 006 & A5 LEF & 142 & B5 SEF \\
\hline 014 & B5 LEF & 160 & DLT SEF \\
\hline 038 & LT LEF & 164 & LG SEF \\
\hline 044 & ALT LEF & 166 & LT SEF \\
\hline 132 & A4 SEF & 172 & HLT SEF \\
\hline 133 & A5 SEF & 255 & Others \\
\hline 134 & & & \\
\hline
\end{tabular}

\subsection*{5.14 IMAGE QUALITY}

\subsection*{5.14.1 WHEN AN ABNORMAL IMAGE IS GENERATED}


\subsection*{5.14.2 ROLLER PITCH}
\begin{tabular}{|l|c|}
\hline \multicolumn{1}{|c|}{ Part name } & Pitch (mm) \\
\hline Charge roller cleaner & 31.4 \\
\hline Charge roller & 37.7 \\
\hline Paper transfer roller & 48.7 \\
\hline Image transfer drive roller & 54.8 \\
\hline Development roller & 34.6 \\
\hline OPC drum & 94.2 \\
\hline Fusing sleeve & 94.2 \\
\hline Pressure roller & 963.8 \\
\hline Image transfer belt & \\
\hline
\end{tabular}

\subsection*{5.15 OCR UNIT TYPE M2}

\subsection*{5.15.1 RECOVERY PROCEDURE}

When this option is installed, a function is saved on the HDD, and ID information on the SD card is saved in the NVRAM. Therefore, when replacing the HDD and NVRAM, this option must be reinstalled.

\section*{When storing the original SD card}
- When only the HDD is replaced Reinstall using the original SD card.
- When only the NVRAM is replaced When performing upload/download of NVRAM data, reinstall using the original SD card. When not performing upload/download of NVRAM data, order and reinstall a new SD card (service part).
- When the HDD and NVRAM are replaced simultaneously Reinstall using the original SD card.

\section*{If the original SD card is lost}

Order and reinstall a new SD card (service part).

\section*{( \()\) Note )}
- Perform reinstallation in the same way as installation. (Link: Installation procedure)

\subsection*{5.16 ELECTRICAL COMPONENT DEFECTS}
\begin{tabular}{|c|c|c|c|c|}
\hline \multirow[t]{2}{*}{Name} & \multirow[t]{2}{*}{Output connector} & Capacity & Part number & Can be changed in the field or not \\
\hline & & Voltage & Part name & Remarks \\
\hline \multirow[b]{2}{*}{FU101} & \multirow[b]{2}{*}{\begin{tabular}{l}
CN985 (Fusing center heater) \\
CN986 (Fusing edge heater)*¹
\end{tabular}} & \(15 A^{*}{ }^{2}\) & \(11071241^{* 3}\) & Yes \\
\hline & & AC & TLC-15A-N4*4 & Installed on AC control board \\
\hline \multirow[b]{2}{*}{FU102} & \multirow[b]{2}{*}{CN988 (DC power supply)} & \(15 A^{*}{ }^{2}\) & \(11071241{ }^{* 3}\) & Yes \\
\hline & & AC & TLC-15A-N4*4 & Installed on AC control board \\
\hline \multirow[b]{2}{*}{FU110} & \multirow[t]{2}{*}{\begin{tabular}{l}
CN921 (Mainframe feed heater, Tray heater) \\
CN922 (Anti-Condensation Heater (Scanner), Anti-Condensation Heater (PCU))
\end{tabular}} & 2A & 11071225 & No \\
\hline & & AC & SLT 250V 2A & Installed on
\[
\mathrm{DHB}^{* 5}
\] \\
\hline \multirow[b]{2}{*}{FU3} & \multirow[b]{2}{*}{CN912(IOB, SIO)} & 8A & 11071283 & Yes \\
\hline & & 24V & \[
\begin{gathered}
\text { FBT } 250 \mathrm{~V} \\
8 \mathrm{~A}(\mathrm{EM})
\end{gathered}
\] & Installed on DC power supply \\
\hline \multirow[b]{2}{*}{FU4} & \multirow[b]{2}{*}{CN917 (Interlock switch [IOB])} & 8A & 11071283 & Yes \\
\hline & & 24V & \[
\begin{gathered}
\text { FBT 250V } \\
8 \mathrm{~A}(\mathrm{EM})
\end{gathered}
\] & Installed on DC power supply \\
\hline \multirow[b]{2}{*}{FU5} & \multirow[b]{2}{*}{CN917 (Interlock switch [IOB])} & 8A & 11071283 & Yes \\
\hline & & 24V & FBT 250 V
8A(EM) & Installed on DC power supply \\
\hline
\end{tabular}
\begin{tabular}{|l|l|c|c|c|}
\hline \multirow{2}{*}{ Name } & Output connector & Capacity & Part number & \begin{tabular}{c} 
Can be \\
changed in the \\
field or not
\end{tabular} \\
\hline & & Voltage & Part name & Remarks \\
\hline FU7 & \begin{tabular}{l} 
CN913(FIN) \\
CN914(BANK)
\end{tabular} & \(8 A\) & 11071283 & Yes \\
\cline { 3 - 5 } & & 24 V & \begin{tabular}{c} 
FBT 250V \\
\(8 A(E M)\)
\end{tabular} & \begin{tabular}{c} 
Installed on \\
DC power \\
supply
\end{tabular} \\
\hline
\end{tabular}
*1 NA only
*2 8A for EU/AA/CHN
*3 11071239 for EU/AA/CHN
*4 TLC-8A-N4 for EU/AA/CHN
*5 DHB is a service option
Fuse position


\section*{ENVIRONMENT}
\begin{tabular}{|l|l|l|}
\hline \multicolumn{2}{|c|}{ REVISION HISTORY } \\
\hline Page & Date & \multicolumn{1}{l|}{ Added/Updated/New } \\
\hline & & None \\
\hline
\end{tabular}

\section*{6. ENVIRONMENT}

\subsection*{6.1 ENVIRONMENT}

\subsection*{6.1.1 ENERGY SAVER MODES}

Customers should use energy saver modes properly, to save energy and protect the environment.


The area shaded grey in this diagram represents the amount of energy that is saved when the timers are at the default settings. If the timers are changed, then the energy saved will be different. For example, if the timers are all set to 240 min., the grey area will disappear, and no energy is saved before 240 min. expires.
*1. The settings related to Low Power Mode are available only when setting "1" on SP5101-104.
SPs for setting energy saver mode
\begin{tabular}{|c|c|c|c|c|c|c|}
\hline SP name & Value & NA & EU & CHN & TWN & Asia \\
\hline \multirow{2}{*}{\begin{tabular}{c} 
SP5101-004 \\
(Timer Set: Low \\
Power)
\end{tabular}} & Min. & \(60(\mathrm{~s})\) & \(60(\mathrm{~s})\) & \(60(\mathrm{~s})\) & \(60(\mathrm{~s})\) & \(60(\mathrm{~s})\) \\
\cline { 2 - 7 } & Default & \(60(\mathrm{~s})\) & \(60(\mathrm{~s})\) & \(60(\mathrm{~s})\) & \(60(\mathrm{~s})\) & \(60(\mathrm{~s})\) \\
\cline { 2 - 7 } & Max. & \(1800(\mathrm{~s})\) & \(1800(\mathrm{~s})\) & \(14400(\mathrm{~s})\) & \(14400(\mathrm{~s})\) & \(14400(\mathrm{~s})\) \\
\cline { 2 - 7 } & Step & \(1(\mathrm{~m})\) & \(1(\mathrm{~m})\) & \(1(\mathrm{~m})\) & \(1(\mathrm{~m})\) & \(1(\mathrm{~m})\) \\
\hline \multirow{2}{*}{\begin{tabular}{c} 
SP5101-008 \\
(Timer Set: -)
\end{tabular}} & Min. & 0 & 0 & 0 & 0 & 0 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|}
\hline SP name & Value & NA & EU & CHN & TWN & Asia \\
\hline \multirow[t]{2}{*}{} & Max. & 1
(Enable) & 1
(Enable) & \[
\begin{gathered}
1 \\
\text { (Enable) }
\end{gathered}
\] & 1
(Enable) & \[
\begin{gathered}
1 \\
\text { (Enable) }
\end{gathered}
\] \\
\hline & Step & - & - & - & - & - \\
\hline \multirow[t]{4}{*}{\begin{tabular}{l}
SP5101-104 \\
(Timer Set: Low \\
Power Set)
\end{tabular}} & Min. & 0
(Disable) & 0 (Disable) & \begin{tabular}{l}
0 \\
(Disable)
\end{tabular} & 0 (Disable) & 0 (Disable) \\
\hline & Default & \[
\begin{gathered}
0 \\
\text { (Disable) }
\end{gathered}
\] & \[
\begin{gathered}
0 \\
\text { (Disable) }
\end{gathered}
\] & \[
\begin{gathered}
0 \\
\text { (Disable) }
\end{gathered}
\] & \[
\begin{gathered}
0 \\
\text { (Disable) }
\end{gathered}
\] & \[
\begin{gathered}
0 \\
\text { (Disable) }
\end{gathered}
\] \\
\hline & Max. & \[
\begin{gathered}
1 \\
\text { (Enable) }
\end{gathered}
\] & 1
(Enable) & \[
\begin{gathered}
1 \\
\text { (Enable) }
\end{gathered}
\] & 1
(Enable) & \[
\begin{gathered}
1 \\
\text { (Enable) }
\end{gathered}
\] \\
\hline & Step & - & - & - & - & - \\
\hline
\end{tabular}

\section*{Timer Settings}

The user can set these timers with User Tools (System settings > Timer setting)
- Energy saver timer (1-30 min for NA and EU/1-240 min for others): Low Power Mode. Default setting: 1 min .
- Auto off timer (1-60 min for NA and EU/1-240 min for others): Off/Sleep Mode. Default setting: 1 min .

Normally, Energy Saver timer < Auto Off timer. But, for example, if Auto Off timer < or = Energy Saver timer, the machine goes immediately to Off mode when the Auto Off timer expires. It skips the Energy Saver mode.

\section*{Example}
- Low power: 15 min .
- Auto Off: 1 min.
- The machine goes to Off mode after 1 minute. Low Power mode is not used.

\section*{Return to Stand-by Mode}

\section*{Low Power Mode}

The recovery time depends on the model and the region.
- 5.1 sec . or less

\section*{Off/Sleep Mode}

Recovery time.
- \(\quad 5.6 \mathrm{sec}\). or less

\section*{Recommendation}

We recommend that the default settings should be kept.
- If the customer requests that these settings should be changed, please explain that their energy costs could increase, and that they should consider the effects on the environment of extra energy use.
- If it is necessary to change the settings, please try to make sure that the Auto Off timer is not too long. Try with a shorter setting first, such as 30 min., then go to a longer one (such as 60 min.) if the customer is not satisfied.
- If the timers are all set to the maximum value, the machine will not begin saving energy until 240 minutes has expired after the last job. This means that after the customer has finished using the machine for the day, energy will be consumed that could otherwise be saved.
- If you change the settings, the energy consumed can be measured using SP8941, as explained below.

\subsection*{6.1.2 ENERGY SAVE EFFECTIVENESS}

SP 8941 (Machine Status) keeps a record of the amount of time that the machine spends in each mode.
- 8941-001: Operating mode
- 8941-002: Standby mode
- 8941-004: Low power mode
- 8941-005: Off/sleep mode

With this data, and the power consumption values from the specifications, we can estimate the amount of energy that is used by the machine.
This should only be used as a reference value, because the power consumption specifications are measured in a controlled environment with a constant power supply.
To get an exact measurement at the customers site, a watt meter must be used to measure the actual energy consumed.
To use SP8941 to calculate the energy consumed:
- At the start of the measurement period, read the values of SP8941 001 to 005.
- At the end of the measurement period, read the values of SP8941 001 to 005 again.
- Find the amount of time spent in each mode (subtract the earlier measurement from the later measurement).
- Multiply this by the power consumption spec for each mode.
- Convert the result to kWh (kilowatt hours)
\(\cdot\)

D176/D177
SYSTEM MAINTENANCE SECTION

\section*{D176/D177}

\section*{SYSTEM MAINTENANCE SECTION}

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\title{
SERVICE PROGRAM MODE
}
\begin{tabular}{|l|l|l|}
\hline \multicolumn{2}{|c|}{ REVISION HISTORY } \\
\hline Page & Date & \multicolumn{1}{l|}{ Added/Updated/New } \\
\hline & & None \\
\hline
\end{tabular}

\section*{1. SERVICE PROGRAM MODE}

\subsection*{1.1 ENABLING AND DISABLING SERVICE PROGRAM MODE}

\section*{\(\triangle\) CAUTION}
- Make sure that the data-in LED \((\vartheta)\) is not on before you go into the SP mode. This LED indicates that some data is coming to the machine. When the LED is on, wait for the copier to process the data.

\section*{(1) Note}
\(\qquad\) )
- The Service Program Mode is for use by service representatives only. If this mode is used by anyone other than service representatives for any reason, data might be deleted or settings might be changed. In such case, product quality cannot be guaranteed any more.

\subsection*{1.1.1 ENTERING SP MODE}

For details, ask your supervisor.

\subsection*{1.1.2 EXITING SP MODE}

Press "Exit" on the LCD twice to return to the copy window.

\subsection*{1.2 TYPES OF SP MODES}
- System SP: SP modes related to the engine functions
- Printer SP: SP modes related to the controller functions
- Scanner SP: SP modes related to the scanner functions
- Fax SP: SP modes related to the fax functions

Select one of the Service Program modes (System, Printer, Scanner, or Fax) from the touch panel as shown in the diagram below after you access the SP mode. This section explains the functions of the System/Printer/Scanner SP modes. Refer to the Fax service manual for the Fax SP modes.


\subsection*{1.2.1 SP MODE BUTTON SUMMARY}

Here is a short summary of the touch-panel buttons.

\begin{tabular}{|c|l|}
\hline No. & \multicolumn{1}{|c|}{ Description } \\
\hline 1 & Opens all SP groups and sublevels. \\
\hline 2 & Closes all open groups and sublevels and restores the initial SP mode display. \\
\hline 3 & \begin{tabular}{l} 
Opens the copy window (copy mode) so you can make test copies. Press SP \\
Mode (highlighted) in the copy window to return to the SP mode screen,
\end{tabular} \\
\hline 4 & \begin{tabular}{l} 
Enter the SP code directly with the number keys if you know the SP number. \\
Til. If not, just press the required SP Mode number.)
\end{tabular} \\
\hline 5 & \begin{tabular}{l} 
Press two times to leave the SP mode and return to the copy window to resume \\
normal operation.
\end{tabular} \\
\hline 6 & Press any Class 1 number to open a list of Class 2 SP modes. \\
\hline 7 & Press to scroll the show to the previous or next group. \\
\hline 8 & \begin{tabular}{l} 
Press to scroll to the previous or next display in segments the size of the screen \\
display (page).
\end{tabular} \\
\hline 9 & Press to scroll the show the previous or next line (line by line). \\
\hline 10 & Press to move the highlight on the left to the previous or next selection in the list. \\
\hline
\end{tabular}

\subsection*{1.2.2 SWITCHING BETWEEN SP MODE AND COPY MODE FOR TEST PRINTING}
1. In the SP mode, select the test print. Then press "Copy Window".
2. Use the copy window (copier mode), to select the appropriate settings (paper size, etc.) for the test print.
3. Press Start \({ }^{(9)}\) to start the test print.
4. Press SP Mode (highlighted) to return to the SP mode screen and repeat from step 1.

\subsection*{1.2.3 SELECTING THE PROGRAM NUMBER}

Program numbers have two or three levels.
1. Refer to the Service Tables to find the SP that you want to adjust before you begin.
2. Press the Group number on the left side SP Mode window that contains the SP that you want to adjust.
3. Use the scrolling buttons in the center of the SP mode window to show the SP number that you want to open. Then press that number to expand the list.
4. Use the center touch-panel buttons to scroll to the number and title of the item that you want to set and press it. The small entry box on the right activates and shows the below default or the current settings.


\section*{(4)Note}
- Refer to the Service Tables for the range of allowed settings.
5. Do this procedure to enter a setting:
- Press © to toggle between plus and minus and use the keypad to enter the appropriate number. The number you enter writes over the previous setting.
- Press (1) to enter the setting. (The value is not registered if you enter a number that is out of range.)
- Press "Yes" when you are prompted to complete the selection.
6. If you need to perform a test print, press Copy Window to open the copy window and select the settings for the test print. Press Start and then press SP Mode (highlighted) in the copy window to return to the SP mode display.
7. Press Exit two times to return to the copy window when you are finished.

\subsection*{1.2.4 EXITING SERVICE MODE}

Press the Exit key on the touch-panel.

\subsection*{1.2.5 SERVICE MODE LOCK/UNLOCK}

At locations where the machine contains sensitive data, the customer engineer cannot operate the machine until the Administrator turns the service mode lock off. This function makes sure that work on the machine is always done with the permission of the Administrator.
1. If you cannot go into the SP mode, ask the Administrator to log in with the User Tool and then set "Service Mode Lock" to OFF after he or she logs in:

User Tools > System Settings > Administrator Tools > Service Mode Lock > OFF
- This unlocks the machine and lets you get access to all the SP codes.
- The CE can service the machine and turn the machine off and on. It is not necessary to ask the Administrator to log in again each time the machine is turned on.
2. Go into the SP mode and set SP5169 to "1" if you must use the printer bit switches.
3. After machine servicing is completed:
- Change SP5169 from "1" to "0".
- Turn the machine off and on. Tell the administrator that you have completed servicing the machine.
- The Administrator will then set the "Service Mode Lock" to ON.

\subsection*{1.3 REMARKS}

The maximum number of characters which can show on the control panel screen is limited to 30 characters. For this reason, some of the SP modes shown on the screen need to be abbreviated. The following are abbreviations used for the SP modes for which the full description is over 20 characters.
\begin{tabular}{|l|l|}
\hline \multicolumn{1}{|c|}{ Item } & \multicolumn{1}{c|}{ Description } \\
\hline Paper Weight & \begin{tabular}{l} 
Thin paper: \(52-59 \mathrm{~g} / \mathrm{m}^{2}, 13.9-15.7 \mathrm{lb}\). \\
Plain Paper: \(60-81 \mathrm{~g} / \mathrm{m}^{2}, 16-21.6 \mathrm{lb}\). \\
Middle Thick: \(82-105 \mathrm{~g} / \mathrm{m}^{2}, 21.9-28 \mathrm{lb}\). \\
Thick Paper 1: \(106-169 \mathrm{~g} / \mathrm{m}^{2}, 28.5-44.9 \mathrm{lb}\). \\
Thick Paper 2: \(170-220 \mathrm{~g} / \mathrm{m}^{2}, 45-58 \mathrm{lb}\). \\
Thick Paper 3: 221-256 \(\mathrm{g} / \mathrm{m}^{2}, 59-68 \mathrm{lb}\) \\
Thick 4: \(257 \mathrm{~g} / \mathrm{m}^{2}-300 \mathrm{~g} / \mathrm{m}^{2}, 68.4-79.8 \mathrm{lb}\)
\end{tabular} \\
\hline Paper Type & \begin{tabular}{l} 
N: Normal paper \\
MTH: Middle thick paper \\
TH: Thick paper
\end{tabular} \\
\hline Paper Feed Station & \begin{tabular}{l} 
P: Paper tray \\
B: By-pass table
\end{tabular} \\
\hline Color Mode [Color] & \begin{tabular}{l} 
[K]: Black in B\&W mode \\
[Y], [M], or [C]: Yellow, Magenta, or Cyan in Full Color mode \\
[YMC]: Only for Yellow, Magenta, and Cyan \\
[FC]: Full Color mode \\
[FC, K], [FC, Y], [FC, M], or [FC, C]: Black, Yellow, Magenta, or \\
Cyan in full color mode
\end{tabular} \\
\hline Print Mode & \begin{tabular}{l} 
S: Simplex \\
D: Duplex
\end{tabular} \\
\hline P: Low speed (73 mm/s) \\
M: Middle speed (108 mm/s) \\
H: High speed (D146/D147: 146, D148: 186, D149/D150: 256 \\
mm/s)
\end{tabular}

\subsection*{1.3.1 OTHERS}

The following symbols are used in the SP mode tables.
FA: Factory setting
(Data may be adjusted from the default setting at the factory. Refer to the factory setting sheets enclosed. You can find it in the front cover.)

DFU: Design/Factory Use only
Do not touch these SP modes in the field.
A sharp (\#) to the right hand side of the mode number column means that the main switch must be turned off and on to effect the setting change.
An asterisk (*) to the right hand side of the mode number column means that this mode is stored in the NVRAM. If you do a RAM clear, this SP mode will be reset to the default value. "ENG" and "CTL" show which NVRAM contains the data.
- ENG: NVRAM on the BCU board
- CTL: NVRAM on the controller board

The settings of each SP mode are explained in the right-hand column of the SP table in the following way.
[Adjustable range / Default setting / Step] Alphanumeric

\section*{( \()\) Note}
- If "Alphanumeric" is written to the right of the bracket as shown above, the setting of the SP mode shows on the screen using alphanumeric characters instead of only numbers. However, the settings in the bracket in the SP mode table are explained by using only the numbers.

SSP: This denotes a "Special Service Program" mode setting.

\section*{SP MODE TABLES}
\begin{tabular}{|l|l|l|}
\hline \multicolumn{3}{c|}{ REVISION HISTORY } \\
\hline Page & Date & Added/Updated/New \\
\hline & & None \\
\hline
\end{tabular}

\section*{2. SP MODE TABLES}

\subsection*{2.1 SERVICE TABLE KEY}
\begin{tabular}{|l|l|}
\hline \multicolumn{1}{|c|}{ Notation } & \multicolumn{1}{c|}{ What it means } \\
\hline [range / default/step] & \begin{tabular}{l} 
Example: [-9 to +9 / \(0 / 0.1 \mathrm{~mm}\) step]. The setting \\
can be adjusted in the range \(\pm 9\), value reset to \\
+3.0 after an NVRAM reset, and the value can be \\
changed in 0.1 mm steps with each key press.
\end{tabular} \\
\hline * & \begin{tabular}{l} 
Value stored in NVRAM. After a RAM reset, this \\
default value (factory setting) is restored.
\end{tabular} \\
\hline DFU & \begin{tabular}{l} 
Denotes "Design or Factory Use". Do not change \\
this value.
\end{tabular} \\
\hline Japan only & \begin{tabular}{l} 
The feature or item is for Japan only. Do not \\
change this value.
\end{tabular} \\
\hline SSP & This denotes a "Special Service Program" mode.
\end{tabular}\(|\)\begin{tabular}{ll} 
This denotes a "Factory Service Program" mode.
\end{tabular}

\subsection*{2.2 MAIN SP TABLES-1}

\subsection*{2.2.1 SP1-XXX (FEED)}
\begin{tabular}{|c|c|c|c|}
\hline 1001 & \multicolumn{3}{|l|}{\begin{tabular}{l}
[Leading Edge Registration] \\
Adjusts the leading edge registration by changing the registration motor operation timing for each mode. Increasing a value: an image is moved to the trailing edge of paper.(It makes registration start timing earlier) \\
Decreasing a value: an image is moved to the leading edge of paper.(It makes registration start timing later)
\end{tabular}} \\
\hline 001 & Tray: Thin & *ENG & [-9.0 to 9.0 / 0.0 / 0.1mm/step] \\
\hline 002 & Tray: Plain & *ENG & [-9.0 to 9.0 / 0.0 / 0.1mm/step] \\
\hline 003 & Tray: Mid-thick & *ENG & [-9.0 to 9.0 / 0.0 / 0.1mm/step] \\
\hline 004 & Tray: Thick 1 & *ENG & [-9.0 to 9.0 / 0.0 / 0.1mm/step] \\
\hline 005 & Tray: Thick 2 & *ENG & [-9.0 to 9.0 / 0.0 / 0.1mm/step] \\
\hline 006 & Tray: Thick 3 & *ENG & [-9.0 to 9.0 / 0.0 / 0.1mm/step] \\
\hline 007 & Tray: Thick 4 & *ENG & [-9.0 to 9.0 / 0.0 / 0.1mm/step] \\
\hline 008 & By-pass: Thin & *ENG & [-9.0 to 9.0 / 0.0 / 0.1mm/step] \\
\hline 009 & By-pass: Plain & *ENG & [-9.0 to 9.0 / 0.0 / 0.1mm/step] \\
\hline 010 & By-pass: Mid-thick & *ENG & [-9.0 to 9.0 / 0.0 / 0.1mm/step] \\
\hline 011 & By-pass: Thick 1 & *ENG & [-9.0 to 9.0 / 0.0 / 0.1mm/step] \\
\hline 012 & By-pass: Thick 2 & *ENG & [-9.0 to 9.0 / 0.0 / 0.1mm/step] \\
\hline 013 & By-pass: Thick 3 & *ENG & [-9.0 to 9.0 / 0.0 / 0.1mm/step] \\
\hline 014 & By-pass: Thick 4 & *ENG & [-9.0 to 9.0 / 0.0 / 0.1mm/step] \\
\hline 015 & Duplex: Thin & *ENG & [-9.0 to 9.0 / 0.0 / 0.1mm/step] \\
\hline 016 & Duplex: Plain & *ENG & [-9.0 to 9.0 / 0.0 / 0.1mm/step] \\
\hline 017 & Duplex: Mid-thick & *ENG & [-9.0 to 9.0 / 0.0 / 0.1mm/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 018 & Duplex: Thick 1 & *ENG & [-9.0 to 9.0 / 0.0 / 0.1mm/step] \\
\hline 019 & Duplex: Thick 2 & *ENG & [-9.0 to 9.0 / 0.0 / 0.1mm/step] \\
\hline 020 & Duplex: Thick 3 & *ENG & [-9.0 to 9.0 / 0.0 / 0.1mm/step] \\
\hline 021 & Tray: Thin:1200 & *ENG & [-9.0 to 9.0 / 0.0 / 0.1mm/step] \\
\hline 022 & Tray: Plain:1200 & *ENG & [-9.0 to 9.0 / 0.0 / 0.1mm/step] \\
\hline 023 & Tray: Mid-thick:1200 & *ENG & [-9.0 to 9.0 / 0.0 / 0.1mm/step] \\
\hline 024 & Tray: Thick 1:1200 & *ENG & [-9.0 to 9.0 / 0.0 / 0.1mm/step] \\
\hline 025 & Tray: Thick 2:1200 & *ENG & [-9.0 to 9.0 / 0.0 / 0.1mm/step] \\
\hline 026 & Tray: Thick 3:1200 & *ENG & [-9.0 to 9.0 / 0.0 / 0.1mm/step] \\
\hline 027 & Tray: Thick 4:1200 & *ENG & [-9.0 to 9.0 / 0.0 / 0.1mm/step] \\
\hline 028 & By-pass: Thin:1200 & *ENG & [-9.0 to 9.0 / 0.0 / 0.1mm/step] \\
\hline 029 & By-pass: Plain:1200 & *ENG & [-9.0 to 9.0 / 0.0 / 0.1mm/step] \\
\hline 030 & By-pass: Mid-thick:1200 & *ENG & [-9.0 to 9.0 / 0.0 / 0.1mm/step] \\
\hline 031 & By-pass: Thick 1:1200 & *ENG & [-9.0 to 9.0 / 0.0 / 0.1mm/step] \\
\hline 032 & By-pass: Thick 2:1200 & *ENG & [-9.0 to 9.0 / 0.0 / 0.1mm/step] \\
\hline 033 & By-pass: Thick 3:1200 & *ENG & [-9.0 to 9.0 / 0.0 / 0.1mm/step] \\
\hline 034 & By-pass: Thick 4:1200 & *ENG & [-9.0 to 9.0 / 0.0 / 0.1mm/step] \\
\hline 035 & Duplex: Thin:1200 & *ENG & [-9.0 to 9.0 / 0.0 / 0.1mm/step] \\
\hline 036 & Duplex: Plain:1200 & *ENG & [-9.0 to 9.0 / 0.0 / 0.1mm/step] \\
\hline 037 & Duplex: Mid-thick:1200 & *ENG & [-9.0 to 9.0 / 0.0 / 0.1mm/step] \\
\hline 038 & Duplex: Thick 1:1200 & *ENG & [-9.0 to 9.0 / 0.0 / 0.1mm/step] \\
\hline 039 & Duplex: Thick 2:1200 & *ENG & [-9.0 to 9.0 / 0.0 / 0.1mm/step] \\
\hline 040 & Duplex: Thick 3:1200 & *ENG & [-9.0 to 9.0 / 0.0 / 0.1 mm/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|l|l|l|}
\hline 1002 & \begin{tabular}{l} 
[Side-to-Side Registration] \\
Adjusts the side-to-side registration by changing the laser main scan start \\
position for each mode and tray. \\
Increasing a value: an image is moved to the rear edge of paper. \\
Decreasing a value: an image is moved to the front edge of paper.
\end{tabular} \\
\hline 001 & By-pass Tray & ENG & \multirow{2}{*}{\begin{tabular}{c} 
ENG
\end{tabular}} \\
\hline 002 & Paper Tray 1 & ENG & \\
\hline 003 & Paper Tray 2 & ENG & E-4.0 to \(4.0 / 0.0 / 0.1 \mathrm{~mm} / \mathrm{step}]\) \\
\hline 004 & Paper Tray 3 & ENG & \\
\hline 005 & Paper Tray 4 & ENG & \\
\hline 006 & Duplex & *ENG & [-4.0 to \(4.0 / 0.0 / 0.1 \mathrm{~mm} /\) step] \\
\hline 007 & Large Capacity Tray & *ENG & [-4.0 to \(4.0 / 0.0 / 0.1 \mathrm{~mm} /\) step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 1003 & \multicolumn{3}{|l|}{\begin{tabular}{l}
[Paper Buckle] \\
Adjusts the amount of paper buckle at the registration roller by changing the paper feed timing. \\
(A "+" setting causes more buckling.)
\end{tabular}} \\
\hline 001 & Paper Tray1: Thin & *ENG & [-4.0 to 5.0 / 0.0 / 0.1 mm/step] \\
\hline 002 & Paper Tray1: Plain & *ENG & [-4.0 to 5.0 / 0.0 / 0.1mm/step] \\
\hline 003 & Paper Tray 1: Mid-thick & *ENG & [-4.0 to 5.0 / 0.0 / 0.1 mm/step] \\
\hline 004 & Paper Tray1: Thick1 & *ENG & [-4.0 to 5.0 / -2.0 / 0.1 mm/step] \\
\hline 005 & Tray2/3/4/5/LCT: Thin & *ENG & [-4.0 to 5.0 / 0.0 / 0.1 mm/step] \\
\hline 006 & Tray2/3/4/5/LCT: Plain & *ENG & [-4.0 to 5.0 / 0.0 / 0.1mm/step] \\
\hline 007 & Tray 2/3/4/5/LCT: Mid-thick & *ENG & [-4.0 to 5.0 / 0.0 / 0.1 mm/step] \\
\hline 008 & Tray2/3/4/5/LCT: Thick 1 & *ENG & [-4.0 to 5.0 / -2.0 / 0.1 mm/step] \\
\hline 009 & By-pass: Thin & *ENG & [-4.0 to 5.0 / 0.0 / 0.1 mm/step] \\
\hline 010 & By-pass: Plain & *ENG & [-4.0 to 5.0 / 0.0 / 0.1 mm/step] \\
\hline 011 & By-pass: Mid-thick & *ENG & [-4.0 to 5.0 / 0.0 / 0.1 mm/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 012 & By-pass:Thick1 & *ENG & [-4.0 to 5.0 / -1.0 / 0.1mm/step] \\
\hline 013 & Duplex:Thin & *ENG & [-4.0 to 5.0 / 0.0 / 0.1mm/step] \\
\hline 014 & Duplex:Plain & *ENG & [-4.0 to 5.0 / 0.0 / 0.1 mm/step] \\
\hline 015 & Duplex: Mid-thick & *ENG & [-4.0 to 5.0 / 0.0/ \(0.1 \mathrm{~mm} /\) step] \\
\hline 016 & Duplex:Thick1 & *ENG & [-4.0 to 5.0 / -1.0/ 0.1mm/step] \\
\hline 017 & Paper Tray1: Thin:1200 & *ENG & [-4.0 to 5.0 / 0.0 / 0.1mm/step] \\
\hline 018 & Paper Tray1: Plain:1200 & *ENG & [-4.0 to 5.0 / 0.0 / 0.1 mm/step] \\
\hline 019 & Paper Tray 1: Mid-thick:1200 & *ENG & [-4.0 to 5.0 / 0.0 / 0.1mm/step] \\
\hline 020 & Paper Tray1: Thick1:1200 & *ENG & [-4.0 to 5.0 / -2.0 / 0.1mm/step] \\
\hline 021 & Tray2/3/4/5/LCT: Thin:1200 & *ENG & [-4.0 to 5.0 / 0.0 / 0.1mm/step] \\
\hline 022 & Tray2/3/4/5/LCT: Plain:1200 & *ENG & [-4.0 to 5.0 / 0.0 / 0.1 mm/step] \\
\hline 023 & Tray2/3/4/5/LCT: Mid:1200 & *ENG & [-4.0 to 5.0 / 0.0 / 0.1mm/step] \\
\hline 024 & Tray2/3/4/5/LCT: Thick 1:1200 & *ENG & [-4.0 to 5.0 / -2.0 / 0.1mm/step] \\
\hline 025 & By-pass: Thin:1200 & *ENG & [-4.0 to 5.0 / 0.0 / 0.1mm/step] \\
\hline 026 & By-pass: Plain:1200 & *ENG & [-4.0 to 5.0 / 0.0 / 0.1mm/step] \\
\hline 027 & By-pass: Mid-thick:1200 & *ENG & [-4.0 to 5.0 / 0.0 / 0.1 mm/step] \\
\hline 028 & By-pass:Thick1:1200 & *ENG & [-4.0 to 5.0 / -1.0 / 0.1mm/step] \\
\hline 029 & Duplex:Thin:1200 & *ENG & [-4.0 to 5.0 / 0.0/ 0.1 mm/step] \\
\hline 030 & Duplex:Plain:1200 & *ENG & [-4.0 to 5.0 / 0.0 / 0.1 mm/step] \\
\hline 031 & Duplex: Mid-thick:1200 & *ENG & [-4.0 to 5.0 / 0.0 / 0.1mm/step] \\
\hline 032 & Duplex:Thick1:1200 & *ENG & [-4.0 to 5.0 / 0.0 / 0.1 mm/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 1007 & \multicolumn{3}{|l|}{[By-Pass Size Detection]} \\
\hline \multirow[t]{2}{*}{001} & Switch LT SEF/LG SEF & ENG & \[
\begin{aligned}
& \text { [0 or } 1 / 0 / 1 / \text { step }] \\
& 0: \text { OFF } \\
& 1: \text { ON }
\end{aligned}
\] \\
\hline & \multicolumn{3}{|l|}{Select either LT SEF or LG SEF to detect preferentially when using bypass tray which can not auto detect size.} \\
\hline \multirow[b]{2}{*}{002} & By-Pass Jam Detection Set & ENG & \begin{tabular}{l}
[0 or 1 / 0 / 1/step] \\
0 : Normal Detection \\
1: Simple Detection
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Special order function for old models: When receiving long length FAX, enter maximum size of custom size for when setting receiving in bypass size, prevent from jamming shorter data than that. 0 : Normal detect: when paper size is different form set size (longer of shorter), jam. 1: Simple detect: Jam when paper size is longer than set size.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{1008} & \multicolumn{3}{|l|}{[SI By-Pass Size Detection Adj]} \\
\hline & \multicolumn{3}{|l|}{-} \\
\hline \multirow{2}{*}{001} & Sidefence Auto Adj & *ENG & \[
\begin{aligned}
& {[0 \text { or } 1 / 1 / 1 / \text { step }]} \\
& 0: \text { OFF } \\
& 1: \text { ON }
\end{aligned}
\] \\
\hline & \multicolumn{3}{|l|}{With one action bypass models, switches do or do not side fence auto fine tune when paper is set. But when setting auto fine tune off, detectable paper size will drop to same as regular bypass tray.} \\
\hline & Paper Set Fix Time & *ENG & \begin{tabular}{l}
[0 to \(10 / 2\) / \\
\(1 \mathrm{sec} /\) step]
\end{tabular} \\
\hline 003 & \multicolumn{3}{|l|}{Set the waiting time to activate the side fence auto adjustment after a stack of paper has been set on the by-pass tray. Will have more time till side fence to star moving when setting waiting time longer, but time for setting paper will also be loner. If waiting time is short, side fence might star to move during setting paper. SC or malfunction or so will not occur.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{004} & Sidefence Contact Detction:Timeout Adj Value & *ENG & \[
\begin{aligned}
& {[-200 \text { to } 4000 / 0 /} \\
& 100 \mathrm{msec} / \text { step }]
\end{aligned}
\] \\
\hline & \multicolumn{3}{|l|}{With one action bypass tray, displays an alert message when side fence and paper are more then 10 mm apart due to not able to auto adjust. Adjust that distance. Plus make movable distance longer.} \\
\hline \multirow{2}{*}{005} & Sidefence Adj Correction Value & *ENG & \[
\begin{aligned}
& {[0.00 \text { to } 4.00 / 0.00 /} \\
& 0.01 \mathrm{~mm} / \text { step }]
\end{aligned}
\] \\
\hline & \multicolumn{3}{|l|}{Fine tunes the distance of paper and side fence for one action bypass tray. Plus makes more distance.} \\
\hline \multirow{2}{*}{006} & Sidefence F adj1 & *ENG & \[
\begin{aligned}
& {[0.000 \text { to } 3.300 /} \\
& 0.000 / 0.001 \mathrm{~V} / \text { step }]
\end{aligned}
\] \\
\hline & \multicolumn{3}{|l|}{Side fence of one action bypass: enter value of front sensor touched down (papers exist).} \\
\hline \multirow[t]{2}{*}{007} & Sidefence F adj2 & *ENG & [0.000 to 3.300 / 0.000 / 0.001V/step] \\
\hline & \multicolumn{3}{|l|}{Side fence of one action bypass: enter value of front sensor free (paper doesn't exist).} \\
\hline \multirow[t]{2}{*}{008} & Sidefence R adj1 & *ENG & [0.000 to \(3.300 /\) 0.000 / 0.001V/step] \\
\hline & \multicolumn{3}{|l|}{Side fence of one action bypass: enter value of rear sensor touched down (papers exist)} \\
\hline \multirow[t]{2}{*}{009} & Sidefence R adj2 & *ENG & [0.000 to \(3.300 /\) 0.000 / 0.001V/step] \\
\hline & \multicolumn{3}{|l|}{Side fence of one action bypass: enter value of rear sensor free (paper doesn't exist).} \\
\hline \multirow{2}{*}{010} & Envelope Choukei 4_SEF/Postcard_SEF Th & *ENG & \[
\begin{aligned}
& {[0.000 \text { to } 3.300 /} \\
& 0.000 / 0.001 \mathrm{~V} / \text { step }]
\end{aligned}
\] \\
\hline & \multicolumn{3}{|l|}{Adjoining paper width threshold with side fence position sensor of one action bypass tray.} \\
\hline \multirow[t]{2}{*}{011} & Envelope Choukei 3_SEF/B6_SEF Threshold & *ENG & \[
\begin{aligned}
& {[0.000 \text { to } 3.300 /} \\
& 0.000 / 0.001 \mathrm{~V} / \text { step }]
\end{aligned}
\] \\
\hline & \multicolumn{3}{|l|}{Adjoining paper width threshold with side fence position sensor of one action bypass tray} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[t]{2}{*}{012} & B6_SEF/HLT_SEF Threshold & *ENG & [0.000 to 3.300 / 0.000 / 0.001V/step] \\
\hline & \multicolumn{3}{|l|}{Adjoining paper width threshold with side fence position sensor of one action bypass tray.} \\
\hline \multirow[t]{2}{*}{013} & HLT_SEF/A5_SEF Threshold & *ENG & [0.000 to 3.300 / \(0.000 / 0.001 \mathrm{~V} /\) step] \\
\hline & \multicolumn{3}{|l|}{Adjoining paper width threshold with side fence position sensor of one action bypass tray.} \\
\hline \multirow[t]{2}{*}{014} & A5_SEF/(C6/Envelope Youkei 2)_LEF,B5_SEF Th & *ENG & [ 0.000 to 3.300 / \(0.000 / 0.001 \mathrm{~V} / \mathrm{step}]\) \\
\hline & \multicolumn{3}{|l|}{Adjoining paper width threshold with side fence position sensor of one action bypass tray.} \\
\hline \multirow[t]{2}{*}{015} & (C6/Envelope Youkei 2)_LEF/Monarch_LEF Th & *ENG & [0.000 to 3.300 / 0.000 / 0.001V/step] \\
\hline & \multicolumn{3}{|l|}{Adjoining paper width threshold with side fence position sensor of one action bypass tray.} \\
\hline \multirow[t]{2}{*}{016} & Monarch_LEF/(F/GL)_SEF,DoublePostcard_LEF Th & *ENG & [0.000 to 3.300 / 0.000 / 0.001V/step] \\
\hline & \multicolumn{3}{|l|}{Adjoining paper width threshold with side fence position sensor of one action bypass tray.} \\
\hline \multirow[t]{2}{*}{017} & (F/GL)_SEF,DoublePostc_LEF/A5_LEF,LT_SEF Th & *ENG & [0.000 to 3.300 / \(0.000 / 0.001 \mathrm{~V} /\) step] \\
\hline & \multicolumn{3}{|l|}{Adjoining paper width threshold with side fence position sensor of one action bypass tray.} \\
\hline \multirow[t]{2}{*}{018} & A5_LEF/DL Env_LEF Threshold & *ENG & \begin{tabular}{l}
[0.000 to 3.300 / \\
0.000 / 0.001V/step]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Adjoining paper width threshold with side fence position sensor of one action bypass tray.} \\
\hline \multirow[t]{2}{*}{019} & LT_SEF/SRA4_SEF Threshold & *ENG & \begin{tabular}{l}
[0.000 to 3.300 / \\
\(0.000 / 0.001 \mathrm{~V} /\) step]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Adjoining paper width threshold with side fence position sensor of one action bypass tray.} \\
\hline \multirow[t]{2}{*}{020} & DL Env_LEF/C5_LEF Threshold & *ENG & \begin{tabular}{l}
[0.000 to 3.300 / \\
0.000 / 0.001V/step]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Adjoining paper width threshold with side fence position sensor of one action bypass tray.} \\
\hline 021 & SRA4_SEF/Envelope Youchou 3_LEF Threshold & *ENG & \begin{tabular}{l}
[0.000 to 3.300 / \\
\(0.000 / 0.001 \mathrm{~V} /\) step]
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline & \multicolumn{3}{|l|}{Adjoining paper width threshold with side fence position sensor of one action bypass tray.} \\
\hline \multirow[t]{2}{*}{022} & C5_LEF/COM10_LEF,Env Kaku 2_SEF Threshold & *ENG & \begin{tabular}{l}
[0.000 to 3.300 / \\
0.000 / 0.001V/step]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Adjoining paper width threshold with side fence position sensor of one action bypass tray.} \\
\hline \multirow[t]{2}{*}{023} & (EvYouc3,COM10)LEF,EvKa2SEF/10x14SEF,B5LEFTh & *ENG & \begin{tabular}{l}
[0.000 to 3.300 / \\
0.000 / 0.001V/step]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Adjoining paper width threshold with side fence position sensor of one action bypass tray.} \\
\hline \multirow[t]{2}{*}{024} & \(10 \times 14\) _SEF/Exe_LEF, 8K_SEF Threshold & *ENG & \begin{tabular}{l}
[0.000 to 3.300 / \\
0.000 / 0.001V/step]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Adjoining paper width threshold with side fence position sensor of one action bypass tray.} \\
\hline \multirow[t]{2}{*}{025} & Exe_LEF, 8K_SEF/DLT_SEF Threshold & *ENG & \begin{tabular}{l}
[0.000 to 3.300 / \\
0.000 / 0.001V/step]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Adjoining paper width threshold with side fence position sensor of one action bypass tray.} \\
\hline \multirow[t]{2}{*}{026} & DLT_SEF/A3_SEF Threshold & *ENG & \begin{tabular}{l}
[0.000 to 3.300 / \\
0.000 / 0.001V/step]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Adjoining paper width threshold with side fence position sensor of one action bypass tray.} \\
\hline \multirow[t]{2}{*}{027} & A3_SEF/12 \(\times 18\) _SEF Threshold & *ENG & \begin{tabular}{l}
[0.000 to 3.300 / \\
0.000 / 0.001V/step]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Adjoining paper width threshold with side fence position sensor of one action bypass tray.} \\
\hline \multirow[t]{2}{*}{028} & \(12 \times 18\) SEF/SRA3_SEF Threshold & *ENG & \begin{tabular}{l}
[0.000 to 3.300 / \\
0.000 / 0.001V/step]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Adjoining paper width threshold with side fence position sensor of one action bypass tray.} \\
\hline \multirow[t]{2}{*}{029} & Switch Env Youchou 3 LEF/Env Youkei 4 LEF & *ENG & \[
\begin{aligned}
& {[0 \text { or } 1 / 0 / 1 / \text { step }]} \\
& 0: \text { OFF } \\
& 1: \text { ON }
\end{aligned}
\] \\
\hline & \multicolumn{3}{|l|}{Adjoining paper width threshold with side fence position sensor of one action bypass tray.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[t]{2}{*}{030} & Switch LT SEF/LG SEF & *ENG & \[
\begin{aligned}
& {[0 \text { or } 1 / 0 / 1 / \text { step }]} \\
& 0: \text { OFF } \\
& 1: \text { ON }
\end{aligned}
\] \\
\hline & \multicolumn{3}{|l|}{Adjoining paper width threshold with side fence position sensor of one action bypass tray.} \\
\hline \multirow[t]{2}{*}{031} & Switch C5 LEF/SRA4 & *ENG & \[
\begin{aligned}
& \text { [0 or } 1 / 0 \text { / 1/step] } \\
& 0: \text { OFF } \\
& 1: \text { ON }
\end{aligned}
\] \\
\hline & \multicolumn{3}{|l|}{Adjoining paper width threshold with side fence position sensor of one action bypass tray.} \\
\hline \multirow{2}{*}{032} & Main Scan Size Adj & ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Fine tunes side fence position sensor of one action bypass tray.} \\
\hline \multirow{2}{*}{033} & Main Scan Size Adj Result (0:Fail 1:Succeed) & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Displays result of fine tuning side fence position sensor of one action bypass tray.} \\
\hline \multirow[b]{2}{*}{034} & Paper Press Amt Adj Value & *ENG & [-1.6 to 3.0 / 0.0 / \(0.1 \mathrm{~mm} / \mathrm{step}\) ] \\
\hline & \multicolumn{3}{|l|}{Have pressuring time for side fence of one action bypass tray (for truing up the paper) When making this value larger than necessary, side effects might occur like thin paper buckling.} \\
\hline \multirow[t]{2}{*}{035} & Postcard_SEF/Envelope Choukei 3_SEF Th & *ENG & [0.000 to 3.300 / \(0.000 / 0.001 \mathrm{~V} /\) step] \\
\hline & \multicolumn{3}{|l|}{Adjoining paper width threshold with side fence position sensor of one action bypass tray.} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline 1009 & \multicolumn{3}{|l|}{\begin{tabular}{l} 
[Initial Operation Setting] \\
Switches 1: ON 0: OFF of register back rush removal when recovering form \\
sleep mode. With default setting, this is OFF prior less noise.
\end{tabular}} \\
\hline 001 & \begin{tabular}{l} 
Registration Gear Backlash \\
Cut
\end{tabular} & *ENG & \begin{tabular}{l}
{\([0\) or 1/0 / 1/step] } \\
\(0:\) OFF \\
\(1: O N\)
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 1101 & \multicolumn{3}{|l|}{\begin{tabular}{l}
[Reload Permit Setting] DFU \\
Specifies the settings of the reload permit.
\end{tabular}} \\
\hline 001 & Pre-rotation Start Temp. & *ENG & [0 to 200 / 0 / 1deg/step] \\
\hline 002 & Reload Target Temp.:Center & *ENG & [0 to 190 / 113 / 1deg/step] \\
\hline 003 & Reload Target Temp.:Press & *ENG & [0 to 200 / 120 / 1deg/step] \\
\hline 004 & Temp.:Delta:Cold:Center & *ENG & [0 to 200 / 32 / 1deg/step] \\
\hline 005 & Temp.:Delta:Cold:End & *ENG & [0 to 200 / 32 / 1deg/step] \\
\hline 006 & Temp.: Delta:Cold:Press & *ENG & [0 to 200 / 110 / 1deg/step] \\
\hline 007 & Forced Reload Time:Cold & *ENG & \begin{tabular}{l}
[0.0 to 100.0 / 13.0 / \\
\(0.1 \mathrm{sec} / \mathrm{step}]\)
\end{tabular} \\
\hline 008 & Temp.:Delta:Low Power:Center & *ENG & [0 to 200 / 5 / 1deg/step] \\
\hline 009 & Temp.:Delta:Low Power:End & *ENG & [0 to 200 / 5 / 1deg/step] \\
\hline 010 & Temp.:Delta:Low Power:Press & *ENG & [0 to 200 / 110 / 1deg/step] \\
\hline 011 & Forced Reload Time:Low Power & *ENG & \begin{tabular}{l}
[0.0 to 100.0 / 13.0 / \\
\(0.1 \mathrm{sec} / \mathrm{step}]\)
\end{tabular} \\
\hline 012 & Temp.:Delta:Hot:Center & *ENG & [0 to 200 / 5 / 1deg/step] \\
\hline 013 & Temp.:Delta:Hot:End & *ENG & [0 to 200 / 5 / 1deg/step] \\
\hline 014 & Temp.:Delta:Hot:Press & *ENG & [0 to 200 / 110 / 1deg/step] \\
\hline 015 & Forced Reload Time:Hot & *ENG & \begin{tabular}{l}
[ 0.0 to 100.0 / 13.0 / \\
\(0.1 \mathrm{sec} / \mathrm{step}]\)
\end{tabular} \\
\hline 016 & Temp.:Delta:Cold:BW1/2:Center & *ENG & [0 to \(200 / 32 / 1 \mathrm{deg} /\) step] \\
\hline 017 & Temp.: Delta:Cold:BW1/2:End & *ENG & [0 to \(200 / 32 / 1 \mathrm{deg} /\) step] \\
\hline 018 & Temp.:Delta:Cold:BW1/2:Press & *ENG & [0 to 200 / 110 / 1deg/step] \\
\hline 019 & Forced Reload Time:Cold:BW1/2 & *ENG & \begin{tabular}{l}
[0.0 to 100.0 / 13.0 / \\
\(0.1 \mathrm{sec} / \mathrm{step}]\)
\end{tabular} \\
\hline 101 & Reload Target Temp.:Center:Energy Saving & *ENG & [0 to 200 / 113 / 1deg/step] \\
\hline 102 & Reload Target Temp.:Press:Energy Saving & *ENG & [0 to 200 / 120 / 1deg/step] \\
\hline \multicolumn{2}{|l|}{SYSTEM MAINTENANCE SECTION 2-11} & & D176/D177 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 103 & Temp.:Delta:Cold:Energy Saving:Center & *ENG & [0 to 200 / 40 / 1deg/step] \\
\hline 104 & Temp.:Delta:Cold:Energy Saving:End & *ENG & [0 to 200 / 40 / 1deg/step] \\
\hline 105 & Temp.:Delta:Cold:Energy Saving:Press & *ENG & [0 to 200 / 100 / 1deg/step] \\
\hline 106 & Forced Reload Time:Cold:Energy Saving & *ENG & \begin{tabular}{l}
[0.0 to 100.0 / 30.0 / \\
\(0.1 \mathrm{sec} / \mathrm{step}]\)
\end{tabular} \\
\hline 151 & Temp.:Delta:Low Temp.:Center & *ENG & [0 to 200 / 5 / 1deg/step] \\
\hline 152 & Temp.:Delta:Low Temp.:End & *ENG & [0 to 200 / 5 / 1deg/step] \\
\hline 153 & Temp.:Delta:Low Temp.:Press & *ENG & [0 to 200 / 70 / 1deg/step] \\
\hline 154 & Forced Reload Time:Low Temp. & *ENG & \begin{tabular}{l}
[0.0 to 100.0 / 60.0 / \\
\(0.1 \mathrm{sec} / \mathrm{step}]\)
\end{tabular} \\
\hline 201 & Temp.:Delta:Cold:Center:FIN-less/ADF-less & *ENG & [0 to 200 / 32 / 1deg/step] \\
\hline 202 & Temp.:Delta:Cold:End:FIN-less/ADF-less & *ENG & [0 to 200 / 32 / 1deg/step] \\
\hline 203 & Temp.:Delta:Cold:Press:FIN-less/ADF-less & *ENG & [0 to 200 / 110 / 1deg/step] \\
\hline 204 & Forced Reload Time:Cold:FIN-less/ADF-less & *ENG & \begin{tabular}{l}
[0.0 to 100.0 / 13.0 / \\
\(0.1 \mathrm{sec} / \mathrm{step}]\)
\end{tabular} \\
\hline 211 & Temp:Delta:Cold:Center:FIN-less/ADF-attached & *ENG & [0 to 200 / 32 / 1deg/step] \\
\hline 212 & Temp.:Delta:Cold:End:FIN-less/ADF-attached & *ENG & [0 to \(200 / 32\) / 1deg/step] \\
\hline 213 & Temp.:Delta:Cold:Press:FIN-less/ADF-attached & *ENG & [0 to 200 / 110 / 1deg/step] \\
\hline 214 & ForcedReloadTime:Cold:FIN-less/ADF-attached & *ENG & \[
\begin{aligned}
& {[0.0 \text { to } 100.0 / 13.0 /} \\
& 0.1 \mathrm{sec} / \text { /step] }
\end{aligned}
\] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 1102 & \multicolumn{3}{|l|}{\begin{tabular}{l}
[Feed Permit Setting] DFU \\
Specified the settings of the paper feeding timing.
\end{tabular}} \\
\hline 001 & Temp.:Lower Delta:Center & *ENG & [0 to 200 / 40 / 1deg/step] \\
\hline 002 & Temp.:Lower Delta:End & *ENG & [0 to 200 / 40 / 1deg/step] \\
\hline 003 & Temp.:Upper Delta:Center & *ENG & [0 to 200 / 40 / 1deg/step] \\
\hline 004 & Temp.:Upper Delta:End & *ENG & [0 to 200 / 40 / 1deg/step] \\
\hline 005 & Temp.:Lower Delta:Press & *ENG & [0 to 200 / 0.80 / 1deg/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 006 & Rotation Time & *ENG & [0 to 100 / 0 / 1sec/step] \\
\hline 007 & \begin{tabular}{l}
Temp.:Lower \\
Delta:Center:Sp. 1
\end{tabular} & *ENG & [0 to 200 / 5 / 1deg/step] \\
\hline 008 & Temp.:Lower Delta:End:Sp. 1 & *ENG & [0 to 200 / 5 / 1deg/step] \\
\hline 009 & \begin{tabular}{l}
Temp.:Upper \\
Delta:Center:Sp. 1
\end{tabular} & *ENG & [0 to 200 / 30 / 1deg/step] \\
\hline 010 & Temp.:Upper Delta:End:Sp. 1 & *ENG & [0 to 200 / 30 / 1deg/step] \\
\hline 011 & \begin{tabular}{l}
Temp.:Lower \\
Delta:Press:Sp. 1
\end{tabular} & *ENG & [0 to 200 / 45 / 1deg/step] \\
\hline 012 & Rotation Time:Sp. 1 & *ENG & [0 to 100 / \(\mathbf{0 . 8 0} / 1 \mathrm{sec} / \mathrm{step}\) ] \\
\hline 013 & \begin{tabular}{l}
Temp.:Lower \\
Delta:Center:Sp. 2
\end{tabular} & *ENG & [0 to 200 / 5 / 1deg/step] \\
\hline 014 & Temp.:Lower Delta:End:Sp. 2 & *ENG & [0 to 200 / 5 / 1deg/step] \\
\hline 015 & \begin{tabular}{l}
Temp.:Upper \\
Delta:Center:Sp. 2
\end{tabular} & *ENG & [0 to 200 / 15 / 1deg/step] \\
\hline 016 & Temp.:Upper Delta:End:Sp. 2 & *ENG & [0 to 200 / 15 / 1deg/step] \\
\hline 017 & \begin{tabular}{l}
Temp.:Lower \\
Delta:Press:Sp. 2
\end{tabular} & *ENG & [0 to 200 / 100 / 1deg/step] \\
\hline 018 & Rotation Time:Sp2 & *ENG & [0 to \(100 / 0 / 1 \mathrm{sec} / \mathrm{step}\) ] \\
\hline 019 & Feed Permit Time & *ENG & [0 to \(100 / 60 / 1 \mathrm{sec} /\) step] \\
\hline 020 & Temp.:Lower Delta:Center & *ENG & [0 to 200 / 40 / 1deg/step] \\
\hline 021 & Temp.:Lower Delta:End & *ENG & [0 to 200 / 40 / 1deg/step] \\
\hline 022 & Temp.:Upper Delta:Center & *ENG & [0 to 200 / 30 / 1deg/step] \\
\hline 023 & Temp.:Upper Delta:End & *ENG & [0 to 200 / 30 / 1deg/step] \\
\hline 024 & Temp.:Lower Delta:Press & *ENG & [0 to 200 / 31 / 1deg/step] \\
\hline 025 & Temp.:Lower Delta:Press & *ENG & [0 to 200 / 48 / 1deg/step] \\
\hline 026 & Rotation Time & *ENG & [ 0 to 100 / 0.80 / 1sec/step] \\
\hline 027 & Temp.:Lower Delta:Center & *ENG & [0 to 200 / 5 / 1deg/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 028 & Temp.:Lower Delta:End & *ENG & [0 to 200 / 5 / 1deg/step] \\
\hline 029 & Temp.:Upper Delta:Center & *ENG & [0 to 200 / 30 / 1deg/step] \\
\hline 030 & Temp.:Upper Delta:End & *ENG & [0 to 200 / 30 / 1deg/step] \\
\hline 031 & Temp.:Lower Delta:Press & *ENG & [0 to \(200 / 22 / 1 d e g / s t e p]\) \\
\hline 032 & Temp.:Lower Delta:Press & *ENG & [0 to 200 / 41 / 1deg/step] \\
\hline 033 & Rotation Time & *ENG & [0 to \(100 / 0.80\) / 1sec/step] \\
\hline 034 & Temp.:Lower Delta:Center & *ENG & [0 to 200 / 5 / 1deg/step] \\
\hline 035 & Temp.:Lower Delta:End & *ENG & [0 to 200 / 5 / 1deg/step] \\
\hline 036 & Temp.:Upper Delta:Center & *ENG & [0 to 200 / 15 / 1deg/step] \\
\hline 037 & Temp.:Upper Delta:End & *ENG & [0 to 200/15 / 1deg/step] \\
\hline 038 & Temp.:Lower Delta:Press & *ENG & [0 to 200 / 100 / 1deg/step] \\
\hline 039 & Temp.:Lower Delta:Press & *ENG & [0 to 200 / 100 / 1deg/step] \\
\hline 040 & Rotation Time & *ENG & [0 to \(100 / 0.80 / 1 \mathrm{sec} /\) step] \\
\hline 041 & Judgment Power A & *ENG & [0 to 2000 / D176: 1404(NA, TW), 1514(EU, AS, CHN, KOR), D177: 1404(NA, TW), 1514(EU, AS, CHN, KOR) / 1W/step] \\
\hline 042 & \begin{tabular}{l}
Temp.:Lower \\
Delta:Center:Power A
\end{tabular} & *ENG & [0 to \(200 / 40\) / 1deg/step] \\
\hline 043 & Temp.:Lower Delta::Power A & *ENG & [0 to \(200 / 40\) / 1deg/step] \\
\hline 044 & \begin{tabular}{l}
Temp.:Upper \\
Delta:Center:Power A
\end{tabular} & *ENG & [0 to \(200 / 30 / 1 \mathrm{deg} /\) step] \\
\hline 045 & \begin{tabular}{l}
Temp.:Upper \\
Delta:End:Power A
\end{tabular} & *ENG & [0 to 200 / \(30 / 1 \mathrm{deg} /\) step] \\
\hline 046 & \begin{tabular}{l}
Temp.:Lower \\
Delta:Press:Power A
\end{tabular} & *ENG & [0 to \(200 / 90\) / 1deg/step] \\
\hline 047 & Rotation Time:Power A & *ENG & [0 to \(100 / 0.80 / 1 \mathrm{sec} /\) step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 051 & Judgment Power B & *ENG & [0 to 2000 / D176: 1379(NA, TW), 1489(EU, AS, CHN, KOR), D177: 1379(NA, TW), 1489(EU, AS, CHN, KOR) / 1W/step] \\
\hline 052 & \begin{tabular}{l}
Temp.:Lower \\
Delta:Center:Power B
\end{tabular} & *ENG & [0 to 200 / 40 / 1deg/step] \\
\hline 053 & \begin{tabular}{l}
Temp.:Lower \\
Delta:End:Power B
\end{tabular} & *ENG & [0 to 200 / 40 / 1deg/step] \\
\hline 054 & \begin{tabular}{l}
Temp.:Upper \\
Delta:Center:Power B
\end{tabular} & *ENG & [0 to 200 / 30 / 1deg/step] \\
\hline 055 & \begin{tabular}{l}
Temp.:Upper \\
Delta:End:Power B
\end{tabular} & *ENG & [0 to 200 / 30 / 1deg/step] \\
\hline 056 & \begin{tabular}{l}
Temp.:Lower \\
Delta:Press:Power B
\end{tabular} & *ENG & [0 to 200 / 70 / 1deg/step] \\
\hline 057 & Rotation Time:Power B & *ENG & [0 to 100/0.80 / 1sec/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 1105 & \multicolumn{3}{|l|}{[Print Target Temp.]} \\
\hline \multirow[t]{2}{*}{} & Plain1:FC:Center & *ENG & [100 to 180 / 118 / 1deg/step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Paper through target temperature: Standard paper 1: FC: center \\
Fusing malfunction might improve by setting value larger. \\
Paper curl might improve by setting value smaller. \\
Adjusting range is \(+/-5\) deg. celsius.
\end{tabular}} \\
\hline 002 & Plain1:FC:Press & *ENG & \begin{tabular}{l}
[0 to 200 / 118 / 1deg/step] \\
DFU
\end{tabular} \\
\hline & Plain1:BW:Center & *ENG & [100 to 180 / 115 / 1deg/step] \\
\hline 003 & \begin{tabular}{l}
Paper through targ \\
Fusing malfunctio \\
Paper curl might in \\
Adjusting range is
\end{tabular} & \begin{tabular}{l}
Stand \\
by se \\
ing valu \\
us.
\end{tabular} & d paper 1: BW: center g value larger. smaller. \\
\hline 004 & Plain1:BW:Press & *ENG & [0 to 200 / 118 / 1deg/step] \\
\hline 005 & Plain2:FC:Center & *ENG & [100 to 180 / 123 / 1deg/step] \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline & \multicolumn{2}{|l|}{\begin{tabular}{l} 
Paper through target temperature: Standard paper 2: FC: center \\
Fusing malfunction might improve by setting value larger. \\
Paper curl might improve by setting value smaller. \\
Adjusting range is +/- 5 deg. celsius.
\end{tabular}} \\
\hline 006 & \begin{tabular}{l} 
Plain2:FC:Press
\end{tabular} & [0 to 200 / 118 / 1deg/step] \\
DFU
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 014 & M-thick:FC:Press & *ENG & \begin{tabular}{l}
[0 to 200 / 118 / 1deg/step] \\
DFU
\end{tabular} \\
\hline \multirow[b]{2}{*}{015} & M-thick:BW:Center & *ENG & [100 to 180 / 135 / 1deg/step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Paper through target temperature: middle thick paper: BW: center \\
Fusing malfunction might improve by setting value larger. \\
Paper curl might improve by setting value smaller. \\
Adjusting range is \(+/-5\) deg. celsius.
\end{tabular}} \\
\hline 016 & M-thick:BW:Press & *ENG & \begin{tabular}{l}
[0 to 200 / 118 / 1deg/step] \\
DFU
\end{tabular} \\
\hline \multirow[b]{2}{*}{017} & Thick1:FC:Center & *ENG & [100 to 180 / 125 / 1deg/step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Paper through target temperature: thick paper 1: FC: center \\
Fusing malfunction might improve by setting value larger. \\
Paper curl might improve by setting value smaller. \\
Adjusting range is \(+/-5\) deg. celsius.
\end{tabular}} \\
\hline 018 & Thick1:FC:Press & *ENG & \begin{tabular}{l}
[0 to 200 / 118 / 1deg/step] \\
DFU
\end{tabular} \\
\hline \multirow[b]{2}{*}{019} & Thick1:BW:Center & *ENG & [100 to 180 / 125 / 1deg/step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Paper through target temperature: thick paper 1: BW: center \\
Fusing malfunction might improve by setting value larger. \\
Paper curl might improve by setting value smaller. \\
Adjusting range is \(+/-5\) deg. celsius.
\end{tabular}} \\
\hline 020 & Thick1:BW:Press & *ENG & \begin{tabular}{l}
[0 to 200 / 118 / 1deg/step] \\
DFU
\end{tabular} \\
\hline \multirow[b]{2}{*}{021} & Thick2:FC:Center & *ENG & [100 to 180 / 130 / 1deg/step] \\
\hline & \multicolumn{3}{|l|}{Paper through target temperature: thick paper 2: FC: center Fusing malfunction might improve by setting value larger. Paper curl might improve by setting value smaller. Adjusting range is \(+/-5\) deg. celsius.} \\
\hline 022 & Thick2:FC:Press & *ENG & \begin{tabular}{l}
[0 to 200 / 118 / 1deg/step] \\
DFU
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{023} & Thick2:BW:Center & *ENG & [100 to 180 / \(130 / 1 \mathrm{deg} / \mathrm{step}\) ] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Paper through target temperature: thick paper 2: BW: center \\
Fusing malfunction might improve by setting value larger. \\
Paper curl might improve by setting value smaller. \\
Adjusting range is \(+/-5\) deg. celsius.
\end{tabular}} \\
\hline 024 & Thick2:BW:Press & *ENG & [0 to 200 / 118 / 1deg/step] DFU \\
\hline \multirow[b]{2}{*}{025} & Thick3:FC:Center & *ENG & [100 to 180 / 135 / 1deg/step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Paper through target temperature: thick paper 3: FC: center \\
Fusing malfunction might improve by setting value larger. \\
Paper curl might improve by setting value smaller. \\
Adjusting range is \(+/-5\) deg. celsius.
\end{tabular}} \\
\hline 026 & Thick3:FC:Press & *ENG & [0 to 200 / 118 / 1deg/step] DFU \\
\hline \multirow[b]{2}{*}{027} & Thick3:BW:Center & *ENG & [100 to 180 / 135 / 1deg/step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Paper through target temperature: thick paper 3: BW: center \\
Fusing malfunction might improve by setting value larger. \\
Paper curl might improve by setting value smaller. \\
Adjusting range is \(+/-5\) deg. celsius.
\end{tabular}} \\
\hline 028 & Thick3:BW:Press & *ENG & [0 to 200 / 118 / 1deg/step] DFU \\
\hline \multirow[b]{2}{*}{029} & Special1:FC:Center & *ENG & [100 to 180 / 129 / 1deg/step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Paper through target temperature: special paper 1: FC: center \\
Fusing malfunction might improve by setting value larger. \\
Paper curl might improve by setting value smaller. \\
Adjusting range is \(+/-5\) deg. celsius.
\end{tabular}} \\
\hline 030 & Special1:FC:Press & *ENG & [0 to 200 / 118 / 1deg/step] DFU \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{031} & Special1:BW:Center & *ENG & [100 to 180 / 129 / 1deg/step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Paper through target temperature: special paper 1: BW: center \\
Fusing malfunction might improve by setting value larger. \\
Paper curl might improve by setting value smaller. \\
Adjusting range is +/- 5 deg. celsius.
\end{tabular}} \\
\hline 032 & Special1:BW:Press & *ENG & \begin{tabular}{l}
[0 to 200 / 118 / 1deg/step] \\
DFU
\end{tabular} \\
\hline \multirow[b]{2}{*}{033} & Special2:FC:Center & *ENG & [100 to 180 / 139 / 1deg/step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Paper through target temperature: special paper 2: FC: center \\
Fusing malfunction might improve by setting value larger. \\
Paper curl might improve by setting value smaller. \\
Adjusting range is \(+/-5\) deg. celsius.
\end{tabular}} \\
\hline 034 & Special2:FC:Press & *ENG & \begin{tabular}{l}
[0 to 200 / 118 / 1deg/step] \\
DFU
\end{tabular} \\
\hline \multirow[b]{2}{*}{035} & Special2:BW:Center & *ENG & [100 to 180 / 139 / 1deg/step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Paper through target temperature: special paper 2: BW: center Fusing malfunction might improve by setting value larger. \\
Paper curl might improve by setting value smaller. \\
Adjusting range is \(+/-5\) deg. celsius.
\end{tabular}} \\
\hline 036 & Special2:BW:Press & *ENG & \begin{tabular}{l}
[0 to 200 / 118 / 1deg/step] \\
DFU
\end{tabular} \\
\hline \multirow[b]{2}{*}{037} & Special3:FC:Center & *ENG & [100 to 180 / 139 / 1deg/step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Paper through target temperature: special paper 3: FC: center \\
Fusing malfunction might improve by setting value larger. \\
Paper curl might improve by setting value smaller. \\
Adjusting range is \(+/-5\) deg. celsius.
\end{tabular}} \\
\hline 038 & Special3:FC:Press & *ENG & \begin{tabular}{l}
[0 to 200 / 118 / 1deg/step] \\
DFU
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{039} & Special3:BW:Center & *ENG & [100 to 180 / 139 / 1deg/step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Paper through target temperature: special paper 3: BW: center Fusing malfunction might improve by setting value larger. Paper curl might improve by setting value smaller. \\
Adjusting range is \(+/-5\) deg. celsius.
\end{tabular}} \\
\hline 040 & Special3:BW:Press & *ENG & [0 to 200 / 118 / 1deg/step] DFU \\
\hline \multirow[b]{2}{*}{041} & Envelop:Center & *ENG & [100 to 180 / 142 / 1deg/step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Paper through target temperature: envelope: FC: center Fusing malfunction might improve by setting value larger. Paper curl might improve by setting value smaller. \\
Adjusting range is +/- 5 deg. celsius.
\end{tabular}} \\
\hline 042 & Envelop:Press & *ENG & [0 to 200 / 118 / 1deg/step] DFU \\
\hline \multirow[b]{2}{*}{051} & Special1:FC:Center:Middle Speed & *ENG & [100 to 180 / 122 / 1deg/step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Paper through target temperature: special paper 1: FC: center Fusing malfunction might improve by setting value larger. \\
Paper curl might improve by setting value smaller. \\
Adjusting range is \(+/-5\) deg. celsius.
\end{tabular}} \\
\hline 052 & Special1:FC:Press:Middle Speed & *ENG & [0 to 200 / 118 / 1deg/step] DFU \\
\hline \multirow[b]{2}{*}{053} & Special1:BW:Center:Middle Speed & *ENG & [100 to 180 / 122 / 1deg/step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Paper through target temperature: special paper 1: BW: center Fusing malfunction might improve by setting value larger. \\
Paper curl might improve by setting value smaller. \\
Adjusting range is +/- 5 deg. celsius.
\end{tabular}} \\
\hline 054 & Special1:BW:Press:Middle Speed & *ENG & [0 to 200 / 118 / 1deg/step] DFU \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{055} & \begin{tabular}{l}
Special2:FC:Center:Middle \\
Speed
\end{tabular} & *ENG & [100 to 180 / 127 / 1deg/step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Paper through target temperature: special paper 2: FC: center Fusing malfunction might improve by setting value larger. \\
Paper curl might improve by setting value smaller. \\
Adjusting range is +/- 5 deg. celsius.
\end{tabular}} \\
\hline 056 & \begin{tabular}{l}
Special2:FC:Press:Middle \\
Speed
\end{tabular} & *ENG & \begin{tabular}{l}
[0 to 200 / 118 / 1deg/step] \\
DFU
\end{tabular} \\
\hline \multirow[b]{2}{*}{057} & Special2:BW:Center:Middle Speed & *ENG & [100 to 180 / 127 / 1deg/step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Paper through target temperature: special paper 2: BW: center Fusing malfunction might improve by setting value larger. \\
Paper curl might improve by setting value smaller. \\
Adjusting range is \(+/-5\) deg. celsius.
\end{tabular}} \\
\hline 058 & \begin{tabular}{l}
Special2:BW:Press:Middle \\
Speed
\end{tabular} & *ENG & \begin{tabular}{l}
[0 to 200 / 118 / 1deg/step] \\
DFU
\end{tabular} \\
\hline \multirow[b]{2}{*}{059} & Special3:FC:Center:Middle Speed & *ENG & [100 to 180 / 132 / 1deg/step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Paper through target temperature: special paper 3: FC: center \\
Fusing malfunction might improve by setting value larger. \\
Paper curl might improve by setting value smaller. \\
Adjusting range is +/- 5 deg. celsius.
\end{tabular}} \\
\hline 060 & \begin{tabular}{l}
Special3:FC:Press:Middle \\
Speed
\end{tabular} & *ENG & \begin{tabular}{l}
[0 to 200 / 118 / 1deg/step] \\
DFU
\end{tabular} \\
\hline \multirow[b]{2}{*}{061} & \begin{tabular}{l}
Special3:BW:Center:Middle \\
Speed
\end{tabular} & *ENG & [100 to 180 / 132 / 1deg/step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Paper through target temperature: special paper 3: BW: center Fusing malfunction might improve by setting value larger. \\
Paper curl might improve by setting value smaller. \\
Adjusting range is \(+/-5\) deg. celsius.
\end{tabular}} \\
\hline 062 & Special3:BW:Press:Middle Speed & *ENG & \begin{tabular}{l}
[0 to 200 / 118 / 1deg/step] \\
DFU
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{101} & Plain1:FC:Center:Low Speed & *ENG & [100 to 180 / 115 / 1deg/step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Paper through target temperature: Standard 1: FC: center: low speed Fusing malfunction might improve by setting value larger. \\
Paper curl might improve by setting value smaller. \\
Adjusting range is \(+/-5\) deg. celsius.
\end{tabular}} \\
\hline 102 & Plain1:FC:Press:Low Speed & *ENG & [0 to 200 / 118 / 1deg/step] DFU \\
\hline \multirow[b]{2}{*}{103} & Plain1:BW:Center:Low Speed & *ENG & [100 to 180 / 115 / 1deg/step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Paper through target temperature: Standard 1: BW: center: low speed Fusing malfunction might improve by setting value larger. \\
Paper curl might improve by setting value smaller. \\
Adjusting range is \(+/-5\) deg. celsius.
\end{tabular}} \\
\hline 104 & Plain1:BW:Press:Low Speed & *ENG & [0 to 200 / 118 / 1deg/step] DFU \\
\hline \multirow[b]{2}{*}{105} & Plain2:FC:Center:Low Speed & *ENG & [100 to 180 / 120 / 1deg/step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Paper through target temperature: Standard 2: FC: center: low speed \\
Fusing malfunction might improve by setting value larger. \\
Paper curl might improve by setting value smaller. \\
Adjusting range is +/- 5 deg. celsius.
\end{tabular}} \\
\hline 106 & Plain2:FC:Press:Low Speed & *ENG & [0 to 200 / 118 / 1deg/step] DFU \\
\hline \multirow[b]{2}{*}{107} & Plain2:BW:Center:Low Speed & *ENG & [100 to 180 / 120 / 1deg/step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Paper through target temperature: Standard 2: BW: center: low speed Fusing malfunction might improve by setting value larger. \\
Paper curl might improve by setting value smaller. \\
Adjusting range is +/- 5 deg. celsius.
\end{tabular}} \\
\hline 108 & Plain2:BW:Press:Low Speed & *ENG & [0 to 200 / 118 / 1deg/step] DFU \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{109} & M-thick:FC:Center:Low Speed & *ENG & [100 to 180 / 135 / 1deg/step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Paper through target temperature: middle thick paper: FC: center: low speed \\
Fusing malfunction might improve by setting value larger. \\
Paper curl might improve by setting value smaller. \\
Adjusting range is \(+/-5\) deg. celsius.
\end{tabular}} \\
\hline 110 & M-thick:FC:Press:Low Speed & *ENG & [0 to 200 / 118 / 1deg/step] DFU \\
\hline \multirow[b]{2}{*}{111} & \begin{tabular}{l}
M-thick:BW:Center:Low \\
Speed
\end{tabular} & *ENG & [100 to 180 / 135 / 1deg/step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Paper through target temperature: middle thick paper: BW: center: low speed Fusing malfunction might improve by setting value larger. \\
Paper curl might improve by setting value smaller. \\
Adjusting range is \(+/-5\) deg. celsius.
\end{tabular}} \\
\hline 112 & M-thick:BW:Press:Low Speed & *ENG & [0 to 200 / 118 / 1deg/step] DFU \\
\hline \multirow[t]{2}{*}{} & Thick1:FC:Center:Low Speed & *ENG & [100 to 180 / 128 / 1deg/step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Paper through target temperature: Thick paper 1: FC: center: low speed \\
Fusing malfunction might improve by setting value larger. \\
Paper curl might improve by setting value smaller. \\
Adjusting range is \(+/-5\) deg. celsius.
\end{tabular}} \\
\hline 114 & Thick1:FC:Press:Low Speed & *ENG & [0 to 200 / 118 / 1deg/step] DFU \\
\hline \multirow[b]{2}{*}{115} & Thick1:BW:Center:Low Speed & *ENG & [100 to 180 / 127 / 1deg/step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Paper through target temperature: Thick paper 1: BW: center: low speed \\
Fusing malfunction might improve by setting value larger. \\
Paper curl might improve by setting value smaller. \\
Adjusting range is \(+/-5\) deg. celsius.
\end{tabular}} \\
\hline 116 & Thick1:BW:Press:Low Speed & *ENG & [0 to 200 / 118 / 1deg/step] DFU \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{117} & Special1:FC:Center:Low Spee & *ENG & [100 to 180 / 137 / 1deg/step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Paper through target temperature: Thick paper 1: BW: center: low speed \\
Fusing malfunction might improve by setting value larger. \\
Paper curl might improve by setting value smaller. \\
Adjusting range is \(+/-5\) deg. celsius.
\end{tabular}} \\
\hline 118 & Special1:FC:Press:Low Speed & *ENG & [0 to 200 / 118 / 1deg/step] DFU \\
\hline \multirow[b]{2}{*}{119} & Special1:BW:Center:Low Speed & *ENG & [100 to 180 / 137 / 1deg/step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Paper through target temperature: special paper 1: BW: center: low speed \\
Fusing malfunction might improve by setting value larger. \\
Paper curl might improve by setting value smaller. \\
Adjusting range is \(+/-5\) deg. celsius.
\end{tabular}} \\
\hline 120 & \begin{tabular}{l}
Special1:BW:Press:Low \\
Speed
\end{tabular} & *ENG & [0 to 200 / 118 / 1deg/step] DFU \\
\hline \multirow[b]{2}{*}{121} & \begin{tabular}{l}
Special2:FC:Center:Low \\
Speed
\end{tabular} & *ENG & [100 to 180 / 142 / 1deg/step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Paper through target temperature: special paper 2: FC: center: low speed \\
Fusing malfunction might improve by setting value larger. \\
Paper curl might improve by setting value smaller. \\
Adjusting range is \(+/-5\) deg. celsius.
\end{tabular}} \\
\hline 122 & \begin{tabular}{l}
Special2:FC:Press:Low \\
Speed
\end{tabular} & *ENG & [0 to 200 / 118 / 1deg/step] DFU \\
\hline \multirow[b]{2}{*}{123} & Special2:BW:Center:Low Speed & *ENG & [100 to 180 / 142 / 1deg/step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Paper through target temperature: special paper 2: BW: center: low speed \\
Fusing malfunction might improve by setting value larger. \\
Paper curl might improve by setting value smaller. \\
Adjusting range is +/- 5 deg. celsius.
\end{tabular}} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 124 & \begin{tabular}{l}
Special2:BW:Press:Low \\
Speed
\end{tabular} & *ENG & [0 to 200 / 118 / 1deg/step] DFU \\
\hline \multirow[b]{2}{*}{125} & Plain1:Glossy:Center & *ENG & [100 to 180 / 132 / 1deg/step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Paper through target temperature: Standard paper 1: coat: center Fusing malfunction might improve by setting value larger. \\
Paper curl might improve by setting value smaller. \\
Adjusting range is \(+/-5\) deg. celsius.
\end{tabular}} \\
\hline 126 & Plain1:Glossy:Press & *ENG & [0 to 200 / 118 / 1deg/step] DFU \\
\hline \multirow[b]{2}{*}{127} & Plain2:Glossy:Center & *ENG & [100 to 180 / 137 / 1deg/step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Paper through target temperature: Standard paper 2: coat: center \\
Fusing malfunction might improve by setting value larger. \\
Paper curl might improve by setting value smaller. \\
Adjusting range is \(+/-5\) deg. celsius.
\end{tabular}} \\
\hline 128 & Plain2:Glossy:Press & *ENG & [0 to 200 / 118 / 1deg/step] DFU \\
\hline \multirow[b]{2}{*}{129} & M-thick:Glossy:Center & *ENG & [100 to 180 / 142 / 1deg/step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Paper through target temperature: Standard paper 2: coat: center \\
Fusing malfunction might improve by setting value larger. \\
Paper curl might improve by setting value smaller. \\
Adjusting range is \(+/-5\) deg. celsius.
\end{tabular}} \\
\hline 130 & M-thick:Glossy:Press & *ENG & [0 to 200 / 118 / 1deg/step] DFU \\
\hline \multirow[b]{2}{*}{131} & OHP:Center & *ENG & [100 to 180 / 160 / 1deg/step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Paper through target temperature OHP: center \\
Fusing malfunction might improve by setting value larger. \\
Paper curl might improve by setting value smaller. \\
Adjusting range is \(+/-5\) deg. celsius.
\end{tabular}} \\
\hline 132 & OHP:Press & *ENG & [0 to 200 / 118 / 1deg/step] DFU \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{133} & Envelop:Center:Low Speed & *ENG & [100 to 180 / 133 / 1deg/step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Paper through target temperature: envelope: center: low speed \\
Fusing malfunction might improve by setting value larger. \\
Paper curl might improve by setting value smaller. \\
Adjusting range is \(+/-5\) deg. celsius.
\end{tabular}} \\
\hline 134 & Envelop:Press:Low Speed & *ENG & [0 to 200 / 118 / 1deg/step] DFU \\
\hline \multirow[b]{2}{*}{135} & Thin:FC:Center:Low Speed & *ENG & [100 to 180 / 110 / 1deg/step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Paper through target temperature: thin paper: FC: center: low speed \\
Fusing malfunction might improve by setting value larger. \\
Paper curl might improve by setting value smaller. \\
Adjusting range is \(+/-5\) deg. celsius.
\end{tabular}} \\
\hline 136 & Thin:FC:Press:Low Speed & *ENG & [0 to 200 / 118 / 1deg/step] DFU \\
\hline \multirow[b]{2}{*}{137} & Thin:BW:Center:Low Speed & *ENG & [100 to 180 / 110 / 1deg/step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Paper through target temperature: thin paper: BW: center: low speed Fusing malfunction might improve by setting value larger. \\
Paper curl might improve by setting value smaller. \\
Adjusting range is \(+/-5\) deg. celsius.
\end{tabular}} \\
\hline 138 & Thin:BW:Press:Low Speed & *ENG & [0 to 200 / 118 / 1deg/step] DFU \\
\hline \multirow[b]{2}{*}{139} & Thick4:FC:Center & *ENG & [100 to 180 / 140 / 1deg/step] \\
\hline & \multicolumn{3}{|l|}{Paper through target temperature: thick paper 4: FC: center Fusing malfunction might improve by setting value larger. Paper curl might improve by setting value smaller. Adjusting range is \(+/-5\) deg. celsius.} \\
\hline 140 & Thick4:FC:Press & *ENG & [0 to 200 / 118 / 1deg/step] DFU \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{141} & Thick4:BW:Center & *ENG & [100 to 180 / 140 / 1deg/step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Paper through target temperature: thick paper 4: BW: center \\
Fusing malfunction might improve by setting value larger. \\
Paper curl might improve by setting value smaller. \\
Adjusting range is \(+/-5\) deg. celsius.
\end{tabular}} \\
\hline 142 & Thick4:BW:Press & *ENG & \begin{tabular}{l}
[0 to 200 / 118 / 1deg/step] \\
DFU
\end{tabular} \\
\hline \multirow[b]{2}{*}{143} & Postcard:Center & *ENG & [100 to 180 / 118 / 1deg/step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Paper through target temperature post card: center \\
Fusing malfunction might improve by setting value larger. \\
Paper curl might improve by setting value smaller. \\
Adjusting range is \(+/-5\) deg. celsius.
\end{tabular}} \\
\hline 144 & Postcard:Press & *ENG & \begin{tabular}{l}
[0 to 200 / 118 / 1deg/step] \\
DFU
\end{tabular} \\
\hline \multirow[b]{2}{*}{145} & Special3:FC:Center:Middle Speed & *ENG & [100 to 180 / 147 / 1deg/step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Paper through target temperature: Thick paper 1: BW: center: low speed \\
Fusing malfunction might improve by setting value larger. \\
Paper curl might improve by setting value smaller. \\
Adjusting range is +/- 5 deg. celsius.
\end{tabular}} \\
\hline 146 & Special3:FC:Press:Middle Speed & *ENG & \begin{tabular}{l}
[0 to 200 / 118 / 1deg/step] \\
DFU
\end{tabular} \\
\hline \multirow[b]{2}{*}{147} & Special3:BW:Center:Middle Speed & *ENG & [100 to 180 / 147 / 1deg/step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Paper through target temperature: special paper 1: BW: center: low speed \\
Fusing malfunction might improve by setting value larger. \\
Paper curl might improve by setting value smaller. \\
Adjusting range is \(+/-5\) deg. celsius.
\end{tabular}} \\
\hline 148 & Special3:BW:Press:Middle Speed & *ENG & \begin{tabular}{l}
[0 to 200 / 118 / 1deg/step] \\
DFU
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 1106 & \multicolumn{3}{|l|}{[Fusing Temp. Display]} \\
\hline 001 & Heat Center & ENG & [-10 to 250 / 0 / 1deg/step] Displays the temperature of the heating roller detected by the thermistor at the center of the heating roller. \\
\hline 002 & Heat End & ENG & [-10 to 250 / 0 / 1deg/step] Displays the temperature of the heating roller detected by the thermistors at the ends of the heating roller. \\
\hline 003 & Press Center & ENG & \begin{tabular}{l}
[-10 to 250 / 0 / 1deg/step] \\
Displays the temperature of the hot roller detected by the thermistors at the center of the pressure roller.
\end{tabular} \\
\hline 004 & Press End & ENG & \begin{tabular}{l}
[-10 to 250 / 0 / 1deg/step] \\
Displays the temperature of the hot roller detected by the thermistors at the ends of the pressure roller.
\end{tabular} \\
\hline 005 & Press End & ENG & \begin{tabular}{l}
[-10 to 250 / 0 / 1deg/step] \\
Display fusing temperature: \\
Displays detect temperature of pressuring extension edge sensor.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|c|l|}
\hline 1107 & \multicolumn{3}{|l|}{ [Standby Target Temp. Setting] DFU } \\
\hline 001 & Stanby/Preheat1:Center & *ENG & {\([0\) to \(200 / 90 / 1\) deg/step \(]\)} \\
\hline 003 & Preheat2:Center & *ENG & {\([0\) to \(200 / 90 / 1 \mathrm{deg} /\) step \(]\)} \\
\hline 005 & Low Power:Center & *ENG & {\([0\) to \(200 / 60 / 1 \mathrm{deg} /\) step \(]\)} \\
\hline 007 & Print Ready:Center & *ENG & {\([100\) to \(180 / 128 / 1 \mathrm{deg} /\) step \(]\)} \\
\hline 008 & Print Ready:Press & *ENG & {\([0\) to \(200 / 120 / 1 \mathrm{deg} /\) step \(]\)} \\
\hline 011 & Standby Heater Off Time & *ENG & {\([0\) to \(100 / \mathbf{0} / 1\) sec/step \(]\)} \\
\hline
\end{tabular}
\begin{tabular}{|c|l|c|l|}
\hline \multicolumn{1}{|l|}{\(\mathbf{1 1 0 8}\)} & [After Reload/Job Target Temp.] DFU \\
\hline 001 & Center & *ENG & {\([0\) to \(200 / \mathbf{1 1 3} / 1\) deg/step \(]\)} \\
\hline 002 & Press & *ENG & {\([0\) to \(200 / \mathbf{1 2 0} / 1\) deg/step \(]\)} \\
\hline 011 & Center:Energy Saving & *ENG & {\([0\) to \(200 / \mathbf{1 1 3} / 1\) deg/step \(]\)} \\
\hline 012 & Press:Energy Saving & *ENG & {\([0\) to \(200 / \mathbf{1 2 0} / 1\) deg/step \(]\)} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 1111 & \multicolumn{3}{|l|}{[Environment Correction:Fusing] DFU} \\
\hline 001 & Temp.: Threshold: Low & *ENG & [0 to 100 / 17 / 1deg/step] \\
\hline 002 & Temp.: Threshold: High & *ENG & [0 to \(100 / 30 / 1 \mathrm{deg} /\) step] \\
\hline 003 & Low Temp. Correction & *ENG & [0 to 15 / 5 / 1deg/step] \\
\hline 004 & High Temp. Correction & *ENG & [0 to 15 / 0 / 1deg/step] \\
\hline 005 & Job Low Temp. Correction & *ENG & [0.0 to 100.0 / 50.0 / 0.1deg/step] \\
\hline 006 & Job High Temp. Correction & *ENG & [0.0 to 100.0 / 0.0 / 0.1deg/step] \\
\hline 007 & Job Low Temp. Correction:Sp. & *ENG & [0.0 to 100.0 / 50.0 / 0.1deg/step] \\
\hline 008 & \begin{tabular}{l}
Job High Temp. \\
Correction:Sp.
\end{tabular} & *ENG & [0.0 to 100.0 / 0.0 / 0.1deg/step] \\
\hline 011 & Standard Environment Temp. & *ENG & [10 to \(30 / 23 / 1 \mathrm{deg} / \mathrm{step}\) ] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 1112 & \multicolumn{3}{|l|}{[Image Processing Temp. Correct]} \\
\hline 001 & Temp.:Plain:Center:Level1/2 & *ENG & \begin{tabular}{l}
[-20 to 20 / 0 / 1deg/step] \\
DFU
\end{tabular} \\
\hline & \begin{tabular}{l}
Temp.:Plain:Center:Energy \\
Saving
\end{tabular} & *ENG & [-30 to 20 / -7 / 1deg/step] \\
\hline 002 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Image process temperature correction: standard paper: Level 2 \\
Fusing malfunction to standard paper, Bk monochrome images might improve by setting value larger. \\
Adjustable range is between \(+/-0\) deg. Celsius to initial value.
\end{tabular}} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 1113 & [Curl Correction] & & \\
\hline \multirow[t]{2}{*}{001} & Execute Pattern & *ENG & \begin{tabular}{l}
[ 0 to \(2 / 0 / 1 /\) step] \\
0: OFF \\
1: ON(No Decurl) \\
2: ON
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Enable/disable curl correction.} \\
\hline 002 & Humidity:Threshold:M-humid & *ENG & \begin{tabular}{l}
[0 to 100 / 1 / 1\%/step] \\
DFU
\end{tabular} \\
\hline 003 & Humidity:Threshold:H-humid & *ENG & \begin{tabular}{l}
[0 to 100 / 65 / 1\%/step] \\
DFU
\end{tabular} \\
\hline 004 & \begin{tabular}{l}
Permit \\
Temp.:Delta:Press:M-humid
\end{tabular} & *ENG & \begin{tabular}{l}
[0 to 200 / 60 / 1deg/step] \\
DFU
\end{tabular} \\
\hline 005 & \begin{tabular}{l}
Permit \\
Temp.:Delta:Press:H-humid
\end{tabular} & *ENG & \begin{tabular}{l}
[0 to 200/50 / 1deg/step] \\
DFU
\end{tabular} \\
\hline 006 & \begin{tabular}{l}
Permit \\
Temp.:Delta:Press:M-humid:No \\
Decurl
\end{tabular} & *ENG & [0 to 200 / 50 / 1deg/step] DFU \\
\hline 007 & \begin{tabular}{l}
Permit \\
Temp.:Delta:Press:H-humid:No \\
Decurl
\end{tabular} & *ENG & [0 to 200 / 40 / 1deg/step] DFU \\
\hline 008 & CPM:M-humid & *ENG & [0 to 100 / 80 / 1\%/step] DFU \\
\hline 009 & CPM:H-humid & *ENG & \begin{tabular}{l}
[0 to 100 / 65 / 1\%/step] \\
DFU
\end{tabular} \\
\hline 010 & CPM:M-humid:No Decurl & *ENG & [0 to 100 / 80 / 1\%/step] DFU \\
\hline 011 & CPM:H-humid:No Decurl & *ENG & [0 to 100 / 65 / 1\%/step] DFU \\
\hline
\end{tabular}
\begin{tabular}{|r|l|c|l|}
\hline 1114 & \multicolumn{3}{|l|}{} \\
\hline 001 & Temp.:Threshold:Press & *ENG & {\([0\) to \(200 / 80 / 1\) deg/step \(]\)} \\
\hline 002 & Temp.:Threshold:Atmosphere & *ENG & {\([0\) to \(200 / 60 / 1\) deg/step \(]\)} \\
\hline 003 & - & *ENG & {\([0\) to \(200 / 60 / 1 \mathrm{deg} /\) step \(]\)} \\
\hline 004 & \begin{tabular}{l} 
Temp.:Threshold:Voltage \\
Detection
\end{tabular} & *ENG & {\([0\) to \(200 / \mathbf{4 0} / 1\) deg/step \(]\)} \\
\hline
\end{tabular}
\begin{tabular}{|c|l|l|l|}
\hline 1115 & \multicolumn{3}{|l|}{ [Target Temp. Correction] DFU } \\
\hline 001 & Temp.: Delta:End & *ENG & [-100 to 100 / 0 / 1deg/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 1116 & \multicolumn{3}{|l|}{[Heat Storage FB Control]} \\
\hline 001 & Execution mode & *ENG & \begin{tabular}{l}
[0 to \(2 / 1 / 1 /\) step] \\
0: OFF \\
1: ON(BW) \\
2: ON(BW/FC) \\
DFU
\end{tabular} \\
\hline 002 & - & *ENG & [0 to 200 / D176: 97, D177: 102 / 1/step] \\
\hline 003 & - & *ENG & [0 to 200 / 1 / 1/step] \\
\hline 011 & Time Out & *ENG & [ 0 to \(500 / 10 / 1\) sec/step] DFU \\
\hline 021 & Delay:Standard Speed:FC:1 & *ENG & [0 to 20000 / \(\mathbf{3 5 9 0} / \mathbf{1 m s e c} /\) step] DFU \\
\hline 022 & Delay:Standard Speed:BW:1 & *ENG & [0 to 20000 / \(1320 / 1 \mathrm{msec} / \mathrm{step}\) ] DFU \\
\hline 023 & Delay:Middle Speed:FC:1 & *ENG & [0 to 20000 / 3590 / 1msec/step] \\
\hline 024 & Delay:Middle Speed:BW:1 & *ENG & [0 to 20000 / 1320 / 1msec/step] \\
\hline 025 & Delay:Low Speed:FC:1 & *ENG & [0 to 20000 / 7180 / 1msec/step] \\
\hline 026 & Delay:Low Speed:BW:1 & *ENG & [0 to 20000 / 2640 / 1msec/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 031 & Delay:Standard Speed:FC:2 & *ENG & [0 to 20000 / 3590 / 1 msec/step] DFU \\
\hline 032 & Delay:Standard Speed:BW:2 & *ENG & [0 to 20000 / 1320 / 1msec/step] DFU \\
\hline 033 & Delay:Middle Speed:FC:2 & *ENG & [0 to 20000 / 3590 / 1msec/step] \\
\hline 034 & Delay:Middle Speed:BW:2 & *ENG & [0 to 20000 / 1320 / 1msec/step] \\
\hline 035 & Delay:Low Speed:FC:2 & *ENG & [0 to 20000 / 7180 / 1msec/step] \\
\hline 036 & Delay:Low Speed:BW:2 & *ENG & [0 to 20000 / 2640 / 1msec/step] \\
\hline 041 & Press Reference Temp. & *ENG & [0 to 200 / 75 / 1deg/step] DFU \\
\hline 042 & Temp. Correction Lower Limit & *ENG & \begin{tabular}{l}
[-30 to \(0 /-1 / 1\) deg/step] \\
DFU
\end{tabular} \\
\hline 043 & Temp. Correction Upper Limit & *ENG & \begin{tabular}{l}
[0 to \(30 / 0 / 1 \mathrm{deg} / \mathrm{step}\) ] \\
DFU
\end{tabular} \\
\hline 044 & \begin{tabular}{l}
Press Reference \\
Temp.:Energy Saving
\end{tabular} & *ENG & [0 to 200 / 0 / 1/step] \\
\hline 051 & Paper Thickness Coefficient:Plain1 & *ENG & [0 to \(100 / 30 / 1 /\) step] DFU \\
\hline 052 & Paper Thickness Coefficient:Plain2 & *ENG & [0 to \(100 / 30 / 1 /\) step] DFU \\
\hline 074 & - & *ENG & [-100 to \(100 / 0\) / 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 1117 & \multicolumn{3}{|l|}{[Repeat Temp. Correction] DFU} \\
\hline 001 & Control Time 1:A3 & *ENG & [0 to \(300 / 0 / 1 \mathrm{sec} / \mathrm{step}\) ] \\
\hline 002 & Control Time 2:A3 & *ENG & [0 to \(300 / 0 / 1 \mathrm{sec} / \mathrm{step}\) ] \\
\hline 003 & Temp.:Center:1:A3 & *ENG & [-30 to 30 / 0 / 1deg/step] \\
\hline 004 & Temp.:End:1:A3 & *ENG & [-30 to 30 / 0 / 1deg/step] \\
\hline 005 & Temp.:Center:2:A3 & *ENG & [-30 to 30 / 0 / 1deg/step] \\
\hline 006 & Temp.:End:2:A3 & *ENG & [-30 to 30 / 0 / 1deg/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 011 & Control Time 1:DLT & *ENG & [0 to 300 / 60 / 1sec/step] \\
\hline 012 & Control Time 2:DLT & *ENG & [0 to 300 / \(60 / 1 \mathrm{sec} /\) step] \\
\hline 013 & Temp.:Center:1:DLT & *ENG & [-30 to 30 / 0 / 1deg/step] \\
\hline 014 & Temp.:End:1:DLT & *ENG & [-30 to 30 / 0 / 1deg/step] \\
\hline 015 & Temp.:Center:2:DLT & *ENG & [-30 to 30 / 0 / 1deg/step] \\
\hline 016 & Temp.:End:2:DLT & *ENG & [-30 to 30 / 0 / 1deg/step] \\
\hline 021 & Control Time 1:B4 & *ENG & [0 to 300 / 0 / 1sec/step] \\
\hline 022 & Control Time 2:B4 & *ENG & [0 to \(300 / 10 / 1 \mathrm{sec} /\) step] \\
\hline 023 & Temp.:Center:1:B4 & *ENG & [-30 to 30 / 0 / 1deg/step] \\
\hline 024 & Temp.:End:1:B4 & *ENG & [-30 to 30 / 25 / 1deg/step] \\
\hline 025 & Temp.:Center:2:B4 & *ENG & [-30 to 30 / 0 / 1deg/step] \\
\hline 026 & Temp.:End:2:B4 & *ENG & [-30 to 30 / 25 / 1deg/step] \\
\hline 031 & Control Time 1:LT & *ENG & [0 to 300 / 0 / 1sec/step] \\
\hline 032 & Control Time 2:LT & *ENG & [0 to \(300 / 0\) / 1sec/step] \\
\hline 033 & Temp.:Center:1:LT & *ENG & [-30 to 30 / 6 / 1deg/step] \\
\hline 034 & Temp.:End:1:LT & *ENG & [-30 to 30 / 6 / 1deg/step] \\
\hline 035 & Temp.:Center:2:LT & *ENG & [-30 to 30 / 6 / 1deg/step] \\
\hline 036 & Temp.:End:2:LT & *ENG & [-30 to 30 / 21 / 1deg/step] \\
\hline 041 & Control Time 1:A3,DLT:Energy Saving & *ENG & [0 to 300 / 0 / 1sec/step] \\
\hline 042 & Control Time 2:A3,DLT:Energy Saving & *ENG & [0 to 300 / 40 / 1sec/step] \\
\hline 043 & \begin{tabular}{l}
Temp.:Center:1:A3,DLT:Energy \\
Saving
\end{tabular} & *ENG & [-30 to 30 / 0 / 1deg/step] \\
\hline 044 & \begin{tabular}{l}
Temp.:End:1:A3,DLT:Energy \\
Saving
\end{tabular} & *ENG & [-30 to 30 / 0 / 1deg/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 045 & \begin{tabular}{l}
Temp.:Center:2:A3,DLT:Energy \\
Saving
\end{tabular} & *ENG & [-30 to \(30 / 9\) / 1deg/step] \\
\hline 046 & \begin{tabular}{l}
Temp.:End:2:A3,DLT:Energy \\
Saving
\end{tabular} & *ENG & [-30 to 30 / 9 / 1deg/step] \\
\hline 051 & Control Time 1:A4 & *ENG & [0 to 300 / 0 / 1sec/step] \\
\hline 052 & Control Time 2:A4 & *ENG & [0 to 300 / 120 / 1sec/step] \\
\hline 053 & Temp.:Center:1:A4 & *ENG & [-30 to \(30 / 0\) / 1deg/step] \\
\hline 054 & Temp.:End:1:A4 & *ENG & [-30 to \(30 / 21 / 1 \mathrm{deg} /\) step] \\
\hline 055 & Temp.:Center:2:A4 & *ENG & [-30 to \(30 / 6\) / 1deg/step] \\
\hline 056 & Temp.:End:2:A4 & *ENG & [-30 to 30 /-30 / 1deg/step] \\
\hline 061 & Control Time 1:A3:M-thick & *ENG & [0 to 300 / 0 / 1sec/step] \\
\hline 062 & Control Time 2:A3:M-thick & *ENG & [0 to \(300 / 0\) / 1sec/step] \\
\hline 063 & Temp.:Center:1:A3:M-thick & *ENG & [-30 to 30 / 0 / 1deg/step] \\
\hline 064 & Temp.:End:1:A3:M-thick & *ENG & [-30 to 30 / 0 / 1deg/step] \\
\hline 065 & Temp.:Center:2:A3:M-thick & *ENG & [-30 to 30 / 0 / 1deg/step] \\
\hline 066 & Temp.:End:2:A3:M-thick & *ENG & [-30 to \(30 / 0\) / 1deg/step] \\
\hline 071 & Control Time 1:DLT:M-thick & *ENG & [0 to \(300 / 60 / 1 \mathrm{sec} /\) step] \\
\hline 072 & Control Time 2:DLT:M-thick & *ENG & [0 to \(300 / 60 / 1 \mathrm{sec} /\) step] \\
\hline 073 & Temp.:Center:1:DLT:M-thick & *ENG & [-30 to 30 / 0 / 1deg/step] \\
\hline 074 & Temp.:End:1:DLT:M-thick & *ENG & [-30 to \(30 / 0\) / 1deg/step] \\
\hline 075 & Temp.:Center:2:DLT:M-thick & *ENG & [-30 to \(30 / 0\) / 1deg/step] \\
\hline 076 & Temp.:End:2:DLT:M-thick & *ENG & [-30 to \(30 / 0\) / 1deg/step] \\
\hline 081 & Control Time 1:Envelope:Long & *ENG & [0 to \(300 / 0 / 1 \mathrm{sec} / \mathrm{step}\) ] \\
\hline 082 & Control Time 2:Envelope:Long & *ENG & [0 to \(300 / 0 / 1 \mathrm{sec} / \mathrm{step}\) ] \\
\hline 083 & Temp.:Center:1:Envelope:Long & *ENG & [-30 to 30 / 0 / 1deg/step] \\
\hline 084 & Temp.:End:1:Envelope:Long & *ENG & [-30 to \(30 / 10 / 1 \mathrm{deg} /\) step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 085 & Temp.:Center:2:Envelope:Long & *ENG & [-30 to 30 / 0 / 1deg/step] \\
\hline 086 & Temp.:End:2:Envelope:Long & *ENG & [-30 to \(30 / 10 / 1 \mathrm{deg} / \mathrm{step}]\) \\
\hline 091 & Control Time 1:Envelope:Short & *ENG & [0 to \(300 / 0 / 1 \mathrm{sec} / \mathrm{step}\) ] \\
\hline 092 & Control Time 2:Envelope:Short & *ENG & [ 0 to \(300 / 0 / 1 \mathrm{sec} /\) step] \\
\hline 093 & Temp.:Center:1:Envelope:Short & *ENG & [-30 to 30 / 0 / 1deg/step] \\
\hline 094 & Temp.:End:1:Envelope:Short & *ENG & [-30 to 30 / 0 / 1deg/step] \\
\hline 095 & Temp.:Center:2:Envelope:Short & *ENG & [-30 to 30 / 0 / 1deg/step] \\
\hline 096 & Temp.:End:2:Envelope:Short & *ENG & [-30 to \(30 / 0\) / 1deg/step] \\
\hline 101 & Control Time 1:B5 & *ENG & [ 0 to \(300 / 0 / 1 \mathrm{sec} / \mathrm{step}\) ] \\
\hline 102 & Control Time 2:B5 & *ENG & [0 to \(300 / 0 / 1 \mathrm{sec} / \mathrm{step}\) ] \\
\hline 103 & Temp.:Center:1:B5 & *ENG & [-30 to 30 / 0 / 1deg/step] \\
\hline 104 & Temp.:End:1:B5 & *ENG & [-30 to 30 /-30 / 1deg/step] \\
\hline 105 & Temp.:Center:2:B5 & *ENG & [-30 to \(30 / 0\) / 1deg/step] \\
\hline 106 & Temp.:End:2:B5 & *ENG & [-30 to 30 /-30 / 1deg/step] \\
\hline 111 & Control Time 1:12inch & *ENG & [0 to \(300 / 0 / 1 \mathrm{sec} /\) step] \\
\hline 112 & Control Time 2:12inch & *ENG & [0 to \(300 / 0 / 1 \mathrm{sec} / \mathrm{step}\) ] \\
\hline 113 & Temp.:Center:1:12inch & *ENG & [-30 to \(30 / 0\) / 1deg/step] \\
\hline 114 & Temp.:End:1:12inch & *ENG & [-30 to \(30 / 0\) / 1deg/step] \\
\hline 115 & Temp.:Center:2:12inch & *ENG & [-30 to 30 / 0 / 1deg/step] \\
\hline 116 & Temp.:End:2:12inch & *ENG & [-30 to 30 / 0 / 1deg/step] \\
\hline 121 & Control Time 1:12inch:M-thick & *ENG & [0 to \(300 / 0 / 1 \mathrm{sec} / \mathrm{step}\) ] \\
\hline 122 & Control Time 2:12inch:M-thick & *ENG & [0 to \(300 / 0 / 1 \mathrm{sec} / \mathrm{step}\) ] \\
\hline 123 & Temp.:Center:1:12inch:M-thick & *ENG & [-30 to 30 / 0 / 1deg/step] \\
\hline 124 & Temp.:End:1:12inch:M-thick & *ENG & [-30 to 30 / 0 / 1deg/step] \\
\hline 125 & Temp.:Center:2:12inch:M-thick & *ENG & [-30 to \(30 / 0\) / 1deg/step] \\
\hline 126 & Temp.:End:2:12inch:M-thick & *ENG & [-30 to \(30 / 0\) / 1deg/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 131 & Control Time 1:SRA3 & *ENG & [0 to 300 / 0 / 1sec/step] \\
\hline 132 & Control Time 2:SRA3 & *ENG & [0 to 300 / 6 / 1sec/step] \\
\hline 133 & Temp.:Center:1:SRA3 & *ENG & [-30 to 30 / 0 / 1deg/step] \\
\hline 134 & Temp.:End:1:SRA3 & *ENG & [-30 to \(30 / 25\) / 1deg/step] \\
\hline 135 & Temp.:Center:2:SRA3 & *ENG & [-30 to 30 / 0 / 1deg/step] \\
\hline 136 & Temp.:End:2:SRA3 & *ENG & [-30 to 30 / 25 / 1deg/step] \\
\hline 141 & Control Time 1:SRA3:M-thick & *ENG & [0 to 300 / 0 / 1sec/step] \\
\hline 142 & Control Time 2:SRA3:M-thick & *ENG & [0 to \(300 / 25 / 1 \mathrm{sec} /\) step] \\
\hline 143 & Temp.:Center:1:SRA3:M-thick & *ENG & [-30 to 30 / 0 / 1deg/step] \\
\hline 144 & Temp.:End:1:SRA3:M-thick & *ENG & [-30 to \(30 / 25\) / 1deg/step] \\
\hline 145 & Temp.:Center:2:SRA3:M-thick & *ENG & [-30 to 30 / 0 / 1deg/step] \\
\hline 146 & Temp.:End:2:SRA3:M-thick & *ENG & [-30 to 30 / 20 / 1deg/step] \\
\hline 151 & Control Time 1:DLT:Low & *ENG & [0 to 300 / 0 / 1sec/step] \\
\hline 152 & Control Time 2:DLT:Low & *ENG & [0 to 300 / 0 / 1sec/step] \\
\hline 153 & Temp.:Center:1:DLT:Low & *ENG & [-30 to 30 / 0 / 1deg/step] \\
\hline 154 & Temp.:End:1:DLT:Low & *ENG & [-30 to 30 / 5 / 1deg/step] \\
\hline 155 & Temp.:Center:2:DLT:Low & *ENG & [-30 to 30 / 0 / 1deg/step] \\
\hline 156 & Temp.:End:2:DLT:Low & *ENG & [-30 to 30 / 5 / 1deg/step] \\
\hline 161 & Control Time 1:DLT:M-thick:Low & *ENG & [0 to 300 / 0 / 1sec/step] \\
\hline 162 & Control Time 2:DLT:M-thick:Low & *ENG & [0 to 300 / 0 / 1sec/step] \\
\hline 163 & Temp.:Center:1:DLT:M-thick:Low & *ENG & [-30 to 30 / 0 / 1deg/step] \\
\hline 164 & Temp.:End:1:DLT:M-thick:Low & *ENG & [-30 to \(30 / 5\) / 1deg/step] \\
\hline 165 & Temp.:Center:2:DLT:M-thick:Low & *ENG & [-30 to 30 / 0 / 1deg/step] \\
\hline 166 & Temp.:End:2:DLT:M-thick:Low & *ENG & [-30 to \(30 / 5\) / 1deg/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 1118 & \multicolumn{3}{|l|}{[Before Job Temp. Correct] DFU} \\
\hline 001 & Temp.:Center:12inch & *ENG & [-30 to 30 / 0 / 1deg/step] \\
\hline 002 & Temp.:End:12inch & *ENG & [-30 to 30 / 0 / 1deg/step] \\
\hline 003 & Temp.:Center:A3 & *ENG & [-30 to 30 / 0 / 1deg/step] \\
\hline 004 & Temp.:End:A3 & *ENG & [-30 to 30 / 0 / 1deg/step] \\
\hline 005 & Temp.:Center:DLT & *ENG & [-30 to 30 / 0 / 1deg/step] \\
\hline 006 & Temp.:End:DLT & *ENG & [-30 to 30 / 0 / 1deg/step] \\
\hline 007 & Temp.:Center:SRA3 & *ENG & [-30 to 30 / 0 / 1deg/step] \\
\hline 008 & Temp.:End:SRA3 & *ENG & [-30 to 30 / 20 / 1deg/step] \\
\hline 011 & Temp.:Center:12inch:M-thick & *ENG & [-30 to 30 / 0 / 1deg/step] \\
\hline 012 & Temp.:End:12inch:M-thick & *ENG & [-30 to 30 / 10 / 1deg/step] \\
\hline 013 & Temp.:Center:A3:M-thick & *ENG & [-30 to 30 / 0 / 1deg/step] \\
\hline 014 & Temp.:End:A3:M-thick & *ENG & [-30 to 30 / 0 / 1deg/step] \\
\hline 015 & Temp.:Center:DLT:M-thick & *ENG & [-30 to 30 / 0 / 1deg/step] \\
\hline 016 & Temp.:End:DLT:M-thick & *ENG & [-30 to 30 / 0 / 1deg/step] \\
\hline 017 & Temp.:Center:SRA3:M-thick & *ENG & [-30 to 30 / 0 / 1deg/step] \\
\hline 018 & Temp.:End:SRA3:M-thick & *ENG & [-30 to 30 / 20 / 1deg/step] \\
\hline 021 & Temp.:Center:12inch:Thick & *ENG & [-30 to 30 / 0 / 1deg/step] \\
\hline 022 & Temp.:End:12inch:Thick & *ENG & [-30 to 30 / 0 / 1deg/step] \\
\hline 023 & Temp.:Center:A3:Thick & *ENG & [-30 to 30 / 0 / 1deg/step] \\
\hline 024 & Temp.:End:A3:Thick & *ENG & [-30 to 30 / 0 / 1deg/step] \\
\hline 025 & Temp.:Center:DLT:Thick & *ENG & [-30 to 30 / 0 / 1deg/step] \\
\hline 026 & Temp.:End:DLT:Thick & *ENG & [-30 to 30 / 0 / 1deg/step] \\
\hline 027 & Temp.:Center:SRA3:Thick & *ENG & [-30 to 30 / 0 / 1deg/step] \\
\hline 028 & Temp.:End:SRA3:Thick & *ENG & [-30 to 30 / 20 / 1deg/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 1119 & \multicolumn{3}{|l|}{[Aging Temp. Correction]} \\
\hline 001 & Page(\%) & *ENG & [ 0 to \(100 / 10 / 1 \% /\) step] \\
\hline 002 & Rotation(\%) & *ENG & [0 to \(100 / 10 / 1 \% /\) step] \\
\hline 011 & Temp.:Plain:FC & *ENG & [0 to 20 / 0 / 1deg/step] \\
\hline 012 & Temp.:Plain:BW & *ENG & [0 to 20 / 0 / 1deg/step] \\
\hline 013 & Temp.:Plain:Energy Saving & *ENG & [0 to 20 / 10 / 1deg/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 1121 & \multicolumn{3}{|l|}{[Switch:Rotation Start/Stop] DFU} \\
\hline 001 & Time:After Reload & *ENG & [0 to \(100 / 60 / 1 \mathrm{sec} /\) step] \\
\hline 002 & Time:After Recovery & *ENG & [0 to 100 / 15/1sec/step] \\
\hline 003 & Time:After Job & *ENG & [0 to \(100 / 60 / 1 \mathrm{sec} /\) step] \\
\hline 004 & Press Temp.:After Reload & *ENG & [0 to 160 / 160 / 1deg/step] \\
\hline 005 & End Temp.:After Job:SRA3 & *ENG & [0 to 250 / 200 / 1deg/step] \\
\hline 006 & - & *ENG & [0 to 250 / 200 / 1deg/step] \\
\hline 007 & - & *ENG & [0 to 250 / 200 / 1deg/step] \\
\hline 008 & Overshoot Prevent Temp. & *ENG & [0 to 250 / 185 / 1deg/step] \\
\hline 009 & Overshoot Prevent Time & *ENG & [0 to \(100 / 10 / 1 \mathrm{sec} /\) step] \\
\hline 010 & End Temp.:After Job:B4 & *ENG & [0 to 250 / 143 / 1deg/step] \\
\hline 011 & End Temp.:After Job:LT & *ENG & [0 to \(250 / 210\) (NA, TW), 153 (EU, AS, CHN, KOR) / 1deg/step] \\
\hline 012 & End Temp.:After Job:B5 & *ENG & [0 to 250 / 155 / 1deg/step] \\
\hline 013 & End Temp.:After Job:A5 & *ENG & [0 to 250 / 155 / 1deg/step] \\
\hline 014 & End Temp.:After Job:B6 & *ENG & [0 to 250 / 145 / 1deg/step] \\
\hline 015 & - & *ENG & [0 to 250 / 145 / 1deg/step] \\
\hline 016 & - & *ENG & [0 to 250 / 200 / 1deg/step] \\
\hline 017 & - & *ENG & [0 to 250 / 200 / 1deg/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 018 & - & *ENG & [0 to 250 / 200 / 1deg/step] \\
\hline 019 & - & *ENG & [0 to 250 / 148 / 1deg/step] \\
\hline 020 & - & *ENG & \begin{tabular}{l}
[0 to 250 / 215 (NA, TW), 153 (EU, \\
AS, CHN, KOR) / 1deg/step]
\end{tabular} \\
\hline 021 & Time:After Main Switch On & *ENG & [0 to 250 / 60 / 1deg/step] \\
\hline 022 & - & *ENG & [0 to 250 / 160 / 1deg/step] \\
\hline 023 & - & *ENG & [0 to 250 / 160 / 1deg/step] \\
\hline 024 & - & *ENG & [0 to 250 / 150 / 1deg/step] \\
\hline 025 & - & *ENG & [0 to 250 / 150 / 1deg/step] \\
\hline 031 & - & *ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 032 & - & *ENG & [0 to 100 / 0 / 1sec/step] \\
\hline 033 & - & *ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 034 & - & *ENG & [0 to 100 / 0 / 1sec/step] \\
\hline 035 & - & *ENG & [0 to 10000 / 300 / 1sec/step] \\
\hline 036 & - & *ENG & [0 to 100 / D146:15, D147:15, D148:10, D149:10, D150:10 / 1sec/step] \\
\hline 037 & - & *ENG & \begin{tabular}{l}
[0 to 10000 / D146:250, D147:250, D148:10000, D149:10000, \\
D150:10000 / 1sec/step]
\end{tabular} \\
\hline 038 & - & *ENG & [0 to 100 / D146:10, D147:10, D148:0, D149:0, D150:0 / 1sec/step] \\
\hline 039 & - & *ENG & [0 to 10000 / 235 / 1sec/step] \\
\hline 040 & - & *ENG & [0 to \(100 / 15\) / 1sec/step] \\
\hline 041 & - & *ENG & [0 to 10000 / 40 / 1sec/step] \\
\hline 042 & - & *ENG & [0 to \(100 / 20 / 1 \mathrm{sec} /\) step] \\
\hline 043 & - & *ENG & [0 to 10000 / 35/1sec/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 044 & - & *ENG & [0 to \(100 / 25 / 1 \mathrm{sec} /\) step] \\
\hline 045 & - & *ENG & [0 to 10000 / 80 / 1sec/step] \\
\hline 046 & - & *ENG & [0 to \(100 / 10\) / 1sec/step] \\
\hline 051 & - & *ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 052 & - & *ENG & [0 to 100 / 0 / 1sec/step] \\
\hline 053 & - & *ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 054 & - & *ENG & [0 to 100 / 0 / 1sec/step] \\
\hline 055 & - & *ENG & [0 to 10000 / \(\mathbf{3 0 0} / \mathbf{1 s e c} /\) step] \\
\hline 056 & - & *ENG & [0 to \(100 / 10 / 1 \mathrm{sec} /\) step] \\
\hline 057 & - & *ENG & [0 to 10000 / 250 / 1sec/step] \\
\hline 058 & - & *ENG & [0 to 100 / 5 / 1sec/step] \\
\hline 059 & - & *ENG & [0 to 10000 / 235 / 1sec/step] \\
\hline 060 & - & *ENG & [0 to \(100 / 10 / 1 \mathrm{sec} /\) step] \\
\hline 061 & - & *ENG & [0 to 10000 / 40 / 1sec/step] \\
\hline 062 & - & *ENG & [0 to 100 / 20 / 1sec/step] \\
\hline 063 & - & *ENG & [0 to 10000 / 35/1sec/step] \\
\hline 064 & - & *ENG & [0 to 100/20 / 1sec/step] \\
\hline 065 & - & *ENG & [0 to 10000 / 80/1sec/step] \\
\hline 066 & - & *ENG & [0 to 100 / 5 / 1sec/step] \\
\hline 101 & Heat Off Time:Start:Warm Up & *ENG & [0 to 60000 / 0 / 1msec/step] \\
\hline 102 & Heat Off Time:Start:End of A Control & *ENG & [0 to 600000 / 100000 / 1msec/step] \\
\hline 103 & - & *ENG & [0 to 200 / 0 / 1sec/step] \\
\hline 111 & \begin{tabular}{l}
Heat Off Time:Stop:After \\
Reload/Print Ready
\end{tabular} & *ENG & [0 to 60000 / 0 / 1msec/step] \\
\hline 112 & Heat Off Time:Stop:After Job & *ENG & [0 to \(60000 / 0 / 1 \mathrm{msec} / \mathrm{step}\) ] \\
\hline
\end{tabular}
\begin{tabular}{|c|l|l|l|}
\hline 113 & \begin{tabular}{l} 
Heat Off Time:Stop:After \\
Job:Energy Saving
\end{tabular} & *ENG & [0 to 60000 / 0 / 1msec/step] \\
\hline 114 & Relay ON Temp.:Warm Up & *ENG & [0 to 250 / 200 / 1deg/step] \\
\hline
\end{tabular}
\begin{tabular}{|r|l|c|l|}
\hline 1122 & [Standby Rotation Setting] DFU \\
\hline 001 & Rotation Interval & *ENG & {\([0\) to \(240 / 60 / 1 \mathrm{~min}]\)} \\
\hline 002 & Rotation Time & *ENG & {\([0.0\) to \(60.0 / 8.0 / 0.1 \mathrm{sec} / \mathrm{step}]\)} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multicolumn{1}{l|}{1123} & \multicolumn{3}{|l|}{ [Paper Jam Rotation Setting] DFU } \\
\hline 001 & Normal Rotation Distance & *ENG & {\([0\) to \(10000 / 75 / 1 \mathrm{~mm} /\) step \(]\)} \\
\hline 002 & Reverse Rotation Distance & *ENG & {\([0\) to \(10000 / 75 / 1 \mathrm{~mm} /\) step \(]\)} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 1124 & \multicolumn{3}{|l|}{[CPM Down Setting] DFU} \\
\hline 001 & High:Down Temp. & *ENG & [-50 to 0/-30 / 1deg/step] \\
\hline 002 & High:Up Temp. & *ENG & [-50 to 0/-15 / 1deg/step] \\
\hline 003 & Low :1st CPM & *ENG & [10 to \(100 / 80 / 1 \% /\) step] \\
\hline 004 & Low :2nd CPM & *ENG & [10 to \(100 / 65\) / 1\%/step] \\
\hline 005 & Low :3rd CPM & *ENG & [10 to \(100 / 50 / 1 \% /\) step] \\
\hline 006 & High:1st CPM & *ENG & [10 to \(100 / 80 / 1 \% /\) step] \\
\hline 007 & High:2nd CPM & *ENG & [10 to \(100 / 50 / 1 \% /\) step] \\
\hline 008 & High:3rd CPM & *ENG & [10 to \(100 / 30 / 1 \% /\) step] \\
\hline 009 & \begin{tabular}{l}
High:1st CPM Down \\
Temp.:A3:Press End
\end{tabular} & *ENG & [100 to 250 / 205 / 1deg/step] \\
\hline 010 & \begin{tabular}{l}
High:2nd CPM Down \\
Temp.:A3:Press End
\end{tabular} & *ENG & [100 to 250 / 210 / 1deg/step] \\
\hline 011 & \begin{tabular}{l}
High:3rd CPM Down \\
Temp.:A3:Press End
\end{tabular} & *ENG & [100 to 250 / 215 / 1deg/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 012 & \begin{tabular}{l}
High:1st CPM Down \\
Temp.:DLT:Press End
\end{tabular} & *ENG & [100 to 250 / 195 / 1deg/step] \\
\hline 013 & \begin{tabular}{l}
High:2nd CPM Down \\
Temp.:DLT:Press End
\end{tabular} & *ENG & [100 to 250 / 200 / 1deg/step] \\
\hline 014 & \begin{tabular}{l}
High:3rd CPM Down \\
Temp.:DLT:Press End
\end{tabular} & *ENG & [100 to 250 / 205 / 1deg/step] \\
\hline 015 & \begin{tabular}{l}
High:1st CPM Down \\
Temp.:B4:Press End
\end{tabular} & *ENG & [100 to 250 / 200 / 1deg/step] \\
\hline 016 & \begin{tabular}{l}
High:2nd CPM Down \\
Temp.:B4:Press End
\end{tabular} & *ENG & [100 to 250 / 210 / 1deg/step] \\
\hline 017 & \begin{tabular}{l}
High:3rd CPM Down \\
Temp.:B4:Press End
\end{tabular} & *ENG & [100 to 250 / 215 / 1deg/step] \\
\hline 018 & High:1st CPM Down Temp.:LT:Fuser End & *ENG & [100 to 250 / 215 / 1deg/step] \\
\hline 019 & \begin{tabular}{l}
High:2nd CPM Down \\
Temp.:LT:Fuser End
\end{tabular} & *ENG & [100 to 250 / 220 / 1deg/step] \\
\hline 020 & \begin{tabular}{l}
High:3rd CPM Down \\
Temp.:LT:Fuser End
\end{tabular} & *ENG & [100 to 250 / 225 / 1deg/step] \\
\hline 021 & \begin{tabular}{l}
High:1st CPM Down \\
Temp.:A4:Fuser End
\end{tabular} & *ENG & [100 to 250 / 215 / 1deg/step] \\
\hline 022 & \begin{tabular}{l}
High:2nd CPM Down \\
Temp.:A4:Fuser End
\end{tabular} & *ENG & [100 to 250 / 220 / 1deg/step] \\
\hline 023 & \begin{tabular}{l}
High:3rd CPM Down \\
Temp.:A4:Fuser End
\end{tabular} & *ENG & [100 to 250 / 225 / 1deg/step] \\
\hline 024 & \begin{tabular}{l}
High:1st CPM Down \\
Temp.:B5:Press Center
\end{tabular} & *ENG & [100 to 250 / 205 / 1deg/step] \\
\hline 025 & \begin{tabular}{l}
High:2nd CPM Down \\
Temp.:B5:Press Center
\end{tabular} & *ENG & [100 to 250 / 210 / 1deg/step] \\
\hline 026 & \begin{tabular}{l}
High:3rd CPM Down \\
Temp.:B5:Press Center
\end{tabular} & *ENG & [100 to 250 / 220 / 1deg/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 027 & High:1st CPM Down Temp.:A5:Press Center & *ENG & [100 to 250 / 170 / 1deg/step] \\
\hline 028 & High:2nd CPM Down Temp.:A5:Press Center & *ENG & [100 to 250 / 180 / 1deg/step] \\
\hline 029 & \begin{tabular}{l}
High:3rd CPM Down \\
Temp.:A5:Press Center
\end{tabular} & *ENG & [100 to 250 / 210 / 1deg/step] \\
\hline 030 & \begin{tabular}{l}
High:1st CPM Down \\
Temp.:B6:Press Center
\end{tabular} & *ENG & [100 to 250 / 170 / 1deg/step] \\
\hline 031 & High:2nd CPM Down Temp.:B6:Press Center & *ENG & [100 to 250 / 180 / 1deg/step] \\
\hline 032 & High:3rd CPM Down Temp.:B6:Press Center & *ENG & [100 to 250 / 210 / 1deg/step] \\
\hline 033 & \begin{tabular}{l}
High:1st CPM Down \\
Temp.:A6:Press Center
\end{tabular} & *ENG & [100 to 250 / 170 / 1deg/step] \\
\hline 034 & High:2nd CPM Down Temp.:A6:Press Center & *ENG & [100 to 250 / 180 / 1deg/step] \\
\hline 035 & High:3rd CPM Down Temp.:A6:Press Center & *ENG & [100 to 250 / 210 / 1deg/step] \\
\hline 036 & \begin{tabular}{l}
High:1st CPM Down \\
Temp.:SRA3:Press End
\end{tabular} & *ENG & [100 to 250 / 210 / 1deg/step] \\
\hline 037 & High:2nd CPM Down Temp.:SRA3:Press End & *ENG & [100 to 250 / 215 / 1deg/step] \\
\hline 038 & \begin{tabular}{l}
High:3rd CPM Down \\
Temp.:SRA3:Press End
\end{tabular} & *ENG & [100 to 250 / 220 / 1deg/step] \\
\hline 051 & Judging Interval & *ENG & [1 to \(250 / 4 / 1 \mathrm{sec} / \mathrm{step}\) ] \\
\hline 101 & High:1st CPM Down Time:A3 & *ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 102 & High:2nd CPM Down Time:A3 & *ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 103 & High:3rd CPM Down Time:A3 & *ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 104 & \begin{tabular}{l}
High:1st CPM Down \\
Time:DLT
\end{tabular} & *ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 105 & \begin{tabular}{l}
High:2nd CPM Down \\
Time:DLT
\end{tabular} & *ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 106 & \begin{tabular}{l}
High:3rd CPM Down \\
Time:DLT
\end{tabular} & *ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 107 & High:1st CPM Down Time:B4 & *ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 108 & High:2nd CPM Down Time:B4 & *ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 109 & High:3rd CPM Down Time:B4 & *ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 110 & High:1st CPM Down Time:LT & *ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 111 & High:2nd CPM Down Time:LT & *ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 112 & High:3rd CPM Down Time:LT & *ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 113 & High:1st CPM Down Time:A4 & *ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 114 & High:2nd CPM Down Time:A4 & *ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 115 & High:3rd CPM Down Time:A4 & *ENG & [0 to \(10000 / 10000 / 1 \mathrm{sec} /\) step] \\
\hline 116 & High:1st CPM Down Time:B5 & *ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 117 & High:2nd CPM Down Time:B5 & *ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 118 & High:3rd CPM Down Time:B5 & *ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 119 & High:1st CPM Down Time:A5 & *ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 120 & High:2nd CPM Down Time:A5 & *ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 121 & High:3rd CPM Down Time:A5 & *ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 122 & High:1st CPM Down Time:B6 & *ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 123 & High:2nd CPM Down Time:B6 & *ENG & [0 to \(10000 / 10000 / 1 \mathrm{sec} /\) step] \\
\hline 124 & High:3rd CPM Down Time:B6 & *ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 125 & High:1st CPM Down Time:A6 & *ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 126 & High:2nd CPM Down Time:A6 & *ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 127 & High:3rd CPM Down Time:A6 & *ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 128 & High:1st CPM Down Time:SRA3 & *ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 129 & \begin{tabular}{l}
High:2nd CPM Down \\
Time:SRA3
\end{tabular} & *ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 130 & \begin{tabular}{l}
High:3rd CPM Down \\
Time:SRA3
\end{tabular} & *ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 151 & \begin{tabular}{l}
High:1st CPM Down \\
Time:A3:Low Speed
\end{tabular} & *ENG & [0 to 10000 / \(\mathbf{1 0 0 0 0} / \mathbf{1 s e c} /\) step] \\
\hline 152 & \begin{tabular}{l}
High:2nd CPM Down \\
Time:A3:Low Speed
\end{tabular} & *ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 153 & \begin{tabular}{l}
High:3rd CPM Down \\
Time:A3:Low Speed
\end{tabular} & *ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 154 & \begin{tabular}{l}
High:1st CPM Down \\
Time:DLT:Low Speed
\end{tabular} & *ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 155 & \begin{tabular}{l}
High:2nd CPM Down \\
Time:DLT:Low Speed
\end{tabular} & *ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 156 & \begin{tabular}{l}
High:3rd CPM Down \\
Time:DLT:Low Speed
\end{tabular} & *ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 157 & \begin{tabular}{l}
High:1st CPM Down \\
Time:B4:Low Speed
\end{tabular} & *ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 158 & \begin{tabular}{l}
High:2nd CPM Down \\
Time:B4:Low Speed
\end{tabular} & *ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 159 & \begin{tabular}{l}
High:3rd CPM Down \\
Time:B4:Low Speed
\end{tabular} & *ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 160 & \begin{tabular}{l}
High:1st CPM Down \\
Time:LT:Low Speed
\end{tabular} & *ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 161 & \begin{tabular}{l}
High:2nd CPM Down \\
Time:LT:Low Speed
\end{tabular} & *ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 162 & \begin{tabular}{l}
High:3rd CPM Down \\
Time:LT:Low Speed
\end{tabular} & *ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 163 & \begin{tabular}{l}
High:1st CPM Down \\
Time:A4:Low Speed
\end{tabular} & *ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 164 & \begin{tabular}{l}
High:2nd CPM Down \\
Time:A4:Low Speed
\end{tabular} & *ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 165 & \begin{tabular}{l}
High:3rd CPM Down \\
Time:A4:Low Speed
\end{tabular} & *ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 166 & \begin{tabular}{l}
High:1st CPM Down \\
Time:B5:Low Speed
\end{tabular} & *ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 167 & \begin{tabular}{l}
High:2nd CPM Down \\
Time:B5:Low Speed
\end{tabular} & *ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 168 & \begin{tabular}{l}
High:3rd CPM Down \\
Time:B5:Low Speed
\end{tabular} & *ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 169 & \begin{tabular}{l}
High:1st CPM Down \\
Time:A5:Low Speed
\end{tabular} & *ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 170 & \begin{tabular}{l}
High:2nd CPM Down \\
Time:A5:Low Speed
\end{tabular} & *ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 171 & \begin{tabular}{l}
High:3rd CPM Down \\
Time:A5:Low Speed
\end{tabular} & *ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 172 & \begin{tabular}{l}
High:1st CPM Down \\
Time:B6:Low Speed
\end{tabular} & *ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 173 & \begin{tabular}{l}
High:2nd CPM Down \\
Time:B6:Low Speed
\end{tabular} & *ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 174 & \begin{tabular}{l}
High:3rd CPM Down \\
Time:B6:Low Speed
\end{tabular} & *ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 175 & \begin{tabular}{l}
High:1st CPM Down \\
Time:A6:Low Speed
\end{tabular} & *ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 176 & \begin{tabular}{l}
High:2nd CPM Down \\
Time:A6:Low Speed
\end{tabular} & *ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 177 & \begin{tabular}{l}
High:3rd CPM Down \\
Time:A6:Low Speed
\end{tabular} & *ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 178 & \begin{tabular}{l}
High:1st CPM Down \\
Time:SRA3:Low Speed
\end{tabular} & *ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|l|l|l|}
\hline 179 & \begin{tabular}{l} 
High:2nd CPM Down \\
Time:SRA3:Low Speed
\end{tabular} & *ENG & {\([0\) to \(10000 / 10000 / 1 \mathrm{sec} / \mathrm{step}]\)} \\
\hline 180 & \begin{tabular}{l} 
High:3rd CPM Down \\
Time:SRA3:Low Speed
\end{tabular} & *ENG & {\([0\) to \(10000 / 10000 / 1 \mathrm{sec} / \mathrm{step}]\)} \\
\hline 201 & Low:Down Temp. & *ENG & {\([-50\) to \(0 /-\mathbf{- 3 0} / 1 \mathrm{deg} /\) step \(]\)} \\
\hline 202 & Low:Up Temp. & *ENG & {\([-50\) to 0/-15 / 1deg/step \(]\)} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 1125 & \multicolumn{3}{|l|}{[CPM Down Setting] DFU} \\
\hline 001 & \begin{tabular}{l}
High:1st CPM:A3:Large \\
Size:Normal Speed
\end{tabular} & *ENG & [0 to 100 / 80 / 1\%/step] \\
\hline 002 & \begin{tabular}{l}
High:2nd CPM:A3:Large \\
Size:Normal Speed
\end{tabular} & *ENG & [0 to 100 / 50 / 1\%/step] \\
\hline 003 & \begin{tabular}{l}
High:3rd CPM:A3:Large \\
Size:Normal Speed
\end{tabular} & *ENG & [0 to 100 / 30 / 1\%/step] \\
\hline 004 & \begin{tabular}{l}
High:1st CPM:A3:Small \\
Size:Normal Speed
\end{tabular} & *ENG & [0 to 100 / 80 / 1\%/step] \\
\hline 005 & \begin{tabular}{l}
High:2nd CPM:A3:Small \\
Size:Normal Speed
\end{tabular} & *ENG & [0 to 100 / 50 / 1\%/step] \\
\hline 006 & \begin{tabular}{l}
High:3rd CPM:A3:Small \\
Size:Normal Speed
\end{tabular} & *ENG & [0 to 100 / 30 / 1\%/step] \\
\hline 007 & \begin{tabular}{l}
High:1st CPM:DLT:Large \\
Size:Normal Speed
\end{tabular} & *ENG & [0 to 100 / 75 / 1\%/step] \\
\hline 008 & \begin{tabular}{l}
High:2nd CPM:DLT:Large \\
Size:Normal Speed
\end{tabular} & *ENG & [0 to 100 / 50 / 1\%/step] \\
\hline 009 & \begin{tabular}{l}
High:3rd CPM:DLT:Large \\
Size:Normal Speed
\end{tabular} & *ENG & [0 to 100 / 30 / 1\%/step] \\
\hline 010 & High:1st CPM:DLT:Small Size:Normal Speed & *ENG & [0 to 100 / 80 / 1\%/step] \\
\hline 011 & High:2nd CPM:DLT:Small Size:Normal Speed & *ENG & [0 to 100 / 50 / 1\%/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 012 & \begin{tabular}{l}
High:3rd CPM:DLT:Small \\
Size:Normal Speed
\end{tabular} & *ENG & [0 to 100 / \(30 / 1 \% / s t e p]\) \\
\hline 013 & \begin{tabular}{l}
High:1st CPM:B4:Large \\
Size:Normal Speed
\end{tabular} & *ENG & [0 to 100 / 80 / 1\%/step] \\
\hline 014 & \begin{tabular}{l}
High:2nd CPM:B4:Large \\
Size:Normal Speed
\end{tabular} & *ENG & [0 to 100 / 50 / 1\%/step] \\
\hline 015 & \begin{tabular}{l}
High:3rd CPM:B4:Large \\
Size:Normal Speed
\end{tabular} & *ENG & [0 to 100 / \(30 / 1 \% / s t e p]\) \\
\hline 016 & \begin{tabular}{l}
High:1st CPM:B4:Small \\
Size:Normal Speed
\end{tabular} & *ENG & [0 to 100 / 80 / 1\%/step] \\
\hline 017 & \begin{tabular}{l}
High:2nd CPM:B4:Small \\
Size:Normal Speed
\end{tabular} & *ENG & [0 to 100 / 50 / 1\%/step] \\
\hline 018 & \begin{tabular}{l}
High:3rd CPM:B4:Small \\
Size:Normal Speed
\end{tabular} & *ENG & [0 to 100 / \(30 / 1 \% / s t e p]\) \\
\hline 019 & \begin{tabular}{l}
High:1st CPM:LT:Large \\
Size:Normal Speed
\end{tabular} & *ENG & [0 to 100 / 80 / 1\%/step] \\
\hline 020 & \begin{tabular}{l}
High:2nd CPM:LT:Large \\
Size:Normal Speed
\end{tabular} & *ENG & [0 to 100 / 50 / 1\%/step] \\
\hline 021 & \begin{tabular}{l}
High:3rd CPM:LT:Large \\
Size:Normal Speed
\end{tabular} & *ENG & [0 to 100 / \(30 / 1 \% / s t e p]\) \\
\hline 022 & \begin{tabular}{l}
High:1st CPM:LT:Small \\
Size:Normal Speed
\end{tabular} & *ENG & [0 to 100 / 80 / 1\%/step] \\
\hline 023 & \begin{tabular}{l}
High:2nd CPM:LT:Small \\
Size:Normal Speed
\end{tabular} & *ENG & [0 to 100 / 50 / 1\%/step] \\
\hline 024 & \begin{tabular}{l}
High:3rd CPM:LT:Small \\
Size:Normal Speed
\end{tabular} & *ENG & [0 to 100 / \(30 / 1 \% / s t e p]\) \\
\hline 025 & \begin{tabular}{l}
High:1st CPM:A4:Large \\
Size:Normal Speed
\end{tabular} & *ENG & [0 to 100 / 80 / 1\%/step] \\
\hline 026 & \begin{tabular}{l}
High:2nd CPM:A4:Large \\
Size:Normal Speed
\end{tabular} & *ENG & [0 to 100 / 50 / 1\%/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 027 & \begin{tabular}{l}
High:3rd CPM:A4:Large \\
Size:Normal Speed
\end{tabular} & *ENG & [0 to 100 / 30 / 1\%/step] \\
\hline 028 & \begin{tabular}{l}
High:1st CPM:A4:Small \\
Size:Normal Speed
\end{tabular} & *ENG & [0 to 100 / 80 / 1\%/step] \\
\hline 029 & \begin{tabular}{l}
High:2nd CPM:A4:Small \\
Size:Normal Speed
\end{tabular} & *ENG & [0 to 100 / 50 / 1\%/step] \\
\hline 030 & \begin{tabular}{l}
High:3rd CPM:A4:Small \\
Size:Normal Speed
\end{tabular} & *ENG & [0 to 100 / 30 / 1\%/step] \\
\hline 031 & \begin{tabular}{l}
High:1st CPM:B5:Large \\
Size:Normal Speed
\end{tabular} & *ENG & [0 to 100 / 80 / 1\%/step] \\
\hline 032 & \begin{tabular}{l}
High:2nd CPM:B5:Large \\
Size:Normal Speed
\end{tabular} & *ENG & [0 to 100 / 50 / 1\%/step] \\
\hline 033 & \begin{tabular}{l}
High:3rd CPM:B5:Large \\
Size:Normal Speed
\end{tabular} & *ENG & [0 to 100 / 30 / 1\%/step] \\
\hline 034 & \begin{tabular}{l}
High:1st CPM:B5:Small \\
Size:Normal Speed
\end{tabular} & *ENG & [0 to 100 / 80 / 1\%/step] \\
\hline 035 & \begin{tabular}{l}
High:2nd CPM:B5:Small \\
Size:Normal Speed
\end{tabular} & *ENG & [0 to 100 / 50 / 1\%/step] \\
\hline 036 & \begin{tabular}{l}
High:3rd CPM:B5:Small \\
Size:Normal Speed
\end{tabular} & *ENG & [0 to 100 / 30 / 1\%/step] \\
\hline 037 & High:1st CPM:A5:Normal Speed & *ENG & [0 to 100 / 80 / 1\%/step] \\
\hline 038 & High:2nd CPM:A5:Normal Speed & *ENG & [0 to 100 / 50 / 1\%/step] \\
\hline 039 & High:3rd CPM:A5:Normal Speed & *ENG & [0 to 100 / 30 / 1\%/step] \\
\hline 040 & High:1st CPM:B6:Normal Speed & *ENG & [0 to 100 / 80 / 1\%/step] \\
\hline 041 & High:2nd CPM:B6:Normal Speed & *ENG & [0 to 100 / \(50 / 1 \% /\) step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 042 & High:3rd CPM:B6:Normal Speed & *ENG & [0 to 100 / 30 / 1\%/step] \\
\hline 043 & High:1st CPM:A6:Normal Speed & *ENG & [0 to 100 / 80 / 1\%/step] \\
\hline 044 & High:2nd CPM:A6:Normal Speed & *ENG & [0 to 100 / 50 / 1\%/step] \\
\hline 045 & High:3rd CPM:A6:Normal Speed & *ENG & [0 to 100 / 30 / 1\%/step] \\
\hline 046 & High:1st CPM:SRA3:Large Size:Normal Speed & *ENG & [0 to 100 / 80 / 1\%/step] \\
\hline 047 & High:2nd CPM:SRA3:Large Size:Normal Speed & *ENG & [0 to 100 / 50 / 1\%/step] \\
\hline 048 & \begin{tabular}{l}
High:3rd CPM:SRA3:Large \\
Size:Normal Speed
\end{tabular} & *ENG & [0 to 100 / 30 / 1\%/step] \\
\hline 049 & \begin{tabular}{l}
High:1st CPM:SRA3:Small \\
Size:Normal Speed
\end{tabular} & *ENG & [0 to 100 / 80 / 1\%/step] \\
\hline 050 & High:2nd CPM:SRA3:Small Size:Normal Speed & *ENG & [0 to 100 / 50 / 1\%/step] \\
\hline 051 & \begin{tabular}{l}
High:3rd CPM:SRA3:Small \\
Size:Normal Speed
\end{tabular} & *ENG & [0 to 100 / 30 / 1\%/step] \\
\hline 101 & \begin{tabular}{l}
High:1st CPM:A3:Large \\
Size:Middle Speed
\end{tabular} & *ENG & [0 to 100 / 80 / 1\%/step] \\
\hline 102 & \begin{tabular}{l}
High:2nd CPM:A3:Large \\
Size:Middle Speed
\end{tabular} & *ENG & [0 to 100 / 50 / 1\%/step] \\
\hline 104 & \begin{tabular}{l}
High:1st CPM:A3:Small \\
Size:Middle Speed
\end{tabular} & *ENG & [0 to 100 / 80 / 1\%/step] \\
\hline 105 & \begin{tabular}{l}
High:2nd CPM:A3:Small \\
Size:Middle Speed
\end{tabular} & *ENG & [0 to 100 / 50 / 1\%/step] \\
\hline 107 & High:1st CPM:DLT:Large Size:Middle Speed & *ENG & [0 to 100 / 80 / 1\%/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 108 & \begin{tabular}{l}
High:2nd CPM:DLT:Large \\
Size:Middle Speed
\end{tabular} & *ENG & [0 to 100 / \(50 / 1 \% / s t e p]\) \\
\hline 110 & \begin{tabular}{l}
High:1st CPM:DLT:Small \\
Size:Middle Speed
\end{tabular} & *ENG & [0 to \(100 / 80 / 1 \% / s t e p]\) \\
\hline 111 & \begin{tabular}{l}
High:2nd CPM:DLT:Small \\
Size:Middle Speed
\end{tabular} & *ENG & [0 to 100 / 50 / 1\%/step] \\
\hline 113 & \begin{tabular}{l}
High:1st CPM:B4:Large \\
Size:Middle Speed
\end{tabular} & *ENG & [0 to 100 / 80 / 1\%/step] \\
\hline 114 & \begin{tabular}{l}
High:2nd CPM:B4:Large \\
Size:Middle Speed
\end{tabular} & *ENG & [0 to 100 / \(50 / 1 \% / s t e p]\) \\
\hline 116 & \begin{tabular}{l}
High:1st CPM:B4:Small \\
Size:Middle Speed
\end{tabular} & *ENG & [0 to 100 / 80 / 1\%/step] \\
\hline 117 & \begin{tabular}{l}
High:2nd CPM:B4:Small \\
Size:Middle Speed
\end{tabular} & *ENG & [0 to 100 / 50 / 1\%/step] \\
\hline 119 & \begin{tabular}{l}
High:1st CPM:LT:Large \\
Size:Middle Speed
\end{tabular} & *ENG & [0 to 100 / 80 / 1\%/step] \\
\hline 120 & \begin{tabular}{l}
High:2nd CPM:LT:Large \\
Size:Middle Speed
\end{tabular} & *ENG & [0 to \(100 / 50 / 1 \% / s t e p]\) \\
\hline 122 & \begin{tabular}{l}
High:1st CPM:LT:Small \\
Size:Middle Speed
\end{tabular} & *ENG & [0 to \(100 / 80 / 1 \% / s t e p]\) \\
\hline 123 & \begin{tabular}{l}
High:2nd CPM:LT:Small \\
Size:Middle Speed
\end{tabular} & *ENG & [0 to 100 / \(50 / 1 \% / s t e p]\) \\
\hline 125 & \begin{tabular}{l}
High:1st CPM:A4:Large \\
Size:Middle Speed
\end{tabular} & *ENG & [0 to 100 / 80 / 1\%/step] \\
\hline 126 & \begin{tabular}{l}
High:2nd CPM:A4:Large \\
Size:Middle Speed
\end{tabular} & *ENG & [0 to \(100 / 50 / 1 \% / s t e p]\) \\
\hline 128 & \begin{tabular}{l}
High:1st CPM:A4:Small \\
Size:Middle Speed
\end{tabular} & *ENG & [0 to 100 / 80 / 1\%/step] \\
\hline 129 & \begin{tabular}{l}
High:2nd CPM:A4:Small \\
Size:Middle Speed
\end{tabular} & *ENG & [0 to 100 / \(50 / 1 \% / s t e p]\) \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 131 & \begin{tabular}{l}
High:1st CPM:B5:Large \\
Size:Middle Speed
\end{tabular} & *ENG & [0 to 100 / 80 / 1\%/step] \\
\hline 132 & \begin{tabular}{l}
High:2nd CPM:B5:Large \\
Size:Middle Speed
\end{tabular} & *ENG & [0 to 100 / 50 / 1\%/step] \\
\hline 134 & \begin{tabular}{l}
High:1st CPM:B5:Small \\
Size:Middle Speed
\end{tabular} & *ENG & [0 to 100 / 80 / 1\%/step] \\
\hline 135 & \begin{tabular}{l}
High:2nd CPM:B5:Small \\
Size:Middle Speed
\end{tabular} & *ENG & [0 to 100 / 50 / 1\%/step] \\
\hline 137 & \begin{tabular}{l}
High:1st CPM:A5:Middle \\
Speed
\end{tabular} & *ENG & [0 to 100 / 80 / 1\%/step] \\
\hline 138 & \begin{tabular}{l}
High:2nd CPM:A5:Middle \\
Speed
\end{tabular} & *ENG & [0 to 100 / 50 / 1\%/step] \\
\hline 140 & \begin{tabular}{l}
High:1st CPM:B6:Middle \\
Speed
\end{tabular} & *ENG & [0 to 100 / 60 / 1\%/step] \\
\hline 141 & \begin{tabular}{l}
High:2nd CPM:B6:Middle \\
Speed
\end{tabular} & *ENG & [0 to 100 / 50 / 1\%/step] \\
\hline 143 & \begin{tabular}{l}
High:1st CPM:A6:Middle \\
Speed
\end{tabular} & *ENG & [0 to 100 / 80 / 1\%/step] \\
\hline 144 & \begin{tabular}{l}
High:2nd CPM:A6:Middle \\
Speed
\end{tabular} & *ENG & [0 to 100 / 50 / 1\%/step] \\
\hline 145 & \begin{tabular}{l}
High:1st CPM:SRA3:Large \\
Size:Middle Speed
\end{tabular} & *ENG & [0 to 100 / 80 / 1\%/step] \\
\hline 146 & \begin{tabular}{l}
High:2nd CPM:SRA3:Large \\
Size:Middle Speed
\end{tabular} & *ENG & [0 to 100 / 50 / 1\%/step] \\
\hline 147 & High:1st CPM:SRA3:Small Size:Middle Speed & *ENG & [0 to 100 / 80 / 1\%/step] \\
\hline 148 & High:2nd CPM:SRA3:Small Size:Middle Speed & *ENG & [0 to 100 / 50 / 1\%/step] \\
\hline 201 & \begin{tabular}{l}
High:1st CPM:A3:Large \\
Size:Low Speed
\end{tabular} & *ENG & [0 to 100 / 80 / 1\%/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 204 & \begin{tabular}{l}
High:1st CPM:A3:Small \\
Size:Low Speed
\end{tabular} & *ENG & [0 to 100 / 80 / 1\%/step] \\
\hline 207 & \begin{tabular}{l}
High:1st CPM:DLT:Large \\
Size:Low Speed
\end{tabular} & *ENG & [0 to 100 / 80 / 1\%/step] \\
\hline 210 & \begin{tabular}{l}
High:1st CPM:DLT:Small \\
Size:Low Speed
\end{tabular} & *ENG & [0 to 100 / 80 / 1\%/step] \\
\hline 213 & \begin{tabular}{l}
High:1st CPM:B4:Large \\
Size:Low Speed
\end{tabular} & *ENG & [0 to 100 / 80 / 1\%/step] \\
\hline 216 & \begin{tabular}{l}
High:1st CPM:B4:Small \\
Size:Low Speed
\end{tabular} & *ENG & [0 to 100 / 80 / 1\%/step] \\
\hline 219 & \begin{tabular}{l}
High:1st CPM:LT:Large \\
Size:Low Speed
\end{tabular} & *ENG & [0 to 100 / 80 / 1\%/step] \\
\hline 222 & \begin{tabular}{l}
High:1st CPM:LT:Small \\
Size:Low Speed
\end{tabular} & *ENG & [0 to 100 / 80 / 1\%/step] \\
\hline 225 & \begin{tabular}{l}
High:1st CPM:A4:Large \\
Size:Low Speed
\end{tabular} & *ENG & [0 to 100 / 80 / 1\%/step] \\
\hline 228 & \begin{tabular}{l}
High:1st CPM:A4:Small \\
Size:Low Speed
\end{tabular} & *ENG & [0 to 100 / 80 / 1\%/step] \\
\hline 231 & \begin{tabular}{l}
High:1st CPM:B5:Large \\
Size:Low Speed
\end{tabular} & *ENG & [0 to 100 / 80 / 1\%/step] \\
\hline 234 & \begin{tabular}{l}
High:1st CPM:B5:Small \\
Size:Low Speed
\end{tabular} & *ENG & [0 to 100 / 80 / 1\%/step] \\
\hline 237 & High:1st CPM:A5:Low Speed & *ENG & [0 to 100 / 80 / 1\%/step] \\
\hline 240 & High:1st CPM:B6:Low Speed & *ENG & [0 to \(100 / 50 / 1 \% /\) step] \\
\hline 243 & High:1st CPM:A6:Low Speed & *ENG & [0 to 100 / 80 / 1\%/step] \\
\hline 244 & \begin{tabular}{l}
High:1st CPM:SRA3:Large \\
Size:Low Speed
\end{tabular} & *ENG & [0 to 100 / 80 / 1\%/step] \\
\hline 245 & \begin{tabular}{l}
High:1st CPM:SRA3:Small \\
Size:Low Speed
\end{tabular} & *ENG & [0 to 100 / 80 / 1\%/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 1126 & \multicolumn{3}{|l|}{[Heating Start Delay] DFU} \\
\hline 001 & Judgement Temp 1 & ENG & [0 to 180 / 30 / 1deg/step] \\
\hline 002 & Judgement Temp 2 & ENG & [0 to 180 / 32 / 1deg/step] \\
\hline 003 & Judgement Temp 3 & ENG & [00 to 180 / 45 / 1deg/step] \\
\hline 011 & Set TimeA: Div 1 & ENG & \begin{tabular}{l}
[0 to 10000 / 1100 (NA, TW), 1500 \\
(EU, AS, CHN, KOR) / 1msec/step]
\end{tabular} \\
\hline 012 & Set TimeA: Div 2 & ENG & \begin{tabular}{l}
[0 to 10000 / 1600 (NA, TW), 2200 \\
(EU, AS, CHN, KOR) / 1msec/step]
\end{tabular} \\
\hline 013 & Set TimeA: Div 3 & ENG & \begin{tabular}{l}
[0 to 10000 / 1900 (NA, TW), 2500 \\
(EU, AS, CHN, KOR) / 1msec/step]
\end{tabular} \\
\hline 014 & Set TimeA: Div 4 & ENG & \begin{tabular}{l}
[0 to 10000 / 1100 (NA, TW), 1500 \\
(EU, AS, CHN, KOR) / 1msec/step]
\end{tabular} \\
\hline 021 & Delay Time: Div 1 & ENG & \begin{tabular}{l}
[0 to 10000 / 1100 (NA, TW), 1500 \\
(EU, AS, CHN, KOR) / 1msec/step]
\end{tabular} \\
\hline 022 & Delay Time: Div 2 & ENG & \begin{tabular}{l}
[0 to 10000 / 1600 (NA, TW), 2200 \\
(EU, AS, CHN, KOR) / 1msec/step]
\end{tabular} \\
\hline 023 & Delay Time: Div 3 & ENG & \begin{tabular}{l}
[0 to 10000 / 1900 (NA, TW), 2500 \\
(EU, AS, CHN, KOR) / 1msec/step]
\end{tabular} \\
\hline 024 & Delay Time: Div 4 & ENG & \begin{tabular}{l}
[0 to 10000 / 1100 (NA, TW), 1500 \\
(EU, AS, CHN, KOR) / 1msec/step]
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 1127 & \multicolumn{3}{|l|}{[Energy Saving PprFeed Judgment] DFU} \\
\hline 001 & Judging Method Change & ENG & \[
\begin{aligned}
& \text { [0 or } 1 / 1 / 1 / \text { step }] \\
& 0 \text { : Off } \\
& 1: \text { On }
\end{aligned}
\] \\
\hline 002 & Temp.: Threshold: Press & ENG & [0 to 200 / D146:50, D147:60, D148:70, D149:70, D150:70 / 1deg/step] \\
\hline 003 & Temp.: Threshold: Atmosphere & ENG & [0 to \(200 / 60 / 1 \mathrm{deg} /\) step] \\
\hline
\end{tabular}
\begin{tabular}{|c|l|l|l|}
\hline 004 & Power Supply Voltage: Lower & ENG & \begin{tabular}{l}
{\([0\) to \(300 / 108\) (NA), 102 (TW), 206 } \\
(EU, AS, CHN, KOR) / 1V/step]
\end{tabular} \\
\hline 005 & Power Supply Voltage: Upper & ENG & \begin{tabular}{l} 
[0 to \(300 / \mathbf{1 2 6}\) (NA, TW), 252 (EU, \\
AS, CHN, KOR) / 1V/step]
\end{tabular} \\
\hline 006 & Judgment Time-Out & ENG & {\([0.0\) to \(10.0 / \mathbf{2 . 0} / 0.1 \mathrm{sec} /\) step \(]\)} \\
\hline
\end{tabular}
\begin{tabular}{|c|l|l|l|}
\hline 1131 & \multicolumn{3}{|l|}{ [Continuous Print Mode Switch] DFU } \\
\hline 001 & & & [0 to 2/1 / 1/step] \\
Feed Permit Condition & *ENG & \begin{tabular}{l} 
: Productivity Mode \\
1: Fusing Quality Mode \\
2: Fusing Quality Mode 2
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|l|l|l|}
\hline 1132 & \multicolumn{3}{|l|}{ [Maximum Duty Switch] DFU } \\
\hline 001 & Control Method Switch & *ENG & \begin{tabular}{l} 
[0 or 1/0 / 1/step] \\
0: Fixed Duty \\
1: AutoOffstCtl
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline 1133 & \multicolumn{4}{|l|}{} & [Voltage Detection] DFU \\
\hline 001 & Voltage Detection & *ENG & [0.0 to \(350.0 / 0.0 / 0.1\) V/step] \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|l|}
\hline 1134 & \multicolumn{3}{|l|}{ [Effective Duty Adjustment] DFU } \\
\hline 001 & Control Method Switch & *ENG & \begin{tabular}{l} 
[0 or 1/0/1/step] \\
0: OFF \\
\(1: ~ O N\)
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline 1135 & \multicolumn{2}{|l|}{} \\
\hline 001 & Inrush Control] & Inrush Control & \begin{tabular}{l} 
[0 or 1 / 0 / 1/step] \\
0: Normal (Do not) \\
1: Inrush current suppress (Do) \\
DFU
\end{tabular} \\
\hline 002 & Flicker Contorol & *ENG & \begin{tabular}{l}
{\([-/ 0 /-]\)} \\
[Execute]
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 1141 & \multicolumn{3}{|l|}{[Fusing SC Error Time Info]} \\
\hline \multirow{2}{*}{001} & SC Number & *ENG & [0 to 99999 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Display occurring SC.} \\
\hline \multirow[b]{2}{*}{101} & Htg Roller:Ctr Det1 & *ENG & [-5 to 300 / 0 / 1deg/step] \\
\hline & \multicolumn{3}{|l|}{Display detailed conditions when SC occur. Displayed content is calculate temp.: center: occurred time.} \\
\hline \multirow[b]{2}{*}{102} & Htg Roller:End Det1 & *ENG & [-5 to 300 / 0 / 1deg/step] \\
\hline & \multicolumn{3}{|l|}{Display detailed conditions when SC occur. Displayed content is detect temp. center: occurred time.} \\
\hline \multirow[b]{2}{*}{103} & Press Roller:Ctr Det1 & *ENG & [-5 to 300 / 0 / 1deg/step] \\
\hline & \multicolumn{3}{|l|}{Display detailed conditions when SC occur. Displayed content is ambiance temp.: center: occurred time.} \\
\hline \multirow[b]{2}{*}{104} & Press Roller:End Det1 & *ENG & [-5 to 300 / 0 / 1deg/step] \\
\hline & \multicolumn{3}{|l|}{Display detailed conditions when SC occur. Displayed content is calculate temp.: edge: occurred time.} \\
\hline \multirow[b]{2}{*}{151} & Htg Roller:Ctr Det2 & *ENG & [-5 to 300 / 0 / 1deg/step] \\
\hline & \multicolumn{3}{|l|}{Display detailed conditions when SC occur. Displayed content is calculate temp.: center: 1 cycle a head of occurred time.} \\
\hline \multirow[b]{2}{*}{152} & Htg Roller:End Det2 & *ENG & [-5 to 300 / 0 / 1deg/step] \\
\hline & \multicolumn{3}{|l|}{Display detailed conditions when SC occur. Displayed content is detect temp.: center: 1 cycle a head of occurred time.} \\
\hline \multirow[b]{2}{*}{153} & Press Roller:Ctr Det2 & *ENG & [-5 to 300 / 0 / 1deg/step] \\
\hline & \multicolumn{3}{|l|}{Display detailed conditions when SC occur. Displayed content is ambiance temp.: center: 1 cycle a head of occurred time.} \\
\hline \multirow[b]{2}{*}{154} & Press Roller:End Det2 & *ENG & [-5 to 300 / 0 / 1deg/step] \\
\hline & \multicolumn{3}{|l|}{Display detailed conditions when SC occur. Displayed content is calculate temp.: edge: 1 cycle a head of occurred time.} \\
\hline 201 & Htg Roller:Ctr Det3 & *ENG & [-5 to 300 / 0 / 1deg/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline & Display detailed condit temp.: center: 2 cycle & SC occ occurred & Displayed content is calculate me. \\
\hline \multirow[b]{2}{*}{202} & Htg Roller:End Det3 & *ENG & [-5 to 300 / 0 / 1deg/step] \\
\hline & \multicolumn{3}{|l|}{Display detailed conditions when SC occur. Displayed content is detect temp. center: 2 cycle a head of occurred time.} \\
\hline \multirow[b]{2}{*}{203} & Press Roller:Ctr Det3 & *ENG & [-5 to 300 / 0 / 1deg/step] \\
\hline & \multicolumn{3}{|l|}{Display detailed conditions when SC occur. Displayed content is ambiance temp.: center: 2 cycle a head of occurred time.} \\
\hline \multirow[b]{2}{*}{204} & Press Roller:End Det3 & *ENG & [-5 to 300 / 0 / 1deg/step] \\
\hline & \multicolumn{3}{|l|}{Display detailed conditions when SC occur. Displayed content is calculate temp.: edge: 2 cycle a head of occurred time.} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline 1142 & \multicolumn{3}{|l|}{ [Fusing Jam Detection] } \\
\hline \multirow{3}{*}{001} & SC Display & *ENG & \begin{tabular}{l} 
[0 or 1/0 / 1/step] \\
0: OFF \\
\(1: ~ O N ~\)
\end{tabular} \\
\cline { 2 - 4 } & & & Display SC or not when detecting a fusing jam 3 times in a roll. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 1151 & \multicolumn{3}{|l|}{[Pressure Setting] DFU} \\
\hline 001 & Pressure Change ON/OFF & *ENG & \[
\begin{aligned}
& {[0 \text { or } 1 / 0 / 1 / \text { step }]} \\
& 0: \text { OFF } \\
& 1: \text { ON }
\end{aligned}
\] \\
\hline 002 & Pressure Time1 & *ENG & [0 to \(10000 / 70 / 10 \mathrm{msec} /\) step] \\
\hline 003 & Pressure Time2 & *ENG & [0 to \(10000 / 70 / 10 \mathrm{msec} /\) step] \\
\hline 005 & Depressure Time & *ENG & [0 to 10000 / 0 / 10msec/step] \\
\hline 010 & Shift Time:Energy Saving & *ENG & [0 to \(3600 / 0 / 1 \mathrm{sec} /\) step] \\
\hline 011 & Shift Time & *ENG & [0 to 3600 / \(60 / 1 \mathrm{sec} / \mathrm{step}\) ] \\
\hline 051 & Rotary speed & *ENG & [-12.8 to 12.7 / 0.0 / 0.1\%/step] \\
\hline 101 & Pressure:Plain1/2 & *ENG & [ 0 to \(3 / 2 / 1 /\) step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 102 & Pressure:Thin & *ENG & [0 to 3 / 2 / 1/step] \\
\hline 103 & Pressure:M-thick & *ENG & [0 to 3 / 2 / 1/step] \\
\hline 104 & Pressure:Thick1 & *ENG & [0 to 3 / 2 / 1/step] \\
\hline 105 & Pressure:Thick2 & *ENG & [0 to 3 / 2 / 1/step] \\
\hline 106 & Pressure:Thick3 & *ENG & [0 to 3 / 2 / 1/step] \\
\hline 107 & Pressure:Special1 & *ENG & [0 to 3 / 2 / 1/step] \\
\hline 108 & Pressure:Special2 & *ENG & [0 to 3 / 2 / 1/step] \\
\hline 109 & Pressure:Special3 & *ENG & [0 to 3 / 2 / 1/step] \\
\hline 110 & Pressure:Envelope & *ENG & [0 to 3 / 2 / 1/step] \\
\hline 131 & \begin{tabular}{l}
Pressure:Special1:Middle \\
Speed
\end{tabular} & *ENG & [0 to 3 / 2 / 1/step] \\
\hline 132 & \begin{tabular}{l}
Pressure:Special2:Middle \\
Speed
\end{tabular} & *ENG & [0 to 3 / 2 / 1/step] \\
\hline 133 & Pressure:Special3:Middle Speed & *ENG & [0 to 3 / 2 / 1/step] \\
\hline 151 & Pressure:Plain1/2:Low Speed & *ENG & [0 to 3 / 2 / 1/step] \\
\hline 152 & Pressure:M-thick:Low Speed & *ENG & [0 to 3 / 2 / 1/step] \\
\hline 153 & Pressure:Thick1:Low Speed & *ENG & [0 to 3 / 2 / 1/step] \\
\hline 154 & Pressure:Special1:Low Speed & *ENG & [0 to 3 / 2 / 1/step] \\
\hline 155 & Pressure:Special2:Low Speed & *ENG & [0 to 3 / 2 / 1/step] \\
\hline 156 & Pressure:Plain1/2:Glossy & *ENG & [0 to 3 / 2 / 1/step] \\
\hline 157 & Pressure:M-thick:Glossy & *ENG & [0 to 3 / 2 / 1/step] \\
\hline 158 & Pressure:OHP & *ENG & [0 to 3 / 2 / 1/step] \\
\hline 159 & \begin{tabular}{l}
Pressure:Envelope:Low \\
Speed
\end{tabular} & *ENG & [0 to 3 / 2 / 1/step] \\
\hline 160 & Pressure:Thin:Low Speed & *ENG & [0 to 3 / 2 / 1/step] \\
\hline 161 & Pressure:Thick4 & *ENG & [0 to 3 / 2 / 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline 162 & Pressure:Postcard & *ENG & {\([0\) to \(3 / 2 / 1 /\) step \(]\)} \\
\hline 163 & Pressure:Special3:Low Speed & *ENG & {\([0\) to \(3 / 2 / 1 /\) step \(]\)} \\
\hline 201 & Filler Edge Detection Counter & ENG & {\([0\) to \(9000000 / 0 / 1 /\) step \(]\)} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 1152 & \multicolumn{3}{|l|}{[Fusing Nip Band Check]} \\
\hline \multirow{2}{*}{001} & Execute & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Measure nip.} \\
\hline 002 & Pre-idling Time & *ENG & [0 to 999 / \(\mathbf{3 0 0} / \mathbf{1 s e c} /\) step] DFU \\
\hline 003 & Stop Time & *ENG & \begin{tabular}{l}
[0 to \(100 / 20 / 1 \mathrm{sec} /\) step] \\
DFU
\end{tabular} \\
\hline 004 & Pressure Position & *ENG & \begin{tabular}{l}
[1 to \(2 / 2 / 1 /\) step] \\
DFU
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 1153 & \multicolumn{3}{|l|}{[Abnormal Noise Confirmation] DFU} \\
\hline 001 & Unit: Execute & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline 003 & Operation Line Speed & ENG & \begin{tabular}{l}
[0 to 2 / 0 / 1/step] \\
0: Std Speed \\
1: Mid Speed \\
2: Low Speed
\end{tabular} \\
\hline 004 & Operation Time & ENG & [0 to \(240 / 60 / 1 \mathrm{sec} /\) step] \\
\hline 005 & Heat Center Target Temp & ENG & [100 to 180 / 130 / 1deg/step] \\
\hline 006 & Heat End Target Temp & ENG & [100 to 180 / \(130 / 1 \mathrm{deg} / \mathrm{step}\) ] \\
\hline 007 & Press Target Temp & ENG & [0 to 200 / 0 / 1deg/step] \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline 1154 & \multicolumn{3}{l|}{ [Switch:Rotation Start/Stop] DFU } \\
\hline 001 & Judging Method Change & *ENG & \begin{tabular}{l} 
[0 or \(1 / 0 / 1 /\) step \(]\) \\
0: On \\
\(1: ~ O f f ~\)
\end{tabular} \\
\hline 005 & - & *ENG & {\([0\) to \(250 / 50 / 10 \mathrm{msec} /\) step \(]\)} \\
\hline 006 & Overshoot Prevent Temp.:SC & *ENG & {\([0\) to \(250 / 185 / 1\) deg/step] } \\
\hline
\end{tabular}
\begin{tabular}{|c|l|l|l|}
\hline 1155 & \multicolumn{4}{|l|}{ [Small Size Paper Control] DFU } \\
\hline 001 & Print Width & ENG & {\([0\) to \(300 / 0 / 1 \mathrm{~mm} / \mathrm{step}]\)} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 1155 & \multicolumn{3}{|l|}{[Short Heater Control] DFU} \\
\hline 011 & \begin{tabular}{l}
Feed Permit \\
Temp.:delta:Center
\end{tabular} & ENG & [0 to 200 / 5 / 1deg/step] \\
\hline 012 & \begin{tabular}{l}
Feed Permit \\
Temp.:delta:Press
\end{tabular} & ENG & [0 to 200 / 100 / 1deg/step] \\
\hline 013 & Feed Permit Rotation Time & ENG & [0 to 100 / 0 / 1deg/step] \\
\hline 021 & After Job End Temp.:Center & ENG & [0 to \(200 / 5 / 1 \mathrm{sec} /\) step] \\
\hline 022 & After Job End Temp.:End & ENG & [0 to \(200 / 5 / 1 \mathrm{sec} /\) step] \\
\hline 023 & After Job End Time & ENG & [0 to \(100 / 0\) / 1sec/step] \\
\hline
\end{tabular}
\begin{tabular}{|r|l|c|l|}
\hline 1157 & [Overshoot Prevent Control] DFU \\
\hline 001 & Decision Time & *ENG & [0 to \(100 / 5 / 1 \mathrm{sec} /\) step \(]\) \\
\hline 002 & Decision Temp. & *ENG & {\([0\) to \(250 / \mathbf{1 8 0} / 1 \mathrm{deg} /\) step \(]\)} \\
\hline 003 & - & *ENG & {\([0\) to \(300 / 15 / 1\) sec/step \(]\)} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline 1161 & [Shading Plate Control] DFU \\
\hline 001 & Judgment Temp A & ENG & {\([0\) to \(250 / \mathbf{2 5 0} / 1\) deg/step \(]\)} \\
\hline 002 & Judgment Temp B & ENG & {\([0\) to \(250 / \mathbf{2 5 0} / 1\) deg/step \(]\)} \\
\hline \(\mathbf{0 0 3}\) & Position Transition Time & ENG & {\([0\) to \(10000 / \mathbf{1 0 0 0} / 1 \mathrm{msec} /\) step \(]\)} \\
\hline \(\mathbf{0 0 4}\) & After Transition Time Out & ENG & {\([0\) to \(20000 / \mathbf{0} / 1 \mathrm{msec} /\) step \(]\)} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 1162 & \multicolumn{3}{|l|}{[Shading Plate Contorol] DFU} \\
\hline 001 & \begin{tabular}{l}
Shading Position Temp: \\
12inch: 1
\end{tabular} & ENG & [0 to 250 / 155 / 1deg/step] \\
\hline 002 & \begin{tabular}{l}
Shading Position Temp: \\
12inch: 2
\end{tabular} & ENG & [0 to 250 / 165 / 1deg/step] \\
\hline 003 & \begin{tabular}{l}
Shading Position Temp: \\
12inch: 3
\end{tabular} & ENG & [0 to 250 / 175 / 1deg/step] \\
\hline 004 & Shading Position Temp: A3: 1 & ENG & [0 to 250 / 155 / 1deg/step] \\
\hline 005 & Shading Position Temp: A3: 2 & ENG & [0 to 250 / 165 / 1deg/step] \\
\hline 006 & Shading Position Temp: A3: 3 & ENG & [0 to 250 / 175 / 1deg/step] \\
\hline 007 & \begin{tabular}{l}
Shading Position Temp: DLT: \\
1
\end{tabular} & ENG & [0 to 250 / 150 / 1deg/step] \\
\hline 008 & Shading Position Temp: DLT:
\[
2
\] & ENG & [0 to 250 / 160 / 1deg/step] \\
\hline 009 & \begin{tabular}{l}
Shading Position Temp: DLT: \\
3
\end{tabular} & ENG & [0 to 250 / 170 / 1deg/step] \\
\hline 010 & Shading Position Temp: B4: 1 & ENG & [0 to 250 / 150 / 1deg/step] \\
\hline 011 & Shading Position Temp: B4: 2 & ENG & [0 to 250 / 160 / 1deg/step] \\
\hline 012 & Shading Position Temp: B4: 3 & ENG & [0 to 250 / 170 / 1deg/step] \\
\hline 013 & Shading Position Temp: LT: 1 & ENG & [0 to 250 / 250 / 1deg/step] \\
\hline 014 & Shading Position Temp: LT: 2 & ENG & [0 to 250 / 250 / 1deg/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 015 & Shading Position Temp: LT: 3 & ENG & [0 to 250 / 250 / 1deg/step] \\
\hline 016 & Shading Position Temp: A4: 1 & ENG & [0 to 250 / 250 / 1deg/step] \\
\hline 017 & Shading Position Temp: A4: 2 & ENG & [0 to 250 / 250 / 1deg/step] \\
\hline 018 & Shading Position Temp: A4: 3 & ENG & [0 to 250 / 250 / 1deg/step] \\
\hline 019 & Shading Position Temp: B5: 1 & ENG & [0 to 250 / 250 / 1deg/step] \\
\hline 020 & Shading Position Temp: B5: 2 & ENG & [0 to 250 / 250 / 1deg/step] \\
\hline 021 & Shading Position Temp: B5: 3 & ENG & [0 to 250 / 250 / 1deg/step] \\
\hline 022 & Shading Position Temp: A5: 1 & ENG & [0 to 250 / 250 / 1deg/step] \\
\hline 023 & Shading Position Temp: A5: 2 & ENG & [0 to 250 / 250 / 1deg/step] \\
\hline 024 & Shading Position Temp: A5: 3 & ENG & [0 to 250 / 250 / 1deg/step] \\
\hline 025 & Shading Position Temp: B6: 1 & ENG & [0 to 250 / 165 / 1deg/step] \\
\hline 026 & Shading Position Temp: B6: 2 & ENG & [0 to 250 / 165 / 1deg/step] \\
\hline 027 & Shading Position Temp: B6: 3 & ENG & [0 to 250 / 165 / 1deg/step] \\
\hline 028 & \begin{tabular}{l}
Shading Position Temp: \\
DLEnv: 1
\end{tabular} & ENG & [0 to 250 / 165 / 1deg/step] \\
\hline 029 & \begin{tabular}{l}
Shading Position Temp: \\
DLEnv: 2
\end{tabular} & ENG & [0 to 250 / 165 / 1deg/step] \\
\hline 030 & \begin{tabular}{l}
Shading Position Temp: \\
DLEnv: 3
\end{tabular} & ENG & [0 to 250 / 165 / 1deg/step] \\
\hline 031 & Shading Position Temp: COM10: 1 & ENG & [0 to 250 / 165 / 1deg/step] \\
\hline 032 & Shading Position Temp: COM10: 2 & ENG & [0 to 250 / 165 / 1deg/step] \\
\hline 033 & Shading Position Temp: COM10: 3 & ENG & [0 to 250 / 165 / 1deg/step] \\
\hline 034 & \begin{tabular}{l}
Shading Position Temp: \\
Postcard: 1
\end{tabular} & ENG & [0 to 250 / 165 / 1deg/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 035 & \begin{tabular}{l}
Shading Position Temp: \\
Postcard: 2
\end{tabular} & ENG & [0 to 250 / 165 / 1deg/step] \\
\hline 036 & \begin{tabular}{l}
Shading Position Temp: \\
Postcard: 3
\end{tabular} & ENG & [0 to 250 / 165 / 1deg/step] \\
\hline 037 & \begin{tabular}{l}
Shading Position Temp: \\
12inch: 4
\end{tabular} & ENG & [0 to 250 / 180 / 1deg/step] \\
\hline 038 & \begin{tabular}{l}
Shading Position Temp: \\
12inch: 5
\end{tabular} & ENG & [0 to 250 / 185 / 1deg/step] \\
\hline 039 & \begin{tabular}{l}
Shading Position Temp: \\
12inch: 6
\end{tabular} & ENG & [0 to 250 / 190 / 1deg/step] \\
\hline 040 & \begin{tabular}{l}
Shading Position Temp: \\
12inch: 7
\end{tabular} & ENG & [0 to 250 / 195 / 1deg/step] \\
\hline 041 & \begin{tabular}{l}
Shading Position Temp: \\
12inch: 8
\end{tabular} & ENG & [0 to 250 / 200 / 1deg/step] \\
\hline 042 & Shading Position Temp: A3: 4 & ENG & [0 to 250 / 180 / 1deg/step] \\
\hline 043 & Shading Position Temp: A3: 5 & ENG & [0 to 250 / 185 / 1deg/step] \\
\hline 044 & Shading Position Temp: A3: 6 & ENG & [0 to 250 / 190 / 1deg/step] \\
\hline 045 & Shading Position Temp: A3: 7 & ENG & [0 to 250 / 195 / 1deg/step] \\
\hline 046 & Shading Position Temp: A3: 8 & ENG & [0 to 250 / 200 / 1deg/step] \\
\hline 047 & \begin{tabular}{l}
Shading Position Temp: DLT: \\
4
\end{tabular} & ENG & [0 to 250 / 180 / 1deg/step] \\
\hline 048 & \begin{tabular}{l}
Shading Position Temp: DLT: \\
5
\end{tabular} & ENG & [0 to 250 / 185 / 1deg/step] \\
\hline 049 & \begin{tabular}{l}
Shading Position Temp: DLT: \\
6
\end{tabular} & ENG & [0 to 250 / 190 / 1deg/step] \\
\hline 050 & Shading Position Temp: DLT:
\[
7
\] & ENG & [0 to 250 / 195 / 1deg/step] \\
\hline 051 & \begin{tabular}{l}
Shading Position Temp: DLT: \\
8
\end{tabular} & ENG & [0 to 250 / 200 / 1deg/step] \\
\hline 052 & Shading Position Temp: B4: 4 & ENG & [ 0 to 250 / 180 / 1deg/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 053 & Shading Position Temp: B4: 5 & ENG & [0 to 250 / 185 / 1deg/step] \\
\hline 054 & Shading Position Temp: B4: 6 & ENG & [0 to 250 / 190 / 1deg/step] \\
\hline 055 & Shading Position Temp: B4: 7 & ENG & [0 to 250 / 195 / 1deg/step] \\
\hline 056 & Shading Position Temp: B4: 8 & ENG & [0 to 250 / 200 / 1deg/step] \\
\hline 057 & Shading Position Temp: LT: 4 & ENG & [0 to 250 / 250 / 1deg/step] \\
\hline 058 & Shading Position Temp: LT: 5 & ENG & [0 to 250 / 250 / 1deg/step] \\
\hline 059 & Shading Position Temp: LT: 6 & ENG & [0 to 250 / 250 / 1deg/step] \\
\hline 060 & Shading Position Temp: LT: 7 & ENG & [0 to 250 / 250 / 1deg/step] \\
\hline 061 & Shading Position Temp: LT: 8 & ENG & [0 to 250 / 250 / 1deg/step] \\
\hline 062 & Shading Position Temp: A4: 4 & ENG & [0 to 250 / 250 / 1deg/step] \\
\hline 063 & Shading Position Temp: A4: 5 & ENG & [0 to 250 / 250 / 1deg/step] \\
\hline 064 & Shading Position Temp: A4: 6 & ENG & [0 to 250 / 250 / 1deg/step] \\
\hline 065 & Shading Position Temp: A4: 7 & ENG & [0 to 250 / 250 / 1deg/step] \\
\hline 066 & Shading Position Temp: A4: 8 & ENG & [0 to 250 / 250 / 1deg/step] \\
\hline 067 & Shading Position Temp: B5: 4 & ENG & [0 to 250 / 250 / 1deg/step] \\
\hline 068 & Shading Position Temp: B5: 5 & ENG & [0 to 250 / 250 / 1deg/step] \\
\hline 069 & Shading Position Temp: B5: 6 & ENG & [0 to 250 / 250 / 1deg/step] \\
\hline 070 & Shading Position Temp: B5: 7 & ENG & [0 to 250 / 250 / 1deg/step] \\
\hline 071 & Shading Position Temp: B5: 8 & ENG & [0 to 250 / 250 / 1deg/step] \\
\hline 072 & Shading Position Temp: A5: 4 & ENG & [0 to 250 / 250 / 1deg/step] \\
\hline 073 & Shading Position Temp: A5: 5 & ENG & [0 to 250 / 250 / 1deg/step] \\
\hline 074 & Shading Position Temp: A5: 6 & ENG & [0 to 250 / 250 / 1deg/step] \\
\hline 075 & Shading Position Temp: A5: 7 & ENG & [0 to 250 / 250 / 1deg/step] \\
\hline 076 & Shading Position Temp: A5: 8 & ENG & [0 to 250 / 250 / 1deg/step] \\
\hline 077 & Shading Position Temp: B6: 4 & ENG & [0 to 250 / 165 / 1deg/step] \\
\hline 078 & Shading Position Temp: B6: 5 & ENG & [0 to 250 / 165 / 1deg/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 079 & Shading Position Temp: B6: 6 & ENG & [0 to 250 / 165 / 1deg/step] \\
\hline 080 & Shading Position Temp: B6: 7 & ENG & [0 to 250 / 165 / 1deg/step] \\
\hline 081 & Shading Position Temp: B6: 8 & ENG & [0 to 250 / 165 / 1deg/step] \\
\hline 082 & Shading Position Temp: DLEnv: 4 & ENG & [0 to 250 / 165 / 1deg/step] \\
\hline 083 & \begin{tabular}{l}
Shading Position Temp: \\
DLEnv: 5
\end{tabular} & ENG & [0 to 250 / 165 / 1deg/step] \\
\hline 084 & \begin{tabular}{l}
Shading Position Temp: \\
DLEnv: 6
\end{tabular} & ENG & [0 to 250 / 165 / 1deg/step] \\
\hline 085 & Shading Position Temp: DLEnv: 7 & ENG & [0 to 250 / 165 / 1deg/step] \\
\hline 086 & \begin{tabular}{l}
Shading Position Temp: \\
DLEnv: 8
\end{tabular} & ENG & [0 to 250 / 165 / 1deg/step] \\
\hline 087 & Shading Position Temp: COM10: 4 & ENG & [0 to 250 / 165 / 1deg/step] \\
\hline 088 & Shading Position Temp: COM10: 5 & ENG & [0 to 250 / 165 / 1deg/step] \\
\hline 089 & Shading Position Temp: COM10: 6 & ENG & [0 to 250 / 165 / 1deg/step] \\
\hline 090 & Shading Position Temp: COM10: 7 & ENG & [0 to 250 / 165 / 1deg/step] \\
\hline 091 & \begin{tabular}{l}
Shading Position Temp: \\
COM10: 8
\end{tabular} & ENG & [0 to 250 / 165 / 1deg/step] \\
\hline 092 & \begin{tabular}{l}
Shading Position Temp: \\
Postcard: 4
\end{tabular} & ENG & [0 to 250 / 165 / 1deg/step] \\
\hline 093 & \begin{tabular}{l}
Shading Position Temp: \\
Postcard: 5
\end{tabular} & ENG & [0 to 250 / 165 / 1deg/step] \\
\hline 094 & \begin{tabular}{l}
Shading Position Temp: \\
Postcard: 6
\end{tabular} & ENG & [0 to 250 / 165 / 1deg/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 095 & \begin{tabular}{l}
Shading Position Temp: \\
Postcard: 7
\end{tabular} & ENG & [0 to 250 / 165 / 1deg/step] \\
\hline 096 & \begin{tabular}{l}
Shading Position Temp: \\
Postcard: 8
\end{tabular} & ENG & [0 to 250 / 165 / 1deg/step] \\
\hline 121 & \begin{tabular}{l}
Shading Position Temp: \\
SRA3: 1
\end{tabular} & ENG & [0 to 250 / 250 / 1deg/step] \\
\hline 122 & \begin{tabular}{l}
Shading Position Temp: \\
SRA3: 2
\end{tabular} & ENG & [0 to 250 / 250 / 1deg/step] \\
\hline 123 & \begin{tabular}{l}
Shading Position Temp: \\
SRA3: 3
\end{tabular} & ENG & [0 to 250 / 250 / 1deg/step] \\
\hline 124 & \begin{tabular}{l}
Shading Position Temp: \\
SRA3: 4
\end{tabular} & ENG & [0 to 250 / 250 / 1deg/step] \\
\hline 125 & \begin{tabular}{l}
Shading Position Temp: \\
SRA3: 5
\end{tabular} & ENG & [0 to 250 / 250 / 1deg/step] \\
\hline 126 & \begin{tabular}{l}
Shading Position Temp: \\
SRA3: 6
\end{tabular} & ENG & [0 to 250 / 250 / 1deg/step] \\
\hline 127 & \begin{tabular}{l}
Shading Position Temp: \\
SRA3: 7
\end{tabular} & ENG & [0 to 250 / 250 / 1deg/step] \\
\hline 128 & \begin{tabular}{l}
Shading Position Temp: \\
SRA3: 8
\end{tabular} & ENG & [0 to 250 / 250 / 1deg/step] \\
\hline 201 & \begin{tabular}{l}
Shading Position Temp: \\
12inch: Clear
\end{tabular} & ENG & [0 to 250 / 0 / 1deg/step] \\
\hline 202 & Shading Position Temp: A3: Clear & ENG & [0 to 250 / 0 / 1deg/step] \\
\hline 203 & \begin{tabular}{l}
Shading Position Temp: DLT: \\
Clear
\end{tabular} & ENG & [0 to 250 / 0 / 1deg/step] \\
\hline 204 & Shading Position Temp: B4: Clear & ENG & [0 to 250 / 0 / 1deg/step] \\
\hline 205 & Shading Position Temp: LT: Clear & ENG & [0 to 250 / 0 / 1deg/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 206 & Shading Position Temp: A4: Clear & ENG & [0 to 250 / 0 / 1deg/step] \\
\hline 207 & Shading Position Temp: B5: Clear & ENG & [0 to 250 / 0 / 1deg/step] \\
\hline 208 & Shading Position Temp: A5: Clear & ENG & [0 to 250 / 0 / 1deg/step] \\
\hline 209 & Shading Position Temp: B6: Clear & ENG & [0 to 250 / 0 / 1deg/step] \\
\hline 210 & \begin{tabular}{l}
Shading Position Temp: \\
DLEnv: Clear
\end{tabular} & ENG & [0 to 250 / 0 / 1deg/step] \\
\hline 211 & \begin{tabular}{l}
Shading Position Temp: \\
COM10: Clear
\end{tabular} & ENG & [0 to 250 / 0 / 1deg/step] \\
\hline 212 & \begin{tabular}{l}
Shading Position Temp: \\
Postcard: Clear
\end{tabular} & ENG & [0 to 250 / 0 / 1deg/step] \\
\hline 213 & \begin{tabular}{l}
Shading Position Temp: \\
SRA3: Clear
\end{tabular} & ENG & [0 to 250 / 0 / 1deg/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 1163 & \multicolumn{3}{|l|}{[Shading Plate Control] DFU} \\
\hline 001 & \begin{tabular}{l}
Shading Position Time: \\
12inch: 1
\end{tabular} & ENG & [0 to 10000 / 14 / 1sec/step] \\
\hline 002 & \begin{tabular}{l}
Shading Position Time: \\
12inch: 2
\end{tabular} & ENG & [0 to 10000 / 27 / 1sec/step] \\
\hline 003 & \begin{tabular}{l}
Shading Position Time: \\
12inch: 3
\end{tabular} & ENG & [0 to 10000 / 53 / 1sec/step] \\
\hline 004 & Shading Position Time: A3: 1 & ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 005 & Shading Position Time: A3: 2 & ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 006 & Shading Position Time: A3: 3 & ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 007 & Shading Position Time: DLT: 1 & ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 008 & Shading Position Time: DLT: 2 & ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 009 & Shading Position Time: DLT: 3 & ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 010 & Shading Position Time: B4: 1 & ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 011 & Shading Position Time: B4: 2 & ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 012 & Shading Position Time: B4: 3 & ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 013 & Shading Position Time: LT: 1 & ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 014 & Shading Position Time: LT: 2 & ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 015 & Shading Position Time: LT: 3 & ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 016 & Shading Position Time: A4: 1 & ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 017 & Shading Position Time: A4: 2 & ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 018 & Shading Position Time: A4: 3 & ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 019 & Shading Position Time: B5: 1 & ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 020 & Shading Position Time: B5: 2 & ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 021 & Shading Position Time: B5: 3 & ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 022 & Shading Position Time: A5: 1 & ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 023 & Shading Position Time: A5: 2 & ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 024 & Shading Position Time: A5: 3 & ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 025 & Shading Position Time: B6: 1 & ENG & [0 to 10000 / 5 / 1sec/step] \\
\hline 026 & Shading Position Time: B6: 2 & ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 027 & Shading Position Time: B6: 3 & ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 028 & \begin{tabular}{l}
Shading Position Time: \\
DLEnv: 1
\end{tabular} & ENG & [0 to 10000 / 5 / 1sec/step] \\
\hline 029 & \begin{tabular}{l}
Shading Position Time: \\
DLEnv: 2
\end{tabular} & ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 030 & Shading Position Time: DLEnv: 3 & ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 031 & Shading Position Time: COM10: 1 & ENG & [0 to 10000 / 5 / 1sec/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 032 & Shading Position Time: COM10: 2 & ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 033 & Shading Position Time: COM10: 3 & ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 034 & \begin{tabular}{l}
Shading Position Time: \\
Postcard: 1
\end{tabular} & ENG & [0 to 10000 / 5 / 1sec/step] \\
\hline 035 & \begin{tabular}{l}
Shading Position Time: \\
Postcard: 2
\end{tabular} & ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 036 & \begin{tabular}{l}
Shading Position Time: \\
Postcard: 3
\end{tabular} & ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 037 & \begin{tabular}{l}
Shading Position Time: \\
12inch: 4
\end{tabular} & ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 038 & \begin{tabular}{l}
Shading Position Time: \\
12inch: 5
\end{tabular} & ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 039 & \begin{tabular}{l}
Shading Position Time: \\
12inch: 6
\end{tabular} & ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 040 & Shading Position Time: 12inch: 7 & ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 041 & \begin{tabular}{l}
Shading Position Time: \\
12inch: 8
\end{tabular} & ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 042 & Shading Position Time: A3: 4 & ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 043 & Shading Position Time: A3: 5 & ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 044 & Shading Position Time: A3: 6 & ENG & [0 to \(10000 / 10000 / 1 \mathrm{sec} /\) step] \\
\hline 045 & Shading Position Time: A3: 7 & ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 046 & Shading Position Time: A3: 8 & ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 047 & Shading Position Time: DLT: 4 & ENG & [0 to \(10000 / 10000 / 1 \mathrm{sec} / \mathrm{step}\) ] \\
\hline 048 & Shading Position Time: DLT: 5 & ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 049 & Shading Position Time: DLT: 6 & ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 050 & Shading Position Time: DLT: 7 & ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 051 & Shading Position Time: DLT: 8 & ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 052 & Shading Position Time: B4: 4 & ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 053 & Shading Position Time: B4: 5 & ENG & [0 to \(10000 / 10000 / 1 \mathrm{sec} /\) step] \\
\hline 054 & Shading Position Time: B4: 6 & ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 055 & Shading Position Time: B4: 7 & ENG & [0 to \(10000 / 10000 / 1 \mathrm{sec} /\) step] \\
\hline 056 & Shading Position Time: B4: 8 & ENG & [0 to \(10000 / 10000 / 1 \mathrm{sec} /\) step] \\
\hline 057 & Shading Position Time: LT: 4 & ENG & [0 to \(10000 / 10000 / 1 \mathrm{sec} /\) step] \\
\hline 058 & Shading Position Time: LT: 5 & ENG & [0 to \(10000 / 10000 / 1 \mathrm{sec} /\) step] \\
\hline 059 & Shading Position Time: LT: 6 & ENG & [0 to \(10000 / 10000 / 1 \mathrm{sec} /\) step] \\
\hline 060 & Shading Position Time: LT: 7 & ENG & [0 to \(10000 / 10000 / 1 \mathrm{sec} /\) step] \\
\hline 061 & Shading Position Time: LT: 8 & ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 062 & Shading Position Time: A4: 4 & ENG & [0 to \(10000 / 10000 / 1 \mathrm{sec} /\) step] \\
\hline 063 & Shading Position Time: A4: 5 & ENG & [0 to \(10000 / 10000 / 1 \mathrm{sec} /\) step] \\
\hline 064 & Shading Position Time: A4: 6 & ENG & [0 to \(10000 / 10000 / 1 \mathrm{sec} /\) step] \\
\hline 065 & Shading Position Time: A4: 7 & ENG & [0 to \(10000 / 10000 / 1 \mathrm{sec} /\) step] \\
\hline 066 & Shading Position Time: A4: 8 & ENG & [0 to \(10000 / 10000 / 1 \mathrm{sec} /\) step] \\
\hline 067 & Shading Position Time: B5: 4 & ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 068 & Shading Position Time: B5: 5 & ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 069 & Shading Position Time: B5: 6 & ENG & [0 to \(10000 / 10000 / 1 \mathrm{sec} /\) step] \\
\hline 070 & Shading Position Time: B5: 7 & ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 071 & Shading Position Time: B5: 8 & ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 072 & Shading Position Time: A5: 4 & ENG & [0 to \(10000 / 10000 / 1 \mathrm{sec} /\) step] \\
\hline 073 & Shading Position Time: A5: 5 & ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 074 & Shading Position Time: A5: 6 & ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 075 & Shading Position Time: A5: 7 & ENG & [0 to \(10000 / 10000 / 1 \mathrm{sec} /\) step] \\
\hline 076 & Shading Position Time: A5: 8 & ENG & [0 to \(10000 / 10000 / 1 \mathrm{sec} /\) step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 077 & Shading Position Time: B6: 4 & ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 078 & Shading Position Time: B6: 5 & ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 079 & Shading Position Time: B6: 6 & ENG & [0 to 10000 / \(\mathbf{1 0 0 0 0} / 1 \mathrm{sec} /\) step] \\
\hline 080 & Shading Position Time: B6: 7 & ENG & [0 to 10000 / \(\mathbf{1 0 0 0 0} / 1 \mathrm{sec} /\) step] \\
\hline 081 & Shading Position Time: B6: 8 & ENG & [0 to 10000 / \(\mathbf{1 0 0 0 0} / 1 \mathrm{sec} /\) step] \\
\hline 082 & \begin{tabular}{l}
Shading Position Time: \\
DLEnv: 4
\end{tabular} & ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 083 & \begin{tabular}{l}
Shading Position Time: \\
DLEnv: 5
\end{tabular} & ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 084 & \begin{tabular}{l}
Shading Position Time: \\
DLEnv: 6
\end{tabular} & ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 085 & Shading Position Time: DLEnv: 7 & ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 086 & \begin{tabular}{l}
Shading Position Time: \\
DLEnv: 8
\end{tabular} & ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 087 & \begin{tabular}{l}
Shading Position Time: \\
COM10: 4
\end{tabular} & ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 088 & Shading Position Time: COM10: 5 & ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 089 & Shading Position Time:
\[
\text { Сом10: } 6
\] & ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 090 & Shading Position Time: COM10: 7 & ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 091 & \begin{tabular}{l}
Shading Position Time: \\
COM10: 8
\end{tabular} & ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 092 & \begin{tabular}{l}
Shading Position Time: \\
Postcard: 4
\end{tabular} & ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 093 & \begin{tabular}{l}
Shading Position Time: \\
Postcard: 5
\end{tabular} & ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 094 & \begin{tabular}{l}
Shading Position Time: \\
Postcard: 6
\end{tabular} & ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 095 & \begin{tabular}{l}
Shading Position Time: \\
Postcard: 7
\end{tabular} & ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 096 & \begin{tabular}{l}
Shading Position Time: \\
Postcard: 8
\end{tabular} & ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 121 & Shading Position Time: SRA3:
\[
1
\] & ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 122 & \begin{tabular}{l}
Shading Position Time: SRA3: \\
2
\end{tabular} & ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 123 & \begin{tabular}{l}
Shading Position Time: SRA3: \\
3
\end{tabular} & ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 124 & \begin{tabular}{l}
Shading Position Time: SRA3: \\
4
\end{tabular} & ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 125 & \begin{tabular}{l}
Shading Position Time: SRA3: \\
5
\end{tabular} & ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 126 & \begin{tabular}{l}
Shading Position Time: SRA3: \\
6
\end{tabular} & ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 127 & Shading Position Time: SRA3: 7 & ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline 128 & \begin{tabular}{l}
Shading Position Time: SRA3: \\
8
\end{tabular} & ENG & [0 to 10000 / 10000 / 1sec/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 1164 & \multicolumn{3}{|l|}{[Shading Plate Control] DFU} \\
\hline 001 & Shading Position: 12inch: 1 & ENG & [0 to 1000 / 37 / 1pluse/step] \\
\hline 002 & Shading Position: 12inch: 2 & ENG & [0 to 1000 / 77 / 1pluse/step] \\
\hline 003 & Shading Position: 12inch: 3 & ENG & [0 to 1000 / 117 / 1pluse/step] \\
\hline 004 & Shading Position: A3: 1 & ENG & [0 to 1000 / 37 / 1pluse/step] \\
\hline 005 & Shading Position: A3: 2 & ENG & [0 to 1000 / 77 / 1pluse/step] \\
\hline 006 & Shading Position: A3: 3 & ENG & [0 to 1000 / 117 / 1pluse/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 007 & Shading Position: DLT: 1 & ENG & [0 to 1000 / 77 / 1pluse/step] \\
\hline 008 & Shading Position: DLT: 2 & ENG & [0 to 1000 / 127 / 1pluse/step] \\
\hline 009 & Shading Position: DLT: 3 & ENG & [0 to 1000 / 177 / 1pluse/step] \\
\hline 010 & Shading Position: B4: 1 & ENG & [0 to 1000 / 77 / 1pluse/step] \\
\hline 011 & Shading Position: B4: 2 & ENG & [0 to 1000 / 127 / 1pluse/step] \\
\hline 012 & Shading Position: B4: 3 & ENG & [0 to 1000 / 177 / 1pluse/step] \\
\hline 013 & Shading Position: LT: 1 & ENG & [0 to 1000 / 0 / 1pluse/step] \\
\hline 014 & Shading Position: LT: 2 & ENG & [0 to 1000 / 0 / 1pluse/step] \\
\hline 015 & Shading Position: LT: 3 & ENG & [0 to 1000 / 0 / 1pluse/step] \\
\hline 016 & Shading Position: A4: 1 & ENG & [0 to 1000 / 0 / 1pluse/step] \\
\hline 017 & Shading Position: A4: 2 & ENG & [0 to 1000 / 0 / 1pluse/step] \\
\hline 018 & Shading Position: A4: 3 & ENG & [0 to 1000 / 0 / 1pluse/step] \\
\hline 019 & Shading Position: B5: 1 & ENG & [0 to 1000 / 0 / 1pluse/step] \\
\hline 020 & Shading Position: B5: 2 & ENG & [0 to 1000 / 0 / 1pluse/step] \\
\hline 021 & Shading Position: B5: 3 & ENG & [0 to 1000 / 0 / 1pluse/step] \\
\hline 022 & Shading Position: A5: 1 & ENG & [0 to 1000 / 0 / 1pluse/step] \\
\hline 023 & Shading Position: A5: 2 & ENG & [0 to 1000 / 0 / 1pluse/step] \\
\hline 024 & Shading Position: A5: 3 & ENG & [0 to 1000 / 0 / 1pluse/step] \\
\hline 025 & Shading Position: B6: 1 & ENG & [0 to 1000 / 320 / 1pluse/step] \\
\hline 026 & Shading Position: B6: 2 & ENG & [0 to 1000 / 320 / 1pluse/step] \\
\hline 027 & Shading Position: B6: 3 & ENG & [0 to 1000 / 320 / 1pluse/step] \\
\hline 028 & Shading Position: DLEnv: 1 & ENG & [0 to 1000 / 320 / 1pluse/step] \\
\hline 029 & Shading Position: DLEnv: 2 & ENG & [0 to 1000 / 320 / 1pluse/step] \\
\hline 030 & Shading Position: DLEnv: 3 & ENG & [0 to 1000 / 320 / 1pluse/step] \\
\hline 031 & Shading Position: COM10: 1 & ENG & [0 to 1000 / 320 / 1pluse/step] \\
\hline 032 & Shading Position: COM10: 2 & ENG & [0 to 1000 / 320 / 1pluse/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 033 & Shading Position: COM10: 3 & ENG & [0 to 1000 / 320 / 1pluse/step] \\
\hline 034 & Shading Position: Postcard: 1 & ENG & [0 to 1000 / 320 / 1pluse/step] \\
\hline 035 & Shading Position: Postcard: 2 & ENG & [0 to 1000 / 320 / 1pluse/step] \\
\hline 036 & Shading Position: Postcard: 3 & ENG & [0 to 1000 / 320 / 1pluse/step] \\
\hline 037 & Shading Position: 12inch: 4 & ENG & [0 to 1000 / 157 / 1pluse/step] \\
\hline 038 & Shading Position: 12inch: 5 & ENG & [0 to 1000 / 177 / 1pluse/step] \\
\hline 039 & Shading Position: 12inch: 6 & ENG & [0 to 1000 / 177 / 1pluse/step] \\
\hline 040 & Shading Position: 12inch: 7 & ENG & [0 to 1000 / 177 / 1pluse/step] \\
\hline 041 & Shading Position: 12inch: 8 & ENG & [0 to 1000 / 177 / 1pluse/step] \\
\hline 042 & Shading Position: A3: 4 & ENG & [0 to 1000 / 157 / 1pluse/step] \\
\hline 043 & Shading Position: A3: 5 & ENG & [0 to 1000 / 177 / 1pluse/step] \\
\hline 044 & Shading Position: A3: 6 & ENG & [0 to 1000 / 177 / 1pluse/step] \\
\hline 045 & Shading Position: A3: 7 & ENG & [0 to 1000 / 177 / 1pluse/step] \\
\hline 046 & Shading Position: A3: 8 & ENG & [0 to 1000 / 177 / 1pluse/step] \\
\hline 047 & Shading Position: DLT: 4 & ENG & [0 to 1000 / 177 / 1pluse/step] \\
\hline 048 & Shading Position: DLT: 5 & ENG & [0 to 1000 / 177 / 1pluse/step] \\
\hline 049 & Shading Position: DLT: 6 & ENG & [0 to 1000 / 177 / 1pluse/step] \\
\hline 050 & Shading Position: DLT: 7 & ENG & [0 to 1000 / 177 / 1pluse/step] \\
\hline 051 & Shading Position: DLT: 8 & ENG & [0 to 1000 / 177 / 1pluse/step] \\
\hline 052 & Shading Position: B4: 4 & ENG & [0 to 1000 / 177 / 1pluse/step] \\
\hline 053 & Shading Position: B4: 5 & ENG & [0 to 1000 / 177 / 1pluse/step] \\
\hline 054 & Shading Position: B4: 6 & ENG & [0 to 1000 / 177 / 1pluse/step] \\
\hline 055 & Shading Position: B4: 7 & ENG & [0 to 1000 / 177 / 1pluse/step] \\
\hline 056 & Shading Position: B4: 8 & ENG & [0 to 1000 / 177 / 1pluse/step] \\
\hline 057 & Shading Position: LT: 4 & ENG & [0 to 1000 / 0 / 1pluse/step] \\
\hline 058 & Shading Position: LT: 5 & ENG & [0 to 1000 / 0 / 1pluse/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 059 & Shading Position: LT: 6 & ENG & [0 to 1000 / 0 / 1pluse/step] \\
\hline 060 & Shading Position: LT: 7 & ENG & [0 to 1000 / 0 / 1pluse/step] \\
\hline 061 & Shading Position: LT: 8 & ENG & [0 to 1000 / 0 / 1pluse/step] \\
\hline 062 & Shading Position: A4: 4 & ENG & [0 to 1000 / 0 / 1pluse/step] \\
\hline 063 & Shading Position: A4: 5 & ENG & [0 to 1000 / 0 / 1pluse/step] \\
\hline 064 & Shading Position: A4: 6 & ENG & [0 to 1000 / 0 / 1pluse/step] \\
\hline 065 & Shading Position: A4: 7 & ENG & [0 to 1000 / 0 / 1pluse/step] \\
\hline 066 & Shading Position: A4: 8 & ENG & [0 to 1000 / 0 / 1pluse/step] \\
\hline 067 & Shading Position: B5: 4 & ENG & [0 to 1000 / 0 / 1pluse/step] \\
\hline 068 & Shading Position: B5: 5 & ENG & [0 to 1000 / 0 / 1pluse/step] \\
\hline 069 & Shading Position: B5: 6 & ENG & [0 to 1000 / 0 / 1pluse/step] \\
\hline 070 & Shading Position: B5: 7 & ENG & [0 to 1000 / 0 / 1pluse/step] \\
\hline 071 & Shading Position: B5: 8 & ENG & [0 to 1000 / 0 / 1pluse/step] \\
\hline 072 & Shading Position: A5: 4 & ENG & [0 to 1000 / 0 / 1pluse/step] \\
\hline 073 & Shading Position: A5: 5 & ENG & [0 to 1000 / 0 / 1pluse/step] \\
\hline 074 & Shading Position: A5: 6 & ENG & [0 to 1000 / 0 / 1pluse/step] \\
\hline 075 & Shading Position: A5: 7 & ENG & [0 to 1000 / 0 / 1pluse/step] \\
\hline 076 & Shading Position: A5: 8 & ENG & [0 to 1000 / 0 / 1pluse/step] \\
\hline 077 & Shading Position: B6: 4 & ENG & [0 to 1000 / 320 / 1pluse/step] \\
\hline 078 & Shading Position: B6: 5 & ENG & [0 to 1000 / 320 / 1pluse/step] \\
\hline 079 & Shading Position: B6: 6 & ENG & [0 to 1000 / 320 / 1pluse/step] \\
\hline 080 & Shading Position: B6: 7 & ENG & [0 to 1000 / 320 / 1pluse/step] \\
\hline 081 & Shading Position: B6: 8 & ENG & [0 to 1000/320 / 1pluse/step] \\
\hline 082 & Shading Position: DLEnv: 4 & ENG & [0 to 1000 / 320 / 1pluse/step] \\
\hline 083 & Shading Position: DLEnv: 5 & ENG & [0 to 1000 / 320 / 1pluse/step] \\
\hline 084 & Shading Position: DLEnv: 6 & ENG & [0 to 1000 / 320 / 1pluse/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 085 & Shading Position: DLEnv: 7 & ENG & [0 to 1000 / 320 / 1pluse/step] \\
\hline 086 & Shading Position: DLEnv: 8 & ENG & [0 to 1000 / 320 / 1pluse/step] \\
\hline 087 & Shading Position: COM10: 4 & ENG & [0 to 1000 / 320 / 1pluse/step] \\
\hline 088 & Shading Position: COM10: 5 & ENG & [0 to 1000 / 320 / 1pluse/step] \\
\hline 089 & Shading Position: COM10: 6 & ENG & [0 to 1000 / 320 / 1pluse/step] \\
\hline 090 & Shading Position: COM10: 7 & ENG & [0 to 1000 / 320 / 1pluse/step] \\
\hline 091 & Shading Position: COM10: 8 & ENG & [0 to 1000 / 320 / 1pluse/step] \\
\hline 092 & Shading Position: Postcard: 4 & ENG & [0 to 1000 / 320 / 1pluse/step] \\
\hline 093 & Shading Position: Postcard: 5 & ENG & [0 to 1000 / 320 / 1pluse/step] \\
\hline 094 & Shading Position: Postcard: 6 & ENG & [0 to 1000 / 320 / 1pluse/step] \\
\hline 095 & Shading Position: Postcard: 7 & ENG & [0 to 1000 / 320 / 1pluse/step] \\
\hline 096 & Shading Position: Postcard: 8 & ENG & [0 to 1000 / 320 / 1pluse/step] \\
\hline 121 & Shading Position: SRA3: 1 & ENG & [0 to 1000 / 0 / 1pluse/step] \\
\hline 122 & Shading Position: SRA3: 2 & ENG & [0 to 1000 / 0 / 1pluse/step] \\
\hline 123 & Shading Position: SRA3: 3 & ENG & [0 to 1000 / 0 / 1pluse/step] \\
\hline 124 & Shading Position: SRA3: 4 & ENG & [0 to 1000 / 0 / 1pluse/step] \\
\hline 125 & Shading Position: SRA3: 5 & ENG & [0 to 1000 / 0 / 1pluse/step] \\
\hline 126 & Shading Position: SRA3: 6 & ENG & [0 to 1000 / 0 / 1pluse/step] \\
\hline 127 & Shading Position: SRA3: 7 & ENG & [0 to 1000 / 0 / 1pluse/step] \\
\hline 128 & Shading Position: SRA3: 8 & ENG & [0 to 1000 / 0 / 1pluse/step] \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline 1165 & \multicolumn{3}{|l|}{ [Shading Plate Control] DFU } \\
\hline 001 & - & *ENG & \begin{tabular}{l} 
[0 or \(1 / 0 / 1 /\) step \(]\) \\
\(0: ~ O N\) \\
\(1: ~ O F F ~\)
\end{tabular} \\
\hline 101 & Continuous Error Times & *ENG & {\([0\) to \(3 / 0 / 1 /\) step \(]\)} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 1166 & \multicolumn{3}{|l|}{[MBD-CPM Down Setting] DFU} \\
\hline 001 & Judging Method Change & *ENG & \begin{tabular}{l}
[ 0 to \(3 / 0 / 1 /\) step] \\
0 : All Off \\
1: CPM Down:On \\
2: Job End Rotation:On \\
3: All On
\end{tabular} \\
\hline 002 & Output Correction:MBD & *ENG & [80 to 120 / 100 / 1\%/step] \\
\hline 003 & Power Rate Control:MBD & *ENG & [0 to 100 / 89 / 1\%/step] \\
\hline 004 & Press Reference Temp.:MBD & *ENG & [0 to 250 / 85 / 1deg/step] \\
\hline 005 & Calculation Cycle:MBD & *ENG & [1 to 5 / 1 (NA, TW), 2 (EU, AS, CHN, KOR) / 1sec/step] \\
\hline 006 & Correction Coefficient 1:MBD & *ENG & [0 to 99 / 14 / 1/step] \\
\hline 007 & Correction Coefficient 2:MBD & *ENG & [0 to 99 / 83 / 1/step] \\
\hline 008 & Correction Coefficient 3:MBD & *ENG & [0 to 99 / 8 / 1/step] \\
\hline 009 & Correction Coefficient 4:MBD & *ENG & [0 to 99 / 28 / 1/step] \\
\hline 010 & Correction Coefficient 5:MBD & *ENG & [0 to 99 / 83 / 1/step] \\
\hline 011 & Correction Coefficient 6:MBD & *ENG & [0 to 99 / 17 / 1/step] \\
\hline 021 & Judgement Temp:MBD & *ENG & [0 to 500 / 270 / 1deg/step] \\
\hline 022 & Cooling Time Set:MBD & *ENG & [0 to 99 / 10 / 1sec/step] \\
\hline 031 & 1st CPM Down Temp.:MBD & *ENG & [0 to 500 / 320 / 1deg/step] \\
\hline 032 & 2nd CPM Down Temp.:MBD & *ENG & [0 to 500 / 330 / 1deg/step] \\
\hline 033 & 3rd CPM Down Temp.:MBD & *ENG & [0 to 500 / \(350 / 1 \mathrm{deg} / \mathrm{step}\) ] \\
\hline 034 & 1st CPM:MBD & *ENG & [0 to 100 / 85 / 1\%/step] \\
\hline 035 & 2nd CPM:MBD & *ENG & [0 to 100 / 75 / 1\%/step] \\
\hline 036 & 3rd CPM:MBD & *ENG & [0 to 100 / 50 / 1\%/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline & \multicolumn{3}{|l|}{[Dbl-Feed Detect]} \\
\hline 001 & Tray1 & ENG & \multirow{6}{*}{\[
\begin{aligned}
& {[0 \text { or } 1 / 1 / 1 / \text { step }]} \\
& 0: \text { OFF } \\
& 1: \text { ON }
\end{aligned}
\]} \\
\hline 002 & Tray2 & ENG & \\
\hline 003 & Tray3 & ENG & \\
\hline 004 & Tray4 & ENG & \\
\hline 005 & LCT & ENG & \\
\hline 006 & Bypass Tray & ENG & \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline 1306 & \multicolumn{3}{|l|}{\begin{tabular}{l} 
[Paper Thickness Sensor Cal] \\
- \\
\hline 001
\end{tabular}} \\
\hline & Ave & *ENG & {\([-2000\) to \(2000 / 0 / 1 \mathrm{um}]\)} \\
\hline 002 & Max & *ENG & {\([-2000\) to \(2000 / 0 / 1 \mathrm{um}]\)} \\
\hline 003 & Min & *ENG & {\([-2000\) to \(2000 / 0 / 1 \mathrm{um}]\)} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline 1311 & \multicolumn{3}{|l|}{\begin{tabular}{l} 
[Paper Thikness Error Times \(]\) \\
-
\end{tabular}} \\
\hline 001 & Tray1 & ENG & {\([0\) to \(65535 / 0 / 1 /\) step \(]\)} \\
\hline 002 & Tray2 & ENG & {\([0\) to \(65535 / 0 / 1 /\) step \(]\)} \\
\hline 003 & Tray3 & {\([0\) to \(65535 / 0 / 1 /\) step \(]\)} \\
\hline 004 & Tray4 & ENG & {\([0\) to \(65535 / 0 / 1 /\) step \(]\)} \\
\hline 005 & LCT & ENG & {\([0\) to \(65535 / 0 / 1 /\) step \(]\)} \\
\hline 006 & Bypass Tray & {\([0\) to \(65535 / 0 / 1 /\) step \(]\)} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline 1313 & \multicolumn{2}{|l|}{\begin{tabular}{rl} 
[Paper Thikness Detect] \\
- & \\
001 & ON/OFF
\end{tabular} ENG \begin{tabular}{l}
{\(\left[\begin{array}{l}0 \text { or } 1 / 1 / 0] \\
0: \text { OFF } \\
1: \text { ON }\end{array}\right.\)} \\
\hline
\end{tabular}}
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 1801 & \multicolumn{3}{|l|}{\begin{tabular}{l}
[Relay Motor Speed Adjust] \\
Setting for resolution of paper thickness sensor. (* No need to change)
\end{tabular}} \\
\hline \multirow[b]{2}{*}{001} & Feed CCW:Plain:Low & *ENG & [-2.0 to 2.0 / 0.9 / 0.1\%/step] \\
\hline & \multicolumn{3}{|l|}{Prevent shock jitter by adjusting sub scan scale, scale error rate declination, image position accuracy improve. Reflects adjusted value is \(73 \mathrm{~mm} / \mathrm{s}, 1200 \mathrm{dpi}\) mode} \\
\hline \multirow[b]{2}{*}{002} & Feed CCW:Plain:Std & *ENG & [-2.0 to 2.0 / 0.9 / 0.1\%/step] \\
\hline & \multicolumn{3}{|l|}{Prevent shock jitter by adjusting sub scan scale, scale error rate declination, image position accuracy improve. Reflect adjusted value is \(146 \mathrm{~mm} / \mathrm{s}\)} \\
\hline \multirow[b]{2}{*}{003} & Feed CCW:Mid-thick:Std & *ENG & [-2.0 to 2.0 / 1.1 / 0.1\%/step] \\
\hline & \multicolumn{3}{|l|}{Prevent shock jitter by adjusting sub scan scale, scale error rate declination, image position accuracy improve. Reflect adjusted value is \(146 \mathrm{~mm} / \mathrm{s}\)} \\
\hline \multirow[b]{2}{*}{004} & Feed CCW:Thick 1:Low & *ENG & [-2.0 to 2.0 / 1.2 / 0.1\%/step] \\
\hline & \multicolumn{3}{|l|}{Prevent shock jitter by adjusting sub scan scale, scale error rate declination, image position accuracy improve. Reflect adjusted value is \(73 \mathrm{~mm} / \mathrm{s}\)} \\
\hline \multirow[b]{2}{*}{005} & Feed CCW:Thick 1:Mid & *ENG & [-2.0 to 2.0 / 1.2 / 0.1\%/step] \\
\hline & \multicolumn{3}{|l|}{Prevent shock jitter by adjusting sub scan scale, scale error rate declination, image position accuracy improve.} \\
\hline \multirow[b]{2}{*}{006} & Feed CCW:Thick 2:Low & *ENG & [-2.0 to 2.0 / 1.2 / 0.1\%/step] \\
\hline & \multicolumn{3}{|l|}{Prevent shock jitter by adjusting sub scan scale, scale error rate declination, image position accuracy improve. Reflect adjusted value is \(73 \mathrm{~mm} / \mathrm{s}\)} \\
\hline 007 & Feed CCW:Thick 3:Low & *ENG & [-2.0 to 2.0 / 0.9 / 0.1\%/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline & Prevent shock jitter by a image position accuracy & \begin{tabular}{l}
sub scan \\
Reflec
\end{tabular} & scale, scale error rate declination, adjusted value is \(73 \mathrm{~mm} / \mathrm{s}\) \\
\hline \multirow[b]{2}{*}{008} & Feed CCW:Thick 4:Low & *ENG & [-2.0 to 2.0 / 0.9 / 0.1\%/step] \\
\hline & \multicolumn{3}{|l|}{Prevent shock jitter by adjusting sub scan scale, scale error rate declination, image position accuracy improve. Reflect adjusted value is \(73 \mathrm{~mm} / \mathrm{s}\)} \\
\hline \multirow[b]{2}{*}{009} & Feed CW:Plain:Low & *ENG & [-2.0 to 2.0 / 0.9 / 0.1\%/step] \\
\hline & \multicolumn{3}{|l|}{Prevent shock jitter by adjusting sub scan scale, scale error rate declination, image position accuracy improve. Reflects adjusted value is \(73 \mathrm{~mm} / \mathrm{s}\), and 1200dpi mode} \\
\hline \multirow[b]{2}{*}{010} & Feed CW:Plain:Std & *ENG & [-2.0 to 2.0 / 0.9 / 0.1\%/step] \\
\hline & \multicolumn{3}{|l|}{Prevent shock jitter by adjusting sub scan scale, scale error rate declination, image position accuracy improve. Reflect adjusted value is \(146 \mathrm{~mm} / \mathrm{s}\)} \\
\hline \multirow[b]{2}{*}{011} & Feed CW:Mid-thick:Std & *ENG & [-2.0 to 2.0 / 1.1 / 0.1\%/step] \\
\hline & \multicolumn{3}{|l|}{Prevent shock jitter by adjusting sub scan scale, scale error rate declination, image position accuracy improve. Reflect adjusted value is \(146 \mathrm{~mm} / \mathrm{s}\)} \\
\hline \multirow[b]{2}{*}{012} & Feed CW:Thick 1:Low & *ENG & [-2.0 to 2.0 / 1.2 / 0.1\%/step] \\
\hline & \multicolumn{3}{|l|}{Prevent shock jitter by adjusting sub scan scale, scale error rate declination, image position accuracy improve. Reflect adjusted value is \(73 \mathrm{~mm} / \mathrm{s}\)} \\
\hline \multirow[b]{2}{*}{013} & Feed CW:Thick 1:Mid & *ENG & [-2.0 to 2.0 / 1.2 / 0.1\%/step] \\
\hline & \multicolumn{3}{|l|}{Prevent shock jitter by adjusting sub scan scale, scale error rate declination, image position accuracy improve.} \\
\hline \multirow[b]{2}{*}{014} & Feed CW:Thick 2:Low & *ENG & [-2.0 to 2.0 / 1.2 / 0.1\%/step] \\
\hline & \multicolumn{3}{|l|}{Prevent shock jitter by adjusting sub scan scale, scale error rate declination, image position accuracy improve. Reflect adjusted value is \(73 \mathrm{~mm} / \mathrm{s}\)} \\
\hline \multirow[b]{2}{*}{015} & Feed CW:Thick 3:Low & *ENG & [-2.0 to 2.0 / 0.9 / 0.1\%/step] \\
\hline & \multicolumn{3}{|l|}{Prevent shock jitter by adjusting sub scan scale, scale error rate declination, image position accuracy improve. Reflect adjusted value is \(73 \mathrm{~mm} / \mathrm{s}\)} \\
\hline 016 & Feed CW:Thick 4:Low & *ENG & [-2.0 to 2.0 / 0.9 / 0.1\%/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline & Prevent shock jitter by adjus image position accuracy im & sub sca Refle & scale, scale error rate declination, adjusted value is \(73 \mathrm{~mm} / \mathrm{s}\) \\
\hline \multirow[b]{2}{*}{017} & Vertical Feed:Plain:Low & *ENG & [-2.0 to 2.0 / 0.9 / 0.1\%/step] \\
\hline & \multicolumn{3}{|l|}{Prevent shock jitter by adjusting sub scan scale, scale error rate declination, image position accuracy improve. Reflects adjusted value is \(73 \mathrm{~mm} / \mathrm{s}, 1200 \mathrm{dpi}\) mode} \\
\hline \multirow[b]{2}{*}{018} & Vertical Feed:Plain:Std & *ENG & [-2.0 to 2.0 / 0.9 / 0.1\%/step] \\
\hline & \multicolumn{3}{|l|}{Prevent shock jitter by adjusting sub scan scale, scale error rate declination, image position accuracy improve. Reflect adjusted value \(146 \mathrm{~mm} / \mathrm{s}\)} \\
\hline \multirow[b]{2}{*}{019} & Vertical Feed:Mid-thick:Std & *ENG & [-2.0 to 2.0 / 1.1 / 0.1\%/step] \\
\hline & \multicolumn{3}{|l|}{Prevent shock jitter by adjusting sub scan scale, scale error rate declination, image position accuracy improve. Reflect adjusted value \(146 \mathrm{~mm} / \mathrm{s}\)} \\
\hline \multirow[b]{2}{*}{020} & Vertical Feed:Thick 1:Low & *ENG & [-2.0 to 2.0 / 1.2 / 0.1\%/step] \\
\hline & \multicolumn{3}{|l|}{Prevent shock jitter by adjusting sub scan scale, scale error rate declination, image position accuracy improve. Reflect adjusted value \(73 \mathrm{~mm} / \mathrm{s}\)} \\
\hline \multirow[b]{2}{*}{021} & Vertical Feed:Thick 1:Mid & *ENG & [-2.0 to 2.0 / 1.2 / 0.1\%/step] \\
\hline & \multicolumn{3}{|l|}{Prevent shock jitter by adjusting sub scan scale, scale error rate declination, image position accuracy improve.} \\
\hline \multirow[b]{2}{*}{022} & Vertical Feed:Thick 2:Low & *ENG & [-2.0 to 2.0 / 1.2 / 0.1\%/step] \\
\hline & \multicolumn{3}{|l|}{Prevent shock jitter by adjusting sub scan scale, scale error rate declination, image position accuracy improve. Reflect adjusted value \(73 \mathrm{~mm} / \mathrm{s}\)} \\
\hline \multirow[b]{2}{*}{023} & Vertical Feed:Thick 3:Low & *ENG & [-2.0 to 2.0 / 0.9 / 0.1\%/step] \\
\hline & \multicolumn{3}{|l|}{Prevent shock jitter by adjusting sub scan scale, scale error rate declination, image position accuracy improve. Reflect adjusted value \(73 \mathrm{~mm} / \mathrm{s}\)} \\
\hline \multirow[b]{2}{*}{024} & Vertical Feed:Thick 4:Low & *ENG & [-2.0 to 2.0 / 0.9 / 0.1\%/step] \\
\hline & \multicolumn{3}{|l|}{Prevent shock jitter by adjusting sub scan scale, scale error rate declination, image position accuracy improve. Reflect adjusted value \(73 \mathrm{~mm} / \mathrm{s}\)} \\
\hline 025 & Registration:Plain:Low & *ENG & [-2.0 to 2.0 / 0.3 / 0.1\%/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline & \multicolumn{3}{|l|}{Prevent shock jitter by adjusting sub scan scale, scale error rate declination, image position accuracy improve. Reflects adjusted value is \(73 \mathrm{~mm} / \mathrm{s}\), 1200dpi mode} \\
\hline \multirow[b]{2}{*}{026} & Registration:Plain:Std & *ENG & [-2.0 to 2.0 / 0.3 / 0.1\%/step] \\
\hline & \multicolumn{3}{|l|}{Prevent shock jitter by adjusting sub scan scale, scale error rate declination, image position accuracy improve. Reflect adjusted value is \(146 \mathrm{~mm} / \mathrm{s}\)} \\
\hline \multirow[b]{2}{*}{027} & Registration:Mid-thick:Std & *ENG & [-2.0 to 2.0 / 0.3 / 0.1\%/step] \\
\hline & \multicolumn{3}{|l|}{Prevent shock jitter by adjusting sub scan scale, scale error rate declination, image position accuracy improve. Reflect adjusted value is \(146 \mathrm{~mm} / \mathrm{s}\)} \\
\hline \multirow[b]{2}{*}{028} & Registration:Thick 1:Low & *ENG & [-2.0 to 2.0 / 0.4 / 0.1\%/step] \\
\hline & \multicolumn{3}{|l|}{Prevent shock jitter by adjusting sub scan scale, scale error rate declination, image position accuracy improve. Reflect adjusted value is \(73 \mathrm{~mm} / \mathrm{s}\)} \\
\hline \multirow[b]{2}{*}{029} & Registration:Thick1:Mid & *ENG & [-2.0 to 2.0 / 0.4 / 0.1\%/step] \\
\hline & \multicolumn{3}{|l|}{Prevent shock jitter by adjusting sub scan scale, scale error rate declination, image position accuracy improve.} \\
\hline \multirow[b]{2}{*}{030} & Registration:Thick 2:Low & *ENG & [-2.0 to 2.0 / 0.4 / 0.1\%/step] \\
\hline & \multicolumn{3}{|l|}{Prevent shock jitter by adjusting sub scan scale, scale error rate declination, image position accuracy improve. Reflect adjusted value is \(73 \mathrm{~mm} / \mathrm{s}\)} \\
\hline \multirow[b]{2}{*}{031} & Registration:Thick 3:Low & *ENG & [-2.0 to 2.0 / 0.3 / 0.1\%/step] \\
\hline & \multicolumn{3}{|l|}{Prevent shock jitter by adjusting sub scan scale, scale error rate declination, image position accuracy improve. Reflect adjusted value is \(73 \mathrm{~mm} / \mathrm{s}\)} \\
\hline \multirow[b]{2}{*}{032} & Registration:Thick 4:Low & *ENG & [-2.0 to 2.0 / 0.3 / 0.1\%/step] \\
\hline & \multicolumn{3}{|l|}{Prevent shock jitter by adjusting sub scan scale, scale error rate declination, image position accuracy improve. Reflect adjusted value is \(73 \mathrm{~mm} / \mathrm{s}\)} \\
\hline \multirow[b]{2}{*}{033} & Exit CCW:Plain:Low & *ENG & [-4.0 to 4.0 / -0.8 / 0.1\%/step] \\
\hline & \multicolumn{3}{|l|}{Prevents coat strips, waving, image sore. Reflect adjusted value is \(73 \mathrm{~mm} / \mathrm{s}\), and 1200dpi mode} \\
\hline \multirow{2}{*}{034} & Exit CCW:Plain:Std & *ENG & [-4.0 to 4.0 / -0.8 / 0.1\%/step] \\
\hline & \multicolumn{3}{|l|}{Prevents coat strips, waving, image sore. Reflect adjusted value is \(146 \mathrm{~mm} / \mathrm{s}\)} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{035} & Exit CCW:Mid-thick:Std & *ENG & [-4.0 to 4.0 / -0.8 / 0.1\%/step] \\
\hline & \multicolumn{3}{|l|}{Prevents coat strips, waving, image sore. Reflect adjusted value is \(146 \mathrm{~mm} / \mathrm{s}\)} \\
\hline \multirow{2}{*}{036} & Exit CCW:Thick1:Low & *ENG & [-4.0 to 4.0 / -0.8 / 0.1\%/step] \\
\hline & \multicolumn{3}{|l|}{Prevents coat strips, waving, image sore. Reflect adjusted value is \(73 \mathrm{~mm} / \mathrm{s}\)} \\
\hline \multirow{2}{*}{037} & Exit CCW:Thick1:Mid & *ENG & [-4.0 to 4.0 / -0.6 / 0.1\%/step] \\
\hline & \multicolumn{3}{|l|}{Prevents coat strips, waving, image sore.} \\
\hline \multirow{2}{*}{038} & Exit CCW:Thick2:Low & *ENG & [-4.0 to 4.0 / -0.9 / 0.1\%/step] \\
\hline & \multicolumn{3}{|l|}{Prevents coat strips, waving, image sore. Reflect adjusted value is \(73 \mathrm{~mm} / \mathrm{s}\)} \\
\hline \multirow{2}{*}{039} & Exit CCW:Thick3:Low & *ENG & [-4.0 to 4.0 / -0.9 / 0.1\%/step] \\
\hline & \multicolumn{3}{|l|}{Prevents coat strips, waving, image sore. Reflect adjusted value is \(73 \mathrm{~mm} / \mathrm{s}\)} \\
\hline \multirow{2}{*}{040} & Exit CCW:Thick4:Low & *ENG & [-4.0 to 4.0 / -0.9 / 0.1\%/step] \\
\hline & \multicolumn{3}{|l|}{Prevents coat strips, waving, image sore. Reflect adjusted value is \(73 \mathrm{~mm} / \mathrm{s}\)} \\
\hline \multirow[b]{2}{*}{04} & Reverse CW:Plain:Low & *ENG & [-4.0 to 4.0 / 0.7 / 0.1\%/step] \\
\hline & \multicolumn{3}{|l|}{Prevents coat strips, waving, image sore. Reflects adjusted value is \(73 \mathrm{~mm} / \mathrm{s}\), and 1200dpi mode} \\
\hline \multirow{2}{*}{042} & Reverse CW:Plain:Std & *ENG & [-4.0 to 4.0 / \(0.7 / 0.1 \% /\) step] \\
\hline & \multicolumn{3}{|l|}{Prevents coat strips, waving, image sore. Reflect adjusted value is \(146 \mathrm{~mm} / \mathrm{s}\)} \\
\hline \multirow{2}{*}{043} & Reverse CW:Mid-thick:Std & *ENG & [-4.0 to 4.0 / 0.5 / 0.1\%/step] \\
\hline & \multicolumn{3}{|l|}{Prevents coat strips, waving, image sore. Reflect adjusted value is \(146 \mathrm{~mm} / \mathrm{s}\)} \\
\hline \multirow{2}{*}{044} & Reverse CW:Thick1:Low & *ENG & [-4.0 to 4.0 / \(0.7 / 0.1 \% /\) step] \\
\hline & \multicolumn{3}{|l|}{Prevents coat strips, waving, image sore. Reflect adjusted value is \(73 \mathrm{~mm} / \mathrm{s}\)} \\
\hline \multirow{2}{*}{045} & Reverse CW:Thick1:Mid & *ENG & [-4.0 to 4.0 / \(0.7 / 0.1 \% /\) step] \\
\hline & \multicolumn{3}{|l|}{Prevents coat strips, waving, image sore.} \\
\hline \multirow{2}{*}{046} & Reverse CW:Thick2:Low & *ENG & [-4.0 to 4.0 / 0.8 / 0.1\%/step] \\
\hline & \multicolumn{3}{|l|}{Prevents coat strips, waving, image sore. Reflect adjusted value is \(73 \mathrm{~mm} / \mathrm{s}\)} \\
\hline 047 & Reverse CW:Thick3:Low & *ENG & [-4.0 to 4.0 / 0.7 / 0.1\%/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline & Prevents coat strips, waving, & ge sore & Reflect adjusted value is \(73 \mathrm{~mm} / \mathrm{s}\) \\
\hline \multirow{2}{*}{048} & Reverse CW:Thick4:Low & *ENG & [-4.0 to 4.0 / 0.7 / 0.1\%/step] \\
\hline & \multicolumn{3}{|l|}{Prevents coat strips, waving, image sore. Reflect adjusted value is \(73 \mathrm{~mm} / \mathrm{s}\)} \\
\hline \multirow[b]{2}{*}{049} & Reverse CCW:Plain:Low & *ENG & [-4.0 to 4.0 / -0.8 / 0.1\%/step] \\
\hline & \multicolumn{3}{|l|}{Prevents coat strips, waving, image sore. Reflects adjusted value is \(73 \mathrm{~mm} / \mathrm{s}\), and 1200dpi mode} \\
\hline \multirow{2}{*}{050} & Reverse CCW:Plain:Std & *ENG & [-4.0 to 4.0 / -0.8 / 0.1\%/step] \\
\hline & \multicolumn{3}{|l|}{Prevents coat strips, waving, image sore. Reflect adjusted value is \(146 \mathrm{~mm} / \mathrm{s}\)} \\
\hline \multirow{2}{*}{051} & Reverse CCW:Mid-thick:Std & *ENG & [-4.0 to 4.0 / -0.8 / 0.1\%/step] \\
\hline & \multicolumn{3}{|l|}{Prevents coat strips, waving, image sore. Reflect adjusted value is \(146 \mathrm{~mm} / \mathrm{s}\)} \\
\hline \multirow{2}{*}{052} & Reverse CCW:Thick1:Low & *ENG & [-4.0 to 4.0 / -0.8 / 0.1\%/step] \\
\hline & \multicolumn{3}{|l|}{Prevents coat strips, waving, image sore. Reflect adjusted value is \(73 \mathrm{~mm} / \mathrm{s}\)} \\
\hline \multirow{2}{*}{053} & Reverse CCW:Thick1:Mid & *ENG & [-4.0 to 4.0 / -0.6 / 0.1\%/step] \\
\hline & \multicolumn{3}{|l|}{Prevents coat strips, waving, image sore. Reflect adjusted value is \(108 \mathrm{~mm} / \mathrm{s}\)} \\
\hline \multirow{2}{*}{054} & Reverse CCW:Thick2:Low & *ENG & [-4.0 to 4.0 / -0.9 / 0.1\%/step] \\
\hline & \multicolumn{3}{|l|}{Prevents coat strips, waving, image sore. Reflects adjusted value is \(73 \mathrm{~mm} / \mathrm{s}\)} \\
\hline \multirow{2}{*}{055} & Reverse CCW:Thick3:Low & *ENG & [-4.0 to 4.0 / -0.9 / 0.1\%/step] \\
\hline & \multicolumn{3}{|l|}{Prevents coat strips, waving, image sore. Reflects adjusted value is \(73 \mathrm{~mm} / \mathrm{s}\)} \\
\hline \multirow{2}{*}{056} & Reverse CCW:Thick4:Low & *ENG & [-4.0 to 4.0 / -0.9 / 0.1\%/step] \\
\hline & \multicolumn{3}{|l|}{Prevents coat strips, waving, image sore. Reflects adjusted value is \(73 \mathrm{~mm} / \mathrm{s}\)} \\
\hline \multirow[b]{2}{*}{057} & Duplex Enter CW:Plain:Low & *ENG & [-4.0 to 4.0 / 0.7 / 0.1\%/step] \\
\hline & \multicolumn{3}{|l|}{Prevents coat strips, waving, image sore. Reflects adjusted value is \(73 \mathrm{~mm} / \mathrm{s}\), and 1200dpi mode} \\
\hline \multirow{2}{*}{058} & Duplex Enter CW:Plain:Std & *ENG & [-4.0 to 4.0 / \(0.7 / 0.1 \% /\) step] \\
\hline & \multicolumn{3}{|l|}{Prevents coat strips, waving, image sore. Reflect adjusted value is \(146 \mathrm{~mm} / \mathrm{s}\)} \\
\hline 059 & Duplex Enter CW:Mid-thick:Std & *ENG & [-4.0 to 4.0 / 0.5 / 0.1\%/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline & \multicolumn{3}{|l|}{Prevents coat strips, waving, image sore. Reflect adjusted value is \(146 \mathrm{~mm} / \mathrm{s}\)} \\
\hline \multirow{2}{*}{060} & Duplex Enter CW:Thick1:Low & *ENG & [-4.0 to 4.0 / 0.8 / 0.1\%/step] \\
\hline & \multicolumn{3}{|l|}{Prevents coat strips, waving, image sore. Reflect adjusted value is \(73 \mathrm{~mm} / \mathrm{s}\)} \\
\hline \multirow{2}{*}{061} & Duplex Enter CW:Thick1:Mid & *ENG & [-4.0 to 4.0 / 0.8 / 0.1\%/step] \\
\hline & \multicolumn{3}{|l|}{Prevents coat strips, waving, image sore.} \\
\hline \multirow{2}{*}{062} & Duplex Enter CW:Thick2:Low & *ENG & [-4.0 to 4.0 / 0.8 / 0.1\%/step] \\
\hline & \multicolumn{3}{|l|}{Prevents coat strips, waving, image sore. Reflect adjusted value is \(73 \mathrm{~mm} / \mathrm{s}\)} \\
\hline \multirow{2}{*}{063} & Duplex Enter CW:Thick3:Low & *ENG & [-4.0 to 4.0 / 0.7 / 0.1\%/step] \\
\hline & \multicolumn{3}{|l|}{Prevents coat strips, waving, image sore. Reflect adjusted value is \(73 \mathrm{~mm} / \mathrm{s}\)} \\
\hline \multirow[b]{2}{*}{064} & Duplex CW:Plain:Low & *ENG & [-4.0 to 4.0 / 0.7 / 0.1\%/step] \\
\hline & \multicolumn{3}{|l|}{Prevent shock jitter by adjusting sub scan scale, scale error rate declination, image position accuracy improve. Reflects adjusted value is \(73 \mathrm{~mm} / \mathrm{s}\), and 1200dpi mode} \\
\hline \multirow[b]{2}{*}{065} & Duplex CW:Plain:Std & *ENG & [-4.0 to 4.0 / \(0.7 / 0.1 \% /\) step] \\
\hline & \multicolumn{3}{|l|}{Prevent shock jitter by adjusting sub scan scale, scale error rate declination, image position accuracy improve. Reflect adjusted value is \(146 \mathrm{~mm} / \mathrm{s}\)} \\
\hline \multirow[b]{2}{*}{066} & Duplex CW:Mid-thick:Std & *ENG & [-4.0 to 4.0 / 0.5 / 0.1\%/step] \\
\hline & \multicolumn{3}{|l|}{Prevent shock jitter by adjusting sub scan scale, scale error rate declination, image position accuracy improve. Reflect adjusted value is \(146 \mathrm{~mm} / \mathrm{s}\)} \\
\hline \multirow[b]{2}{*}{067} & Duplex CW:Thick1:Low & *ENG & [-4.0 to 4.0 / 0.8 / 0.1\%/step] \\
\hline & \multicolumn{3}{|l|}{Prevent shock jitter by adjusting sub scan scale, scale error rate declination, image position accuracy improve. Reflect adjusted value is \(73 \mathrm{~mm} / \mathrm{s}\)} \\
\hline \multirow[b]{2}{*}{068} & Duplex CW:Thick1:Mid & *ENG & [-4.0 to 4.0 / 0.8 / 0.1\%/step] \\
\hline & \multicolumn{3}{|l|}{Prevent shock jitter by adjusting sub scan scale, scale error rate declination, image position accuracy improve.} \\
\hline \multirow[b]{2}{*}{069} & Duplex CW:Thick2:Low & *ENG & [-4.0 to 4.0 / 0.8 / 0.1\%/step] \\
\hline & \multicolumn{3}{|l|}{Prevent shock jitter by adjusting sub scan scale, scale error rate declination, image position accuracy improve. Reflect adjusted value is \(73 \mathrm{~mm} / \mathrm{s}\)} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{070} & Duplex CW:Thick3:Low & *ENG & [-4.0 to 4.0 / 0.7 / 0.1\%/step] \\
\hline & \multicolumn{3}{|l|}{Prevent shock jitter by adjusting sub scan scale, scale error rate declination image position accuracy improve. Reflect adjusted value is \(73 \mathrm{~mm} / \mathrm{s}\)} \\
\hline \multirow[b]{2}{*}{071} & Duplex CCW:Plain:Low & *ENG & [-4.0 to 4.0 / \(0.9 / 0.1 \% /\) step] \\
\hline & \multicolumn{3}{|l|}{Prevent shock jitter by adjusting sub scan scale, scale error rate declination, image position accuracy improve. Reflects adjusted value is \(73 \mathrm{~mm} / \mathrm{s}\), and 1200dpi mode} \\
\hline \multirow[b]{2}{*}{072} & Duplex CCW:Plain:Std & *ENG & [-4.0 to 4.0 / \(0.9 / 0.1 \% /\) step] \\
\hline & \multicolumn{3}{|l|}{Prevent shock jitter by adjusting sub scan scale, scale error rate declination image position accuracy improve. Reflect adjusted value is \(146 \mathrm{~mm} / \mathrm{s}\)} \\
\hline \multirow[b]{2}{*}{073} & Duplex CCW:Mid-thick:Std & *ENG & [-4.0 to 4.0 / 1.1 / 0.1\%/step] \\
\hline & \multicolumn{3}{|l|}{Prevent shock jitter by adjusting sub scan scale, scale error rate declination, image position accuracy improve. Reflect adjusted value is \(146 \mathrm{~mm} / \mathrm{s}\)} \\
\hline \multirow[b]{2}{*}{074} & Duplex CCW:Thick1:Low & *ENG & [-4.0 to 4.0 / 1.2 / 0.1\%/step] \\
\hline & \multicolumn{3}{|l|}{Prevent shock jitter by adjusting sub scan scale, scale error rate declination image position accuracy improve. Reflect adjusted value is \(73 \mathrm{~mm} / \mathrm{s}\)} \\
\hline \multirow[b]{2}{*}{075} & Duplex CCW:Thick1:Mid & *ENG & [-4.0 to 4.0 / 1.2 / 0.1\%/step] \\
\hline & \multicolumn{3}{|l|}{Prevent shock jitter by adjusting sub scan scale, scale error rate declination, image position accuracy improve.} \\
\hline \multirow[b]{2}{*}{07} & Duplex CCW:Thick2:Low & *ENG & [-4.0 to 4.0 / 1.2 / 0.1\%/step] \\
\hline & \multicolumn{3}{|l|}{Prevent shock jitter by adjusting sub scan scale, scale error rate declination image position accuracy improve. Reflect adjusted value is \(73 \mathrm{~mm} / \mathrm{s}\)} \\
\hline \multirow[b]{2}{*}{077} & Duplex CCW:Thick3:Low & *ENG & [-4.0 to 4.0 / \(0.9 / 0.1 \% /\) step] \\
\hline & \multicolumn{3}{|l|}{Prevent shock jitter by adjusting sub scan scale, scale error rate declination, image position accuracy improve. Reflect adjusted value is \(73 \mathrm{~mm} / \mathrm{s}\)} \\
\hline \multirow[b]{2}{*}{078} & Duplex CCW:Thick4:Low & *ENG & [-4.0 to 4.0 / \(0.9 / 0.1 \% /\) step] \\
\hline & \multicolumn{3}{|l|}{Prevent shock jitter by adjusting sub scan scale, scale error rate declination, image position accuracy improve. Reflect adjusted value is \(73 \mathrm{~mm} / \mathrm{s}\)} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 1801 & \multicolumn{3}{|l|}{[Relay Motor Speed Adjust]} \\
\hline \multirow[b]{2}{*}{079} & Low & ENG & [-4.0 to 4.0 / 0.0 / 0.1\%/step] \\
\hline & \multicolumn{3}{|l|}{Fine tunes relay motor speed. low speed (Process \(73 \mathrm{~mm} / \mathrm{s}\), paper exit speed up \(108 \mathrm{~mm} / \mathrm{s}\) )} \\
\hline \multirow[b]{2}{*}{080} & Mid & ENG & [-4.0 to 4.0 / 0.0 / 0.1\%/step] \\
\hline & \multicolumn{3}{|l|}{Fine tunes relay motor speed. Middle speed (Process \(108 \mathrm{~mm} / \mathrm{s}\), paper exit speed up \(146 \mathrm{~mm} / \mathrm{s}\) )} \\
\hline \multirow[b]{2}{*}{081} & Standard & ENG & [-4.0 to 4.0 / 0.0 / 0.1\%/step] \\
\hline & \multicolumn{3}{|l|}{Fine tunes relay motor speed. low peed (Process \(146 \mathrm{~mm} / \mathrm{s}\), paper exit speed up \(256 \mathrm{~mm} / \mathrm{s}\) )} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 1801 & \multicolumn{3}{|l|}{[Motor Speed Adj.]} \\
\hline \multirow[t]{2}{*}{100} & Drum Adjust & *ENG & [ 0 or \(1 / 1 / 1 /\) step] 0:Off
1:On \\
\hline & \multicolumn{3}{|l|}{Selects ON/OFF of drum motor speed fine tune control.} \\
\hline \multirow{2}{*}{101} & Offset:ColorOpcMot:Standard & *ENG & [-40 to 40 / 0 / 1step/step] \\
\hline & \multicolumn{3}{|l|}{Sets offset amount of fine tuning drum motor speed \(146 \mathrm{~mm} / \mathrm{sec}\)} \\
\hline \multirow{2}{*}{102} & Offset:ColorOpcMot:Mid & *ENG & [-40 to 40 / 0 / 1step/step] \\
\hline & \multicolumn{3}{|l|}{Sets offset amount of fine tuning drum motor speed N/A} \\
\hline \multirow{2}{*}{103} & Offset:ColorOpcMot:Low & *ENG & [-40 to 40 / 0 / 1step/step] \\
\hline & \multicolumn{3}{|l|}{Sets offset amount of fine tuning drum motor speed \(73 \mathrm{~mm} / \mathrm{sec}\)} \\
\hline \multirow{2}{*}{106} & ColorOpcMot:Standard & *ENG & [-40 to 40 / 0 / 1step] \\
\hline & \multicolumn{3}{|l|}{Fine tunes motor speed \(146 \mathrm{~mm} / \mathrm{sec}\)} \\
\hline \multirow{2}{*}{107} & ColorOpcMot:Mid & *ENG & [-40 to 40 / 0 / 1step] \\
\hline & \multicolumn{3}{|l|}{Fine tunes motor speed N/A} \\
\hline \multirow{2}{*}{108} & ColorOpcMot:Low & *ENG & [-40 to 40 / 0 / 1step] \\
\hline & \multicolumn{3}{|l|}{Fine tunes motor speed \(73 \mathrm{~mm} / \mathrm{sec}\)} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{109} & BkDevMot:Standard & *ENG & [-20.0 to 20.0 / 1.5 / 0.1\%/step] \\
\hline & \multicolumn{3}{|l|}{Fine tunes motor speed \(146 \mathrm{~mm} / \mathrm{sec}\)} \\
\hline \multirow[b]{2}{*}{110} & BkDevMot:Mid & *ENG & [-20.0 to 20.0 / 1.5 / 0.1\%/step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Fine tunes motor speed \\
C6003/C5503/C4503: 108mm/sec C3503/C3003: N/A
\end{tabular}} \\
\hline \multirow{2}{*}{111} & BkDevMot:Low & *ENG & [-20.0 to 20.0 / 1.5 / 0.1\%/step] \\
\hline & \multicolumn{3}{|l|}{Fine tunes motor speed \(73 \mathrm{~mm} / \mathrm{sec}\)} \\
\hline \multirow{2}{*}{115} & ColorDevMot:Standard & *ENG & [-20.0 to 20.0 / -4.6 / 0.1\%/step] \\
\hline & \multicolumn{3}{|l|}{Fine tunes motor speed \(146 \mathrm{~mm} / \mathrm{sec}\)} \\
\hline \multirow[b]{2}{*}{116} & ColorDevMot:Mid & *ENG & [-20.0 to 20.0 / -4.6 / 0.1\%/step] \\
\hline & \multicolumn{3}{|l|}{Fine tunes motor speed N/A} \\
\hline \multirow{2}{*}{117} & ColorDevMot:Low & *ENG & [-20.0 to 20.0 / -4.6 / 0.1\%/step] \\
\hline & \multicolumn{3}{|l|}{Fine tunes motor speed \(73 \mathrm{~mm} / \mathrm{sec}\)} \\
\hline \multirow[t]{2}{*}{118} & Fusing:Standard & *ENG & \[
\begin{aligned}
& {[-10.00 \text { to } 10.00 /-1.40 /} \\
& 0.01 \% / \text { /step] }
\end{aligned}
\] \\
\hline & \multicolumn{3}{|l|}{Fine tunes motor speed \(146 \mathrm{~mm} / \mathrm{sec}\)} \\
\hline \multirow{2}{*}{119} & Fusing:Mid & *ENG & \begin{tabular}{l}
[-10.00 to 10.00 / - \(\mathbf{1 . 0 0}\) / \\
0.01\%/step]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Fine tunes motor speed N/A} \\
\hline \multirow{2}{*}{120} & Fusing:Low & *ENG & \[
\begin{aligned}
& {[-10.00 \text { to } 10.00 /-1.00 /} \\
& 0.01 \% / \text { /step }]
\end{aligned}
\] \\
\hline & \multicolumn{3}{|l|}{Fine tune motor speed when printing to paper with thickness except standard pape thickness \(73 \mathrm{~mm} / \mathrm{sec}\)} \\
\hline \multirow{2}{*}{121} & Fusing:Low:1200:Plain & *ENG & \begin{tabular}{l}
[-10.00 to 10.00 / - \(\mathbf{1 . 4 0 ~ / ~}\) \\
0.01\%/step]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Fine tune motor speed when printing to paper with thickness except standard pape thickness \(73 \mathrm{~mm} / \mathrm{sec}\)} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{122} & OPCTransferMot:Standard & *ENG & [-4.00 to 4.00 / 0.20 / 0.01\%/step] \\
\hline & \multicolumn{3}{|l|}{Fine tunes motor speed \(146 \mathrm{~mm} / \mathrm{sec}\)} \\
\hline \multirow[b]{2}{*}{123} & OPCTransferMot:Mid & *ENG & [-4.00 to 4.00 / 0.20 / 0.01\%/step] \\
\hline & \multicolumn{3}{|l|}{Fine tunes motor speed} \\
\hline \multirow{2}{*}{124} & OPCTransferMot:Low & *ENG & [-4.00 to \(4.00 / 0.20 / 0.01 \% /\) step] \\
\hline & \multicolumn{3}{|l|}{Fine tunes motor speed \(73 \mathrm{~mm} / \mathrm{sec}\)} \\
\hline \multirow{2}{*}{133} & ColorOpcMot:Standard:independence & *ENG & [-4.00 to \(4.00 /-\mathbf{0 . 2 0} / 0.01 \% /\) step] \\
\hline & \multicolumn{3}{|l|}{Fine tunes motor speed \(146 \mathrm{~mm} / \mathrm{sec}\)} \\
\hline \multirow[b]{2}{*}{134} & ColorOpcMot:Mid:independence & *ENG & [-4.00 to \(4.00 /-\mathbf{0 . 2 0} / 0.01 \% /\) step] \\
\hline & \multicolumn{3}{|l|}{Fine tunes motor speed N/A} \\
\hline \multirow{2}{*}{135} & ColorOpcMot:Low:independence & *ENG & [-4.00 to 4.00 / -0.20 / 0.01\%/step] \\
\hline & \multicolumn{3}{|l|}{Fine tunes motor speed \(73 \mathrm{~mm} / \mathrm{sec}\)} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|c|l|}
\hline 1902 & \multicolumn{3}{|l|}{\([\) [Export Ladder Pattern \(]\)} \\
\hline \multirow{3}{*}{001} & Execute & ENG & {\([0\) or \(1 / 0 / 1 /\) step \(]\)} \\
\cline { 2 - 4 } & Execution SP to write rudder pattern. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 1902 & \multicolumn{3}{|l|}{[Drum Phase Adj.]} \\
\hline \multirow{2}{*}{002} & Result & *ENG & [0 to 3 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Displays execution result of drum phase match} \\
\hline \multirow[t]{2}{*}{003} & Auto Execution & *ENG & \[
\begin{aligned}
& \text { [0 or } 1 / 1 / 1 / \text { step] } \\
& \text { 0:Off } \\
& \text { 1:On }
\end{aligned}
\] \\
\hline & \multicolumn{3}{|l|}{Selects ON/OFF of drum phase matching control.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 1902 & \multicolumn{3}{|l|}{[BIT1 Control]} \\
\hline \multirow{2}{*}{004} & Execute & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Execution SP of BIT1 control} \\
\hline \multirow{2}{*}{005} & Result & ENG & [0 to 3 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Displays execution result of BIT1 control} \\
\hline \multirow{2}{*}{008} & Sensing position & *ENG & [0 to 3 / 1 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Scanning position of BIT1 control pattern} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 1903 & \multicolumn{3}{|l|}{[Amplitude Setting]} \\
\hline \multirow{2}{*}{001} & Threshold Trsns Bkdrum & *ENG & [0.0 to 300.0 / 5.0 / 0.1um/step] \\
\hline & \multicolumn{3}{|l|}{Execution threshold of BIT1 control} \\
\hline \multirow{2}{*}{002} & Threshold FC Drum & *ENG & [0.0 to 300.0 / 5.0 / 0.1um/step] \\
\hline & \multicolumn{3}{|l|}{Execution threshold of BIT1 control} \\
\hline \multirow{2}{*}{003} & Trsns Bkdrum & *ENG & [0.0 to 300.0 / 0.0 / 0.1um/step] \\
\hline & \multicolumn{3}{|l|}{Displays amplitude value of BIT1 control} \\
\hline \multirow{2}{*}{004} & FC Drum & *ENG & [0.0 to 300.0 / 0.0 / 0.1um/step] \\
\hline & \multicolumn{3}{|l|}{Displays amplitude value of BIT1 control} \\
\hline \multirow{2}{*}{005} & Cy & *ENG & [0.0 to 300.0 / 0.0 / 0.1um/step] \\
\hline & \multicolumn{3}{|l|}{Displays amplitude value of BIT1 control check} \\
\hline \multirow{2}{*}{006} & Ma & *ENG & [0.0 to 300.0 / 0.0 / 0.1um/step] \\
\hline & \multicolumn{3}{|l|}{Displays amplitude value of BIT1 control check} \\
\hline \multirow{2}{*}{007} & Ye & *ENG & [0.0 to 100.0 / 0 / 0.1um/step] \\
\hline & \multicolumn{3}{|l|}{Displays amplitude value of BIT1 control check} \\
\hline \multirow{2}{*}{008} & Bk Offset Amp & *ENG & [-300.0 to 300.0 / 0.0 / 0.1um/step] \\
\hline & \multicolumn{3}{|l|}{Off set amplitude of BIT1 control} \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|l|}
\hline \multirow{3}{*}{009} & FC Offset Amp & *ENG & [-300.0 to 300.0 / 0.0 / 0.1um/step] \\
\cline { 2 - 4 } & Off set amplitude of BIT1 control \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 1904 & \multicolumn{3}{|l|}{[Phase Angle]} \\
\hline \multirow{2}{*}{001} & Trsns Bkdrum & *ENG & [0 to 359 / 0 / 1deg/step] \\
\hline & \multicolumn{3}{|l|}{Displays phase angle of BIT1 control} \\
\hline \multirow{2}{*}{002} & FC Drum & *ENG & [0 to 359 / 0 / 1 deg/step] \\
\hline & \multicolumn{3}{|l|}{Displays phase angle of BIT1 control} \\
\hline \multirow{2}{*}{003} & Cy & *ENG & [0 to 359 / 0 / 1deg/step] \\
\hline & \multicolumn{3}{|l|}{Displays phase angle of BIT1 control check} \\
\hline \multirow{2}{*}{004} & Ma & *ENG & [0 to 359 / 0 / 1deg/step] \\
\hline & \multicolumn{3}{|l|}{Displays phase angle of BIT1 control check} \\
\hline \multirow{2}{*}{005} & Ye & *ENG & [0 to 359 / 0 / 1deg/step] \\
\hline & \multicolumn{3}{|l|}{Displays phase angle of BIT1 control check} \\
\hline \multirow{2}{*}{006} & Bk Offset Angle & *ENG & [0 to 359 / 0 / 1deg/step] \\
\hline & \multicolumn{3}{|l|}{Off set angle of BIT1 control} \\
\hline \multirow{2}{*}{007} & FC Offset Angle & *ENG & [0 to 359 / 0 / 1deg/step] \\
\hline & \multicolumn{3}{|l|}{Off set angle of BIT1 control} \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|l|}
\hline 1907 & \multicolumn{1}{|l|}{ [Paper Feed Timing Adj.] } \\
\hline 029 & \begin{tabular}{l} 
By-pass Size Decision Timing
\end{tabular} & *ENG & [1 to 3/3/1/step] \\
\cline { 2 - 4 } & \begin{tabular}{l} 
Adjusts waiting time till fix a size from size detector's output when paper is set \\
with standard bypass or one action bypass function is OFF. Will have more time \\
till start button to turn green when setting waiting time longer, but time for setting \\
paper will also be loner. Side effect might occur such as paper feed starts before \\
finish setting paper if waiting time is set shot.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|c|l|}
\hline 1950 & \multicolumn{3}{|l|}{\begin{tabular}{l} 
[Fan Cooling Time Set] \\
Sets fan operation time during after print standby.
\end{tabular}} \\
\hline 002 & Dev Cooling Fan A & *ENG & \\
\hline 003 & Dev Cooling Fan B & *ENG & \\
\hline 005 & Ozone Fan & *ENG & \multirow{3}{*}{ [0.0 to 120.0 / 0.0 / 0.1 min] } \\
\hline 006 & Fusing Fan & *ENG & \\
\hline 007 & Paper Exit Cooling Fan & *ENG \\
\hline 011 & Electrical Cooling Fan & *ENG & \\
\hline
\end{tabular}
\begin{tabular}{|r|l|c|l|}
\hline 1951 & \multicolumn{2}{|l|}{\begin{tabular}{l} 
[Fan Start Time Set] \\
Sets fan operation start time when recover from engine off mode.
\end{tabular}} \\
\hline 002 & Dev Cooling Fan A & *ENG & \\
\hline 003 & Dev Cooling Fan B & *ENG & \\
\hline 005 & Ozone Fan & *ENG & \multirow{2}{*}{ [0 to 900 / 120 / 1sec/step] } \\
\hline 006 & Fusing Fan & *ENG & \\
\hline 007 & Paper Exit Cooling Fan & *ENG & \\
\hline 011 & Electrical Cooling Fan & *ENG & \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline 1952 & \multicolumn{4}{|l|}{ [Fan Control Off Mode Time Set] } \\
\hline \multirow{3}{*}{001} & - & *ENG & {\([0\) to \(60 / 10 / 1\) min. \(/\) step \(]\)} \\
\cline { 2 - 4 } & Sets off mode time till start fan control. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 1953 & \multicolumn{3}{|l|}{[Extra Fan Control]} \\
\hline \multirow[t]{2}{*}{001} & Extra Fan Cooling State & *ENG & \begin{tabular}{l}
[ 0 or 1 / 0 / 1/step] \\
0 : Disable \\
1: Enable
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Displays current fan extend operation} \\
\hline \multirow{2}{*}{002} & Execution Temp. Threshold & *ENG & [0.0 to 100.0 / 40.0 / 0.1deg/step] \\
\hline & \multicolumn{3}{|l|}{Sets judge time for to start fan extend operation.} \\
\hline \multirow[b]{2}{*}{003} & Cancellation Temp. Threshold & *ENG & [0.0 to 100.0 / 2.0 / 0.1deg/step] \\
\hline & \multicolumn{3}{|l|}{Sets temperature threshold (diff. value between fan extend start temp.) of when ending fan extend operation.} \\
\hline \multirow[t]{2}{*}{004} & \begin{tabular}{l}
Extra Fan Operation ON/OFF \\
Setting
\end{tabular} & *ENG & \begin{tabular}{l}
[0 or 1 / 1 / 1/step] \\
0 : disable \\
1: enable
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Sets enable/disable fan extend operation.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 1955 & \multicolumn{3}{|l|}{[Fan Control]} \\
\hline \multirow{2}{*}{003} & Dev Cooling Fan A Op Sw Temp & *ENG & [0.0 to 100.0 / 1.0 / 0.1deg/step] \\
\hline & \multicolumn{3}{|l|}{Sets temperature threshold for when switching operation of imaging cooling fan A.} \\
\hline \multirow{2}{*}{004} & Dev Cooling Fan B Op Sw Temp & *ENG & [0.0 to 100.0 / 36.0 / 0.1deg/step] \\
\hline & \multicolumn{3}{|l|}{Sets temperature threshold for when switching operation of imaging cooling fan B.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{006} & Paper Exit Cooling Fan Low Temp Op Sw Temp & *ENG & [0.0 to 100.0 / 12.0 / 0.1deg/step] \\
\hline & \multicolumn{3}{|l|}{Sets temperature threshold for when switching operation during low temp. of paper exit cooling fan.} \\
\hline \multirow[b]{2}{*}{007} & Fusing Exit Fan Op Sw Temp & *ENG & [0.0 to 100.0 / 0.0/ 0.1deg/step] \\
\hline & \multicolumn{3}{|l|}{Sets temperature threshold for when switching operation of fusing exhaust heat fan.} \\
\hline \multirow{2}{*}{009} & Ozone Fan Low Speed Op Sw Temp & *ENG & [0.0 to 100.0 / 35.0 / 0.1deg/step] \\
\hline & \multicolumn{3}{|l|}{Sets temperature threshold for when switching to low speed operation of fusing exhaust heat fan.} \\
\hline \multirow{2}{*}{010} & Ozone Fan Middle Speed Op Sw Temp & *ENG & [0.0 to 100.0 / 37.0 / 0.1deg/step] \\
\hline & \multicolumn{3}{|l|}{Sets temperature threshold for when switching to middle speed operation of fusing exhaust heat fan.} \\
\hline \multirow{2}{*}{011} & \begin{tabular}{l}
Ozone Fan High Speed Op \\
Sw Temp
\end{tabular} & *ENG & [0.0 to 100.0 / 40.0 / 0.1deg/step] \\
\hline & \multicolumn{3}{|l|}{Sets temperature threshold for when switching to high speed operation of fusing exhaust heat fan.} \\
\hline \multirow[t]{2}{*}{012} & Ozone Fan Low Noise Op DUTY & *ENG & [0 to 100 / 20 / 1\%/step] \\
\hline & \multicolumn{3}{|l|}{Sets working duty when running ozone fan quiet.} \\
\hline \multirow[t]{2}{*}{013} & Ozone Fan Low Speed Op DUTY & *ENG & [0 to 100 / 30 / 1\%/step] \\
\hline & \multicolumn{3}{|l|}{Sets working duty when running ozone fan low speed..} \\
\hline \multirow[t]{2}{*}{014} & Ozone Fan Middle Speed Op DUTY & *ENG & [0 to 100 / 40 / 1\%/step] \\
\hline & \multicolumn{3}{|l|}{Sets working duty when running ozone fan middle speed.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[t]{2}{*}{015} & Ozone Fan High Speed Op DUTY & *ENG & [0 to 100 / 40 / 1\%/step] \\
\hline & \multicolumn{3}{|l|}{Sets working duty when running ozone fan high speed.} \\
\hline \multirow[t]{2}{*}{016} & \begin{tabular}{l}
Paper Exit Cooling Fan Op \\
Start Time
\end{tabular} & *ENG & [0 to 900 / 300 / 1sec/step] \\
\hline & \multicolumn{3}{|l|}{Sets start operation time of paper exit cooling fan.} \\
\hline \multirow[t]{2}{*}{017} & Electrical Cooling Fan Op Start Time & *ENG & [0 to 900 / 300 / 1sec/step] \\
\hline & \multicolumn{3}{|l|}{Sets start operation time of electric system cooling fan.} \\
\hline \multirow[b]{2}{*}{018} & Fan Op Sw Temp Thres & *ENG & [0.0 to 100.0 / 2.0 / 0.1deg/step] \\
\hline & \multicolumn{3}{|l|}{Sets temperature threshold (diff. value between switching temp.) of when switching each fan.} \\
\hline \multirow[t]{2}{*}{019} & Paper Exit Cooling Fan Control Off Mode Time & *ENG & [0 to 60 / 10 / 1min./step] \\
\hline & \multicolumn{3}{|l|}{Sets off mode time till start paper exit cooling fan.} \\
\hline \multirow[t]{2}{*}{020} & Electrical Cooling Fan Control Off Mode Time & *ENG & [0 to 60 / 10 / 1min./step] \\
\hline & \multicolumn{3}{|l|}{Sets off mode time till electric system cooling fan.} \\
\hline
\end{tabular}

\subsection*{2.3 MAIN SP TABLES-2-1}

\subsection*{2.3.1 SP2-005 TO 2-473 (DRUM)}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{2005} & \multicolumn{3}{|l|}{[Charge DC Voltage: Fixed]} \\
\hline & \multicolumn{3}{|l|}{DC fixed voltage when Process control is off.} \\
\hline 001 & Standard Speed: K & *ENG & [ 0 to 2000 / 1350 / 10-V/step] \\
\hline 002 & Standard Speed: C & *ENG & \multirow{3}{*}{[0 to 2000 / 1350 / 10-V/step]} \\
\hline 003 & Standard Speed: M & *ENG & \\
\hline 004 & Standard Speed: \(Y\) & *ENG & \\
\hline 005 & Middle Speed: K & *ENG & [0 to 2000 / 1350 / 10-V/step] \\
\hline 006 & Middle Speed: C & *ENG & \multirow{3}{*}{[0 to 2000 / 1350 / 10-V/step]} \\
\hline 007 & Middle Speed: M & *ENG & \\
\hline 008 & Middle Speed: Y & *ENG & \\
\hline 009 & Low Speed: K & *ENG & [0 to 2000 / 1350 / 10-V/step] \\
\hline 010 & Low Speed: C & *ENG & \multirow{3}{*}{[0 to 2000 / 1350 / 10-V/step]} \\
\hline 011 & Low Speed: M & *ENG & \\
\hline 012 & Low Speed: Y & *ENG & \\
\hline \multirow{2}{*}{2005} & \multicolumn{3}{|l|}{[Charge DC Voltage: Correction]} \\
\hline & \multicolumn{3}{|l|}{Correction amount for AC center value.} \\
\hline 013 & PCU: Standard Speed & *ENG & \multirow{3}{*}{[-100 to 100 / 0 / 1-V/step]} \\
\hline 014 & PCU: Middle Speed & *ENG & \\
\hline 015 & PCU: Low Speed & *ENG & \\
\hline \multirow{2}{*}{2005} & \multicolumn{3}{|l|}{[Charge DC Voltage: Correction]} \\
\hline & \multicolumn{3}{|l|}{Vc calculating coefficient of DC Electrify.} \\
\hline 018 & Correction Coefficient a: K & *ENG & [0.000 to \(2.000 / 1.000 / 0.001 /\) step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 019 & Correction Coefficient a: C & *ENG & \\
\hline 020 & Correction Coefficient a: M & *ENG & \\
\hline 021 & Correction Coefficient a: \(Y\) & *ENG & \\
\hline 022 & Correction Coefficient b: K & *ENG & [0 to 2000 / 700 / 1/step] \\
\hline 023 & Correction Coefficient b: C & *ENG & \multirow{3}{*}{[0 to 2000 / 700 / 1/step]} \\
\hline 024 & Correction Coefficient b: M & *ENG & \\
\hline 025 & Correction Coefficient b: Y & *ENG & \\
\hline 026 & Correction Coefficient c: K & *ENG & \multirow{4}{*}{[0 to 100 / 0 / 1/step]} \\
\hline 027 & Correction Coefficient c: C & *ENG & \\
\hline 028 & Correction Coefficient c: M & *ENG & \\
\hline 029 & Correction Coefficient c: Y & *ENG & \\
\hline \multirow{2}{*}{2005} & \multicolumn{3}{|l|}{[Charge DC Voltage: Correction]} \\
\hline & \multicolumn{3}{|l|}{Temperature threshold of Electrify DC Voltage.} \\
\hline 030 & Temperature Threshold L: K & *ENG & [0 to 99 / 15 / 1deg/step] \\
\hline 031 & Temperature Threshold L: C & *ENG & [0 to 99 / 15 / 1deg/step] \\
\hline 032 & Temperature Threshold L: M & *ENG & [0 to 99 / 16 / 1deg/step] \\
\hline 033 & Temperature Threshold L: Y & *ENG & [0 to 99 / 16 / 1deg/step] \\
\hline 034 & Temperature Threshold M: K & *ENG & [0 to 99 / 22 / 1deg/step] \\
\hline 035 & Temperature Threshold M: C & *ENG & [0 to 99 / 22 / 1deg/step] \\
\hline 036 & Temperature Threshold M: M & *ENG & [0 to 99 / 23 / 1deg/step] \\
\hline 037 & Temperature Threshold M : Y & *ENG & [0 to 99 / 23 / 1deg/step] \\
\hline 038 & Temperature Threshold \(\mathrm{H}: \mathrm{K}\) & *ENG & [0 to 99 / 28 / 1deg/step] \\
\hline 039 & Temperature Threshold H: C & *ENG & [0 to 99 / 28 / 1deg/step] \\
\hline 040 & Temperature Threshold H: M & *ENG & [0 to 99 / 29 / 1deg/step] \\
\hline 041 & Temperature Threshold H : Y & *ENG & [0 to 99 / 29 / 1deg/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2005} & \multicolumn{3}{|l|}{[Charge DC Voltage: Correction]} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
0 : Set to correction value using table. \\
1: Set to Fixed Value: Electrify DC Voltage of SP.
\end{tabular}} \\
\hline 043 & DC Bias Fixed Value Set & *ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline \multirow{2}{*}{2005} & \multicolumn{3}{|l|}{[Charge DC Voltage: Correction]} \\
\hline & \multicolumn{3}{|l|}{Fixed value of Vc calculating coefficient for DC Electrify.} \\
\hline 044 & Correction Coefficient a: Fixed K & *ENG & \multirow{4}{*}{[0.000 to \(2.000 / 1.000\) / 0.001/step]} \\
\hline 045 & \begin{tabular}{l}
Correction Coefficient a: Fixed \\
C
\end{tabular} & *ENG & \\
\hline 046 & Correction Coefficient a: Fixed M & *ENG & \\
\hline 047 & Correction Coefficient a: Fixed Y & *ENG & \\
\hline 048 & Correction Coefficient b: Fixed K & *ENG & [0 to 2000 / 700 / 1/step] \\
\hline 049 & \begin{tabular}{l}
Correction Coefficient b: Fixed \\
C
\end{tabular} & *ENG & \multirow{3}{*}{[0 to 2000 / 700 / 1/step]} \\
\hline 050 & Correction Coefficient b: Fixed M & *ENG & \\
\hline 051 & Correction Coefficient b: Fixed Y & *ENG & \\
\hline 052 & Correction Coefficient c: Fixed K & *ENG & [0 to 100 / 0 / 1/step] \\
\hline 053 & Correction Coefficient c: Fixed C & *ENG & \multirow{2}{*}{[0 to 100 / 0 / 1/step]} \\
\hline 054 & Correction Coefficient c: Fixed M & *ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 055 & Correction Coefficient c: Fixed Y & *ENG & \\
\hline \multirow{2}{*}{2005} & \multicolumn{3}{|l|}{[Charge DC Voltage: Correction]} \\
\hline & \multicolumn{3}{|l|}{Rotation distance considering by PCU life.} \\
\hline 056 & - & *ENG & \multirow{4}{*}{[- to - / 0 /-]} \\
\hline 057 & - & *ENG & \\
\hline 058 & - & *ENG & \\
\hline 059 & - & *ENG & \\
\hline \multirow{2}{*}{2005} & \multicolumn{3}{|l|}{[Charge DC: Correction]} \\
\hline & \multicolumn{3}{|l|}{Rotation distance when detecting an old PCU.} \\
\hline 060 & - & *ENG & \multirow{4}{*}{[- to - / 0 /-]} \\
\hline 061 & - & *ENG & \\
\hline 062 & - & *ENG & \\
\hline 063 & - & *ENG & \\
\hline \multirow{2}{*}{2005} & \multicolumn{3}{|l|}{[Charge DC Voltage: Correction]} \\
\hline & \multicolumn{3}{|l|}{Vc calculating coefficient of DC Electrify.} \\
\hline 089 & Correction Coefficient Cd & *ENG & \multirow{10}{*}{\[
\begin{aligned}
& {[-125 \text { to } 125 \text { / } 0 \text { / 1-V/step] }} \\
& 2012500
\end{aligned}
\]} \\
\hline 090 & Correction Coefficient Ce & *ENG & \\
\hline 091 & Correction Coefficient Cf & *ENG & \\
\hline 092 & Correction Coefficient Cg & *ENG & \\
\hline 093 & Correction Coefficient Ch & *ENG & \\
\hline 094 & Correction Coefficient Ci & *ENG & \\
\hline 095 & Correction Coefficient Cj & *ENG & \\
\hline 096 & Correction Coefficient Ck & *ENG & \\
\hline 097 & Correction Coefficient Cl & *ENG & \\
\hline 098 & Correction Coefficient Cm & *ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 099 & Correction Coefficient Cn & *ENG & \\
\hline 100 & Correction Coefficient Co & *ENG & \\
\hline 101 & Correction Coefficient Cp & *ENG & \\
\hline 102 & Correction Coefficient Cq & *ENG & \\
\hline 103 & Correction Coefficient Cr & *ENG & \\
\hline 104 & Correction Coefficient Cs & *ENG & \\
\hline 105 & Correction Coefficient Ct & *ENG & \\
\hline 106 & Correction Coefficient Cu & *ENG & [-125 to 125 / 0 / 1-V/step] \\
\hline 107 & Correction Coefficient Cv & *ENG & \\
\hline 108 & Correction Coefficient Cw & *ENG & \\
\hline 109 & Correction Coefficient Cx & *ENG & \\
\hline 110 & Correction Coefficient Cy & *ENG & \\
\hline 111 & Correction Coefficient Cz & *ENG & \\
\hline 112 & Correction Coefficient CAA & *ENG & \\
\hline 113 & Correction Coefficient CAB & *ENG & [-125 to 125 / 0 / 1-V/step] \\
\hline 114 & Correction Coefficient Md & *ENG & \\
\hline 115 & Correction Coefficient Me & *ENG & \\
\hline 116 & Correction Coefficient Mf & *ENG & \\
\hline 117 & Correction Coefficient Mg & *ENG & \\
\hline 118 & Correction Coefficient Mh & *ENG & \\
\hline 119 & Correction Coefficient Mi & *ENG & \\
\hline 120 & Correction Coefficient Mj & *ENG & [-125 to 125 / 0 / 1-V/step] \\
\hline 121 & Correction Coefficient Mk & *ENG & \\
\hline 122 & Correction Coefficient MI & *ENG & \\
\hline 123 & Correction Coefficient Mm & *ENG & \\
\hline 124 & Correction Coefficient Mn & *ENG & [-125 to 125 / 0 / 1-V/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 125 & Correction Coefficient Mo & *ENG & \\
\hline 126 & Correction Coefficient Mp & *ENG & \\
\hline 127 & Correction Coefficient Mq & *ENG & \\
\hline 128 & Correction Coefficient Mr & *ENG & \\
\hline 129 & Correction Coefficient Ms & *ENG & \\
\hline 130 & Correction Coefficient Mt & *ENG & \\
\hline 131 & Correction Coefficient Mu & *ENG & \\
\hline 132 & Correction Coefficient Mv & *ENG & \\
\hline 133 & Correction Coefficient Mw & *ENG & \\
\hline 134 & Correction Coefficient Mx & *ENG & [-125 to 125 / 0 / 1-V/step] \\
\hline 135 & Correction Coefficient My & *ENG & \\
\hline 136 & Correction Coefficient Mz & *ENG & \\
\hline 137 & Correction Coefficient MAA & *ENG & \\
\hline 138 & Correction Coefficient MAB & *ENG & \\
\hline 139 & Correction Coefficient Yd & *ENG & \\
\hline 140 & Correction Coefficient Ye & *ENG & \\
\hline 141 & Correction Coefficient Yf & *ENG & \\
\hline 142 & Correction Coefficient Yg & *ENG & \\
\hline 143 & Correction Coefficient Yh & *ENG & \\
\hline 144 & Correction Coefficient Yi & *ENG & [-125 to 125 / 0 / 1-V/step] \\
\hline 145 & Correction Coefficient Yj & *ENG & \\
\hline 146 & Correction Coefficient Yk & *ENG & \\
\hline 147 & Correction Coefficient Y & *ENG & \\
\hline 148 & Correction Coefficient Ym & *ENG & \\
\hline 149 & Correction Coefficient Yn & *ENG & \\
\hline 150 & Correction Coefficient Yo & *ENG & \\
\hline
\end{tabular}

Main SP Tables-2-1
\begin{tabular}{|r|l|c|}
\hline 151 & Correction Coefficient Yp & *ENG \\
\hline 152 & Correction Coefficient Yq & *ENG \\
\hline 153 & Correction Coefficient Yr & *ENG \\
\hline 154 & Correction Coefficient Ys & *ENG \\
\hline 155 & Correction Coefficient Yt & *ENG \\
\hline 156 & Correction Coefficient Yu & *ENG \\
\hline 157 & Correction Coefficient Yv & *ENG \\
\hline 158 & Correction Coefficient Yw to 125 / 0 / 1-V/step] \\
\hline 159 & Correction Coefficient Yx & *ENG \\
\hline 160 & Correction Coefficient Yy & *ENG \\
\hline 161 & Correction Coefficient YZ & *ENG \\
\hline 162 & Correction Coefficient YAA & *ENG \\
\hline 163 & Correction Coefficient YAB & *ENG \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{2006} & \multicolumn{3}{|l|}{[Charge AC Voltage: Fixed]} \\
\hline & \multicolumn{3}{|l|}{AC ampere target value when outputting fixed Electrify AC.} \\
\hline 001 & Standard Speed: K & *ENG & \multirow{10}{*}{[0.00 to 3.00 / 2.20 / 0.01kV/step]} \\
\hline 002 & Standard Speed: C & *ENG & \\
\hline 003 & Standard Speed: M & *ENG & \\
\hline 004 & Standard Speed: \(Y\) & *ENG & \\
\hline 005 & Middle Speed: K & *ENG & \\
\hline 006 & Middle Speed: C & *ENG & \\
\hline 007 & Middle Speed: M & *ENG & \\
\hline 008 & Middle Speed: Y & *ENG & \\
\hline 009 & Low Speed: K & *ENG & \\
\hline 010 & Low Speed: C & *ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|l|c|c|}
\hline 011 & Low Speed: M & *ENG & \\
\hline 012 & Low Speed: Y & *ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{2007} & \multicolumn{3}{|l|}{[Charge AC Current: LL]} \\
\hline & AC ampere target value w & \multicolumn{2}{|l|}{Electrify AC.} \\
\hline 001 & Environmental Target: Bk & *ENG & \multirow{4}{*}{\begin{tabular}{l}
[ 0.00 to \(3.00 / 0.98 / 0.01 \mathrm{~mA} /\) step] \\
[ 0.00 to \(3.00 / 0.98 / 0.01 \mathrm{~mA} /\) step]
\end{tabular}} \\
\hline 002 & Environmental Target: C & *ENG & \\
\hline 003 & Environmental Target: M & *ENG & \\
\hline 004 & Environmental Target: Y & *ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{2008} & \multicolumn{3}{|l|}{[Charge AC Current: ML]} \\
\hline & \multicolumn{3}{|l|}{\(A C\) ampere target value when Electrify \(A C\).} \\
\hline 001 & Environmental Target: Bk & *ENG & \multirow{4}{*}{[0.00 to 3.00 / 0.98 / 0.01mA/step]} \\
\hline 002 & Environmental Target: C & *ENG & \\
\hline 003 & Environmental Target: M & *ENG & \\
\hline 004 & Environmental Target: Y & *ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{2009} & \multicolumn{3}{|l|}{[Charge AC Current: MM]} \\
\hline & \multicolumn{3}{|l|}{AC ampere target value when Electrify AC.} \\
\hline 001 & Environmental Target: Bk & *ENG & \multirow{4}{*}{[0.00 to 3.00 / 0.98 / 0.01mA/step]} \\
\hline 002 & Environmental Target: C & *ENG & \\
\hline 003 & Environmental Target: M & *ENG & \\
\hline 004 & Environmental Target: \(Y\) & *ENG & \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{2}{*}{2010} & \multicolumn{3}{|l|}{ [Charge AC Current: MH] } \\
\cline { 2 - 4 } & \multicolumn{4}{|l|}{ AC ampere target value when } & Electrify AC. \\
\hline 001 & Environmental Target: Bk & *ENG & {\([0.00\) to \(3.00 / 0.97 / 0.01 \mathrm{~mA} /\) step \(]\)} \\
\hline
\end{tabular}
\begin{tabular}{|c|l|c|}
\hline 002 & Environmental Target: C & \multirow{2}{*}{ *ENG } \\
\hline 003 & Environmental Target: M & \multirow{2}{*}{ *ENG } \\
\hline 004 & Environmental Target: Y & \multirow{2}{*}{ *ENG } \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{2}{*}{2011} & \multicolumn{3}{|l|}{ [Charge AC Current: HH] } \\
\cline { 2 - 3 } & \multicolumn{2}{|l|}{ AC ampere target value when } & \multicolumn{2}{|l|}{ Electrify AC. } \\
\hline 001 & Environmental Target: Bk & *ENG & \\
\hline 002 & Environmental Target: C & \multirow{2}{*}{ *ENG } & \multirow{2}{*}[0.00\text{to}3.00/0.97/0.01\mathrm{mA}/\text{step}]{} \\
\hline 003 & Environmental Target: M & *ENG & \\
\hline 004 & Environmental Target: Y & *ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 2012 & \multicolumn{3}{|l|}{[Charge Output Control]} \\
\hline & AC Voltage & *ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline 001 & \multicolumn{3}{|l|}{\begin{tabular}{l}
0: Set to environment correction value used when FB \\
1: Electrify AC voltage of SP: Set to fixed setting value.
\end{tabular}} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 2013 & \multicolumn{3}{|l|}{[Environmental Correction: PCU]} \\
\hline \multirow{2}{*}{001} & \begin{tabular}{l}
Current Environmental FC : \\
Display
\end{tabular} & *ENG & [- to - / - / -] \\
\hline & \multicolumn{3}{|l|}{Environment class divided based on the temperature / humidity sensor information when controlling Electrify AC of latest main and subs FC mode.} \\
\hline \multirow[b]{2}{*}{002} & Forced Setting & *ENG & [ 0 to 5 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{0: Detect with temperature / humidity sensor. 1 to 5 : Force setting environment.} \\
\hline \multirow[t]{2}{*}{003} & \begin{tabular}{l}
Absolute Humidity: Threshold \\
1
\end{tabular} & *ENG & [ 0.00 to 100.00 / 3.00 / \(0.01 \mathrm{~g} / \mathrm{m}^{\wedge} 3 /\) step] \\
\hline & \multicolumn{3}{|l|}{Threshold of LL environment and ML environment.} \\
\hline 004 & Absolute Humidity: Threshold
\[
2
\] & *ENG & [ 0.00 to 100.00 / 8.00 / \(0.01 \mathrm{~g} / \mathrm{m}^{\wedge} 3 /\) step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline & \multicolumn{3}{|l|}{Threshold of ML environment and MM environment.} \\
\hline \multirow[t]{2}{*}{005} & Absolute Humidity: Threshold 3 & *ENG & \begin{tabular}{l}
[0.00 to 100.00 / 15.00 / \\
\(0.01 \mathrm{~g} / \mathrm{m}^{\wedge} 3 /\) step]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Threshold of MM environment and MH environment.} \\
\hline \multirow[t]{2}{*}{006} & \begin{tabular}{l}
Absolute Humidity: Threshold \\
4
\end{tabular} & *ENG & \begin{tabular}{l}
[0.00 to 100.00 / 22.00 / \\
\(0.01 \mathrm{~g} / \mathrm{m}^{\wedge} 3 /\) step]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Threshold of MH environment and HH environment.} \\
\hline \multirow[b]{2}{*}{007} & Temp FC: Display & *ENG & [0 to 100 / 0 / 1deg/step] \\
\hline & \multicolumn{3}{|l|}{Temperature detected with temperature / humidity sensor when controlling Electrify AC of latest main and subs FC mode.} \\
\hline \multirow{2}{*}{008} & \begin{tabular}{l}
Relative Humidity FC : \\
Display
\end{tabular} & *ENG & [0 to \(100 / 0\) / 1\%RH/step] \\
\hline & \multicolumn{3}{|l|}{Relative temperature detected with temperature / humidity sensor when controlling Electrify AC of latest main and subs FC mode.} \\
\hline \multirow{2}{*}{009} & \begin{tabular}{l}
Absolute Humidity FC \\
Display
\end{tabular} & *ENG & \begin{tabular}{l}
[ 0.00 to 100.00 / 0.00 / \\
\(0.01 \mathrm{~g} / \mathrm{m}^{\wedge} 3 /\) step]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Absolute temperature detected with temperature / humidity sensor when controlling Electrify AC of latest main and subs FC mode.} \\
\hline \multirow[b]{2}{*}{010} & Environmental Bk: Display & *ENG & [- to - / - / -] \\
\hline & \multicolumn{3}{|l|}{Environment class divided based on the temperature / humidity sensor information when controlling Electrify AC of latest main and subs monochrome Bk mode.} \\
\hline \multirow[b]{2}{*}{011} & Temp Bk.: Display & *ENG & [0 to 100 / 0 / 1deg/step] \\
\hline & \multicolumn{3}{|l|}{Temperature detected by the temperature / humidity sensor when controlling Electrify AC of latest main and subs monochrome Bk mode.} \\
\hline \multirow[b]{2}{*}{012} & Relative Humidity Bk : Display & *ENG & [0 to \(100 / 0 / 1 \% \mathrm{RH} /\) step] \\
\hline & \multicolumn{3}{|l|}{Relative temperature detected by the temperature / humidity sensor when controlling Electrify AC of latest main and subs monochrome Bk mode.} \\
\hline
\end{tabular}
\begin{tabular}{|c|l|l|l|}
\hline \multirow{3}{*}{013} & \begin{tabular}{l} 
Absolute Humidity Bk: \\
Display
\end{tabular} & *ENG & \begin{tabular}{l}
{\([0.00\) to \(100.00 / 0.00 /\)} \\
\(\left.0.01 \mathrm{~g} / \mathrm{m}^{\wedge} 3 / \mathrm{step}\right]\)
\end{tabular} \\
\cline { 2 - 4 } & \multicolumn{1}{|l|}{\begin{tabular}{l} 
Absolute temperature detected by the temperature / humidity sensor when \\
controlling Electrify AC of latest main and subs monochrome Bk mode.
\end{tabular}} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 2014 & \multicolumn{3}{|l|}{[Charge AC Control: Setting]} \\
\hline \multirow[b]{2}{*}{001} & Exec Interval: Power ON & *ENG & [0 to 2000 / 500 / 1page/step] \\
\hline & \multicolumn{3}{|l|}{Page interval to do main control when Power ON, recover from energy save mode, front door close.} \\
\hline \multirow{2}{*}{002} & Exec Interval: Print & *ENG & [0 to 2000 / 0 / 1page/step] \\
\hline & \multicolumn{3}{|l|}{Page interval to do main control when printing, finish printing.} \\
\hline \multirow{2}{*}{003} & Page Interval & *ENG & [0 to 500 / 10 / 1page/step] \\
\hline & \multicolumn{3}{|l|}{Page interval to decide to adjust sub when printing in standard speed.} \\
\hline \multirow{2}{*}{004} & Temperature & *ENG & [0 to 99 / 35 / 1deg/step] \\
\hline & \multicolumn{3}{|l|}{Temperature threshold for sub control execute decision,} \\
\hline \multirow{2}{*}{005} & Relative Humidity & *ENG & [0 to 99 / 50 / 1\%RH/step] \\
\hline & \multicolumn{3}{|l|}{Threshold of relative humidity conditions to do sub adjustments.} \\
\hline \multirow{2}{*}{006} & Absolute Humidity & *ENG & [0 to 99 / \(\mathbf{1 2} / 1 \mathrm{~g} / \mathrm{m}^{\wedge} 3 / \mathrm{step}\) ] \\
\hline & \multicolumn{3}{|l|}{Threshold of absolute Temperature conditions to do sub adjustments.} \\
\hline \multirow[b]{2}{*}{007} & Temp Threshold M & *ENG & [0 to 99 / 10 / 1deg/step] \\
\hline & \multicolumn{3}{|l|}{Temperature variation threshold for deciding of executing main control. 0 : Execute every time when set.} \\
\hline \multirow[b]{2}{*}{008} & RH Threshold M & *ENG & [0 to \(99 / 50 / 1 \% \mathrm{RH} /\) step] \\
\hline & \multicolumn{3}{|l|}{Relative humidity variation threshold for deciding of executing main adjust. 0 : Execute every time.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{009} & AH Threshold M & *ENG & [0 to \(99 / 6 / 1 \mathrm{~g} / \mathrm{m}^{\wedge} 3 /\) step] \\
\hline & \multicolumn{3}{|l|}{Relative humidity variation threshold for deciding of executing main adjust. 0 : Execute every time.} \\
\hline \multirow[b]{2}{*}{010} & Temp Threshold S & *ENG & [0.0 to 20.0 / 1.0 / 0.1deg] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Temperature variation threshold to do sub adjust. \\
0 : Do every time
\end{tabular}} \\
\hline \multirow[b]{2}{*}{011} & RH Threshold S & *ENG & [ 0 to \(50 / 5\) / 1\%RH/step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Relative humidity variation threshold to do sub adjust. \\
0: Do every time
\end{tabular}} \\
\hline \multirow[b]{2}{*}{012} & AH Threshold S & *ENG & [0.0 to 20.0 / 1.0 / 0.1g/m^3/step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Absolute humidity variation threshold to do sub adjust. \\
0 : Do every time if conditions match.
\end{tabular}} \\
\hline \multirow[b]{2}{*}{013} & Non-use Time & *ENG & [0 to 1440 / 360 / 10min./step] \\
\hline & \multicolumn{3}{|l|}{Threshold of time stopping photoreceptor continuously for main adjust. 0 : Do not.} \\
\hline \multirow{2}{*}{014} & AC Current Error Detection & *ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Flag to decide whether to adjust AC when SC491 is detected.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 2015 & \multicolumn{3}{|l|}{[Charge AC Adj: Result]} \\
\hline \multirow{2}{*}{001} & Bk & *ENG & [0 to 9 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Result of AC adjust control for Bk (main / sub common)} \\
\hline \multirow{2}{*}{002} & C & *ENG & [0 to 9 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Result of AC adjust control for C (main / sub common)} \\
\hline \multirow{2}{*}{003} & M & *ENG & [ 0 to 9 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Result of AC adjust control for M (main / sub common)} \\
\hline \multirow{2}{*}{004} & Y & *ENG & [ 0 to 9 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Result of AC adjust control for Y (main / sub common)} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 2020 & \multicolumn{3}{|l|}{[Background Pot Correction Set]} \\
\hline \multirow{2}{*}{001} & Temperature & *ENG & [0 to 19 / 15 / 1deg/step] \\
\hline & \multicolumn{3}{|l|}{Temperature threshold for calculating Electrify roller fatigue.} \\
\hline \multirow{2}{*}{002} & Absolute Humidity & *ENG & [0 to \(99 / 6 / 1 \mathrm{~g} / \mathrm{m}^{\wedge} 3 / \mathrm{step}\) ] \\
\hline & \multicolumn{3}{|l|}{Absolute humidity threshold for calculating Electrify roller fatigue.} \\
\hline \multirow{2}{*}{003} & Print Page Counter & *ENG & [0 to 999 / 0 / 1page/step] \\
\hline & \multicolumn{3}{|l|}{Printing counter for multi-step correction.} \\
\hline \multirow{2}{*}{004} & Print Pages Threshold & *ENG & [0 to 999 / 10 / 1page/step] \\
\hline & \multicolumn{3}{|l|}{Printing pages threshold when Multi-step correction.} \\
\hline \multirow{2}{*}{005} & Temp Thresh & *ENG & [20 to 99 / 20 / 1deg/step] \\
\hline & \multicolumn{3}{|l|}{Temperature threshold 2 for calculating Electrify roller fatigue.} \\
\hline \multirow{2}{*}{011} & Coefficient a: K & *ENG & [0.00 to \(1.00 / 0.07 / 0.01 /\) step] \\
\hline & \multicolumn{3}{|l|}{Coefficient \(\mathrm{a}, \mathrm{K}\) for calculating Electrify roller fatigue.} \\
\hline \multirow{2}{*}{012} & Coefficient a: C & *ENG & [0.00 to \(1.00 / 0.07 / 0.01 /\) step] \\
\hline & \multicolumn{3}{|l|}{Coefficient a, C for calculating Electrify roller fatigue.} \\
\hline \multirow{2}{*}{013} & Coefficient a: M & *ENG & [0.00 to 1.00/0.07 / 0.01/step] \\
\hline & \multicolumn{3}{|l|}{Coefficient \(\mathrm{a}, \mathrm{M}\) for calculating Electrify roller fatigue.} \\
\hline \multirow{2}{*}{014} & Coefficient a: Y & *ENG & [0.00 to 1.00/0.07 / 0.01/step] \\
\hline & \multicolumn{3}{|l|}{Coefficient a, Y for calculating Electrify roller fatigue.} \\
\hline \multirow{2}{*}{015} & Coefficient b: K & *ENG & [0.00 to 9.00 / 0 / 0.01/step] \\
\hline & \multicolumn{3}{|l|}{Coefficient \(\mathrm{b}, \mathrm{K}\) for calculating Electrify roller fatigue.} \\
\hline \multirow{2}{*}{016} & Coefficient b: C & *ENG & [0.00 to \(9.00 / 0\) / 0.01/step] \\
\hline & \multicolumn{3}{|l|}{Coefficient b, C for calculating Electrify roller fatigue.} \\
\hline \multirow{2}{*}{017} & Coefficient b: M & *ENG & [0.00 to \(9.00 / 0\) / 0.01/step] \\
\hline & \multicolumn{3}{|l|}{Coefficient \(\mathrm{b}, \mathrm{M}\) for calculating Electrify roller fatigue.} \\
\hline
\end{tabular}
\begin{tabular}{|c|l|c|l|}
\hline \multirow{3}{*}{018} & Coefficient b: Y & *ENG & [0.00 to \(9.00 / 0 / 0.01 /\) step \(]\) \\
\cline { 2 - 2 } & \multicolumn{2}{|l|}{ Coefficient b, Y for calculating Electrify roller fatigue. } \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 2021 & \multicolumn{3}{|l|}{[Background Pot Correction]} \\
\hline \multirow{2}{*}{001} & Display:K & *ENG & [0 to 90 / 0 / 1V/step] \\
\hline & \multicolumn{3}{|l|}{DC bias correction value, K} \\
\hline \multirow{2}{*}{002} & Display:C & *ENG & [0 to \(90 / 0 / 1 \mathrm{~V} /\) step] \\
\hline & \multicolumn{3}{|l|}{DC bias correction value, C} \\
\hline \multirow{2}{*}{003} & Display:M & *ENG & [0 to 90 / 0 / 1V/step] \\
\hline & \multicolumn{3}{|l|}{DC bias correction value, M} \\
\hline \multirow{2}{*}{004} & Display:Y & *ENG & [0 to \(90 / 0 / 1 \mathrm{~V} /\) step] \\
\hline & \multicolumn{3}{|l|}{DC bias correction value, Y} \\
\hline \multirow{2}{*}{005} & Setting1:K & *ENG & [ 0 to 90 / 0 / 10V/step] \\
\hline & \multicolumn{3}{|l|}{Electric potential correction amount 1 against Electrify roller fatigue amount, K} \\
\hline \multirow{2}{*}{006} & Setting1: C & *ENG & [ 0 to 90 / 0 / 10V/step] \\
\hline & \multicolumn{3}{|l|}{Electric potential correction amount 1 against Electrify roller fatigue amount, C} \\
\hline \multirow{2}{*}{007} & Setting1:M & *ENG & [ 0 to \(90 / 0 / 10 \mathrm{~V} /\) step] \\
\hline & \multicolumn{3}{|l|}{Electric potential correction amount 1 against Electrify roller fatigue amount, M} \\
\hline \multirow{2}{*}{008} & Setting1:Y & *ENG & [ 0 to \(90 / 0 / 10 \mathrm{~V} /\) step] \\
\hline & \multicolumn{3}{|l|}{Electric potential correction amount 1 against Electrify roller fatigue amount, Y} \\
\hline \multirow{2}{*}{009} & Setting2:K & *ENG & [ 0 to \(90 / 0 / 10 \mathrm{~V} /\) step] \\
\hline & \multicolumn{3}{|l|}{Electric potential correction amount 1 against Electrify roller fatigue amount, K} \\
\hline \multirow{2}{*}{010} & Setting2:C & *ENG & [ 0 to \(90 / 0\) / 10V/step] \\
\hline & \multicolumn{3}{|l|}{VC calculating coefficient DC Electrify.} \\
\hline \multirow{2}{*}{011} & Setting2:M & *ENG & [0 to \(90 / \mathbf{0} / 10 \mathrm{~V} /\) step] \\
\hline & \multicolumn{3}{|l|}{Electric potential correction amount 2 against Electrify roller fatigue amount, M} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{012} & Setting2:Y & *ENG & [0 to 90 / 0 / 10V/step] \\
\hline & \multicolumn{3}{|l|}{Electric potential correction amount 2 against Electrify roller fatigue amount, Y} \\
\hline \multirow{2}{*}{013} & Setting3:K & *ENG & [ 0 to \(90 / 0 / 5 \mathrm{~V} /\) step] \\
\hline & \multicolumn{3}{|l|}{Electric potential correction amount 3 against Electrify roller fatigue amount, K} \\
\hline \multirow{2}{*}{014} & Setting3: \(C\) & *ENG & [0 to \(90 / 0 / 5 \mathrm{~V} /\) step] \\
\hline & \multicolumn{3}{|l|}{Electric potential correction amount 3 against Electrify roller fatigue amount, C} \\
\hline \multirow{2}{*}{015} & Setting3:M & *ENG & [0 to \(90 / 0 / 5 \mathrm{~V} /\) step] \\
\hline & \multicolumn{3}{|l|}{Electric potential correction amount 3 against Electrify roller fatigue amount, M} \\
\hline \multirow{2}{*}{016} & Setting3:Y & *ENG & [ 0 to \(90 / 0 / 5 \mathrm{~V} /\) step] \\
\hline & \multicolumn{3}{|l|}{Electric potential correction amount 3 against Electrify roller fatigue amount, Y} \\
\hline \multirow{2}{*}{017} & Setting4:K & *ENG & [0 to 90 / 0 / 5V/step] \\
\hline & \multicolumn{3}{|l|}{Electric potential correction amount 4 against Electrify roller fatigue amount, K} \\
\hline \multirow{2}{*}{018} & Setting4: \(C\) & *ENG & [0 to 90 / 0 / 5V/step] \\
\hline & \multicolumn{3}{|l|}{Electric potential correction amount 4 against Electrify roller fatigue amount, C} \\
\hline \multirow{2}{*}{019} & Setting4:M & *ENG & [ 0 to \(90 / 0 / 5 \mathrm{~V} /\) step] \\
\hline & \multicolumn{3}{|l|}{Electric potential correction amount 4 against Electrify roller fatigue amount, M} \\
\hline \multirow{2}{*}{020} & Setting4:Y & *ENG & [ 0 to \(90 / 0 / 5 \mathrm{~V} /\) step] \\
\hline & \multicolumn{3}{|l|}{Electric potential correction amount 4 against Electrify roller fatigue amount, Y} \\
\hline \multirow[b]{2}{*}{021} & Setting5:K & *ENG & [0 to \(90 / 0 / 1 \mathrm{~V} /\) step] \\
\hline & \multicolumn{3}{|l|}{Variation amount 5 K , for correcting electric potential phase when environment changes.} \\
\hline \multirow[b]{2}{*}{022} & Setting5: \(C\) & *ENG & [ 0 to \(90 / 0 / 1 \mathrm{~V} /\) step] \\
\hline & \multicolumn{3}{|l|}{Variation amount 5 C, for correcting electric potential phase when environment changes.} \\
\hline \multirow[b]{2}{*}{023} & Setting5:M & *ENG & [ 0 to \(90 / 0 / 1 \mathrm{~V} /\) step] \\
\hline & \multicolumn{3}{|l|}{Variation amount 5 M , for correcting electric potential phase when environment changes.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{024} & Setting5:Y & *ENG & [0 to 90 / 0 / 1V/step] \\
\hline & \multicolumn{3}{|l|}{Variation amount 5 Y , for correcting electric potential phase when environment changes.} \\
\hline \multirow[b]{2}{*}{025} & Setting6:K & *ENG & [-90 to 90 / 4/1V/step] \\
\hline & \multicolumn{3}{|l|}{Electric potential correction amount 6 K , against Electrify roller total rotating time.} \\
\hline \multirow[b]{2}{*}{026} & Setting6:C & *ENG & [-90 to 90 / 4 / 1V/step] \\
\hline & \multicolumn{3}{|l|}{Electric potential correction amount 6 C , against Electrify roller total rotating time.} \\
\hline \multirow[b]{2}{*}{027} & Setting6:M & *ENG & [-90 to 90 / 4 / 1V/step] \\
\hline & \multicolumn{3}{|l|}{Electric potential correction amount 6,M, against Electrify roller total rotating time.} \\
\hline \multirow[b]{2}{*}{028} & Setting6:Y & *ENG & [-90 to 90 / 4 / 1V/step] \\
\hline & \multicolumn{3}{|l|}{Electric potential correction amount 6 Y, against Electrify roller total rotating time.} \\
\hline \multirow{2}{*}{029} & Display:Energized:K & *ENG & [0 to 90 / 0 / 1V/step] \\
\hline & \multicolumn{3}{|l|}{Voltage correction value K, from Electrify roller fatigue.} \\
\hline \multirow{2}{*}{030} & Display:Energized: C & *ENG & [0 to 90 / 0 / 1V/step] \\
\hline & \multicolumn{3}{|l|}{Voltage correction value C, from Electrify roller fatigue.} \\
\hline \multirow{2}{*}{031} & Display:Energized:M & *ENG & [0 to \(90 / 0 / 1 \mathrm{~V} /\) step] \\
\hline & \multicolumn{3}{|l|}{Voltage correction value M, from Electrify roller fatigue.} \\
\hline \multirow{2}{*}{032} & Display:Energized:Y & *ENG & [0 to \(90 / 0 / 1 \mathrm{~V} /\) step] \\
\hline & \multicolumn{3}{|l|}{Voltage correction value Y , from Electrify roller fatigue.} \\
\hline \multirow{2}{*}{033} & Display:Total Rotation:K & *ENG & [ 0 to \(30 / 0 / 1 \mathrm{~V} /\) step] \\
\hline & \multicolumn{3}{|l|}{Voltage correction value K, from Electrify roller total electrification.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{034} & Display:Total Rotation:C & *ENG & [0 to 30 / 0 / 1V/step] \\
\hline & \multicolumn{3}{|l|}{Voltage correction value C, from Electrify roller total electrification.} \\
\hline \multirow{2}{*}{035} & Display:Total Rotation:M & *ENG & [ 0 to \(30 / 0 / 1 \mathrm{~V} /\) step] \\
\hline & \multicolumn{3}{|l|}{Voltage correction value M, from Electrify roller total electrification.} \\
\hline \multirow{2}{*}{036} & Display:Total Rotation:Y & *ENG & [ 0 to \(30 / 0 / 1 \mathrm{~V} /\) step] \\
\hline & \multicolumn{3}{|l|}{Voltage correction value Y , from Electrify roller total electrification.} \\
\hline \multirow[b]{2}{*}{037} & Split Number n: K & *ENG & [1 to 99 / 12 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Coefficient K , for setting electric potential to multiple steps from total electrification time.} \\
\hline \multirow[b]{2}{*}{038} & Split Number n: C & *ENG & [1 to \(99 / 12\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Coefficient C , for setting electric potential to multiple steps from total electrification time.} \\
\hline \multirow[b]{2}{*}{039} & Split Number n: M & *ENG & [1 to 99 / 12 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Coefficient \(M\), for setting electric potential to multiple steps from total electrification time.} \\
\hline \multirow[b]{2}{*}{040} & Split Number n: Y & *ENG & [1 to 99 / 12 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Coefficient Y , for setting electric potential to multiple steps from total electrification time.} \\
\hline \multirow[t]{2}{*}{041} & Display:Energized for target value:K & *ENG & [0 to 90 / 0 / 1V/step] \\
\hline & \multicolumn{3}{|l|}{Target value K, for voltage correction from Electrify roller fatigue.} \\
\hline \multirow[t]{2}{*}{042} & Display:Energized for target value:C & *ENG & [0 to 90 / 0 / 1V/step] \\
\hline & \multicolumn{3}{|l|}{Target value C, for voltage correction from Electrify roller fatigue.} \\
\hline \multirow[t]{2}{*}{043} & Display:Energized for target value:M & *ENG & [0 to 90 / 0 / 1V/step] \\
\hline & \multicolumn{3}{|l|}{Target value M, for voltage correction from Electrify roller fatigue.} \\
\hline
\end{tabular}
\begin{tabular}{|c|l|l|l|}
\hline \multirow{3}{*}{044} & \begin{tabular}{l} 
Display:Energized for target \\
value:Y
\end{tabular} & *ENG & {\([0\) to \(90 / 0 / 1 \mathrm{~V} /\) step \(]\)} \\
\cline { 2 - 4 } & \multicolumn{2}{|l|}{ Target value Y, for voltage correction from Electrify roller fatigue. } \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 2022 & \multicolumn{3}{|l|}{[Charge R Running Par]} \\
\hline \multirow{2}{*}{001} & Display:K & *ENG & [0 to 999999 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Value K, showing the electrification fatigue amount of Electrify roller.} \\
\hline \multirow{2}{*}{002} & Display:C & *ENG & [0 to 999999 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Value C, showing the electrification fatigue amount of Electrify roller.} \\
\hline \multirow{2}{*}{003} & Display:M & *ENG & [0 to 999999 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Value M , showing the electrification fatigue amount of Electrify roller.} \\
\hline \multirow{2}{*}{004} & Display:Y & *ENG & [0 to 999999 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Value Y , showing the electrification fatigue amount of Electrify roller.} \\
\hline \multirow{2}{*}{005} & \begin{tabular}{l}
PCU Rotation Time After \\
Correction: K
\end{tabular} & *ENG & [0 to 9999999 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Calculation value \(K\), for calculating temporary value when RTC can not be acquired.} \\
\hline \multirow{2}{*}{006} & \begin{tabular}{l}
PCU Rotation Time After \\
Correction: C
\end{tabular} & *ENG & [0 to 9999999 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Calculation value C , for calculating temporary value when RTC can not be acquired.} \\
\hline \multirow{2}{*}{007} & \begin{tabular}{l}
PCU Rotation Time After \\
Correction: M
\end{tabular} & *ENG & [0 to 9999999 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Calculation value \(M\), for calculating temporary value when RTC can not be acquired.} \\
\hline \multirow{2}{*}{008} & PCU Rotation Time After Correction: Y & *ENG & [0 to 9999999 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Calculation value Y , for calculating temporary value when RTC can not be acquired.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{009} & Threshold1:K & *ENG & [0 to 4000 / 30/1/step] \\
\hline & \multicolumn{3}{|l|}{Threshold 1 K , against Electrify roller fatigue amount.} \\
\hline \multirow{2}{*}{010} & Threshold1:C & *ENG & [0 to 4000 / 30/1/step] \\
\hline & \multicolumn{3}{|l|}{Threshold 1 C, against Electrify roller fatigue amount.} \\
\hline \multirow{2}{*}{011} & Threshold1:M & *ENG & [0 to 4000 / 30 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Threshold 1 M, against Electrify roller fatigue amount.} \\
\hline \multirow{2}{*}{012} & Threshold1:Y & *ENG & [0 to \(4000 / 30 / 1 /\) step] \\
\hline & \multicolumn{3}{|l|}{Threshold 1 Y , against Electrify roller fatigue amount.} \\
\hline \multirow{2}{*}{013} & Threshold2:K & *ENG & [0 to \(4000 / 70 / 1 /\) step] \\
\hline & \multicolumn{3}{|l|}{Threshold 2 K , against Electrify roller fatigue amount.} \\
\hline \multirow{2}{*}{014} & Threshold2:C & *ENG & [0 to \(4000 / 70\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Threshold 2 C, against Electrify roller fatigue amount.} \\
\hline \multirow{2}{*}{015} & Threshold2:M & *ENG & [0 to \(4000 / 70 / 1 /\) step] \\
\hline & \multicolumn{3}{|l|}{Threshold 2 M , against Electrify roller fatigue amount.} \\
\hline \multirow{2}{*}{016} & Threshold2:Y & *ENG & [0 to \(4000 / 70 / 1 /\) step] \\
\hline & \multicolumn{3}{|l|}{Threshold 2 Y , against Electrify roller fatigue amount.} \\
\hline \multirow{2}{*}{017} & Threshold3:K & *ENG & [0 to \(4000 / 150 / 1 /\) step] \\
\hline & \multicolumn{3}{|l|}{Threshold 3 K , against Electrify roller fatigue amount.} \\
\hline \multirow{2}{*}{018} & Threshold3:C & *ENG & [0 to \(4000 / 150 / 1 /\) step] \\
\hline & \multicolumn{3}{|l|}{Threshold 3 C, against Electrify roller fatigue amount.} \\
\hline \multirow{2}{*}{019} & Threshold3:M & *ENG & [0 to \(4000 / 150 / 1 /\) step] \\
\hline & \multicolumn{3}{|l|}{Threshold 3 M , against Electrify roller fatigue amount.} \\
\hline \multirow{2}{*}{020} & Threshold3:Y & *ENG & [0 to \(4000 / 150 / 1 /\) step] \\
\hline & \multicolumn{3}{|l|}{Threshold 3 Y, against Electrify roller fatigue amount.} \\
\hline \multirow{2}{*}{021} & Threshold4:K & *ENG & [0 to \(4000 / 250 / 1 /\) step] \\
\hline & Threshold 4 K & roller fatig & ue amount. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{022} & Threshold4: C & *ENG & [0 to 4000 / 250 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Threshold 4 C, against Electrify roller fatigue amount.} \\
\hline \multirow{2}{*}{023} & Threshold4:M & *ENG & [0 to 4000 / 250 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Threshold 4 M , against Electrify roller fatigue amount.} \\
\hline \multirow{2}{*}{024} & Threshold4:Y & *ENG & [0 to 4000 / 250 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Threshold 4 Y , against Electrify roller fatigue amount.} \\
\hline \multirow[t]{2}{*}{025} & Prev Correction Calculation Bk:Year & *ENG & [0 to 99 / 0 / 1year/step] \\
\hline & \multicolumn{3}{|l|}{Calculation time of last correction: Year, K.} \\
\hline \multirow[t]{2}{*}{026} & Prev Correction Calculation Bk:Month & *ENG & [1 to 12/0 / 1month/step] \\
\hline & \multicolumn{3}{|l|}{Calculation time of last correction: Month, K.} \\
\hline \multirow[t]{2}{*}{027} & Prev Correction Calculation Bk:Day & *ENG & [1 to 31/0 / 1day/step] \\
\hline & \multicolumn{3}{|l|}{Calculation time of last correction: Day, K.} \\
\hline \multirow[t]{2}{*}{028} & Prev Correction Calculation Bk:Hour & *ENG & [0 to 23/0 / 1hour/step] \\
\hline & \multicolumn{3}{|l|}{Calculation time of last correction: Hour, K.} \\
\hline \multirow[t]{2}{*}{029} & Prev Correction Calculation Bk:Minute & *ENG & [0 to 59 / 0 / 1minute/step] \\
\hline & \multicolumn{3}{|l|}{Calculation time of last correction: Minute, K.} \\
\hline \multirow[t]{2}{*}{030} & \begin{tabular}{l}
Rotation At Prev Correction: \\
PCU: Bk
\end{tabular} & *ENG & [0 to 999999999 / 0 / 1mm/step] \\
\hline & \multicolumn{3}{|l|}{PCU distance when last correction: Year, K.} \\
\hline \multirow[t]{2}{*}{031} & \begin{tabular}{l}
Rotation At Prev Correction: \\
PCU: C
\end{tabular} & *ENG & [0 to 999999999 / 0 / 1mm/step] \\
\hline & \multicolumn{3}{|l|}{PCU distance when last correction: Year, C.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[t]{2}{*}{032} & \begin{tabular}{l}
Rotation At Prev Correction: \\
PCU: M
\end{tabular} & *ENG & [0 to 999999999 / 0 / 1mm/step] \\
\hline & \multicolumn{3}{|l|}{PCU distance when last correction: Year, M.} \\
\hline \multirow[t]{2}{*}{033} & Rotation At Prev Correction: PCU: Y & *ENG & [0 to 999999999 / 0 / 1mm/step] \\
\hline & \multicolumn{3}{|l|}{PCU distance when last correction: Year, Y.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 2101 [Registration Correction] & \multicolumn{3}{|l|}{[Registration Correction]} \\
\hline \multirow[b]{2}{*}{001} & Color Main Dot: Bk & *ENG & [-512 to 511 / 0 / 1dot/step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Adjusts main scan register of BK color. \\
- Value increase: image shifts to right facing the paper. \\
- Value decrease: image shifts to left facing the paper. \\
CMY colors can be adjusted to BK color position if execute MUSIC after operating this SP.
\end{tabular}} \\
\hline & Color Main Dot: Ma & *ENG & [-512 to 511 / 0 / 1dot/step] \\
\hline 002 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Adjusts main scan register of BK color. \\
- Value increase: image shifts to right facing the paper. \\
- Value decrease: image shifts to left facing the paper. \\
By operating this SP, main scan position can be changed, but if MUSIC is executed, automatically will be adjusted to BK position.
\end{tabular}} \\
\hline & Color Main Dot: Cy & *ENG & [-512 to 511 / 0 / 1dot/step] \\
\hline 003 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Adjusts main scan register of BK color. \\
- Value increase: image shifts to right facing the paper. \\
- Value decrease: image shifts to left facing the paper. \\
By operating this SP, main scan position can be changed, but if MUSIC is executed, automatically will be adjusted to BK position.
\end{tabular}} \\
\hline & Color Main Dot: Ye & *ENG & [-512 to 511 / 0 / 1dot/step] \\
\hline 004 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Adjusts main scan register of BK color. \\
- Value increase: image shifts to right facing the paper. \\
- Value decrease: image shifts to left facing the paper. \\
By operating this SP, main scan position can be changed, but if MUSIC is executed, automatically will be adjusted to BK position.
\end{tabular}} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{005} & Color Sub Line: Bk & *ENG & [-16384 to 16383 / 0 / 1line/step] \\
\hline & \multicolumn{3}{|l|}{For BK color, even using this SP, sub scan image position against paper will not change, mush be adjust with paper feed timing.} \\
\hline \multirow[b]{2}{*}{006} & Color Sub Line: Ma & *ENG & [-16384 to 16383 / 0 / 1line/step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
- Value increase: image shifts to downer facing the paper. \\
- Value decrease: image shifts to upper facing the paper. \\
By operating this SP, sub scan position can be changed, but if MUSIC is executed, automatically will be adjusted to BK position.
\end{tabular}} \\
\hline \multirow[b]{2}{*}{007} & Color Sub Line: Cy & *ENG & [-16384 to 16383 / 0 / 1line/step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
- Value increase: image shifts to downer facing the paper. \\
- Value decrease: image shifts to upper facing the paper. \\
By operating this SP, sub scan position can be changed, but if MUSIC is executed, automatically will be adjusted to BK position.
\end{tabular}} \\
\hline \multirow[b]{2}{*}{008} & Color Sub Line: Ye & *ENG & [-16384 to 16383 / 0 / 1line/step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
- Value increase: image shifts to downer facing the paper. \\
- Value decrease: image shifts to upper facing the paper. \\
By operating this SP, sub scan position can be changed, but if MUSIC is executed, automatically will be adjusted to BK position.
\end{tabular}} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2102} & \multicolumn{3}{|l|}{[Magnification Adjustment]} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Adjusts main scan lower speed scale for BK color. \\
- Value increase: image stretches. \\
- Value decrease: image shrinks \\
CMY color scale will fit to standard BK speed after executing MUSIC; only BK color will have a different scale in the image even with out executing MUSIC after this SP.
\end{tabular}} \\
\hline 001 & Main Mag.: Standard Speed: Bk & *ENG & \multirow{3}{*}{\begin{tabular}{l}
[-2.000 to \(2.000 / 0.000 /\) \\
0.001\%/step]
\end{tabular}} \\
\hline 002 & Main Mag.: Middle Speed: Bk & *ENG & \\
\hline 003 & Main Mag.: Low Speed: Bk & *ENG & \\
\hline & \multicolumn{3}{|l|}{[Magnification Adjustment]} \\
\hline 2102 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Adjusts main scan scale. \\
- Value increase: image stretches. \\
- Value decrease: image shrinks \\
With operating this SP, scale can be changed, but if MUSIC is executed after, automatically will be adjusted so fit standard speed BK color scale.
\end{tabular}} \\
\hline 004 & Main Mag.: Standard Speed: Ma & *ENG & \multirow{9}{*}{\begin{tabular}{l}
[-2.000 to 2.000 / 0.000 / \\
0.001\%/step]
\end{tabular}} \\
\hline 005 & Main Mag.: Middle Speed: Ma & *ENG & \\
\hline 006 & Main Mag.: Low Speed: Ma & *ENG & \\
\hline 007 & Main Mag.: Standard Speed:
Cy & *ENG & \\
\hline 008 & Main Mag.: Middle Speed: Cy & *ENG & \\
\hline 009 & Main Mag.: Low Speed: Cy & *ENG & \\
\hline 010 & Main Mag.: Standard Speed: Ye & *ENG & \\
\hline 011 & Main Mag.: Middle Speed: Ye & *ENG & \\
\hline 012 & Main Mag.: Low Speed: Ye & *ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2102} & \multicolumn{3}{|l|}{[Magnification Adjustment]} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Adjusts scale against standard speed BK. \\
- Value increase: image stretches. \\
- Value decrease: image shrinks \\
With operating this SP, scale can be changed, but if MUSIC is executed after, automatically will be adjusted so to match standard speed BK color scale
\end{tabular}} \\
\hline 028 & Color Main Mag.: High Speed: Ma & *ENG & \multirow{3}{*}{\[
\begin{aligned}
& {[-2.000 \text { to } 2.000 / 0.000 /} \\
& 0.001 \% / \text { step }]
\end{aligned}
\]} \\
\hline 031 & Color Main Mag.: High Speed: Cy & *ENG & \\
\hline 034 & Color Main Mag.: High Speed: Ye & *ENG & \\
\hline 2102 & \multicolumn{3}{|l|}{[Main Scan Beam Pitch Adj.]} \\
\hline \multirow{2}{*}{037} & Bk: \(1^{\text {st }}-2^{\text {nd }}\) & *ENG & [0.00 to \(100.00 / 12.15\) / 0.01dot/step] \\
\hline & \multicolumn{3}{|l|}{Adjusts main scan beam pitch against BK color LD1 Only for factory adjust.} \\
\hline \multirow{2}{*}{038} & Bk: \(1^{\text {st }} 3^{\text {rd }}\) & *ENG & [0.00 to 100.00 / 24.29 / 0.01dot/step] \\
\hline & \multicolumn{3}{|l|}{Adjusts main scan beam pitch against BK color LD1 Only for factory adjust.} \\
\hline \multirow{2}{*}{039} & Bk: \(1^{\text {st }} 4^{\text {th }}\) & *ENG & [0.00 to 100.00 / 36.44 / 0.01dot/step] \\
\hline & \multicolumn{3}{|l|}{Adjusts main scan beam pitch against BK color LD1 Only for factory adjust.} \\
\hline \multirow{2}{*}{040} & Ma: \(1^{\text {st }} 2^{\text {nd }}\) & *ENG & [0.00 to 100.00 / 12.15 / 0.01dot/step] \\
\hline & \multicolumn{3}{|l|}{Adjusts main scan beam pitch against M color LD1 Only for factory adjust.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{041} & Ma: \(1^{\text {stt }}-3^{\text {rd }}\) & *ENG & \begin{tabular}{l}
[0.00 to \(100.00 / 24.29\) / \\
0.01dot/step]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Adjusts main scan beam pitch against M color LD1 Only for factory adjust.} \\
\hline \multirow{2}{*}{042} & Ma: \(1^{\text {st }}-4^{\text {th }}\) & *ENG & \begin{tabular}{l}
[0.00 to 100.00 / 36.44 / \\
0.01dot/step]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Adjusts main scan beam pitch against M color LD1 Only for factory adjust.} \\
\hline \multirow{2}{*}{043} & Cy: \(1^{\text {st }}-2^{\text {nd }}\) & *ENG & [0.00 to \(100.00 / 12.15\) / 0.01dot/step] \\
\hline & \multicolumn{3}{|l|}{Adjusts main scan beam pitch against M color LD1 Only for factory adjust.} \\
\hline \multirow{2}{*}{044} & \(C y: 1^{\text {st }}-3^{\text {rd }}\) & *ENG & \begin{tabular}{l}
[0.00 to 100.00 / 24.29 / \\
0.01dot/step]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Adjusts main scan beam pitch against M color LD1 Only for factory adjust.} \\
\hline \multirow{2}{*}{045} & Cy: \(1^{\text {st }}-4^{\text {th }}\) & *ENG & [0.00 to 100.00 / 36.44 / 0.01dot/step] \\
\hline & \multicolumn{3}{|l|}{Adjusts main scan beam pitch against M color LD1 Only for factory adjust.} \\
\hline \multirow{2}{*}{046} & Ye: \(1^{\text {st }}-2^{\text {nd }}\) & *ENG & \begin{tabular}{l}
[0.00 to \(100.00 / 12.15\) / \\
0.01dot/step]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Adjusts main scan beam pitch against Y color LD1 Only for factory adjust.} \\
\hline \multirow{2}{*}{047} & Ye: \(1^{\text {st }}-3^{\text {rd }}\) & *ENG & \begin{tabular}{l}
[0.00 to 100.00 / 24.29 / \\
0.01dot/step]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Adjusts main scan beam pitch against Y color LD1 Only for factory adjust.} \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|l|}
\hline \multirow{3}{*}{048} & Ye: \(1^{\text {st }-4}\) & *ENG & \begin{tabular}{l} 
[h.00 to \(100.00 / 36.44 /\) \\
0.01 dot/step \(]\)
\end{tabular} \\
\cline { 2 - 4 } & \begin{tabular}{l} 
Adjusts main scan beam pitch against Y color LD1 \\
Only for factory adjust.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 2103 & \multicolumn{3}{|l|}{[Erase Margin Adjustment]} \\
\hline \multirow[b]{2}{*}{001} & Lead Edge Width & *ENG & [0.0 to 9.9 / 4.2 / 0.1mm/step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Adjusts trimming for sub scan lead edge. \\
- Value increase: Trim wider. \\
- Value decrease: Trim narrower.
\end{tabular}} \\
\hline \multirow[b]{2}{*}{002} & Trail. Edge Width & *ENG & [0.0 to 9.9 / \(4.2 / 0.1 \mathrm{~mm} / \mathrm{step}\) ] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Adjusts trimming for sub scan trailing edge. \\
- Value increase: Trim wider. \\
- Value decrease: Trim narrower. \\
When printing, follow margin set with application.
\end{tabular}} \\
\hline \multirow[b]{2}{*}{003} & Left & *ENG & [ 0.0 to 9.0 / \(\mathbf{2 . 0} / 0.1 \mathrm{~mm} / \mathrm{step}\) ] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Adjusts trimming for sub scan left edge. \\
- Value increase: Trim wider. \\
- Value decrease: Trim narrower. \\
When printing, follow margin set with application.
\end{tabular}} \\
\hline \multirow[b]{2}{*}{004} & Right & *ENG & [0.0 to 9.0 / \(\mathbf{2 . 0} / 0.1 \mathrm{~mm} / \mathrm{step}\) ] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Adjusts trimming for sub scan right edge. \\
- Value increase: Trim wider. \\
- Value decrease: Trim narrower. \\
When printing, follow margin set with application.
\end{tabular}} \\
\hline \multirow{2}{*}{2103} & \multicolumn{3}{|l|}{[Erase Margin Adjustment]} \\
\hline & \multicolumn{3}{|l|}{Sets trim for duplex.} \\
\hline 006 & Duplex Trail. L Size & *ENG & [0.0 to 4.0 / 1.0 / 0.1mm/step] \\
\hline 007 & Duplex Trail. M Size & *ENG & [ 0.0 to 4.0 / \(0.8 / 0.1 \mathrm{~mm} / \mathrm{step}\) ] \\
\hline 008 & Duplex Trail. S Size & *ENG & [0.0 to 4.0 / 0.6 / \(0.1 \mathrm{~mm} / \mathrm{step}\) ] \\
\hline
\end{tabular}
\begin{tabular}{|c|l|l|l|}
\hline 009 & Duplex Left Edge & *ENG & {\([0.0\) to \(1.5 / 0.3 / 0.1 \mathrm{~mm} / \mathrm{step}]\)} \\
\hline 010 & Duplex Right Edge & *ENG & {\([0.0\) to \(1.5 / 0.3 / 0.1 \mathrm{~mm} / \mathrm{step}]\)} \\
\hline 011 & Duplex Trail. L Size:Thick & *ENG & {\([0.0\) to \(4.0 / 1.0 / 0.1 \mathrm{~mm} / \mathrm{step}]\)} \\
\hline 012 & Duplex Trail. M Size:Thick & *ENG & {\([0.0\) to \(4.0 / 0.8 / 0.1 \mathrm{~mm} / \mathrm{step}]\)} \\
\hline 013 & Duplex Trail. S Size:Thick & *ENG & {\([0.0\) to \(4.0 / 0.6 / 0.1 \mathrm{~mm} / \mathrm{step}]\)} \\
\hline 014 & Duplex Left Edge:Thick & *ENG & {\([0.0\) to \(1.5 / 0.3 / 0.1 \mathrm{~mm} / \mathrm{step}]\)} \\
\hline 015 & Duplex Right Edge:Thick & *ENG & {\([0.0\) to \(1.5 / 0.3 / 0.1 \mathrm{~mm} / \mathrm{step}]\)} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{2106} & \multicolumn{3}{|l|}{[Polygon Rotation Time]} \\
\hline & \multicolumn{3}{|l|}{Sets pre-rotating time/ post-rotating time for polygon motor.} \\
\hline \multirow[b]{2}{*}{001} & Warming-Up & *ENG & [0 to \(60 / 10 / 1 \mathrm{sec} / \mathrm{step}]\) \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Sets pre-rotating time for polygon motor. With touching the operating during standby, polygon motor will pre-rotate. \\
With this, waiting time will be shorter.
\end{tabular}} \\
\hline \multirow[b]{2}{*}{002} & Job End & *ENG & [0.0 to 60.0 / 0.1 / 0.1sec/step] \\
\hline & \multicolumn{3}{|l|}{Sets post-rotating time for polygon motor. Polygon motor will post-rotate after printing. If a print order come during post-rotation, printing will start faster.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 2107 & [Image Parameter] & & \\
\hline \multirow{2}{*}{001} & Image Gamma Flag & ENG & [0 or 1 / 1 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Turns writing Gamma property ON/OFF. For Design evaluation.} \\
\hline \multirow{2}{*}{002} & Shading Correction Flag & *ENG & [ 0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Turns shading area correction ON/OFF. For Design evaluation.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|}
\hline 2109 & \multicolumn{4}{|l|}{[Test Pattern]} \\
\hline \multirow{14}{*}{003} & Patt & rn Selection & ENG & [0 to \(23 / 0\) / 1/step] \\
\hline & \multicolumn{4}{|l|}{Select patterns.} \\
\hline & 0 & None & 12 & Independent Pattern (2dot) \\
\hline & 1 & Vertical Line (1dot) & 13 & Independent Pattern (4dot) \\
\hline & 2 & Vertical Line (2dot) & 14 & Trimming Area \\
\hline & 3 & Horizontal Line (1dot) & 15 & Hound's Tooth Check (Vertical) \\
\hline & 4 & Horizontal Line (2dot) & 16 & Hound's Tooth Check (Horizontal) \\
\hline & 5 & Grid Vertical Line & 17 & Band (Horizontal) \\
\hline & 6 & Grid Horizontal Line & 18 & Band (Vertical) \\
\hline & 7 & Grid Pattern Small & 19 & Checker Flag Pattern \\
\hline & 8 & Grid Pattern Large & 20 & Grayscale (Vertical Margin) \\
\hline & 9 & Argyle Pattern Small & 21 & Grayscale (Horizontal Margin) \\
\hline & 10 & Argyle Pattern Large & 22 & Two Beam Density Pattern \\
\hline & 11 & Independent Pattern (1dot) & 23 & Full Dot Pattern \\
\hline \multirow[t]{2}{*}{005} & \multicolumn{2}{|l|}{Color Selection} & ENG & \[
\begin{aligned}
& \text { [1 to } 4 / 1 \text { / 1/step] } \\
& \text { 1: All Color } \\
& \text { 2: Ma } \\
& 3: \mathrm{Ye} \\
& \text { 4: Cy }
\end{aligned}
\] \\
\hline & \multicolumn{4}{|l|}{Selects output color for writing test pattern.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{006} & Density: Bk & ENG & [0 to 15 / 15 / 1/step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Sets test patterns density. \\
- Value increase: Deeper \\
- Value decrease: Thinner
\end{tabular}} \\
\hline \multirow[b]{2}{*}{007} & Density: Ma & ENG & [ 0 to 15 / 15 / 1/step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Sets test patterns density. \\
- Value increase: Deeper \\
- Value decrease: Thinner
\end{tabular}} \\
\hline \multirow[b]{2}{*}{008} & Density: Cy & ENG & [0 to 15 / 15 / 1/step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Sets test patterns density. \\
- Value increase: Deeper \\
- Value decrease: Thinner
\end{tabular}} \\
\hline \multirow[b]{2}{*}{009} & Density: Ye & ENG & [0 to 15 / 15 / 1/step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Sets test patterns density. \\
- Value increase: Deeper \\
- Value decrease: Thinner
\end{tabular}} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{2110} & \multicolumn{3}{|l|}{[LD Driver]} \\
\hline & \multicolumn{3}{|l|}{LD Driver error flag} \\
\hline \multirow[t]{2}{*}{001} & Error Bk & *ENG & [0x0000 to 0xFFFFF / 0x0000 / 1/step]0h \\
\hline & \multicolumn{3}{|l|}{LD Driver error flag Bk color.} \\
\hline \multirow{2}{*}{002} & Error Ma & *ENG & \begin{tabular}{l}
[0x0000 to 0xFFFF / 0x0000 / \\
1/step] Oh
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{LD Driver error flag Ma color (For only model D148/D149/D150. Abxyz models does not use)} \\
\hline \multirow{2}{*}{003} & Error Cy & *ENG & [0x0000 to 0xFFFF / 0x0000 / 1/step] Oh \\
\hline & \multicolumn{3}{|l|}{LD Driver error flag Cy color (For only model D148/D149/D150. Abxyz models does not use)} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[t]{2}{*}{004} & Error Ye & *ENG & [0x0000 to 0xFFFF / 0x0000 / 1/step] Oh \\
\hline & \multicolumn{3}{|l|}{LD Driver error flag Ye color (For abxyz/model D148/D149/D150)} \\
\hline \multirow[b]{2}{*}{005} & Writing Unit Adj. Transfer & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Execution flag to download adjustment values of writing unit to main units SP. Executes when replacing the writing unit or assembling main unit} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{2111} & \multicolumn{3}{|l|}{[Forced Line Position Adj.]} \\
\hline & \multicolumn{3}{|l|}{Executes force correction of color match.} \\
\hline \multirow{2}{*}{001} & Mode a & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Executes MUSIC mode a ( fine-tune x 2)} \\
\hline \multirow{2}{*}{002} & Mode b & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Executes MUSIC mode b ( fine-tune \(\times 1\) )} \\
\hline \multirow{2}{*}{003} & Mode c & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Executes MUSIC mode c (rough-tune \(\times 1\) )} \\
\hline \multirow{2}{*}{004} & Mode d & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Executes MUSIC mode d (rough-tune then fine-tune)} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 2112 & \multicolumn{3}{|l|}{[TM/ID Sensor Check]} \\
\hline \multirow{2}{*}{001} & Execute & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Executes test mode for Image transfer belt / TMP sensor.} \\
\hline \multirow[b]{2}{*}{010} & General:FCR & *ENG & [0 to 999 / - / 1/step] \\
\hline & \multicolumn{3}{|l|}{Shows test results for Image transfer belt / TMP sensor test mode, with 3bits / in the order of [Front][Center][Rear].} \\
\hline
\end{tabular}
\begin{tabular}{|c|l|l|l|}
\hline & Threshold Setting & *ENG & {\([0.00\) to \(3.50 / 1.90 / 0.01 \mathrm{~V} /\) step \(]\)}
\end{tabular}\(|\)\begin{tabular}{l} 
Sets edge detecting threshold value of Image transfer belt / TMP sensor test \\
mode. \\
\begin{tabular}{ll} 
The results will turn out as following in Image transfer belt / TMP sensors test \\
mode. \\
\(-\quad\) When TMP sensor detection value is larger than this setting value: No \\
problems. \\
When TMP sensor detection value is smaller than this setting value: Edge \\
detected.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 2115 & \multicolumn{3}{|l|}{[Gamma Correction]} \\
\hline & Low CPP edge Correction & *ENG & [0 to 100 / 80 / 1\%/step] \\
\hline 001 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Sets gamma correction value of valid pixel for low CPP edge process. \\
- Value increase: Deeper density \\
- Value decrease: thinner density
\end{tabular}} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 2117 & \multicolumn{3}{|l|}{[Skew Adjustment]} \\
\hline \multirow{2}{*}{001} & Pulse: M & *ENG & [-75 to 75 / 0 / 1pulse/step] \\
\hline & \multicolumn{3}{|l|}{M: skew adjust: input} \\
\hline \multirow{2}{*}{002} & Pulse: C & *ENG & [-75 to 75 / 0 / 1pulse/step] \\
\hline & \multicolumn{3}{|l|}{C: skew adjust: input} \\
\hline \multirow{2}{*}{003} & Pulse: Y & *ENG & [-99 to 99 / 0 / 1pulse/step] \\
\hline & \multicolumn{3}{|l|}{Y: skew adjust: input} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 2118 & [Skew Adjustment] & & \\
\hline \multirow{2}{*}{001} & Execute: M & ENG & [0 or \(1 /\) - / -] \\
\hline & \multicolumn{3}{|l|}{M: skew adjust: execute} \\
\hline \multirow{2}{*}{002} & Execute: C & ENG & [0 or \(1 /\) - / -] \\
\hline & \multicolumn{3}{|l|}{C: skew adjust: execute} \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|l|}
\hline \multirow{3}{*}{003} & Execute: \(Y\) & ENG & {\([0\) or \(1 /-/-]\)} \\
\cline { 2 - 4 } & Y: skew adjust: execute & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 2119 & \multicolumn{3}{|l|}{[Skew Adjustment Display]} \\
\hline \multirow{2}{*}{001} & M & *ENG & [-75 to 75 / 0 / 1pulse/step] \\
\hline & \multicolumn{3}{|l|}{M: skew current location: display.} \\
\hline \multirow{2}{*}{002} & C & *ENG & [-75 to 75 / 0 / 1pulse/step] \\
\hline & \multicolumn{3}{|l|}{C: skew current location: display.} \\
\hline \multirow{2}{*}{003} & Y & *ENG & [-99 to 99 / 0 / 1pulse/step] \\
\hline & \multicolumn{3}{|l|}{Y: skew current location: display.} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline 2120 & \multicolumn{4}{|l|}{ [Thick Paper Skew Adj] } \\
\hline \multirow{3}{*}{001} & On/Off & *ENG & {\([0\) or \(1 / 1 / 1 /\) step \(]\)} \\
\cline { 2 - 4 } & Corrects thick paper skew. & \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline 2121 & \multicolumn{3}{|l|}{ [Skew Adjust Coefficient] } \\
\hline \multirow{3}{*}{001} & Coefficient & *ENG & {\([0\) to \(2 / 0 / 1 /\) step \(]\)} \\
\cline { 2 - 4 } & Correcting coefficient for skew. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 2140 & \multicolumn{3}{|l|}{[TM/ID Sensor Check Result]} \\
\hline & PWM: Front & ENG & [0 to 1023 / 0 / 1/step] \\
\hline 005 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Saves / Refreshes PWM setting value of TMP sensor [Front] to this setting value when Vsg adjustment is done. \\
From then on, PWM setting value will be this setting value during belt check. When Vsg adjust fails, saving / refreshing will not be done to this setting
\end{tabular}} \\
\hline & PWM: Center & *ENG & [0 to 1023 / 0 / 1/step] \\
\hline 006 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Saves / Refreshes PWM setting value of TMP sensor [Center] to this setting value when Vsg adjustment is done. \\
From then on, PWM setting value will be this setting value during belt check. When Vsg adjust fails, saving / refreshing will not be done to this setting
\end{tabular}} \\
\hline & PWM: Rear & *ENG & [0 to 1023 / 0 / 1/step] \\
\hline 007 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Saves / Refreshes PWM setting value of TMP sensor [Rear] to this setting value when Vsg adjustment is done. \\
From then on, PWM setting value will be this setting value during belt check. When Vsg adjust fails, saving / refreshing will not be done to this setting
\end{tabular}} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 2141 & \multicolumn{3}{|l|}{[TM/ID Sensor Check Result]} \\
\hline \multirow[b]{2}{*}{005} & Average: Front & *ENG & [0.00 to \(5.50 / 0.00 / 0.01 \mathrm{~V} /\) step] \\
\hline & \multicolumn{3}{|l|}{Saves / Refreshes TMP sensor [Front] detecting result average data to this SP from result of Image transfer belt / TMP sensor check mode.} \\
\hline \multirow[b]{2}{*}{006} & Average: Center & *ENG & [ 0.00 to \(5.50 / 0.00 / 0.01 \mathrm{~V} /\) step] \\
\hline & \multicolumn{3}{|l|}{Saves / Refreshes TMP sensor [Center] detecting result average data to this SP from result of Image transfer belt / TMP sensor check mode.} \\
\hline \multirow[b]{2}{*}{007} & Average: Rear & *ENG & [ 0.00 to \(5.50 / 0.00 / 0.01 \mathrm{~V} /\) step] \\
\hline & \multicolumn{3}{|l|}{Saves / Refreshes TMP sensor [Rear] detecting result average data to this SP from result of Image transfer belt / TMP sensor check mode.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 2142 & \multicolumn{3}{|l|}{[TM/ID Sensor Check Result]} \\
\hline \multirow[b]{2}{*}{005} & Maximum: Front & *ENG & [0.00 to \(5.50 / 0.00 / 0.01 \mathrm{~V} /\) step] \\
\hline & \multicolumn{3}{|l|}{With the image transfer belt / TMP sensor check mode result, take average of each 10 sampling data from TMP sensors [Front] detecting result data, and from of all sampling data, save / refresh this SP with the max. value.} \\
\hline \multirow[b]{2}{*}{006} & Maximum: Center & *ENG & [ 0.00 to \(5.50 / 0.00\) / 0.01V/step] \\
\hline & \multicolumn{3}{|l|}{With the image transfer belt / TMP sensor check mode result, take average of each 10 sampling data from TMP sensors [Center] detecting result data, and from of all sampling data, save / refresh this SP with the max. value.} \\
\hline \multirow[b]{2}{*}{007} & Maximum: Rear & *ENG & [0.00 to \(5.50 / 0.00\) / 0.01V/step] \\
\hline & \multicolumn{3}{|l|}{With the image transfer belt / TMP sensor check mode result, take average of each 10 sampling data from TMP sensors [Rear] detecting result data, and from of all sampling data, save / refresh this SP with the max. value.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 2143 & \multicolumn{3}{|l|}{[TM/ID Sensor Check Result]} \\
\hline & Minimum: Front & *ENG & [0.00 to \(5.50 / 0.00 / 0.01 \mathrm{~V} /\) step] \\
\hline 005 & \multicolumn{3}{|l|}{With the image transfer belt / TMP sensor check mode result, take average of each 10 sampling data from TMP sensors [Front] detecting result data, and from of all sampling data, save / refresh this SP with the min. value.} \\
\hline & Minimum: Center & *ENG & [0.00 to \(5.50 / 0.00 / 0.01 \mathrm{~V} /\) step] \\
\hline 006 & \multicolumn{3}{|l|}{With the image transfer belt / TMP sensor check mode result, take average of each 10 sampling data from TMP sensors [Center] detecting result data, and from of all sampling data, save / refresh this SP with the min. value.} \\
\hline & Minimum: Rear & *ENG & [0.00 to \(5.50 / 0.00 / 0.01 \mathrm{~V} /\) step] \\
\hline 007 & \multicolumn{3}{|l|}{With the image transfer belt / TMP sensor check mode result, take average of each 10 sampling data from TMP sensors [Rear] detecting result data, and from of all sampling data, save / refresh this SP with the min. value.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 2144 & \multicolumn{3}{|l|}{[TM/ID Sensor Check Result]} \\
\hline & Maximum 2: Front & *ENG & [0.00 to \(5.50 / 0.00 / 0.01 \mathrm{~V} /\) step] \\
\hline 005 & \multicolumn{3}{|l|}{Saves/ refreshes this SP with the max. value of all sampling data form TMP sensor [Front] detecting result data by image transfer belt / TMP sensor check mode result.} \\
\hline & Maximum 2: Center & *ENG & [0.00 to \(5.50 / 0.00\) / \(0.01 \mathrm{~V} /\) step] \\
\hline 006 & \multicolumn{3}{|l|}{Saves/ refreshes this SP with the max. value of all sampling data form TMP sensor [Center] detecting result data by image transfer belt / TMP sensor check mode result.} \\
\hline & Maximum 2: Rear & *ENG & [0.00 to \(5.50 / 0.00 / 0.01 \mathrm{~V} /\) step] \\
\hline 007 & \multicolumn{3}{|l|}{Saves/ refreshes this SP with the max. value of all sampling data form TMP sensor [Rear] detecting result data by image transfer belt / TMP sensor check mode result.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 2145 & \multicolumn{3}{|l|}{[TM/ID Sensor Check Result]} \\
\hline & Minimum 2: Front & *ENG & [0.00 to 5.50 / 0.00 / 0.01V/step] \\
\hline 005 & \multicolumn{3}{|l|}{Saves/ refreshes this SP with the min. value of all sampling data form TMP sensor [Front] detecting result data by image transfer belt / TMP sensor check mode result.} \\
\hline & Minimum 2: Center & *ENG & [0.00 to \(5.50 / 0.00 / 0.01 \mathrm{~V} /\) step] \\
\hline 006 & \multicolumn{3}{|l|}{Saves/ refreshes this SP with the min. value of all sampling data form TMP sensor [Center] detecting result data by image transfer belt / TMP sensor check mode result.} \\
\hline & Minimum 2: Rear & *ENG & [0.00 to 5.50 / 0.00 / 0.01V/step] \\
\hline 007 & \multicolumn{3}{|l|}{Saves/ refreshes this SP with the min. value of all sampling data form TMP sensor [Rear] detecting result data by image transfer belt / TMP sensor check mode result.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 2146 & \multicolumn{3}{|l|}{[TM-Sensor Test]} \\
\hline \multirow[b]{2}{*}{005} & \begin{tabular}{l}
Number of Edge \\
Detection:Front
\end{tabular} & *ENG & [0 to 16 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{When the TMP sensor [Front] detecting value from the image transfer belt / TMP sensor check mode result is checked as smaller (Edge detected) as then the edge detect threshold setting value (sp2-112-020), Save / refresh this PS with the times checked so.} \\
\hline \multirow[b]{2}{*}{006} & \begin{tabular}{l}
Number of Edge \\
Detection:Center
\end{tabular} & *ENG & [0 to 16 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{When the TMP sensor [Center] detecting value from the image transfer belt / TMP sensor check mode result is checked as smaller (Edge detected) as then the edge detect threshold setting value (sp2-112-020), Save / refresh this PS with the times checked so.} \\
\hline
\end{tabular}
\(\left.\begin{array}{|c|l|l|l|}\hline & \begin{array}{l}\text { Number of Edge } \\
\text { Detection:Rear }\end{array} & \text { *ENG } & {[0 \text { to } 16 / 0 / 1 / \text { step] }}\end{array}\right]\)\begin{tabular}{ll} 
When the TMP sensor [Rear] detecting value from the image transfer belt / TMP \\
sensor check mode result is checked as smaller (Edge detected) as then the \\
edge detect threshold setting value (sp2-112-020), Save / refresh this PS with \\
the times checked so.
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2150} & \multicolumn{3}{|l|}{[Area Mag. Correction]} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Corrects main scan color scale error, deflection. \\
Adjusts start writing position (Register) with sub dot level. \\
- Value increase: image shift to the right side on the print. \\
- Value decrease: image shift to the left side on the print. \\
CMY color can be matched to adjusted BK color position by Using MUSIC after operating this SP.
\end{tabular}} \\
\hline 027 & Area 0: Bk & *ENG & [-16.00 to 16.00 / 0.00 / 0.01dot/step] \\
\hline & \multicolumn{3}{|l|}{[Area Mag. Correction]} \\
\hline 2150 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Corrects main scan color scale error, deflection. \\
Adjusts start writing position (Register) with sub dot level. \\
- Value increase: image stretches topically. \\
- Value decrease: image shrinks topically. \\
CMY color can be matched to adjusted BK color position by Using MUSIC after operating this SP.
\end{tabular}} \\
\hline 028 & Area 1: Bk & *ENG & [-16.00 to 16.00 / 0.00 / 0.01dot/step] \\
\hline 029 & Area 2: Bk & *ENG & [-16.00 to 16.00 / 0.00 / 0.01dot/step] \\
\hline 030 & Area 3: Bk & *ENG & [-16.00 to 16.00 / 0.00 / 0.01dot/step] \\
\hline 031 & Area 4: Bk & *ENG & [-16.00 to 16.00 / 0.00 / 0.01dot/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 032 & Area 5: Bk & *ENG & [-16.00 to 16.00 / 0.00 / 0.01dot/step] \\
\hline 033 & Area 6: Bk & *ENG & \([-16.00\) to \(16.00 / 0.00 /\)
\(0.01 \mathrm{dot} /\) step \(]\) \\
\hline 034 & Area 7: Bk & *ENG & \([-16.00\) to \(16.00 / 0.00 /\)
\(0.01 \mathrm{dot} /\) step \(]\) \\
\hline 035 & Area 8: Bk & *ENG & [-16.00 to 16.00 / 0.00 / 0.01dot/step] \\
\hline 036 & Area 9: Bk & *ENG & \[
\begin{aligned}
& \text { [-16.00 to } 16.00 \text { / } 0.00 \text { / } \\
& 0.01 \mathrm{dot} / \text { step] }
\end{aligned}
\] \\
\hline 037 & Area 10: Bk & *ENG & \([-16.00\) to \(16.00 / 0.00 /\)
\(0.01 \mathrm{dot} /\) /step] \\
\hline 038 & Area 11: Bk & *ENG & \[
\begin{aligned}
& {[-16.00 \text { to } 16.00 / 0.00 /} \\
& 0.01 \mathrm{dot} / \text { /step] }
\end{aligned}
\] \\
\hline 039 & Area 12: Bk & *ENG & \([-16.00\) to \(16.00 / 0.00 /\)
\(0.01 \mathrm{dot} /\) /step] \\
\hline & \multicolumn{3}{|l|}{[Area Mag. Correction]} \\
\hline 2150 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Corrects main scan color scale error, deflection. \\
Adjusts start writing position (Register) with sub dot level. \\
- Value increase: image shift to the right side on the print. \\
- Value decrease: image shift to the left side on the print. \\
CMY color can be matched to adjusted BK color position by Using MUSIC after operating this SP.
\end{tabular}} \\
\hline 079 & Area 0: Ma & *ENG & [-16.00 to 16.00 / 0 / 0.01dot/step] \\
\hline & \multicolumn{3}{|l|}{[Area Mag. Correction]} \\
\hline 2150 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Corrects main scan color scale error, deflection. \\
Adjusts start writing position (Register) with sub dot level. \\
- Value increase: image stretches topically. \\
- Value decrease: image shrinks topically. \\
CMY color can be matched to adjusted BK color position by Using MUSIC after operating this SP.
\end{tabular}} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 080 & Area 1: Ma & *ENG & [-16.00 to 16.00 / 0 / 0.01dot/step] \\
\hline 081 & Area 2: Ma & *ENG & [-16.00 to 16.00 / 0 / 0.01dot/step] \\
\hline 082 & Area 3: Ma & *ENG & [-16.00 to \(16.00 / 0 / 0.01\) dot/step] \\
\hline 083 & Area 4: Ma & *ENG & [-16.00 to 16.00 / 0 / 0.01dot/step] \\
\hline 084 & Area 5: Ma & *ENG & [-16.00 to 16.00 / 0 / 0.01dot/step] \\
\hline 085 & Area 6: Ma & *ENG & [-16.00 to \(16.00 / 0 / 0.01\) dot/step] \\
\hline 086 & Area 7: Ma & *ENG & [-16.00 to \(16.00 / 0 / 0.01 \mathrm{dot} /\) step] \\
\hline 087 & Area 8: Ma & *ENG & [-16.00 to 16.00 / 0 / 0.01dot/step] \\
\hline 088 & Area 9: Ma & *ENG & [-16.00 to \(16.00 / 0 / 0.01\) dot/step] \\
\hline 089 & Area 10: Ma & *ENG & [-16.00 to \(16.00 / 0 / 0.01\) dot/step] \\
\hline 090 & Area 11: Ma & *ENG & [-16.00 to 16.00 / 0 / 0.01dot/step] \\
\hline 091 & Area 12: Ma & *ENG & [-16.00 to \(16.00 / 0 / 0.01\) dot/step] \\
\hline & \multicolumn{3}{|l|}{[Area Mag. Correction]} \\
\hline 2150 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Corrects main scan color scale error, deflection. \\
Adjusts start writing position (Register) with sub dot level. \\
- Value increase: image shift to the right side on the print. \\
- Value decrease: image shift to the left side on the print. \\
CMY color can be matched to adjusted BK color position by Using MUSIC after operating this SP.
\end{tabular}} \\
\hline 131 & Area 0: Cy & *ENG & [-16.00 to \(16.00 / 0 / 0.01\) dot/step] \\
\hline & \multicolumn{3}{|l|}{[Area Mag. Correction]} \\
\hline 2150 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Corrects main scan color scale error, deflection. \\
Adjusts start writing position (Register) with sub dot level. \\
- Value increase: image stretches topically. \\
- Value decrease: image shrinks topically. \\
CMY color can be matched to adjusted BK color position by Using MUSIC after operating this SP.
\end{tabular}} \\
\hline 132 & Area 1: Cy & *ENG & [-16.00 to 16.00 / 0.00 / 0.01dot/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 133 & Area 2: Cy & *ENG & \begin{tabular}{l}
[-16.00 to 16.00 / 0.00 / \\
0.01dot/step]
\end{tabular} \\
\hline 134 & Area 3: Cy & *ENG & [-16.00 to 16.00 / 0.00 / 0.01dot/step] \\
\hline 135 & Area 4: Cy & *ENG & [-16.00 to 16.00 / 0.00 / 0.01dot/step] \\
\hline 136 & Area 5: Cy & *ENG & [-16.00 to 16.00 / 0.00 / 0.01dot/step] \\
\hline 137 & Area 6: Cy & *ENG & \[
\begin{aligned}
& {[-16.00 \text { to } 16.00 / 0.00 /} \\
& \text { o.01dot/step] }
\end{aligned}
\] \\
\hline 138 & Area 7: Cy & *ENG & \[
\begin{aligned}
& \text { [-16.00 to } 16.00 / 0.00 / \\
& \text { 0.01dot/step] }
\end{aligned}
\] \\
\hline 139 & Area 8: Cy & *ENG & \begin{tabular}{l}
[-16.00 to 16.00 / 0.00 / \\
0.01dot/step]
\end{tabular} \\
\hline 140 & Area 9: Cy & *ENG & \[
\begin{aligned}
& {[-16.00 \text { to } 16.00 / 0.00 /} \\
& 0.01 \mathrm{dot} / \text { /step] }
\end{aligned}
\] \\
\hline 141 & Area 10: Cy & *ENG & \[
\begin{aligned}
& {[-16.00 \text { to } 16.00 / 0.00 /} \\
& \text { 0.01dot/step] }
\end{aligned}
\] \\
\hline 142 & Area 11: Cy & *ENG & \[
\begin{aligned}
& {[-16.00 \text { to } 16.00 / 0.00 /} \\
& 0.01 \mathrm{dot} / \text { /step] }
\end{aligned}
\] \\
\hline 143 & Area 12: Cy & *ENG & \begin{tabular}{l}
[-16.00 to 16.00 / 0.00 \\
0.01dot/step]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{[Area Mag. Correction]} \\
\hline 2150 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Corrects main scan color scale error, deflection. \\
Adjusts start writing position (Register) with sub dot level. \\
- Value increase: image shift to the right side on the print. \\
- Value decrease: image shift to the left side on the print. \\
CMY color can be matched to adjusted BK color position by Using MUSIC after operating this SP.
\end{tabular}} \\
\hline 183 & Area 0: Ye & *ENG & \begin{tabular}{l}
[-16.00 to 16.00 / 0.00 \\
0.01dot/step]
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2150} & \multicolumn{3}{|l|}{[Area Mag. Correction]} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Corrects main scan color scale error, deflection. \\
Adjusts start writing position (Register) with sub dot level. \\
- Value increase: image stretches topically. \\
- Value decrease: image shrinks topically. \\
CMY color can be matched to adjusted BK color position by Using MUSIC after operating this SP.
\end{tabular}} \\
\hline 184 & Area 1: Ye & *ENG & \([-16.00\) to \(16.00 / 0.00 /\)
0.01 dot/step] \\
\hline 185 & Area 2: Ye & *ENG & \begin{tabular}{l}
[-16.00 to 16.00 / 0.00 / \\
0.01dot/step]
\end{tabular} \\
\hline 186 & Area 3: Ye & *ENG & \begin{tabular}{l}
[-16.00 to 16.00 / 0.00 / \\
0.01dot/step]
\end{tabular} \\
\hline 187 & Area 4: Ye & *ENG & \begin{tabular}{l}
[-16.00 to 16.00 / 0.00 / \\
0.01dot/step]
\end{tabular} \\
\hline 188 & Area 5: Ye & *ENG & \([-16.00\) to \(16.00 / 0.00 /\)
0.01 dot/step] \\
\hline 189 & Area 6: Ye & *ENG & \([-16.00\) to \(16.00 / 0.00 /\)
0.01 dot/step] \\
\hline 190 & Area 7: Ye & *ENG & \([-16.00\) to \(16.00 / 0.00 /\)
0.01 dot/step] \\
\hline 191 & Area 8: Ye & *ENG & \([-16.00\) to \(16.00 / 0.00 /\)
0.01 dot/step] \\
\hline 192 & Area 9: Ye & *ENG & \([-16.00\) to \(16.00 / 0.00 /\)
0.01 dot/step] \\
\hline 193 & Area 10: Ye & *ENG & \begin{tabular}{l}
[-16.00 to 16.00 / 0.00 / \\
0.01dot/step]
\end{tabular} \\
\hline 194 & Area 11: Ye & *ENG & \([-16.00\) to \(16.00 / 0.00 /\)
0.01 dot/step] \\
\hline 195 & Area 12: Ye & *ENG & [-16.00 to 16.00 / 0.00 / 0.01dot/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2152} & \multicolumn{3}{|l|}{[Shad. Correct Setting]} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Changes exposure light amount. \\
- Value increase: Light amount increases, and image density gets deeper. \\
- Value decrease: Light amount decreases, and image density gets thinner. \\
Except, if Process control is executed, light amount / density will change.
\end{tabular}} \\
\hline 001 & Standard Speed: Bk & *ENG & [50 to 120 / 100 / 1\%/step] \\
\hline 002 & Standard Speed: Ma & *ENG & [50 to 120 / 100 / 1\%/step] \\
\hline 003 & Standard Speed: Cy & *ENG & [ 50 to 120 / 100 / 1\%/step] \\
\hline 004 & Standard Speed: Ye & *ENG & [50 to 120 / 100 / 1\%/step] \\
\hline 005 & Middle Speed: Bk & *ENG & [50 to 120 / 100 / 1\%/step] \\
\hline 006 & Middle Speed: Ma & *ENG & [50 to 120 / 100 / 1\%/step] \\
\hline 007 & Middle Speed: Cy & *ENG & [50 to 120 / 100 / 1\%/step] \\
\hline 008 & Middle Speed: Ye & *ENG & [50 to 120 / 100 / 1\%/step] \\
\hline 009 & Low Speed: Bk & *ENG & [50 to 120 / 100 / 1\%/step] \\
\hline 010 & Low Speed: Ma & *ENG & [50 to 120 / 100 / 1\%/step] \\
\hline 011 & Low Speed: Cy & *ENG & [50 to 120 / 100 / 1\%/step] \\
\hline 012 & Low Speed: Ye & *ENG & [50 to 120 / 100 / 1\%/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline & \multicolumn{3}{|l|}{[Shad. Correct Setting]} \\
\hline 2154 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Changes exposure light amount form each beam. \\
- Value increase: Light amount increases, and image density gets deeper. \\
- Value decrease: Light amount decreases, and image density gets thinner. \\
Except, if Process control is executed, light amount / density will change. \\
Beam interval light amount: No need to operate.
\end{tabular}} \\
\hline 002 & Front End Area: Bk: LD1 & *ENG & [50.0 to 150.0 / 100.0 / 0.1\%/step] \\
\hline 003 & Front End Area: Bk: LD2 & *ENG & [50.0 to 150.0 / 100.0 / 0.1\%/step] \\
\hline 004 & Front End Area: Bk: LD3 & *ENG & [50.0 to 150.0 / 100.0 / 0.1\%/step] \\
\hline 005 & Front End Area: Bk: LD4 & *ENG & [50.0 to 150.0 / 100.0 / 0.1\%/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 007 & Front End Area: Ma: LD1 & *ENG & [50.0 to 150.0 / 100.0 / 0.1\%/step] \\
\hline 008 & Front End Area: Ma: LD2 & *ENG & [50.0 to 150.0 / 100.0 / 0.1\%/step] \\
\hline 009 & Front End Area: Ma: LD3 & *ENG & [50.0 to 150.0 / 100.0 / 0.1\%/step] \\
\hline 010 & Front End Area: Ma: LD4 & *ENG & [50.0 to 150.0 / 100.0 / 0.1\%/step] \\
\hline 012 & Front End Area: Cy: LD1 & *ENG & [50.0 to 150.0 / 100.0 / 0.1\%/step] \\
\hline 013 & Front End Area: Cy: LD2 & *ENG & [50.0 to 150.0 / 100.0 / 0.1\%/step] \\
\hline 014 & Front End Area: Cy: LD3 & *ENG & [50.0 to 150.0 / 100.0 / 0.1\%/step] \\
\hline 015 & Front End Area: Cy: LD4 & *ENG & [50.0 to 150.0 / 100.0 / 0.1\%/step] \\
\hline 017 & Front End Area: Ye: LD1 & *ENG & [50.0 to 150.0 / 100.0 / 0.1\%/step] \\
\hline 018 & Front End Area: Ye: LD2 & *ENG & [50.0 to 150.0 / 100.0 / 0.1\%/step] \\
\hline 019 & Front End Area: Ye: LD3 & *ENG & [50.0 to 150.0 / 100.0 / 0.1\%/step] \\
\hline 020 & Front End Area: Ye: LD4 & *ENG & [50.0 to 150.0 / 100.0 / 0.1\%/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline & \multicolumn{3}{|l|}{[Vertical Line Width]} \\
\hline 2160 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Adjusts vertical line width \\
- Value increase: vertical line gets wider. \\
- Value decrease: vertical line gets thinner Beware for side effects to image.
\end{tabular}} \\
\hline 001 & 600dpi: Bk & *ENG & [10 to \(15 / 15 / 1 /\) step] \\
\hline 002 & 600dpi: Ma & *ENG & [10 to \(15 / 15 / 1 /\) step] \\
\hline 003 & 600dpi: Cy & *ENG & [10 to \(15 / 15 / 1 /\) step] \\
\hline 004 & 600dpi: Ye & *ENG & [10 to \(15 / 15 / 1 /\) step] \\
\hline 005 & 1200dpi: Bk & *ENG & [10 to \(15 / 15 / 1 /\) step] \\
\hline 006 & 1200dpi: Ma & *ENG & [10 to \(15 / 15 / 1 /\) step] \\
\hline 007 & 1200dpi: Cy & *ENG & [10 to \(15 / 15 / 1 /\) step] \\
\hline 008 & 1200dpi: Ye & *ENG & [10 to \(15 / 15 / 1 /\) step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 2160 & \multicolumn{3}{|l|}{[Vertical Line Width]} \\
\hline \multirow{2}{*}{009} & 600dpi:Indet.:Bk & *ENG & [10 to 15 / 14 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Vertical line width correction: isolated dot.} \\
\hline & 1200dpi:Indet.:Bk & *ENG & [10 to \(15 / 15 / 1 /\) step] \\
\hline 010 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Adjusts density for isolated dot. \\
- Value increases: Deeper \\
- Value decreases: Thinner \\
Beware for side effects to image.
\end{tabular}} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 2180 & \multicolumn{3}{|l|}{[Line Pos. Adj. Clear]} \\
\hline \multirow[b]{2}{*}{001} & Color Regist. & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Clears SP value of SP2-101-001 to 004 [Registration Correction (Main Scan)] and SP2-101-005 to 008 [Registration Correction (Sub Scan)].} \\
\hline \multirow{2}{*}{002} & Main Scan Length Detection & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Clears SP value of SP2-102-001 to 012[Magnification Adjustment].} \\
\hline \multirow{2}{*}{003} & MUSIC Result & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Clears SP value of SP2-181-003 to 082 [Line Position Adj. Result].} \\
\hline \multirow{2}{*}{004} & Area Magnification Correction & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Clears SP value of SP2-182-004 to 040 [Line Position Adj. Offset].} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2181} & \multicolumn{3}{|l|}{[Line Position Adj. Result]} \\
\hline & \multicolumn{3}{|l|}{Values will be set from MUSIC (Auto color match) detect result. Refreshes each time executed. No need to operate.} \\
\hline 003 & Skew: M & *ENG & [-5000.000 to 5000.000 / 0.000 / 0.001um/step] \\
\hline 011 & M. Cor.: Dot: M & *ENG & [-512 to 511 / 0 / 1dot/step] \\
\hline 012 & M. Cor.: Subdot: M & *ENG & [-1.00 to 1.00/0.00 / 0.01dot/step] \\
\hline 013 & S. Cor.: 1200 Line: Middle: M & *ENG & [-16384 to 16383 / 0 / 1line/step] \\
\hline 014 & S. Cor.: 1200 Sub: Middle: M & *ENG & [-2.000 to 2.000 / 0.000 / 0.001line/step] \\
\hline 015 & M. Left Mag.: Subdot: M & *ENG & [-32.00 to 32.00 / \(0.00 /\) 0.01dot/step] \\
\hline 016 & M. Right Mag.: Subdot: M & *ENG & [-32.00 to \(32.00 / 0.00 /\) 0.01dot/step] \\
\hline 017 & S. Cor.: 1200 Line: Standard: M & *ENG & [-16384 to 16383 / 0 / 1line/step] \\
\hline 018 & \begin{tabular}{l}
S. Cor.: 1200 Sub: \\
Standard: M
\end{tabular} & *ENG & \([-2.000\) to \(2.000 / 0.000 /\)
0.001 line/step] \\
\hline 019 & S. Cor.: 1200 Line: Low: M & *ENG & [-16384 to 16383 / 0 / 1line/step] \\
\hline 020 & S. Cor.: 1200 Sub: Low: M & *ENG & [-2.000 to \(2.000 / 0.000\) / 0.001line/step] \\
\hline 021 & Skew: C & *ENG & [-5000.000 to 5000.000 / 0.000 / 0.001um/step] \\
\hline 029 & M. Cor.: Dot: C & *ENG & [-512 to 511 / 0 / 1dot/step] \\
\hline 030 & M. Cor.: Subdot: C & *ENG & [-1.00 to 1.00/0.00 / 0.01dot/step] \\
\hline 031 & S. Cor.: 1200 Line: Middle: C & *ENG & [-16384 to 16383 / 0 / 1line/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 032 & S. Cor.: 1200 Sub: Middle: C & *ENG & [-2.000 to 2.000 / 0.000 / 0.001line/step] \\
\hline 033 & C. Left Mag.: Subdot: M & *ENG & [-32.00 to \(32.00 / 0.00\) / 0.01dot/step] \\
\hline 034 & C. Right Mag.: Subdot: M & *ENG & [-32.00 to \(32.00 / 0.00 /\)
0.01 dot/step] \\
\hline 035 & \begin{tabular}{l}
S. Cor.: 1200 Line: Standard: \\
C
\end{tabular} & *ENG & [-16384 to 16383 / 0 / 1line/step] \\
\hline 036 & \begin{tabular}{l}
S. Cor.: 1200 Sub: Standard: \\
C
\end{tabular} & *ENG & \([-2.000\) to \(2.000 / 0.000 /\)
0.001 line/step] \\
\hline 037 & S. Cor.: 1200 Line: Low: C & *ENG & [-16384 to 16383 / 0 / 1line/step] \\
\hline 038 & S. Cor.: 1200 Sub: Low: C & *ENG & \[
\begin{aligned}
& \text { [-2.000 to } 2.000 / 0.000 / \\
& 0.001 \text { line/step] }
\end{aligned}
\] \\
\hline 039 & Skew: Y & *ENG & \([-5000.000\) to \(5000.000 / 0.000 /\)
\(0.001 u m /\) step \(]\) \\
\hline 047 & M. Cor.: Dot: Y & *ENG & [-512 to 511 / 0 / 1dot/step] \\
\hline 048 & M. Cor.: Subdot: Y & *ENG & [-1.00 to 1.00 / 0.00 / 0.01dot/step] \\
\hline 049 & S. Cor.: 1200 Line: Middle: Y & *ENG & [-16384 to 16383 / 0 / 1line/step] \\
\hline 050 & S. Cor.: 1200 Sub: Middle: Y & *ENG & \begin{tabular}{l}
[-2.000 to 2.000 / 0.000 / \\
0.001line/step]
\end{tabular} \\
\hline 051 & Y. Left Mag.: Subdot: M & *ENG & [-32.00 to \(32.00 / 0.00 /\)
0.01dot/step] \\
\hline 052 & Y. Right Mag.: Subdot: M & *ENG & [-32.00 to \(32.00 / 0.00 /\)
0.01dot/step] \\
\hline 053 & S. Cor.: 1200 Line: Standard: Y & *ENG & [-16384 to 16383 / 0 / 1line/step] \\
\hline 054 & S. Cor.: 1200 Sub: Standard: Y & *ENG & \[
\begin{aligned}
& \text { [-2.000 to } 2.000 / 0.000 \text { / } \\
& 0.001 \text { line/step] }
\end{aligned}
\] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 055 & S. Cor.: 1200 Line: Low: Y & *ENG & [-16384 to 16383 / 0 / 1line/step] \\
\hline 056 & S. Cor.: 1200 Sub: Low: Y & *ENG & \[
\begin{aligned}
& \text { [-2.000 to } 2.000 / 0.000 / \\
& 0.001 \text { line/step] }
\end{aligned}
\] \\
\hline 057 & S. Cor.: 600 Sub & *ENG & [-1.000 to \(1.000 / 0.000 /\) 0.001line/step] \\
\hline 059 & S. Cor.: 1200 Sub :High & *ENG & [-2.000 to \(2.000 / 0.000 /\) 0.001line/step] \\
\hline 060 & S. Cor.: 1200 Sub :Low & *ENG & \[
\begin{aligned}
& {[-2.000 \text { to } 2.000 / 0.000 /} \\
& 0.001 \text { line/step] }
\end{aligned}
\] \\
\hline 061 & S. Cor.: 1200 Sub :Middle & *ENG & [-2.000 to \(2.000 / 0.000 /\) 0.001line/step] \\
\hline 064 & M. Cor.: Dot: K & *ENG & [-512 to 511 / 0 / 1dot/step] \\
\hline 072 & LineSift: StandardSpeed: M & *ENG & [0 to 4 / 0 / 1line/step] \\
\hline 073 & LineSift: LowSpeed: M & *ENG & [0 to 4 / 0 / 1line/step] \\
\hline 074 & LineSift: StandardSpeed: C & *ENG & [0 to 4 / 0 / 1line/step] \\
\hline 075 & LineSift: LowSpeed: C & *ENG & [0 to 4 / 0 / 1line/step] \\
\hline 076 & LineSift: StandardSpeed: Y & *ENG & [0 to 4 / 0 / 1line/step] \\
\hline 077 & LineSift: LowSpeed: Y & *ENG & [0 to 4 / 0 / 1line/step] \\
\hline 080 & Detect Diff.: M & *ENG & [-1000.0 to 1000.0 / 0.0 / 0.1/step] \\
\hline 081 & Detect Diff.: C & *ENG & [-1000.0 to 1000.0 / 0.0 / 0.1/step] \\
\hline 082 & Detect Diff.: Y & *ENG & [-1000.0 to 1000.0 / 0.0 / 0.1/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2182} & \multicolumn{3}{|l|}{[Line Position Adj. Offset]} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Use when color shift remains even after MUSIC. Result of MUSIC will be added to this setting value. \\
- Value increases: image shifts towards right facing paper. \\
- Value decreases: image shifts towards left facing paper.
\end{tabular}} \\
\hline 004 & M. Scan: Standard: Dot: M & *ENG & [-512 to 511 / 0 / 1dot/step] \\
\hline 005 & M. Scan: Standard: Subdot: M & *ENG & [-1.00 to 1.00 / 0.0 / 0.01dot/step] \\
\hline 006 & M. Scan: Middle: Dot: M & *ENG & [-512 to 511 / 0 / 1dot/step] \\
\hline 007 & M. Scan: Middle: Subdot: M & *ENG & [-1.00 to 1.00 / 0.00 / 0.01dot/step] \\
\hline 008 & M. Scan: Low: Dot: M & *ENG & [-512 to 511 / 0 / 1dot/step] \\
\hline 009 & M. Scan: Low: Subdot: M & *ENG & [-1.00 to 1.00 / 0.00 / 0.01dot/step] \\
\hline 010 & M. Scan: Standard: Dot: C & *ENG & [-512 to 511 / 0 / 1dot/step] \\
\hline 011 & M. Scan: Standard: Subdot: C & *ENG & [-1.00 to 1.00 / 0.00 / 0.01dot/step] \\
\hline 012 & M. Scan: Middle: Dot: C & *ENG & [-512 to 511 / 0 / 1dot/step] \\
\hline 013 & M. Scan: Middle: Subdot: C & *ENG & [-1.00 to 1.00 / 0.00 / 0.01dot/step] \\
\hline 014 & M. Scan: Low: Dot: C & *ENG & [-512 to 511 / 0 / 1dot/step] \\
\hline 015 & M. Scan: Low: Subdot: C & *ENG & [-1.00 to 1.00 / 0.00 / 0.01dot/step] \\
\hline 016 & M. Scan: Standard: Dot: Y & *ENG & [-512 to 511 / 0 / 1dot/step] \\
\hline 017 & M. Scan: Standard: Subdot: Y & *ENG & [-1.00 to 1.00 / 0.00 / 0.01dot/step] \\
\hline 018 & M. Scan: Middle: Dot: Y & *ENG & [-512 to 511 / 0 / 1dot/step] \\
\hline 019 & M. Scan: Middle: Subdot: Y & *ENG & [-1.00 to 1.00 / 0.00 / 0.01dot/step] \\
\hline 020 & M. Scan: Low: Dot: Y & *ENG & [-512 to 511 / 0 / 1dot/step] \\
\hline 021 & M. Scan: Low: Subdot: Y & *ENG & [-1.00 to 1.00 / 0.00 / 0.01dot/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2182} & \multicolumn{3}{|l|}{[Line Position Adj. Offset]} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Use when color shift remains even after MUSIC. Result of MUSIC will be added to this setting value. \\
- Value increases: image shifts towards downer facing paper. \\
- Value decreases: image shifts towards upper facing paper.
\end{tabular}} \\
\hline 022 & S. Scan: Standard: Line: M & *ENG & [-16384 to 16383 / 0 / 1line/step] \\
\hline 023 & S. Scan: Standard: Subline: M & *ENG & [-1.00 to 1.00 / 0.00 / 0.01line/step] \\
\hline 024 & S. Scan: Middle: Line: M & *ENG & [-16384 to 16383 / 0 / 1line/step] \\
\hline 025 & S. Scan: Middle: Subline: M & *ENG & [-1.00 to 1.00 / 0.00 / 0.01line/step] \\
\hline 026 & S. Scan: Low: Line: M & *ENG & [-16384 to 16383 / 0 / 1line/step] \\
\hline 027 & S. Scan: Low: Subline: M & *ENG & [-1.00 to 1.00 / 0.00 / 0.01line/step] \\
\hline 028 & S. Scan: Standard: Line: C & *ENG & [-16384 to 16383 / 0 / 1line/step] \\
\hline 029 & S. Scan: Standard: Subline: C & *ENG & [-1.00 to 1.00 / 0.00 / 0.01line/step] \\
\hline 030 & S. Scan: Middle: Line: C & *ENG & [-16384 to 16383 / 0 / 1line/step] \\
\hline 031 & S. Scan: Middle: Subline: C & *ENG & [-1.00 to 1.00 / 0.00 / 0.01line/step] \\
\hline 032 & S. Scan: Low: Line: C & *ENG & [-16384 to 16383 / 0 / 1line/step] \\
\hline 033 & S. Scan: Low: Subline: C & *ENG & [-1.00 to 1.00 / 0.00 / 0.01line/step] \\
\hline 034 & S. Scan: Standard: Line: Y & *ENG & [-16384 to 16383 / 0 / 1line/step] \\
\hline 035 & S. Scan: Standard: Subline: Y & *ENG & [-1.00 to 1.00 / 0.00 / 0.01line/step] \\
\hline 036 & S. Scan: Middle: Line: Y & *ENG & [-16384 to 16383 / 0 / 1line/step] \\
\hline 037 & S. Scan: Middle: Subline: Y & *ENG & [-1.00 to 1.00 / 0.00 / 0.01line/step] \\
\hline 038 & S. Scan: Low: Line: Y & *ENG & [-16384 to 16383 / 0 / 1line/step] \\
\hline 039 & S. Scan: Low: Subline: Y & *ENG & [-1.00 to 1.00 / 0.00 / 0.01line/step] \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|l|}
\hline 2182 & \multicolumn{3}{|l|}{ [Line Position Adj. Offset] } \\
\hline 040 & M. Scan: Dot: K & *ENG & [-512 to 511 / 0 / 1dot/step] \\
\cline { 2 - 4 } & \begin{tabular}{l} 
For setting main scan position of BK: MUSIC. \\
No need to operate.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{2}{*}{2187} & \multicolumn{3}{|l|}{ [Method Select] } \\
\cline { 2 - 4 } & MUSIC pattern setting. No need to operate. \\
\hline 002 & MUSIC Pattern Length Adj. & *ENG & {\([-300\) to \(300 / 0 / 1\) dot/step \(]\)} \\
\hline 003 & Pattern Width Adj. & *ENG & {\([-512\) to \(511 / 0 / 1\) dot/step \(]\)} \\
\hline 004 & Pattern Interval Adj. & *ENG & {\([-512\) to \(511 / 0 / 1\) dot/step \(]\)} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{2}{*}{2190} & \multicolumn{3}{|l|}{ [Line Position Adj.] } \\
\cline { 2 - 4 } & \begin{tabular}{l} 
Sets belt scratch misdetection avoiding level for color shift detection. \\
No need to operate.
\end{tabular} \\
\hline 012 & SnSErr Range & *ENG & [0 to 3500 / 200 / 1um/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 2193 & \multicolumn{3}{|l|}{[MUSIC Condition Set]} \\
\hline \multirow[b]{2}{*}{002} & Page: Job End: BW+FC & *ENG & [0 to 999 / 500 / 1page/step] \\
\hline & \multicolumn{3}{|l|}{Condition threshold to auto execute MUSIC or not based on last printed sheets from MUSIC when finish printing in BandW+Color mode.} \\
\hline \multirow[b]{2}{*}{003} & Page: Job End: FC & *ENG & [0 to 999 / 200 / 1page/step] \\
\hline & \multicolumn{3}{|l|}{Condition threshold to auto execute MUSIC or not based on last printed sheets from MUSIC when finish printing in Color mode.} \\
\hline \multirow[b]{2}{*}{004} & Page: Interrupt: BW+FC & *ENG & [0 to 999 / 200 / 1page/step] \\
\hline & \multicolumn{3}{|l|}{Condition threshold to auto execute MUSIC or not based on last printed sheets from MUSIC during printing in BandW+Color mode.} \\
\hline 005 & Page: Interrupt: FC & *ENG & [0 to 999 / 200 / 1page/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline & \multicolumn{3}{|l|}{Condition threshold to auto execute MUSIC or not based on last printed sheets from MUSIC during printing in Color mode.} \\
\hline \multirow[b]{2}{*}{006} & Page: Stand-By: BW & *ENG & [0 to 999 / 100 / 1page/step] \\
\hline & \multicolumn{3}{|l|}{Condition threshold to auto execute MUSIC or not based on last printed BandW+Color sheets from MUSIC during stand-by.} \\
\hline \multirow[b]{2}{*}{007} & Page: Stand-By: FC & *ENG & [0 to 999 / 100 / 1page/step] \\
\hline & \multicolumn{3}{|l|}{Condition threshold to auto execute MUSIC or not based on last printed Color sheets from MUSIC during stand-by.} \\
\hline \multirow[b]{2}{*}{008} & Temp. & *ENG & [0 to 100 / 5 / 1deg/step] \\
\hline & \multicolumn{3}{|l|}{Condition threshold to auto execute MUSIC or not based on the variation of environment temperature (Temperature and humidity sensor) since last MUSIC.} \\
\hline \multirow[b]{2}{*}{009} & Time & *ENG & [1 to 1440 / 300 / 1minute/step] \\
\hline & \multicolumn{3}{|l|}{Condition threshold to auto execute MUSIC on recover from energy save mode / Power on or not based on the elapsed time since last MUSIC.} \\
\hline 010 & Magnification & *ENG & [0.00 to 1.00 / \(\mathbf{0 . 1 0} / 0.01 \% / s t e p]\) \\
\hline \multirow[b]{2}{*}{011} & Temp. 2 & *ENG & [0 to 100 / 5 / 1deg/step] \\
\hline & \multicolumn{3}{|l|}{Condition threshold (Threshold revel: Mid.) to auto execute MUSIC or not based on the variation of internal temperature (drum temp. sensor) since last MUSIC.} \\
\hline 012 & Time 2 & *ENG & [1 to 9999 / 600 / 1minute/step] \\
\hline \multirow[b]{2}{*}{013} & Temp. 3 & *ENG & [0 to \(100 / 10 / 1 \mathrm{deg} /\) step] \\
\hline & \multicolumn{3}{|l|}{Condition threshold (Threshold revel: Hi.) to auto execute MUSIC or not based on the variation of internal temperature (drum temp. sensor) since last MUSIC.} \\
\hline \multirow[b]{2}{*}{016} & Page: Power ON:BW+FC & *ENG & [0 to 999 / 200 / 1page/step] \\
\hline & \multicolumn{3}{|l|}{Condition threshold to auto execute MUSIC on recover from energy save mode / Power on or not based sheets printed during electrification.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 2194 & \multicolumn{3}{|l|}{[MUSIC Execution Result]} \\
\hline \multirow{2}{*}{001} & Year & *ENG & [0 to 99 / 0 / 1year/step] \\
\hline & \multicolumn{3}{|l|}{Saves / Refreshes this SP with "Year" of last MUSIC.} \\
\hline \multirow{2}{*}{002} & Month & *ENG & [1 to \(12 / 1 / 1 \mathrm{month} /\) step] \\
\hline & \multicolumn{3}{|l|}{Saves / Refreshes this SP with "Month" of last MUSIC.} \\
\hline \multirow{2}{*}{003} & Day & *ENG & [1 to \(31 / 1 / 1\) day/step] \\
\hline & \multicolumn{3}{|l|}{Saves / Refreshes this SP with "Day" of last MUSIC.} \\
\hline \multirow{2}{*}{004} & Hour & *ENG & [0 to 23 / 0 / 1hour/step] \\
\hline & \multicolumn{3}{|l|}{Saves / Refreshes this SP with "Hour" of last MUSIC.} \\
\hline \multirow{2}{*}{005} & Minute & *ENG & [0 to 59 / 0 / 1minute/step] \\
\hline & \multicolumn{3}{|l|}{Saves / Refreshes this SP with "Minute" of last MUSIC.} \\
\hline \multirow[b]{2}{*}{006} & Temperature & *ENG & [0 to 100 / 0 / 1deg/step] \\
\hline & \multicolumn{3}{|l|}{Saves / Refreshes this SP with "temperature" (temperature and humidity sensor) of last MUSIC.} \\
\hline 007 & Execution Result & *ENG & \begin{tabular}{l}
[ 0 or \(1 / 0 / 1 /\) step] \\
0 : Success \\
1: Failure
\end{tabular} \\
\hline \multirow[b]{2}{*}{008} & Number of Execution & *ENG & [0 to 999999 / 0 / 1time/step] \\
\hline & \multicolumn{3}{|l|}{Saves / Refreshes this SP with the total count of MUSIC done since machine shipped.} \\
\hline \multirow[b]{2}{*}{009} & Number of Failure & *ENG & [0 to 999999 / 0 / 1time/step] \\
\hline & \multicolumn{3}{|l|}{Saves / Refreshes this SP with the total count of MUSIC failed since machine shipped.} \\
\hline \multirow[b]{2}{*}{010} & Error Result: C & *ENG & [0 to 9 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Saves / Refreshes this SP with the Cyan result among the MUSIC execution result.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{011} & Error Result: M & *ENG & [0 to 9 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Saves / Refreshes this SP with the Magenta result among the MUSIC execution result.} \\
\hline \multirow[b]{2}{*}{012} & Error Result: Y & *ENG & [0 to 9 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Saves / Refreshes this SP with the yellow result among the MUSIC execution result.} \\
\hline \multirow[b]{2}{*}{013} & Error Result: K & *ENG & [0 to 9 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Saves / Refreshes this SP with the Black result among the MUSIC execution result.} \\
\hline \multirow[b]{2}{*}{014} & Temperature 2 & *ENG & [-10 to 100 / 0 / 1deg/step] \\
\hline & \multicolumn{3}{|l|}{Saves / Refreshes this SP with the internal temperature (drum temp. sensor) of last MUSIC.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 2195 & \multicolumn{3}{|l|}{[Realtime MUSIC Condition Set]} \\
\hline \multirow[t]{2}{*}{001} & ON/OFF & *ENG & \[
\begin{aligned}
& \text { [0 or } 1 / 1 / 1 / \text { step }] \\
& \text { 0: OFF } \\
& \text { 1: ON }
\end{aligned}
\] \\
\hline & \multicolumn{3}{|l|}{Sets whether to have real time MUSIC ON (1) or OFF (0).} \\
\hline \multirow[b]{2}{*}{002} & Page: Interrupt: BW+FC & *ENG & [0 to 999 / 50 / 1page/step] \\
\hline & \multicolumn{3}{|l|}{Condition threshold to auto execute real time MUSIC based on the sheets printed with last MUSIC during printing in BandW+Color.} \\
\hline \multirow[b]{2}{*}{003} & Page: Interrupt: FC & *ENG & [0 to 999 / 50 / 1page/step] \\
\hline & \multicolumn{3}{|l|}{Condition threshold to auto execute real time MUSIC based on the sheets printed with last MUSIC during printing in Color.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{004} & Temperature 4 & *ENG & [0 to 100 / 1 / 1deg/step] \\
\hline & \multicolumn{3}{|l|}{Condition threshold (Threshold revel: Mid.) to auto execute real time MUSIC or not based on the variation of internal temperature (drum temp. sensor) since last MUSIC.} \\
\hline \multirow[b]{2}{*}{005} & Temperature 5 & *ENG & [0 to 100 / 1 / 1deg/step] \\
\hline & \multicolumn{3}{|l|}{Condition threshold (Threshold revel: Hi.) to auto execute real time MUSIC or not based on the variation of internal temperature (drum temp. sensor) since last MUSIC.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 2197 & \multicolumn{3}{|l|}{[MUSIC Start Time]} \\
\hline \multirow[b]{2}{*}{001} & MUSIC Start Time (EDT) & *ENG & [10 to 40 / 20 / 10ms/step] \\
\hline & \multicolumn{3}{|l|}{Sets margin time for starting scan to set starting position of scan MUSIC pattern accurately.} \\
\hline \multirow[b]{2}{*}{002} & TM Sensor Position & *ENG & [50.0 to 500.0 / 165.0 / 0.1mm/step] \\
\hline & \multicolumn{3}{|l|}{Sets physical distance information of TMP Sensor to set MUSIC pattern scanning start position accurately.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{2220} & \multicolumn{3}{|l|}{[Skew Origin Set]} \\
\hline & \multicolumn{3}{|l|}{-} \\
\hline \multirow{2}{*}{001} & M: Skew Motor & ENG & [0 or \(1 / 0 /-\) ] \\
\hline & \multicolumn{3}{|l|}{M: skew original setting.} \\
\hline \multirow{2}{*}{002} & C: Skew Motor & ENG & [0 or 1/0/-] \\
\hline & \multicolumn{3}{|l|}{C: skew original setting.} \\
\hline \multirow{2}{*}{003} & Y: Skew Motor & ENG & [0 or \(1 / 0 /-\) ] \\
\hline & \multicolumn{3}{|l|}{Y: skew original setting.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline & \multicolumn{3}{|l|}{[LD Power: Fixed]} \\
\hline 2221 & \multicolumn{3}{|l|}{Decides output setting value as the value set to this SP when not controlling Process control.} \\
\hline 001 & K & *ENG & \multirow{4}{*}{[0 to \(200 / 100 / 1 \% /\) step]} \\
\hline 002 & C & *ENG & \\
\hline 003 & M & *ENG & \\
\hline 004 & Y & *ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 2229 & \multicolumn{3}{|l|}{[Develop DC Vias]} \\
\hline \multirow[b]{2}{*}{001} & Standard Speed: Bk & *ENG & [0 to 800 / 550 / 1-V/step] \\
\hline & \multicolumn{3}{|l|}{Refers to develop bias set to this SP when electric potential control with Process control is not set. (Std. speed: Bk)} \\
\hline \multirow[b]{2}{*}{002} & Standard Speed: C & *ENG & [0 to 800 / 550 / 1-V/step] \\
\hline & \multicolumn{3}{|l|}{Refers to develop bias set to this SP when electric potential control with Process control is not set. (Std. speed: C)} \\
\hline \multirow[b]{2}{*}{003} & Standard Speed: M & *ENG & [0 to 800 / 550 / 1-V/step] \\
\hline & \multicolumn{3}{|l|}{Refers to develop bias set to this SP when electric potential control with Process control is not set. (Std. speed: M)} \\
\hline \multirow[b]{2}{*}{004} & Standard Speed: Y & *ENG & [0 to \(800 / 550\) / 1-V/step] \\
\hline & \multicolumn{3}{|l|}{Refers to develop bias set to this SP when electric potential control with Process control is not set. (Std. speed: Y )} \\
\hline \multirow[b]{2}{*}{005} & Middle Speed Bk & *ENG & [0 to 800 / 550 / 1-V/step] \\
\hline & \multicolumn{3}{|l|}{Refers to develop bias set to this SP when electric potential control with Process control is not set.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{006} & Middle Speed C & *ENG & [0 to 800 / 550 / 1-V/step] \\
\hline & \multicolumn{3}{|l|}{Refers to develop bias set to this SP when electric potential control with Process control is not set.} \\
\hline \multirow[b]{2}{*}{007} & Middle Speed M & *ENG & [0 to 800 / 550 / 1-V/step] \\
\hline & \multicolumn{3}{|l|}{Refers to develop bias set to this SP when electric potential control with Process control is not set.} \\
\hline \multirow[b]{2}{*}{008} & Middle Speed Y & *ENG & [0 to 800 / 550 / 1-V/step] \\
\hline & \multicolumn{3}{|l|}{Refers to develop bias set to this SP when electric potential control with Process control is not set.} \\
\hline \multirow[b]{2}{*}{009} & Low Speed: Bk & *ENG & [0 to 800 / 550 / 1-V/step] \\
\hline & \multicolumn{3}{|l|}{Refers to develop bias set to this SP when electric potential control with Process control is not set.} \\
\hline \multirow[b]{2}{*}{010} & Low Speed: C & *ENG & [0 to 800 / 550 / 1-V/step] \\
\hline & \multicolumn{3}{|l|}{Refers to develop bias set to this SP when electric potential control with Process control is not set. (Low speed: C)} \\
\hline \multirow[b]{2}{*}{011} & Low Speed: M & *ENG & [0 to 800 / 550 / 1-V/step] \\
\hline & \multicolumn{3}{|l|}{Refers to develop bias set to this SP when electric potential control with Process control is not set. (Low speed: M)} \\
\hline \multirow[b]{2}{*}{012} & Low Speed: Y & *ENG & [0 to 800 / 550 / 1-V/step] \\
\hline & \multicolumn{3}{|l|}{Refers to develop bias set to this SP when electric potential control with Process control is not set. (Low speed: Y )} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 2230 & \multicolumn{3}{|l|}{[QL Power Setting]} \\
\hline \multirow{2}{*}{001} & Standard Speed & *ENG & [0 to 99 / 40 / 1\%/step] \\
\hline & \multicolumn{3}{|l|}{Decides light amount to remove electricity at Std. speed.} \\
\hline \multirow{2}{*}{002} & Middle Speed & *ENG & [0 to 99 / 20 / 1\%/step] \\
\hline & \multicolumn{3}{|l|}{Decides light amount to remove electricity at Mid. Speed.} \\
\hline \multirow{2}{*}{003} & Low Speed & *ENG & [0 to \(99 / 20 / 1 \% /\) step] \\
\hline & \multicolumn{3}{|l|}{Decides light amount to remove electricity at Low. Speed.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 2241 & \multicolumn{3}{|l|}{[Temperature/Humidity: Display]} \\
\hline 003 & Exec Interval: Extra Fan Control & *ENG & [1 to 3600 / 10 / 1sec/step] \\
\hline & \multicolumn{3}{|l|}{Sets interval time for temperature detection to decide whether to extend control.} \\
\hline \multirow{2}{*}{004} & AIT Temperature & ENG & [0.0 to 70.0 / 0.0 / 0.1deg/step] \\
\hline & \multicolumn{3}{|l|}{Displays imaging temperature.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 2242 & \multicolumn{3}{|l|}{[TS Operation Env. Log]} \\
\hline \multirow[b]{2}{*}{001} & TS<=40 & ENG & [0 to 99999999 / 0 / 1mm/step] \\
\hline & \multicolumn{3}{|l|}{TS: imaging temperature (Celsius): developing with each temperature division U : displays Bk rotation distance.} \\
\hline \multirow[b]{2}{*}{002} & \(40<T S<=45\) & ENG & [0 to 99999999 / 0 / 1mm/step] \\
\hline & \multicolumn{3}{|l|}{TS: imaging temperature (Celsius): developing with each temperature division U : displays Bk rotation distance.} \\
\hline \multirow[b]{2}{*}{003} & \(45<T S\) & ENG & [0 to 99999999 / 0 / 1mm/step] \\
\hline & \multicolumn{3}{|l|}{TS: imaging temperature (Celsius): developing with each temperature division U : displays Bk rotation distance.} \\
\hline \multirow{2}{*}{004} & Log Clear & ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Clears image temperature usage environment log.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 2302 & \multicolumn{3}{|l|}{[Environmental Correction:Trans]} \\
\hline \multirow[t]{2}{*}{001} & \begin{tabular}{l}
Current Environmental \\
Display
\end{tabular} & ENG & [0 to 0 / 0 / 0/step] \\
\hline & \multicolumn{3}{|l|}{Displays current environment division of transfer.} \\
\hline \multirow[t]{2}{*}{002} & Forced Setting & *ENG & \begin{tabular}{l}
[ 0 to \(6 / 0 / 1 /\) step] \\
0 : Sensor detect \\
1: LL \\
2: ML \\
3: MM \\
4: HM \\
5: HH \\
6: SLL
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Force sets current environment division of transfer.} \\
\hline \multirow[t]{2}{*}{003} & \begin{tabular}{l}
Absolute Humidity:Threshold \\
1
\end{tabular} & *ENG & [0.00 to 100.00 / 4.00 / \(0.01 \mathrm{~g} / \mathrm{m} 3 / \mathrm{step}\) ] \\
\hline & \multicolumn{3}{|l|}{Sets environment division threshold (LL/ML)} \\
\hline \multirow[t]{2}{*}{004} & Absolute Humidity:Threshold
\[
2
\] & *ENG & [0.00 to 100.00 / 8.00 / \(0.01 \mathrm{~g} / \mathrm{m} 3 / \mathrm{step}\) ] \\
\hline & \multicolumn{3}{|l|}{Sets environment division threshold (ML/MM)} \\
\hline \multirow[t]{2}{*}{005} & Absolute Humidity:Threshold 3 & *ENG & [0.00 to 100.00 / 16.00 / \(0.01 \mathrm{~g} / \mathrm{m} 3 / \mathrm{step}]\) \\
\hline & \multicolumn{3}{|l|}{Sets environment division threshold (MM/HM)} \\
\hline \multirow[t]{2}{*}{006} & \begin{tabular}{l}
Absolute Humidity:Threshold \\
4
\end{tabular} & *ENG & \begin{tabular}{l}
[0.00 to \(100.00 / 24.00\) / \\
0.01g/m3/step]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Sets environment division threshold (HM/HH)} \\
\hline \multirow{2}{*}{007} & Temperature:Threshold & *ENG & [-5 to 30 / 5 / 1deg/step] \\
\hline & \multicolumn{3}{|l|}{Sets absolute temperature threshold (SLL)} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 2303 & \multicolumn{3}{|l|}{[Time-Lapse Correction]} \\
\hline \multirow{2}{*}{001} & Current Div K & *ENG & [0 to 3 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Displays the current time-lapse division} \\
\hline \multirow{2}{*}{002} & Current Div C & *ENG & [0 to 3 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Displays the current time-lapse division} \\
\hline \multirow{2}{*}{003} & Current Div M & *ENG & [0 to 3 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Displays the current time-lapse division} \\
\hline \multirow{2}{*}{004} & Current Div Y & *ENG & [0 to 3 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Displays the current time-lapse division} \\
\hline \multirow{2}{*}{005} & Correction Threshold 1_Bk & *ENG & [0 to 600000 / 5000 / 10page/step] \\
\hline & \multicolumn{3}{|l|}{Sets time-lapse correction threshold.} \\
\hline \multirow{2}{*}{006} & Correction Threshold 1_Color & *ENG & [0 to 600000 / 5000 / 10page/step] \\
\hline & \multicolumn{3}{|l|}{Sets time-lapse correction threshold.} \\
\hline \multirow{2}{*}{007} & Correction Threshold 2_Bk & *ENG & [0 to 600000 / 20000 / 10page/step] \\
\hline & \multicolumn{3}{|l|}{Sets time-lapse correction threshold.} \\
\hline \multirow{2}{*}{008} & Correction Threshold 2_Color & *ENG & [0 to 600000 / 20000 / 10page/step] \\
\hline & \multicolumn{3}{|l|}{Sets time-lapse correction threshold.} \\
\hline \multirow{2}{*}{009} & Correction Threshold 3_Bk & *ENG & [0 to 600000 / 50000 / 10page/step] \\
\hline & \multicolumn{3}{|l|}{Sets time-lapse correction threshold.} \\
\hline \multirow{2}{*}{010} & Correction Threshold 3_Color & *ENG & [0 to 600000 / 50000 / 10page/step] \\
\hline & \multicolumn{3}{|l|}{Sets time-lapse correction threshold.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{2308} & \multicolumn{3}{|l|}{[Paper Size Correction]} \\
\hline & \multicolumn{3}{|l|}{Sets paper width threshold for paper size correction.} \\
\hline 001 & Threshold 1 & *ENG & [0 to 350 / 297 / 1mm/step] \\
\hline 002 & Threshold 2 & *ENG & [0 to 350 / 257 / 1mm/step] \\
\hline 003 & Threshold 3 & *ENG & [0 to 350 / 210 / 1mm/step] \\
\hline 004 & Threshold 4 & *ENG & [0 to 350 / 148 / 1mm/step] \\
\hline \multirow[b]{2}{*}{2308} & \multicolumn{3}{|l|}{[Paper Size Correction]} \\
\hline & \multicolumn{3}{|l|}{Sets paper width threshold for paper size correction (when using optional roller.).} \\
\hline 005 & Threshold 1 & *ENG & [0 to 350 / 297 / 1mm/step] \\
\hline 006 & Threshold 2 & *ENG & [0 to 350 / 257 / 1mm/step] \\
\hline 007 & Threshold 3 & *ENG & [0 to 350 / 210 / 1mm/step] \\
\hline 008 & Threshold 4 & *ENG & [0 to 350 / 148 / 1mm/step] \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{2}{*}{2311} & \multicolumn{3}{|l|}{ [Non Image Area:Bias] } \\
\cline { 2 - 4 } & \multicolumn{3}{|l|}{ Sets bias for non image area. } \\
\hline 001 & Image Transfer & *ENG & {\([10\) to \(250 / 100 / 5 \% /\) step \(]\)} \\
\hline \multirow{3}{*}{002} & Paper Transfer & *ENG & {\([0\) to \(230 / 0 / 1-\mathrm{uA} /\) step \(]\)} \\
\cline { 2 - 4 } & *When between papers are close. \\
\hline 003 & Paper Transfer & *ENG & {\([0\) to \(2100 / 500 / 10 \mathrm{~V} /\) step \(]\)} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{2}{*}{2316} & \multicolumn{3}{|l|}{ [Power ON:Bias] } \\
\cline { 2 - 4 } & \multicolumn{3}{|l|}{ Sets bias for non image area. } \\
\hline 001 & Image Transfer & *ENG & {\([0\) to \(80 / 5 / 1 \mathrm{uA} /\) step \(]\)} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{2}{*}{2326} & \multicolumn{3}{|l|}{ [Transfer Roller CL:Bias] } \\
\cline { 2 - 5 } & \multicolumn{2}{|l|}{ Sets CL bias for corresponding operation. } \\
\hline 001 & Positive:befor and after JOB & *ENG & [0 to \(2100 / \mathbf{2 5 0} / 10 \mathrm{~V} /\) step \(]\) \\
\hline 002 & Negative:befor and after JOB & *ENG & {\([10\) to \(995 / \mathbf{1 0 0} / 10 \% /\) step \(]\)} \\
\hline 003 & \begin{tabular}{l} 
Positive:befor and \\
afterProcon
\end{tabular} & *ENG & {\([0\) to \(2100 / \mathbf{2 0 0 0} / 10 \mathrm{~V} /\) step \(]\)} \\
\hline 004 & \begin{tabular}{l} 
Negative:befor and \\
afterProcon
\end{tabular} & *ENG & {\([10\) to \(995 / \mathbf{1 0 0} / 10 \% /\) step \(]\)} \\
\hline 005 & Positive:prevention & *ENG & {\([0\) to \(2100 / 500 / 10 \mathrm{~V} /\) step \(]\)} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{2}{*}{2351} & \multicolumn{3}{|l|}{ [Common:BW:Bias] } \\
\cline { 2 - 4 } & \multicolumn{3}{|l|}{ Sets image transfer output value per line speed in BW mode. } \\
\hline 001 & Image Transfer:standard & *ENG & {\([0\) to 80 / 33 / 1uA/step \(]\)} \\
\hline 002 & Image Transfer:Middle & *ENG & {\([0\) to \(80 / \mathbf{2 4} / 1\) uA/step \(]\)} \\
\hline 003 & Image Transfer:low & *ENG & {\([0\) to \(80 / \mathbf{1 6} /\) 1uA/step \(]\)} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{2357} & \multicolumn{3}{|l|}{[Common:FC:Bias]} \\
\hline & \multicolumn{3}{|l|}{Sets image transfer output value per line speed in FC mode.} \\
\hline 001 & ImageTransfer:standard:Bk & *ENG & [0 to 60 / \(33 / 1 \mathrm{l}\) //step] \\
\hline 002 & ImageTransfer:standard: \(C\) & *ENG & [0 to 60 / 33 / 1uA/step] \\
\hline 003 & ImageTransfer:standard:M & *ENG & [0 to 60 / \(33 / 1 \mathrm{lu} /\) /step] \\
\hline 004 & ImageTransfer:standard:Y & *ENG & [0 to 60 / \(\mathbf{3 8}\) / 1uA/step] \\
\hline 005 & ImageTransfer:Middle:Bk & *ENG & [0 to 60 / \(24 / 1 \mathrm{uA} /\) step] \\
\hline 006 & ImageTransfer:Middle:C & *ENG & [0 to 60 / 24 / 1uA/step] \\
\hline 007 & ImageTransfer:Middle:M & *ENG & [0 to 60 / 26 / 1uA/step] \\
\hline 008 & ImageTransfer:Middle:Y & *ENG & [0 to 60 / 28 / 1uA/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|l|c|l|}
\hline 009 & Image Transfer:low:Bk & *ENG & {\([0\) to \(60 / 16 / 1 u\) A/step \(]\)} \\
\hline 010 & Image Transfer:low:C & *ENG & {\([0\) to \(60 / 16 / 1 u\) A/step \(]\)} \\
\hline 011 & Image Transfer:low:M & *ENG & {\([0\) to \(60 / 18 / 1\) uA/step \(]\)} \\
\hline 012 & Image Transfer:low:Y & *ENG & {\([0\) to \(60 / 19 / 1\) uA/step \(]\)} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2360} & \multicolumn{3}{|l|}{[Common:BW:Env.CorrectionTable]} \\
\hline & \multicolumn{3}{|l|}{Sets image transfer output environment correction table per line speed in BW mode.} \\
\hline 001 & Image Transfer:standard & *ENG & [1 to \(100 / 2 / 1 /\) step] \\
\hline 002 & Image Transfer:Middle & *ENG & [1 to \(100 / 2 / 1 /\) step] \\
\hline 003 & Image Transfer:Iow & *ENG & [1 to \(100 / 2 / 1 /\) step] \\
\hline \multirow[b]{2}{*}{2360} & \multicolumn{3}{|l|}{[Common:FC:Env.CorrectionTable]} \\
\hline & \multicolumn{3}{|l|}{Sets image transfer output environment correction table per line speed in FC mode.} \\
\hline 004 & ImageTransfer:standard:Bk & *ENG & [1 to \(100 / 1 / 1 /\) step] \\
\hline 005 & ImageTransfer:standard:C & *ENG & [ 1 to \(100 / 2 / 1 /\) step] \\
\hline 006 & ImageTransfer:standard:M & *ENG & [1 to \(100 / 3 / 1 /\) step] \\
\hline 007 & ImageTransfer:standard:Y & *ENG & [1 to \(100 / 4 / 1 /\) step] \\
\hline 008 & ImageTransfer:Middle:Bk & *ENG & [1 to 100 / 1 / 1/step] \\
\hline 009 & ImageTransfer:Middle:C & *ENG & [1 to \(100 / 2 / 1 /\) step] \\
\hline 010 & ImageTransfer:Middle:M & *ENG & [1 to 100 / 3 / 1/step] \\
\hline 011 & ImageTransfer:Middle:Y & *ENG & [1 to 100 / 4 / 1/step] \\
\hline 012 & Image Transfer:low:Bk & *ENG & [1 to 100 / 1 / 1/step] \\
\hline 013 & Image Transfer:low:C & *ENG & [1 to \(100 / 2 / 1 /\) step] \\
\hline 014 & Image Transfer:Iow:M & *ENG & [1 to 100 / 3 / 1/step] \\
\hline 015 & Image Transfer:low:Y & *ENG & [1 to 100 / 4 / 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{2361} & \multicolumn{3}{|l|}{[Time-Lapse Correction: Div 1]} \\
\hline & \multicolumn{3}{|l|}{Input table number of time-lapse correction.} \\
\hline 001 & Standard Speed: Bk & *ENG & \multirow{3}{*}{[1 to \(60 / 2 / 1 /\) step]} \\
\hline 002 & Mid Speed: Bk & ENG & \\
\hline 003 & Low Speed: Bk & ENG & \\
\hline 004 & Standard Speed: FC: K & *ENG & \multirow{12}{*}{[1 to \(60 / 1 / 1 /\) step]} \\
\hline 005 & Standard Speed: FC: C & *ENG & \\
\hline 006 & Standard Speed: FC: M & *ENG & \\
\hline 007 & Standard Speed: FC: Y & *ENG & \\
\hline 008 & Mid Speed: FC: K & ENG & \\
\hline 009 & Mid Speed: FC: C & ENG & \\
\hline 010 & Mid Speed: FC: M & ENG & \\
\hline 011 & Mid Speed: FC: Y & ENG & \\
\hline 012 & Low Speed: FC: K & ENG & \\
\hline 013 & Low Speed: FC: C & ENG & \\
\hline 014 & Low Speed: FC: M & ENG & \\
\hline 015 & Low Speed: FC: Y & ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{2362} & \multicolumn{3}{|l|}{[Time-Lapse Correction: Div 2]} \\
\hline & \multicolumn{3}{|l|}{Input table number of time-lapse correction.} \\
\hline 001 & Standard Speed: Bk & *ENG & \multirow{3}{*}{[1 to 60 / 3 / 1/step]} \\
\hline 002 & Mid Speed: Bk & ENG & \\
\hline 003 & Low Speed: Bk & ENG & \\
\hline 004 & Standard Speed: FC: K & *ENG & \multirow{3}{*}{[1 to 60 / 1 / 1/step]} \\
\hline 005 & Standard Speed: FC: C & *ENG & \\
\hline 006 & Standard Speed: FC: M & *ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|l|c|}
\hline 007 & Standard Speed: FC: \(Y\) & *ENG \\
\hline 008 & Mid Speed: FC: K & ENG \\
\hline 009 & Mid Speed: FC: C & ENG \\
\hline 010 & Mid Speed: FC: M & ENG \\
\hline 011 & Mid Speed: FC: Y & ENG \\
\hline 012 & Low Speed: FC: K & ENG \\
\hline 013 & Low Speed: FC: C & ENG \\
\hline 014 & Low Speed: FC: M & ENG \\
\hline 015 & Low Speed: FC: Y & ENG \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{2363} & \multicolumn{3}{|l|}{[Time-Lapse Correction: Div 3]} \\
\hline & \multicolumn{3}{|l|}{Input table number of time-lapse correction.} \\
\hline 001 & Standard Speed: Bk & *ENG & \multirow{3}{*}{[1 to 60 / 4 / 1/step]} \\
\hline 002 & Mid Speed: Bk & ENG & \\
\hline 003 & Low Speed: Bk & ENG & \\
\hline 004 & Standard Speed: FC: K & *ENG & \multirow{11}{*}{[1 to 60 / 1 / 1/step]} \\
\hline 005 & Standard Speed: FC: C & *ENG & \\
\hline 006 & Standard Speed: FC: M & *ENG & \\
\hline 007 & Standard Speed: FC: Y & *ENG & \\
\hline 008 & Mid Speed: FC: K & ENG & \\
\hline 009 & Mid Speed: FC: C & ENG & \\
\hline 010 & Mid Speed: FC: M & ENG & \\
\hline 011 & Mid Speed: FC: Y & ENG & \\
\hline 012 & Low Speed: FC: K & ENG & \\
\hline 013 & Low Speed: FC: C & ENG & \\
\hline 014 & Low Speed: FC: M & ENG & \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|l|}
\hline 015 & Low Speed: FC: Y & ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 2400 & \multicolumn{3}{|l|}{[Paper Transfer Roller Settings]} \\
\hline 001 & Width of Paper Transfer Roller & *ENG & \begin{tabular}{l}
[0 or 1 / 0 / 1/step] \\
0 : Default roller \\
1: Wide roller
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Width of Paper Transfer Roller} \\
\hline \multirow{2}{*}{002} & Detatch timing in waiting & *ENG & [0 to \(600 / 240\) / 1min/step] \\
\hline & \multicolumn{3}{|l|}{Detach timing in waiting} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2403} & \multicolumn{3}{|l|}{[Plain1:Bias:BW]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere per paper thickness / mode (FC/BW) / line speed / printing sides.} \\
\hline 001 & PaperTransfer:standard:1side & *ENG & [0 to 200 / 22 / 1-uA/step] \\
\hline 002 & PaperTransfer:standard:2side & *ENG & [0 to 200 / 22 / 1-uA/step] \\
\hline 003 & PaperTransfer:low:1side & *ENG & [0 to 200 / 11 / 1-uA/step] \\
\hline 004 & PaperTransfer:low:2side & *ENG & [0 to 200 / 11 / 1-uA/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2407} & \multicolumn{3}{|l|}{[Plain1:Bias:FC]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere per paper thickness / mode (FC/BW) / line speed / printing sides.} \\
\hline 001 & PaperTransfer:standard:1side & *ENG & [0 to 200 / 29 / 1-uA/step] \\
\hline 002 & PaperTransfer:standard:2side & *ENG & [0 to 200 / 29 / 1-uA/step] \\
\hline 003 & PaperTransfer:low:1side & *ENG & [0 to 200 / 14/1-uA/step] \\
\hline 004 & PaperTransfer:low:2side & *ENG & [0 to 200 / 14 / 1-uA/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2411} & \multicolumn{3}{|l|}{[Plain1:SizeCorrection:BW]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere per paper thickness / mode (FC/BW) / line speed / printing sides.} \\
\hline 001 & PaperTransfer:Standard:1Sid:S1 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 002 & PaperTransfer:Standard:2Sid:S1 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 003 & PaperTransfer:Low:1Side:S1 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 004 & PaperTransfer:Low:2Side:S1 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 005 & PaperTransfer:Standard:1Sid:S2 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 006 & PaperTransfer:Standard:2Sid:S2 & *ENG & [100 to 995 / 105 / 1\%/step] \\
\hline 007 & PaperTransfer:Low:1Side:S2 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 008 & PaperTransfer:Low:2Side:S2 & *ENG & [100 to 995 / 105 / 1\%/step] \\
\hline 009 & PaperTransfer:Standard:1Sid:S3 & *ENG & [100 to 995 / 105 / 1\%/step] \\
\hline 010 & PaperTransfer:Standard:2Sid:S3 & *ENG & \begin{tabular}{l}
[100 to 995 / 118 / \\
1\%/step]
\end{tabular} \\
\hline 011 & PaperTransfer:Low:1Side:S3 & *ENG & \begin{tabular}{l}
[100 to 995 / 105 / \\
1\%/step]
\end{tabular} \\
\hline 012 & PaperTransfer:Low:2Side:S3 & *ENG & [100 to 995 / 118 / 1\%/step] \\
\hline 013 & PaperTransfer:Standard:1Sid:S4 & *ENG & [100 to 995 / 118 / 1\%/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 014 & PaperTransfer:Standard:2Sid:S4 & *ENG & \begin{tabular}{l}
[100 to 995 / 131 / \\
1\%/step]
\end{tabular} \\
\hline 015 & PaperTransfer:Low:1Side:S4 & *ENG & \begin{tabular}{l}
[100 to 995 / 118 / \\
1\%/step]
\end{tabular} \\
\hline 016 & PaperTransfer:Low:2Side:S4 & *ENG & \begin{tabular}{l}
[100 to 995 / 131 / \\
1\%/step]
\end{tabular} \\
\hline 017 & PaperTransfer:Standard:1Sid:S5 & *ENG & \begin{tabular}{l}
[100 to 995 / 132 / \\
1\%/step]
\end{tabular} \\
\hline 018 & PaperTransfer:Standard:2Sid:S5 & *ENG & \begin{tabular}{l}
[100 to 995 / 184 / \\
1\%/step]
\end{tabular} \\
\hline 019 & PaperTransfer:Low:1Side:S5 & *ENG & \begin{tabular}{l}
[100 to 995 / 132 / \\
1\%/step]
\end{tabular} \\
\hline 020 & PaperTransfer:Low:2Side:S5 & *ENG & \begin{tabular}{l}
[100 to 995 / 184 / \\
1\%/step]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{[Plain1:SizeCorrection:BW]} \\
\hline 2411 & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size correction per paper thickness / mode (FC/BW) / line speed / printing sides. (When using optional wide unit)} \\
\hline 021 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S1
\end{tabular} & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline 022 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S1
\end{tabular} & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline 023 & Wide Roller:PaperTransfer:Low:1Side:S1 & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline 024 & Wide Roller:PaperTransfer:Low:2Side:S1 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 025 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S2
\end{tabular} & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline 026 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S2
\end{tabular} & *ENG & \begin{tabular}{l}
[100 to 995 / 105 / \\
1\%/step]
\end{tabular} \\
\hline 027 & Wide Roller:PaperTransfer:Low:1Side:S2 & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 028 & Wide Roller:PaperTransfer:Low:2Side:S2 & *ENG & [100 to 995 / 105 / 1\%/step] \\
\hline 029 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S3
\end{tabular} & *ENG & \begin{tabular}{l}
[100 to 995 / 105 / \\
1\%/step]
\end{tabular} \\
\hline 030 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S3
\end{tabular} & *ENG & [100 to 995 / 118 / 1\%/step] \\
\hline 031 & Wide Roller:PaperTransfer:Low:1Side:S3 & *ENG & \begin{tabular}{l}
[100 to 995 / 105 / \\
1\%/step]
\end{tabular} \\
\hline 032 & Wide Roller:PaperTransfer:Low:2Side:S3 & *ENG & [100 to 995 / 118 / 1\%/step] \\
\hline 033 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S4
\end{tabular} & *ENG & [100 to 995 / 118 / 1\%/step] \\
\hline 034 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S4
\end{tabular} & *ENG & [100 to 995 / 131 / 1\%/step] \\
\hline 035 & Wide Roller:PaperTransfer:Low:1Side:S4 & *ENG & \begin{tabular}{l}
[100 to 995 / 118 / \\
1\%/step]
\end{tabular} \\
\hline 036 & Wide Roller:PaperTransfer:Low:2Side:S4 & *ENG & \begin{tabular}{l}
[100 to 995 / 131 / \\
1\%/step]
\end{tabular} \\
\hline 037 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S5
\end{tabular} & *ENG & \begin{tabular}{l}
[100 to 995 / 132 / \\
1\%/step]
\end{tabular} \\
\hline 038 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S5
\end{tabular} & *ENG & [100 to 995 / 184 / 1\%/step] \\
\hline 039 & Wide Roller:PaperTransfer:Low:1Side:S5 & *ENG & \begin{tabular}{l}
[100 to 995 / 132 / \\
1\%/step]
\end{tabular} \\
\hline 040 & Wide Roller:PaperTransfer:Low:2Side:S5 & *ENG & \begin{tabular}{l}
[100 to 995 / 184 / \\
1\%/step]
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2412} & \multicolumn{3}{|l|}{[Plain1:SizeCorrection:FC]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size correction per paper thickness / mode (FC/BW) / line speed / printing sides.} \\
\hline 001 & PaperTransfer:Standard:1Sid:S1 & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline 002 & PaperTransfer:Standard:2Sid:S1 & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline 003 & PaperTransfer:Low:1Side:S1 & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline 004 & PaperTransfer:Low:2Side:S1 & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline 005 & PaperTransfer:Standard:1Sid:S2 & *ENG & \begin{tabular}{l}
[100 to 995 / 120 / \\
1\%/step]
\end{tabular} \\
\hline 006 & PaperTransfer:Standard:2Sid:S2 & *ENG & \begin{tabular}{l}
[100 to 995 / 140 / \\
1\%/step]
\end{tabular} \\
\hline 007 & PaperTransfer:Low:1Side:S2 & *ENG & \begin{tabular}{l}
[100 to 995 / 120 / \\
1\%/step]
\end{tabular} \\
\hline 008 & PaperTransfer:Low:2Side:S2 & *ENG & \begin{tabular}{l}
[100 to 995 / 140 / \\
1\%/step]
\end{tabular} \\
\hline 009 & PaperTransfer:Standard:1Sid:S3 & *ENG & \begin{tabular}{l}
[100 to 995 / 118 / \\
1\%/step]
\end{tabular} \\
\hline 010 & PaperTransfer:Standard:2Sid:S3 & *ENG & \begin{tabular}{l}
[100 to 995 / 180 / \\
1\%/step]
\end{tabular} \\
\hline 011 & PaperTransfer:Low:1Side:S3 & *ENG & \begin{tabular}{l}
[100 to 995 / 118 / \\
1\%/step]
\end{tabular} \\
\hline 012 & PaperTransfer:Low:2Side:S3 & *ENG & \begin{tabular}{l}
[100 to 995 / 180 / \\
1\%/step]
\end{tabular} \\
\hline 013 & PaperTransfer:Standard:1Sid:S4 & *ENG & \begin{tabular}{l}
[100 to 995 / 130 / \\
1\%/step]
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 014 & PaperTransfer:Standard:2Sid:S4 & *ENG & \begin{tabular}{l}
[100 to 995 / 200 / \\
1\%/step]
\end{tabular} \\
\hline 015 & PaperTransfer:Low:1Side:S4 & *ENG & \begin{tabular}{l}
[100 to 995 / 130 / \\
1\%/step]
\end{tabular} \\
\hline 016 & PaperTransfer:Low:2Side:S4 & *ENG & \begin{tabular}{l}
[100 to 995 / 200 / \\
1\%/step]
\end{tabular} \\
\hline 017 & PaperTransfer:Standard:1Sid:S5 & *ENG & \begin{tabular}{l}
[100 to 995 / 140 / \\
1\%/step]
\end{tabular} \\
\hline 018 & PaperTransfer:Standard:2Sid:S5 & *ENG & \begin{tabular}{l}
[100 to 995 / 240 / \\
1\%/step]
\end{tabular} \\
\hline 019 & PaperTransfer:Low:1Side:S5 & *ENG & \begin{tabular}{l}
[100 to 995 / 140 / \\
1\%/step]
\end{tabular} \\
\hline 020 & PaperTransfer:Low:2Side:S5 & *ENG & \begin{tabular}{l}
[100 to 995 / 240 / \\
1\%/step]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{[Plain1:SizeCorrection:FC]} \\
\hline 2412 & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size correction per paper thickness / mode (FC/BW) / line speed / printing sides. (When using optional wide unit)} \\
\hline 021 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S1
\end{tabular} & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline 022 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S1
\end{tabular} & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline 023 & Wide Roller:PaperTransfer:Low:1Side:S1 & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline 024 & Wide Roller:PaperTransfer:Low:2Side:S1 & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline 025 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S2
\end{tabular} & *ENG & \begin{tabular}{l}
[100 to 995 / 120 / \\
1\%/step]
\end{tabular} \\
\hline 026 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S2
\end{tabular} & *ENG & \begin{tabular}{l}
[100 to 995 / 140 / \\
1\%/step]
\end{tabular} \\
\hline 027 & Wide Roller:PaperTransfer:Low:1Side:S2 & *ENG & \begin{tabular}{l}
[100 to 995 / 120 / \\
1\%/step]
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 028 & Wide Roller:PaperTransfer:Low:2Side:S2 & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 140 / \\
& \text { 1\%/step] }
\end{aligned}
\] \\
\hline 029 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S3
\end{tabular} & *ENG & [100 to 995 / 118 / 1\%/step] \\
\hline 030 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S3
\end{tabular} & *ENG & [100 to 995 / 180 / 1\%/step] \\
\hline 031 & Wide Roller:PaperTransfer:Low:1Side:S3 & *ENG & [100 to 995 / 118 / 1\%/step] \\
\hline 032 & Wide Roller:PaperTransfer:Low:2Side:S3 & *ENG & [100 to 995 / 180 / 1\%/step] \\
\hline 033 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S4
\end{tabular} & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 / 130 / \\
& 1 \% / \text { step] }
\end{aligned}
\] \\
\hline 034 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S4
\end{tabular} & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 200 \text { / } \\
& \text { 1\%/step] }
\end{aligned}
\] \\
\hline 035 & Wide Roller:PaperTransfer:Low:1Side:S4 & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 130 / \\
& \text { 1\%/step] }
\end{aligned}
\] \\
\hline 036 & Wide Roller:PaperTransfer:Low:2Side:S4 & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 200 \text { / } \\
& \text { 1\%/step] }
\end{aligned}
\] \\
\hline 037 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S5
\end{tabular} & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 140 / \\
& \text { 1\%/step] }
\end{aligned}
\] \\
\hline 038 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S5
\end{tabular} & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 240 \text { / } \\
& \text { 1\%/step] }
\end{aligned}
\] \\
\hline 039 & Wide Roller:PaperTransfer:Low:1Side:S5 & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 140 / \\
& \text { 1\%/step] }
\end{aligned}
\] \\
\hline 040 & Wide Roller:PaperTransfer:Low:2Side:S5 & *ENG & [100 to 995 / 240 / 1\%/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2413} & \multicolumn{3}{|l|}{[Plain1:Size-Env.Correct:BW]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size correction per paper thickness / mode (FC/BW) / line speed / printing sides.} \\
\hline 001 & PaperTransfer:Standard:1Sid:S1 & *ENG & [1 to \(100 / 10 / 1 /\) step] \\
\hline 002 & PaperTransfer:Standard:2Sid:S1 & *ENG & [1 to \(100 / 15\) / 1/step] \\
\hline 003 & PaperTransfer:Low:1Side:S1 & *ENG & [1 to \(100 / 10 / 1 /\) step] \\
\hline 004 & PaperTransfer:Low:2Side:S1 & *ENG & [1 to \(100 / 15\) / 1/step] \\
\hline 005 & PaperTransfer:Standard:1Sid:S2 & *ENG & [1 to \(100 / 11\) / 1/step] \\
\hline 006 & PaperTransfer:Standard:2Sid:S2 & *ENG & [1 to \(100 / 16\) / 1/step] \\
\hline 007 & PaperTransfer:Low:1Side:S2 & *ENG & [1 to \(100 / 11 / 1 /\) step] \\
\hline 008 & PaperTransfer:Low:2Side:S2 & *ENG & [1 to \(100 / 16\) / 1/step] \\
\hline 009 & PaperTransfer:Standard:1Sid:S3 & *ENG & [1 to \(100 / 12 / 1 /\) step] \\
\hline 010 & PaperTransfer:Standard:2Sid:S3 & *ENG & [1 to \(100 / 17\) / 1/step] \\
\hline 011 & PaperTransfer:Low:1Side:S3 & *ENG & [1 to \(100 / 12 / 1 /\) step] \\
\hline 012 & PaperTransfer:Low:2Side:S3 & *ENG & [1 to \(100 / 17\) / 1/step] \\
\hline 013 & PaperTransfer:Standard:1Sid:S4 & *ENG & [1 to \(100 / 13 / 1 /\) step] \\
\hline 014 & PaperTransfer:Standard:2Sid:S4 & *ENG & [1 to \(100 / 18 / 1 /\) step] \\
\hline 015 & PaperTransfer:Low:1Side:S4 & *ENG & [1 to \(100 / 13 / 1 /\) step] \\
\hline 016 & PaperTransfer:Low:2Side:S4 & *ENG & [1 to \(100 / 18 / 1 /\) step] \\
\hline 017 & PaperTransfer:Standard:1Sid:S5 & *ENG & [1 to \(100 / 14 / 1 /\) step] \\
\hline 018 & PaperTransfer:Standard:2Sid:S5 & *ENG & [1 to \(100 / 19\) / 1/step] \\
\hline 019 & PaperTransfer:Low:1Side:S5 & *ENG & [1 to \(100 / 14\) / 1/step] \\
\hline 020 & PaperTransfer:Low:2Side:S5 & *ENG & [1 to \(100 / 19\) / 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2413} & \multicolumn{3}{|l|}{[Plain1:Size-Env.Correct:BW]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size correction per paper thickness / mode (FC/BW) / line speed / printing sides. (When using optional wide unit)} \\
\hline 021 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S1
\end{tabular} & *ENG & [1 to \(100 / 10 / 1 /\) step] \\
\hline 022 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S1
\end{tabular} & *ENG & [1 to \(100 / 15\) / 1/step] \\
\hline 023 & Wide Roller:PaperTransfer:Low:1Side:S1 & *ENG & [1 to \(100 / 10 / 1 /\) step] \\
\hline 024 & Wide Roller:PaperTransfer:Low:2Side:S1 & *ENG & [1 to \(100 / 15\) / 1/step] \\
\hline 025 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S2
\end{tabular} & *ENG & [1 to 100 / 11 / 1/step] \\
\hline 026 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S2
\end{tabular} & *ENG & [1 to \(100 / 16\) / 1/step] \\
\hline 027 & Wide Roller:PaperTransfer:Low:1Side:S2 & *ENG & [1 to \(100 / 11 / 1 /\) step] \\
\hline 028 & Wide Roller:PaperTransfer:Low:2Side:S2 & *ENG & [1 to \(100 / 16 / 1 /\) step] \\
\hline 029 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S3
\end{tabular} & *ENG & [1 to \(100 / 12 / 1 /\) step] \\
\hline 030 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S3
\end{tabular} & *ENG & [1 to \(100 / 17\) / 1/step] \\
\hline 031 & Wide Roller:PaperTransfer:Low:1Side:S3 & *ENG & [1 to \(100 / 12 / 1 /\) step] \\
\hline 032 & Wide Roller:PaperTransfer:Low:2Side:S3 & *ENG & [1 to \(100 / 17 / 1 /\) step] \\
\hline 033 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S4
\end{tabular} & *ENG & [1 to \(100 / 13\) / 1/step] \\
\hline 034 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S4
\end{tabular} & *ENG & [1 to \(100 / 18\) / 1/step] \\
\hline 035 & Wide Roller:PaperTransfer:Low:1Side:S4 & *ENG & [1 to \(100 / 13 / 1 /\) step] \\
\hline 036 & Wide Roller:PaperTransfer:Low:2Side:S4 & *ENG & [1 to \(100 / 18 / 1 /\) step] \\
\hline
\end{tabular}
\begin{tabular}{|c|l|l|l|}
\hline 037 & \begin{tabular}{l} 
Wide \\
Roller:PaperTransfer:Standard:1Sid:S5
\end{tabular} & *ENG & {\([1\) to \(100 / 14 / 1 /\) step \(]\)} \\
\hline 038 & \begin{tabular}{l} 
Wide \\
Roller:PaperTransfer:Standard:2Sid:S5
\end{tabular} & *ENG & {\([1\) to \(100 / 19 / 1 /\) step \(]\)} \\
\hline 039 & Wide Roller:PaperTransfer:Low:1Side:S5 & *ENG & {\([1\) to \(100 / 14 / 1 /\) step \(]\)} \\
\hline 040 & Wide Roller:PaperTransfer:Low:2Side:S5 & *ENG & {\([1\) to \(100 / 19 / 1 /\) step \(]\)} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2414} & \multicolumn{3}{|l|}{[Plain1:Size-Env.Correct:FC]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size correction per paper thickness / mode (FC/BW) / line speed / printing sides.} \\
\hline 001 & PaperTransfer:Standard:1Sid:S1 & *ENG & [1 to \(100 / 20 / 1 /\) step] \\
\hline 002 & PaperTransfer:Standard:2Sid:S1 & *ENG & [1 to \(100 / 25 / 1 /\) step] \\
\hline 003 & PaperTransfer:Low:1Side:S1 & *ENG & [1 to \(100 / 20 / 1 /\) step] \\
\hline 004 & PaperTransfer:Low:2Side:S1 & *ENG & [1 to \(100 / 25 / 1 /\) step] \\
\hline 005 & PaperTransfer:Standard:1Sid:S2 & *ENG & [1 to \(100 / 21 / 1 /\) step] \\
\hline 006 & PaperTransfer:Standard:2Sid:S2 & *ENG & [1 to \(100 / 26 / 1 /\) step] \\
\hline 007 & PaperTransfer:Low:1Side:S2 & *ENG & [1 to \(100 / 21 / 1 /\) step] \\
\hline 008 & PaperTransfer:Low:2Side:S2 & *ENG & [1 to \(100 / 26 / 1 /\) step] \\
\hline 009 & PaperTransfer:Standard:1Sid:S3 & *ENG & [1 to \(100 / 22 / 1 /\) step] \\
\hline 010 & PaperTransfer:Standard:2Sid:S3 & *ENG & [1 to \(100 / 27 / 1 /\) step] \\
\hline 011 & PaperTransfer:Low:1Side:S3 & *ENG & [1 to \(100 / 22 / 1 /\) step] \\
\hline 012 & PaperTransfer:Low:2Side:S3 & *ENG & [1 to \(100 / 27 / 1 /\) step] \\
\hline 013 & PaperTransfer:Standard:1Sid:S4 & *ENG & [1 to \(100 / 23 / 1 /\) step] \\
\hline 014 & PaperTransfer:Standard:2Sid:S4 & *ENG & [1 to \(100 / 28 / 1 /\) step] \\
\hline 015 & PaperTransfer:Low:1Side:S4 & *ENG & [1 to \(100 / 23 / 1 /\) step] \\
\hline 016 & PaperTransfer:Low:2Side:S4 & *ENG & [1 to \(100 / 28 / 1 /\) step] \\
\hline 017 & PaperTransfer:Standard:1Sid:S5 & *ENG & [1 to \(100 / 24 / 1 /\) step] \\
\hline
\end{tabular}
\begin{tabular}{|c|l|l|l|}
\hline 018 & PaperTransfer:Standard:2Sid:S5 & *ENG & [1 to 100 / 29 / 1/step] \\
\hline 019 & PaperTransfer:Low:1Side:S5 & *ENG & [1 to 100 / 24 / 1/step] \\
\hline 020 & PaperTransfer:Low:2Side:S5 & *ENG & [1 to 100 / 29 / 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2414} & \multicolumn{3}{|l|}{[Plain1:Size-Env.Correct:FC]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size correction per paper thickness / mode (FC/BW) / line speed / printing sides. (When using optional wide unit)} \\
\hline 021 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S1
\end{tabular} & *ENG & [1 to \(100 / 20 / 1 /\) step] \\
\hline 022 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S1
\end{tabular} & *ENG & [1 to \(100 / 25 / 1 /\) step] \\
\hline 023 & Wide Roller:PaperTransfer:Low:1Side:S1 & *ENG & [1 to \(100 / 20 / 1 /\) step] \\
\hline 024 & Wide Roller:PaperTransfer:Low:2Side:S1 & *ENG & [1 to \(100 / 25 / 1 /\) step] \\
\hline 025 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S2
\end{tabular} & *ENG & [1 to \(100 / 21 / 1 /\) step] \\
\hline 026 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S2
\end{tabular} & *ENG & [1 to \(100 / 26 / 1 /\) step] \\
\hline 027 & Wide Roller:PaperTransfer:Low:1Side:S2 & *ENG & [1 to \(100 / 21 / 1 /\) step] \\
\hline 028 & Wide Roller:PaperTransfer:Low:2Side:S2 & *ENG & [1 to \(100 / 26 / 1 /\) step] \\
\hline 029 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S3
\end{tabular} & *ENG & [1 to \(100 / 22\) / 1/step] \\
\hline 030 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S3
\end{tabular} & *ENG & [1 to 100 / 27 / 1/step] \\
\hline 031 & Wide Roller:PaperTransfer:Low:1Side:S3 & *ENG & [1 to \(100 / 22 / 1 /\) step] \\
\hline 032 & Wide Roller:PaperTransfer:Low:2Side:S3 & *ENG & [1 to \(100 / 27 / 1 /\) step] \\
\hline 033 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S4
\end{tabular} & *ENG & [1 to 100 / 23 / 1/step] \\
\hline 034 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S4
\end{tabular} & *ENG & [1 to \(100 / 28\) / 1/step] \\
\hline 035 & Wide Roller:PaperTransfer:Low:1Side:S4 & *ENG & [1 to \(100 / 23 / 1 /\) step] \\
\hline 036 & Wide Roller:PaperTransfer:Low:2Side:S4 & *ENG & [1 to \(100 / 28 / 1 /\) step] \\
\hline
\end{tabular}
\begin{tabular}{|c|l|l|l|}
\hline 037 & \begin{tabular}{l} 
Wide \\
Roller:PaperTransfer:Standard:1Sid:S5
\end{tabular} & *ENG & [1 to 100 / 24 / 1/step] \\
\hline 038 & \begin{tabular}{l} 
Wide \\
Roller:PaperTransfer:Standard:2Sid:S5
\end{tabular} & *ENG & {\([1\) to 100 / 29 / 1/step] } \\
\hline 039 & Wide Roller:PaperTransfer:Low:1Side:S5 & *ENG & {\([1\) to 100 / 24 / 1/step] } \\
\hline 040 & Wide Roller:PaperTransfer:Low:2Side:S5 & *ENG & {\([1\) to 100 / 29 / 1/step] } \\
\hline
\end{tabular}
\begin{tabular}{|r|l|c|l|}
\hline \multirow{2}{*}{2415} & \multicolumn{3}{|l|}{ [Plain1:LeadingEdgeCorrection] } \\
\cline { 2 - 4 } & \begin{tabular}{l} 
Sets output value [\%] for paper transfer ampere leading edge correction per \\
paper thickness / line speed / printing sides.
\end{tabular} \\
\hline 001 & PaperTransfer:Standard:1Side & *ENG & {\([0\) to 995 / 100 / 5\%/step] } \\
\hline 002 & PaperTransfer:Standard:2Side & *ENG & {\([0\) to 995 / 100 / 5\%/step] } \\
\hline 003 & Paper Transfer:Low:1side & *ENG & {\([0\) to 995 / 100 / 5\%/step] } \\
\hline 004 & Paper Transfer:Low:2side & *ENG & {\([0\) to 995 / 100 / 5\%/step] } \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{2}{*}{2416} & \multicolumn{3}{|l|}{ [Plain1:SwitchTimingLeadEdge] } \\
\cline { 2 - 4 } & \begin{tabular}{l} 
Sets output value [\%] for paper transfer ampere leading edge correction per \\
paper thickness / line speed / printing sides.
\end{tabular} \\
\hline 001 & PaperTransfer:Standard:1side & *ENG & [0 to \(50 / 0 / 2 \mathrm{~mm} /\) step] \\
\hline 002 & PaperTransfer:Standard:2side & *ENG & {\([0\) to \(50 / 0 / 2 \mathrm{~mm} /\) step \(]\)} \\
\hline 003 & Paper Transfer:Low:1side & *ENG & {\([0\) to \(50 / 0 / 2 \mathrm{~mm} /\) step \(]\)} \\
\hline 004 & Paper Transfer:Low:2side & *ENG & {\([0\) to \(50 / 0 / 2 \mathrm{~mm} /\) step \(]\)} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{2}{*}{2417} & \multicolumn{3}{|l|}{ [Plain1:TrailEdgeCorrection] } \\
\cline { 2 - 4 } & \begin{tabular}{l} 
Sets output value [\%] for paper transfer ampere leading edge correction per \\
paper thickness / line speed / printing sides.
\end{tabular} \\
\hline 001 & PaperTransfer:Standard:1Side & *ENG & [0 to 995 / 100 / 5\%/step \(]\) \\
\hline 002 & PaperTransfer:Standard:2Side & *ENG & {\([0\) to 995 / 100 / 5\%/step \(]\)} \\
\hline
\end{tabular}
\begin{tabular}{|c|l|l|l|}
\hline 003 & Paper Transfer:Low:1side & *ENG & {\([0\) to \(995 / 100 / 5 \% /\) step \(]\)} \\
\hline 004 & Paper Transfer:Low:2side & \(* E N G\) & {\([0\) to \(995 / 100 / 5 \% /\) step \(]\)} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2418} & \multicolumn{3}{|l|}{[Plain1:SwitchTimingTrailEdge]} \\
\hline & \multicolumn{3}{|l|}{Sets switch timing for paper transfer ampere trailing edge correction of paper thickness / line speed / printing sides.} \\
\hline 001 & PaperTransfer:Standard:1side & *ENG & [0 to \(50 / 0 / 2 \mathrm{~mm} / \mathrm{step}\) ] \\
\hline 002 & PaperTransfer:Standard:2side & *ENG & [0 to \(50 / 0 / 2 \mathrm{~mm} / \mathrm{step}\) ] \\
\hline 003 & Paper Transfer:Low:1side & *ENG & [0 to \(50 / 0 / 2 \mathrm{~mm} / \mathrm{step}\) ] \\
\hline 004 & Paper Transfer:Low:2side & *ENG & [0 to \(50 / 0 / 2 \mathrm{~mm} / \mathrm{step}\) ] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2423} & \multicolumn{3}{|l|}{[Plain2:Bias:BW]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere per paper thickness / mode (FC/BW) / line speed / printing sides.} \\
\hline 001 & PaperTransfer:standard:1side & *ENG & [0 to 200 / 22 / 1-uA/step] \\
\hline 002 & PaperTransfer:standard:2side & *ENG & [0 to 200 / 22 / 1-uA/step] \\
\hline 003 & PaperTransfer:low:1side & *ENG & [0 to 200 / 11 / 1-uA/step] \\
\hline 004 & PaperTransfer:Iow:2side & *ENG & [0 to 200 / 11 / 1-uA/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|l|l|l|}
\hline \multirow{2}{*}{2425} & \multicolumn{3}{|l|}{ [Hhsmall:LeadEdgeCorrection] } \\
\cline { 2 - 4 } & *Un used \\
\hline 001 & PaperTransfer:1side & *ENG & {\([0\) to \(995 / 100 / 5 \% /\) step \(]\)} \\
\hline 002 & PaperTransfer:2stSid & *ENG & {\([0\) to \(995 / 100 / 5 \% /\) step \(]\)} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2427} & \multicolumn{3}{|l|}{[Plain2:Bias:FC]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere per paper thickness / mode (FC/BW) / line speed / printing sides.} \\
\hline 001 & PaperTransfer:standard:1side & *ENG & [0 to 200 / 29 / 1-uA/step] \\
\hline 002 & PaperTransfer:standard:2side & *ENG & [0 to 200 / 29 / 1-uA/step] \\
\hline 003 & PaperTransfer:Iow:1side & *ENG & [0 to 200 / 14 / 1-uA/step] \\
\hline 004 & PaperTransfer:Iow:2side & *ENG & [0 to 200 / 14/1-uA/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2431} & \multicolumn{3}{|l|}{[Plain2:SizeCorrection:BW]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size correction per paper thickness / mode (FC/BW) / line speed / printing sides.} \\
\hline 001 & PaperTransfer:Standard:1Sid:S1 & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline 002 & PaperTransfer:Standard:2Sid:S1 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 003 & PaperTransfer:Low:1Side:S1 & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline 004 & PaperTransfer:Low:2Side:S1 & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline 005 & PaperTransfer:Standard:1Sid:S2 & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline 006 & PaperTransfer:Standard:2Sid:S2 & *ENG & \begin{tabular}{l}
[100 to 995 / 105 / \\
1\%/step]
\end{tabular} \\
\hline 007 & PaperTransfer:Low:1Side:S2 & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline 008 & PaperTransfer:Low:2Side:S2 & *ENG & \begin{tabular}{l}
[100 to 995 / 105 / \\
1\%/step]
\end{tabular} \\
\hline 009 & PaperTransfer:Standard:1Sid:S3 & *ENG & [100 to 995 / 105 / 1\%/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 010 & PaperTransfer:Standard:2Sid:S3 & *ENG & [100 to 995 / 118 / 1\%/step] \\
\hline 011 & PaperTransfer:Low:1Side:S3 & *ENG & \begin{tabular}{l}
[100 to 995 / 105 / \\
1\%/step]
\end{tabular} \\
\hline 012 & PaperTransfer:Low:2Side:S3 & *ENG & \begin{tabular}{l}
[100 to 995 / 118 / \\
1\%/step]
\end{tabular} \\
\hline 013 & PaperTransfer:Standard:1Sid:S4 & *ENG & \begin{tabular}{l}
[100 to 995 / 118 / \\
1\%/step]
\end{tabular} \\
\hline 014 & PaperTransfer:Standard:2Sid:S4 & *ENG & \begin{tabular}{l}
[100 to 995 / 131 / \\
1\%/step]
\end{tabular} \\
\hline 015 & PaperTransfer:Low:1Side:S4 & *ENG & \begin{tabular}{l}
[100 to 995 / 118 / \\
1\%/step]
\end{tabular} \\
\hline 016 & PaperTransfer:Low:2Side:S4 & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 131 \text { / } \\
& 1 \% / \text { step] }
\end{aligned}
\] \\
\hline 017 & PaperTransfer:Standard:1Sid:S5 & *ENG & \begin{tabular}{l}
[100 to 995 / 132 / \\
1\%/step]
\end{tabular} \\
\hline 018 & PaperTransfer:Standard:2Sid:S5 & *ENG & \begin{tabular}{l}
[100 to 995 / 184 / \\
1\%/step]
\end{tabular} \\
\hline 019 & PaperTransfer:Low:1Side:S5 & *ENG & \begin{tabular}{l}
[100 to 995 / 132 / \\
1\%/step]
\end{tabular} \\
\hline 020 & PaperTransfer:Low:2Side:S5 & *ENG & \begin{tabular}{l}
[100 to 995 / 184 / \\
1\%/step]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{[Plain2:SizeCorrection:BW]} \\
\hline 2431 & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size correction per paper thickness / mode (FC/BW) / line speed / printing sides. (With using optional wide unit)} \\
\hline 021 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S1
\end{tabular} & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline 022 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S1
\end{tabular} & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline 023 & Wide Roller:PaperTransfer:Low:1Side:S1 & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 024 & Wide Roller:PaperTransfer:Low:2Side:S1 & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline 025 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S2
\end{tabular} & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline 026 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S2
\end{tabular} & *ENG & [100 to 995 / 105 / 1\%/step] \\
\hline 027 & Wide Roller:PaperTransfer:Low:1Side:S2 & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline 028 & Wide Roller:PaperTransfer:Low:2Side:S2 & *ENG & \begin{tabular}{l}
[100 to 995 / 105 / \\
1\%/step]
\end{tabular} \\
\hline 029 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S3
\end{tabular} & *ENG & \begin{tabular}{l}
[100 to 995 / 105 / \\
1\%/step]
\end{tabular} \\
\hline 030 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S3
\end{tabular} & *ENG & \begin{tabular}{l}
[100 to 995 / 118 / \\
1\%/step]
\end{tabular} \\
\hline 031 & Wide Roller:PaperTransfer:Low:1Side:S3 & *ENG & \begin{tabular}{l}
[100 to 995 / 105 / \\
1\%/step]
\end{tabular} \\
\hline 032 & Wide Roller:PaperTransfer:Low:2Side:S3 & *ENG & [100 to 995 / 118 / 1\%/step] \\
\hline 033 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S4
\end{tabular} & *ENG & [100 to 995 / 118 / 1\%/step] \\
\hline 034 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S4
\end{tabular} & *ENG & \begin{tabular}{l}
[100 to 995 / 131 / \\
1\%/step]
\end{tabular} \\
\hline 035 & Wide Roller:PaperTransfer:Low:1Side:S4 & *ENG & [100 to 995 / 118 / 1\%/step] \\
\hline 036 & Wide Roller:PaperTransfer:Low:2Side:S4 & *ENG & \begin{tabular}{l}
[100 to 995 / 131 / \\
1\%/step]
\end{tabular} \\
\hline 037 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S5
\end{tabular} & *ENG & \begin{tabular}{l}
[100 to 995 / 132 / \\
1\%/step]
\end{tabular} \\
\hline 038 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S5
\end{tabular} & *ENG & \begin{tabular}{l}
[100 to 995 / 184 / \\
1\%/step]
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline 039 & Wide Roller:PaperTransfer:Low:1Side:S5 & *ENG & \begin{tabular}{l}
{\([100\) to \(995 / 132\) / } \\
\(1 \% /\) step \(]\)
\end{tabular} \\
\hline 040 & Wide Roller:PaperTransfer:Low:2Side:S5
\end{tabular}\(\quad\) *ENG \begin{tabular}{l}
{\(\left[\begin{array}{l}100 \text { to 995 / 184 / } \\
1 \% / \text { step }]\end{array}\right.\)} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2432} & \multicolumn{3}{|l|}{[Plain2:SizeCorrection:FC]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size correction per paper thickness / mode (FC/BW) / line speed / printing sides.} \\
\hline 001 & PaperTransfer:Standard:1Sid:S1 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 002 & PaperTransfer:Standard:2Sid:S1 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 003 & PaperTransfer:Low:1Side:S1 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 004 & PaperTransfer:Low:2Side:S1 & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline 005 & PaperTransfer:Standard:1Sid:S2 & *ENG & \begin{tabular}{l}
[100 to 995 / 120 / \\
1\%/step]
\end{tabular} \\
\hline 006 & PaperTransfer:Standard:2Sid:S2 & *ENG & \begin{tabular}{l}
[100 to 995 / 140 / \\
1\%/step]
\end{tabular} \\
\hline 007 & PaperTransfer:Low:1Side:S2 & *ENG & \begin{tabular}{l}
[100 to 995 / 120 / \\
1\%/step]
\end{tabular} \\
\hline 008 & PaperTransfer:Low:2Side:S2 & *ENG & \begin{tabular}{l}
[100 to 995 / 140 / \\
1\%/step]
\end{tabular} \\
\hline 009 & PaperTransfer:Standard:1Sid:S3 & *ENG & [100 to 995 / 118 / 1\%/step] \\
\hline 010 & PaperTransfer:Standard:2Sid:S3 & *ENG & [100 to 995 / 180 / 1\%/step] \\
\hline 011 & PaperTransfer:Low:1Side:S3 & *ENG & [100 to 995 / 118 / 1\%/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 012 & PaperTransfer:Low:2Side:S3 & *ENG & \begin{tabular}{l}
[100 to 995 / 180 / \\
1\%/step]
\end{tabular} \\
\hline 013 & PaperTransfer:Standard:1Sid:S4 & *ENG & \begin{tabular}{l}
[100 to 995 / 130 / \\
1\%/step]
\end{tabular} \\
\hline 014 & PaperTransfer:Standard:2Sid:S4 & *ENG & [100 to 995 / 200 / 1\%/step] \\
\hline 015 & PaperTransfer:Low:1Side:S4 & *ENG & [100 to 995 / 130 / 1\%/step] \\
\hline 016 & PaperTransfer:Low:2Side:S4 & *ENG & [100 to 995 / 200 / 1\%/step] \\
\hline 017 & PaperTransfer:Standard:1Sid:S5 & *ENG & \begin{tabular}{l}
[100 to 995 / 140 / \\
1\%/step]
\end{tabular} \\
\hline 018 & PaperTransfer:Standard:2Sid:S5 & *ENG & \begin{tabular}{l}
[100 to 995 / 240 / \\
1\%/step]
\end{tabular} \\
\hline 019 & PaperTransfer:Low:1Side:S5 & *ENG & \begin{tabular}{l}
[100 to 995 / 140 / \\
1\%/step]
\end{tabular} \\
\hline 020 & PaperTransfer:Low:2Side:S5 & *ENG & [100 to 995 / 240 / 1\%/step] \\
\hline & \multicolumn{3}{|l|}{[Plain2:SizeCorrection:FC]} \\
\hline 2432 & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size correction per paper thickness / mode (FC/BW) / line speed / printing sides. (With using optional wide unit)} \\
\hline 021 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S1
\end{tabular} & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 022 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S1
\end{tabular} & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline 023 & Wide Roller:PaperTransfer:Low:1Side:S1 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 024 & Wide Roller:PaperTransfer:Low:2Side:S1 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 025 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S2
\end{tabular} & *ENG & \begin{tabular}{l}
[100 to 995 / 120 / \\
1\%/step]
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 026 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S2
\end{tabular} & *ENG & \begin{tabular}{l}
[100 to 995 / 140 / \\
1\%/step]
\end{tabular} \\
\hline 027 & Wide Roller:PaperTransfer:Low:1Side:S2 & *ENG & \begin{tabular}{l}
[100 to 995 / 120 / \\
1\%/step]
\end{tabular} \\
\hline 028 & Wide Roller:PaperTransfer:Low:2Side:S2 & *ENG & \begin{tabular}{l}
[100 to 995 / 140 / \\
1\%/step]
\end{tabular} \\
\hline 029 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S3
\end{tabular} & *ENG & \begin{tabular}{l}
[100 to 995 / 118 / \\
1\%/step]
\end{tabular} \\
\hline 030 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S3
\end{tabular} & *ENG & \begin{tabular}{l}
[100 to 995 / 180 / \\
1\%/step]
\end{tabular} \\
\hline 031 & Wide Roller:PaperTransfer:Low:1Side:S3 & *ENG & \begin{tabular}{l}
[100 to 995 / 118 / \\
1\%/step]
\end{tabular} \\
\hline 032 & Wide Roller:PaperTransfer:Low:2Side:S3 & *ENG & \begin{tabular}{l}
[100 to 995 / 180 / \\
1\%/step]
\end{tabular} \\
\hline 033 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S4
\end{tabular} & *ENG & \begin{tabular}{l}
[100 to 995 / 130 / \\
1\%/step]
\end{tabular} \\
\hline 034 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S4
\end{tabular} & *ENG & \begin{tabular}{l}
[100 to 995 / 200 / \\
1\%/step]
\end{tabular} \\
\hline 035 & Wide Roller:PaperTransfer:Low:1Side:S4 & *ENG & \begin{tabular}{l}
[100 to 995 / 130 / \\
1\%/step]
\end{tabular} \\
\hline 036 & Wide Roller:PaperTransfer:Low:2Side:S4 & *ENG & \begin{tabular}{l}
[100 to 995 / 200 / \\
1\%/step]
\end{tabular} \\
\hline 037 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S5
\end{tabular} & *ENG & \begin{tabular}{l}
[100 to 995 / 140 / \\
1\%/step]
\end{tabular} \\
\hline 038 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S5
\end{tabular} & *ENG & \begin{tabular}{l}
[100 to 995 / 240 / \\
1\%/step]
\end{tabular} \\
\hline 039 & Wide Roller:PaperTransfer:Low:1Side:S5 & *ENG & \begin{tabular}{l}
[100 to 995 / 140 / \\
1\%/step]
\end{tabular} \\
\hline 040 & Wide Roller:PaperTransfer:Low:2Side:S5 & *ENG & \begin{tabular}{l}
[100 to 995 / 240 / \\
1\%/step]
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2433} & \multicolumn{3}{|l|}{[Plain2:Size-Env.Correct:BW]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size correction per paper thickness / mode (FC/BW) / line speed / printing sides.} \\
\hline 001 & PaperTransfer:Standard:1Sid:S1 & *ENG & [1 to \(100 / 10\) / 1/step] \\
\hline 002 & PaperTransfer:Standard:2Sid:S1 & *ENG & [1 to \(100 / 15\) / 1/step] \\
\hline 003 & PaperTransfer:Low:1Side:S1 & *ENG & [1 to \(100 / 10\) / 1/step] \\
\hline 004 & PaperTransfer:Low:2Side:S1 & *ENG & [1 to \(100 / 15\) / 1/step] \\
\hline 005 & PaperTransfer:Standard:1Sid:S2 & *ENG & [1 to \(100 / 11\) / 1/step] \\
\hline 006 & PaperTransfer:Standard:2Sid:S2 & *ENG & [1 to \(100 / 16\) / 1/step] \\
\hline 007 & PaperTransfer:Low:1Side:S2 & *ENG & [1 to \(100 / 11 / 1 /\) step] \\
\hline 008 & PaperTransfer:Low:2Side:S2 & *ENG & [1 to \(100 / 16\) / 1/step] \\
\hline 009 & PaperTransfer:Standard:1Sid:S3 & *ENG & [1 to \(100 / 12\) / 1/step] \\
\hline 010 & PaperTransfer:Standard:2Sid:S3 & *ENG & [1 to \(100 / 17\) / 1/step] \\
\hline 011 & PaperTransfer:Low:1Side:S3 & *ENG & [1 to \(100 / 12 / 1 /\) step] \\
\hline 012 & PaperTransfer:Low:2Side:S3 & *ENG & [1 to \(100 / 17 / 1 /\) step] \\
\hline 013 & PaperTransfer:Standard:1Sid:S4 & *ENG & [1 to \(100 / 13 / 1 /\) step] \\
\hline 014 & PaperTransfer:Standard:2Sid:S4 & *ENG & [1 to \(100 / 18 / 1 /\) step] \\
\hline 015 & PaperTransfer:Low:1Side:S4 & *ENG & [1 to \(100 / 13 / 1 /\) step] \\
\hline 016 & PaperTransfer:Low:2Side:S4 & *ENG & [1 to \(100 / 18 / 1 /\) step] \\
\hline 017 & PaperTransfer:Standard:1Sid:S5 & *ENG & [1 to \(100 / 14 / 1 /\) step] \\
\hline 018 & PaperTransfer:Standard:2Sid:S5 & *ENG & [1 to \(100 / 19 / 1 /\) step] \\
\hline 019 & PaperTransfer:Low:1Side:S5 & *ENG & [1 to \(100 / 14\) / 1/step] \\
\hline 020 & PaperTransfer:Low:2Side:S5 & *ENG & [1 to \(100 / 19\) / 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2433} & \multicolumn{3}{|l|}{[Plain2:Size-Env.Correct:BW]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size correction per paper thickness / mode (FC/BW) / line speed / printing sides. (With using optional wide unit)} \\
\hline 021 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S1
\end{tabular} & *ENG & [1 to \(100 / 10 / 1 /\) step] \\
\hline 022 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S1
\end{tabular} & *ENG & [1 to \(100 / 15\) / 1/step] \\
\hline 023 & Wide Roller:PaperTransfer:Low:1Side:S1 & *ENG & [1 to \(100 / 10 / 1 /\) step] \\
\hline 024 & Wide Roller:PaperTransfer:Low:2Side:S1 & *ENG & [1 to \(100 / 15 / 1 /\) step] \\
\hline 025 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S2
\end{tabular} & *ENG & [1 to \(100 / 11\) / 1/step] \\
\hline 026 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S2
\end{tabular} & *ENG & [1 to \(100 / 16 / 1 /\) step] \\
\hline 027 & Wide Roller:PaperTransfer:Low:1Side:S2 & *ENG & [1 to \(100 / 11 / 1 /\) step] \\
\hline 028 & Wide Roller:PaperTransfer:Low:2Side:S2 & *ENG & [1 to \(100 / 16 / 1 /\) step] \\
\hline 029 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S3
\end{tabular} & *ENG & [1 to \(100 / 12 / 1 /\) step] \\
\hline 030 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S3
\end{tabular} & *ENG & [1 to \(100 / 17\) / 1/step] \\
\hline 031 & Wide Roller:PaperTransfer:Low:1Side:S3 & *ENG & [1 to \(100 / 12 / 1 /\) step] \\
\hline 032 & Wide Roller:PaperTransfer:Low:2Side:S3 & *ENG & [1 to \(100 / 17 / 1 /\) step] \\
\hline 033 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S4
\end{tabular} & *ENG & [1 to \(100 / 13\) / 1/step] \\
\hline 034 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S4
\end{tabular} & *ENG & [1 to \(100 / 18 / 1 /\) step] \\
\hline 035 & Wide Roller:PaperTransfer:Low:1Side:S4 & *ENG & [1 to \(100 / 13 / 1 /\) step] \\
\hline 036 & Wide Roller:PaperTransfer:Low:2Side:S4 & *ENG & [1 to \(100 / 18 / 1 /\) step] \\
\hline
\end{tabular}
\begin{tabular}{|c|l|l|l|}
\hline 037 & \begin{tabular}{l} 
Wide \\
Roller:PaperTransfer:Standard:1Sid:S5
\end{tabular} & *ENG & {\([1\) to \(100 / 14 / 1 /\) step \(]\)} \\
\hline 038 & \begin{tabular}{l} 
Wide \\
Roller:PaperTransfer:Standard:2Sid:S5
\end{tabular} & *ENG & {\([1\) to \(100 / 19 / 1 /\) step \(]\)} \\
\hline 039 & Wide Roller:PaperTransfer:Low:1Side:S5 & *ENG & {\([1\) to \(100 / 14 / 1 /\) step \(]\)} \\
\hline 040 & Wide Roller:PaperTransfer:Low:2Side:S5 & *ENG & {\([1\) to \(100 / 19 / 1 /\) step \(]\)} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2434} & \multicolumn{3}{|l|}{[Plain2:Size-Env.Correct:FC]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size correction per paper thickness / mode (FC/BW) / line speed / printing sides.} \\
\hline 001 & PaperTransfer:Standard:1Sid:S1 & *ENG & [1 to 100 / 20 / 1/step] \\
\hline 002 & PaperTransfer:Standard:2Sid:S1 & *ENG & [1 to 100 / 25 / 1/step] \\
\hline 003 & PaperTransfer:Low:1Side:S1 & *ENG & [1 to 100 / 20 / 1/step] \\
\hline 004 & PaperTransfer:Low:2Side:S1 & *ENG & [1 to 100 / 25 / 1/step] \\
\hline 005 & PaperTransfer:Standard:1Sid:S2 & *ENG & [1 to 100 / 21 / 1/step] \\
\hline 006 & PaperTransfer:Standard:2Sid:S2 & *ENG & [1 to 100 / 26 / 1/step] \\
\hline 007 & PaperTransfer:Low:1Side:S2 & *ENG & [1 to 100 / 21 / 1/step] \\
\hline 008 & PaperTransfer:Low:2Side:S2 & *ENG & [1 to 100 / 26 / 1/step] \\
\hline 009 & PaperTransfer:Standard:1Sid:S3 & *ENG & [1 to 100 / 22 / 1/step] \\
\hline 010 & PaperTransfer:Standard:2Sid:S3 & *ENG & [1 to 100 / 27 / 1/step] \\
\hline 011 & PaperTransfer:Low:1Side:S3 & *ENG & [1 to 100 / 22 / 1/step] \\
\hline 012 & PaperTransfer:Low:2Side:S3 & *ENG & [1 to 100 / 27 / 1/step] \\
\hline 013 & PaperTransfer:Standard:1Sid:S4 & *ENG & [1 to 100 / 23 / 1/step] \\
\hline 014 & PaperTransfer:Standard:2Sid:S4 & *ENG & [1 to 100 / 28 / 1/step] \\
\hline 015 & PaperTransfer:Low:1Side:S4 & *ENG & [1 to 100 / 23 / 1/step] \\
\hline 016 & PaperTransfer:Low:2Side:S4 & *ENG & [1 to 100 / 28 / 1/step] \\
\hline 017 & PaperTransfer:Standard:1Sid:S5 & *ENG & [1 to 100 / 24 / 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 018 & PaperTransfer:Standard:2Sid:S5 & *ENG & [1 to \(100 / 29\) / 1/step] \\
\hline 019 & PaperTransfer:Low:1Side:S5 & *ENG & [1 to \(100 / 24\) / 1/step] \\
\hline 020 & PaperTransfer:Low:2Side:S5 & *ENG & [1 to \(100 / 29\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{[Plain2:Size-Env.Correct:FC]} \\
\hline 2434 & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size correction per paper thickness / mode (FC/BW) / line speed / printing sides. (With using optional wide unit)} \\
\hline 021 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S1
\end{tabular} & *ENG & [1 to 100 / 20 / 1/step] \\
\hline 022 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S1
\end{tabular} & *ENG & [1 to 100 / 25 / 1/step] \\
\hline 023 & Wide Roller:PaperTransfer:Low:1Side:S1 & *ENG & [1 to \(100 / 20 / 1 /\) step] \\
\hline 024 & Wide Roller:PaperTransfer:Low:2Side:S1 & *ENG & [1 to \(100 / 25 / 1 /\) step] \\
\hline 025 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S2
\end{tabular} & *ENG & [1 to 100 / 21 / 1/step] \\
\hline 026 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S2
\end{tabular} & *ENG & [1 to 100 / 26 / 1/step] \\
\hline 027 & Wide Roller:PaperTransfer:Low:1Side:S2 & *ENG & [1 to \(100 / 21 / 1 /\) step] \\
\hline 028 & Wide Roller:PaperTransfer:Low:2Side:S2 & *ENG & [1 to \(100 / 26 / 1 /\) step] \\
\hline 029 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S3
\end{tabular} & *ENG & [1 to 100 / 22 / 1/step] \\
\hline 030 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S3
\end{tabular} & *ENG & [1 to 100 / 27 / 1/step] \\
\hline 031 & Wide Roller:PaperTransfer:Low:1Side:S3 & *ENG & [1 to \(100 / 22 / 1 /\) step] \\
\hline 032 & Wide Roller:PaperTransfer:Low:2Side:S3 & *ENG & [1 to \(100 / 27 / 1 /\) step] \\
\hline 033 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S4
\end{tabular} & *ENG & [1 to \(100 / 23 / 1 /\) step] \\
\hline 034 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S4
\end{tabular} & *ENG & [1 to 100 / 28 / 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|l|l|l|}
\hline 035 & Wide Roller:PaperTransfer:Low:1Side:S4 & *ENG & [1 to 100 / 23 / 1/step] \\
\hline 036 & Wide Roller:PaperTransfer:Low:2Side:S4 & *ENG & {\([1\) to 100 / 28 / 1/step] } \\
\hline 037 & \begin{tabular}{l} 
Wide \\
Roller:PaperTransfer:Standard:1Sid:S5
\end{tabular} & *ENG & [1 to 100 / 24 / 1/step] \\
\hline 038 & \begin{tabular}{l} 
Wide \\
Roller:PaperTransfer:Standard:2Sid:S5
\end{tabular} & *ENG & [1 to 100 / 29 / 1/step] \\
\hline 039 & Wide Roller:PaperTransfer:Low:1Side:S5 & *ENG & {\([1\) to 100 / 24 / 1/step] } \\
\hline 040 & Wide Roller:PaperTransfer:Low:2Side:S5 & *ENG & {\([1\) to 100 / 29 / 1/step] } \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2435} & \multicolumn{3}{|l|}{[Plain2:LeadingEdgeCorrection]} \\
\hline & \multicolumn{3}{|l|}{Sets output value [\%] for paper transfer leading edge correction per pape thickness / line speed / printing sides.} \\
\hline 001 & PaperTransfer:Standard:1Side & *ENG & [0 to 995 / 100 / 5\%/step] \\
\hline 002 & PaperTransfer:Standard:2Side & *ENG & [0 to 995 / 100 / 5\%/step] \\
\hline 003 & Paper Transfer:Low:1side & *ENG & [0 to 995 / 100 / 5\%/step] \\
\hline 004 & Paper Transfer:Low:2side & *ENG & [0 to 995 / 100 / 5\%/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2436} & \multicolumn{3}{|l|}{[Plain2:SwitchTimingLeadEdge]} \\
\hline & \multicolumn{3}{|l|}{Sets switch timing for paper transfer ampere leading edge correct per thickness / line speed / printing sides.} \\
\hline 001 & PaperTransfer:Standard:1side & *ENG & [0 to \(50 / 0 / 2 \mathrm{~mm} / \mathrm{step}\) ] \\
\hline 002 & PaperTransfer:Standard:2side & *ENG & [0 to \(50 / 0 / 2 \mathrm{~mm} / \mathrm{step}\) ] \\
\hline 003 & Paper Transfer:Low:1side & *ENG & [0 to \(50 / 0 / 2 \mathrm{~mm} / \mathrm{step}\) ] \\
\hline 004 & Paper Transfer:Low:2side & *ENG & [0 to \(50 / 0 / 2 \mathrm{~mm} / \mathrm{step}\) ] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2437} & \multicolumn{3}{|l|}{[Plain2:TrailEdgeCorrection]} \\
\hline & \multicolumn{3}{|l|}{Sets output value [\%] for paper transfer trailing edge correction per paper thickness / line speed / printing sides.} \\
\hline 001 & PaperTransfer:Standard:1Side & *ENG & [0 to 995 / 100 / 5\%/step] \\
\hline 002 & PaperTransfer:Standard:2Side & *ENG & [0 to 995 / \(100 / 5 \% /\) step] \\
\hline 003 & Paper Transfer:Low:1side & *ENG & [0 to 995 / 100 / 5\%/step] \\
\hline 004 & Paper Transfer:Low:2side & *ENG & [0 to 995 / \(100 / 5 \% /\) step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2438} & \multicolumn{3}{|l|}{[Plain2:SwitchTimingTrailEdge]} \\
\hline & \multicolumn{3}{|l|}{Sets switch timing for paper transfer ampere trailing edge correct per thickness line speed / printing sides.} \\
\hline 001 & PaperTransfer:Standard:1side & *ENG & [0 to \(50 / 0 / 2 \mathrm{~mm} / \mathrm{step}\) ] \\
\hline 002 & PaperTransfer:Standard:2side & *ENG & [ 0 to \(50 / 0 / 2 \mathrm{~mm} / \mathrm{step}\) ] \\
\hline 003 & Paper Transfer:Low:1side & *ENG & [ 0 to \(50 / 0 / 2 \mathrm{~mm} / \mathrm{step}\) ] \\
\hline 004 & Paper Transfer:Low:2side & *ENG & [0 to \(50 / 0 / 2 \mathrm{~mm} / \mathrm{step}\) ] \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{2}{*}{2443} & \multicolumn{3}{|l|}{} \\
\cline { 2 - 4 } & \begin{tabular}{l} 
[Middle:Bias:BW] \\
\\
Sets paper transfer ampere per thickness / mode (FC/BW) / line speed / printing \\
sides.
\end{tabular} \\
\hline 001 & PaperTransfer:standard:1side & *ENG & [0 to 200 / 22 / 1-uA/step] \\
\hline 002 & PaperTransfer:standard:2side & *ENG & [0 to 200 / 22 / 1-uA/step] \\
\hline 003 & PaperTransfer:low:1side & *ENG & [0 to 200 / 11 / 1-uA/step] \\
\hline 004 & PaperTransfer:low:2side & *ENG & [0 to 200 / 11 / 1-uA/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2447} & \multicolumn{3}{|l|}{[Middle:Bias:FC]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere per thickness / mode (FC/BW) / line speed / printing sides.} \\
\hline 001 & PaperTransfer:standard:1side & *ENG & [0 to 200 / 29 / 1-uA/step] \\
\hline 002 & PaperTransfer:standard:2side & *ENG & [0 to 200 / 30 / 1-uA/step] \\
\hline 003 & PaperTransfer:low:1side & *ENG & [0 to 200 / 14 / 1-uA/step] \\
\hline 004 & PaperTransfer:low:2side & *ENG & [0 to 200 / 15 / 1-uA/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2451} & \multicolumn{3}{|l|}{[Middle:SizeCorrection:BW]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size correction per thickness / mode (FC/BW) / line speed / printing sides.} \\
\hline 001 & PaperTransfer:Standard:1Sid:S1 & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline 002 & PaperTransfer:Standard:2Sid:S1 & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline 003 & PaperTransfer:Low:1Side:S1 & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline 004 & PaperTransfer:Low:2Side:S1 & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline 005 & PaperTransfer:Standard:1Sid:S2 & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline 006 & PaperTransfer:Standard:2Sid:S2 & *ENG & [100 to 995 / 106 / 1\%/step] \\
\hline 007 & PaperTransfer:Low:1Side:S2 & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline 008 & PaperTransfer:Low:2Side:S2 & *ENG & \begin{tabular}{l}
[100 to 995 / 106 / \\
1\%/step]
\end{tabular} \\
\hline 009 & PaperTransfer:Standard:1Sid:S3 & *ENG & [100 to 995 / 105 / 1\%/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 010 & PaperTransfer:Standard:2Sid:S3 & *ENG & \begin{tabular}{l}
[100 to 995 / 110 / \\
1\%/step]
\end{tabular} \\
\hline 011 & PaperTransfer:Low:1Side:S3 & *ENG & \begin{tabular}{l}
[100 to 995 / 105 / \\
1\%/step]
\end{tabular} \\
\hline 012 & PaperTransfer:Low:2Side:S3 & *ENG & \begin{tabular}{l}
[100 to 995 / 110 / \\
1\%/step]
\end{tabular} \\
\hline 013 & PaperTransfer:Standard:1Sid:S4 & *ENG & \begin{tabular}{l}
[100 to 995 / 113 / \\
1\%/step]
\end{tabular} \\
\hline 014 & PaperTransfer:Standard:2Sid:S4 & *ENG & \begin{tabular}{l}
[100 to 995 / 120 / \\
1\%/step]
\end{tabular} \\
\hline 015 & PaperTransfer:Low:1Side:S4 & *ENG & \begin{tabular}{l}
[100 to 995 / 113 / \\
1\%/step]
\end{tabular} \\
\hline 016 & PaperTransfer:Low:2Side:S4 & *ENG & \begin{tabular}{l}
[100 to 995 / 120 / \\
1\%/step]
\end{tabular} \\
\hline 017 & PaperTransfer:Standard:1Sid:S5 & *ENG & \begin{tabular}{l}
[100 to 995 / 118 / \\
1\%/step]
\end{tabular} \\
\hline 018 & PaperTransfer:Standard:2Sid:S5 & *ENG & \begin{tabular}{l}
[100 to 995 / 140 / \\
1\%/step]
\end{tabular} \\
\hline 019 & PaperTransfer:Low:1Side:S5 & *ENG & \begin{tabular}{l}
[100 to 995 / 118 / \\
1\%/step]
\end{tabular} \\
\hline 020 & PaperTransfer:Low:2Side:S5 & *ENG & \begin{tabular}{l}
[100 to 995 / 140 / \\
1\%/step]
\end{tabular} \\
\hline \multirow[b]{2}{*}{2451} & \multicolumn{3}{|l|}{[Middle:SizeCorrection:BW]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size correction per thickness / mode (FC/BW) line speed / printing sides. (With using optional wide unit)} \\
\hline 021 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S1
\end{tabular} & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline 022 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S1
\end{tabular} & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline 023 & Wide Roller:PaperTransfer:Low:1Side:S1 & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 024 & Wide Roller:PaperTransfer:Low:2Side:S1 & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline 025 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S2
\end{tabular} & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline 026 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S2
\end{tabular} & *ENG & [100 to 995 / 106 / 1\%/step] \\
\hline 027 & Wide Roller:PaperTransfer:Low:1Side:S2 & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline 028 & Wide Roller:PaperTransfer:Low:2Side:S2 & *ENG & \begin{tabular}{l}
[100 to 995 / 106 / \\
1\%/step]
\end{tabular} \\
\hline 029 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S3
\end{tabular} & *ENG & \begin{tabular}{l}
[100 to 995 / 105 / \\
1\%/step]
\end{tabular} \\
\hline 030 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S3
\end{tabular} & *ENG & \begin{tabular}{l}
[100 to 995 / 110 / \\
1\%/step]
\end{tabular} \\
\hline 031 & Wide Roller:PaperTransfer:Low:1Side:S3 & *ENG & \begin{tabular}{l}
[100 to 995 / 105 / \\
1\%/step]
\end{tabular} \\
\hline 032 & Wide Roller:PaperTransfer:Low:2Side:S3 & *ENG & \begin{tabular}{l}
[100 to 995 / 110 / \\
1\%/step]
\end{tabular} \\
\hline 033 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S4
\end{tabular} & *ENG & \begin{tabular}{l}
[100 to 995 / 113 / \\
1\%/step]
\end{tabular} \\
\hline 034 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S4
\end{tabular} & *ENG & \begin{tabular}{l}
[100 to 995 / 120 / \\
1\%/step]
\end{tabular} \\
\hline 035 & Wide Roller:PaperTransfer:Low:1Side:S4 & *ENG & \begin{tabular}{l}
[100 to 995 / 113 / \\
1\%/step]
\end{tabular} \\
\hline 036 & Wide Roller:PaperTransfer:Low:2Side:S4 & *ENG & \begin{tabular}{l}
[100 to 995 / 120 / \\
1\%/step]
\end{tabular} \\
\hline 037 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S5
\end{tabular} & *ENG & \begin{tabular}{l}
[100 to 995 / 118 / \\
1\%/step]
\end{tabular} \\
\hline 038 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S5
\end{tabular} & *ENG & [100 to 995 / 140 / 1\%/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|l|l|l|}
\hline 039 & Wide Roller:PaperTransfer:Low:1Side:S5 & *ENG & \begin{tabular}{l}
{\([100\) to 995 / 118 / } \\
\(1 \% /\) step \(]\)
\end{tabular} \\
\hline 040 & Wide Roller:PaperTransfer:Low:2Side:S5
\end{tabular} *ENG \begin{tabular}{l}
{\([100\) to 995 / 140 / } \\
\(1 \% /\) step \(]\)
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2452} & \multicolumn{3}{|l|}{[Middle:SizeCorrection:FC]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size correction per thickness / mode (FC/BW) / line speed / printing sides.} \\
\hline 001 & PaperTransfer:Standard:1Sid:S1 & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline 002 & PaperTransfer:Standard:2Sid:S1 & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline 003 & PaperTransfer:Low:1Side:S1 & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline 004 & PaperTransfer:Low:2Side:S1 & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline 005 & PaperTransfer:Standard:1Sid:S2 & *ENG & \begin{tabular}{l}
[100 to 995 / 106 / \\
1\%/step]
\end{tabular} \\
\hline 006 & PaperTransfer:Standard:2Sid:S2 & *ENG & \begin{tabular}{l}
[100 to 995 / 132 / \\
1\%/step]
\end{tabular} \\
\hline 007 & PaperTransfer:Low:1Side:S2 & *ENG & \begin{tabular}{l}
[100 to 995 / 106 / \\
1\%/step]
\end{tabular} \\
\hline 008 & PaperTransfer:Low:2Side:S2 & *ENG & \begin{tabular}{l}
[100 to 995 / 132 / \\
1\%/step]
\end{tabular} \\
\hline 009 & PaperTransfer:Standard:1Sid:S3 & *ENG & \begin{tabular}{l}
[100 to 995 / 110 / \\
1\%/step]
\end{tabular} \\
\hline 010 & PaperTransfer:Standard:2Sid:S3 & *ENG & \begin{tabular}{l}
[100 to 995 / 170 / \\
1\%/step]
\end{tabular} \\
\hline 011 & PaperTransfer:Low:1Side:S3 & *ENG & \begin{tabular}{l}
[100 to 995 / 110 / \\
1\%/step]
\end{tabular} \\
\hline 012 & PaperTransfer:Low:2Side:S3 & *ENG & \begin{tabular}{l}
[100 to 995 / 170 / \\
1\%/step]
\end{tabular} \\
\hline 013 & PaperTransfer:Standard:1Sid:S4 & *ENG & \begin{tabular}{l}
[100 to 995 / 120 / \\
1\%/step]
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 014 & PaperTransfer:Standard:2Sid:S4 & *ENG & \begin{tabular}{l}
[100 to 995 / 189 / \\
1\%/step]
\end{tabular} \\
\hline 015 & PaperTransfer:Low:1Side:S4 & *ENG & \begin{tabular}{l}
[100 to 995 / 120 / \\
1\%/step]
\end{tabular} \\
\hline 016 & PaperTransfer:Low:2Side:S4 & *ENG & \begin{tabular}{l}
[100 to 995 / 189 / \\
1\%/step]
\end{tabular} \\
\hline 017 & PaperTransfer:Standard:1Sid:S5 & *ENG & \begin{tabular}{l}
[100 to 995 / 140 / \\
1\%/step]
\end{tabular} \\
\hline 018 & PaperTransfer:Standard:2Sid:S5 & *ENG & \begin{tabular}{l}
[100 to 995 / 245 / \\
1\%/step]
\end{tabular} \\
\hline 019 & PaperTransfer:Low:1Side:S5 & *ENG & \begin{tabular}{l}
[100 to 995 / 140 / \\
1\%/step]
\end{tabular} \\
\hline 020 & PaperTransfer:Low:2Side:S5 & *ENG & \begin{tabular}{l}
[100 to 995 / 245 / \\
1\%/step]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{[Middle:SizeCorrection:FC]} \\
\hline 2452 & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size correction per thickness / mode (FC/BW) / line speed / printing sides. (With using optional wide unit)} \\
\hline 021 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S1
\end{tabular} & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline 022 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S1
\end{tabular} & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline 023 & Wide Roller:PaperTransfer:Low:1Side:S1 & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline 024 & Wide Roller:PaperTransfer:Low:2Side:S1 & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline 025 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S2
\end{tabular} & *ENG & \begin{tabular}{l}
[100 to 995 / 106 / \\
1\%/step]
\end{tabular} \\
\hline 026 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S2
\end{tabular} & *ENG & \begin{tabular}{l}
[100 to 995 / 132 / \\
1\%/step]
\end{tabular} \\
\hline 027 & Wide Roller:PaperTransfer:Low:1Side:S2 & *ENG & \begin{tabular}{l}
[100 to 995 / 106 / \\
1\%/step]
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 028 & Wide Roller:PaperTransfer:Low:2Side:S2 & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 132 \text { / } \\
& \text { 1\%/step] }
\end{aligned}
\] \\
\hline 029 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S3
\end{tabular} & *ENG & [100 to 995 / 110 / 1\%/step] \\
\hline 030 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S3
\end{tabular} & *ENG & [100 to 995 / 170 / 1\%/step] \\
\hline 031 & Wide Roller:PaperTransfer:Low:1Side:S3 & *ENG & [100 to 995 / 110 / 1\%/step] \\
\hline 032 & Wide Roller:PaperTransfer:Low:2Side:S3 & *ENG & [100 to 995 / 170 / 1\%/step] \\
\hline 033 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S4
\end{tabular} & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 120 \text { / } \\
& \text { 1\%/step] }
\end{aligned}
\] \\
\hline 034 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S4
\end{tabular} & *ENG & [100 to 995 / 189 / 1\%/step] \\
\hline 035 & Wide Roller:PaperTransfer:Low:1Side:S4 & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 120 / \\
& \text { 1\%/step] }
\end{aligned}
\] \\
\hline 036 & Wide Roller:PaperTransfer:Low:2Side:S4 & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 189 \text { / } \\
& \text { 1\%/step] }
\end{aligned}
\] \\
\hline 037 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S5
\end{tabular} & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 140 / \\
& \text { 1\%/step] }
\end{aligned}
\] \\
\hline 038 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S5
\end{tabular} & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 245 \text { / } \\
& \text { 1\%/step] }
\end{aligned}
\] \\
\hline 039 & Wide Roller:PaperTransfer:Low:1Side:S5 & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 140 / \\
& \text { 1\%/step] }
\end{aligned}
\] \\
\hline 040 & Wide Roller:PaperTransfer:Low:2Side:S5 & *ENG & [100 to 995 / 245 / 1\%/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2453} & \multicolumn{3}{|l|}{[Middle:Size-Env.Correct:BW]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size correction per thickness / mode (FC/BW) / line speed / printing sides.} \\
\hline 001 & PaperTransfer:Standard:1Sid:S1 & *ENG & [1 to \(100 / 10 / 1 /\) step] \\
\hline 002 & PaperTransfer:Standard:2Sid:S1 & *ENG & [1 to \(100 / 41 / 1 /\) step] \\
\hline 003 & PaperTransfer:Low:1Side:S1 & *ENG & [ 1 to \(100 / 10 / 1 /\) step] \\
\hline 004 & PaperTransfer:Low:2Side:S1 & *ENG & [1 to \(100 / 41 / 1 /\) step] \\
\hline 005 & PaperTransfer:Standard:1Sid:S2 & *ENG & [1 to \(100 / 39 / 1 /\) step] \\
\hline 006 & PaperTransfer:Standard:2Sid:S2 & *ENG & [ 1 to \(100 / 42 / 1 /\) step] \\
\hline 007 & PaperTransfer:Low:1Side:S2 & *ENG & [ 1 to \(100 / 39 / 1 /\) step] \\
\hline 008 & PaperTransfer:Low:2Side:S2 & *ENG & [ 1 to \(100 / 42 / 1 /\) step] \\
\hline 009 & PaperTransfer:Standard:1Sid:S3 & *ENG & [ 1 to \(100 / 40 / 1 /\) step] \\
\hline 010 & PaperTransfer:Standard:2Sid:S3 & *ENG & [ 1 to \(100 / 43 / 1 /\) step] \\
\hline 011 & PaperTransfer:Low:1Side:S3 & *ENG & [ 1 to \(100 / 40 / 1 /\) step] \\
\hline 012 & PaperTransfer:Low:2Side:S3 & *ENG & [1 to \(100 / 43 / 1 /\) step] \\
\hline 013 & PaperTransfer:Standard:1Sid:S4 & *ENG & [1 to \(100 / 40 / 1 /\) step] \\
\hline 014 & PaperTransfer:Standard:2Sid:S4 & *ENG & [1 to \(100 / 44 / 1 /\) step] \\
\hline 015 & PaperTransfer:Low:1Side:S4 & *ENG & [1 to \(100 / 40 / 1 /\) step] \\
\hline 016 & PaperTransfer:Low:2Side:S4 & *ENG & [1 to \(100 / 44 / 1 /\) step] \\
\hline 017 & PaperTransfer:Standard:1Sid:S5 & *ENG & [1 to \(100 / 40 / 1 /\) step] \\
\hline 018 & PaperTransfer:Standard:2Sid:S5 & *ENG & [ 1 to \(100 / 45 / 1 /\) step] \\
\hline 019 & PaperTransfer:Low:1Side:S5 & *ENG & [ 1 to \(100 / 40 / 1 /\) step] \\
\hline 020 & PaperTransfer:Low:2Side:S5 & *ENG & [1 to \(100 / 45 / 1 /\) step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2453} & \multicolumn{3}{|l|}{[Middle:Size-Env.Correct:BW]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size correction per thickness / mode (FC/BW) / line speed / printing sides. (With using optional wide unit)} \\
\hline 021 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S1
\end{tabular} & *ENG & [1 to \(100 / 10 / 1 /\) step] \\
\hline 022 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S1
\end{tabular} & *ENG & [1 to 100 / 41 / 1/step] \\
\hline 023 & Wide Roller:PaperTransfer:Low:1Side:S1 & *ENG & [ 1 to \(100 / 10 / 1 /\) step] \\
\hline 024 & Wide Roller:PaperTransfer:Low:2Side:S1 & *ENG & [1 to \(100 / 41 / 1 /\) step] \\
\hline 025 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S2
\end{tabular} & *ENG & [1 to 100 / 39 / 1/step] \\
\hline 026 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S2
\end{tabular} & *ENG & [1 to \(100 / 42 / 1 /\) step] \\
\hline 027 & Wide Roller:PaperTransfer:Low:1Side:S2 & *ENG & [ 1 to \(100 / 39 / 1 /\) step] \\
\hline 028 & Wide Roller:PaperTransfer:Low:2Side:S2 & *ENG & [1 to \(100 / 42 / 1 /\) step] \\
\hline 029 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S3
\end{tabular} & *ENG & [1 to \(100 / 40 / 1 /\) step] \\
\hline 030 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S3
\end{tabular} & *ENG & [1 to \(100 / 43\) / 1/step] \\
\hline 031 & Wide Roller:PaperTransfer:Low:1Side:S3 & *ENG & [1 to \(100 / 40 / 1 /\) step] \\
\hline 032 & Wide Roller:PaperTransfer:Low:2Side:S3 & *ENG & [1 to \(100 / 43 / 1 /\) step] \\
\hline 033 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S4
\end{tabular} & *ENG & [1 to \(100 / 40 / 1 /\) step] \\
\hline 034 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S4
\end{tabular} & *ENG & [1 to 100 / 44 / 1/step] \\
\hline 035 & Wide Roller:PaperTransfer:Low:1Side:S4 & *ENG & [ 1 to \(100 / 40 / 1 /\) step] \\
\hline 036 & Wide Roller:PaperTransfer:Low:2Side:S4 & *ENG & [1 to \(100 / 44\) / 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|l|l|l|}
\hline 037 & \begin{tabular}{l} 
Wide \\
Roller:PaperTransfer:Standard:1Sid:S5
\end{tabular} & *ENG & {\([1\) to \(100 / 40 / 1 /\) step \(]\)} \\
\hline 038 & \begin{tabular}{l} 
Wide \\
Roller:PaperTransfer:Standard:2Sid:S5
\end{tabular} & *ENG & {\([1\) to 100 / 45 / 1/step] } \\
\hline 039 & Wide Roller:PaperTransfer:Low:1Side:S5 & *ENG & {\([1\) to 100 / 40 / 1/step] } \\
\hline 040 & Wide Roller:PaperTransfer:Low:2Side:S5 & *ENG & {\([1\) to 100 / 45 / 1/step] } \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2454} & \multicolumn{3}{|l|}{[Middle:Size-Env.Correct:FC]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size correction per thickness / mode (FC/BW) / line speed / printing sides.} \\
\hline 001 & PaperTransfer:Standard:1Sid:S1 & *ENG & [1 to \(100 / 20 / 1 /\) step] \\
\hline 002 & PaperTransfer:Standard:2Sid:S1 & *ENG & [1 to \(100 / 49\) / 1/step] \\
\hline 003 & PaperTransfer:Low:1Side:S1 & *ENG & [1 to 100/20/1/step] \\
\hline 004 & PaperTransfer:Low:2Side:S1 & *ENG & [1 to 100 / 49 / 1/step] \\
\hline 005 & PaperTransfer:Standard:1Sid:S2 & *ENG & [1 to \(100 / 46 / 1 /\) step] \\
\hline 006 & PaperTransfer:Standard:2Sid:S2 & *ENG & [1 to \(100 / 50 / 1 /\) step] \\
\hline 007 & PaperTransfer:Low:1Side:S2 & *ENG & [1 to \(100 / 46 / 1 /\) step] \\
\hline 008 & PaperTransfer:Low:2Side:S2 & *ENG & [1 to \(100 / 50 / 1 /\) step] \\
\hline 009 & PaperTransfer:Standard:1Sid:S3 & *ENG & [1 to \(100 / 47 / 1 /\) step] \\
\hline 010 & PaperTransfer:Standard:2Sid:S3 & *ENG & [1 to \(100 / 51 / 1 /\) step] \\
\hline 011 & PaperTransfer:Low:1Side:S3 & *ENG & [1 to \(100 / 47 / 1 /\) step] \\
\hline 012 & PaperTransfer:Low:2Side:S3 & *ENG & [1 to \(100 / 51 / 1 /\) step] \\
\hline 013 & PaperTransfer:Standard:1Sid:S4 & *ENG & [1 to \(100 / 48 / 1 /\) step] \\
\hline 014 & PaperTransfer:Standard:2Sid:S4 & *ENG & [1 to \(100 / 52 / 1 /\) step] \\
\hline 015 & PaperTransfer:Low:1Side:S4 & *ENG & [1 to \(100 / 48 / 1 /\) step] \\
\hline 016 & PaperTransfer:Low:2Side:S4 & *ENG & [1 to \(100 / 52 / 1 /\) step] \\
\hline 017 & PaperTransfer:Standard:1Sid:S5 & *ENG & [1 to 100/48/1/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 018 & PaperTransfer:Standard:2Sid:S5 & *ENG & [1 to \(100 / 53 / 1 /\) step] \\
\hline 019 & PaperTransfer:Low:1Side:S5 & *ENG & [1 to \(100 / 48 / 1 /\) step] \\
\hline 020 & PaperTransfer:Low:2Side:S5 & *ENG & [1 to \(100 / 53 / 1 /\) step] \\
\hline \multirow[b]{2}{*}{2454} & \multicolumn{3}{|l|}{[Middle:Size-Env.Correct:FC]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size correction per thickness / mode (FC/BW) / line speed / printing sides. (With using optional wide unit)} \\
\hline 021 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S1
\end{tabular} & *ENG & [1 to \(100 / 20 / 1 /\) step] \\
\hline 022 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S1
\end{tabular} & *ENG & [1 to 100 / 49 / 1/step] \\
\hline 023 & Wide Roller:PaperTransfer:Low:1Side:S1 & *ENG & [1 to \(100 / 20 / 1 /\) step] \\
\hline 024 & Wide Roller:PaperTransfer:Low:2Side:S1 & *ENG & [1 to \(100 / 49\) / 1/step] \\
\hline 025 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S2
\end{tabular} & *ENG & [1 to 100 / 46 / 1/step] \\
\hline 026 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S2
\end{tabular} & *ENG & [1 to \(100 / 50 / 1 /\) step] \\
\hline 027 & Wide Roller:PaperTransfer:Low:1Side:S2 & *ENG & [1 to \(100 / 46 / 1 /\) step] \\
\hline 028 & Wide Roller:PaperTransfer:Low:2Side:S2 & *ENG & [1 to \(100 / 50 / 1 /\) step] \\
\hline 029 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S3
\end{tabular} & *ENG & [1 to 100 / 47 / 1/step] \\
\hline 030 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S3
\end{tabular} & *ENG & [1 to \(100 / 51 / 1 /\) step] \\
\hline 031 & Wide Roller:PaperTransfer:Low:1Side:S3 & *ENG & [1 to \(100 / 47 / 1 /\) step] \\
\hline 032 & Wide Roller:PaperTransfer:Low:2Side:S3 & *ENG & [1 to \(100 / 51 / 1 /\) step] \\
\hline 033 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S4
\end{tabular} & *ENG & [1 to \(100 / 48\) / 1/step] \\
\hline 034 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S4
\end{tabular} & *ENG & [1 to 100 / \(52 / 1 /\) step] \\
\hline 035 & Wide Roller:PaperTransfer:Low:1Side:S4 & *ENG & [ 1 to \(100 / 48 / 1 /\) step] \\
\hline
\end{tabular}
\(\left.\begin{array}{|c|l|l|l|}\hline 036 & \text { Wide Roller:PaperTransfer:Low:2Side:S4 } & \text { *ENG } & {[1 \text { to } 100 / 52 / 1 / \text { step }]} \\
\hline 037 & \begin{array}{l}\text { Wide } \\
\text { Roller:PaperTransfer:Standard:1Sid:S5 }\end{array} & \text { *ENG } & {[1 \text { to } 100 / 48 / 1 / \text { step }]} \\
\hline 038 & \begin{array}{l}\text { Wide } \\
\text { Roller:PaperTransfer:Standard:2Sid:S5 }\end{array} & \text { *ENG } & {[1 \text { to } 100 / 53 / 1 / \text { step }]} \\
\hline 039 & \text { Wide Roller:PaperTransfer:Low:1Side:S5 } & \text { *ENG } & {[1 \text { to } 100 / 48 / 1 / \text { step] }}\end{array}\right]\)\begin{tabular}{l}
\hline 040 \\
\hline Wide Roller:PaperTransfer:Low:2Side:S5 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2455} & \multicolumn{3}{|l|}{[Middle:LeadingEdgeCorrection]} \\
\hline & \multicolumn{3}{|l|}{Sets output value [\%] for paper transfer ampere leading edge correction per thickness / line speed / printing sides.} \\
\hline 001 & PaperTransfer:Standard:1Side & *ENG & [0 to 995 / 100 / 5\%/step] \\
\hline 002 & PaperTransfer:Standard:2Side & *ENG & [0 to 995 / 100 / 5\%/step] \\
\hline 003 & Paper Transfer:Low:1side & *ENG & [0 to 995 / 100 / 5\%/step] \\
\hline 004 & Paper Transfer:Low:2side & *ENG & [0 to 995 / 100 / 5\%/step] \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{2}{*}{2456} & \multicolumn{3}{|l|}{ [Middle:SwitchTimingLeadEdge] } \\
\cline { 2 - 5 } & \begin{tabular}{l} 
Sets switch timing for paper transfer ampere leading edge correction per \\
thickness / line speed / printing sides.
\end{tabular} \\
\hline 001 & PaperTransfer:Standard:1side & *ENG & {\([0\) to \(50 / 0 / 2 \mathrm{~mm} /\) step \(]\)} \\
\hline 002 & PaperTransfer:Standard:2side & *ENG & {\([0\) to \(50 / 0 / 2 \mathrm{~mm} / \mathrm{step}]\)} \\
\hline 003 & Paper Transfer:Low:1side & *ENG & {\([0\) to \(50 / 0 / 2 \mathrm{~mm} / \mathrm{step}]\)} \\
\hline 004 & Paper Transfer:Low:2side & *ENG & {\([0\) to \(50 / 0 / 2 \mathrm{~mm} / \mathrm{step}]\)} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2457} & \multicolumn{3}{|l|}{[Middle:TrailEdgeCorrection]} \\
\hline & \multicolumn{3}{|l|}{Sets output value [\%] for paper transfer ampere trailing edge correction per thickness / line speed / printing sides.} \\
\hline 001 & PaperTransfer:Standard:1Side & *ENG & [0 to 995 / 100 / 5\%/step] \\
\hline 002 & PaperTransfer:Standard:2Side & *ENG & [0 to 995 / 100 / 5\%/step] \\
\hline 003 & Paper Transfer:Low:1side & *ENG & [0 to 995 / 100 / 5\%/step] \\
\hline 004 & Paper Transfer:Low:2side & *ENG & [0 to 995 / \(100 / 5 \% /\) step] \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{2}{*}{2458} & \multicolumn{3}{|l|}{} \\
\cline { 2 - 4 } & [Middle:SwitchTimingTrailEdge] \\
\cline { 2 - 4 } & \begin{tabular}{l} 
Sets switch timing for paper transfer ampere trailing edge correction per \\
thickness / line speed / printing sides.
\end{tabular} \\
\hline 001 & PaperTransfer:Standard:1side & *ENG & {\([0\) to \(50 / 0 / 2 \mathrm{~mm} /\) step \(]\)} \\
\hline 002 & PaperTransfer:Standard:2side & *ENG & {\([0\) to \(50 / 0 / 2 \mathrm{~mm} / \mathrm{step}]\)} \\
\hline 003 & Paper Transfer:Low:1side & *ENG & {\([0\) to \(50 / 0 / 2 \mathrm{~mm} / \mathrm{step}]\)} \\
\hline 004 & Paper Transfer:Low:2side & *ENG & {\([0\) to \(50 / 0 / 2 \mathrm{~mm} / \mathrm{step}]\)} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{2}{*}{2463} & [Thin:Bias:BW] \\
\cline { 2 - 4 } & \begin{tabular}{l} 
Sets paper transfer ampere per thickness / mode (FC/BW) / line speed / printing \\
sides.
\end{tabular} \\
\hline 001 & PaperTransfer:Standard:1Sid & *ENG & [0 to 200 / 22 / 1-uA/step] \\
\hline 002 & PaperTransfer:Standard:2Sid & *ENG & [0 to 200 / 22 / 1-uA/step] \\
\hline 003 & Paper Transfer:Low:1side & *ENG & [0 to 200 / 11 / 1-uA/step] \\
\hline 004 & Paper Transfer:Low:2side & *ENG & [0 to 200 / 11 / 1-uA/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2467} & \multicolumn{3}{|l|}{[Thin:Bias:FC]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere per thickness / mode (FC/BW) / line speed / printing sides.} \\
\hline 001 & PaperTransfer:Standard:1Sid & *ENG & [0 to 200 / 29 / 1-uA/step] \\
\hline 002 & PaperTransfer:Standard:2Sid & *ENG & [0 to 200 / 29 / 1-uA/step] \\
\hline 003 & Paper Transfer:Low:1side & *ENG & [0 to 200 / 14 / 1-uA/step] \\
\hline 004 & Paper Transfer:Low:2side & *ENG & [0 to 200 / 14 / 1-uA/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2471} & \multicolumn{3}{|l|}{[Thin:SizeCorrection:BW]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size correction per thickness / mode (FC/BW) / line speed / printing sides.} \\
\hline 001 & PaperTransfer:Standard:1Sid:S1 & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline 002 & PaperTransfer:Standard:2Sid:S1 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 003 & PaperTransfer:Low:1Side:S1 & *ENG & \begin{tabular}{l}
[100 to 995 / \(100 /\) \\
1\%/step]
\end{tabular} \\
\hline 004 & PaperTransfer:Low:2Side:S1 & *ENG & \begin{tabular}{l}
[100 to 995 / 100 \\
1\%/step]
\end{tabular} \\
\hline 005 & PaperTransfer:Standard:1Sid:S2 & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline 006 & PaperTransfer:Standard:2Sid:S2 & *ENG & \begin{tabular}{l}
[100 to 995 / 105 / \\
1\%/step]
\end{tabular} \\
\hline 007 & PaperTransfer:Low:1Side:S2 & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline 008 & PaperTransfer:Low:2Side:S2 & *ENG & \begin{tabular}{l}
[100 to 995 / 105 / \\
1\%/step]
\end{tabular} \\
\hline 009 & PaperTransfer:Standard:1Sid:S3 & *ENG & \begin{tabular}{l}
[100 to 995 / 111 / \\
1\%/step]
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 010 & PaperTransfer:Standard:2Sid:S3 & *ENG & \begin{tabular}{l}
[100 to 995 / 140 \\
1\%/step]
\end{tabular} \\
\hline 011 & PaperTransfer:Low:1Side:S3 & *ENG & \begin{tabular}{l}
[100 to 995 / 111 / \\
1\%/step]
\end{tabular} \\
\hline 012 & PaperTransfer:Low:2Side:S3 & *ENG & \begin{tabular}{l}
[100 to 995 / 140 / \\
1\%/step]
\end{tabular} \\
\hline 013 & PaperTransfer:Standard:1Sid:S4 & *ENG & \begin{tabular}{l}
[100 to 995 / 121 \\
1\%/step]
\end{tabular} \\
\hline 014 & PaperTransfer:Standard:2Sid:S4 & *ENG & \begin{tabular}{l}
[100 to 995 / 175 / \\
1\%/step]
\end{tabular} \\
\hline 015 & PaperTransfer:Low:1Side:S4 & *ENG & \begin{tabular}{l}
[100 to 995 / 121 / \\
1\%/step]
\end{tabular} \\
\hline 016 & PaperTransfer:Low:2Side:S4 & *ENG & \begin{tabular}{l}
[100 to 995 / 175 / \\
1\%/step]
\end{tabular} \\
\hline 017 & PaperTransfer:Standard:1Sid:S5 & *ENG & \begin{tabular}{l}
[100 to 995 / 132 / \\
1\%/step]
\end{tabular} \\
\hline 018 & PaperTransfer:Standard:2Sid:S5 & *ENG & \begin{tabular}{l}
[100 to 995 / 211 / \\
1\%/step]
\end{tabular} \\
\hline 019 & PaperTransfer:Low:1Side:S5 & *ENG & \begin{tabular}{l}
[100 to 995 / 132 / \\
1\%/step]
\end{tabular} \\
\hline 020 & PaperTransfer:Low:2Side:S5 & *ENG & \begin{tabular}{l}
[100 to 995 / 211 / \\
1\%/step]
\end{tabular} \\
\hline & [Thin:SizeCorrection:BW] & & \\
\hline 2471 & Sets paper transfer ampere paper size corr line speed / printing sides. (With using opti & \begin{tabular}{l}
ion per \\
al wide
\end{tabular} & \begin{tabular}{l}
thickness / mode (F \\
unit)
\end{tabular} \\
\hline 021 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S1
\end{tabular} & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline 022 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S1
\end{tabular} & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline 023 & Wide Roller:PaperTransfer:Low:1Side:S1 & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 024 & Wide Roller:PaperTransfer:Low:2Side:S1 & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline 025 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S2
\end{tabular} & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline 026 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S2
\end{tabular} & *ENG & \begin{tabular}{l}
[100 to 995 / 105 / \\
1\%/step]
\end{tabular} \\
\hline 027 & Wide Roller:PaperTransfer:Low:1Side:S2 & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline 028 & Wide Roller:PaperTransfer:Low:2Side:S2 & *ENG & \begin{tabular}{l}
[100 to 995 / 105 / \\
1\%/step]
\end{tabular} \\
\hline 029 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S3
\end{tabular} & *ENG & \begin{tabular}{l}
[100 to 995 / 111 / \\
1\%/step]
\end{tabular} \\
\hline 030 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S3
\end{tabular} & *ENG & \begin{tabular}{l}
[100 to 995 / 140 / \\
1\%/step]
\end{tabular} \\
\hline 031 & Wide Roller:PaperTransfer:Low:1Side:S3 & *ENG & \begin{tabular}{l}
[100 to 995 / 111 / \\
1\%/step]
\end{tabular} \\
\hline 032 & Wide Roller:PaperTransfer:Low:2Side:S3 & *ENG & \begin{tabular}{l}
[100 to 995 / 140 / \\
1\%/step]
\end{tabular} \\
\hline 033 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S4
\end{tabular} & *ENG & \begin{tabular}{l}
[100 to 995 / 121 / \\
1\%/step]
\end{tabular} \\
\hline 034 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S4
\end{tabular} & *ENG & \begin{tabular}{l}
[100 to 995 / 175 / \\
1\%/step]
\end{tabular} \\
\hline 035 & Wide Roller:PaperTransfer:Low:1Side:S4 & *ENG & \begin{tabular}{l}
[100 to 995 / 121 \\
1\%/step]
\end{tabular} \\
\hline 036 & Wide Roller:PaperTransfer:Low:2Side:S4 & *ENG & \begin{tabular}{l}
[100 to 995 / 175 / \\
1\%/step]
\end{tabular} \\
\hline 037 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S5
\end{tabular} & *ENG & \begin{tabular}{l}
[100 to 995 / 132 / \\
1\%/step]
\end{tabular} \\
\hline 038 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S5
\end{tabular} & *ENG & \begin{tabular}{l}
[100 to 995 / 211 / \\
1\%/step]
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|l|l|l|}
\hline 039 & Wide Roller:PaperTransfer:Low:1Side:S5 & *ENG & \begin{tabular}{l}
{\([100\) to 995 / 132 / } \\
\(1 \% /\) step \(]\)
\end{tabular} \\
\hline 040 & Wide Roller:PaperTransfer:Low:2Side:S5
\end{tabular} *ENG \begin{tabular}{l}
{\([100\) to 995 / 211 / } \\
\(1 \% /\) step \(]\)
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2472} & \multicolumn{3}{|l|}{[Thin:SizeCorrection:FC]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size correction per thickness / mode (FC/BW) / line speed / printing sides.} \\
\hline 001 & PaperTransfer:Standard:1Sid:S1 & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline 002 & PaperTransfer:Standard:1Sid:S1 & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline 003 & PaperTransfer:Low:1Side:S1 & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline 004 & PaperTransfer:Low:1Side:S1 & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline 005 & PaperTransfer:Standard:1Sid:S2 & *ENG & \begin{tabular}{l}
[100 to 995 / 106 / \\
1\%/step]
\end{tabular} \\
\hline 006 & PaperTransfer:Standard:1Sid:S2 & *ENG & \begin{tabular}{l}
[100 to 995 / 130 \\
1\%/step]
\end{tabular} \\
\hline 007 & PaperTransfer:Low:1Side:S2 & *ENG & \begin{tabular}{l}
[100 to 995 / 106 / \\
1\%/step]
\end{tabular} \\
\hline 008 & PaperTransfer:Low:1Side:S2 & *ENG & \begin{tabular}{l}
[100 to 995 / 130 / \\
1\%/step]
\end{tabular} \\
\hline 009 & PaperTransfer:Standard:1Sid:S3 & *ENG & \[
\begin{aligned}
& {[100 \text { to } 995 \text { / } 117 \text { / }} \\
& 1 \% / \text { step] }
\end{aligned}
\] \\
\hline 010 & PaperTransfer:Standard:1Sid:S3 & *ENG & \begin{tabular}{l}
[100 to 995 / 153 / \\
1\%/step]
\end{tabular} \\
\hline 011 & PaperTransfer:Low:1Side:S3 & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 117 \text { / } \\
& \text { 1\%/step] }
\end{aligned}
\] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 012 & PaperTransfer:Low:1Side:S3 & *ENG & \begin{tabular}{l}
[100 to 995 / 153 / \\
1\%/step]
\end{tabular} \\
\hline 013 & PaperTransfer:Standard:1Sid:S4 & *ENG & \begin{tabular}{l}
[100 to 995 / 128 / \\
1\%/step]
\end{tabular} \\
\hline 014 & PaperTransfer:Standard:1Sid:S4 & *ENG & \begin{tabular}{l}
[100 to 995 / 177 / \\
1\%/step]
\end{tabular} \\
\hline 015 & PaperTransfer:Low:1Side:S4 & *ENG & \begin{tabular}{l}
[100 to 995 / 128 / \\
1\%/step]
\end{tabular} \\
\hline 016 & PaperTransfer:Low:1Side:S4 & *ENG & \begin{tabular}{l}
[100 to 995 / 177 / \\
1\%/step]
\end{tabular} \\
\hline 017 & PaperTransfer:Standard:1Sid:S5 & *ENG & \begin{tabular}{l}
[100 to 995 / 140 / \\
1\%/step]
\end{tabular} \\
\hline 018 & PaperTransfer:Standard:2Sid:S5 & *ENG & \begin{tabular}{l}
[100 to 995 / 200 / \\
1\%/step]
\end{tabular} \\
\hline 019 & PaperTransfer:Low:1Side:S5 & *ENG & \begin{tabular}{l}
[100 to 995 / 140 / \\
1\%/step]
\end{tabular} \\
\hline 020 & PaperTransfer:Low:2Side:S5 & *ENG & \begin{tabular}{l}
[100 to 995 / 200 / \\
1\%/step]
\end{tabular} \\
\hline \multirow[b]{2}{*}{2472} & \multicolumn{3}{|l|}{[Thin:SizeCorrection:FC]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size correction per thickness / mode (FC/BW) line speed / printing sides. (With using optional wide unit)} \\
\hline 021 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S1
\end{tabular} & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline 022 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S1
\end{tabular} & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline 023 & Wide Roller:PaperTransfer:Low:1Side:S1 & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline 024 & Wide Roller:PaperTransfer:Low:2Side:S1 & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline 025 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S2
\end{tabular} & *ENG & \begin{tabular}{l}
[100 to 995 / 106 / \\
1\%/step]
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 026 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S2
\end{tabular} & *ENG & \begin{tabular}{l}
[100 to 995 / 130 / \\
1\%/step]
\end{tabular} \\
\hline 027 & Wide Roller:PaperTransfer:Low:1Side:S2 & *ENG & \begin{tabular}{l}
[100 to 995 / 106 / \\
1\%/step]
\end{tabular} \\
\hline 028 & Wide Roller:PaperTransfer:Low:2Side:S2 & *ENG & \begin{tabular}{l}
[100 to 995 / 130 / \\
1\%/step]
\end{tabular} \\
\hline 029 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S3
\end{tabular} & *ENG & \begin{tabular}{l}
[100 to 995 / 117 / \\
1\%/step]
\end{tabular} \\
\hline 030 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S3
\end{tabular} & *ENG & \begin{tabular}{l}
[100 to 995 / 153 / \\
1\%/step]
\end{tabular} \\
\hline 031 & Wide Roller:PaperTransfer:Low:1Side:S3 & *ENG & \begin{tabular}{l}
[100 to 995 / 117 / \\
1\%/step]
\end{tabular} \\
\hline 032 & Wide Roller:PaperTransfer:Low:2Side:S3 & *ENG & \begin{tabular}{l}
[100 to 995 / 153 / \\
1\%/step]
\end{tabular} \\
\hline 033 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S4
\end{tabular} & *ENG & \begin{tabular}{l}
[100 to 995 / 128 / \\
1\%/step]
\end{tabular} \\
\hline 034 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S4
\end{tabular} & *ENG & \begin{tabular}{l}
[100 to 995 / 177 / \\
1\%/step]
\end{tabular} \\
\hline 035 & Wide Roller:PaperTransfer:Low:1Side:S4 & *ENG & \begin{tabular}{l}
[100 to 995 / 128 / \\
1\%/step]
\end{tabular} \\
\hline 036 & Wide Roller:PaperTransfer:Low:2Side:S4 & *ENG & \begin{tabular}{l}
[100 to 995 / 177 / \\
1\%/step]
\end{tabular} \\
\hline 037 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S5
\end{tabular} & *ENG & \begin{tabular}{l}
[100 to 995 / 140 / \\
1\%/step]
\end{tabular} \\
\hline 038 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S5
\end{tabular} & *ENG & \begin{tabular}{l}
[100 to 995 / 200 / \\
1\%/step]
\end{tabular} \\
\hline 039 & Wide Roller:PaperTransfer:Low:1Side:S5 & *ENG & \begin{tabular}{l}
[100 to 995 / 140 / \\
1\%/step]
\end{tabular} \\
\hline 040 & Wide Roller:PaperTransfer:Low:2Side:S5 & *ENG & \begin{tabular}{l}
[100 to 995 / 200 / \\
1\%/step]
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2473} & \multicolumn{3}{|l|}{[Thin:Size-Env.Correct:BW]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size correction per thickness / mode (FC/BW) line speed / printing sides.} \\
\hline 001 & PaperTransfer:Standard:1Sid:S1 & *ENG & [1 to \(100 / 10 / 1 /\) step] \\
\hline 002 & PaperTransfer:Standard:1Sid:S1 & *ENG & [ 1 to \(100 / 15 / 1 /\) step] \\
\hline 003 & PaperTransfer:Low:1Side:S1 & *ENG & [ 1 to \(100 / 10 / 1 /\) step] \\
\hline 004 & PaperTransfer:Low:1Side:S1 & *ENG & [ 1 to \(100 / 15 / 1 /\) step] \\
\hline 005 & PaperTransfer:Standard:1Sid:S2 & *ENG & [1 to \(100 / 11 / 1 /\) step] \\
\hline 006 & PaperTransfer:Standard:1Sid:S2 & *ENG & [ 1 to \(100 / 16 / 1 /\) step] \\
\hline 007 & PaperTransfer:Low:1Side:S2 & *ENG & [1 to \(100 / 11 / 1 /\) step] \\
\hline 008 & PaperTransfer:Low:1Side:S2 & *ENG & [ 1 to \(100 / 16 / 1 /\) step] \\
\hline 009 & PaperTransfer:Standard:1Sid:S3 & *ENG & [ 1 to \(100 / 12 / 1 /\) step] \\
\hline 010 & PaperTransfer:Standard:1Sid:S3 & *ENG & [ 1 to \(100 / 30 / 1 /\) step] \\
\hline 011 & PaperTransfer:Low:1Side:S3 & *ENG & [ 1 to \(100 / 12 / 1 /\) step] \\
\hline 012 & PaperTransfer:Low:1Side:S3 & *ENG & [ 1 to \(100 / 30 / 1 /\) step] \\
\hline 013 & PaperTransfer:Standard:1Sid:S4 & *ENG & [ 1 to \(100 / 13 / 1 /\) step] \\
\hline 014 & PaperTransfer:Standard:1Sid:S4 & *ENG & [ 1 to \(100 / 31 / 1 /\) step] \\
\hline 015 & PaperTransfer:Low:1Side:S4 & *ENG & [ 1 to \(100 / 13 / 1 /\) step] \\
\hline 016 & PaperTransfer:Low:1Side:S4 & *ENG & [ 1 to \(100 / 31 / 1 /\) step] \\
\hline 017 & PaperTransfer:Standard:1Sid:S5 & *ENG & [ 1 to \(100 / 14 / 1 /\) step] \\
\hline 018 & PaperTransfer:Standard:2Sid:S5 & *ENG & [ 1 to \(100 / 32 / 1 /\) step] \\
\hline 019 & PaperTransfer:Low:1Side:S5 & *ENG & [1 to \(100 / 14 / 1 /\) step] \\
\hline 020 & PaperTransfer:Low:2Side:S5 & *ENG & [ 1 to \(100 / 32 / 1 /\) step] \\
\hline \multirow[b]{2}{*}{2473} & \multicolumn{3}{|l|}{[Thin:Size-Env.Correct:BW]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size correction per thickness / mode (FC/BW) / line speed / printing sides. (With using optional wide unit)} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 021 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S1
\end{tabular} & *ENG & [1 to \(100 / 10 / 1 /\) step] \\
\hline 022 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S1
\end{tabular} & *ENG & [1 to \(100 / 15\) / 1/step] \\
\hline 023 & Wide Roller:PaperTransfer:Low:1Side:S1 & *ENG & [1 to \(100 / 10 / 1 /\) step] \\
\hline 024 & Wide Roller:PaperTransfer:Low:2Side:S1 & *ENG & [1 to \(100 / 15 / 1 /\) step] \\
\hline 025 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S2
\end{tabular} & *ENG & [1 to 100 / 11 / 1/step] \\
\hline 026 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S2
\end{tabular} & *ENG & [1 to \(100 / 16\) / 1/step] \\
\hline 027 & Wide Roller:PaperTransfer:Low:1Side:S2 & *ENG & [1 to \(100 / 11 / 1 /\) step] \\
\hline 028 & Wide Roller:PaperTransfer:Low:2Side:S2 & *ENG & [1 to \(100 / 16 / 1 /\) step] \\
\hline 029 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S3
\end{tabular} & *ENG & [1 to \(100 / 12 / 1 /\) step] \\
\hline 030 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S3
\end{tabular} & *ENG & [1 to \(100 / 30 / 1 /\) step] \\
\hline 031 & Wide Roller:PaperTransfer:Low:1Side:S3 & *ENG & [1 to \(100 / 12 / 1 /\) step] \\
\hline 032 & Wide Roller:PaperTransfer:Low:2Side:S3 & *ENG & [ 1 to \(100 / 30 / 1 /\) step] \\
\hline 033 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S4
\end{tabular} & *ENG & [1 to \(100 / 13\) / 1/step] \\
\hline 034 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S4
\end{tabular} & *ENG & [1 to \(100 / 31 / 1 /\) step] \\
\hline 035 & Wide Roller:PaperTransfer:Low:1Side:S4 & *ENG & [ 1 to \(100 / 13 / 1 /\) step] \\
\hline 036 & Wide Roller:PaperTransfer:Low:2Side:S4 & *ENG & [1 to \(100 / 31 / 1 /\) step] \\
\hline 037 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S5
\end{tabular} & *ENG & [1 to 100 / 14/1/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|l|l|l|}
\hline 038 & \begin{tabular}{l} 
Wide \\
Roller:PaperTransfer:Standard:2Sid:S5
\end{tabular} & *ENG & [1 to 100/32/1/step] \\
\hline 039 & Wide Roller:PaperTransfer:Low:1Side:S5 & *ENG & [1 to 100 / 14/1/step] \\
\hline 040 & Wide Roller:PaperTransfer:Low:2Side:S5 & *ENG & [1 to 100/32 / 1/step] \\
\hline
\end{tabular}

\subsection*{2.4 MAIN SP TABLES-2-2}

\subsection*{2.4.1 SP2-474 TO 2-990 (DRUM)}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2474} & \multicolumn{3}{|l|}{[Thin:Size-Env.Correct:FC]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size correction per thickness / mode (FC/BW) / line speed / printing sides.} \\
\hline 001 & PaperTransfer:Standard:1Sid:S1 & *ENG & [1 to \(100 / 20 / 1 /\) step] \\
\hline 002 & PaperTransfer:Standard:1 Sid:S1 & *ENG & [1 to 100/25 / 1/step] \\
\hline 003 & PaperTransfer:Low:1Side:S1 & *ENG & [1 to \(100 / 20 / 1 /\) step] \\
\hline 004 & PaperTransfer:Low:1Side:S1 & *ENG & [1 to 100/25/1/step] \\
\hline 005 & PaperTransfer:Standard:1Sid:S2 & *ENG & [1 to \(100 / 21 / 1 /\) step] \\
\hline 006 & PaperTransfer:Standard:1Sid:S2 & *ENG & [ 1 to \(100 / 35 / 1 /\) step] \\
\hline 007 & PaperTransfer:Low:1Side:S2 & *ENG & [1 to \(100 / 21 / 1 /\) step] \\
\hline 008 & PaperTransfer:Low:1Side:S2 & *ENG & [ 1 to \(100 / 35 / 1 /\) step] \\
\hline 009 & PaperTransfer:Standard:1Sid:S3 & *ENG & [1 to \(100 / 33 / 1 /\) step] \\
\hline 010 & PaperTransfer:Standard:1Sid:S3 & *ENG & [ 1 to \(100 / 36 / 1 /\) step] \\
\hline 011 & PaperTransfer:Low:1Side:S3 & *ENG & [ 1 to \(100 / 33 / 1 /\) step] \\
\hline 012 & PaperTransfer:Low:1Side:S3 & *ENG & [ 1 to \(100 / 36 / 1 /\) step] \\
\hline 013 & PaperTransfer:Standard:1Sid:S4 & *ENG & [1 to \(100 / 34 / 1 /\) step] \\
\hline 014 & PaperTransfer:Standard:1Sid:S4 & *ENG & [1 to \(100 / 37 / 1 /\) step] \\
\hline 015 & PaperTransfer:Low:1Side:S4 & *ENG & [1 to \(100 / 34 / 1 /\) step] \\
\hline 016 & PaperTransfer:Low:1Side:S4 & *ENG & [1 to \(100 / 37 / 1 /\) step] \\
\hline 017 & PaperTransfer:Standard:1Sid:S5 & *ENG & [1 to \(100 / 24 / 1 /\) step] \\
\hline 018 & PaperTransfer:Standard:2Sid:S5 & *ENG & [1 to \(100 / 38 / 1 /\) step] \\
\hline 019 & PaperTransfer:Low:1Side:S5 & *ENG & [1 to 100 / 24 / 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 020 & PaperTransfer:Low:2Side:S5 & *ENG & [1 to 100 / 38 / 1/step] \\
\hline & \multicolumn{3}{|l|}{[Thin:Size-Env.Correct:FC]} \\
\hline 2474 & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size correction per thickness / mode (FC/BW) / line speed / printing sides. (With using optional wide unit)} \\
\hline 021 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S1
\end{tabular} & *ENG & [1 to 100 / 20 / 1/step] \\
\hline 022 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S1
\end{tabular} & *ENG & [1 to 100 / 25 / 1/step] \\
\hline 023 & Wide Roller:PaperTransfer:Low:1Side:S1 & *ENG & [1 to 100 / 20 / 1/step] \\
\hline 024 & Wide Roller:PaperTransfer:Low:2Side:S1 & *ENG & [1 to 100 / 25 / 1/step] \\
\hline 025 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S2
\end{tabular} & *ENG & [1 to 100 / 21 / 1/step] \\
\hline 026 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S2
\end{tabular} & *ENG & [1 to 100 / \(35 / 1 /\) step] \\
\hline 027 & Wide Roller:PaperTransfer:Low:1Side:S2 & *ENG & [1 to 100 / 21 / 1/step] \\
\hline 028 & Wide Roller:PaperTransfer:Low:2Side:S2 & *ENG & [1 to 100 / 35 / 1/step] \\
\hline 029 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S3
\end{tabular} & *ENG & [1 to 100 / 33 / 1/step] \\
\hline 030 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S3
\end{tabular} & *ENG & [1 to 100 / \(36 / 1 /\) step] \\
\hline 031 & Wide Roller:PaperTransfer:Low:1Side:S3 & *ENG & [1 to 100 / 33 / 1/step] \\
\hline 032 & Wide Roller:PaperTransfer:Low:2Side:S3 & *ENG & [1 to 100 / 36 / 1/step] \\
\hline 033 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S4
\end{tabular} & *ENG & [1 to 100 / 34 / 1/step] \\
\hline 034 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S4
\end{tabular} & *ENG & [1 to 100 / 37 / 1/step] \\
\hline 035 & Wide Roller:PaperTransfer:Low:1Side:S4 & *ENG & [1 to 100 / 34 / 1/step] \\
\hline 036 & Wide Roller:PaperTransfer:Low:2Side:S4 & *ENG & [1 to 100 / 37 / 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|l|l|l|}
\hline 037 & \begin{tabular}{l} 
Wide \\
Roller:PaperTransfer:Standard:1Sid:S5
\end{tabular} & *ENG & [1 to 100 / 24 / 1/step] \\
\hline 038 & \begin{tabular}{l} 
Wide \\
Roller:PaperTransfer:Standard:2Sid:S5
\end{tabular} & *ENG & {\([1\) to 100 / 38 / 1/step] } \\
\hline 039 & Wide Roller:PaperTransfer:Low:1Side:S5 & *ENG & {\([1\) to 100 / 24 / 1/step] } \\
\hline 040 & Wide Roller:PaperTransfer:Low:2Side:S5 & *ENG & {\([1\) to 100 / 38 / 1/step] } \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2475} & \multicolumn{3}{|l|}{[Thin:LeadingEdgeCorrection]} \\
\hline & \multicolumn{3}{|l|}{Sets output value [\%] for paper transfer ampere leading edge correction per paper thickness / line speed / printing sides.} \\
\hline 001 & PaperTransfer:Standard:1Side & *ENG & [0 to 995 / 100 / 5\%/step] \\
\hline 002 & PaperTransfer:Standard:2Side & *ENG & [0 to 995 / 100 / 5\%/step] \\
\hline 003 & Paper Transfer:Low:1side & *ENG & [0 to 995 / 100 / 5\%/step] \\
\hline 004 & Paper Transfer:Low:2side & *ENG & [0 to 995 / 100 / 5\%/step] \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{2}{*}{2476} & \multicolumn{3}{|l|}{} \\
\cline { 2 - 4 } & [Thin:SwitchTimingLeadEdge] \\
& \begin{tabular}{l} 
Sets switch timing for paper transfer ampere leading edge correction per \\
thickness / line speed / printing sides.
\end{tabular} \\
\hline 001 & PaperTransfer:Standard:1side & *ENG & {\([0\) to \(50 / 0 / 2 \mathrm{~mm} /\) step \(]\)} \\
\hline 002 & PaperTransfer:Standard:2side & *ENG & {\([0\) to \(50 / 0 / 2 \mathrm{~mm} /\) step \(]\)} \\
\hline 003 & Paper Transfer:Low:1side & *ENG & {\([0\) to \(50 / 0 / 2 \mathrm{~mm} /\) step \(]\)} \\
\hline 004 & Paper Transfer:Low:2side & *ENG & {\([0\) to \(50 / 0 / 2 \mathrm{~mm} /\) step \(]\)} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{2}{*}{2477} & \multicolumn{3}{|l|}{ [Thin:TrailEdgeCorrection] } \\
\cline { 2 - 4 } & \begin{tabular}{l} 
Sets output value [\%] for paper transfer ampere trailing edge correction per \\
paper thickness / line speed / printing sides.
\end{tabular} \\
\hline 001 & PaperTransfer:Standard:1Side & *ENG & [0 to 995 / 100 / 5\%/step \(]\) \\
\hline 002 & PaperTransfer:Standard:2Side & *ENG & {\([0\) to 995 / 100 / 5\%/step \(]\)} \\
\hline
\end{tabular}
\begin{tabular}{|c|l|l|l|}
\hline 003 & Paper Transfer:Low:1side & *ENG & {\([0\) to \(995 / 100 / 5 \% /\) step \(]\)} \\
\hline 004 & Paper Transfer:Low:2side & \(* E N G\) & {\([0\) to \(995 / 100 / 5 \% /\) step \(]\)} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2478} & \multicolumn{3}{|l|}{[Thin:SwitchTimingTrailEdge]} \\
\hline & \multicolumn{3}{|l|}{Sets switch timing for paper transfer ampere trailing edge correction per thickness / line speed / printing sides.} \\
\hline 001 & PaperTransfer:Standard:1side & *ENG & [0 to \(50 / 0 / 2 \mathrm{~mm} / \mathrm{step}\) ] \\
\hline 002 & PaperTransfer:Standard:2side & *ENG & [0 to \(50 / 0 / 2 \mathrm{~mm} / \mathrm{step}\) ] \\
\hline 003 & Paper Transfer:Low:1side & *ENG & [0 to 50/0/2mm/step] \\
\hline 004 & Paper Transfer:Low:2side & *ENG & [0 to \(50 / 0 / 2 \mathrm{~mm} / \mathrm{step}\) ] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2483} & \multicolumn{3}{|l|}{[Thick1:Bias:BW]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere per thickness / mode (FC/BW) / line speed / printing sides.} \\
\hline 001 & PaperTransfer:middle:1side & *ENG & [0 to 200 / 16 / 1-uA/step] \\
\hline 002 & PaperTransfer:middle:2side & *ENG & [0 to 200 / 13 / 1-uA/step] \\
\hline 003 & PaperTransfer:low:1side & *ENG & [0 to 200 / 11 / 1-uA/step] \\
\hline 004 & PaperTransfer:low:2side & *ENG & [0 to 200 / 9 / 1-uA/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2487} & \multicolumn{3}{|l|}{[Thick1:Bias:FC]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere per thickness / mode (FC/BW) / line speed / printing sides.} \\
\hline 001 & PaperTransfer:middle:1side & *ENG & [0 to 200 / 23 / 1-uA/step] \\
\hline 002 & PaperTransfer:middle:2side & *ENG & [0 to 200 / 26 / 1-uA/step] \\
\hline 003 & PaperTransfer:low:1side & *ENG & [0 to 200 / 16/1-uA/step] \\
\hline 004 & PaperTransfer:low:2side & *ENG & [0 to 200 / 18 / 1-uA/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2491} & \multicolumn{3}{|l|}{[Thick1:SizeCorrection:BW]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size correction per thickness / mode (FC/BW) / line speed / printing sides.} \\
\hline 001 & PaperTransfer:middle:1Sid:S1 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 002 & PaperTransfer:middle:1Sid:S1 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 003 & PaperTransfer:Low:1Side:S1 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 004 & PaperTransfer:Low:1Side:S1 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 005 & PaperTransfer:middle:1Sid:S2 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 006 & PaperTransfer:middle:1Sid:S2 & *ENG & [100 to 995 / 177 / 1\%/step] \\
\hline 007 & PaperTransfer:Low:1Side:S2 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 008 & PaperTransfer:Low:1Side:S2 & *ENG & [100 to 995 / 177 / 1\%/step] \\
\hline 009 & PaperTransfer:middle:1Sid:S3 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 010 & PaperTransfer:middle:1Sid:S3 & *ENG & [100 to 995 / 231 / 1\%/step] \\
\hline 011 & PaperTransfer:Low:1Side:S3 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 012 & PaperTransfer:Low:1Side:S3 & *ENG & [100 to 995 / 231 / 1\%/step] \\
\hline 013 & PaperTransfer:middle:1Sid:S4 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 014 & PaperTransfer:middle:1Sid:S4 & *ENG & [100 to 995 / 270 / 1\%/step] \\
\hline 015 & PaperTransfer:Low:1Side:S4 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 016 & PaperTransfer:Low:1Side:S4 & *ENG & [100 to 995 / 270 / 1\%/step] \\
\hline 017 & PaperTransfer:middle:1Sid:S5 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 018 & PaperTransfer:middle:2Sid:S5 & *ENG & [100 to 995 / 308 / 1\%/step] \\
\hline 019 & PaperTransfer:Low:1Side:S5 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 020 & PaperTransfer:Low:2Side:S5 & *ENG & [100 to 995 / 308 / 1\%/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2491} & \multicolumn{3}{|l|}{[Thick1:SizeCorrection:BW]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size correction per thickness / mode (FC/BW) / line speed / printing sides. (With using optional wide unit)} \\
\hline 021 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:middle:1Sid:S1
\end{tabular} & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 022 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:middle:2Sid:S1
\end{tabular} & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 023 & Wide Roller:PaperTransfer:Low:1Side:S1 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 024 & Wide Roller:PaperTransfer:Low:2Side:S1 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 025 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:middle:1Sid:S2
\end{tabular} & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 026 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:middle:2Sid:S2
\end{tabular} & *ENG & [100 to 995 / 177 / 1\%/step] \\
\hline 027 & Wide Roller:PaperTransfer:Low:1Side:S2 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 028 & Wide Roller:PaperTransfer:Low:2Side:S2 & *ENG & [100 to 995 / 177 / 1\%/step] \\
\hline 029 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:middle:1Sid:S3
\end{tabular} & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 030 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:middle:2Sid:S3
\end{tabular} & *ENG & [100 to 995 / 231 / 1\%/step] \\
\hline 031 & Wide Roller:PaperTransfer:Low:1Side:S3 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 032 & Wide Roller:PaperTransfer:Low:2Side:S3 & *ENG & [100 to 995 / 231 / 1\%/step] \\
\hline 033 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:middle:1Sid:S4
\end{tabular} & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 034 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:middle:2Sid:S4
\end{tabular} & *ENG & [100 to 995 / 270 / 1\%/step] \\
\hline 035 & Wide Roller:PaperTransfer:Low:1Side:S4 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 036 & Wide Roller:PaperTransfer:Low:2Side:S4 & *ENG & [100 to 995 / 270 / 1\%/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|l|l|l|}
\hline 037 & \begin{tabular}{l} 
Wide \\
Roller:PaperTransfer:middle:1Sid:S5
\end{tabular} & *ENG & {\([100\) to \(995 / 100 / 1 \% /\) step \(]\)} \\
\hline 038 & \begin{tabular}{l} 
Wide \\
Roller:PaperTransfer:middle:2Sid:S5
\end{tabular} & *ENG & {\([100\) to 995 / 308 / 1\%/step \(]\)} \\
\hline 039 & Wide Roller:PaperTransfer:Low:1Side:S5 & *ENG & {\([100\) to \(995 / 100 / 1 \% /\) step \(]\)} \\
\hline 040 & Wide Roller:PaperTransfer:Low:2Side:S5 & *ENG & {\([100\) to \(995 / \mathbf{3 0 8} / 1 \% /\) step \(]\)} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2492} & \multicolumn{3}{|l|}{[Thick1:SizeCorrection:FC]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size correction per thickness / mode (FC/BW) line speed / printing sides.} \\
\hline 001 & PaperTransfer:middle:1Sid:S1 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 002 & PaperTransfer:middle:1Sid:S1 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 003 & PaperTransfer:Low:1Side:S1 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 004 & PaperTransfer:Low:1Side:S1 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 005 & PaperTransfer:middle:1Sid:S2 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 006 & PaperTransfer:middle:1Sid:S2 & *ENG & [100 to 995 / 173 / 1\%/step] \\
\hline 007 & PaperTransfer:Low:1Side:S2 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 008 & PaperTransfer:Low:1Side:S2 & *ENG & [100 to 995 / 173 / 1\%/step] \\
\hline 009 & PaperTransfer:middle:1Sid:S3 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 010 & PaperTransfer:middle:1Sid:S3 & *ENG & [100 to 995 / 250 / 1\%/step] \\
\hline 011 & PaperTransfer:Low:1Side:S3 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 012 & PaperTransfer:Low:1Side:S3 & *ENG & [100 to 995 / 250 / 1\%/step] \\
\hline 013 & PaperTransfer:middle:1Sid:S4 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 014 & PaperTransfer:middle:1Sid:S4 & *ENG & [100 to 995 / 308 / 1\%/step] \\
\hline 015 & PaperTransfer:Low:1Side:S4 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 016 & PaperTransfer:Low:1Side:S4 & *ENG & [100 to 995 / 308 / 1\%/step] \\
\hline 017 & PaperTransfer:middle:1Sid:S5 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|l|l|l|}
\hline 018 & PaperTransfer:middle:2Sid:S5 & *ENG & {\([100\) to \(995 / \mathbf{3 8 5} / 1 \% /\) step \(]\)} \\
\hline 019 & PaperTransfer:Low:1Side:S5 & *ENG & {\([100\) to \(995 / \mathbf{1 0 0} / 1 \% /\) step \(]\)} \\
\hline 020 & PaperTransfer:Low:2Side:S5 & *ENG & {\([100\) to \(995 / \mathbf{3 8 5} / 1 \% /\) step \(]\)} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2492} & \multicolumn{3}{|l|}{[Thick1:SizeCorrection:FC]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size correction per thickness / mode (FC/BW) / line speed / printing sides. (With using optional wide unit)} \\
\hline 021 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:middle:1Sid:S1
\end{tabular} & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 022 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:middle:2Sid:S1
\end{tabular} & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 023 & Wide Roller:PaperTransfer:Low:1Side:S1 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 024 & Wide Roller:PaperTransfer:Low:2Side:S1 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 025 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:middle:1Sid:S2
\end{tabular} & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 026 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:middle:2Sid:S2
\end{tabular} & *ENG & [100 to 995 / 173 / 1\%/step] \\
\hline 027 & Wide Roller:PaperTransfer:Low:1Side:S2 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 028 & Wide Roller:PaperTransfer:Low:2Side:S2 & *ENG & [100 to 995 / 173 / 1\%/step] \\
\hline 029 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:middle:1Sid:S3
\end{tabular} & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 030 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:middle:2Sid:S3
\end{tabular} & *ENG & [100 to 995 / 250 / 1\%/step] \\
\hline 031 & Wide Roller:PaperTransfer:Low:1Side:S3 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 032 & Wide Roller:PaperTransfer:Low:2Side:S3 & *ENG & [100 to 995 / 250 / 1\%/step] \\
\hline 033 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:middle:1Sid:S4
\end{tabular} & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 034 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:middle:2Sid:S4
\end{tabular} & *ENG & [100 to 995 / 308 / 1\%/step] \\
\hline 035 & Wide Roller:PaperTransfer:Low:1Side:S4 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 036 & Wide Roller:PaperTransfer:Low:2Side:S4 & *ENG & [100 to 995 / 308 / 1\%/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|l|l|l|}
\hline 037 & \begin{tabular}{l} 
Wide \\
Roller:PaperTransfer:middle:1Sid:S5
\end{tabular} & *ENG & {\([100\) to \(995 / 100 / 1 \% /\) step \(]\)} \\
\hline 038 & \begin{tabular}{l} 
Wide \\
Roller:PaperTransfer:middle:2Sid:S5
\end{tabular} & *ENG & {\([100\) to \(995 / \mathbf{3 8 5} / 1 \% /\) step \(]\)} \\
\hline 039 & Wide Roller:PaperTransfer:Low:1Side:S5 & *ENG & {\([100\) to \(995 / 100 / 1 \% /\) step \(]\)} \\
\hline 040 & Wide Roller:PaperTransfer:Low:2Side:S5 & *ENG & {\([100\) to 995 / 385 / 1\%/step \(]\)} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2493} & \multicolumn{3}{|l|}{[Thick1:Size-Env.Correct:BW]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size correction per thickness / mode (FC/BW) / line speed / printing sides.} \\
\hline 001 & PaperTransfer:middle:1Sid:S1 & *ENG & [1 to \(100 / 54 / 1 /\) step] \\
\hline 002 & PaperTransfer:middle:1Sid:S1 & *ENG & [1 to \(100 / 57 / 1 /\) step] \\
\hline 003 & PaperTransfer:Low:1Side:S1 & *ENG & [1 to \(100 / 54 / 1 /\) step] \\
\hline 004 & PaperTransfer:Low:1Side:S1 & *ENG & [1 to \(100 / 57 / 1 /\) step] \\
\hline 005 & PaperTransfer:middle:1Sid:S2 & *ENG & [ 1 to \(100 / 55 / 1 /\) step] \\
\hline 006 & PaperTransfer:middle:1Sid:S2 & *ENG & [1 to \(100 / 58 / 1 /\) step] \\
\hline 007 & PaperTransfer:Low:1Side:S2 & *ENG & [1 to \(100 / 55 / 1 /\) step] \\
\hline 008 & PaperTransfer:Low:1Side:S2 & *ENG & [1 to \(100 / 58 / 1 /\) step] \\
\hline 009 & PaperTransfer:middle:1Sid:S3 & *ENG & [1 to \(100 / 56 / 1 /\) step] \\
\hline 010 & PaperTransfer:middle:1Sid:S3 & *ENG & [1 to \(100 / 59 / 1 /\) step] \\
\hline 011 & PaperTransfer:Low:1Side:S3 & *ENG & [1 to \(100 / 56 / 1 /\) step] \\
\hline 012 & PaperTransfer:Low:1Side:S3 & *ENG & [1 to \(100 / 59 / 1 /\) step] \\
\hline 013 & PaperTransfer:middle:1Sid:S4 & *ENG & [1 to \(100 / 56 / 1 /\) step] \\
\hline 014 & PaperTransfer:middle:1Sid:S4 & *ENG & [ 1 to \(100 / 60 / 1 /\) step] \\
\hline 015 & PaperTransfer:Low:1Side:S4 & *ENG & [1 to \(100 / 56 / 1 /\) step] \\
\hline 016 & PaperTransfer:Low:1Side:S4 & *ENG & [1 to \(100 / 60 / 1 /\) step] \\
\hline 017 & PaperTransfer:middle:1Sid:S5 & *ENG & [1 to \(100 / 56\) / 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 018 & PaperTransfer:middle:2Sid:S5 & *ENG & [1 to \(100 / 61 / 1 /\) step] \\
\hline 019 & PaperTransfer:Low:1Side:S5 & *ENG & [1 to \(100 / 56 / 1 /\) step] \\
\hline 020 & PaperTransfer:Low:2Side:S5 & *ENG & [1 to \(100 / 61 / 1 /\) step] \\
\hline \multirow[b]{2}{*}{2493} & \multicolumn{3}{|l|}{[Thick1:Size-Env.Correct:BW]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size correction per thickness / mode (FC/BW) / line speed / printing sides.(With using optional wide unit)} \\
\hline 021 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:middle:1Sid:S1
\end{tabular} & *ENG & [1 to 100 / \(54 / 1 /\) step] \\
\hline 022 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:middle:2Sid:S1
\end{tabular} & *ENG & [1 to 100 / 57 / 1/step] \\
\hline 023 & Wide Roller:PaperTransfer:Low:1Side:S1 & *ENG & [1 to \(100 / 54 / 1 /\) step] \\
\hline 024 & Wide Roller:PaperTransfer:Low:2Side:S1 & *ENG & [1 to \(100 / 57 / 1 /\) step] \\
\hline 025 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:middle:1Sid:S2
\end{tabular} & *ENG & [1 to 100 / 55 / 1/step] \\
\hline 026 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:middle:2Sid:S2
\end{tabular} & *ENG & [1 to 100 / 58/1/step] \\
\hline 027 & Wide Roller:PaperTransfer:Low:1Side:S2 & *ENG & [1 to \(100 / 55 / 1 /\) step] \\
\hline 028 & Wide Roller:PaperTransfer:Low:2Side:S2 & *ENG & [ 1 to \(100 / 58 / 1 /\) step] \\
\hline 029 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:middle:1Sid:S3
\end{tabular} & *ENG & [1 to 100 / 56 / 1/step] \\
\hline 030 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:middle:2Sid:S3
\end{tabular} & *ENG & [1 to 100 / 59 / 1/step] \\
\hline 031 & Wide Roller:PaperTransfer:Low:1Side:S3 & *ENG & [1 to 100 / 56 / 1/step] \\
\hline 032 & Wide Roller:PaperTransfer:Low:2Side:S3 & *ENG & [1 to \(100 / 59 / 1 /\) step] \\
\hline 033 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:middle:1Sid:S4
\end{tabular} & *ENG & [1 to 100 / 56 / 1/step] \\
\hline 034 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:middle:2Sid:S4
\end{tabular} & *ENG & [1 to \(100 / 60 / 1 /\) step] \\
\hline 035 & Wide Roller:PaperTransfer:Low:1Side:S4 & *ENG & [1 to \(100 / 56 / 1 /\) step] \\
\hline
\end{tabular}
\begin{tabular}{|c|l|l|l|}
\hline 036 & Wide Roller:PaperTransfer:Low:2Side:S4 & *ENG & {\([1\) to \(100 / 60 / 1 /\) step \(]\)} \\
\hline 037 & \begin{tabular}{l} 
Wide \\
Roller:PaperTransfer:middle:1Sid:S5
\end{tabular} & *ENG & {\([1\) to \(100 / 56 / 1 /\) step \(]\)} \\
\hline 038 & \begin{tabular}{l} 
Wide \\
Roller:PaperTransfer:middle:2Sid:S5
\end{tabular} & *ENG & {\([1\) to \(100 / 61 / 1 /\) step \(]\)} \\
\hline 039 & Wide Roller:PaperTransfer:Low:1Side:S5 & *ENG & {\([1\) to \(100 / 56 / 1 /\) step \(]\)} \\
\hline 040 & Wide Roller:PaperTransfer:Low:2Side:S5 & *ENG & {\([1\) to \(100 / 61 / 1 /\) step \(]\)} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2494} & \multicolumn{3}{|l|}{[Thick1:Size-Env.Correct:FC]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size correction per thickness / mode (FC/BW) / line speed / printing sides.} \\
\hline 001 & PaperTransfer:middle:1Sid:S1 & *ENG & [1 to 100 / 13 / 1/step] \\
\hline 002 & PaperTransfer:middle:1Sid:S1 & *ENG & [1 to \(100 / 65 / 1 /\) step] \\
\hline 003 & PaperTransfer:Low:1Side:S1 & *ENG & [1 to \(100 / 13 / 1 /\) step] \\
\hline 004 & PaperTransfer:Low:1Side:S1 & *ENG & [1 to 100 / 65 / 1/step] \\
\hline 005 & PaperTransfer:middle:1Sid:S2 & *ENG & [1 to 100 / 63 / 1/step] \\
\hline 006 & PaperTransfer:middle:1Sid:S2 & *ENG & [1 to 100 / 66 / 1/step] \\
\hline 007 & PaperTransfer:Low:1Side:S2 & *ENG & [1 to \(100 / 63\) / 1/step] \\
\hline 008 & PaperTransfer:Low:1Side:S2 & *ENG & [1 to 100 / 66 / 1/step] \\
\hline 009 & PaperTransfer:middle:1Sid:S3 & *ENG & [1 to \(100 / 63 / 1 /\) step] \\
\hline 010 & PaperTransfer:middle:1Sid:S3 & *ENG & [1 to 100 / 67 / 1/step] \\
\hline 011 & PaperTransfer:Low:1Side:S3 & *ENG & [1 to 100 / 63 / 1/step] \\
\hline 012 & PaperTransfer:Low:1Side:S3 & *ENG & [1 to 100 / 67 / 1/step] \\
\hline 013 & PaperTransfer:middle:1Sid:S4 & *ENG & [1 to 100 / 64 / 1/step] \\
\hline 014 & PaperTransfer:middle:1Sid:S4 & *ENG & [1 to 100 / 68 / 1/step] \\
\hline 015 & PaperTransfer:Low:1Side:S4 & *ENG & [1 to 100 / 64 / 1/step] \\
\hline 016 & PaperTransfer:Low:1Side:S4 & *ENG & [1 to 100 / 68 / 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 017 & PaperTransfer:middle:1Sid:S5 & *ENG & [1 to \(100 / 64\) / 1/step] \\
\hline 018 & PaperTransfer:middle:2Sid:S5 & *ENG & [1 to \(100 / 69 / 1 /\) step] \\
\hline 019 & PaperTransfer:Low:1Side:S5 & *ENG & [1 to \(100 / 64 / 1 /\) step] \\
\hline 020 & PaperTransfer:Low:2Side:S5 & *ENG & [1 to \(100 / 69 / 1 /\) step] \\
\hline \multirow[b]{2}{*}{2494} & \multicolumn{3}{|l|}{[Thick1:Size-Env.Correct:FC]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size correction per thickness / mode (FC/BW) / line speed / printing sides.(With using optional wide unit)} \\
\hline 021 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:middle:1Sid:S1
\end{tabular} & *ENG & [1 to \(100 / 13\) / 1/step] \\
\hline 022 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:middle:2Sid:S1
\end{tabular} & *ENG & [1 to \(100 / 65\) / 1/step] \\
\hline 023 & Wide Roller:PaperTransfer:Low:1Side:S1 & *ENG & [1 to \(100 / 13 / 1 /\) step] \\
\hline 024 & Wide Roller:PaperTransfer:Low:2Side:S1 & *ENG & [1 to \(100 / 65 / 1 /\) step] \\
\hline 025 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:middle:1Sid:S2
\end{tabular} & *ENG & [1 to \(100 / 63 / 1 /\) step] \\
\hline 026 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:middle:2Sid:S2
\end{tabular} & *ENG & [1 to 100 / 66 / 1/step] \\
\hline 027 & Wide Roller:PaperTransfer:Low:1Side:S2 & *ENG & [1 to \(100 / 63 / 1 /\) step] \\
\hline 028 & Wide Roller:PaperTransfer:Low:2Side:S2 & *ENG & [ 1 to \(100 / 66 / 1 /\) step] \\
\hline 029 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:middle:1Sid:S3
\end{tabular} & *ENG & [1 to \(100 / 63\) / 1/step] \\
\hline 030 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:middle:2Sid:S3
\end{tabular} & *ENG & [1 to \(100 / 67\) / 1/step] \\
\hline 031 & Wide Roller:PaperTransfer:Low:1Side:S3 & *ENG & [1 to \(100 / 63 / 1 /\) step] \\
\hline 032 & Wide Roller:PaperTransfer:Low:2Side:S3 & *ENG & [1 to \(100 / 67 / 1 /\) step] \\
\hline 033 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:middle:1Sid:S4
\end{tabular} & *ENG & [1 to 100 / 64 / 1/step] \\
\hline 034 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:middle:2Sid:S4
\end{tabular} & *ENG & [1 to \(100 / 68\) / 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|l|l|l|}
\hline 035 & Wide Roller:PaperTransfer:Low:1Side:S4 & *ENG & {\([1\) to \(100 / 64 / 1 /\) step \(]\)} \\
\hline 036 & Wide Roller:PaperTransfer:Low:2Side:S4 & *ENG & {\([1\) to \(100 / 68 / 1 /\) step \(]\)} \\
\hline 037 & \begin{tabular}{l} 
Wide \\
Roller:PaperTransfer:middle:1Sid:S5
\end{tabular} & \(* E N G\) & {\([1\) to \(100 / 64 / 1 /\) step \(]\)} \\
\hline 038 & \begin{tabular}{l} 
Wide \\
Roller:PaperTransfer:middle:2Sid:S5
\end{tabular} & *ENG & {\([1\) to \(100 / 69 / 1 /\) step \(]\)} \\
\hline 039 & Wide Roller:PaperTransfer:Low:1Side:S5 & *ENG & {\([1\) to \(100 / 64 / 1 /\) step \(]\)} \\
\hline 040 & Wide Roller:PaperTransfer:Low:2Side:S5 & *ENG & {\([1\) to \(100 / 69 / 1 /\) step \(]\)} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{2}{*}{2495} & \multicolumn{3}{|l|}{ [Thick1:LeadingEdgeCorrection] } \\
\cline { 2 - 5 } & \begin{tabular}{l} 
Sets output value [\%] for paper transfer ampere leading edge correction per \\
thickness / line speed / printing sides.
\end{tabular} \\
\hline 001 & PaperTransfer:middle:1Side & *ENG & {\([0\) to \(995 / 100 / 5 \% /\) step] } \\
\hline 002 & PaperTransfer:middle:2Side & *ENG & {\([0\) to \(995 / 100 / 5 \% /\) step] } \\
\hline 003 & Paper Transfer:Low:1side & *ENG & {\([0\) to \(995 / 100 / 5 \% /\) step \(]\)} \\
\hline 004 & Paper Transfer:Low:2side & *ENG & {\([0\) to \(995 / 100 / 5 \% /\) step] } \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2496} & \multicolumn{3}{|l|}{[Thick1:SwitchTimingLeadEdge]} \\
\hline & \multicolumn{3}{|l|}{Sets switch timing for paper transfer ampere leading edge per thickness / line speed / printing speed.} \\
\hline 001 & PaperTransfer:middle:1side & *ENG & [0 to \(50 / 0 / 2 \mathrm{~mm} / \mathrm{step}\) ] \\
\hline 002 & PaperTransfer:middle:2side & *ENG & [0 to \(50 / 0 / 2 \mathrm{~mm} / \mathrm{step}\) ] \\
\hline 003 & Paper Transfer:Low:1side & *ENG & [0 to \(50 / 0 / 2 \mathrm{~mm} / \mathrm{step}\) ] \\
\hline 004 & Paper Transfer:Low:2side & *ENG & [0 to \(50 / 0 / 2 \mathrm{~mm} / \mathrm{step}\) ] \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{2}{*}{2497} & \multicolumn{3}{|l|}{ [Thick1:TrailEdgeCorrection] } \\
\cline { 2 - 4 } & \begin{tabular}{l} 
Sets output value [\%] for paper transfer ampere trailing edge correction per \\
thickness / line speed / printing sides.
\end{tabular} \\
\hline 001 & PaperTransfer:middle:1Side & *ENG & [0 to \(995 / \mathbf{1 0 0} / 5 \% /\) step] \\
\hline 002 & PaperTransfer:middle:2Side & *ENG & {\([0\) to \(995 / 100 / 5 \% /\) step] } \\
\hline 003 & Paper Transfer:Low:1side & *ENG & {\([0\) to \(995 / 100 / 5 \% /\) step] } \\
\hline 004 & Paper Transfer:Low:2side & *ENG & [0 to \(995 / \mathbf{1 0 0} / 5 \% /\) step] \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{2}{*}{2498} & \multicolumn{3}{|l|}{ [Thick1:SwitchTimingTrailEdge] } \\
\cline { 2 - 4 } & \multicolumn{1}{l|}{\begin{tabular}{l} 
Sets switch timing for paper transfer ampere trailing edge correction per \\
thickness / line speed / printing sides.
\end{tabular}} \\
\hline 001 & PaperTransfer:middle:1Side & *ENG & [0 to \(50 / 0 / 2 \mathrm{~mm} /\) step] \\
\hline 002 & PaperTransfer:middle:2Side & *ENG & [0 to \(50 / 0 / 2 \mathrm{~mm} / \mathrm{step}]\) \\
\hline 003 & Paper Transfer:Low:1side & *ENG & {\([0\) to \(50 / 0 / 2 \mathrm{~mm} /\) step] } \\
\hline 004 & Paper Transfer:Low:2side & *ENG & [0 to \(50 / 0 / 2 \mathrm{~mm} /\) step] \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{2}{*}{2503} & \multicolumn{3}{|l|}{ [Thick2:Bias:BW] } \\
\cline { 2 - 4 } & \multicolumn{3}{|l|}{ Sets paper transfer ampere per thickness / mode (FC/BW) / printing sides. } \\
\hline 003 & PaperTransfer:1side & *ENG & [0 to 200 / 11 / 1-uA/step] \\
\hline 004 & PaperTransfer:2side & *ENG & [0 to 200 / 15 / 1-uA/step] \\
\hline
\end{tabular}
\begin{tabular}{|r|l|c|l|}
\hline \multirow{2}{*}{2507} & \multicolumn{3}{|l|}{ [Thick2:Bias:FC] } \\
\cline { 2 - 4 } & Sets paper transfer ampere per thickness / mode (FC/BW) / printing sides. \\
\hline 003 & PaperTransfer:1side & *ENG & [0 to 200 / 19 / 1-uA/step] \\
\hline 004 & PaperTransfer:2side & *ENG & [0 to 200 / 21 / 1-uA/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2511} & \multicolumn{3}{|l|}{[Thick2:SizeCorrection:BW]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size environment correction per thickness / mode (FC/BW) / printing sides.} \\
\hline 003 & PaperTransfer:1Side:S1 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 004 & PaperTransfer:2Side:S1 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 007 & PaperTransfer:1Side:S2 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 008 & PaperTransfer:2Side:S2 & *ENG & [100 to 995 / 133 / 1\%/step] \\
\hline 011 & PaperTransfer:1Side:S3 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 012 & PaperTransfer:2Side:S3 & *ENG & [100 to 995 / 167 / 1\%/step] \\
\hline 015 & PaperTransfer:1Side:S4 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 016 & PaperTransfer:2Side:S4 & *ENG & [100 to 995 / 233 / 1\%/step] \\
\hline 019 & PaperTransfer:1Side:S5 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 020 & PaperTransfer:2Side:S5 & *ENG & [100 to 995 / 267 / 1\%/step] \\
\hline \multirow[b]{2}{*}{2511} & \multicolumn{3}{|l|}{[Thick2:SizeCorrection:BW]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size environment correction per thickness / mode (FC/BW) / printing sides. (When using optional wide unit.)} \\
\hline 023 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S1
\end{tabular} & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 024 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S1
\end{tabular} & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 027 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S2
\end{tabular} & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 028 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S2
\end{tabular} & *ENG & [100 to 995 / 133 / 1\%/step] \\
\hline 031 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S3
\end{tabular} & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 032 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S3
\end{tabular} & *ENG & [100 to 995 / 167 / 1\%/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|l|l|l|}
\hline 035 & \begin{tabular}{l} 
Wide \\
Roller:PaperTransfer:1Side:S4
\end{tabular} & *ENG & {\([100\) to \(995 / 100 / 1 \% /\) step \(]\)} \\
\hline 036 & \begin{tabular}{l} 
Wide \\
Roller:PaperTransfer:2Side:S4
\end{tabular} & *ENG & {\([100\) to 995 / 233 / 1\%/step \(]\)} \\
\hline 039 & \begin{tabular}{l} 
Wide \\
Roller:PaperTransfer:1Side:S5
\end{tabular} & *ENG & {\([100\) to \(995 / 100 / 1 \% /\) step \(]\)} \\
\hline 040 & \begin{tabular}{l} 
Wide \\
Roller:PaperTransfer:2Side:S5
\end{tabular} & *ENG & {\([100\) to 995 / 267 / 1\%/step \(]\)} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2512} & \multicolumn{3}{|l|}{[Thick2:SizeCorrection:FC]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size environment correction per thickness / mode (FC/BW) / printing sides.} \\
\hline 003 & PaperTransfer:1Side:S1 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 004 & PaperTransfer:2Side:S1 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 007 & PaperTransfer:1Side:S2 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 008 & PaperTransfer:2Side:S2 & *ENG & [100 to 995 / 181 / 1\%/step] \\
\hline 011 & PaperTransfer:1Side:S3 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 012 & PaperTransfer:2Side:S3 & *ENG & [100 to 995 / 229 / 1\%/step] \\
\hline 015 & PaperTransfer:1Side:S4 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 016 & PaperTransfer:2Side:S4 & *ENG & [100 to 995 / 286 / 1\%/step] \\
\hline 019 & PaperTransfer:1Side:S5 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 020 & PaperTransfer:2Side:S5 & *ENG & [100 to 995 / 381 / 1\%/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2512} & \multicolumn{3}{|l|}{[Thick2:SizeCorrection:FC]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size environment correction per thickness / mode (FC/BW) / printing sides. (When using optional wide unit.)} \\
\hline 023 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S1
\end{tabular} & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 024 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S1
\end{tabular} & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 027 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S2
\end{tabular} & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 028 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S2
\end{tabular} & *ENG & [100 to 995 / 181 / 1\%/step] \\
\hline 031 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S3
\end{tabular} & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 032 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S3
\end{tabular} & *ENG & [100 to 995 / 229 / 1\%/step] \\
\hline 035 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S4
\end{tabular} & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 036 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S4
\end{tabular} & *ENG & [100 to 995 / 286 / 1\%/step] \\
\hline 039 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S5
\end{tabular} & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 040 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S5
\end{tabular} & *ENG & [100 to 995 / 381 / 1\%/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2513} & \multicolumn{3}{|l|}{[Thick2:Size-Env.Correct:BW]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size environment correction per thickness / mode (FC/BW) / printing sides.} \\
\hline 003 & PaperTransfer:1Side:S1 & *ENG & [1 to \(100 / 70 / 1 /\) step] \\
\hline 004 & PaperTransfer:2Side:S1 & *ENG & [1 to \(100 / 72 / 1 /\) step] \\
\hline 007 & PaperTransfer:1Side:S2 & *ENG & [1 to \(100 / 71 / 1 /\) step] \\
\hline 008 & PaperTransfer:2Side:S2 & *ENG & [1 to \(100 / 73 / 1 /\) step] \\
\hline 011 & PaperTransfer:1Side:S3 & *ENG & [1 to \(100 / 71 / 1 /\) step] \\
\hline 012 & PaperTransfer:2Side:S3 & *ENG & [1 to 100 / 74/ 1/step] \\
\hline 015 & PaperTransfer:1Side:S4 & *ENG & [1 to \(100 / 71 / 1 /\) step] \\
\hline 016 & PaperTransfer:2Side:S4 & *ENG & [1 to 100 / 75 / 1/step] \\
\hline 019 & PaperTransfer:1Side:S5 & *ENG & [1 to 100 / 71 / 1/step] \\
\hline 020 & PaperTransfer:2Side:S5 & *ENG & [1 to \(100 / 76 / 1 /\) step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2513} & \multicolumn{3}{|l|}{[Thick2:Size-Env.Correct:BW]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size environment correction per thickness / mode (FC/BW) / printing sides. (When using optional wide unit.)} \\
\hline 023 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S1
\end{tabular} & *ENG & [1 to 100 / 70 / 1/step] \\
\hline 024 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S1
\end{tabular} & *ENG & [1 to \(100 / 72 / 1 /\) step] \\
\hline 027 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S2
\end{tabular} & *ENG & [1 to \(100 / 71\) / 1/step] \\
\hline 028 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S2
\end{tabular} & *ENG & [1 to \(100 / 73 / 1 /\) step] \\
\hline 031 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S3
\end{tabular} & *ENG & [1 to \(100 / 71 / 1 /\) step] \\
\hline 032 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S3
\end{tabular} & *ENG & [1 to \(100 / 74\) / 1/step] \\
\hline 035 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S4
\end{tabular} & *ENG & [1 to \(100 / 71 / 1 /\) step] \\
\hline 036 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S4
\end{tabular} & *ENG & [1 to \(100 / 75 / 1 /\) step] \\
\hline 039 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S5
\end{tabular} & *ENG & [1 to \(100 / 71 / 1 /\) step] \\
\hline 040 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S5
\end{tabular} & *ENG & [1 to 100 / 76 / 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2514} & \multicolumn{3}{|l|}{[Thick2:Size-Env.Correct:FC]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size environment correction per thickness / mode (FC/BW) / printing sides.} \\
\hline 003 & PaperTransfer:1Side:S1 & *ENG & [1 to \(100 / 77 / 1 /\) step] \\
\hline 004 & PaperTransfer:2Side:S1 & *ENG & [1 to \(100 / 80 / 1 /\) step] \\
\hline 007 & PaperTransfer:1Side:S2 & *ENG & [1 to \(100 / 78 / 1 /\) step] \\
\hline 008 & PaperTransfer:2Side:S2 & *ENG & [1 to \(100 / 81 / 1 /\) step] \\
\hline 011 & PaperTransfer:1Side:S3 & *ENG & [1 to \(100 / 79 / 1 /\) step] \\
\hline 012 & PaperTransfer:2Side:S3 & *ENG & [1 to \(100 / 82 / 1 /\) step] \\
\hline 015 & PaperTransfer:1Side:S4 & *ENG & [1 to \(100 / 79 / 1 /\) step] \\
\hline 016 & PaperTransfer:2Side:S4 & *ENG & [1 to \(100 / 83 / 1 /\) step] \\
\hline 019 & PaperTransfer:1Side:S5 & *ENG & [ 1 to \(100 / 79 / 1 /\) step] \\
\hline 020 & PaperTransfer:2Side:S5 & *ENG & [1 to \(100 / 84 / 1 /\) step] \\
\hline \multirow[b]{2}{*}{2514} & \multicolumn{3}{|l|}{[Thick2:Size-Env.Correct:FC]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size environment correction per thickness / mode (FC/BW) / printing sides. (When using optional wide unit.)} \\
\hline 023 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S1
\end{tabular} & *ENG & [1 to 100 / 74 / 1/step] \\
\hline 024 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S1
\end{tabular} & *ENG & [1 to 100 / 80 / 1/step] \\
\hline 027 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S2
\end{tabular} & *ENG & [1 to 100 / 78 / 1/step] \\
\hline 028 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S2
\end{tabular} & *ENG & [1 to 100 / 81/ 1/step] \\
\hline 031 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S3
\end{tabular} & *ENG & [1 to 100 / 79 / 1/step] \\
\hline 032 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S3
\end{tabular} & *ENG & [1 to \(100 / 82 / 1 /\) step] \\
\hline
\end{tabular}
\begin{tabular}{|c|l|l|l|}
\hline 035 & \begin{tabular}{l} 
Wide \\
Roller:PaperTransfer:1Side:S4
\end{tabular} & *ENG & {\([1\) to \(100 / 79 / 1 /\) step \(]\)} \\
\hline 036 & \begin{tabular}{l} 
Wide \\
Roller:PaperTransfer:2Side:S4
\end{tabular} & *ENG & {\([1\) to \(100 / 83 / 1 /\) step \(]\)} \\
\hline 039 & \begin{tabular}{l} 
Wide \\
Roller:PaperTransfer:1Side:S5
\end{tabular} & *ENG & {\([1\) to \(100 / 79 / 1 /\) step \(]\)} \\
\hline 040 & \begin{tabular}{l} 
Wide \\
Roller:PaperTransfer:2Side:S5
\end{tabular} & *ENG & {\([1\) to \(100 / 84 / 1 /\) step \(]\)} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{2}{*}{2515} & \multicolumn{3}{|l|}{ [Thick2:LeadingEdgeCorrection] } \\
\cline { 2 - 4 } & \multicolumn{1}{l|}{\begin{tabular}{l} 
Sets output value [\%] for paper transfer ampere leading edge correction per \\
thickness / printing sides.
\end{tabular}} \\
\hline 003 & Paper Transfer:1side & *ENG & {\([0\) to \(995 / 100 / 5 \% /\) step] } \\
\hline 004 & Paper Transfer:2side & *ENG & {\([0\) to \(995 / 100 / 5 \% /\) step \(]\)} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{2}{*}{2516} & \multicolumn{3}{|l|}{\(\left[\begin{array}{l}\text { [Thick2:SwitchTimingLeadEdge }] \\
\right.\)\cline { 2 - 4 } \\
\end{array} \(\begin{array}{l}\text { Sets switch timing for paper transfer ampere leading edge correction per } \\
\text { thickness / printing sides. }\end{array}\)} \\
\hline 003 & Paper Transfer:1side & *ENG & {\([0\) to \(50 / 0 / 2 \mathrm{~mm} / \mathrm{step}]\)} \\
\hline 004 & Paper Transfer:2side & *ENG & {\([0\) to \(50 / 0 / 2 \mathrm{~mm} / \mathrm{step}]\)} \\
\hline
\end{tabular}
\begin{tabular}{|c|l|l|l|}
\hline \multirow{2}{*}{2517} & \multicolumn{2}{|l|}{ [Thick2:TrailEdgeCorrection] } \\
\cline { 2 - 4 } & \begin{tabular}{l} 
Sets output value [\%] for paper transfer ampere trailing edge correction per \\
thickness / printing sides.
\end{tabular} \\
\hline 003 & Paper Transfer:1side & *ENG & {\([0\) to \(995 / 100 / 5 \% /\) step] } \\
\hline 004 & Paper Transfer:2side & *ENG & {\([0\) to \(995 / 100 / 5 \% /\) step] } \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{2}{*}{2518} & \multicolumn{3}{|l|}{ [Thick2:SwitchTimingTrailEdge] } \\
\cline { 2 - 4 } & \begin{tabular}{l} 
Sets switch timing for paper transfer ampere trailing edge correction per \\
thickness / printing sides.
\end{tabular} \\
\hline 003 & Paper Transfer:1side & *ENG & {\([0\) to \(50 / 0 / 2 \mathrm{~mm} /\) step \(]\)} \\
\hline 004 & Paper Transfer:2side & *ENG & {\([0\) to \(50 / 0 / 2 \mathrm{~mm} / \mathrm{step}]\)} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|c|l|}
\hline \multirow{2}{*}{2523} & \multicolumn{3}{|l|}{ [Thick3:Bias:BW] } \\
\cline { 2 - 4 } & \multicolumn{3}{|l|}{ Sets paper transfer ampere per thickness / mode (FC/BW) / printing sides. } \\
\hline 003 & PaperTransfer:1side & *ENG & [0 to 200 / 11 / 1-uA/step] \\
\hline 004 & PaperTransfer:2side & *ENG & [0 to 200 / 15 / 1-uA/step] \\
\hline
\end{tabular}
\begin{tabular}{|r|l|c|l|}
\hline \multirow{2}{*}{2527} & \multicolumn{3}{|l|}{ [Thick3:Bias:FC] } \\
\cline { 2 - 4 } & Sets paper transfer ampere per thickness / mode (FC/BW) / printing sides. \\
\hline 003 & PaperTransfer:1side & *ENG & [0 to 200 / 19 / 1-uA/step] \\
\hline 004 & PaperTransfer:2side & *ENG & [0 to 200 / 21 / 1-uA/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|l|c|l|}
\hline \multirow{2}{*}{2531} & \multicolumn{3}{|l|}{} \\
\cline { 2 - 4 } & [Thick3:SizeCorrection:BW] \\
\cline { 2 - 4 } & \begin{tabular}{l} 
Sets paper transfer ampere paper size environment correction per thickness / \\
mode (FC/BW) / printing sides.
\end{tabular} \\
\hline 003 & PaperTransfer:1Side:S1 & *ENG & {\([100\) to \(995 / 100 / 1 \% /\) step \(]\)} \\
\hline 004 & PaperTransfer:2Side:S1 & *ENG & {\([100\) to \(995 / 100 / 1 \% /\) step \(]\)} \\
\hline 007 & PaperTransfer:1Side:S2 & *ENG & {\([100\) to \(995 / 100 / 1 \% /\) step \(]\)} \\
\hline 008 & PaperTransfer:2Side:S2 & *ENG & {\([100\) to \(995 / 133 / 1 \% /\) step \(]\)} \\
\hline 011 & PaperTransfer:1Side:S3 & *ENG & {\([100\) to \(995 / 100 / 1 \% /\) step \(]\)} \\
\hline 012 & PaperTransfer:2Side:S3 & *ENG & {\([100\) to \(995 / 167 / 1 \% /\) step \(]\)} \\
\hline 015 & PaperTransfer:1Side:S4 & *ENG & {\([100\) to \(995 / 100 / 1 \% /\) step \(]\)} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 016 & PaperTransfer:2Side:S4 & *ENG & [100 to 995 / 233 / 1\%/step] \\
\hline 019 & PaperTransfer:1Side:S5 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 020 & PaperTransfer:2Side:S5 & *ENG & [100 to 995 / 267 / 1\%/step] \\
\hline & \multicolumn{3}{|l|}{[Thick3:SizeCorrection:BW]} \\
\hline 2531 & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size environment correction per thickness / mode (FC/BW) / printing sides. (When using optional wide unit.)} \\
\hline 023 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S1
\end{tabular} & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 024 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S1
\end{tabular} & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 027 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S2
\end{tabular} & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 028 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S2
\end{tabular} & *ENG & [100 to 995 / 133 / 1\%/step] \\
\hline 031 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S3
\end{tabular} & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 032 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S3
\end{tabular} & *ENG & [100 to 995 / 167 / 1\%/step] \\
\hline 035 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S4
\end{tabular} & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 036 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S4
\end{tabular} & *ENG & [100 to 995 / 233 / 1\%/step] \\
\hline 039 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S5
\end{tabular} & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 040 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S5
\end{tabular} & *ENG & [100 to 995 / 267 / 1\%/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2532} & \multicolumn{3}{|l|}{[Thick3:SizeCorrection:FC]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size environment correction per thickness / mode (FC/BW) / printing sides.} \\
\hline 003 & PaperTransfer:1Side:S1 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 004 & PaperTransfer:2Side:S1 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 007 & PaperTransfer:1Side:S2 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 008 & PaperTransfer:2Side:S2 & *ENG & [100 to 995 / 181 / 1\%/step] \\
\hline 011 & PaperTransfer:1Side:S3 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 012 & PaperTransfer:2Side:S3 & *ENG & [100 to 995 / 229 / 1\%/step] \\
\hline 015 & PaperTransfer:1Side:S4 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 016 & PaperTransfer:2Side:S4 & *ENG & [100 to 995 / 286 / 1\%/step] \\
\hline 019 & PaperTransfer:1Side:S5 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 020 & PaperTransfer:2Side:S5 & *ENG & [100 to 995 / 381 / 1\%/step] \\
\hline \multirow[b]{2}{*}{2532} & \multicolumn{3}{|l|}{[Thick3:SizeCorrection:FC]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size environment correction per thickness / mode (FC/BW) / printing sides. (When using optional wide unit.)} \\
\hline 023 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S1
\end{tabular} & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 024 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S1
\end{tabular} & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 027 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S2
\end{tabular} & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 028 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S2
\end{tabular} & *ENG & [100 to 995 / 181 / 1\%/step] \\
\hline 031 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S3
\end{tabular} & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 032 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S3
\end{tabular} & *ENG & [100 to 995 / 229 / 1\%/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|l|l|l|}
\hline 035 & \begin{tabular}{l} 
Wide \\
Roller:PaperTransfer:1Side:S4
\end{tabular} & *ENG & {\([100\) to \(995 / 100 / 1 \% /\) step \(]\)} \\
\hline 036 & \begin{tabular}{l} 
Wide \\
Roller:PaperTransfer:2Side:S4
\end{tabular} & *ENG & {\([100\) to 995 / 286 / 1\%/step \(]\)} \\
\hline 039 & \begin{tabular}{l} 
Wide \\
Roller:PaperTransfer:1Side:S5
\end{tabular} & *ENG & {\([100\) to 995 / 100 / 1\%/step \(]\)} \\
\hline 040 & \begin{tabular}{l} 
Wide \\
Roller:PaperTransfer:2Side:S5
\end{tabular} & *ENG & {\([100\) to 995 / 381 / 1\%/step \(]\)} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2533} & \multicolumn{3}{|l|}{[Thick3:Size-Env.Correct:BW]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size environment correction per thickness / mode (FC/BW) / printing sides.} \\
\hline 003 & PaperTransfer:1Side:S1 & *ENG & [1 to \(100 / 85 / 1 /\) step] \\
\hline 004 & PaperTransfer:2Side:S1 & *ENG & [1 to \(100 / 87 / 1 /\) step] \\
\hline 007 & PaperTransfer:1Side:S2 & *ENG & [1 to 100 / 86 / 1/step] \\
\hline 008 & PaperTransfer:2Side:S2 & *ENG & [1 to \(100 / 88\) / 1/step] \\
\hline 011 & PaperTransfer:1Side:S3 & *ENG & [1 to \(100 / 86 / 1 /\) step] \\
\hline 012 & PaperTransfer:2Side:S3 & *ENG & [1 to \(100 / 89 / 1 /\) step] \\
\hline 015 & PaperTransfer:1Side:S4 & *ENG & [1 to \(100 / 86 / 1 /\) step] \\
\hline 016 & PaperTransfer:2Side:S4 & *ENG & [1 to \(100 / 90\) / \(1 /\) step] \\
\hline 019 & PaperTransfer:1Side:S5 & *ENG & [1 to 100 / 86 / 1/step] \\
\hline 020 & PaperTransfer:2Side:S5 & *ENG & [1 to \(100 / 91 / 1 /\) step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2533} & \multicolumn{3}{|l|}{[Thick3:Size-Env.Correct:BW]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size environment correction per thickness / mode (FC/BW) / printing sides. (When using optional wide unit.)} \\
\hline 023 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S1
\end{tabular} & *ENG & [1 to 100 / 85 / 1/step] \\
\hline 024 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S1
\end{tabular} & *ENG & [1 to 100 / 87 / 1/step] \\
\hline 027 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S2
\end{tabular} & *ENG & [1 to 100 / 86 / 1/step] \\
\hline 028 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S2
\end{tabular} & *ENG & [1 to 100 / 88 / 1/step] \\
\hline 031 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S3
\end{tabular} & *ENG & [1 to 100 / 86 / 1/step] \\
\hline 032 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S3
\end{tabular} & *ENG & [1 to 100 / 89 / 1/step] \\
\hline 035 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S4
\end{tabular} & *ENG & [1 to 100 / 86 / 1/step] \\
\hline 036 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S4
\end{tabular} & *ENG & [1 to 100 / 90 / 1/step] \\
\hline 039 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S5
\end{tabular} & *ENG & [1 to 100 / 86 / 1/step] \\
\hline 040 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S5
\end{tabular} & *ENG & [1 to 100 / 91 / 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2534} & \multicolumn{3}{|l|}{[Thick3:Size-Env.Correct:FC]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size environment correction per thickness / mode (FC/BW) / printing sides.} \\
\hline 003 & PaperTransfer:1Side:S1 & *ENG & [1 to \(100 / 77\) / 1/step] \\
\hline 004 & PaperTransfer:2Side:S1 & *ENG & [1 to \(100 / 92 / 1 /\) step] \\
\hline 007 & PaperTransfer:1Side:S2 & *ENG & [1 to \(100 / 78 / 1 /\) step] \\
\hline 008 & PaperTransfer:2Side:S2 & *ENG & [1 to \(100 / 93 / 1 /\) step] \\
\hline 011 & PaperTransfer:1Side:S3 & *ENG & [1 to \(100 / 79 / 1 /\) step] \\
\hline 012 & PaperTransfer:2Side:S3 & *ENG & [1 to 100 / 94 / 1/step] \\
\hline 015 & PaperTransfer:1Side:S4 & *ENG & [1 to \(100 / 79 / 1 /\) step] \\
\hline 016 & PaperTransfer:2Side:S4 & *ENG & [1 to \(100 / 95\) / 1/step] \\
\hline 019 & PaperTransfer:1Side:S5 & *ENG & [1 to \(100 / 79\) / 1/step] \\
\hline 020 & PaperTransfer:2Side:S5 & *ENG & [1 to \(100 / 96 / 1 /\) step] \\
\hline \multirow[b]{2}{*}{2534} & \multicolumn{3}{|l|}{[Thick3:Size-Env.Correct:FC]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size environment correction per thickness / mode (FC/BW) / printing sides. (When using optional wide unit.)} \\
\hline 023 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S1
\end{tabular} & *ENG & [1 to 100 / 77 / 1/step] \\
\hline 024 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S1
\end{tabular} & *ENG & [1 to 100 / 92 / 1/step] \\
\hline 027 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S2
\end{tabular} & *ENG & [1 to 100 / 78 / 1/step] \\
\hline 028 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S2
\end{tabular} & *ENG & [1 to 100 / 93 / 1/step] \\
\hline 031 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S3
\end{tabular} & *ENG & [1 to 100 / 79 / 1/step] \\
\hline 032 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S3
\end{tabular} & *ENG & [1 to 100 / 94 / 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|l|l|l|}
\hline 035 & \begin{tabular}{l} 
Wide \\
Roller:PaperTransfer:1Side:S4
\end{tabular} & *ENG & {\([1\) to \(100 / 79 / 1 /\) step \(]\)} \\
\hline 036 & \begin{tabular}{l} 
Wide \\
Roller:PaperTransfer:2Side:S4
\end{tabular} & *ENG & {\([1\) to \(100 / 95\) / 1/step \(]\)} \\
\hline 039 & \begin{tabular}{l} 
Wide \\
Roller:PaperTransfer:1Side:S5
\end{tabular} & *ENG & {\([1\) to 100 / 79 / 1/step \(]\)} \\
\hline 040 & \begin{tabular}{l} 
Wide \\
Roller:PaperTransfer:2Side:S5
\end{tabular} & *ENG & {\([1\) to 100 / 96 / 1/step \(]\)} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{2}{*}{2535} & \multicolumn{3}{|l|}{\(\left[\begin{array}{l}\text { [Thick3:LeadingEdgeCorrection }] \\
\right.\)\cline { 2 - 4 } \\
\end{array} \(\begin{array}{l}\text { Sets output value [\%] for paper transfer ampere leading edge correction per } \\
\text { thickness / printing sides. }\end{array}\)} \\
\hline 003 & Paper Transfer:1side & *ENG & {\([0\) to \(995 / \mathbf{1 0 0} / 5 \% /\) step \(]\)} \\
\hline 004 & Paper Transfer:2side & *ENG & {\([0\) to \(995 / \mathbf{1 0 0} / 5 \% /\) step \(]\)} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{2}{*}{2536} & \multicolumn{3}{|l|}{ [Thick3:SwitchTimingLeadEdge] } \\
\cline { 2 - 4 } & \begin{tabular}{l} 
Sets switch timing for paper transfer ampere leading edge correction per \\
thickness / printing sides.
\end{tabular} \\
\hline 003 & Paper Transfer:1side & *ENG & {\([0\) to \(50 / 0 / 2 \mathrm{~mm} / \mathrm{step}]\)} \\
\hline 004 & Paper Transfer:2side & *ENG & {\([0\) to \(50 / 0 / 2 \mathrm{~mm} / \mathrm{step}]\)} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{2}{*}{2537} & \multicolumn{3}{|l|}{} \\
\cline { 2 - 4 } & \multicolumn{3}{|l|}{\begin{tabular}{l} 
[Thick3:TrailEdgeCorrection] \\
\\
\hline
\end{tabular} \begin{tabular}{l} 
Sets output value [\%] for paper transfer ampere trailing edge correction per \\
thickness / printing sides.
\end{tabular}} \\
\hline 003 & Paper Transfer:1side & *ENG & {\([0\) to \(995 / \mathbf{1 0 0} / 5 \% /\) step \(]\)} \\
\hline 004 & Paper Transfer:2side & *ENG & {\([0\) to \(995 / \mathbf{1 0 0} / 5 \% /\) step \(]\)} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{2}{*}{2538} & \multicolumn{3}{|l|}{} \\
\cline { 2 - 4 } & \multicolumn{3}{|l|}{\begin{tabular}{l} 
[Thick3:SwitchTimingTrailEdge] \\
\\
Sets switch timing for paper transfer ampere trailing edge correction per \\
thickness / printing sides.
\end{tabular}} \\
\hline 003 & Paper Transfer:1side & *ENG & {\([0\) to \(50 / 0 / 2 \mathrm{~mm} / \mathrm{step}]\)} \\
\hline 004 & Paper Transfer:2side & *ENG & {\([0\) to \(50 / 0 / 2 \mathrm{~mm} / \mathrm{step}]\)} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{2}{*}{2543} & \multicolumn{2}{|l|}{ [OHP:Bias:BW] } \\
\cline { 2 - 4 } & \multicolumn{2}{|l|}{ Sets paper transfer ampere per mode (FC/BW) of OHP. } \\
\hline 003 & PaperTransfer & *ENG & [0 to 200 / 11 / 1-uA/step] \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{2}{*}{2547} & \multicolumn{2}{|l|}{ [OHP:Bias:FC] } \\
\cline { 2 - 4 } & Sets paper transfer ampere per mode (FC/BW) of OHP. \\
\hline 003 & PaperTransfer & *ENG & [0 to 200 / 19 / 1-uA/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2551} & \multicolumn{3}{|l|}{[OHP:SizeCorrection:BW]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size environment correction per mode (FC/BW) of OHP.} \\
\hline 003 & PaperTransfer:S1 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 007 & PaperTransfer:S2 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 011 & PaperTransfer:S3 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 015 & PaperTransfer:S4 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 019 & PaperTransfer:S5 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline \multirow[b]{2}{*}{2551} & \multicolumn{3}{|l|}{[OHP:SizeCorrection:BW]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size environment correction per mode (FC/BW) of OHP. (When using optional wide unit.)} \\
\hline 023 & Wide Roller:PaperTransfer:S1 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 027 & Wide Roller:PaperTransfer:S2 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 031 & Wide Roller:PaperTransfer:S3 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 035 & Wide Roller:PaperTransfer:S4 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 039 & Wide Roller:PaperTransfer:S5 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2552} & \multicolumn{3}{|l|}{[OHP:SizeCorrection:FC]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size environment correction per mode (FC/BW) of OHP.} \\
\hline 003 & PaperTransfer:S1 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 007 & PaperTransfer:S2 & *ENG & [100 to 995 / 181 / 1\%/step] \\
\hline 011 & PaperTransfer:S3 & *ENG & [100 to 995 / 229 / 1\%/step] \\
\hline 015 & PaperTransfer:S4 & *ENG & [100 to 995 / 286 / 1\%/step] \\
\hline 019 & PaperTransfer:S5 & *ENG & [100 to 995 / 381 / 1\%/step] \\
\hline \multirow[b]{2}{*}{2552} & \multicolumn{3}{|l|}{[OHP:SizeCorrection:FC]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size environment correction per mode (FC/BW) of OHP. (When using optional wide unit.)} \\
\hline 023 & Wide Roller:PaperTransfer:S1 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 027 & Wide Roller:PaperTransfer:S2 & *ENG & [100 to 995 / 181 / 1\%/step] \\
\hline 031 & Wide Roller:PaperTransfer:S3 & *ENG & [100 to 995 / 229 / 1\%/step] \\
\hline 035 & Wide Roller:PaperTransfer:S4 & *ENG & [100 to 995 / 286 / 1\%/step] \\
\hline 039 & Wide Roller:PaperTransfer:S5 & *ENG & [100 to 995 / 381 / 1\%/step] \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{2}{*}{2553} & \multicolumn{3}{|l|}{} \\
\cline { 2 - 4 } & \multicolumn{2}{|l|}{\begin{tabular}{l} 
[OHP:Size-Env.Correct:BW \\
\\
(FC/BW) of OHP. \\
(Faper transfer ampere paper size environment correction per mode
\end{tabular}} \\
\hline 003 & PaperTransfer:S1 & *ENG & {\([1\) to \(100 / 70 / 1 /\) step \(]\)} \\
\hline 007 & PaperTransfer:S2 & *ENG & {\([1\) to \(100 / 71 / 1 /\) step \(]\)} \\
\hline 011 & PaperTransfer:S3 & *ENG & {\([1\) to \(100 / 72 / 1 /\) step \(]\)} \\
\hline 015 & PaperTransfer:S4 & *ENG & {\([1\) to \(100 / 72 / 1 /\) step \(]\)} \\
\hline 019 & PaperTransfer:S5 & *ENG & {\([1\) to \(100 / 72 / 1 /\) step \(]\)} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{2}{*}{2553} & \multicolumn{3}{|l|}{ [OHP:Size-Env.Correct:BW] } \\
\cline { 2 - 4 } & \begin{tabular}{l} 
Sets paper transfer ampere paper size environment correction per mode \\
(FC/BW) of OHP. (When using optional wide unit.)
\end{tabular} \\
\hline 023 & Wide Roller:PaperTransfer:S1 & *ENG & {\([1\) to \(100 / 70 / 1 /\) step \(]\)} \\
\hline 027 & Wide Roller:PaperTransfer:S2 & *ENG & {\([1\) to \(100 / 71 / 1 /\) step \(]\)} \\
\hline 031 & Wide Roller:PaperTransfer:S3 & *ENG & {\([1\) to \(100 / 72 / 1 /\) step \(]\)} \\
\hline 035 & Wide Roller:PaperTransfer:S4 & *ENG & {\([1\) to \(100 / 72 / 1 /\) step \(]\)} \\
\hline 039 & Wide Roller:PaperTransfer:S5 & *ENG & {\([1\) to \(100 / 72 / 1 /\) step \(]\)} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2554} & \multicolumn{3}{|l|}{[OHP:Size-Env.Correct:FC]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size environment correction per mode (FC/BW) of OHP.} \\
\hline 003 & PaperTransfer:S1 & *ENG & [1 to \(100 / 77\) / 1/step] \\
\hline 007 & PaperTransfer:S2 & *ENG & [1 to 100 / 78 / 1/step] \\
\hline 011 & PaperTransfer:S3 & *ENG & [1 to \(100 / 79 / 1 /\) step] \\
\hline 015 & PaperTransfer:S4 & *ENG & [1 to 100 / 79 / 1/step] \\
\hline 019 & PaperTransfer:S5 & *ENG & [1 to \(100 / 79\) / 1/step] \\
\hline \multirow[b]{2}{*}{2554} & \multicolumn{3}{|l|}{[OHP:Size-Env.Correct:FC]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size environment correction per mode (FC/BW) of OHP. (When using optional wide unit.)} \\
\hline 023 & Wide Roller:PaperTransfer:S1 & *ENG & [1 to \(100 / 77\) / 1/step] \\
\hline 027 & Wide Roller:PaperTransfer:S2 & *ENG & [1 to \(100 / 78 / 1 /\) step] \\
\hline 031 & Wide Roller:PaperTransfer:S3 & *ENG & [1 to \(100 / 79 / 1 /\) step] \\
\hline 035 & Wide Roller:PaperTransfer:S4 & *ENG & [1 to \(100 / 79 / 1 /\) step] \\
\hline 039 & Wide Roller:PaperTransfer:S5 & *ENG & [1 to \(100 / 79 / 1 /\) step] \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{2}{*}{2555} & \multicolumn{3}{|l|}{ [OHP:LeadingEdgeCorrection] } \\
\cline { 2 - 4 } & \begin{tabular}{l} 
Sets output value [\%] for paper transfer ampere leading edge correction of \\
OHP.
\end{tabular} \\
\hline 003 & Paper Transfer & *ENG & {\([0\) to \(995 / \mathbf{1 0 0} / 5 \% /\) step \(]\)} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|}
\hline \multirow{2}{*}{2556} & \multicolumn{3}{|l|}{ [OHP:SwitchTimingLeadEdge] } \\
\cline { 2 - 4 } & \multicolumn{3}{|l|}{ Sets switch timing for paper transfer ampere leading edge correction of OHP. } \\
\hline 003 & Paper Transfer & *ENG \\
[0 to \(50 / 0 / 2 \mathrm{~mm} / \mathrm{step}]\) \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{2}{*}{2557} & \multicolumn{3}{|l|}{ [OHP:TrailEdgeCorrection] } \\
\cline { 2 - 4 } & \multicolumn{3}{|l|}{ Sets output value [\%] for paper transfer ampere trailing edge correction of OHP. } \\
\hline 003 & Paper Transfer & *ENG & [0 to \(995 / \mathbf{1 0 0} / 5 \% /\) step] \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{2}{*}{2558} & \multicolumn{3}{|l|}{ [OHP:SwitchTimingTrailEdge] } \\
\cline { 2 - 4 } & \multicolumn{3}{|l|}{ Sets switch timing for paper transfer ampere trailing edge correction of OHP. } \\
\hline 003 & Paper Transfer & *ENG & {\([0\) to \(50 / 0 / 2 \mathrm{~mm} / \mathrm{step}]\)} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2563} & \multicolumn{3}{|l|}{[Special1:Bias:BW]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere per mode (FC/BW) / printing sides of special paper 1.} \\
\hline 001 & PaperTransfer:standard:1side & *ENG & [0 to \(200 / 22 / 1-u A / s t e p]\) \\
\hline 002 & PaperTransfer:standard:2side & *ENG & [0 to \(200 / 22 / 1-u A / s t e p]\) \\
\hline 003 & PaperTransfer:low:1side & *ENG & [0 to 200 / 11 / 1-uA/step] \\
\hline 004 & PaperTransfer:low:2side & *ENG & [0 to 200 / 11 / 1-uA/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline & \multicolumn{3}{|l|}{[Special1:Bias:FC]} \\
\hline 2567 & \multicolumn{3}{|l|}{Sets paper transfer ampere per mode (FC/BW) / printing sides of special paper 1.} \\
\hline 001 & PaperTransfer:standard:1side & *ENG & [0 to 200 / 29 / 1-uA/step] \\
\hline 002 & PaperTransfer:standard:2side & *ENG & \begin{tabular}{l}
[0 to (D146: 200, D147: 200, \\
D148: 250, D149: 250, D150: 250) \\
/ D146: 29, D147: 29, D148: 36, \\
D149: 50, D150: 50 / 1-uA/step]
\end{tabular} \\
\hline 003 & PaperTransfer:low:1side & *ENG & [0 to 200 / 14 / 1-uA/step] \\
\hline 004 & PaperTransfer:low:2side & *ENG & [0 to 200 / 14/1-uA/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2571} & \multicolumn{3}{|l|}{[Special1:SizeCorrection:BW]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size correction per mode (FC/BW) / printing sides of special paper 1.} \\
\hline 001 & PaperTransfer:Standard:1Sid:S1 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 002 & PaperTransfer:Standard:2Sid:S1 & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline 003 & PaperTransfer:Low:1Side:S1 & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline 004 & PaperTransfer:Low:2Side:S1 & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline 005 & PaperTransfer:Standard:1Sid:S2 & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline 006 & PaperTransfer:Standard:2Sid:S2 & *ENG & \begin{tabular}{l}
[100 to 995 / 105 / \\
1\%/step]
\end{tabular} \\
\hline 007 & PaperTransfer:Low:1Side:S2 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 008 & PaperTransfer:Low:2Side:S2 & *ENG & [100 to 995 / 105 / 1\%/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 009 & PaperTransfer:Standard:1Sid:S3 & *ENG & \begin{tabular}{l}
[100 to 995 / 105 / \\
1\%/step]
\end{tabular} \\
\hline 010 & PaperTransfer:Standard:2Sid:S3 & *ENG & \begin{tabular}{l}
[100 to 995 / 118 / \\
1\%/step]
\end{tabular} \\
\hline 011 & PaperTransfer:Low:1Side:S3 & *ENG & \begin{tabular}{l}
[100 to 995 / 105 / \\
1\%/step]
\end{tabular} \\
\hline 012 & PaperTransfer:Low:2Side:S3 & *ENG & \begin{tabular}{l}
[100 to 995 / 118 / \\
1\%/step]
\end{tabular} \\
\hline 013 & PaperTransfer:Standard:1Sid:S4 & *ENG & \begin{tabular}{l}
[100 to 995 / 118 / \\
1\%/step]
\end{tabular} \\
\hline 014 & PaperTransfer:Standard:2Sid:S4 & *ENG & \begin{tabular}{l}
[100 to 995 / 131 / \\
1\%/step]
\end{tabular} \\
\hline 015 & PaperTransfer:Low:1Side:S4 & *ENG & \begin{tabular}{l}
[100 to 995 / 118 / \\
1\%/step]
\end{tabular} \\
\hline 016 & PaperTransfer:Low:2Side:S4 & *ENG & \begin{tabular}{l}
[100 to 995 / 131 / \\
1\%/step]
\end{tabular} \\
\hline 017 & PaperTransfer:Standard:1Sid:S5 & *ENG & \begin{tabular}{l}
[100 to 995 / 132 / \\
1\%/step]
\end{tabular} \\
\hline 018 & PaperTransfer:Standard:2Sid:S5 & *ENG & \begin{tabular}{l}
[100 to 995 / 184 / \\
1\%/step]
\end{tabular} \\
\hline 019 & PaperTransfer:Low:1Side:S5 & *ENG & \begin{tabular}{l}
[100 to 995 / 132 / \\
1\%/step]
\end{tabular} \\
\hline 020 & PaperTransfer:Low:2Side:S5 & *ENG & \begin{tabular}{l}
[100 to 995 / 184 / \\
1\%/step]
\end{tabular} \\
\hline \multirow[b]{2}{*}{2571} & \multicolumn{3}{|l|}{[Special1:SizeCorrection:BW]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size correction per mode (FC/BW) / printing sides of special paper 1. (When using optional wide unit.)} \\
\hline 021 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S1
\end{tabular} & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline 022 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S1
\end{tabular} & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 023 & Wide Roller:PaperTransfer:Low:1Side:S1 & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 100 \text { / } \\
& \text { 1\%/step] }
\end{aligned}
\] \\
\hline 024 & Wide Roller:PaperTransfer:Low:2Side:S1 & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 100 \text { / } \\
& \text { 1\%/step] }
\end{aligned}
\] \\
\hline 025 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S2
\end{tabular} & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 100 \text { / } \\
& \text { 1\%/step] }
\end{aligned}
\] \\
\hline 026 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S2
\end{tabular} & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 105 \text { / } \\
& \text { 1\%/step] }
\end{aligned}
\] \\
\hline 027 & Wide Roller:PaperTransfer:Low:1Side:S2 & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 100 / \\
& 1 \% / \text { step] }
\end{aligned}
\] \\
\hline 028 & Wide Roller:PaperTransfer:Low:2Side:S2 & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 105 \text { / } \\
& \text { 1\%/step] }
\end{aligned}
\] \\
\hline 029 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S3
\end{tabular} & *ENG & [100 to 995 / 105 / 1\%/step] \\
\hline 030 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S3
\end{tabular} & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 118 \text { / } \\
& \text { 1\%/step] }
\end{aligned}
\] \\
\hline 031 & Wide Roller:PaperTransfer:Low:1Side:S3 & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 105 \text { / } \\
& \text { 1\%/step] }
\end{aligned}
\] \\
\hline 032 & Wide Roller:PaperTransfer:Low:2Side:S3 & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 118 \text { / } \\
& \text { 1\%/step] }
\end{aligned}
\] \\
\hline 033 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S4
\end{tabular} & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 118 \text { / } \\
& \text { 1\%/step] }
\end{aligned}
\] \\
\hline 034 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S4
\end{tabular} & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 131 \text { / } \\
& \text { 1\%/step] }
\end{aligned}
\] \\
\hline 035 & Wide Roller:PaperTransfer:Low:1Side:S4 & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 118 \text { / } \\
& \text { 1\%/step] }
\end{aligned}
\] \\
\hline 036 & Wide Roller:PaperTransfer:Low:2Side:S4 & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 131 \text { / } \\
& \text { 1\%/step] }
\end{aligned}
\] \\
\hline 037 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S5
\end{tabular} & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 132 \text { / } \\
& \text { 1\%/step] }
\end{aligned}
\] \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|l|}
\hline 038 & \begin{tabular}{l} 
Wide \\
Roller:PaperTransfer:Standard:2Sid:S5
\end{tabular} & *ENG & \begin{tabular}{l}
{\([100\) to \(995 / 184 /\)} \\
\(1 \% / s t e p]\)
\end{tabular} \\
\hline 039 & Wide Roller:PaperTransfer:Low:1Side:S5 & *ENG & \begin{tabular}{l}
{\([100\) to \(995 / 132 /\)} \\
\(1 \% / s t e p]\)
\end{tabular} \\
\hline 040 & Wide Roller:PaperTransfer:Low:2Side:S5 & *ENG & \begin{tabular}{l}
{\([100\) to \(995 / 184 /\)} \\
\(1 \% / s t e p]\)
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2572} & \multicolumn{3}{|l|}{[Special1:SizeCorrection:FC]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size correction per mode (FC/BW) / printing sides of special paper 1.} \\
\hline 001 & PaperTransfer:Standard:1Sid:S1 & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 100 \text { / } \\
& \text { 1\%/step] }
\end{aligned}
\] \\
\hline 002 & PaperTransfer:Standard:2Sid:S1 & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 100 \text { / } \\
& \text { 1\%/step] }
\end{aligned}
\] \\
\hline 003 & PaperTransfer:Low:1Side:S1 & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 100 \text { / } \\
& \text { 1\%/step] }
\end{aligned}
\] \\
\hline 004 & PaperTransfer:Low:2Side:S1 & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 100 \text { / } \\
& \text { 1\%/step] }
\end{aligned}
\] \\
\hline 005 & PaperTransfer:Standard:1Sid:S2 & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 120 \text { / } \\
& \text { 1\%/step] }
\end{aligned}
\] \\
\hline 006 & PaperTransfer:Standard:2Sid:S2 & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 140 \text { / } \\
& \text { 1\%/step] }
\end{aligned}
\] \\
\hline 007 & PaperTransfer:Low:1Side:S2 & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 120 \text { / } \\
& \text { 1\%/step] }
\end{aligned}
\] \\
\hline 008 & PaperTransfer:Low:2Side:S2 & *ENG & [100 to 995 / 140 / 1\%/step] \\
\hline 009 & PaperTransfer:Standard:1Sid:S3 & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 118 \text { / } \\
& \text { 1\%/step] }
\end{aligned}
\] \\
\hline 010 & PaperTransfer:Standard:2Sid:S3 & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 180 \text { / } \\
& \text { 1\%/step] }
\end{aligned}
\] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 011 & PaperTransfer:Low:1Side:S3 & *ENG & \begin{tabular}{l}
[100 to 995 / 118 / \\
1\%/step]
\end{tabular} \\
\hline 012 & PaperTransfer:Low:2Side:S3 & *ENG & \begin{tabular}{l}
[100 to 995 / 180 / \\
1\%/step]
\end{tabular} \\
\hline 013 & PaperTransfer:Standard:1Sid:S4 & *ENG & \begin{tabular}{l}
[100 to 995 / 130 / \\
1\%/step]
\end{tabular} \\
\hline 014 & PaperTransfer:Standard:2Sid:S4 & *ENG & \begin{tabular}{l}
[100 to 995 / 200 / \\
1\%/step]
\end{tabular} \\
\hline 015 & PaperTransfer:Low:1Side:S4 & *ENG & \begin{tabular}{l}
[100 to 995 / 130 / \\
1\%/step]
\end{tabular} \\
\hline 016 & PaperTransfer:Low:2Side:S4 & *ENG & \begin{tabular}{l}
[100 to 995 / 200 / \\
1\%/step]
\end{tabular} \\
\hline 017 & PaperTransfer:Standard:1Sid:S5 & *ENG & \begin{tabular}{l}
[100 to 995 / 140 / \\
1\%/step]
\end{tabular} \\
\hline 018 & PaperTransfer:Standard:2Sid:S5 & *ENG & \begin{tabular}{l}
[100 to 995 / 240 / \\
1\%/step]
\end{tabular} \\
\hline 019 & PaperTransfer:Low:1Side:S5 & *ENG & \begin{tabular}{l}
[100 to 995 / 140 / \\
1\%/step]
\end{tabular} \\
\hline 020 & PaperTransfer:Low:2Side:S5 & *ENG & \begin{tabular}{l}
[100 to 995 / 240 / \\
1\%/step]
\end{tabular} \\
\hline \multirow[b]{2}{*}{2572} & \multicolumn{3}{|l|}{[Special1:SizeCorrection:FC]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size correction per mode (FC/BW) / printing sides of special paper 1. (When using optional wide unit.)} \\
\hline 021 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S1
\end{tabular} & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline 022 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S1
\end{tabular} & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline 023 & Wide Roller:PaperTransfer:Low:1Side:S1 & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline 024 & Wide Roller:PaperTransfer:Low:2Side:S1 & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 025 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S2
\end{tabular} & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 120 \text { / } \\
& \text { 1\%/step] }
\end{aligned}
\] \\
\hline 026 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S2
\end{tabular} & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 140 \text { / } \\
& \text { 1\%/step] }
\end{aligned}
\] \\
\hline 027 & Wide Roller:PaperTransfer:Low:1Side:S2 & *ENG & [100 to 995 / 120 / 1\%/step] \\
\hline 028 & Wide Roller:PaperTransfer:Low:2Side:S2 & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 140 \text { / } \\
& \text { 1\%/step] }
\end{aligned}
\] \\
\hline 029 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S3
\end{tabular} & *ENG & [100 to 995 / 118 / 1\%/step] \\
\hline 030 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S3
\end{tabular} & *ENG & [100 to 995 / 180 / 1\%/step] \\
\hline 031 & Wide Roller:PaperTransfer:Low:1Side:S3 & *ENG & [100 to 995 / 118 / 1\%/step] \\
\hline 032 & Wide Roller:PaperTransfer:Low:2Side:S3 & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 180 \text { / } \\
& 1 \% / \text { step] }
\end{aligned}
\] \\
\hline 033 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S4
\end{tabular} & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 130 \text { / } \\
& \text { 1\%/step] }
\end{aligned}
\] \\
\hline 034 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S4
\end{tabular} & *ENG & [100 to 995 / 200 / 1\%/step] \\
\hline 035 & Wide Roller:PaperTransfer:Low:1Side:S4 & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 130 \text { / } \\
& \text { 1\%/step] }
\end{aligned}
\] \\
\hline 036 & Wide Roller:PaperTransfer:Low:2Side:S4 & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 200 \text { / } \\
& \text { 1\%/step] }
\end{aligned}
\] \\
\hline 037 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S5
\end{tabular} & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 140 \text { / } \\
& \text { 1\%/step] }
\end{aligned}
\] \\
\hline 038 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S5
\end{tabular} & *ENG & [100 to 995 / 240 / 1\%/step] \\
\hline 039 & Wide Roller:PaperTransfer:Low:1Side:S5 & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 140 \text { / } \\
& \text { 1\%/step] }
\end{aligned}
\] \\
\hline
\end{tabular}
\begin{tabular}{|c|l|l|l|}
\hline 040 & Wide Roller:PaperTransfer:Low:2Side:S5 & *ENG & \begin{tabular}{l}
{\([100\) to 995/240/ } \\
\(1 \% /\) step \(]\)
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2573} & \multicolumn{3}{|l|}{[Special1:Size-Env.Correct:BW]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size environment correction per mode (FC/BW) / printing sides of special paper 1.} \\
\hline 001 & PaperTransfer:Standard:1Sid:S1 & *ENG & [ 1 to \(100 / 10 / 1 /\) step] \\
\hline 002 & PaperTransfer:Standard:2Sid:S1 & *ENG & [ 1 to \(100 / 15\) / 1/step] \\
\hline 003 & PaperTransfer:Low:1Side:S1 & *ENG & [ 1 to \(100 / 10 / 1 /\) step] \\
\hline 004 & PaperTransfer:Low:2Side:S1 & *ENG & [ 1 to \(100 / 15\) / 1/step] \\
\hline 005 & PaperTransfer:Standard:1Sid:S2 & *ENG & [1 to \(100 / 11 / 1 /\) step] \\
\hline 006 & PaperTransfer:Standard:2Sid:S2 & *ENG & [ 1 to \(100 / 16\) / 1/step] \\
\hline 007 & PaperTransfer:Low:1Side:S2 & *ENG & [ 1 to \(100 / 11 / 1 /\) step] \\
\hline 008 & PaperTransfer:Low:2Side:S2 & *ENG & [ 1 to \(100 / 16 / 1 /\) step] \\
\hline 009 & PaperTransfer:Standard:1Sid:S3 & *ENG & [ 1 to \(100 / 12 / 1 /\) step] \\
\hline 010 & PaperTransfer:Standard:2Sid:S3 & *ENG & [ 1 to \(100 / 17 / 1 /\) step] \\
\hline 011 & PaperTransfer:Low:1Side:S3 & *ENG & [ 1 to \(100 / 12 / 1 /\) step] \\
\hline 012 & PaperTransfer:Low:2Side:S3 & *ENG & [ 1 to \(100 / 17 / 1 /\) step] \\
\hline 013 & PaperTransfer:Standard:1Sid:S4 & *ENG & [ 1 to \(100 / 13 / 1 /\) step] \\
\hline 014 & PaperTransfer:Standard:2Sid:S4 & *ENG & [ 1 to \(100 / 18 / 1 /\) step] \\
\hline 015 & PaperTransfer:Low:1Side:S4 & *ENG & [ 1 to \(100 / 13 / 1 /\) step] \\
\hline 016 & PaperTransfer:Low:2Side:S4 & *ENG & [ 1 to \(100 / 18 / 1 /\) step] \\
\hline 017 & PaperTransfer:Standard:1Sid:S5 & *ENG & [ 1 to \(100 / 14\) / 1/step] \\
\hline 018 & PaperTransfer:Standard:2Sid:S5 & *ENG & [ 1 to \(100 / 19 / 1 /\) step] \\
\hline 019 & PaperTransfer:Low:1Side:S5 & *ENG & [ 1 to \(100 / 14\) / 1/step] \\
\hline 020 & PaperTransfer:Low:2Side:S5 & *ENG & [ 1 to \(100 / 19 / 1 /\) step] \\
\hline 2573 & \multicolumn{3}{|l|}{[Special1:Size-Env.Correct:BW]} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size environment correction per mode (FC/BW) / printing sides of special paper 1. (When using optional wide unit.)} \\
\hline 021 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S1
\end{tabular} & *ENG & [1 to \(100 / 10 / 1 /\) step] \\
\hline 022 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S1
\end{tabular} & *ENG & [1 to \(100 / 15\) / 1/step] \\
\hline 023 & Wide Roller:PaperTransfer:Low:1Side:S1 & *ENG & [ 1 to \(100 / 10 / 1 /\) step] \\
\hline 024 & Wide Roller:PaperTransfer:Low:2Side:S1 & *ENG & [1 to \(100 / 15 / 1 /\) step] \\
\hline 025 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S2
\end{tabular} & *ENG & [1 to \(100 / 11 / 1 /\) step] \\
\hline 026 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S2
\end{tabular} & *ENG & [1 to 100 / 16 / 1/step] \\
\hline 027 & Wide Roller:PaperTransfer:Low:1Side:S2 & *ENG & [1 to \(100 / 11 / 1 /\) step] \\
\hline 028 & Wide Roller:PaperTransfer:Low:2Side:S2 & *ENG & [1 to \(100 / 16 / 1 /\) step] \\
\hline 029 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S3
\end{tabular} & *ENG & [1 to \(100 / 12 / 1 /\) step] \\
\hline 030 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S3
\end{tabular} & *ENG & [1 to \(100 / 17\) / 1/step] \\
\hline 031 & Wide Roller:PaperTransfer:Low:1Side:S3 & *ENG & [ 1 to \(100 / 12 / 1 /\) step] \\
\hline 032 & Wide Roller:PaperTransfer:Low:2Side:S3 & *ENG & [1 to \(100 / 17 / 1 /\) step] \\
\hline 033 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S4
\end{tabular} & *ENG & [1 to \(100 / 13\) / 1/step] \\
\hline 034 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S4
\end{tabular} & *ENG & [1 to 100 / 18/1/step] \\
\hline 035 & Wide Roller:PaperTransfer:Low:1Side:S4 & *ENG & [1 to \(100 / 13 / 1 /\) step] \\
\hline 036 & Wide Roller:PaperTransfer:Low:2Side:S4 & *ENG & [ 1 to \(100 / 18 / 1 /\) step] \\
\hline 037 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S5
\end{tabular} & *ENG & [1 to 100 / 14/1/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|l|l|l|}
\hline 038 & \begin{tabular}{l} 
Wide \\
Roller:PaperTransfer:Standard:2Sid:S5
\end{tabular} & *ENG & [1 to 100 / 19 / 1/step] \\
\hline 039 & Wide Roller:PaperTransfer:Low:1Side:S5 & *ENG & [1 to 100 / 14 / 1/step] \\
\hline 040 & Wide Roller:PaperTransfer:Low:2Side:S5 & *ENG & [1 to 100 / 19 / 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|l|l|l|}
\hline \multirow{2}{*}{2574} & \multicolumn{2}{|l|}{} \\
\cline { 2 - 4 } & [Special:Size-Env.Correct:FC] \\
Sets paper transfer ampere paper size environment correction per mode \\
(FC/BW) / printing sides of special paper 1.
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 020 & PaperTransfer:Low:2Side:S5 & *ENG & [1 to 100 / 29 / 1/step] \\
\hline & \multicolumn{3}{|l|}{[Special1:Size-Env.Correct:FC]} \\
\hline 2574 & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size environment correction per mode (FC/BW) / printing sides of special paper 1. (When using optional wide unit.)} \\
\hline 021 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S1
\end{tabular} & *ENG & [1 to 100 / 20 / 1/step] \\
\hline 022 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S1
\end{tabular} & *ENG & [1 to 100 / 25 / 1/step] \\
\hline 023 & Wide Roller:PaperTransfer:Low:1Side:S1 & *ENG & [1 to \(100 / 20 / 1 /\) step] \\
\hline 024 & Wide Roller:PaperTransfer:Low:2Side:S1 & *ENG & [1 to \(100 / 25 / 1 /\) step] \\
\hline 025 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S2
\end{tabular} & *ENG & [1 to 100 / \(21 / 1 /\) step] \\
\hline 026 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S2
\end{tabular} & *ENG & [1 to 100 / 26 / 1/step] \\
\hline 027 & Wide Roller:PaperTransfer:Low:1Side:S2 & *ENG & [1 to 100 / \(21 / 1 /\) step] \\
\hline 028 & Wide Roller:PaperTransfer:Low:2Side:S2 & *ENG & [1 to 100 / 26 / 1/step] \\
\hline 029 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S3
\end{tabular} & *ENG & [1 to 100 / 22 / 1/step] \\
\hline 030 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S3
\end{tabular} & *ENG & [1 to 100 / 27 / 1/step] \\
\hline 031 & Wide Roller:PaperTransfer:Low:1Side:S3 & *ENG & [1 to 100 / 22 / 1/step] \\
\hline 032 & Wide Roller:PaperTransfer:Low:2Side:S3 & *ENG & [1 to \(100 / 27 / 1 /\) step] \\
\hline 033 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S4
\end{tabular} & *ENG & [1 to \(100 / 23\) / 1/step] \\
\hline 034 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S4
\end{tabular} & *ENG & [1 to 100 / 28 / 1/step] \\
\hline 035 & Wide Roller:PaperTransfer:Low:1Side:S4 & *ENG & [1 to 100 / 23 / 1/step] \\
\hline 036 & Wide Roller:PaperTransfer:Low:2Side:S4 & *ENG & [1 to 100 / 28 / 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|l|l|l|}
\hline 037 & \begin{tabular}{l} 
Wide \\
Roller:PaperTransfer:Standard:1Sid:S5
\end{tabular} & *ENG & {\([1\) to \(100 / 24 / 1 /\) step \(]\)} \\
\hline 038 & \begin{tabular}{l} 
Wide \\
Roller:PaperTransfer:Standard:2Sid:S5
\end{tabular} & *ENG & {\([1\) to \(100 / 29 / 1 /\) step \(]\)} \\
\hline 039 & Wide Roller:PaperTransfer:Low:1Side:S5 & *ENG & {\([1\) to \(100 / 24 / 1 /\) step \(]\)} \\
\hline 040 & Wide Roller:PaperTransfer:Low:2Side:S5 & *ENG & {\([1\) to \(100 / 29 / 1 /\) step \(]\)} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2575} & \multicolumn{3}{|l|}{[Special1:LeadingEdgeCorrection]} \\
\hline & \multicolumn{3}{|l|}{Sets output value [\%] for paper transfer ampere leading edge correction per line speed / printing sides of special paper 1.} \\
\hline 001 & PaperTransfer:Standard:1Side & *ENG & [0 to 995 / 100 / 5\%/step] \\
\hline 002 & PaperTransfer:Standard:2Side & *ENG & [0 to 995 / 100 / 5\%/step] \\
\hline 003 & Paper Transfer:Low:1side & *ENG & [0 to 995 / 100 / 5\%/step] \\
\hline 004 & Paper Transfer:Low:2side & *ENG & [0 to 995 / \(100 / 5 \% /\) step] \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{2}{*}{2576} & \multicolumn{3}{|l|}{ [Special1:SwitchTimingLeadEdge] } \\
\cline { 2 - 4 } & \multicolumn{1}{|l|}{\begin{tabular}{l} 
Sets switch timing for paper transfer ampere leading edge correction per line \\
speed / printing sides of special paper 1.
\end{tabular}} \\
\hline 001 & PaperTransfer:Standard:1side & *ENG & {\([0\) to \(50 / 0 / 2 \mathrm{~mm} /\) step \(]\)} \\
\hline 002 & PaperTransfer:Standard:2side & *ENG & {\([0\) to \(50 / 0 / 2 \mathrm{~mm} /\) step \(]\)} \\
\hline 003 & Paper Transfer:Low:1side & *ENG & {\([0\) to \(50 / 0 / 2 \mathrm{~mm} /\) step \(]\)} \\
\hline 004 & Paper Transfer:Low:2side & *ENG & {\([0\) to \(50 / 0 / 2 \mathrm{~mm} /\) step \(]\)} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{2}{*}{2577} & \multicolumn{3}{|l|}{} \\
\cline { 2 - 4 } & [Special1:TrailEdgeCorrection] \\
& \begin{tabular}{l} 
Sets output value [\%] for paper transfer ampere trailing edge correction per line \\
speed / printing sides of special paper 1.
\end{tabular} \\
\hline 001 & PaperTransfer:Standard:1Side & *ENG & {\([0\) to \(995 / 100 / 5 \% /\) step \(]\)} \\
\hline 002 & PaperTransfer:Standard:2Side & *ENG & {\([0\) to \(995 / 100 / 5 \% /\) step \(]\)} \\
\hline
\end{tabular}
\begin{tabular}{|c|l|l|l|}
\hline 003 & Paper Transfer:Low:1side & *ENG & {\([0\) to \(995 / 100 / 5 \% /\) step \(]\)} \\
\hline 004 & Paper Transfer:Low:2side & \(* E N G\) & {\([0\) to \(995 / 100 / 5 \% /\) step \(]\)} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2578} & \multicolumn{3}{|l|}{[Special1:SwitchTimingTrailEdge]} \\
\hline & \multicolumn{3}{|l|}{Sets switch timing for paper transfer ampere trailing edge correction per line speed / printing sides of special paper 1.} \\
\hline 001 & PaperTransfer:Standard:1side & *ENG & [0 to \(50 / 0 / 2 \mathrm{~mm} / \mathrm{step}\) ] \\
\hline 002 & PaperTransfer:Standard:2side & *ENG & [0 to 50 / 0 / 2mm/step] \\
\hline 003 & Paper Transfer:Low:1side & *ENG & [0 to \(50 / 0 / 2 \mathrm{~mm} / \mathrm{step}\) ] \\
\hline 004 & Paper Transfer:Low:2side & *ENG & [0 to 50/0/2mm/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2583} & \multicolumn{3}{|l|}{[Special2:Bias:BW]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere per mode (FC/BW) / printing sides of special paper 2.} \\
\hline 001 & PaperTransfer:standard:1side & *ENG & [0 to 200 / 22 / 1-uA/step] \\
\hline 002 & PaperTransfer:standard:2side & *ENG & [0 to 200 / 22 / 1-uA/step] \\
\hline 003 & PaperTransfer:low:1side & *ENG & [0 to 200 / 11 / 1-uA/step] \\
\hline 004 & PaperTransfer:low:2side & *ENG & [0 to 200 / 11 / 1-uA/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2587} & \multicolumn{3}{|l|}{[Special2:Bias:FC]} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Sets paper transfer ampere per mode (FC/BW) / printing sides of special paper \\
2.
\end{tabular}} \\
\hline 001 & PaperTransfer:standard:1side & *ENG & [0 to 200 / 29 / 1-uA/step] \\
\hline 002 & PaperTransfer:standard:2side & *ENG & [0 to 200 / 29 / 1-uA/step] \\
\hline 003 & PaperTransfer:low:1side & *ENG & [0 to 200 / 14/1-uA/step] \\
\hline 004 & PaperTransfer:low:2side & *ENG & [0 to 200 / 14/1-uA/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2591} & \multicolumn{3}{|l|}{[Special2:SizeCorrection:BW]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size correction per mode (FC/BW) / printing sides of special paper 2.} \\
\hline 001 & PaperTransfer:standard:1Sid:S1 & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline 002 & PaperTransfer:standard:2Sid:S1 & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline 003 & PaperTransfer:Low:1Side:S1 & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline 004 & PaperTransfer:Low:2Side:S1 & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline 005 & PaperTransfer:standard:1Sid:S2 & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline 006 & PaperTransfer:standard:2Sid:S2 & *ENG & \begin{tabular}{l}
[100 to 995 / 105 / \\
1\%/step]
\end{tabular} \\
\hline 007 & PaperTransfer:Low:1Side:S2 & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline 008 & PaperTransfer:Low:2Side:S2 & *ENG & \begin{tabular}{l}
[100 to 995 / 105 / \\
1\%/step]
\end{tabular} \\
\hline 009 & PaperTransfer:standard:1Sid:S3 & *ENG & [100 to 995 / 105 / 1\%/step] \\
\hline 010 & PaperTransfer:standard:2Sid:S3 & *ENG & \begin{tabular}{l}
[100 to 995 / 118 / \\
1\%/step]
\end{tabular} \\
\hline 011 & PaperTransfer:Low:1Side:S3 & *ENG & \begin{tabular}{l}
[100 to 995 / 105 / \\
1\%/step]
\end{tabular} \\
\hline 012 & PaperTransfer:Low:2Side:S3 & *ENG & \begin{tabular}{l}
[100 to 995 / 118 / \\
1\%/step]
\end{tabular} \\
\hline 013 & PaperTransfer:standard:1Sid:S4 & *ENG & \begin{tabular}{l}
[100 to 995 / 118 / \\
1\%/step]
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 014 & PaperTransfer:standard:2Sid:S4 & *ENG & \begin{tabular}{l}
[100 to 995 / 131 / \\
1\%/step]
\end{tabular} \\
\hline 015 & PaperTransfer:Low:1Side:S4 & *ENG & \begin{tabular}{l}
[100 to 995 / 118 / \\
1\%/step]
\end{tabular} \\
\hline 016 & PaperTransfer:Low:2Side:S4 & *ENG & \begin{tabular}{l}
[100 to 995 / 131 / \\
1\%/step]
\end{tabular} \\
\hline 017 & PaperTransfer:Standard:1Sid:S5 & *ENG & \begin{tabular}{l}
[100 to 995 / 132 / \\
1\%/step]
\end{tabular} \\
\hline 018 & PaperTransfer:Standard:2Sid:S5 & *ENG & \begin{tabular}{l}
[100 to 995 / 184 / \\
1\%/step]
\end{tabular} \\
\hline 019 & PaperTransfer:Low:1Side:S5 & *ENG & \begin{tabular}{l}
[100 to 995 / 132 / \\
1\%/step]
\end{tabular} \\
\hline 020 & PaperTransfer:Low:2Side:S5 & *ENG & \begin{tabular}{l}
[100 to 995 / 184 / \\
1\%/step]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{[Special2:SizeCorrection:BW]} \\
\hline 2591 & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size correction per mode (FC/BW) / printing sides of special paper 2. (When using optional wide unit.)} \\
\hline 021 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S1
\end{tabular} & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline 022 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S1
\end{tabular} & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline 023 & Wide Roller:PaperTransfer:Low:1Side:S1 & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline 024 & Wide Roller:PaperTransfer:Low:2Side:S1 & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline 025 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S2
\end{tabular} & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline 026 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S2
\end{tabular} & *ENG & \begin{tabular}{l}
[100 to 995 / 105 / \\
1\%/step]
\end{tabular} \\
\hline 027 & Wide Roller:PaperTransfer:Low:1Side:S2 & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 028 & Wide Roller:PaperTransfer:Low:2Side:S2 & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 105 \text { / } \\
& \text { 1\%/step] }
\end{aligned}
\] \\
\hline 029 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S3
\end{tabular} & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 105 \text { / } \\
& \text { 1\%/step] }
\end{aligned}
\] \\
\hline 030 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S3
\end{tabular} & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 118 \text { / } \\
& \text { 1\%/step] }
\end{aligned}
\] \\
\hline 031 & Wide Roller:PaperTransfer:Low:1Side:S3 & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 105 \text { / } \\
& \text { 1\%/step] }
\end{aligned}
\] \\
\hline 032 & Wide Roller:PaperTransfer:Low:2Side:S3 & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 118 \text { / } \\
& \text { 1\%/step] }
\end{aligned}
\] \\
\hline 033 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S4
\end{tabular} & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 118 \text { / } \\
& \text { 1\%/step] }
\end{aligned}
\] \\
\hline 034 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S4
\end{tabular} & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 131 \text { / } \\
& \text { 1\%/step] }
\end{aligned}
\] \\
\hline 035 & Wide Roller:PaperTransfer:Low:1Side:S4 & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 118 \text { / } \\
& \text { 1\%/step] }
\end{aligned}
\] \\
\hline 036 & Wide Roller:PaperTransfer:Low:2Side:S4 & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 131 \text { / } \\
& \text { 1\%/step] }
\end{aligned}
\] \\
\hline 037 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S5
\end{tabular} & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 132 \text { / } \\
& \text { 1\%/step] }
\end{aligned}
\] \\
\hline 038 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S5
\end{tabular} & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 184 \text { / } \\
& \text { 1\%/step] }
\end{aligned}
\] \\
\hline 039 & Wide Roller:PaperTransfer:Low:1Side:S5 & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 132 \text { / } \\
& \text { 1\%/step] }
\end{aligned}
\] \\
\hline 040 & Wide Roller:PaperTransfer:Low:2Side:S5 & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 184 \text { / } \\
& \text { 1\%/step] }
\end{aligned}
\] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2592} & \multicolumn{3}{|l|}{[Special2:SizeCorrection:FC]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size correction per mode (FC/BW) / printing sides of special paper 2.} \\
\hline 001 & PaperTransfer:standard:1Sid:S1 & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 100 \text { / } \\
& \text { 1\%/step] }
\end{aligned}
\] \\
\hline 002 & PaperTransfer:standard:2Sid:S1 & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 100 \text { / } \\
& \text { 1\%/step] }
\end{aligned}
\] \\
\hline 003 & PaperTransfer:Low:1Side:S1 & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 100 \text { / } \\
& \text { 1\%/step] }
\end{aligned}
\] \\
\hline 004 & PaperTransfer:Low:2Side:S1 & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 100 \text { / } \\
& 1 \% / \text { step }]
\end{aligned}
\] \\
\hline 005 & PaperTransfer:standard:1Sid:S2 & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 120 \text { / } \\
& \text { 1\%/step] }
\end{aligned}
\] \\
\hline 006 & PaperTransfer:standard:2Sid:S2 & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 140 \text { / } \\
& \text { 1\%/step] }
\end{aligned}
\] \\
\hline 007 & PaperTransfer:Low:1Side:S2 & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 120 \text { / } \\
& \text { 1\%/step] }
\end{aligned}
\] \\
\hline 008 & PaperTransfer:Low:2Side:S2 & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 140 \text { / } \\
& \text { 1\%/step] }
\end{aligned}
\] \\
\hline 009 & PaperTransfer:standard:1Sid:S3 & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 118 \text { / } \\
& 1 \% / \text { step] }
\end{aligned}
\] \\
\hline 010 & PaperTransfer:standard:2Sid:S3 & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 180 \text { / } \\
& 1 \% / \text { step }]
\end{aligned}
\] \\
\hline 011 & PaperTransfer:Low:1Side:S3 & *ENG & \begin{tabular}{l}
[100 to 995 / 118 / \\
1\%/step]
\end{tabular} \\
\hline 012 & PaperTransfer:Low:2Side:S3 & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 180 \text { / } \\
& 1 \% / \text { step] }
\end{aligned}
\] \\
\hline 013 & PaperTransfer:standard:1Sid:S4 & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 130 \text { / } \\
& \text { 1\%/step] }
\end{aligned}
\] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 014 & PaperTransfer:standard:2Sid:S4 & *ENG & \begin{tabular}{l}
[100 to 995 / 200 / \\
1\%/step]
\end{tabular} \\
\hline 015 & PaperTransfer:Low:1Side:S4 & *ENG & \begin{tabular}{l}
[100 to 995 / 130 / \\
1\%/step]
\end{tabular} \\
\hline 016 & PaperTransfer:Low:2Side:S4 & *ENG & \begin{tabular}{l}
[100 to 995 / 200 / \\
1\%/step]
\end{tabular} \\
\hline 017 & PaperTransfer:Standard:1Sid:S5 & *ENG & \begin{tabular}{l}
[100 to 995 / 140 / \\
1\%/step]
\end{tabular} \\
\hline 018 & PaperTransfer:Standard:2Sid:S5 & *ENG & \begin{tabular}{l}
[100 to 995 / 240 / \\
1\%/step]
\end{tabular} \\
\hline 019 & PaperTransfer:Low:1Side:S5 & *ENG & \begin{tabular}{l}
[100 to 995 / 140 / \\
1\%/step]
\end{tabular} \\
\hline 020 & PaperTransfer:Low:2Side:S5 & *ENG & \begin{tabular}{l}
[100 to 995 / 240 / \\
1\%/step]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{[Special2:SizeCorrection:FC]} \\
\hline 2592 & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size correction per mode (FC/BW) / printing sides of special paper 2. (When using optional wide unit.)} \\
\hline 021 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S1
\end{tabular} & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline 022 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S1
\end{tabular} & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline 023 & Wide Roller:PaperTransfer:Low:1Side:S1 & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline 024 & Wide Roller:PaperTransfer:Low:2Side:S1 & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline 025 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S2
\end{tabular} & *ENG & \begin{tabular}{l}
[100 to 995 / 120 / \\
1\%/step]
\end{tabular} \\
\hline 026 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S2
\end{tabular} & *ENG & \begin{tabular}{l}
[100 to 995 / 140 / \\
1\%/step]
\end{tabular} \\
\hline 027 & Wide Roller:PaperTransfer:Low:1Side:S2 & *ENG & \begin{tabular}{l}
[100 to 995 / 120 / \\
1\%/step]
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 028 & Wide Roller:PaperTransfer:Low:2Side:S2 & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 140 / \\
& \text { 1\%/step] }
\end{aligned}
\] \\
\hline 029 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S3
\end{tabular} & *ENG & [100 to 995 / 118 / 1\%/step] \\
\hline 030 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S3
\end{tabular} & *ENG & [100 to 995 / 180 / 1\%/step] \\
\hline 031 & Wide Roller:PaperTransfer:Low:1Side:S3 & *ENG & [100 to 995 / 118 / 1\%/step] \\
\hline 032 & Wide Roller:PaperTransfer:Low:2Side:S3 & *ENG & [100 to 995 / 180 / 1\%/step] \\
\hline 033 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S4
\end{tabular} & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 / 130 / \\
& 1 \% / \text { step] }
\end{aligned}
\] \\
\hline 034 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S4
\end{tabular} & *ENG & [100 to 995 / 200 / 1\%/step] \\
\hline 035 & Wide Roller:PaperTransfer:Low:1Side:S4 & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 130 / \\
& \text { 1\%/step] }
\end{aligned}
\] \\
\hline 036 & Wide Roller:PaperTransfer:Low:2Side:S4 & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 200 \text { / } \\
& \text { 1\%/step] }
\end{aligned}
\] \\
\hline 037 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S5
\end{tabular} & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 140 / \\
& \text { 1\%/step] }
\end{aligned}
\] \\
\hline 038 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S5
\end{tabular} & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 240 \text { / } \\
& \text { 1\%/step] }
\end{aligned}
\] \\
\hline 039 & Wide Roller:PaperTransfer:Low:1Side:S5 & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 140 / \\
& \text { 1\%/step] }
\end{aligned}
\] \\
\hline 040 & Wide Roller:PaperTransfer:Low:2Side:S5 & *ENG & [100 to 995 / 240 / 1\%/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2593} & \multicolumn{3}{|l|}{[Special2:Size-Env.Correct:BW]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size environment correction per mode (FC/BW) / printing sides of special paper 2.} \\
\hline 001 & PaperTransfer:standard:1Sid:S1 & *ENG & [1 to \(100 / 10 / 1 /\) step] \\
\hline 002 & PaperTransfer:standard:2Sid:S1 & *ENG & [1 to \(100 / 15\) / 1/step] \\
\hline 003 & PaperTransfer:Low:1Side:S1 & *ENG & [1 to \(100 / 10 / 1 /\) step] \\
\hline 004 & PaperTransfer:Low:2Side:S1 & *ENG & [1 to \(100 / 15 / 1 /\) step] \\
\hline 005 & PaperTransfer:standard:1Sid:S2 & *ENG & [1 to \(100 / 11 / 1 /\) step] \\
\hline 006 & PaperTransfer:standard:2Sid:S2 & *ENG & [1 to \(100 / 16\) / 1/step] \\
\hline 007 & PaperTransfer:Low:1Side:S2 & *ENG & [1 to \(100 / 11 / 1 /\) step] \\
\hline 008 & PaperTransfer:Low:2Side:S2 & *ENG & [1 to \(100 / 16 / 1 /\) step] \\
\hline 009 & PaperTransfer:standard:1Sid:S3 & *ENG & [1 to \(100 / 12 / 1 /\) step] \\
\hline 010 & PaperTransfer:standard:2Sid:S3 & *ENG & [1 to \(100 / 17\) / 1/step] \\
\hline 011 & PaperTransfer:Low:1Side:S3 & *ENG & [1 to \(100 / 12 / 1 /\) step] \\
\hline 012 & PaperTransfer:Low:2Side:S3 & *ENG & [1 to \(100 / 17\) / 1/step] \\
\hline 013 & PaperTransfer:standard:1Sid:S4 & *ENG & [1 to \(100 / 13 / 1 /\) step] \\
\hline 014 & PaperTransfer:standard:2Sid:S4 & *ENG & [1 to \(100 / 18 / 1 /\) step] \\
\hline 015 & PaperTransfer:Low:1Side:S4 & *ENG & [1 to \(100 / 13 / 1 /\) step] \\
\hline 016 & PaperTransfer:Low:2Side:S4 & *ENG & [1 to \(100 / 18 / 1 /\) step] \\
\hline 017 & PaperTransfer:Standard:1Sid:S5 & *ENG & [1 to \(100 / 14 / 1 /\) step] \\
\hline 018 & PaperTransfer:Standard:2Sid:S5 & *ENG & [1 to \(100 / 19 / 1 /\) step] \\
\hline 019 & PaperTransfer:Low:1Side:S5 & *ENG & [1 to \(100 / 14 / 1 /\) step] \\
\hline 020 & PaperTransfer:Low:2Side:S5 & *ENG & [1 to \(100 / 19 / 1 /\) step] \\
\hline \multirow[b]{2}{*}{2593} & \multicolumn{3}{|l|}{[Special2:Size-Env.Correct:BW]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size environment correction per mode (FC/BW) / printing sides of special paper 2. (When using optional wide unit.)} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 021 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S1
\end{tabular} & *ENG & [1 to \(100 / 10 / 1 /\) step] \\
\hline 022 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S1
\end{tabular} & *ENG & [1 to \(100 / 15 / 1 /\) step] \\
\hline 023 & Wide Roller:PaperTransfer:Low:1Side:S1 & *ENG & [1 to \(100 / 10 / 1 /\) step] \\
\hline 024 & Wide Roller:PaperTransfer:Low:2Side:S1 & *ENG & [1 to \(100 / 15 / 1 /\) step] \\
\hline 025 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S2
\end{tabular} & *ENG & [1 to \(100 / 11\) / 1/step] \\
\hline 026 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S2
\end{tabular} & *ENG & [1 to \(100 / 16\) / 1/step] \\
\hline 027 & Wide Roller:PaperTransfer:Low:1Side:S2 & *ENG & [1 to \(100 / 11 / 1 /\) step] \\
\hline 028 & Wide Roller:PaperTransfer:Low:2Side:S2 & *ENG & [1 to \(100 / 16 / 1 /\) step] \\
\hline 029 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S3
\end{tabular} & *ENG & [1 to \(100 / 12\) / 1/step] \\
\hline 030 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S3
\end{tabular} & *ENG & [1 to \(100 / 17\) / 1/step] \\
\hline 031 & Wide Roller:PaperTransfer:Low:1Side:S3 & *ENG & [1 to \(100 / 12 / 1 /\) step] \\
\hline 032 & Wide Roller:PaperTransfer:Low:2Side:S3 & *ENG & [1 to \(100 / 17\) / 1/step] \\
\hline 033 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S4
\end{tabular} & *ENG & [1 to \(100 / 13 / 1 /\) step] \\
\hline 034 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S4
\end{tabular} & *ENG & [1 to \(100 / 18\) / 1/step] \\
\hline 035 & Wide Roller:PaperTransfer:Low:1Side:S4 & *ENG & [1 to \(100 / 13 / 1 /\) step] \\
\hline 036 & Wide Roller:PaperTransfer:Low:2Side:S4 & *ENG & [1 to \(100 / 18 / 1 /\) step] \\
\hline 037 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S5
\end{tabular} & *ENG & [1 to \(100 / 14\) / 1/step] \\
\hline 038 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S5
\end{tabular} & *ENG & [1 to \(100 / 19\) / 1/step] \\
\hline 039 & Wide Roller:PaperTransfer:Low:1Side:S5 & *ENG & [1 to \(100 / 14\) / 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|l|l|l|}
\hline 040 & Wide Roller:PaperTransfer:Low:2Side:S5 & *ENG & [1 to 100 / 19 / 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2594} & \multicolumn{3}{|l|}{[Special2:Size-Env.Correct:FC]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size environment correction per mode (FC/BW) / printing sides of special paper 2.} \\
\hline 001 & PaperTransfer:standard:1Sid:S1 & *ENG & [1 to \(100 / 20 / 1 /\) step] \\
\hline 002 & PaperTransfer:standard:2Sid:S1 & *ENG & [1 to \(100 / 25 / 1 /\) step] \\
\hline 003 & PaperTransfer:Low:1Side:S1 & *ENG & [1 to \(100 / 20 / 1 /\) step] \\
\hline 004 & PaperTransfer:Low:2Side:S1 & *ENG & [1 to \(100 / 25 / 1 /\) step] \\
\hline 005 & PaperTransfer:standard:1Sid:S2 & *ENG & [1 to \(100 / 21 / 1 /\) step] \\
\hline 006 & PaperTransfer:standard:2Sid:S2 & *ENG & [1 to \(100 / 26 / 1 /\) step] \\
\hline 007 & PaperTransfer:Low:1Side:S2 & *ENG & [1 to \(100 / 21 / 1 /\) step] \\
\hline 008 & PaperTransfer:Low:2Side:S2 & *ENG & [1 to \(100 / 26 / 1 /\) step] \\
\hline 009 & PaperTransfer:standard:1Sid:S3 & *ENG & [1 to \(100 / 22 / 1 /\) step] \\
\hline 010 & PaperTransfer:standard:2Sid:S3 & *ENG & [1 to \(100 / 27 / 1 /\) step] \\
\hline 011 & PaperTransfer:Low:1Side:S3 & *ENG & [1 to \(100 / 22 / 1 /\) step] \\
\hline 012 & PaperTransfer:Low:2Side:S3 & *ENG & [1 to \(100 / 27 / 1 /\) step] \\
\hline 013 & PaperTransfer:standard:1Sid:S4 & *ENG & [1 to \(100 / 23 / 1 /\) step] \\
\hline 014 & PaperTransfer:standard:2Sid:S4 & *ENG & [1 to \(100 / 28 / 1 /\) step] \\
\hline 015 & PaperTransfer:Low:1Side:S4 & *ENG & [1 to \(100 / 23 / 1 /\) step] \\
\hline 016 & PaperTransfer:Low:2Side:S4 & *ENG & [1 to \(100 / 28 / 1 /\) step] \\
\hline 017 & PaperTransfer:Standard:1Sid:S5 & *ENG & [1 to \(100 / 24 / 1 /\) step] \\
\hline 018 & PaperTransfer:Standard:2Sid:S5 & *ENG & [1 to \(100 / 29 / 1 /\) step] \\
\hline 019 & PaperTransfer:Low:1Side:S5 & *ENG & [1 to \(100 / 24 / 1 /\) step] \\
\hline 020 & PaperTransfer:Low:2Side:S5 & *ENG & [1 to \(100 / 29 / 1 /\) step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2594} & \multicolumn{3}{|l|}{[Special2:Size-Env.Correct:FC]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size environment correction per mode (FC/BW) / printing sides of special paper 2. (When using optional wide unit.)} \\
\hline 021 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S1
\end{tabular} & *ENG & [1 to \(100 / 20 / 1 /\) step] \\
\hline 022 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S1
\end{tabular} & *ENG & [1 to 100 / 25 / 1/step] \\
\hline 023 & Wide Roller:PaperTransfer:Low:1Side:S1 & *ENG & [1 to \(100 / 20 / 1 /\) step] \\
\hline 024 & Wide Roller:PaperTransfer:Low:2Side:S1 & *ENG & [1 to \(100 / 25 / 1 /\) step] \\
\hline 025 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S2
\end{tabular} & *ENG & [1 to \(100 / 21 / 1 /\) step] \\
\hline 026 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S2
\end{tabular} & *ENG & [1 to 100 / 26 / 1/step] \\
\hline 027 & Wide Roller:PaperTransfer:Low:1Side:S2 & *ENG & [1 to \(100 / 21 / 1 /\) step] \\
\hline 028 & Wide Roller:PaperTransfer:Low:2Side:S2 & *ENG & [1 to 100/26/1/step] \\
\hline 029 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S3
\end{tabular} & *ENG & [1 to 100 / 22 / 1/step] \\
\hline 030 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S3
\end{tabular} & *ENG & [1 to 100 / 27 / 1/step] \\
\hline 031 & Wide Roller:PaperTransfer:Low:1Side:S3 & *ENG & [1 to \(100 / 22 / 1 /\) step] \\
\hline 032 & Wide Roller:PaperTransfer:Low:2Side:S3 & *ENG & [1 to \(100 / 27 / 1 /\) step] \\
\hline 033 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S4
\end{tabular} & *ENG & [1 to \(100 / 23 / 1 /\) step] \\
\hline 034 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S4
\end{tabular} & *ENG & [1 to 100 / 28 / 1/step] \\
\hline 035 & Wide Roller:PaperTransfer:Low:1Side:S4 & *ENG & [1 to \(100 / 23 / 1 /\) step] \\
\hline 036 & Wide Roller:PaperTransfer:Low:2Side:S4 & *ENG & [1 to \(100 / 28 / 1 /\) step] \\
\hline
\end{tabular}
\begin{tabular}{|c|l|l|l|}
\hline 037 & \begin{tabular}{l} 
Wide \\
Roller:PaperTransfer:Standard:1Sid:S5
\end{tabular} & *ENG & {\([1\) to \(100 / 24 / 1 /\) step \(]\)} \\
\hline 038 & \begin{tabular}{l} 
Wide \\
Roller:PaperTransfer:Standard:2Sid:S5
\end{tabular} & *ENG & {\([1\) to \(100 / 29 / 1 /\) step \(]\)} \\
\hline 039 & Wide Roller:PaperTransfer:Low:1Side:S5 & *ENG & {\([1\) to \(100 / 24 / 1 /\) step \(]\)} \\
\hline 040 & Wide Roller:PaperTransfer:Low:2Side:S5 & *ENG & {\([1\) to \(100 / 29 / 1 /\) step \(]\)} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{2}{*}{2595} & \multicolumn{3}{|l|}{ [Special2:LeadingEdgeCorrection] } \\
\cline { 2 - 4 } & \begin{tabular}{l} 
Sets output value [\%] for paper transfer ampere leading edge correction per line \\
speed / printing sides of special paper 2.
\end{tabular} \\
\hline 001 & PaperTransfer:standard:1Side & *ENG & {\([0\) to 995 / 100 / 5\%/step] } \\
\hline 002 & PaperTransfer:standard:2Side & *ENG & {\([0\) to 995 / 100 / 5\%/step] } \\
\hline 003 & Paper Transfer:Low:1side & *ENG & {\([0\) to 995 / 100 / 5\%/step] } \\
\hline 004 & Paper Transfer:Low:2side & *ENG & {\([0\) to \(995 / \mathbf{1 0 0} / 5 \% /\) step \(]\)} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{2}{*}{2596} & \multicolumn{3}{|l|}{ [Special2:SwitchTimingLeadEdge] } \\
\cline { 2 - 4 } & \begin{tabular}{l} 
Sets switch timing for paper transfer ampere leading edge correction per line \\
speed / printing sides of special paper 2.
\end{tabular} \\
\hline 001 & PaperTransfer:standard:1side & *ENG & [0 to \(50 / 0 / 2 \mathrm{~mm} /\) step] \\
\hline 002 & PaperTransfer:standard:2side & *ENG & {\([0\) to \(50 / 0 / 2 \mathrm{~mm} /\) step \(]\)} \\
\hline 003 & Paper Transfer:Low:1side & *ENG & [0 to \(50 / 0 / 2 \mathrm{~mm} /\) step] \\
\hline 004 & Paper Transfer:Low:2side & *ENG & [0 to \(50 / 0 / 2 \mathrm{~mm} /\) step] \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{2}{*}{2597} & \multicolumn{3}{|l|}{ [Special2:TrailEdgeCorrection] } \\
\cline { 2 - 4 } & \begin{tabular}{l} 
Sets output value [\%] for paper transfer ampere trailing edge correction per line \\
speed / printing sides of special paper 2.
\end{tabular} \\
\hline 001 & PaperTransfer:standard:1Side & *ENG & {\([0\) to 995 / 100 / 5\%/step \(]\)} \\
\hline 002 & PaperTransfer:standard:2Side & *ENG & {\([0\) to \(995 / \mathbf{1 0 0} / 5 \% /\) step \(]\)} \\
\hline
\end{tabular}
\begin{tabular}{|c|l|l|l|}
\hline 003 & Paper Transfer:Low:1side & \(* E N G\) & {\([0\) to \(995 / 100 / 5 \% /\) step \(]\)} \\
\hline 004 & Paper Transfer:Low:2side & \(* E N G\) & {\([0\) to \(995 / 100 / 5 \% /\) step \(]\)} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2598} & \multicolumn{3}{|l|}{[Special2:SwitchTimingTrailEdge]} \\
\hline & \multicolumn{3}{|l|}{Sets switch timing for paper transfer ampere trailing edge correction per line speed / printing sides of special paper 2.} \\
\hline 001 & PaperTransfer:standard:1side & *ENG & [0 to \(50 / 0 / 2 \mathrm{~mm} / \mathrm{step}\) ] \\
\hline 002 & PaperTransfer:standard:2side & *ENG & [0 to \(50 / 0 / 2 \mathrm{~mm} / \mathrm{step}\) ] \\
\hline 003 & Paper Transfer:Low:1side & *ENG & [0 to \(50 / 0 / 2 \mathrm{~mm} / \mathrm{step}\) ] \\
\hline 004 & Paper Transfer:Low:2side & *ENG & [0 to \(50 / 0 / 2 \mathrm{~mm} / \mathrm{step}\) ] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2603} & \multicolumn{3}{|l|}{[Special3:Bias:BW]} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Sets paper transfer ampere per mode (FC/BW) / printing sides of special paper \\
3.
\end{tabular}} \\
\hline 001 & PaperTransfer:standard:1side & *ENG & [0 to 200 / 22 / 1-uA/step] \\
\hline 002 & PaperTransfer:standard:2side & *ENG & [0 to 200 / 22 / 1-uA/step] \\
\hline 003 & PaperTransfer:low:1side & *ENG & [0 to 200 / 11 / 1-uA/step] \\
\hline 004 & PaperTransfer:low:2side & *ENG & [0 to 200 / 11 / 1-uA/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2607} & \multicolumn{3}{|l|}{[Special3:Bias:FC]} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Sets paper transfer ampere per mode (FC/BW) / printing sides of special paper \\
3.
\end{tabular}} \\
\hline 001 & PaperTransfer:standard:1side & *ENG & [0 to 200 / 29 / 1-uA/step] \\
\hline 002 & PaperTransfer:standard:2side & *ENG & [0 to 200 / 29 / 1-uA/step] \\
\hline 003 & PaperTransfer:low:1side & *ENG & [0 to 200 / 14/1-uA/step] \\
\hline 004 & PaperTransfer:low:2side & *ENG & [0 to 200 / 14/1-uA/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2611} & \multicolumn{3}{|l|}{[Special3:SizeCorrection:BW]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size correction per mode (FC/BW) / printing sides of special paper 3.} \\
\hline 001 & PaperTransfer:standard:1Sid:S1 & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline 002 & PaperTransfer:standard:2Sid:S1 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 003 & PaperTransfer:Low:1Side:S1 & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline 004 & PaperTransfer:Low:2Side:S1 & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline 005 & PaperTransfer:standard:1Sid:S2 & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline 006 & PaperTransfer:standard:2Sid:S2 & *ENG & \begin{tabular}{l}
[100 to 995 / 105 / \\
1\%/step]
\end{tabular} \\
\hline 007 & PaperTransfer:Low:1Side:S2 & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline 008 & PaperTransfer:Low:2Side:S2 & *ENG & \begin{tabular}{l}
[100 to 995 / 105 / \\
1\%/step]
\end{tabular} \\
\hline 009 & PaperTransfer:standard:1Sid:S3 & *ENG & \begin{tabular}{l}
[100 to 995 / 105 / \\
1\%/step]
\end{tabular} \\
\hline 010 & PaperTransfer:standard:2Sid:S3 & *ENG & \begin{tabular}{l}
[100 to 995 / 118 / \\
1\%/step]
\end{tabular} \\
\hline 011 & PaperTransfer:Low:1Side:S3 & *ENG & \begin{tabular}{l}
[100 to 995 / 105 / \\
1\%/step]
\end{tabular} \\
\hline 012 & PaperTransfer:Low:2Side:S3 & *ENG & \begin{tabular}{l}
[100 to 995 / 118 / \\
1\%/step]
\end{tabular} \\
\hline 013 & PaperTransfer:standard:1Sid:S4 & *ENG & [100 to 995 / 118 / 1\%/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 014 & PaperTransfer:standard:2Sid:S4 & *ENG & \begin{tabular}{l}
[100 to 995 / 131 / \\
1\%/step]
\end{tabular} \\
\hline 015 & PaperTransfer:Low:1Side:S4 & *ENG & [100 to 995 / 118 / 1\%/step] \\
\hline 016 & PaperTransfer:Low:2Side:S4 & *ENG & \begin{tabular}{l}
[100 to 995 / 131 / \\
1\%/step]
\end{tabular} \\
\hline 017 & PaperTransfer:Standard:1Sid:S5 & *ENG & \begin{tabular}{l}
[100 to 995 / 132 / \\
1\%/step]
\end{tabular} \\
\hline 018 & PaperTransfer:Standard:2Sid:S5 & *ENG & \begin{tabular}{l}
[100 to 995 / 184 / \\
1\%/step]
\end{tabular} \\
\hline 019 & PaperTransfer:Low:1Side:S5 & *ENG & \begin{tabular}{l}
[100 to 995 / 132 / \\
1\%/step]
\end{tabular} \\
\hline 020 & PaperTransfer:Low:2Side:S5 & *ENG & \begin{tabular}{l}
[100 to 995 / 184 / \\
1\%/step]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{[Special3:SizeCorrection:BW]} \\
\hline 2611 & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size correction per mode (FC/BW) / printing sides of special paper 3. (When using optional wide unit.)} \\
\hline 021 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S1
\end{tabular} & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline 022 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S1
\end{tabular} & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline 023 & Wide Roller:PaperTransfer:Low:1Side:S1 & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline 024 & Wide Roller:PaperTransfer:Low:2Side:S1 & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline 025 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S2
\end{tabular} & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline 026 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S2
\end{tabular} & *ENG & [100 to 995 / 105 / 1\%/step] \\
\hline 027 & Wide Roller:PaperTransfer:Low:1Side:S2 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 028 & Wide Roller:PaperTransfer:Low:2Side:S2 & *ENG & \begin{tabular}{l}
[100 to 995 / 105 / \\
1\%/step]
\end{tabular} \\
\hline 029 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S3
\end{tabular} & *ENG & \begin{tabular}{l}
[100 to 995 / 105 / \\
1\%/step]
\end{tabular} \\
\hline 030 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S3
\end{tabular} & *ENG & [100 to 995 / 118 / 1\%/step] \\
\hline 031 & Wide Roller:PaperTransfer:Low:1Side:S3 & *ENG & \begin{tabular}{l}
[100 to 995 / 105 / \\
1\%/step]
\end{tabular} \\
\hline 032 & Wide Roller:PaperTransfer:Low:2Side:S3 & *ENG & \begin{tabular}{l}
[100 to 995 / 118 / \\
1\%/step]
\end{tabular} \\
\hline 033 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S4
\end{tabular} & *ENG & \begin{tabular}{l}
[100 to 995 / 118 / \\
1\%/step]
\end{tabular} \\
\hline 034 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S4
\end{tabular} & *ENG & \begin{tabular}{l}
[100 to 995 / 131 / \\
1\%/step]
\end{tabular} \\
\hline 035 & Wide Roller:PaperTransfer:Low:1Side:S4 & *ENG & \begin{tabular}{l}
[100 to 995 / 118 / \\
1\%/step]
\end{tabular} \\
\hline 036 & Wide Roller:PaperTransfer:Low:2Side:S4 & *ENG & \begin{tabular}{l}
[100 to 995 / 131 / \\
1\%/step]
\end{tabular} \\
\hline 037 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S5
\end{tabular} & *ENG & [100 to 995 / 132 / 1\%/step] \\
\hline 038 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S5
\end{tabular} & *ENG & [100 to 995 / 184 / 1\%/step] \\
\hline 039 & Wide Roller:PaperTransfer:Low:1Side:S5 & *ENG & \begin{tabular}{l}
[100 to 995 / 132 / \\
1\%/step]
\end{tabular} \\
\hline 040 & Wide Roller:PaperTransfer:Low:2Side:S5 & *ENG & [100 to 995 / 184 / 1\%/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2612} & \multicolumn{3}{|l|}{[Special3:SizeCorrection:FC]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size correction per mode (FC/BW) / printing sides of special paper 3.} \\
\hline 001 & PaperTransfer:standard:1Sid:S1 & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 100 \text { / } \\
& \text { 1\%/step] }
\end{aligned}
\] \\
\hline 002 & PaperTransfer:standard:2Sid:S1 & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 100 \text { / } \\
& \text { 1\%/step] }
\end{aligned}
\] \\
\hline 003 & PaperTransfer:Low:1Side:S1 & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 100 \text { / } \\
& \text { 1\%/step] }
\end{aligned}
\] \\
\hline 004 & PaperTransfer:Low:2Side:S1 & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 100 \text { / } \\
& 1 \% / \text { step }]
\end{aligned}
\] \\
\hline 005 & PaperTransfer:standard:1Sid:S2 & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 120 \text { / } \\
& \text { 1\%/step] }
\end{aligned}
\] \\
\hline 006 & PaperTransfer:standard:2Sid:S2 & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 140 \text { / } \\
& \text { 1\%/step] }
\end{aligned}
\] \\
\hline 007 & PaperTransfer:Low:1Side:S2 & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 120 \text { / } \\
& \text { 1\%/step] }
\end{aligned}
\] \\
\hline 008 & PaperTransfer:Low:2Side:S2 & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 140 \text { / } \\
& \text { 1\%/step] }
\end{aligned}
\] \\
\hline 009 & PaperTransfer:standard:1Sid:S3 & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 118 \text { / } \\
& 1 \% / \text { step] }
\end{aligned}
\] \\
\hline 010 & PaperTransfer:standard:2Sid:S3 & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 180 \text { / } \\
& 1 \% / \text { step }]
\end{aligned}
\] \\
\hline 011 & PaperTransfer:Low:1Side:S3 & *ENG & \begin{tabular}{l}
[100 to 995 / 118 / \\
1\%/step]
\end{tabular} \\
\hline 012 & PaperTransfer:Low:2Side:S3 & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 180 \text { / } \\
& 1 \% / \text { step] }
\end{aligned}
\] \\
\hline 013 & PaperTransfer:standard:1Sid:S4 & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 130 \text { / } \\
& \text { 1\%/step] }
\end{aligned}
\] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 014 & PaperTransfer:standard:2Sid:S4 & *ENG & \begin{tabular}{l}
[100 to 995 / 200 / \\
1\%/step]
\end{tabular} \\
\hline 015 & PaperTransfer:Low:1Side:S4 & *ENG & \begin{tabular}{l}
[100 to 995 / 130 / \\
1\%/step]
\end{tabular} \\
\hline 016 & PaperTransfer:Low:2Side:S4 & *ENG & \begin{tabular}{l}
[100 to 995 / 200 / \\
1\%/step]
\end{tabular} \\
\hline 017 & PaperTransfer:Standard:1Sid:S5 & *ENG & \begin{tabular}{l}
[100 to 995 / 140 / \\
1\%/step]
\end{tabular} \\
\hline 018 & PaperTransfer:Standard:2Sid:S5 & *ENG & \begin{tabular}{l}
[100 to 995 / 240 / \\
1\%/step]
\end{tabular} \\
\hline 019 & PaperTransfer:Low:1Side:S5 & *ENG & \begin{tabular}{l}
[100 to 995 / 140 / \\
1\%/step]
\end{tabular} \\
\hline 020 & PaperTransfer:Low:2Side:S5 & *ENG & \begin{tabular}{l}
[100 to 995 / 240 / \\
1\%/step]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{[Special3:SizeCorrection:FC]} \\
\hline 2612 & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size correction per mode (FC/BW) / printing sides of special paper 3. (When using optional wide unit.)} \\
\hline 021 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S1
\end{tabular} & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline 022 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S1
\end{tabular} & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline 023 & Wide Roller:PaperTransfer:Low:1Side:S1 & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline 024 & Wide Roller:PaperTransfer:Low:2Side:S1 & *ENG & \begin{tabular}{l}
[100 to 995 / 100 / \\
1\%/step]
\end{tabular} \\
\hline 025 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S2
\end{tabular} & *ENG & \begin{tabular}{l}
[100 to 995 / 120 / \\
1\%/step]
\end{tabular} \\
\hline 026 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S2
\end{tabular} & *ENG & \begin{tabular}{l}
[100 to 995 / 140 / \\
1\%/step]
\end{tabular} \\
\hline 027 & Wide Roller:PaperTransfer:Low:1Side:S2 & *ENG & \begin{tabular}{l}
[100 to 995 / 120 / \\
1\%/step]
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 028 & Wide Roller:PaperTransfer:Low:2Side:S2 & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 140 / \\
& \text { 1\%/step] }
\end{aligned}
\] \\
\hline 029 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S3
\end{tabular} & *ENG & [100 to 995 / 118 / 1\%/step] \\
\hline 030 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S3
\end{tabular} & *ENG & [100 to 995 / 180 / 1\%/step] \\
\hline 031 & Wide Roller:PaperTransfer:Low:1Side:S3 & *ENG & [100 to 995 / 118 / 1\%/step] \\
\hline 032 & Wide Roller:PaperTransfer:Low:2Side:S3 & *ENG & [100 to 995 / 180 / 1\%/step] \\
\hline 033 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S4
\end{tabular} & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 / 130 / \\
& 1 \% / \text { step] }
\end{aligned}
\] \\
\hline 034 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S4
\end{tabular} & *ENG & [100 to 995 / 200 / 1\%/step] \\
\hline 035 & Wide Roller:PaperTransfer:Low:1Side:S4 & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 130 / \\
& \text { 1\%/step] }
\end{aligned}
\] \\
\hline 036 & Wide Roller:PaperTransfer:Low:2Side:S4 & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 200 \text { / } \\
& \text { 1\%/step] }
\end{aligned}
\] \\
\hline 037 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S5
\end{tabular} & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 140 / \\
& \text { 1\%/step] }
\end{aligned}
\] \\
\hline 038 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S5
\end{tabular} & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 240 \text { / } \\
& \text { 1\%/step] }
\end{aligned}
\] \\
\hline 039 & Wide Roller:PaperTransfer:Low:1Side:S5 & *ENG & \[
\begin{aligned}
& \text { [100 to } 995 \text { / } 140 / \\
& \text { 1\%/step] }
\end{aligned}
\] \\
\hline 040 & Wide Roller:PaperTransfer:Low:2Side:S5 & *ENG & [100 to 995 / 240 / 1\%/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2613} & \multicolumn{3}{|l|}{[Special3:Size-Env.Correct:BW]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size environment correction per mode (FC/BW) / printing sides of special paper 3.} \\
\hline 001 & PaperTransfer:standard:1Sid:S1 & *ENG & [1 to \(100 / 10 / 1 /\) step] \\
\hline 002 & PaperTransfer:standard:2Sid:S1 & *ENG & [1 to \(100 / 15\) / 1/step] \\
\hline 003 & PaperTransfer:Low:1Side:S1 & *ENG & [1 to \(100 / 10 / 1 /\) step] \\
\hline 004 & PaperTransfer:Low:2Side:S1 & *ENG & [1 to \(100 / 15\) / 1/step] \\
\hline 005 & PaperTransfer:standard:1Sid:S2 & *ENG & [1 to \(100 / 11 / 1 /\) step] \\
\hline 006 & PaperTransfer:standard:2Sid:S2 & *ENG & [1 to \(100 / 16\) / 1/step] \\
\hline 007 & PaperTransfer:Low:1Side:S2 & *ENG & [1 to \(100 / 11\) / 1/step] \\
\hline 008 & PaperTransfer:Low:2Side:S2 & *ENG & [1 to \(100 / 16\) / 1/step] \\
\hline 009 & PaperTransfer:standard:1Sid:S3 & *ENG & [1 to \(100 / 12 / 1 /\) step] \\
\hline 010 & PaperTransfer:standard:2Sid:S3 & *ENG & [1 to \(100 / 17\) / 1/step] \\
\hline 011 & PaperTransfer:Low:1Side:S3 & *ENG & [1 to \(100 / 12 / 1 /\) step] \\
\hline 012 & PaperTransfer:Low:2Side:S3 & *ENG & [1 to \(100 / 17\) / 1/step] \\
\hline 013 & PaperTransfer:standard:1Sid:S4 & *ENG & [1 to \(100 / 13 / 1 /\) step] \\
\hline 014 & PaperTransfer:standard:2Sid:S4 & *ENG & [1 to \(100 / 18 / 1 /\) step] \\
\hline 015 & PaperTransfer:Low:1Side:S4 & *ENG & [1 to \(100 / 13 / 1 /\) step] \\
\hline 016 & PaperTransfer:Low:2Side:S4 & *ENG & [1 to \(100 / 18 / 1 /\) step] \\
\hline 017 & PaperTransfer:Standard:1Sid:S5 & *ENG & [1 to \(100 / 14\) / 1/step] \\
\hline 018 & PaperTransfer:Standard:2Sid:S5 & *ENG & [1 to \(100 / 19\) / 1/step] \\
\hline 019 & PaperTransfer:Low:1Side:S5 & *ENG & [1 to \(100 / 14\) / 1/step] \\
\hline 020 & PaperTransfer:Low:2Side:S5 & *ENG & [1 to \(100 / 19\) / 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2613} & \multicolumn{3}{|l|}{[Special3:Size-Env.Correct:BW]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size environment correction per mode (FC/BW) / printing sides of special paper 3. (When using optional wide unit.)} \\
\hline 021 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S1
\end{tabular} & *ENG & [1 to \(100 / 10\) / 1/step] \\
\hline 022 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S1
\end{tabular} & *ENG & [1 to \(100 / 15 / 1 /\) step] \\
\hline 023 & Wide Roller:PaperTransfer:Low:1Side:S1 & *ENG & [1 to \(100 / 10 / 1 /\) step] \\
\hline 024 & Wide Roller:PaperTransfer:Low:2Side:S1 & *ENG & [ 1 to \(100 / 15 / 1 /\) step] \\
\hline 025 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S2
\end{tabular} & *ENG & [1 to 100 / 11 / 1/step] \\
\hline 026 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S2
\end{tabular} & *ENG & [1 to 100 / 16 / 1/step] \\
\hline 027 & Wide Roller:PaperTransfer:Low:1Side:S2 & *ENG & [1 to \(100 / 11 / 1 /\) step] \\
\hline 028 & Wide Roller:PaperTransfer:Low:2Side:S2 & *ENG & [1 to \(100 / 16\) / 1/step] \\
\hline 029 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S3
\end{tabular} & *ENG & [1 to 100 / 12 / 1/step] \\
\hline 030 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S3
\end{tabular} & *ENG & [1 to 100 / 17 / 1/step] \\
\hline 031 & Wide Roller:PaperTransfer:Low:1Side:S3 & *ENG & [1 to \(100 / 12 / 1 /\) step] \\
\hline 032 & Wide Roller:PaperTransfer:Low:2Side:S3 & *ENG & [ 1 to \(100 / 17 / 1 /\) step] \\
\hline 033 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S4
\end{tabular} & *ENG & [1 to \(100 / 13\) / 1/step] \\
\hline 034 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S4
\end{tabular} & *ENG & [1 to 100 / 18 / 1/step] \\
\hline 035 & Wide Roller:PaperTransfer:Low:1Side:S4 & *ENG & [1 to \(100 / 13 / 1 /\) step] \\
\hline 036 & Wide Roller:PaperTransfer:Low:2Side:S4 & *ENG & [ 1 to \(100 / 18 / 1 /\) step] \\
\hline
\end{tabular}
\begin{tabular}{|c|l|l|l|}
\hline 037 & \begin{tabular}{l} 
Wide \\
Roller:PaperTransfer:Standard:1Sid:S5
\end{tabular} & *ENG & {\([1\) to \(100 / 14 / 1 /\) step \(]\)} \\
\hline 038 & \begin{tabular}{l} 
Wide \\
Roller:PaperTransfer:Standard:2Sid:S5
\end{tabular} & *ENG & {\([1\) to \(100 / 19 / 1 /\) step \(]\)} \\
\hline 039 & Wide Roller:PaperTransfer:Low:1Side:S5 & *ENG & {\([1\) to \(100 / 14 / 1 /\) step \(]\)} \\
\hline 040 & Wide Roller:PaperTransfer:Low:2Side:S5 & *ENG & {\([1\) to \(100 / 19 / 1 /\) step \(]\)} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2614} & \multicolumn{3}{|l|}{[Special3:Size-Env.Correct:FC]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size environment correction per mode (FC/BW) / printing sides of special paper 3.} \\
\hline 001 & PaperTransfer:standard:1Sid:S1 & *ENG & [1 to \(100 / 20 / 1 /\) step] \\
\hline 002 & PaperTransfer:standard:2Sid:S1 & *ENG & [1 to \(100 / 25 / 1 /\) step] \\
\hline 003 & PaperTransfer:Low:1Side:S1 & *ENG & [1 to \(100 / 20\) / 1/step] \\
\hline 004 & PaperTransfer:Low:2Side:S1 & *ENG & [1 to \(100 / 25 / 1 /\) step] \\
\hline 005 & PaperTransfer:standard:1Sid:S2 & *ENG & [1 to \(100 / 21 / 1 /\) step] \\
\hline 006 & PaperTransfer:standard:2Sid:S2 & *ENG & [1 to \(100 / 26 / 1 /\) step] \\
\hline 007 & PaperTransfer:Low:1Side:S2 & *ENG & [1 to \(100 / 21\) / 1/step] \\
\hline 008 & PaperTransfer:Low:2Side:S2 & *ENG & [1 to 100 / 26 / 1/step] \\
\hline 009 & PaperTransfer:standard:1Sid:S3 & *ENG & [1 to \(100 / 22 / 1 /\) step] \\
\hline 010 & PaperTransfer:standard:2Sid:S3 & *ENG & [1 to \(100 / 27 / 1 /\) step] \\
\hline 011 & PaperTransfer:Low:1Side:S3 & *ENG & [1 to \(100 / 22\) / 1/step] \\
\hline 012 & PaperTransfer:Low:2Side:S3 & *ENG & [1 to \(100 / 27 / 1 /\) step] \\
\hline 013 & PaperTransfer:standard:1Sid:S4 & *ENG & [1 to \(100 / 23\) / 1/step] \\
\hline 014 & PaperTransfer:standard:2Sid:S4 & *ENG & [1 to \(100 / 28\) / 1/step] \\
\hline 015 & PaperTransfer:Low:1Side:S4 & *ENG & [1 to \(100 / 23\) / 1/step] \\
\hline 016 & PaperTransfer:Low:2Side:S4 & *ENG & [1 to 100 / 28 / 1/step] \\
\hline 017 & PaperTransfer:Standard:1Sid:S5 & *ENG & [1 to \(100 / 24 / 1 /\) step] \\
\hline
\end{tabular}
\begin{tabular}{|c|l|l|l|}
\hline 018 & PaperTransfer:Standard:2Sid:S5 & *ENG & [1 to 100/29/1/step] \\
\hline 019 & PaperTransfer:Low:1Side:S5 & *ENG & {\([1\) to 100/24/1/step] } \\
\hline 020 & PaperTransfer:Low:2Side:S5 & *ENG & [1 to 100/29/1/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2614} & \multicolumn{3}{|l|}{[Special3:Size-Env.Correct:FC]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size environment correction per mode (FC/BW) / printing sides of special paper 3. (When using optional wide unit.)} \\
\hline 021 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S1
\end{tabular} & *ENG & [1 to \(100 / 20 / 1 /\) step] \\
\hline 022 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S1
\end{tabular} & *ENG & [1 to 100 / 25 / 1/step] \\
\hline 023 & Wide Roller:PaperTransfer:Low:1Side:S1 & *ENG & [1 to \(100 / 20 / 1 /\) step] \\
\hline 024 & Wide Roller:PaperTransfer:Low:2Side:S1 & *ENG & [1 to \(100 / 25 / 1 /\) step] \\
\hline 025 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S2
\end{tabular} & *ENG & [1 to \(100 / 21 / 1 /\) step] \\
\hline 026 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S2
\end{tabular} & *ENG & [1 to \(100 / 26\) / 1/step] \\
\hline 027 & Wide Roller:PaperTransfer:Low:1Side:S2 & *ENG & [1 to \(100 / 21 / 1 /\) step] \\
\hline 028 & Wide Roller:PaperTransfer:Low:2Side:S2 & *ENG & [1 to \(100 / 26 / 1 /\) step] \\
\hline 029 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S3
\end{tabular} & *ENG & [1 to \(100 / 22\) / 1/step] \\
\hline 030 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S3
\end{tabular} & *ENG & [1 to 100 / 27 / 1/step] \\
\hline 031 & Wide Roller:PaperTransfer:Low:1Side:S3 & *ENG & [1 to \(100 / 22 / 1 /\) step] \\
\hline 032 & Wide Roller:PaperTransfer:Low:2Side:S3 & *ENG & [1 to \(100 / 27 / 1 /\) step] \\
\hline 033 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:1Sid:S4
\end{tabular} & *ENG & [1 to 100 / 23 / 1/step] \\
\hline 034 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:Standard:2Sid:S4
\end{tabular} & *ENG & [1 to 100 / 28 / 1/step] \\
\hline 035 & Wide Roller:PaperTransfer:Low:1Side:S4 & *ENG & [1 to \(100 / 23 / 1 /\) step] \\
\hline 036 & Wide Roller:PaperTransfer:Low:2Side:S4 & *ENG & [1 to \(100 / 28 / 1 /\) step] \\
\hline
\end{tabular}
\begin{tabular}{|c|l|l|l|}
\hline 037 & \begin{tabular}{l} 
Wide \\
Roller:PaperTransfer:Standard:1Sid:S5
\end{tabular} & *ENG & [1 to 100 / 24 / 1/step] \\
\hline 038 & \begin{tabular}{l} 
Wide \\
Roller:PaperTransfer:Standard:2Sid:S5
\end{tabular} & *ENG & [1 to 100 / 29 / 1/step] \\
\hline 039 & Wide Roller:PaperTransfer:Low:1Side:S5 & *ENG & [1 to 100 / 24 / 1/step] \\
\hline 040 & Wide Roller:PaperTransfer:Low:2Side:S5 & *ENG & {\([1\) to 100 / 29 / 1/step] } \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2615} & \multicolumn{3}{|l|}{[Special3:LeadingEdgeCorrection]} \\
\hline & \multicolumn{3}{|l|}{Sets output value [\%] for paper transfer ampere leading edge correction per line speed / printing sides of special paper 3.} \\
\hline 001 & \begin{tabular}{l}
Paper \\
Transfer:standard:1side
\end{tabular} & *ENG & [0 to 995 / 100 / 5\%/step] \\
\hline 002 & \begin{tabular}{l}
Paper \\
Transfer:standard:2side
\end{tabular} & *ENG & [0 to 995 / 100 / 5\%/step] \\
\hline 003 & Paper Transfer:Low:1side & *ENG & [0 to 995 / 100 / 5\%/step] \\
\hline 004 & Paper Transfer:Low:2side & *ENG & [0 to 995 / 100 / 5\%/step] \\
\hline
\end{tabular}
\begin{tabular}{|r|r|r|l|}
\hline \multirow{2}{*}{2616} & \multicolumn{3}{|l|}{ [Special3:SwitchTimingLeadEdge] } \\
\cline { 2 - 4 } & \multicolumn{2}{|l|}{\begin{tabular}{l} 
Sets switch timing for paper transfer ampere leading edge correction per line \\
speed / printing sides of special paper 3.
\end{tabular}} \\
\hline 001 & \begin{tabular}{l} 
Paper \\
Transfer:standard:1side
\end{tabular} & *ENG & {\([0\) to \(50 / 0 / 2 \mathrm{~mm} / \mathrm{step}]\)} \\
\hline 002 & \begin{tabular}{l} 
Paper \\
Transfer:standard:2side
\end{tabular} & *ENG & {\([0\) to \(50 / 0 / 2 \mathrm{~mm} / \mathrm{step}]\)} \\
\hline 003 & Paper Transfer:Low:1side & *ENG & {\([0\) to \(50 / 0 / 2 \mathrm{~mm} / \mathrm{step}]\)} \\
\hline 004 & Paper Transfer:Low:2side & *ENG & {\([0\) to \(50 / 0 / 2 \mathrm{~mm} / \mathrm{step}]\)} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2617} & \multicolumn{3}{|l|}{[Special3:TrailEdgeCorrection]} \\
\hline & \multicolumn{3}{|l|}{Sets output value [\%] for paper transfer ampere trailing edge correction per line speed / printing sides of special paper 3.} \\
\hline 001 & \begin{tabular}{l}
Paper \\
Transfer:standard:1side
\end{tabular} & *ENG & [0 to 995 / 100 / 5\%/step] \\
\hline 002 & \begin{tabular}{l}
Paper \\
Transfer:standard:2side
\end{tabular} & *ENG & [0 to 995 / 100 / 5\%/step] \\
\hline 003 & Paper Transfer:Low:1side & *ENG & [0 to 995 / \(100 / 5 \% /\) step] \\
\hline 004 & Paper Transfer:Low:2side & *ENG & [0 to 995 / 100 / 5\%/step] \\
\hline
\end{tabular}
\begin{tabular}{|r|r|c|l|}
\hline \multirow{2}{*}{\(\mathbf{2 6 1 8}\)} & \multicolumn{3}{|l|}{ [Special3:SwitchTimingTrailEdge] } \\
\cline { 2 - 4 } & \begin{tabular}{l}
\multicolumn{3}{|l|}{\begin{tabular}{l} 
Sets switch timing for paper transfer ampere trailing edge correction per line \\
speed / printing sides of special paper 3.
\end{tabular}} \\
\hline 001
\end{tabular} \begin{tabular}{l} 
Paper \\
Transfer:standard:1side
\end{tabular} & *ENG & {\([0\) to \(50 / 0 / 2 \mathrm{~mm} / \mathrm{step}]\)} \\
\hline 002 & \begin{tabular}{l} 
Paper \\
Transfer:standard:2side
\end{tabular} & *ENG & {\([0\) to \(50 / 0 / 2 \mathrm{~mm} / \mathrm{step}]\)} \\
\hline 003 & Paper Transfer:Low:1side & *ENG & {\([0\) to \(50 / 0 / 2 \mathrm{~mm} / \mathrm{step}]\)} \\
\hline 004 & Paper Transfer:Low:2side & *ENG & {\([0\) to \(50 / 0 / 2 \mathrm{~mm} / \mathrm{step}]\)} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline & \multicolumn{3}{|l|}{[Special1 Thick:Bias:BW]} \\
\hline 2623 & \multicolumn{3}{|l|}{Sets paper transfer ampere per mode (BW/FC) / printing sides of special paper 1 using thick paper setting. "Thick paper" means thick paper 2 or upper with model D148/D149/D150, thick paper 1 or upper with model D146/D147.} \\
\hline 003 & PaperTransfer:1side & *ENG & [0 to 200 / 11 / 1-uA/step] \\
\hline 004 & PaperTransfer:2side & *ENG & [0 to 200 / 15 / 1-uA/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|l|l|l|}
\hline \multirow{3}{*}{\(\mathbf{2 6 2 7}\)} & \multicolumn{3}{|l|}{ [Special1 Thick:Bias:FC] } \\
\cline { 2 - 4 } & \multicolumn{2}{|l|}{\begin{tabular}{l} 
Sets paper transfer ampere per mode (BW/FC) / printing sides of special paper \\
1 using thick paper setting. "Thick paper" means thick paper 2 or upper with \\
model D148/D149/D150, thick paper 1 or upper with model D146/D147.
\end{tabular}} \\
\hline 003 & PaperTransfer:1side & *ENG & [0 to 200 / 19 / 1-uA/step] \\
\hline 004 & PaperTransfer:2side & *ENG & [0 to 200 / 21 / 1-uA/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2631} & \multicolumn{3}{|l|}{[Special1Thick:PaperSizeCorr:BW]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size correction per mode (BW/FC) / printing sides of special paper 1 using thick paper setting. "Thick paper" means thick paper 2 or upper with model D148/D149/D150, thick paper 1 or upper with model D146/D147.} \\
\hline 003 & PaperTransfer:1Side:S1 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 004 & PaperTransfer:2Side:S1 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 007 & PaperTransfer:1Side:S2 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 008 & PaperTransfer:2Side:S2 & *ENG & [100 to 995 / 133 / 1\%/step] \\
\hline 011 & PaperTransfer:1Side:S3 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 012 & PaperTransfer:2Side:S3 & *ENG & [100 to 995 / 167 / 1\%/step] \\
\hline 015 & PaperTransfer:1Side:S4 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 016 & PaperTransfer:2Side:S4 & *ENG & [100 to 995 / 233 / 1\%/step] \\
\hline 019 & PaperTransfer:1Side:S5 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 020 & PaperTransfer:2Side:S5 & *ENG & [100 to 995 / 267 / 1\%/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2631} & \multicolumn{3}{|l|}{[Special1Thick:PaperSizeCorr:BW]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size correction per mode (BW/FC) / printing sides of special paper 1 using thick paper setting. "Thick paper" means thick paper 2 or upper with model D148/D149/D150, thick paper 1 or upper with model D146/D147. (When using optional wide unit.)} \\
\hline 023 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S1
\end{tabular} & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 024 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S1
\end{tabular} & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 027 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S2
\end{tabular} & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 028 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S2
\end{tabular} & *ENG & [100 to 995 / 133 / 1\%/step] \\
\hline 031 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S3
\end{tabular} & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 032 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S3
\end{tabular} & *ENG & [100 to 995 / 167 / 1\%/step] \\
\hline 035 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S4
\end{tabular} & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 036 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S4
\end{tabular} & *ENG & [100 to 995 / 233 / 1\%/step] \\
\hline 039 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S5
\end{tabular} & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 040 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S5
\end{tabular} & *ENG & [100 to 995 / 267 / 1\%/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2632} & \multicolumn{3}{|l|}{[Special1Thick:PaperSizeCorr:FC]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size correction per mode (BW/FC) / printing sides of special paper 1 using thick paper setting. "Thick paper" means thick paper 2 or upper with model D148/D149/D150, thick paper 1 or upper with model D146/D147.} \\
\hline 003 & PaperTransfer:1Side:S1 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 004 & PaperTransfer:2Side:S1 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 007 & PaperTransfer:1Side:S2 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 008 & PaperTransfer:2Side:S2 & *ENG & [100 to 995 / 181 / 1\%/step] \\
\hline 011 & PaperTransfer:1Side:S3 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 012 & PaperTransfer:2Side:S3 & *ENG & [100 to 995 / 229 / 1\%/step] \\
\hline 015 & PaperTransfer:1Side:S4 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 016 & PaperTransfer:2Side:S4 & *ENG & [100 to 995 / 286 / 1\%/step] \\
\hline 019 & PaperTransfer:1Side:S5 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 020 & PaperTransfer:2Side:S5 & *ENG & [100 to 995 / 381 / 1\%/step] \\
\hline & \multicolumn{3}{|l|}{[Special1Thick:PaperSizeCorr:FC]} \\
\hline 2632 & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size correction per mode (BW/FC) / printing sides of special paper 1 using thick paper setting. "Thick paper" means thick paper 2 or upper with model D148/D149/D150, thick paper 1 or upper with model D146/D147. (When using optional wide unit.)} \\
\hline 023 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S1
\end{tabular} & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 024 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S1
\end{tabular} & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 027 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S2
\end{tabular} & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 028 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S2
\end{tabular} & *ENG & [100 to 995 / 181 / 1\%/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 031 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S3
\end{tabular} & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 032 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S3
\end{tabular} & *ENG & [100 to 995 / 229 / 1\%/step] \\
\hline 035 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S4
\end{tabular} & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 036 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S4
\end{tabular} & *ENG & [100 to 995 / 286 / 1\%/step] \\
\hline 039 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S5
\end{tabular} & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 040 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S5
\end{tabular} & *ENG & [100 to 995 / 381 / 1\%/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2633} & \multicolumn{3}{|l|}{[Sp1Thick:PaperSizeEnvCorr:BW]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size environment correction per mode (BW/FC) / printing sides of special paper 1 using thick paper setting. "Thick paper" means thick paper 2 or upper with model D148/D149/D150, thick paper 1 or upper with model D146/D147.} \\
\hline 003 & PaperTransfer:1Side:S1 & *ENG & [1 to \(100 / 85 / 1 /\) step] \\
\hline 004 & PaperTransfer:2Side:S1 & *ENG & [1 to \(100 / 87 / 1 /\) step] \\
\hline 007 & PaperTransfer:1Side:S2 & *ENG & [1 to \(100 / 86 / 1 /\) step] \\
\hline 008 & PaperTransfer:2Side:S2 & *ENG & [1 to \(100 / 88 / 1 /\) step] \\
\hline 011 & PaperTransfer:1Side:S3 & *ENG & [1 to \(100 / 86 / 1 /\) step] \\
\hline 012 & PaperTransfer:2Side:S3 & *ENG & [1 to \(100 / 89 / 1 /\) step] \\
\hline 015 & PaperTransfer:1Side:S4 & *ENG & [1 to \(100 / 86 / 1 /\) step] \\
\hline 016 & PaperTransfer:2Side:S4 & *ENG & [1 to \(100 / 90 / 1 /\) step] \\
\hline 019 & PaperTransfer:1Side:S5 & *ENG & [1 to \(100 / 86 / 1 /\) step] \\
\hline 020 & PaperTransfer:2Side:S5 & *ENG & [1 to \(100 / 91 / 1 /\) step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2633} & \multicolumn{3}{|l|}{[Sp1Thick:PaperSizeEnvCorr:BW]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size environment correction per mode (BW/FC) / printing sides of special paper 1 using thick paper setting. "Thick paper" means thick paper 2 or upper with model D148/D149/D150, thick paper 1 or upper with model D146/D147. (When using optional wide unit.)} \\
\hline 023 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S1
\end{tabular} & *ENG & [1 to 100 / 85 / 1/step] \\
\hline 024 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S1
\end{tabular} & *ENG & [1 to 100 / 87 / 1/step] \\
\hline 027 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S2
\end{tabular} & *ENG & [1 to 100 / 86 / 1/step] \\
\hline 028 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S2
\end{tabular} & *ENG & [1 to 100 / 88 / 1/step] \\
\hline 031 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S3
\end{tabular} & *ENG & [1 to 100 / 86 / 1/step] \\
\hline 032 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S3
\end{tabular} & *ENG & [1 to 100 / 89 / 1/step] \\
\hline 035 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S4
\end{tabular} & *ENG & [1 to 100 / 86 / 1/step] \\
\hline 036 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S4
\end{tabular} & *ENG & [1 to 100 / 90 / 1/step] \\
\hline 039 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S5
\end{tabular} & *ENG & [1 to 100 / 86 / 1/step] \\
\hline 040 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S5
\end{tabular} & *ENG & [1 to 100 / 91 / 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2634} & \multicolumn{3}{|l|}{[Sp1Thick:PaperSizeEnvCorr:FC]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size environment correction per mode (BW/FC) / printing sides of special paper 1 using thick paper setting. "Thick paper" means thick paper 2 or upper with model D148/D149/D150, thick paper 1 or upper with model D146/D147.} \\
\hline 003 & PaperTransfer:1Side:S1 & *ENG & [1 to \(100 / 77 / 1 /\) step] \\
\hline 004 & PaperTransfer:2Side:S1 & *ENG & [1 to \(100 / 92 / 1 /\) step] \\
\hline 007 & PaperTransfer:1Side:S2 & *ENG & [1 to \(100 / 78 / 1 /\) step] \\
\hline 008 & PaperTransfer:2Side:S2 & *ENG & [1 to \(100 / 93 / 1 /\) step] \\
\hline 011 & PaperTransfer:1Side:S3 & *ENG & [ 1 to \(100 / 79 / 1 /\) step] \\
\hline 012 & PaperTransfer:2Side:S3 & *ENG & [1 to \(100 / 94 / 1 /\) step] \\
\hline 015 & PaperTransfer:1Side:S4 & *ENG & [1 to \(100 / 79 / 1 /\) step] \\
\hline 016 & PaperTransfer:2Side:S4 & *ENG & [ 1 to \(100 / 95 / 1 /\) step] \\
\hline 019 & PaperTransfer:1Side:S5 & *ENG & [ 1 to \(100 / 79 / 1 /\) step] \\
\hline 020 & PaperTransfer:2Side:S5 & *ENG & [1 to \(100 / 96 / 1 /\) step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2634} & \multicolumn{3}{|l|}{[Sp1Thick:PaperSizeEnvCorr:FC]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size environment correction per mode (BW/FC) / printing sides of special paper 1 using thick paper setting. "Thick paper" means thick paper 2 or upper with model D148/D149/D150, thick paper 1 or upper with model D146/D147. (When using optional wide unit.)} \\
\hline 023 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S1
\end{tabular} & *ENG & [1 to 100 / 77 / 1/step] \\
\hline 024 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S1
\end{tabular} & *ENG & [1 to 100 / 92 / 1/step] \\
\hline 027 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S2
\end{tabular} & *ENG & [1 to 100 / 78 / 1/step] \\
\hline 028 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S2
\end{tabular} & *ENG & [1 to \(100 / 93 / 1 /\) step] \\
\hline 031 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S3
\end{tabular} & *ENG & [1 to 100 / 79 / 1/step] \\
\hline 032 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S3
\end{tabular} & *ENG & [1 to \(100 / 94\) / 1/step] \\
\hline 035 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S4
\end{tabular} & *ENG & [1 to 100 / 79 / 1/step] \\
\hline 036 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S4
\end{tabular} & *ENG & [1 to 100 / 95 / 1/step] \\
\hline 039 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S5
\end{tabular} & *ENG & [1 to 100 / 79 / 1/step] \\
\hline 040 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S5
\end{tabular} & *ENG & [1 to 100 / 96 / 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{3}{*}{\(\mathbf{2 6 3 5}\)} & \multicolumn{3}{|l|}{ [Sp1Thick:LeadingEdgeCorrection] } \\
\cline { 2 - 4 } & \begin{tabular}{l} 
Sets output value [\%] for paper transfer ampere leading edge correction per \\
printing sides of special paper 1 using thick paper setting. "Thick paper" means \\
thick paper 2 or upper with model D148/D149/D150, thick paper 1 or upper with \\
model D146/D147.
\end{tabular} \\
\hline 003 & Paper Transfer:1side & *ENG & {\([0\) to \(995 / \mathbf{1 0 0} / 5 \% /\) step \(]\)} \\
\hline 004 & Paper Transfer:2side & *ENG & {\([0\) to \(995 / \mathbf{1 0 0} / 5 \% /\) step \(]\)} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{3}{*}{\(\mathbf{2 6 3 6}\)} & \multicolumn{3}{|l|}{ [Sp1Thick:SwitchTimingLeadEdge] } \\
\cline { 2 - 4 } & \begin{tabular}{l} 
Sets switch timing for paper transfer ampere leading edge correction per \\
printing sides of special paper 1 using thick paper setting. "Thick paper" means \\
thick paper 2 or upper with model D148/D149/D150, thick paper 1 or upper with \\
model D146/D147.
\end{tabular} \\
\hline 003 & Paper Transfer:1side & *ENG & {\([0\) to \(50 / 0 / 2 \mathrm{~mm} / \mathrm{step}]\)} \\
\hline 004 & Paper Transfer:2side & *ENG & {\([0\) to \(50 / 0 / 2 \mathrm{~mm} / \mathrm{step}]\)} \\
\hline
\end{tabular}
\begin{tabular}{|c|l|c|l|}
\hline \multirow{2}{*}{2637} & \multicolumn{3}{|l|}{ [Sp1Thick:TrailEdgeCorrection] } \\
\cline { 2 - 4 } & \begin{tabular}{l} 
Sets output value [\%] for paper transfer ampere trailing edge correction per \\
printing sides of special paper 1 \\
thick paper 2 or upper with model D148/D149/D150, thick paper 1 or upper with \\
model D146/D147.
\end{tabular} \\
\hline 003 & Paper Transfer:1side & *ENG & [0 to 995 / 100 / 5\%/step] \\
\hline 004 & Paper Transfer:2side & *ENG & {\([0\) to \(995 / 100 / 5 \% /\) step] } \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|l|}
\hline \multirow{3}{*}{\(\mathbf{2 6 3 8}\)} & \multicolumn{3}{|l|}{ [Sp1Thick:SwitchTimingTrailEdge] } \\
\cline { 2 - 4 } & \begin{tabular}{l} 
Sets switch timing for paper transfer ampere trailing edge correction per printing \\
sides of special paper 1 using thick paper setting. "Thick paper" means thick \\
paper 2 or upper with model D148/D149/D150, thick paper 1 or upper with \\
model D146/D147.
\end{tabular} \\
\hline 003 & Paper Transfer:1side & *ENG & [0 to 50 / 0 / 2mm/step] \\
\hline 004 & Paper Transfer:2side & *ENG & {\([0\) to 50 / 0 / 2mm/step] } \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{3}{*}{\(\mathbf{2 6 4 3}\)} & \multicolumn{3}{|l|}{ [Special2 Thick:Bias:BW] } \\
\cline { 2 - 4 } & \begin{tabular}{l} 
Sets paper transfer ampere per mode (BW/FC) / printing sides of special paper \\
2 using thick paper setting. "Thick paper" means thick paper 2 or upper with \\
model D148/D149/D150, thick paper 1 or upper with model D146/D147.
\end{tabular} \\
\hline 003 & PaperTransfer:1side & *ENG & [0 to 200 / 11 / 1-uA/step] \\
\hline 004 & PaperTransfer:2side & *ENG & [0 to 200 / 15 / 1-uA/step] \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{3}{*}{\(\mathbf{2 6 4 7}\)} & \multicolumn{3}{|l|}{ [Special2 Thick:Bias:FC] } \\
\cline { 2 - 4 } & \begin{tabular}{l} 
Sets paper transfer ampere per mode (BW/FC) / printing sides of special paper \\
2 using thick paper setting. "Thick paper" means thick paper 2 or upper with \\
model D148/D149/D150, thick paper 1 or upper with model D146/D147.
\end{tabular} \\
\hline 003 & PaperTransfer:1side & *ENG & [0 to 200 / 19 / 1-uA/step] \\
\hline 004 & PaperTransfer:2side & *ENG & [0 to 200 / 21 / 1-uA/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2651} & \multicolumn{3}{|l|}{[Special2Thick:PaperSizeCorr:BW]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size correction per mode (BW/FC) / printing sides of special paper 2 using thick paper setting. "Thick paper" means thick paper 2 or upper with model D148/D149/D150, thick paper 1 or upper with model D146/D147.} \\
\hline 003 & PaperTransfer:1Side:S1 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 004 & PaperTransfer:2Side:S1 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 007 & PaperTransfer:1Side:S2 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 008 & PaperTransfer:2Side:S2 & *ENG & [100 to 995 / 133 / 1\%/step] \\
\hline 011 & PaperTransfer:1Side:S3 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 012 & PaperTransfer:2Side:S3 & *ENG & [100 to 995 / 167 / 1\%/step] \\
\hline 015 & PaperTransfer:1Side:S4 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 016 & PaperTransfer:2Side:S4 & *ENG & [100 to 995 / 233 / 1\%/step] \\
\hline 019 & PaperTransfer:1Side:S5 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 020 & PaperTransfer:2Side:S5 & *ENG & [100 to 995 / 267 / 1\%/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2651} & \multicolumn{3}{|l|}{[Special2Thick:PaperSizeCorr:BW]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size correction per mode (BW/FC) / printing sides of special paper 2 using thick paper setting. "Thick paper" means thick paper 2 or upper with model D148/D149/D150, thick paper 1 or upper with model D146/D147. (When using optional wide unit.)} \\
\hline 023 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S1
\end{tabular} & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 024 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S1
\end{tabular} & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 027 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S2
\end{tabular} & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 028 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S2
\end{tabular} & *ENG & [100 to 995 / 133 / 1\%/step] \\
\hline 031 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S3
\end{tabular} & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 032 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S3
\end{tabular} & *ENG & [100 to 995 / 167 / 1\%/step] \\
\hline 035 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S4
\end{tabular} & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 036 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S4
\end{tabular} & *ENG & [100 to 995 / 233 / 1\%/step] \\
\hline 039 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S5
\end{tabular} & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 040 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S5
\end{tabular} & *ENG & [100 to 995 / 267 / 1\%/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2652} & \multicolumn{3}{|l|}{[Special2Thick:PaperSizeCorr:FC]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size correction per mode (BW/FC) / printing sides of special paper 2 using thick paper setting. "Thick paper" means thick paper 2 or upper with model D148/D149/D150, thick paper 1 or upper with model D146/D147.} \\
\hline 003 & PaperTransfer:1Side:S1 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 004 & PaperTransfer:2Side:S1 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 007 & PaperTransfer:1Side:S2 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 008 & PaperTransfer:2Side:S2 & *ENG & [100 to 995 / 181 / 1\%/step] \\
\hline 011 & PaperTransfer:1Side:S3 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 012 & PaperTransfer:2Side:S3 & *ENG & [100 to 995 / 229 / 1\%/step] \\
\hline 015 & PaperTransfer:1Side:S4 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 016 & PaperTransfer:2Side:S4 & *ENG & [100 to 995 / 286 / 1\%/step] \\
\hline 019 & PaperTransfer:1Side:S5 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 020 & PaperTransfer:2Side:S5 & *ENG & [100 to 995 / 381 / 1\%/step] \\
\hline & \multicolumn{3}{|l|}{[Special2Thick:PaperSizeCorr:FC]} \\
\hline 2652 & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size correction per mode (BW/FC) / printing sides of special paper 2 using thick paper setting. "Thick paper" means thick paper 2 or upper with model D148/D149/D150, thick paper 1 or upper with model D146/D147. (When using optional wide unit.)} \\
\hline 023 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S1
\end{tabular} & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 024 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S1
\end{tabular} & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 027 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S2
\end{tabular} & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 028 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S2
\end{tabular} & *ENG & [100 to 995 / 181 / 1\%/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 031 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S3
\end{tabular} & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 032 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S3
\end{tabular} & *ENG & [100 to 995 / 229 / 1\%/step] \\
\hline 035 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S4
\end{tabular} & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 036 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S4
\end{tabular} & *ENG & [100 to 995 / 286 / 1\%/step] \\
\hline 039 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S5
\end{tabular} & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 040 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S5
\end{tabular} & *ENG & [100 to 995 / 381 / 1\%/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|l|l|l|}
\hline \multirow{2}{*}{\(\mathbf{2 6 5 3}\)} & \multicolumn{2}{|l|}{ [Sp2Thick:PaperSizeEnvCorr:BW] } \\
\cline { 2 - 4 } & \begin{tabular}{l} 
Sets paper transfer ampere paper size environment correction per mode \\
(BW/FC) / printing sides of special paper 2 using thick paper setting. "Thick \\
paper" means thick paper 2 or upper with model D148/D149/D150, thick paper 1 \\
or upper with model D146/D147.
\end{tabular} \\
\hline 003 & PaperTransfer:1Side:S1 & *ENG & [1 to \(100 / 70 / 1 /\) step] \\
\hline 004 & PaperTransfer:2Side:S1 & *ENG & {\([1\) to \(100 / 72 / 1 /\) step] } \\
\hline 007 & PaperTransfer:1Side:S2 & *ENG & {\([1\) to \(100 / 71 / 1 /\) step] } \\
\hline 008 & PaperTransfer:2Side:S2 & *ENG & {\([1\) to \(100 / 73 / 1 /\) step] } \\
\hline 011 & PaperTransfer:1Side:S3 & *ENG & {\([1\) to \(100 / 72 / 1 /\) step] } \\
\hline 012 & PaperTransfer:2Side:S3 & {\([1\) to \(100 / 74 / 1 /\) step] } \\
\hline 015 & PaperTransfer:1Side:S4 & *ENG & {\([1\) to \(100 / 72 / 1 /\) step] } \\
\hline 016 & PaperTransfer:2Side:S4 & *ENG & {\([1\) to \(100 / 75 / 1 /\) step] } \\
\hline 019 & PaperTransfer:1Side:S5 & *ENG & {\([1\) to \(100 / 72 / 1 /\) step] } \\
\hline 020 & PaperTransfer:2Side:S5 & {\([1\) to \(100 / 76 / 1 /\) step] } \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2653} & \multicolumn{3}{|l|}{[Sp2Thick:PaperSizeEnvCorr:BW]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size environment correction per mode (BW/FC) / printing sides of special paper 2 using thick paper setting. "Thick paper" means thick paper 2 or upper with model D148/D149/D150, thick paper 1 or upper with model D146/D147. (When using optional wide unit.)} \\
\hline 023 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S1
\end{tabular} & *ENG & [1 to 100 / 70 / 1/step] \\
\hline 024 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S1
\end{tabular} & *ENG & [1 to 100 / 72 / 1/step] \\
\hline 027 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S2
\end{tabular} & *ENG & [1 to 100 / 71 / 1/step] \\
\hline 028 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S2
\end{tabular} & *ENG & [1 to 100 / 73 / 1/step] \\
\hline 031 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S3
\end{tabular} & *ENG & [1 to 100 / 72 / 1/step] \\
\hline 032 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S3
\end{tabular} & *ENG & [1 to 100 / 74 / 1/step] \\
\hline 035 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S4
\end{tabular} & *ENG & [1 to 100 / \(72 / 1 /\) step] \\
\hline 036 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S4
\end{tabular} & *ENG & [1 to 100 / 75 / 1/step] \\
\hline 039 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S5
\end{tabular} & *ENG & [1 to \(100 / 72 / 1 /\) step] \\
\hline 040 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S5
\end{tabular} & *ENG & [1 to \(100 / 76 / 1 /\) step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2654} & \multicolumn{3}{|l|}{[Sp2Thick:PaperSizeEnvCorr:FC]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size environment correction per mode (BW/FC) / printing sides of special paper 2 using thick paper setting. "Thick paper" means thick paper 2 or upper with model D148/D149/D150, thick paper 1 or upper with model D146/D147.} \\
\hline 003 & PaperTransfer:1Side:S1 & *ENG & [1 to 100 / 77 / 1/step] \\
\hline 004 & PaperTransfer:2Side:S1 & *ENG & [1 to \(100 / 80 / 1 /\) step] \\
\hline 007 & PaperTransfer:1Side:S2 & *ENG & [1 to \(100 / 78 / 1 /\) step] \\
\hline 008 & PaperTransfer:2Side:S2 & *ENG & [1 to 100 / 81/ 1/step] \\
\hline 011 & PaperTransfer:1Side:S3 & *ENG & [1 to \(100 / 79 / 1 /\) step] \\
\hline 012 & PaperTransfer:2Side:S3 & *ENG & [1 to \(100 / 82 / 1 /\) step] \\
\hline 015 & PaperTransfer:1Side:S4 & *ENG & [1 to 100 / 79 / 1/step] \\
\hline 016 & PaperTransfer:2Side:S4 & *ENG & [1 to \(100 / 83 / 1 /\) step] \\
\hline 019 & PaperTransfer:1Side:S5 & *ENG & [1 to \(100 / 79 / 1 /\) step] \\
\hline 020 & PaperTransfer:2Side:S5 & *ENG & [1 to \(100 / 84 / 1 /\) step] \\
\hline & \multicolumn{3}{|l|}{[Sp2Thick:PaperSizeEnvCorr:FC]} \\
\hline 2654 & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size environment correction per mode (BW/FC) / printing sides of special paper 2 using thick paper setting. "Thick paper" means thick paper 2 or upper with model D148/D149/D150, thick paper 1 or upper with model D146/D147. (When using optional wide unit.)} \\
\hline 023 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S1
\end{tabular} & *ENG & [1 to 100 / 77 / 1/step] \\
\hline 024 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S1
\end{tabular} & *ENG & [1 to 100 / 80 / 1/step] \\
\hline 027 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S2
\end{tabular} & *ENG & [1 to 100 / 78/ 1/step] \\
\hline 028 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S2
\end{tabular} & *ENG & [1 to 100 / 81/ 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 031 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S3
\end{tabular} & *ENG & [1 to 100 / 79 / 1/step] \\
\hline 032 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S3
\end{tabular} & *ENG & [1 to 100 / 82 / 1/step] \\
\hline 035 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S4
\end{tabular} & *ENG & [1 to 100 / 79 / 1/step] \\
\hline 036 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S4
\end{tabular} & *ENG & [1 to 100 / 83 / 1/step] \\
\hline 039 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S5
\end{tabular} & *ENG & [1 to 100 / 79 / 1/step] \\
\hline 040 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S5
\end{tabular} & *ENG & [1 to 100 / 84/1/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|l|l|l|}
\hline \multirow{3}{*}{2655} & \multicolumn{3}{|l|}{ [Sp2Thick:LeadingEdgeCorrection] } \\
\cline { 2 - 4 } & \begin{tabular}{l} 
Sets output value [\%] for paper transfer ampere leading edge correction per \\
printing sides of special paper 2 using thick paper setting. "Thick paper" means \\
thick paper 2 or upper with model D148/D149/D150, thick paper 1 or upper with \\
model D146/D147.
\end{tabular} \\
\hline 003 & Paper Transfer:1side & *ENG & [0 to 995 / 100 / 5\%/step] \\
\hline 004 & Paper Transfer:2side & *ENG & [0 to 995 / 100 / 5\%/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|l|c|l|}
\hline \multirow{2}{*}{2656} & \multicolumn{3}{|l|}{ [Sp2Thick:SwitchTimingLeadEdge] } \\
\cline { 2 - 4 } & \begin{tabular}{l} 
Sets switch timing for paper transfer ampere leading edge correction per \\
printing sides of special paper 2 using thick paper setting. "Thick paper" means \\
thick paper 2 or upper with model D148/D149/D150, thick paper 1 or upper with \\
model D146/D147.
\end{tabular} \\
\hline 003 & Paper Transfer:1side & *ENG & {\([0\) to \(50 / 0 / 2 \mathrm{~mm} / \mathrm{step}]\)} \\
\hline 004 & Paper Transfer:2side & *ENG & {\([0\) to \(50 / 0 / 2 \mathrm{~mm} / \mathrm{step}]\)} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{3}{*}{\(\mathbf{2 6 5 7}\)} & \multicolumn{3}{|l|}{ [Sp2Thick:TrailEdgeCorrection] } \\
\cline { 2 - 4 } & \begin{tabular}{l} 
Sets output value [\%] for paper transfer ampere trailing edge correction per \\
printing sides of special paper 2 using thick paper setting. "Thick paper" means \\
thick paper 2 or upper with model D148/D149/D150, thick paper 1 or upper with \\
model D146/D147.
\end{tabular} \\
\hline 003 & Paper Transfer:1side & *ENG & [0 to 995 / 100 / 5\%/step] \\
\hline 004 & Paper Transfer:2side & *ENG & {\([0\) to \(\mathbf{9 9 5} / \mathbf{1 0 0} / \mathbf{5 \% / s t e p ]}\)} \\
\hline
\end{tabular}
\begin{tabular}{|c|l|l|l|}
\hline \multirow{3}{*}{\(\mathbf{2 6 5 8}\)} & \multicolumn{3}{|l|}{ [Sp2Thick:SwitchTimingTrailEdge] } \\
\cline { 2 - 4 } & \begin{tabular}{l} 
Sets switch timing for paper transfer ampere trailing edge correction per printing \\
sides of special paper 2 using thick paper setting. "Thick paper" means thick \\
paper 2 or upper with model D148/D149/D150, thick paper 1 or upper with \\
model D146/D147.
\end{tabular} \\
\hline 003 & Paper Transfer:1side & *ENG & [0 to 50 / 0 / 2mm/step] \\
\hline 004 & Paper Transfer:2side & *ENG & [0 to 50 / 0 / 2mm/step] \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{3}{*}{\(\mathbf{2 6 6 3}\)} & \multicolumn{3}{|l|}{ [Special3 Thick:Bias:BW] } \\
\cline { 2 - 4 } & \begin{tabular}{l} 
Sets paper transfer ampere per mode (BW/FC) / printing sides of special paper \\
3 using thick paper setting. "Thick paper" means thick paper 2 or upper with \\
model D148/D149/D150, thick paper 1 or upper with model D146/D147.
\end{tabular} \\
\hline 003 & PaperTransfer:1side & *ENG & [0 to 200 / 11 / 1-uA/step] \\
\hline 004 & PaperTransfer:2side & *ENG & [0 to 200 / 15 / 1-uA/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|l|l|l|}
\hline \multirow{3}{*}{\(\mathbf{2 6 6 7}\)} & \multicolumn{3}{|l|}{ [Special3 Thick:Bias:FC] } \\
\cline { 2 - 4 } & \begin{tabular}{l} 
Sets paper transfer ampere per mode (BW/FC) / printing sides of special paper \\
3 using thick paper setting. "Thick paper" means thick paper 2 or upper with \\
model D148/D149/D150, thick paper 1 or upper with model D146/D147.
\end{tabular} \\
\hline 003 & PaperTransfer:1side & *ENG & [0 to 200 / 19 / 1-uA/step] \\
\hline 004 & PaperTransfer:2side & *ENG & [0 to 200 / 21 / 1-uA/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2671} & \multicolumn{3}{|l|}{[Special3Thick:PaperSizeCorr:BW]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size correction per mode (BW/FC) / printing sides of special paper 3 using thick paper setting. "Thick paper" means thick paper 2 or upper with model D148/D149/D150, thick paper 1 or upper with model D146/D147.} \\
\hline 003 & PaperTransfer:1Side:S1 & *ENG & [100 to 995 / 100 / 5\%/step] \\
\hline 004 & PaperTransfer:2Side:S1 & *ENG & [100 to 995 / 100 / 5\%/step] \\
\hline 007 & PaperTransfer:1Side:S2 & *ENG & [100 to 995 / 100 / 5\%/step] \\
\hline 008 & PaperTransfer:2Side:S2 & *ENG & [100 to 995 / 133 / 5\%/step] \\
\hline 011 & PaperTransfer:1Side:S3 & *ENG & [100 to 995 / 100 / 5\%/step] \\
\hline 012 & PaperTransfer:2Side:S3 & *ENG & [100 to 995 / 167 / 5\%/step] \\
\hline 015 & PaperTransfer:1Side:S4 & *ENG & [100 to 995 / 100 / 5\%/step] \\
\hline 016 & PaperTransfer:2Side:S4 & *ENG & [100 to 995 / 233 / 5\%/step] \\
\hline 019 & PaperTransfer:1Side:S5 & *ENG & [100 to 995 / 100 / 5\%/step] \\
\hline 020 & PaperTransfer:2Side:S5 & *ENG & [100 to 995 / 267 / 5\%/step] \\
\hline & \multicolumn{3}{|l|}{[Special3Thick:PaperSizeCorr:BW]} \\
\hline 2671 & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size correction per mode (BW/FC) / printing sides of special paper 3 using thick paper setting. "Thick paper" means thick paper 2 or upper with model D148/D149/D150, thick paper 1 or upper with model D146/D147. (When using optional wide unit.)} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 023 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S1
\end{tabular} & *ENG & [100 to 995 / 100 / 5\%/step] \\
\hline 024 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S1
\end{tabular} & *ENG & [100 to 995 / 100 / 5\%/step] \\
\hline 027 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S2
\end{tabular} & *ENG & [100 to 995 / 100 / 5\%/step] \\
\hline 028 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S2
\end{tabular} & *ENG & [100 to 995 / 133 / 5\%/step] \\
\hline 031 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S3
\end{tabular} & *ENG & [100 to 995 / 100 / 5\%/step] \\
\hline 032 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S3
\end{tabular} & *ENG & [100 to 995 / 167 / 5\%/step] \\
\hline 035 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S4
\end{tabular} & *ENG & [100 to 995 / 100 / 5\%/step] \\
\hline 036 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S4
\end{tabular} & *ENG & [100 to 995 / 233 / 5\%/step] \\
\hline 039 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S5
\end{tabular} & *ENG & [100 to 995 / 100 / 5\%/step] \\
\hline 040 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S5
\end{tabular} & *ENG & [100 to 995 / 267 / 5\%/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2672} & \multicolumn{3}{|l|}{[Special3Thick:PaperSizeCorr:FC]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size correction per mode (BW/FC) / printing sides of special paper 3 using thick paper setting. "Thick paper" means thick paper 2 or upper with model D148/D149/D150, thick paper 1 or upper with model D146/D147.} \\
\hline 003 & PaperTransfer:1Side:S1 & *ENG & [100 to 995 / 100 / 5\%/step] \\
\hline 004 & PaperTransfer:2Side:S1 & *ENG & [100 to 995 / 100 / 5\%/step] \\
\hline 007 & PaperTransfer:1Side:S2 & *ENG & [100 to 995 / 100 / 5\%/step] \\
\hline 008 & PaperTransfer:2Side:S2 & *ENG & [100 to 995 / 181 / 5\%/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 011 & PaperTransfer:1Side:S3 & *ENG & [100 to 995 / 100 / 5\%/step] \\
\hline 012 & PaperTransfer:2Side:S3 & *ENG & [100 to 995 / 229 / 5\%/step] \\
\hline 015 & PaperTransfer:1Side:S4 & *ENG & [100 to 995 / 100 / 5\%/step] \\
\hline 016 & PaperTransfer:2Side:S4 & *ENG & [100 to 995 / 286 / 5\%/step] \\
\hline 019 & PaperTransfer:1Side:S5 & *ENG & [100 to 995 / 100 / 5\%/step] \\
\hline 020 & PaperTransfer:2Side:S5 & *ENG & [100 to 995 / 381 / 5\%/step] \\
\hline & \multicolumn{3}{|l|}{[Special3Thick:PaperSizeCorr:FC]} \\
\hline 2672 & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size correction per mode (BW/FC) / printing sides of special paper 3 using thick paper setting. "Thick paper" means thick paper 2 or upper with model D148/D149/D150, thick paper 1 or upper with mode D146/D147. (When using optional wide unit.)} \\
\hline 023 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S1
\end{tabular} & *ENG & [100 to 995 / 100 / 5\%/step] \\
\hline 024 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S1
\end{tabular} & *ENG & [100 to 995 / 100 / 5\%/step] \\
\hline 027 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S2
\end{tabular} & *ENG & [100 to 995 / 100 / 5\%/step] \\
\hline 028 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S2
\end{tabular} & *ENG & [100 to 995 / 181 / 5\%/step] \\
\hline 031 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S3
\end{tabular} & *ENG & [100 to 995 / 100 / 5\%/step] \\
\hline 032 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S3
\end{tabular} & *ENG & [100 to 995 / 229 / 5\%/step] \\
\hline 035 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S4
\end{tabular} & *ENG & [100 to 995 / 100 / 5\%/step] \\
\hline 036 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S4
\end{tabular} & *ENG & [100 to 995 / 286 / 5\%/step] \\
\hline 039 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S5
\end{tabular} & *ENG & [100 to 995 / 100 / 5\%/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|l|l|l|}
\hline 040 & \begin{tabular}{l} 
Wide \\
Roller:PaperTransfer:2Side:S5
\end{tabular} & *ENG & [100 to 995 / 381 / 5\%/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2673} & \multicolumn{3}{|l|}{[Sp3Thick:PaperSizeEnvCorr:BW]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size environment correction per mode (BW/FC) / printing sides of special paper 3 using thick paper setting. "Thick paper" means thick paper 2 or upper with model D148/D149/D150, thick paper 1 or upper with model D146/D147.} \\
\hline 003 & PaperTransfer:1Side:S1 & *ENG & [1 to \(100 / 70 / 1 /\) step] \\
\hline 004 & PaperTransfer:2Side:S1 & *ENG & [1 to \(100 / 72\) / 1/step] \\
\hline 007 & PaperTransfer:1Side:S2 & *ENG & [1 to \(100 / 71\) / 1/step] \\
\hline 008 & PaperTransfer:2Side:S2 & *ENG & [1 to \(100 / 73 / 1 /\) step] \\
\hline 011 & PaperTransfer:1Side:S3 & *ENG & [1 to \(100 / 72 / 1 /\) step] \\
\hline 012 & PaperTransfer:2Side:S3 & *ENG & [1 to \(100 / 74 / 1 /\) step] \\
\hline 015 & PaperTransfer:1Side:S4 & *ENG & [1 to \(100 / 72 / 1 /\) step] \\
\hline 016 & PaperTransfer:2Side:S4 & *ENG & [1 to \(100 / 75 / 1 /\) step] \\
\hline 019 & PaperTransfer:1Side:S5 & *ENG & [1 to \(100 / 72 / 1 /\) step] \\
\hline 020 & PaperTransfer:2Side:S5 & *ENG & [1 to \(100 / 76 / 1 /\) step] \\
\hline & \multicolumn{3}{|l|}{[Sp3Thick:PaperSizeEnvCorr:BW]} \\
\hline 2673 & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size environment correction per mode (BW/FC) / printing sides of special paper 3 using thick paper setting. "Thick paper" means thick paper 2 or upper with model D148/D149/D150, thick paper 1 or upper with model D146/D147. (When using optional wide unit.)} \\
\hline 023 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S1
\end{tabular} & *ENG & [1 to \(100 / 70 / 1 /\) step] \\
\hline 024 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S1
\end{tabular} & *ENG & [1 to \(100 / 72 / 1 /\) step] \\
\hline 027 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S2
\end{tabular} & *ENG & [1 to 100 / 71 / 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 028 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S2
\end{tabular} & *ENG & [1 to \(100 / 73 / 1 /\) step] \\
\hline 031 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S3
\end{tabular} & *ENG & [1 to \(100 / 72\) / 1/step] \\
\hline 032 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S3
\end{tabular} & *ENG & [1 to 100 / 74 / 1/step] \\
\hline 035 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S4
\end{tabular} & *ENG & [1 to \(100 / 72 / 1 /\) step] \\
\hline 036 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S4
\end{tabular} & *ENG & [1 to \(100 / 75\) / 1/step] \\
\hline 039 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S5
\end{tabular} & *ENG & [1 to 100 / 72 / 1/step] \\
\hline 040 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S5
\end{tabular} & *ENG & [1 to 100 / 76 / 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2674} & \multicolumn{3}{|l|}{[Sp3Thick:PaperSizeEnvCorr:FC]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size environment correction per mode (BW/FC) / printing sides of special paper 3 using thick paper setting. "Thick paper" means thick paper 2 or upper with model D148/D149/D150, thick paper 1 or upper with model D146/D147.} \\
\hline 003 & PaperTransfer:1Side:S1 & *ENG & [1 to \(100 / 77\) / 1/step] \\
\hline 004 & PaperTransfer:2Side:S1 & *ENG & [1 to \(100 / 80 / 1 /\) step] \\
\hline 007 & PaperTransfer:1Side:S2 & *ENG & [1 to \(100 / 78 / 1 /\) step] \\
\hline 008 & PaperTransfer:2Side:S2 & *ENG & [1 to \(100 / 81 / 1 /\) step] \\
\hline 011 & PaperTransfer:1Side:S3 & *ENG & [1 to \(100 / 79 / 1 /\) step] \\
\hline 012 & PaperTransfer:2Side:S3 & *ENG & [1 to \(100 / 82 / 1 /\) step] \\
\hline 015 & PaperTransfer:1Side:S4 & *ENG & [1 to \(100 / 79 / 1 /\) step] \\
\hline 016 & PaperTransfer:2Side:S4 & *ENG & [1 to \(100 / 83 / 1 /\) step] \\
\hline 019 & PaperTransfer:1Side:S5 & *ENG & [1 to \(100 / 79\) / 1/step] \\
\hline 020 & PaperTransfer:2Side:S5 & *ENG & [1 to \(100 / 84 / 1 /\) step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2674} & \multicolumn{3}{|l|}{[Sp3Thick:PaperSizeEnvCorr:FC]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size environment correction per mode (BW/FC) / printing sides of special paper 3 using thick paper setting. "Thick paper" means thick paper 2 or upper with model D148/D149/D150, thick paper 1 or upper with model D146/D147. (When using optional wide unit.)} \\
\hline 023 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S1
\end{tabular} & *ENG & [1 to 100 / 77 / 1/step] \\
\hline 024 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S1
\end{tabular} & *ENG & [1 to 100 / 80 / 1/step] \\
\hline 027 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S2
\end{tabular} & *ENG & [1 to 100 / 78 / 1/step] \\
\hline 028 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S2
\end{tabular} & *ENG & [1 to 100 / 81 / 1/step] \\
\hline 031 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S3
\end{tabular} & *ENG & [1 to 100 / 79 / 1/step] \\
\hline 032 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S3
\end{tabular} & *ENG & [1 to 100 / \(82 / 1 /\) step] \\
\hline 035 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S4
\end{tabular} & *ENG & [1 to 100 / 79 / 1/step] \\
\hline 036 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S4
\end{tabular} & *ENG & [1 to 100 / 83 / 1/step] \\
\hline 039 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S5
\end{tabular} & *ENG & [1 to 100 / 79 / 1/step] \\
\hline 040 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S5
\end{tabular} & *ENG & [1 to 100 / 84/ 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{3}{*}{\(\mathbf{2 6 7 5}\)} & \multicolumn{3}{|l|}{ [Sp3Thick:LeadingEdgeCorrection] } \\
\cline { 2 - 4 } & \begin{tabular}{l} 
Sets output value [\%] for paper transfer ampere leading edge correction per \\
printing sides of special paper 3 using thick paper setting. "Thick paper" means \\
thick paper 2 or upper with model D148/D149/D150, thick paper 1 or upper with \\
model D146/D147.
\end{tabular} \\
\hline 003 & Paper Transfer:1side & *ENG & [0 to 995 / 100 / 5\%/step] \\
\hline 004 & Paper Transfer:2side & *ENG & [0 to 995 / 100 / 5\%/step] \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{3}{*}{} & \multicolumn{3}{|l|}{ [Sp3Thick:SwitchTimingLeadEdge] } \\
\cline { 2 - 4 } & \begin{tabular}{l} 
Sets switch timing for paper transfer ampere leading edge correction per \\
printing sides of special paper 3 using thick paper setting. "Thick paper" means \\
thick paper 2 or upper with model D148/D149/D150, thick paper 1 or upper with \\
model D146/D147.
\end{tabular} \\
\hline 003 & Paper Transfer:1side & *ENG & {\([0\) to \(50 / 0 / 2 \mathrm{~mm} / \mathrm{step}]\)} \\
\hline 004 & Paper Transfer:2side & *ENG & {\([0\) to \(50 / 0 / 2 \mathrm{~mm} / \mathrm{step}]\)} \\
\hline
\end{tabular}
\begin{tabular}{|c|l|c|l|}
\hline \multirow{2}{*}{2677} & \multicolumn{3}{|l|}{ [Sp3Thick:TrailEdgeCorrection] } \\
\cline { 2 - 4 } & \begin{tabular}{l} 
Sets output value [\%] for paper transfer ampere trailing edge correction per \\
printing sides of special paper 3 using thick paper setting. "Thick paper" means \\
thick paper 2 or upper with model D148/D149/D150, thick paper 1 or upper with \\
model D146/D147.
\end{tabular} \\
\hline 003 & Paper Transfer:1side & *ENG & [0 to 995 / 100 / 5\%/step] \\
\hline 004 & Paper Transfer:2side & *ENG & {\([0\) to 995 / 100 / 5\%/step] } \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{3}{*}{\(\mathbf{2 6 7 8}\)} & \multicolumn{3}{|l|}{ [Sp3Thick:SwitchTimingTrailEdge] } \\
\cline { 2 - 4 } & \begin{tabular}{l} 
Sets switch timing for paper transfer ampere trailing edge correction per printing \\
sides of special paper 3 using thick paper setting. "Thick paper" means thick \\
paper 2 or upper with model D148/D149/D150, thick paper 1 or upper with \\
model D146/D147.
\end{tabular} \\
\hline 003 & Paper Transfer:1side & *ENG & [0 to 50 / 0 / 2mm/step] \\
\hline 004 & Paper Transfer:2side & *ENG & [0 to 50 / 0 / 2mm/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 2690 & \multicolumn{3}{|l|}{[ITB Contact Setting]} \\
\hline \multirow[b]{2}{*}{001} & Thick1 & *ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Enter 1 when outputting in B\&W monochrome but using all OPC drum (FC mode) with Thick paper 1.} \\
\hline \multirow[b]{2}{*}{002} & Thick2 & *ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Enter 1 when outputting in B\&W monochrome but using all OPC drum (FC mode) with Thick paper 2.} \\
\hline \multirow[b]{2}{*}{003} & Thick3 & *ENG & [ 0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Enter 1 when outputting in B\&W monochrome but using all OPC drum (FC mode) with Thick paper 3.} \\
\hline \multirow[b]{2}{*}{004} & Thick4 & *ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Enter 1 when outputting in B\&W monochrome but using all OPC drum (FC mode) with Thick paper 4.} \\
\hline \multirow[b]{2}{*}{014} & Special1Thick1234 & *ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Enter 1 when outputting in B\&W monochrome but using all OPC drum (FC mode) with Thick paper 1234 and special paper 1.} \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|l|}
\hline \multirow{3}{*}{015} & Special2Thick1234 & *ENG & [0 or \(1 / 0 / 1 /\) step] \\
\cline { 2 - 4 } & \begin{tabular}{l} 
Enter 1 when outputting in B\&W monochrome but using all OPC drum (FC \\
mode) with Thick paper 1234 and special paper 2.
\end{tabular} \\
\hline 016 & \begin{tabular}{l} 
Special3Thick1234
\end{tabular} & \begin{tabular}{l} 
Enter 1 when outputting in B\&W monochrome but using all OPC drum (FC \\
mode) with Thick paper 1234 and special paper 3.
\end{tabular} \\
\cline { 2 - 5 }
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{2}{*}{2703} & \multicolumn{3}{|l|}{ [Thick4:Bias:BW] } \\
\cline { 2 - 4 } & \multicolumn{2}{|l|}{ Sets paper transfer ampere per thickness / mode (FC/BW) / printing sides. } \\
\hline 003 & PaperTransfer:1side & *ENG & {\([0\) to \(200 / 11 / 1-u A / s t e p]\)} \\
\hline 004 & PaperTransfer:2side & *ENG & {\([0\) to \(200 / 15 / 1-u A /\) step \(]\)} \\
\hline
\end{tabular}
\begin{tabular}{|c|l|l|l|}
\hline \multirow{2}{*}{2707} & \multicolumn{3}{|l|}{ [Thick4:Bias:FC] } \\
\cline { 2 - 4 } & Sets paper transfer ampere per thickness / mode (FC/BW) / printing sides. \\
\hline 003 & PaperTransfer:1side & *ENG & {\([0\) to \(200 / 19 / 1-\mathrm{uA} /\) step \(]\)} \\
\hline 004 & PaperTransfer:2side & *ENG & {\([0\) to 200 / 21 / 1-uA/step] } \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2711} & \multicolumn{3}{|l|}{[Thick4:SizeCorrection:BW]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size environment correction per thickness / mode (FC/BW) / printing sides.} \\
\hline 003 & PaperTransfer:1Side:S1 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 004 & PaperTransfer:2Side:S1 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 007 & PaperTransfer:1Side:S2 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 008 & PaperTransfer:2Side:S2 & *ENG & [100 to 995 / 133 / 1\%/step] \\
\hline 011 & PaperTransfer:1Side:S3 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 012 & PaperTransfer:2Side:S3 & *ENG & [100 to 995 / 167 / 1\%/step] \\
\hline 015 & PaperTransfer:1Side:S4 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 016 & PaperTransfer:2Side:S4 & *ENG & [100 to 995 / 233 / 1\%/step] \\
\hline 019 & PaperTransfer:1Side:S5 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 020 & PaperTransfer:2Side:S5 & *ENG & [100 to 995 / 267 / 1\%/step] \\
\hline \multirow[b]{2}{*}{2711} & \multicolumn{3}{|l|}{[Thick4:SizeCorrection:BW]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size environment correction per thickness / mode (FC/BW) / printing sides. (When using optional wide unit.)} \\
\hline 023 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S1
\end{tabular} & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 024 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S1
\end{tabular} & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 027 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S2
\end{tabular} & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 028 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S2
\end{tabular} & *ENG & [100 to 995 / 133 / 1\%/step] \\
\hline 031 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S3
\end{tabular} & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 032 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S3
\end{tabular} & *ENG & [100 to 995 / 167 / 1\%/step] \\
\hline 035 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S4
\end{tabular} & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 036 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S4
\end{tabular} & *ENG & [100 to 995 / 233 / 1\%/step] \\
\hline 039 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S5
\end{tabular} & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 040 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S5
\end{tabular} & *ENG & [100 to 995 / 267 / 1\%/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2712} & \multicolumn{3}{|l|}{[Thick4:SizeCorrection:FC]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size environment correction per thickness / mode (FC/BW) / printing sides.} \\
\hline 003 & PaperTransfer:1Side:S1 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 004 & PaperTransfer:2Side:S1 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 007 & PaperTransfer:1Side:S2 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 008 & PaperTransfer:2Side:S2 & *ENG & [100 to 995 / 181 / 1\%/step] \\
\hline 011 & PaperTransfer:1Side:S3 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 012 & PaperTransfer:2Side:S3 & *ENG & [100 to 995 / 229 / 1\%/step] \\
\hline 015 & PaperTransfer:1Side:S4 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 016 & PaperTransfer:2Side:S4 & *ENG & [100 to 995 / 286 / 1\%/step] \\
\hline 019 & PaperTransfer:1Side:S5 & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 020 & PaperTransfer:2Side:S5 & *ENG & [100 to 995 / 381 / 1\%/step] \\
\hline \multirow[b]{2}{*}{2712} & \multicolumn{3}{|l|}{[Thick4:SizeCorrection:FC]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size environment correction per thickness / mode (FC/BW) / printing sides. (When using optional wide unit.)} \\
\hline 023 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S1
\end{tabular} & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 024 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S1
\end{tabular} & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 027 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S2
\end{tabular} & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 028 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S2
\end{tabular} & *ENG & [100 to 995 / 181 / 1\%/step] \\
\hline 031 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S3
\end{tabular} & *ENG & [100 to 995 / 100 / 1\%/step] \\
\hline 032 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S3
\end{tabular} & *ENG & [100 to 995 / 229 / 1\%/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|l|l|l|}
\hline 035 & \begin{tabular}{l} 
Wide \\
Roller:PaperTransfer:1Side:S4
\end{tabular} & *ENG & {\([100\) to \(995 / 100 / 1 \% /\) step \(]\)} \\
\hline 036 & \begin{tabular}{l} 
Wide \\
Roller:PaperTransfer:2Side:S4
\end{tabular} & *ENG & {\([100\) to 995 / 286 / 1\%/step \(]\)} \\
\hline 039 & \begin{tabular}{l} 
Wide \\
Roller:PaperTransfer:1Side:S5
\end{tabular} & *ENG & {\([100\) to 995 / 100 / 1\%/step \(]\)} \\
\hline 040 & \begin{tabular}{l} 
Wide \\
Roller:PaperTransfer:2Side:S5
\end{tabular} & *ENG & {\([100\) to 995 / 381 / 1\%/step \(]\)} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2713} & \multicolumn{3}{|l|}{[Thick4:Size-Env.Correct:BW]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size environment correction per thickness / mode (FC/BW) / printing sides.} \\
\hline 003 & PaperTransfer:1Side:S1 & *ENG & [1 to \(100 / 70 / 1 /\) step] \\
\hline 004 & PaperTransfer:2Side:S1 & *ENG & [1 to \(100 / 72 / 1 /\) step] \\
\hline 007 & PaperTransfer:1Side:S2 & *ENG & [1 to \(100 / 71 / 1 /\) step] \\
\hline 008 & PaperTransfer:2Side:S2 & *ENG & [1 to \(100 / 73 / 1 /\) step] \\
\hline 011 & PaperTransfer:1Side:S3 & *ENG & [1 to \(100 / 72 / 1 /\) step] \\
\hline 012 & PaperTransfer:2Side:S3 & *ENG & [1 to \(100 / 74 / 1 /\) step] \\
\hline 015 & PaperTransfer:1Side:S4 & *ENG & [1 to \(100 / 72 / 1 /\) step] \\
\hline 016 & PaperTransfer:2Side:S4 & *ENG & [1 to 100 / 75 / 1/step] \\
\hline 019 & PaperTransfer:1Side:S5 & *ENG & [1 to \(100 / 72 / 1 /\) step] \\
\hline 020 & PaperTransfer:2Side:S5 & *ENG & [1 to \(100 / 76 / 1 /\) step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2713} & \multicolumn{3}{|l|}{[Thick4:Size-Env.Correct:BW]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size environment correction per thickness / mode (FC/BW) / printing sides. (When using optional wide unit.)} \\
\hline 023 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S1
\end{tabular} & *ENG & [1 to 100 / 70 / 1/step] \\
\hline 024 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S1
\end{tabular} & *ENG & [1 to 100 / 72 / 1/step] \\
\hline 027 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S2
\end{tabular} & *ENG & [1 to 100 / 71 / 1/step] \\
\hline 028 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S2
\end{tabular} & *ENG & [1 to 100 / 73 / 1/step] \\
\hline 031 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S3
\end{tabular} & *ENG & [1 to \(100 / 72\) / 1/step] \\
\hline 032 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S3
\end{tabular} & *ENG & [1 to 100 / 74 / 1/step] \\
\hline 035 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S4
\end{tabular} & *ENG & [1 to 100 / 72 / 1/step] \\
\hline 036 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S4
\end{tabular} & *ENG & [1 to 100 / 75 / 1/step] \\
\hline 039 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S5
\end{tabular} & *ENG & [1 to 100 / 72 / 1/step] \\
\hline 040 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S5
\end{tabular} & *ENG & [1 to 100 / 76 / 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2714} & \multicolumn{3}{|l|}{[Thick4:Size-Env.Correct:FC]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size environment correction per thickness / mode (FC/BW) / printing sides.} \\
\hline 003 & PaperTransfer:1Side:S1 & *ENG & [1 to \(100 / 77 / 1 /\) step] \\
\hline 004 & PaperTransfer:2Side:S1 & *ENG & [1 to \(100 / 80 / 1 /\) step] \\
\hline 007 & PaperTransfer:1Side:S2 & *ENG & [1 to \(100 / 78 / 1 /\) step] \\
\hline 008 & PaperTransfer:2Side:S2 & *ENG & [1 to \(100 / 81 / 1 /\) step] \\
\hline 011 & PaperTransfer:1Side:S3 & *ENG & [1 to \(100 / 79 / 1 /\) step] \\
\hline 012 & PaperTransfer:2Side:S3 & *ENG & [1 to \(100 / 82 / 1 /\) step] \\
\hline 015 & PaperTransfer:1Side:S4 & *ENG & [1 to \(100 / 79 / 1 /\) step] \\
\hline 016 & PaperTransfer:2Side:S4 & *ENG & [1 to \(100 / 83 / 1 /\) step] \\
\hline 019 & PaperTransfer:1Side:S5 & *ENG & [ 1 to \(100 / 79 / 1 /\) step] \\
\hline 020 & PaperTransfer:2Side:S5 & *ENG & [1 to \(100 / 84 / 1 /\) step] \\
\hline \multirow[b]{2}{*}{2714} & \multicolumn{3}{|l|}{[Thick4:Size-Env.Correct:FC]} \\
\hline & \multicolumn{3}{|l|}{Sets paper transfer ampere paper size environment correction per thickness / mode (FC/BW) / printing sides. (When using optional wide unit.)} \\
\hline 023 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S1
\end{tabular} & *ENG & [1 to 100 / 77 / 1/step] \\
\hline 024 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S1
\end{tabular} & *ENG & [1 to 100 / 80 / 1/step] \\
\hline 027 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S2
\end{tabular} & *ENG & [1 to 100 / 78 / 1/step] \\
\hline 028 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S2
\end{tabular} & *ENG & [1 to 100 / 81/ 1/step] \\
\hline 031 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:1Side:S3
\end{tabular} & *ENG & [1 to 100 / 79 / 1/step] \\
\hline 032 & \begin{tabular}{l}
Wide \\
Roller:PaperTransfer:2Side:S3
\end{tabular} & *ENG & [1 to \(100 / 82 / 1 /\) step] \\
\hline
\end{tabular}
\begin{tabular}{|c|l|l|l|}
\hline 035 & \begin{tabular}{l} 
Wide \\
Roller:PaperTransfer:1Side:S4
\end{tabular} & *ENG & {\([1\) to \(100 / 79 / 1 /\) step \(]\)} \\
\hline 036 & \begin{tabular}{l} 
Wide \\
Roller:PaperTransfer:2Side:S4
\end{tabular} & *ENG & {\([1\) to \(100 / 83 / 1 /\) step \(]\)} \\
\hline 039 & \begin{tabular}{l} 
Wide \\
Roller:PaperTransfer:1Side:S5
\end{tabular} & *ENG & {\([1\) to \(100 / 79 / 1 /\) step \(]\)} \\
\hline 040 & \begin{tabular}{l} 
Wide \\
Roller:PaperTransfer:2Side:S5
\end{tabular} & *ENG & {\([1\) to \(100 / 84 / 1 /\) step] } \\
\hline
\end{tabular}
\begin{tabular}{|c|l|l|l|}
\hline \multirow{2}{*}{2715} & \multicolumn{3}{|l|}{} \\
\cline { 2 - 4 } & \multicolumn{2}{|l|}{\begin{tabular}{l} 
SThick4:LeadingEdgeCorrection] \\
Sets output value [\%] for paper transfer ampere leading edge correction per \\
thickness / printing sides.
\end{tabular}} \\
\hline 003 & Paper Transfer:1side & *ENG & {\([0\) to \(995 / 100 / 5 \% /\) step] }
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{2}{*}{2716} & \multicolumn{3}{|l|}{ [Thick4:SwitchTimingLeadEdge \(]\)} \\
\cline { 2 - 4 } & \begin{tabular}{l} 
Sets switch timing for paper transfer ampere leading edge correction per \\
thickness / printing sides.
\end{tabular} \\
\hline 003 & Paper Transfer:1side & *ENG & {\([0\) to \(50 / 0 / 2 \mathrm{~mm} / \mathrm{step}]\)} \\
\hline 004 & Paper Transfer:2side & *ENG & {\([0\) to \(50 / 0 / 2 \mathrm{~mm} / \mathrm{step}]\)} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{2}{*}{2717} & \multicolumn{3}{|l|}{ [Thick4:TrailEdgeCorrection] } \\
\cline { 2 - 4 } & \begin{tabular}{l} 
Sets output value [\%] for paper transfer ampere trailing edge correction per \\
thickness / printing sides.
\end{tabular} \\
\hline 003 & Paper Transfer:1side & *ENG & {\([0\) to \(995 / 100 / 5 \% /\) step \(]\)} \\
\hline 004 & Paper Transfer:2side & *ENG & {\([0\) to \(995 / 100 / 5 \% /\) step \(]\)} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{2}{*}{2718} & \multicolumn{3}{|l|}{ [Thick4:SwitchTimingTrailEdge] } \\
\cline { 2 - 4 } & \begin{tabular}{l} 
Sets switch timing for paper transfer ampere trailing edge correction per \\
thickness / printing sides.
\end{tabular} \\
\hline 003 & Paper Transfer:1side & *ENG & {\([0\) to \(50 / 0 / 2 \mathrm{~mm} /\) step \(]\)} \\
\hline 004 & Paper Transfer:2side & *ENG & {\([0\) to \(50 / 0 / 2 \mathrm{~mm} / \mathrm{step}]\)} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{2}{*}{2901} & \multicolumn{3}{|l|}{ [OPC Drum Brake Time] } \\
\cline { 2 - 4 } & \multicolumn{3}{|l|}{ Sets braking time when stopping drum (FC) motor. } \\
\hline 001 & All & *ENG & [50 to 240000 / 50 / 10msec/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 2902 & \multicolumn{3}{|l|}{[OPC Drum Reverse Time]} \\
\hline \multirow{2}{*}{001} & All: BW & *ENG & [0 to \(200 / 50 / 10 \mathrm{msec} /\) step] \\
\hline & \multicolumn{3}{|l|}{Sets reversing time when stopping drum ( K ) / image transfer motor.} \\
\hline \multirow{2}{*}{002} & All: FC & *ENG & [0 to \(200 / 50 / 10 \mathrm{msec} /\) step] \\
\hline & \multicolumn{3}{|l|}{Sets reversing time when stopping drum (FC) motor.} \\
\hline
\end{tabular}
\begin{tabular}{|c|l|l|}
\hline \multirow{2}{*}{2903} & \multicolumn{3}{|l|}{ [Image Transfer Brake Time] } \\
\cline { 2 - 4 } & \multicolumn{3}{|l|}{ Sets braking time when stopping drum (K) / image transfer motor. } \\
\hline 003 & All & *ENG \\
[50 to \(240000 / 50 / 10 \mathrm{msec} / \mathrm{step}]\) \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{2}{*}{2904} & \multicolumn{3}{|l|}{ [Image Transfer Reverse Time \(]\)} \\
\cline { 2 - 4 } & \multicolumn{2}{|l|}{ No longer used due to hardware changes. } \\
\hline 003 & All & *ENG & [0 to \(200 / 40 / 10 \mathrm{msec} /\) step \(]\) \\
\hline
\end{tabular}
\begin{tabular}{|r|l|c|l|l|}
\hline 2905 & \multicolumn{3}{|l|}{ [Dev Rvs Time] } \\
\hline 003 & K & ENG & [0 to \(200 / 80 / 10 \mathrm{msec} /\) step]
\end{tabular}\(]\)\begin{tabular}{l} 
Reversing time of when Bk drum motor reversing; Stripes occurring when toner \\
density is high can might be solved by setting value larger.
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{2}{*}{2906} & \multicolumn{3}{|l|}{ [Drum Stop Angle] } \\
\cline { 2 - 4 } & \multicolumn{3}{|l|}{ Displays drum stopping degree. } \\
\hline 001 & Color & *ENG & {\([0\) to \(359 / 0 / 1\) deg/step \(]\)} \\
\hline 002 & Bk & *ENG & {\([0\) to \(359 / 0 / 1 \mathrm{deg} / \mathrm{ste}]\)} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{2}{*}{2907} & \multicolumn{3}{|l|}{ [ACS Setting (FC to Bk)] } \\
\cline { 2 - 4 } & Sets Bk image continues pages threshold for ACS. \\
\hline 001 & Continuous Bk Pages & *ENG & [0 to \(10 / 0 / 1\) sheet/step \(]\) \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2908} & \multicolumn{3}{|l|}{[Motor Gain Adj.]} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Sets gain of drum transfer motor \\
- 0: gain A_High gain B_High \\
- 1: gain A_High gain B_Low \\
- 2: gain A_Low gain B_High \\
- 3: gain A_Low gain B_Low
\end{tabular}} \\
\hline 001 & OPCTransferM:256mm/sec & *ENG & [0 to 3 / 0 / 1/step] \\
\hline 002 & OPCTransferMot:186mm/sec & *ENG & [0 to 3 / 2 / 1/step] \\
\hline 003 & OPCTransferMot:146mm/sec & *ENG & [0 to 3 / 1 / 1/step] \\
\hline 004 & OPCTransferM:108mm/sec & *ENG & [0 to 3 / 3 / 1/step] \\
\hline 005 & OPCTransferM:73mm/sec & *ENG & [0 to 3 / 3 / 1/step] \\
\hline \multirow[b]{2}{*}{2908} & \multicolumn{3}{|l|}{[Motor Gain Adj.]} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Sets gain of develop motor: Bk \\
- 0: Low \\
- 1:High
\end{tabular}} \\
\hline 010 & BkDevM:256mm/sec & *ENG & [0 or 1 / 1 / 1/step] \\
\hline 011 & BkDevM:186mm/sec & *ENG & [0 or 1 / 1 / 1/step] \\
\hline 012 & BkDevM:108mm/sec & *ENG & [0 or 1 / 0 / 1/step] \\
\hline 013 & BkDevM:73mm/sec & *ENG & [0 or 1 / 0 / 1/step] \\
\hline \multirow[b]{2}{*}{2908} & \multicolumn{3}{|l|}{[Motor Gain Adj.]} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Sets gain of drum motor: FC \\
- 0: Low \\
- 1:High
\end{tabular}} \\
\hline 016 & ColorOpcM:256mm/sec & *ENG & [0 or 1 / 1 / 1/step] \\
\hline 017 & ColorOpcM: \(186 \mathrm{~mm} / \mathrm{sec}\) & *ENG & [0 or 1 / 1 / 1/step] \\
\hline 018 & ColorOpcM:108mm/sec & *ENG & [0 or 1 / 0 / 1/step] \\
\hline 019 & ColorOpcM:73mm/sec & *ENG & [0 or 1 / 0 / 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2908} & \multicolumn{3}{|l|}{[Motor Gain Adj.]} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Sets gain of develop motor: FC \\
- 0: Low \\
- 1:High
\end{tabular}} \\
\hline 020 & ColorDevM: \(256 \mathrm{~mm} / \mathrm{sec}\) & *ENG & [0 or 1 / 1/1/step] \\
\hline 021 & ColorDevM: \(186 \mathrm{~mm} / \mathrm{sec}\) & *ENG & [0 or 1 / 1/1/step] \\
\hline 022 & ColorDevM:108mm/sec & *ENG & [0 or 1 / 0 / 1/step] \\
\hline 023 & ColorDevM:73mm/sec & *ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline \multirow[b]{2}{*}{2908} & \multicolumn{3}{|l|}{[Motor Gain Adj.]} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Sets gain of fusing motor. \\
- 0: Low \\
- 1: High
\end{tabular}} \\
\hline 026 & FusingM:256mm/sec & *ENG & [0 or 1 / 1 / 1/step] \\
\hline 027 & FusingM:186mm/sec & *ENG & [0 or 1 / 1 / 1/step] \\
\hline 028 & FusingM:146mm/sec & *ENG & [ 0 or 1 / 1 / 1/step] \\
\hline 029 & FusingM:108mm/sec & *ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline 030 & FusingM:73mm/sec & *ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline 2908 & [Motor Gain Adj.] & & \\
\hline \multirow[b]{2}{*}{031} & ColorOpcM: \(146 \mathrm{~mm} / \mathrm{sec}\) & *ENG & [0 or 1 / 1 / 1/step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Sets gain of drum motor: FC \\
- 0: Low \\
- 1:High
\end{tabular}} \\
\hline \multirow[b]{2}{*}{032} & ColorDevM:146mm/sec & *ENG & [0 or 1 / 1/1/step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Sets gain of develop motor: FC \\
- 0: Low \\
- 1:High
\end{tabular}} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{2}{*}{2930} & \multicolumn{3}{|l|}{ [Transfer:Bias Limiter] } \\
\cline { 2 - 4 } & \multicolumn{2}{|l|}{ Sets limiter voltage of image transfer output. } \\
\hline 001 & Bias & *ENG & [0 to \(7000 / 6000 / 10-\) V/step \(]\) \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{2}{*}{2960} & \multicolumn{2}{l|}{ [Process Interval] } \\
\cline { 2 - 4 } & \multicolumn{2}{|l|}{ Sets waiting time for till to switch to fall action after finish imaging. } \\
\hline 001 & Additional Time & *ENG & [0 to 10 / 0 / 1sec/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2974} & \multicolumn{3}{|l|}{[Trans. Contact Fgate Timing: Y ]} \\
\hline & \multicolumn{3}{|l|}{When a white horizontal stripe occurs on the first page leading edge within 10 mm or so, the cause might be form having the image transfer bias ON. In that case, with add 100 ms a step to this SP, problem will be solved. About from 100 ms or more to 500 ms will be the best.} \\
\hline 001 & Fwait:Y std & *ENG & \\
\hline 002 & Fwait:Y mid & *ENG & [0 to 3000 / 0 / 10msec/step] \\
\hline 003 & Fwait:Y low & ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 2980 & \multicolumn{3}{|l|}{[LubricantApplication Operation]} \\
\hline \multirow{2}{*}{001} & Lubricant Application Setting & *ENG & [0 to 300 / 100 / 10page/step] \\
\hline & \multicolumn{3}{|l|}{Decides whether to apply lubricant.} \\
\hline \multirow{2}{*}{002} & Idle Time: BK & *ENG & [0 to \(600 / \mathbf{3 0} / 1 \mathrm{sec} /\) step] \\
\hline & \multicolumn{3}{|l|}{Operating time for applying lubricant for Bk (s)} \\
\hline \multirow{2}{*}{003} & Idle Time: FC & *ENG & [0 to \(600 / \mathbf{3 0} / 1 \mathrm{sec} /\) step] \\
\hline & \multicolumn{3}{|l|}{Operating time for applying lubricant for FC (s)} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 2990 & \multicolumn{3}{|l|}{[Print Duty Control]} \\
\hline \multirow[t]{2}{*}{001} & Duty Control State & *ENG & \begin{tabular}{l}
[ 0 or \(1 / 0\) / 1/step] \\
0 : Non restricted \\
1: Restricted
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Displays current imaging Duty restrict status.} \\
\hline \multirow{2}{*}{002} & Exec Interval: Duty Control & *ENG & [60 to 3600 / 60 / 10sec/step] \\
\hline & \multicolumn{3}{|l|}{Sets decision time interval for to decide whether to restrict imaging Duty.} \\
\hline \multirow[t]{2}{*}{004} & \begin{tabular}{l}
Forced CPM Down Thresh: \\
No Duty Control
\end{tabular} & *ENG & [0 to 5000 / 0 / 1page/step] \\
\hline & \multicolumn{3}{|l|}{Sets force fall threshold for when imaging Duty is not restricted.} \\
\hline \multirow[t]{2}{*}{005} & Down-time_BW: No Duty Control & *ENG & [0 to 20000 / 0 / 10msec/step] \\
\hline & \multicolumn{3}{|l|}{Sets BW mode break time for when imaging Duty is not restricted.} \\
\hline \multirow[t]{2}{*}{006} & \begin{tabular}{l}
Down-time_FC: No Duty \\
Control
\end{tabular} & *ENG & [0 to 20000 / 0 / 10msec/step] \\
\hline & \multicolumn{3}{|l|}{Sets FC mode break time for when imaging Duty is not restricted.} \\
\hline \multirow[t]{2}{*}{007} & \begin{tabular}{l}
Forced CPM Down Thresh: \\
Duty Control
\end{tabular} & *ENG & [0 to 5000 / 20 / 1page/step] \\
\hline & \multicolumn{3}{|l|}{Sets force fall threshold for when imaging Duty is restricted.} \\
\hline \multirow{2}{*}{008} & Down-time_BW: Duty Control & *ENG & [0 to 240000 / 25000 / 10msec/step] \\
\hline & \multicolumn{3}{|l|}{Sets BW mode break time for when imaging Duty is restricted.} \\
\hline \multirow{2}{*}{009} & Down-time_FC: Duty Control & *ENG & [0 to 240000 / 25000 / 10msec/step] \\
\hline & \multicolumn{3}{|l|}{Sets FC mode break time for when imaging Duty is restricted.} \\
\hline \multirow{2}{*}{010} & Ambient Temp Correction Coeff & *ENG & [-1.0 to 1.0 / 0.0 / 0.1/step] \\
\hline & \multicolumn{3}{|l|}{Sets coefficient for when correcting threshold of imaging Duty control with external temperature.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{011} & Execution Temp. Threshold & *ENG & [20.0 to 70.0 / 42.0 / 0.1deg/step] \\
\hline & \multicolumn{3}{|l|}{Sets temperature threshold for to execute restricting imaging Duty. Does not execute when "0".} \\
\hline \multirow[b]{2}{*}{012} & Cancellation Temp. Threshold & *ENG & [0.1 to 20.0 / 0.1 / 0.1deg/step] \\
\hline & \multicolumn{3}{|l|}{Sets temperature threshold (differential value between imaging Duty restrict execution temperature) to call off imaging Duty restriction.} \\
\hline \multirow[t]{2}{*}{013} & ON/OFF Setting & *ENG & \begin{tabular}{l}
[0 or 1 / 1 / 1/step] \\
0 : Not execute \\
1: Execute
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Sets whether to control imaging Duty.} \\
\hline \multirow{2}{*}{014} & Duty Control_Down-time_BW & *ENG & [0 to 240000 / 0 / 10msec/step] \\
\hline & \multicolumn{3}{|l|}{Break time for BW mode of imaging Duty.} \\
\hline \multirow{2}{*}{015} & Duty Control_Down-time_FC & *ENG & [0 to 240000 / 0 / 10msec/step] \\
\hline & \multicolumn{3}{|l|}{Break time for FC mode of imaging Duty.} \\
\hline
\end{tabular}

\subsection*{2.5 MAIN SP TABLES-3}

\subsection*{2.5.1 SP3-XXX (PROCESS)}
\begin{tabular}{|c|c|c|c|}
\hline 3011 & \multicolumn{3}{|l|}{[Manual ProCon :Exe]} \\
\hline \multirow[t]{2}{*}{001} & Normal ProCon & ENG & [0 or \(1 / 0 / 1 /\) step] [Execute] \\
\hline & \multicolumn{3}{|l|}{Executes Pro-Con.} \\
\hline \multirow[t]{2}{*}{002} & Density Adjustment & ENG & [ 0 or \(1 / 0 / 1 /\) step] [Execute] \\
\hline & \multicolumn{3}{|l|}{Executes toner density adjusting Pro-Con.} \\
\hline \multirow[t]{2}{*}{003} & ACC RunTime ProCon & ENG & [0 or 1 / 0 / 1/step] [Execute] \\
\hline & \multicolumn{3}{|l|}{Executes pre-ACC Pro-Con.} \\
\hline \multirow[t]{2}{*}{004} & Full MUSIC & ENG & [0 or \(1 / 0 / 1 /\) step] [Execute] \\
\hline & \multicolumn{3}{|l|}{Executes Pro-Con / full MUSIC.} \\
\hline \multirow[t]{2}{*}{005} & Normal MUSIC & ENG & [ 0 or \(1 / 0 / 1 /\) step] [Execute] \\
\hline & \multicolumn{3}{|l|}{Executes Pro-Con / normal MUSIC.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{3012} & \multicolumn{3}{|l|}{[ProCon OK?]} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
2 digits per color from left, in the order of YMCK \\
*Refer to below for execution result content.
\end{tabular}} \\
\hline \multirow{2}{*}{001} & History:Last(Front) & *ENG & [0 to 99999999 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Displays latest Pro-Con execution result.} \\
\hline \multirow{2}{*}{002} & History:Last 2(Front) & *ENG & [0 to 99999999 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Displays Pro-Con execution result for the time before last.} \\
\hline \multirow{2}{*}{003} & History:Last 3(Front) & *ENG & [0 to 99999999 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Displays Pro-Con execution result for 3 times before.} \\
\hline \multirow{2}{*}{004} & History:Last 4(Front) & *ENG & [0 to 99999999 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Displays Pro-Con execution result for 4 times before.} \\
\hline \multirow{2}{*}{005} & History:Last 5(Front) & *ENG & [0 to 99999999 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Displays Pro-Con execution result for 5 times before.} \\
\hline \multirow{2}{*}{006} & History:Last 6(Front) & *ENG & [0 to 99999999 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Displays Pro-Con execution result for 6 times before.} \\
\hline \multirow{2}{*}{007} & History:Last 7(Front) & *ENG & [0 to 99999999 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Displays Pro-Con execution result for 7 times before.} \\
\hline \multirow{2}{*}{008} & History:Last 8(Front) & *ENG & [0 to 99999999 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Displays Pro-Con execution result for 8 times before.} \\
\hline \multirow{2}{*}{009} & History:Last 9(Front) & *ENG & [0 to 99999999 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Displays Pro-Con execution result for 9 times before.} \\
\hline \multirow{2}{*}{010} & History:Last 10(Front) & *ENG & [0 to 99999999 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Displays Pro-Con execution result for 10 times before.} \\
\hline \multirow{2}{*}{011} & History:Last(Center) & *ENG & [0 to 99999999 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Displays latest Pro-Con execution result.} \\
\hline
\end{tabular}
\begin{tabular}{|c|l|l|l|}
\hline \multirow{2}{*}{012} & History:Last 2(Center) & *ENG & [0 to 99999999 / 0 / 1/step] \\
\cline { 2 - 4 } & \multicolumn{2}{|l|}{ Displays Pro-Con execution result for 2 times before. } \\
\hline \multirow{2}{*}{013} & History:Last 3(Center) & *ENG & [0 to 99999999 / 0 / 1/step] \\
\cline { 2 - 4 } & Displays Pro-Con execution result for 3 times before. \\
\hline \multirow{3}{|l|}{} & History:Last 4(Center) & *ENG & [0 to 99999999 / 0 / 1/step] \\
\cline { 2 - 4 } & \multicolumn{3}{|l|}{ Displays Pro-Con execution result for 4 times before. } \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{015} & History:Last 5(Center) & *ENG & [0 to 99999999 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Displays Pro-Con execution result for 5 times before.} \\
\hline \multirow{2}{*}{016} & History:Last 6(Center) & *ENG & [0 to 99999999 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Displays Pro-Con execution result for 6 times before.} \\
\hline \multirow{2}{*}{017} & History:Last 7(Center) & *ENG & [0 to 99999999 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Displays Pro-Con execution result for 7 times before.} \\
\hline \multirow{2}{*}{018} & History:Last 8(Center) & *ENG & [0 to 99999999 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Displays Pro-Con execution result for 8 times before.} \\
\hline \multirow{2}{*}{019} & History:Last 9(Center) & *ENG & [0 to 99999999 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Displays Pro-Con execution result for 9 times before.} \\
\hline \multirow{2}{*}{020} & History:Last 10(Center) & *ENG & [0 to 99999999 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Displays Pro-Con execution result for 10 times before.} \\
\hline \multirow{2}{*}{021} & History:Last(Rear) & *ENG & [0 to 99999999 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Displays latest Pro-Con execution result.} \\
\hline \multirow{2}{*}{022} & History:Last 2(Rear) & *ENG & [0 to 99999999 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Displays Pro-Con execution result for the time before last.} \\
\hline \multirow{2}{*}{023} & History:Last 3(Rear) & *ENG & [0 to 99999999 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Displays Pro-Con execution result for 3 times before.} \\
\hline \multirow{2}{*}{024} & History:Last 4(Rear) & *ENG & [0 to 99999999 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Displays Pro-Con execution result for 4 times before.} \\
\hline \multirow{2}{*}{025} & History:Last 5(Rear) & *ENG & [0 to 99999999 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Displays Pro-Con execution result for 5 times before.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{026} & History:Last 6(Rear) & *ENG & [0 to 99999999 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Displays Pro-Con execution result for 6 times before.} \\
\hline \multirow{2}{*}{027} & History:Last 7(Rear) & *ENG & [0 to 99999999 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Displays Pro-Con execution result for 7 times before.} \\
\hline \multirow{2}{*}{028} & History:Last 8(Rear) & *ENG & [0 to 99999999 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Displays Pro-Con execution result for 8 times before.} \\
\hline \multirow{2}{*}{029} & History:Last 9(Rear) & *ENG & [0 to 99999999 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Displays Pro-Con execution result for 9 times before.} \\
\hline \multirow{2}{*}{030} & History:Last 10(Rear) & *ENG & [0 to 99999999 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Displays Pro-Con execution result for 10 times before.} \\
\hline
\end{tabular}
*SP3-012 Display result detail
\begin{tabular}{|c|c|c|c|}
\hline Category & Code & Result name & Description \\
\hline 00 and lager & 00 & Not executed & Factory default setting(SP default) \\
\hline \begin{tabular}{l}
10 and lager \\
Result(Normal)
\end{tabular} & 11 & Succeed & - \\
\hline \multirow{6}{*}{\begin{tabular}{l}
20 and lager \\
ID Sensor
\end{tabular}} & 21 & ID Sensor Vsg adjust error & Out of range from Vsg=4.0 \(\pm x . x[V /\) step] \\
\hline & 22 & ID Sensor LED Adjust error & Ifsg>Max \\
\hline & 23 & ID Sensor Output error(Positive reflect) & Vsg_reg<Min(Max) \\
\hline & 24 & ID Sensor output error(Diffusion reflect) & Vsg_dif<Min(Max) \\
\hline & 25 & ID Sensor offset Voltage error(Positive reflect) & Voffset_reg>Max \\
\hline & 26 & ID Sensor offset Voltage error(Diffusion reflect) & Voffset_dif>Max \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{11}{*}{\begin{tabular}{l}
45 and lager \\
ID Pattern detect
\end{tabular}} & 45 & ID Pattern extract error & Can not detect ID Pattern \\
\hline & 50 & Vmin_Bk/K2 error(Max) & K:Vmin_Bk / CMY:K2>Max \\
\hline & 51 & Vmin_Bk/K2 error(Min) & K:Vmin_Bk / CMY:K2<Min \\
\hline & 52 & K5 error(Max) & K5>Max \\
\hline & 53 & K5 error(Min) & K5<Min \\
\hline & 54 & K5 calculated approximate point error & K5 calculated approximate point <Min \\
\hline & 55 & Develop gamma error(Max) & Develop gamma >Max \\
\hline & 56 & Develop gamma error(Min) & Develop gamma <Min \\
\hline & 57 & Start developing voltage:Vk error(Max) & Start developing voltage:Vk>Max \\
\hline & 58 & Start developing voltage:Vk error(Min) & Start developing voltage:Vk<Min \\
\hline & 59 & Not enough valid data & Adhesion amount data for develop gamma calculation point is under 2 \\
\hline \multirow{4}{*}{\begin{tabular}{l}
60 and lager \\
Potential adjust
\end{tabular}} & 61 & LD won't light & \(P\) patter is not written. \\
\hline & 62 & Residual potential:Vr error & Vr>Max \\
\hline & 63 & Electrified potential:Vd adjust error & Vd can not be adjusted in target range. \\
\hline & 64 & Exposure potential:Vpl adjust error & Vpl can not be adjusted in target range \\
\hline \multirow[b]{2}{*}{\begin{tabular}{l}
90 and lager \\
Result(End)
\end{tabular}} & 90 & Potential not adjust & Potential control method is set as [0:FIX] \\
\hline & 99 & Kill & \begin{tabular}{l}
Kill by door open, power off, error. \\
(Set when execute.)
\end{tabular} \\
\hline
\end{tabular}

\section*{(V) Note}
- Execute result sample (In order of YMCK from left)
- Factory default(SP default):[00,00,00,00]
- Starting adjust:[99,99,99,99]
- Fail Vsg adjust(Y):[21,99,99,99]
- Error of Develop gamma Max(C):[99,99,55,99]
- Succeed:[11,11,11,11]
\begin{tabular}{|r|l|c|}
\hline \multirow{2}{*}{3014} & \multicolumn{2}{|l|}{ [IBACC OK?] } \\
\cline { 2 - 3 } & \multicolumn{2}{|l|}{ Displays latest IBACC execution result. } \\
\hline 001 & History:Last & *ENG \\
\hline 002 & History:Last 2 & *ENG \\
\hline 003 & History:Last 3 & *ENG \\
\hline 004 & History:Last 4 & *ENG \\
\hline 005 & History:Last 5 & *ENG \\
\hline 006 & History:Last 6 to 9999 / 0 / 1/step] \\
\hline 007 & History:Last 7 & *ENG \\
\hline 008 & History:Last 8 & *ENG \\
\hline 009 & History:Last 9 & *ENG \\
\hline 010 & History:Last 10 & *ENG \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 3030 & \multicolumn{3}{|l|}{[Init TD Sensor :Exe]} \\
\hline \multirow[t]{2}{*}{001} & Execute: ALL & ENG & [ 0 or \(1 / 0 / 1 /\) step] [Execute] \\
\hline & \multicolumn{3}{|l|}{Executes TD sensor initial setting for all colors.} \\
\hline \multirow[t]{2}{*}{002} & Execute: Col & ENG & \begin{tabular}{l}
[ 0 or \(1 / 0 / 1 /\) step] \\
[Execute]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Executes TD sensor initial setting only for chromatic 3 colors.} \\
\hline 003 & Execute: K & ENG & [ 0 or \(1 / 0 / 1 /\) step] [Execute] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline & \multicolumn{3}{|l|}{Executes TD sensor initial setting for only (K).} \\
\hline \multirow[t]{2}{*}{004} & Execute: C & ENG & [0 or \(1 / 0 / 1 /\) step] [Execute] \\
\hline & \multicolumn{3}{|l|}{Executes TD sensor initial setting for only (C).} \\
\hline \multirow[t]{2}{*}{005} & Execute: M & ENG & [0 or \(1 / 0 / 1 /\) step] [Execute] \\
\hline & \multicolumn{3}{|l|}{Executes TD sensor initial setting for only (M).} \\
\hline \multirow[t]{2}{*}{006} & Execute: Y & ENG & [ 0 or \(1 / 0\) / 1/step] [Execute] \\
\hline & \multicolumn{3}{|l|}{Executes TD sensor initial setting for only (Y).} \\
\hline \multirow{2}{*}{020} & Agitatiton Time & *ENG & [0 to \(200 / 30 / 1 \mathrm{sec} /\) step] \\
\hline & \multicolumn{3}{|l|}{Sets developing powder stirring time for when TD sensor's setting is in initial.} \\
\hline \multirow{2}{*}{021} & Initial TC & *ENG & [1.0 to 15.0 / 7.0 / 0.1wt\%/step] \\
\hline & \multicolumn{3}{|l|}{Sets toner density for initial chemical.} \\
\hline \multirow{2}{*}{031} & Vt Target:K & *ENG & [ 0.00 to 5.00 / 2.50 / 0.01V/step] \\
\hline & \multicolumn{3}{|l|}{Sets Vt target value ( K ) for when TD sensor's setting is in initial.} \\
\hline \multirow{2}{*}{032} & Vt Target: \({ }^{\text {c }}\) & *ENG & [ 0.00 to \(5.00 / 2.50\) / 0.01V/step] \\
\hline & \multicolumn{3}{|l|}{Sets Vt target value (C) for when TD sensor's setting is in initial.} \\
\hline \multirow{2}{*}{033} & Vt Target:M & *ENG & [ 0.00 to \(5.00 / 2.50\) / 0.01V/step] \\
\hline & \multicolumn{3}{|l|}{Sets Vt target value ( \(M\) ) for when TD sensor's setting is in initial.} \\
\hline \multirow{2}{*}{034} & Vt Target:Y & *ENG & [0.00 to 5.00 / 2.50 / 0.01V/step] \\
\hline & \multicolumn{3}{|l|}{Sets Vt target value ( \(M\) ) for when TD sensor's setting is in initial.} \\
\hline \multirow{2}{*}{041} & Vt Target Corr:K & *ENG & [ 0.00 to 2.55 / 0.00 / 0.01V/step] \\
\hline & \multicolumn{3}{|l|}{Sets metachronic correcting amount ( K ) for when TD sensor's setting is in initial} \\
\hline \multirow[b]{2}{*}{042} & Vt Target Corr: \({ }^{\text {C }}\) & *ENG & [ 0.00 to 2.55 / 0.00 / 0.01V/step] \\
\hline & \multicolumn{3}{|l|}{Sets metachronic correcting amount (C) for when TD sensor's setting is in initial.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{043} & Vt Target Corr:M & *ENG & [0.00 to 2.55 / 0.00 / 0.01V/step] \\
\hline & \multicolumn{3}{|l|}{Sets metachronic correcting amount ( \(M\) ) for when TD sensor's setting is in initial.} \\
\hline \multirow{2}{*}{044} & Vt Target Corr:Y & *ENG & [0.00 to 2.55 / 0.00 / 0.01V/step] \\
\hline & \multicolumn{3}{|l|}{Sets metachronic correcting amount (Y) for when TD sensor's setting is in initial.} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|c|l|}
\hline 3031 & \multicolumn{3}{|l|}{ [TD Sens Init OK?] } \\
\hline \multirow{2}{*}{001} & From Left:YMCK & ENG & [0 to 9999 / 0 / 1/step] \\
\cline { 2 - 4 } & Displays execution result of TD sensor initial setting. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 3050 & \multicolumn{3}{|l|}{[Force Tnr Supply :Exe]} \\
\hline \multirow[t]{2}{*}{001} & Execute: ALL & ENG & [0 or 1 / 0 / 1/step] [Execute] \\
\hline & \multicolumn{3}{|l|}{Forcedly supply toner (all colors)} \\
\hline \multirow[t]{2}{*}{002} & Execute: Col & ENG & [0 or 1 / 0 / 1/step] [Execute] \\
\hline & \multicolumn{3}{|l|}{Forcedly supply toner (only CMY)} \\
\hline \multirow[t]{2}{*}{003} & Execute: K & ENG & \begin{tabular}{l}
[0 or 1 / 0 / 1/step] \\
[Execute]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Forcedly supply toner (only K)} \\
\hline \multirow[t]{2}{*}{004} & Execute: C & ENG & [0 or 1 / 0 / 1/step] [Execute] \\
\hline & \multicolumn{3}{|l|}{Forcedly supply toner (only C)} \\
\hline \multirow[t]{2}{*}{005} & Execute: M & ENG & [0 or 1 / 0 / 1/step] [Execute] \\
\hline & \multicolumn{3}{|l|}{Forcedly supply toner (only M)} \\
\hline \multirow[t]{2}{*}{006} & Execute: Y & ENG & [0 or 1 / 0 / 1/step] [Execute] \\
\hline & \multicolumn{3}{|l|}{Forcedly supply toner (only Y )} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 3050 & \multicolumn{3}{|l|}{[Force Tnr Supply :Exe]} \\
\hline \multirow{2}{*}{021} & Supply Quantity:K & *ENG & [0.0 to 5.0 / 0.5 / 0.1wt\%/step] \\
\hline & \multicolumn{3}{|l|}{Sets the amount [wt\%/step] to supply toner (K) with Force toner supply.} \\
\hline \multirow{2}{*}{022} & Supply Quantity:C & *ENG & [0.0 to 5.0 / 0.5 / 0.1wt\%/step] \\
\hline & \multicolumn{3}{|l|}{Sets the amount [wt\%/step] to supply toner (C) with Force toner supply.} \\
\hline \multirow{2}{*}{023} & Supply Quantity:M & *ENG & [0.0 to 5.0 / 0.5 / 0.1wt\%/step] \\
\hline & \multicolumn{3}{|l|}{Sets the amount [wt\%/step] to supply toner (M) with Force toner supply.} \\
\hline \multirow{2}{*}{024} & Supply Quantity:Y & *ENG & [0.0 to 5.0 / 0.5 / 0.1wt\%/step] \\
\hline & \multicolumn{3}{|l|}{Sets the amount [wt\%/step] to supply toner ( Y ) with Force toner supply.} \\
\hline \multirow{2}{*}{031} & ON Time & *ENG & [10 to 1000 / 200 / 1msec/step] \\
\hline & \multicolumn{3}{|l|}{Sets supply ON time for 1time of force toner supplying process routine.} \\
\hline \multirow{2}{*}{032} & OFF Time & *ENG & [0 to 1000 / 100 / 1msec/step] \\
\hline & \multicolumn{3}{|l|}{Sets supply OFF time for 1 time of force toner supplying process routine.} \\
\hline \multirow{2}{*}{033} & RepeatCount & *ENG & [0 to 255 / 8 / 1times/step] \\
\hline & \multicolumn{3}{|l|}{Sets repeating times for 1time of force toner supplying process routine.} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline 3072 & \multicolumn{2}{|l|}{\begin{tabular}{|l|l|} 
[T Sensor: Check] & \begin{tabular}{l} 
Executes testing mode to test TD sensor's output (Vt) without stating up the \\
engine.
\end{tabular} \\
\hline 001 & Execute Check
\end{tabular} \begin{tabular}{l}
{\([0\) or \(1 / 0 / 1 /\) step \(]\)} \\
[Execute]
\end{tabular}} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|r|l|}
\hline \multirow{2}{*}{3073} & \multicolumn{3}{|l|}{ [T Sensor Measurement Value:] } \\
\cline { 2 - 3 } & \multicolumn{2}{|l|}{ Displays output test value of TD sensor. } \\
\hline 001 & Vt:K & *ENG & \\
\hline 002 & Vt:C & *ENG & \multirow{2}{*}{ [0.00 to \(5.50 / 0.00 / 0.01 \mathrm{~V} /\) step \(]\)} \\
\hline 003 & Vt:M & *ENG & \\
\hline 004 & Vt:Y & *ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 3100 & [Tonner End & & \\
\hline \multirow[b]{2}{*}{001} & ON/OFF & *ENG & [ 0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Whether to decide NE/TE. \\
0: Enable \\
1: Disable
\end{tabular}} \\
\hline \multirow[b]{2}{*}{002} & NE Detection & *ENG & [0 or 1 / 0 / 1/step] \\
\hline & \begin{tabular}{l}
NE decision \(m\) \\
0: Counter \& \\
1: Toner End
\end{tabular} & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline & \multicolumn{3}{|l|}{[Toner Status :Disp]} \\
\hline & \multicolumn{3}{|l|}{Displays remaining toner.} \\
\hline 001 & K & ENG & \multirow{4}{*}{\[
\begin{aligned}
& {[0 \text { to } 10 / 10 / 1 / \text { step }]} \\
& \text { 10: Full } \\
& \text { 1: Near end } \\
& \text { 0: Toner end }
\end{aligned}
\]} \\
\hline 002 & C & ENG & \\
\hline 003 & M & ENG & \\
\hline 004 & Y & ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{3102} & \multicolumn{3}{|l|}{[Toner Remain:Disp]} \\
\hline & \multicolumn{3}{|l|}{Remaining toner calculated form motor running time.} \\
\hline 001 & Bottle Motor: Bk & *ENG & [0.000 to 700.000 / 560.000 / 0.001g] \\
\hline 002 & Bottle Motor: C & *ENG & \multirow{3}{*}{\[
\begin{aligned}
& {[0.000 \text { to } 700.000 / 440.000 /} \\
& 0.001 \mathrm{~g}]
\end{aligned}
\]} \\
\hline 003 & Bottle Motor: M & *ENG & \\
\hline 004 & Bottle Motor: Y & *ENG & \\
\hline \multirow{2}{*}{3102} & \multicolumn{3}{|l|}{[Toner Remain:Disp]} \\
\hline & \multicolumn{3}{|l|}{Remaining toner calculated from imaging size.} \\
\hline 011 & Pixel: Bk & *ENG & [0.000 to 700.000 / 560.000 /
0.001g] \\
\hline 012 & Pixel: C & *ENG & \multirow{3}{*}{\([0.000\) to \(700.000 / 440.000 /\)
\(0.001 \mathrm{~g}]\)} \\
\hline 013 & Pixel: M & *ENG & \\
\hline 014 & Pixel: \(Y\) & *ENG & \\
\hline \multirow{2}{*}{3102} & \multicolumn{3}{|l|}{[Toner Remaining: Display]} \\
\hline & \multicolumn{3}{|l|}{Filler content of new bottle.} \\
\hline 021 & Fill Amount: Bk & *ENG & [0 to \(600 / 560 / 1 \mathrm{~g} /\) step] \\
\hline 022 & Fill Amount: C & *ENG & \multirow{3}{*}{[0 to \(600 / 440 / 1 \mathrm{~g} / \mathrm{step}\) ]} \\
\hline 023 & Fill Amount: M & *ENG & \\
\hline 024 & Fill Amount: Y & *ENG & \\
\hline \multirow{2}{*}{3102} & \multicolumn{3}{|l|}{[Toner Remain:Disp]} \\
\hline & \multicolumn{3}{|l|}{Consumption amount of toner.} \\
\hline 031 & \begin{tabular}{l}
Pixel: Toner Consumption x 2 : \\
C
\end{tabular} & *ENG & \multirow{2}{*}{[0.000 to 1000.000 / \(0.000 / 0.001 \mathrm{~g}\) ]} \\
\hline 032 & \begin{tabular}{l}
Pixel: Toner Consumption x 2: \\
Bk
\end{tabular} & *ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|}
\hline 033 & \begin{tabular}{l}
Pixel: Toner Consumption x 2 : \\
M
\end{tabular} & *ENG & & \\
\hline 034 & Pixel: Toner Consumption x 2: Y & *ENG & & \\
\hline 041 & \begin{tabular}{l}
Drive Motor: Toner \\
Consumption x 1: Bk
\end{tabular} & *ENG & & \\
\hline 042 & \begin{tabular}{l}
Drive Motor: Toner \\
Consumption x 1: C
\end{tabular} & *ENG & & \\
\hline 043 & Drive Motor: Toner Consumption x 1: M & *ENG & & \\
\hline 044 & Drive Motor: Toner Consumption \(\times 1\) : Y & *ENG & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{3103} & \multicolumn{3}{|l|}{[Bottle Off Time]} \\
\hline & \multicolumn{3}{|l|}{-} \\
\hline 001 & Bk & *ENG & \multirow{4}{*}{[0 to 4294967295 / 0 / 1/step]} \\
\hline 002 & C & *ENG & \\
\hline 003 & M & *ENG & \\
\hline 004 & Y & *ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{3104} & \multicolumn{3}{|l|}{[Flag: Display]} \\
\hline & \multicolumn{3}{|l|}{Sets flag when replacing toner bottle.} \\
\hline 001 & NE Toner: Bk & *ENG & \\
\hline 002 & NE Toner: C & *ENG & \\
\hline 003 & NE Toner: M & *ENG & \\
\hline 004 & NE Toner: Y & *ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{3104} & \multicolumn{3}{|l|}{[Flag: Display]} \\
\hline & \multicolumn{3}{|l|}{Sets Flag when Vt ends.} \\
\hline 011 & Vt end:Bk & *ENG & \multirow{4}{*}{[0 or 1 / 0 / 1/step]} \\
\hline 012 & Vt end: \(C\) & *ENG & \\
\hline 013 & Vt end:M & *ENG & \\
\hline 014 & Vt end:Y & *ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{3110} & \multicolumn{3}{|l|}{[Near End Thresh]} \\
\hline & \multicolumn{3}{|l|}{-} \\
\hline 001 & Bk & *ENG & [0 to \(500 / 25 / 1 \mathrm{~g} /\) step] \\
\hline 002 & C & *ENG & \multirow{3}{*}{[0 to 500 / 15 / 1g/step]} \\
\hline 003 & M & *ENG & \\
\hline 004 & Y & *ENG & \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline 3111 & \multicolumn{3}{|l|}{ [Pixel NE: M/A] } \\
\cline { 2 - 4 } & \multicolumn{2}{|l|}{} \\
\hline 001 & Bk & *ENG & \begin{tabular}{l}
{\([0\) to \(1000 / 411 /\)} \\
\(0.001 \mathrm{mg} / \mathrm{cm} 2 / \mathrm{step}]\)
\end{tabular} \\
\hline 002 & C & *ENG & \begin{tabular}{l}
{\([0\) to \(1000 / 444 /\)} \\
\(0.001 \mathrm{mg} / \mathrm{cm} 2 / \mathrm{step}]\)
\end{tabular} \\
\hline 003 & M & *ENG & \begin{tabular}{l}
{\([0\) to \(1000 / 500 /\)} \\
\(0.001 \mathrm{mg} / \mathrm{cm} 2 / \mathrm{step}]\)
\end{tabular} \\
\hline 004 & Y & \begin{tabular}{l}
{\([0\) to \(1000 / 444 /\)} \\
\(0.001 \mathrm{mg} / \mathrm{cm} 2 / \mathrm{step}]\)
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|c|l|}
\hline \multirow{2}{*}{3120} & \multicolumn{3}{|l|}{ [TE Sn Detect Thresh] } \\
\cline { 2 - 3 } & - & \multicolumn{2}{|l|}{} \\
\hline 001 & Bk & *ENG & \\
\hline 002 & C & *ENG & \multirow{3}{*}{ [0 to \(100 / 50 / 1 \% /\) step \(]\)} \\
\hline 003 & M & *ENG & \\
\hline 004 & \(Y\) & *ENG & \\
\hline
\end{tabular}
\begin{tabular}{|r|l|c|l|}
\hline \multirow{2}{*}{3121} & \multicolumn{3}{|l|}{ [TE Counter: Disp] } \\
\cline { 2 - 3 } & \multicolumn{2}{|l|}{ No toner decision times from end sensor. } \\
\hline 001 & Bk & *ENG & \\
\hline 002 & C & *ENG & \multirow{4}{*}{ [0 to \(99 / 0 / 1\) times/step] } \\
\hline 003 & M & *ENG & \\
\hline 004 & \(Y\) & *ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{3122} & \multicolumn{3}{|l|}{[TE Sn NE Thresh]} \\
\hline & \multicolumn{3}{|l|}{-} \\
\hline 001 & Bk & *ENG & \\
\hline 002 & C & *ENG & \\
\hline 003 & M & *ENG & \\
\hline 004 & Y & *ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 3131 & \multicolumn{3}{|l|}{[Vt TE Thresh]} \\
\hline \multirow{2}{*}{001} & Delta Vt Thresh & *ENG & [0.00 to \(5.00 / 0.50\) / 0.01V/step] \\
\hline & \multicolumn{3}{|l|}{Threshold to start adding delta Vt after NE.} \\
\hline & Delta Vt Sum Thresh & *ENG & [0 to 99 / 10 / 1V/step] \\
\hline & \multicolumn{3}{|l|}{Threshold to decide TE after NE.} \\
\hline \multirow{2}{*}{011} & Delta Vt Thresh BF NE & *ENG & [0.00 to \(5.00 / 0.50 / 0.01 \mathrm{~V} /\) step] \\
\hline & \multicolumn{3}{|l|}{Threshold to start adding delta Vt before NE.} \\
\hline \multirow{2}{*}{012} & Delta Vt Sum Thresh BF NE & *ENG & [0 to 99 / 10 / 1V/step] \\
\hline & \multicolumn{3}{|l|}{Threshold to decide TE before NE.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{3132} & \multicolumn{3}{|l|}{[Delta Vt Sum]} \\
\hline & \multicolumn{3}{|l|}{Added value of delta Vt .} \\
\hline 001 & Bk & *ENG & \multirow{4}{*}{[0.00 to 99.00 / 0.00 / 0.01V/step]} \\
\hline 002 & C & *ENG & \\
\hline 003 & M & *ENG & \\
\hline 004 & Y & *ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 3133 & \multicolumn{3}{|l|}{[TE Detect : Set]} \\
\hline \multirow{2}{*}{001} & Set Sheets(Min) & *ENG & [0 to 50/10 / 1sheet/step] \\
\hline & \multicolumn{3}{|l|}{Sets min. assured sheets to display toner end after toner near end is fixed.} \\
\hline \multirow{2}{*}{002} & Set Sheets(Max) & *ENG & [0 to 5000 / 1000 / 1sheet/step] \\
\hline & \multicolumn{3}{|l|}{Sets max. assured sheets to display toner end after toner near end is fixed.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{3133} & \multicolumn{3}{|l|}{[TE Detect :Set]} \\
\hline & \multicolumn{3}{|l|}{Displays the amount of sheets printed after toner near end is fixed.} \\
\hline 011 & Page Cnt:K & *ENG & \multirow{4}{*}{[0 to 5000 / 0 / 1sheet/step]} \\
\hline 012 & Page Cnt:C & *ENG & \\
\hline 013 & Page Cnt:M & *ENG & \\
\hline 014 & Page Cnt:Y & *ENG & \\
\hline \multirow[b]{2}{*}{3133} & \multicolumn{3}{|l|}{[TE Detect :Set]} \\
\hline & \multicolumn{3}{|l|}{Sets dimension (cm2) in terms of blotted out A4 sized sheet to decide as toner end after near toner end is fixed.} \\
\hline 021 & Set Pxl Cnt & *ENG & [0 to 1000000 / 7000 / 1cm2/step] \\
\hline \multirow{2}{*}{3133} & \multicolumn{3}{|l|}{[TE Detect :Set]} \\
\hline & \multicolumn{3}{|l|}{Displays the amount used with dimension (cm2) in terms of blotted out.} \\
\hline 031 & Pxl Cnt:K & *ENG & \multirow{4}{*}{[0 to 1000000 / 0 / 1cm2/step]} \\
\hline 032 & Pxl Cnt:C & *ENG & \\
\hline 033 & Pxl Cnt:M & *ENG & \\
\hline 034 & Pxl Cnt:Y & *ENG & \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline 3150 & \multicolumn{3}{|l|}{ [TE Sensor :Set] } \\
\hline \multirow{3}{*}{001} & SamplingCount & *ENG & [4 to \(20 / \mathbf{1 0} / 1\) counts/step] \\
\cline { 2 - 4 } & Sets arrangement size of TE sensor. \\
\hline \multirow{3}{*}{002} & Judge:p & *ENG & [0.2 to \(1.0 / \mathbf{0 . 8} / 0.1 /\) step \(]\) \\
\cline { 2 - 4 } & \multicolumn{2}{|l|}{ Sets threshold for to decide toner existing.. } \\
\hline
\end{tabular}
\begin{tabular}{|r|l|c|l|}
\hline \multirow{2}{*}{3150} & \multicolumn{3}{|l|}{ [T TE Sensor :Set] } \\
\cline { 2 - 3 } & \multicolumn{2}{|l|}{ Percentage for "No remaining toner" of storing arrangement. } \\
\hline 003 & result:K & \multirow{2}{*|}{ *ENG } & \\
\hline 004 & result:C & *ENG & \multirow{2}{*}{ [0.0 to 0.1 / 0.5 / 0.1/step] } \\
\hline 005 & result:M & *ENG & \\
\hline 006 & result:Y & *ENG & \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline 3160 & \multicolumn{3}{l|}{ [Bottle Drive :Set] } \\
\cline { 2 - 4 } & \multicolumn{3}{|l|}{ Select bottle driving method. } \\
\hline 001 & Bottle Drive System & *ENG & \begin{tabular}{l} 
[0 or 1/0 / 1/step] \\
0: TE Sensor Control \\
1: TonerSupplyMotor Track Control
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline \multirow{2}{*}{3161} & \multicolumn{2}{|l|}{[Bottle Drive :Set]} \\
\hline & - & \\
\hline 001 & Drive ON Time:K & \multirow{4}{*}{[0 to 2000 / 900 / 100msec/step]} \\
\hline 002 & Drive ON Time: C & \\
\hline 003 & Drive ON Time:M & \\
\hline 004 & Drive ON Time: \(Y\) & \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{3}{*}{3162} & \multicolumn{3}{|l|}{ [Bottle Drive :Set] } \\
\hline & - & & \\
\hline 001 & Drive OFF Time:K & & \\
\hline 002 & Drive OFF Time:C & & \multirow{3}{|l|}[0\text{to}5000/100/100\mathrm{msec}/\text{step}]{} \\
\hline 003 & Drive OFF Time:M & & \\
\hline 004 & Drive OFF Time:Y & & \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{2}{*}{3165} & \multicolumn{3}{|l|}{ [Hopper Drive :Set] } \\
\cline { 2 - 3 } & - & & \\
\hline 001 & Speed Adjustment:K & & \\
\hline 002 & Speed Adjustment:C to \(50 / \mathbf{1 8} / 1 \% /\) step \(]\) \\
\hline 003 & Speed Adjustment:M & & {\([-58\) to \(50 / \mathbf{4 0} / 1 \% /\) step \(]\)} \\
\hline 004 & Speed Adjustment:Y & & {\([-58\) to \(50 / \mathbf{1 8} / 1 \% /\) step \(]\)} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{3200} & \multicolumn{3}{|l|}{[TnrDensity]} \\
\hline & \multicolumn{3}{|l|}{Displays toner density (wt\%).} \\
\hline 001 & K & *ENG & \multirow{4}{*}{[0 to 25.5 / 0 / 0.1 wt\%/step]} \\
\hline 002 & C & *ENG & \\
\hline 003 & M & *ENG & \\
\hline 004 & Y & *ENG & \\
\hline
\end{tabular}
\begin{tabular}{|r|l|c|l|}
\hline \multirow{2}{*}{3201} & \multicolumn{3}{|l|}{ [TnrDensity] } \\
\cline { 2 - 4 } & Sets min./max. density (wt\%) & for toner density controlling range. \\
\hline 001 & Upper TC & *ENG & {\([1.0\) to \(15.0 / \mathbf{9 . 0} / 0.1 \mathrm{wt} \% /\) step \(]\)} \\
\hline 002 & Lower TC & *ENG & {\([1.0\) to \(15.0 / \mathbf{2 . 0} / 0.1 \mathrm{wt} \% /\) step \(]\)} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline & \multicolumn{3}{|l|}{[TD.Sens Sensitivity]} \\
\hline 3205 & \multicolumn{3}{|l|}{Displays TD sensor sensitivity HL calculated from test value of HST density control (SP3-711 to 714-***)} \\
\hline 001 & HL:K & *ENG & \multirow{4}{*}{[0.200 to 1.000 / 0.350 / 0.001-V/wt\%/step]} \\
\hline 002 & HL:C & *ENG & \\
\hline 003 & HL:M & *ENG & \\
\hline 004 & HL:Y & *ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{3205} & \multicolumn{3}{|l|}{[TD.Sens Sensitivity]} \\
\hline & \multicolumn{3}{|l|}{Displays TD sensor sensitivity HM calculated from test value of HST density control (SP3-711 to 714-***)} \\
\hline 011 & HM:K & *ENG & \multirow{4}{*}{\([0.200\) to \(1.000 / 0.350 /\)
\(0.001-\mathrm{V} / \mathrm{wt} \% /\) step \(]\)} \\
\hline 012 & HM:C & *ENG & \\
\hline 013 & HM:M & *ENG & \\
\hline 014 & HM:Y & *ENG & \\
\hline \multirow[b]{2}{*}{3205} & \multicolumn{3}{|l|}{[TD.Sens Sensitivity]} \\
\hline & \multicolumn{3}{|l|}{Displays TD sensor sensitivity ML calculated from test value of HST density control (SP3-711 to 714-***)} \\
\hline 021 & ML:K & *ENG & \multirow{4}{*}{\begin{tabular}{l}
[0.200 to 1.000 / 0.350 / \\
0.001-V/wt\%/step]
\end{tabular}} \\
\hline 022 & ML:C & *ENG & \\
\hline 023 & ML:M & *ENG & \\
\hline 024 & ML:Y & *ENG & \\
\hline 3205 & \multicolumn{3}{|l|}{[TD.Sens Sensitivity]} \\
\hline \multirow[t]{2}{*}{031} & Upper Limit & *ENG & \begin{tabular}{l}
[0.200 to 0.500 / 0.440 / \\
0.001-V/wt\%/step]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Sets max. sensitivity for to calculate TD sensor sensitivity.} \\
\hline \multirow[t]{2}{*}{032} & Lower Limit & *ENG & \begin{tabular}{l}
[0.150 to \(0.500 / 0.180 /\) \\
0.001-V/wt\%/step]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Sets min. sensitivity for to calculate TD sensor sensitivity.} \\
\hline \multirow{2}{*}{033} & TC Between H-M:K & *ENG & [1.00 to 10.00 / 4.50 / 0.01wt\% \\
\hline & \multicolumn{3}{|l|}{Sets HM interval as TC of \(K\) for to calculate TD sensor sensitivity.} \\
\hline \multirow{2}{*}{034} & TC Between M-L:K & *ENG & [1.00 to 10.00 / 4.40 / 0.01wt\% \\
\hline & \multicolumn{3}{|l|}{Sets ML interval as TC of K for to calculate TD sensor sensitivity.} \\
\hline 043 & TC Between H-M:Col & *ENG & [1.00 to 10.00 / 4.20 / 0.01wt\% \\
\hline
\end{tabular}
\begin{tabular}{|l|l|c|l|}
\hline & \multicolumn{3}{|l|}{ Sets HM interval as TC of CMY for to calculate TD sensor sensitivity. } \\
\hline \multirow{3}{*}{044} & TC Between H-M:Col & *ENG & [1.00 to \(10.00 / 4.40 / 0.01 \mathrm{wt} \%\) \\
\cline { 2 - 4 } & Sets ML interval as TC of CMY for to calculate TD sensor sensitivity. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{3210} & \multicolumn{3}{|l|}{[TD.Sens:Vt :Disp]} \\
\hline & \multicolumn{3}{|l|}{Displays latest T sensor output.} \\
\hline 001 & Current: K & *ENG & \multirow{4}{*}{[0.00 to 5.50 / \(0.00 / 0.01 \mathrm{~V} /\) step]} \\
\hline 002 & Current: C & *ENG & \\
\hline 003 & Current: M & *ENG & \\
\hline 004 & Current: Y & *ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 3211 & \multicolumn{3}{|l|}{[Vt Limits Err :Disp]} \\
\hline \multirow{2}{*}{002} & Upper Threshold & *ENG & [ 0.00 to \(5.00 / 4.70\) / \(0.01 \mathrm{~V} /\) step] \\
\hline & \multicolumn{3}{|l|}{Sets Vt upper limit threshold to decide as Vt upper limit error.} \\
\hline \multirow[b]{2}{*}{003} & Thresh Num of UpperCounter & *ENG & [0 to 255 / 20 / 1times/step] \\
\hline & \multicolumn{3}{|l|}{Sets the number of times excessing Vt upper limit to set off SC360 to 363 (V upper limit error).} \\
\hline \multirow{2}{*}{004} & Lower Threshold & *ENG & [0.00 to \(5.00 / 0.50 / 0.01 \mathrm{~V} /\) step] \\
\hline & \multicolumn{3}{|l|}{Sets Vt upper limit threshold to decide as Vt lower limit error.} \\
\hline \multirow{2}{*}{005} & Threshold Num of LowerCounter & *ENG & [0 to 255 / 10 / 1times/step] \\
\hline & \multicolumn{3}{|l|}{Sets the number of times excessing Vt lower limit to set off SC365 to 363 (Vt upper limit error).} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{3211} & \multicolumn{3}{|l|}{[Vt Limits Err :Disp]} \\
\hline & \multicolumn{3}{|l|}{Counts times of \(\mathrm{Vt}(\mathrm{K} / \mathrm{C} / \mathrm{M} / \mathrm{Y})\) excessing Vt upper limit threshol} \\
\hline 011 & Upper Counter: Bk & *ENG & \multirow{4}{*}{[0 to 255 / 0 / 1times/step]} \\
\hline 012 & Upper Counter: C & *ENG & \\
\hline 013 & Upper Counter: M & *ENG & \\
\hline 014 & Upper Counter: Y & *ENG & \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{2}{*}{3211} & \multicolumn{2}{|l|}{ [Vt Limits Err :Disp] } & \\
\cline { 2 - 3 } & \multicolumn{2}{|l|}{ Counts times of Vt(K/C/M/Y) excessing Vt lower limit threshold. } \\
\hline 021 & Lower Counter: Bk & *ENG & \\
\hline 022 & Lower Counter: C & *ENG & \multirow{2}{*}{ [0 to 255 / 0 / 1times/step] } \\
\hline 023 & Lower Counter: M & *ENG & \\
\hline 024 & Lower Counter: Y & *ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{3212} & \multicolumn{3}{|l|}{[Vt Shift :Set]} \\
\hline & \multicolumn{3}{|l|}{Sets middle speed correction amount for correcting Vt shift caused by line speed.} \\
\hline 001 & Mid Spd:K & *ENG & [0.00 to 2.55 / 8 / 0.01V/step] \\
\hline 002 & Mid Spd:C & *ENG & \multirow{3}{*}{[0.00 to 2.55 / 0.07 / 0.01V/step]} \\
\hline 003 & Mid Spd:M & *ENG & \\
\hline 004 & Mid Spd:Y & *ENG & \\
\hline \multirow{2}{*}{3212} & \multicolumn{3}{|l|}{[Vt Shift :Set]} \\
\hline & \multicolumn{3}{|l|}{Sets low speed correction amount for correcting Vt shift caused by line speed} \\
\hline 011 & Low Spd:K & *ENG & \multirow{4}{*}{[0.00 to 2.55 / 0.14 / 0.01V/step]} \\
\hline 012 & Low Spd:C & *ENG & \\
\hline 013 & Low Spd:M & *ENG & \\
\hline 014 & Low Spd:Y & *ENG & \\
\hline \multirow{2}{*}{3212} & \multicolumn{3}{|l|}{[Vt Shift :Set]} \\
\hline & \multicolumn{3}{|l|}{Sets ON/OFF TC correction amount of Vt shift.} \\
\hline 101 & ON/OFF & *ENG & \[
\begin{aligned}
& {[0 \text { or } 1 / 1 / 1 / \text { step }]} \\
& 0: \text { OFF } \\
& 1: \text { ON }
\end{aligned}
\] \\
\hline
\end{tabular}
\begin{tabular}{|r|l|c|l|}
\hline \multirow{2}{*}{3212} & \multicolumn{2}{|l|}{ [Vt Shift :Set] } & \\
\cline { 2 - 3 } & \multicolumn{2}{|l|}{ Displays TC correction amount of Vt shift. } \\
\hline 111 & TC Mid Spd:K & *ENG & \\
\hline 112 & TC Mid Spd:C & *ENG & \\
\hline 113 & TC Mid Spd:M & *ENG & \\
\hline 114 & TC Mid Spd:Y & *ENG & \multirow{4}{*}{ [-0.50 to 0.50 / 0.00 / 0.01V/step] } \\
\hline 121 & TC Low Spd:K & *ENG & \\
\hline 122 & TC Low Spd:C & *ENG & \\
\hline 123 & TC Low Spd:M & *ENG \\
\hline 124 & TC Low Spd:Y & *ENG & \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{2}{*}{3214} & \multicolumn{3}{|l|}{ [Vt Save :Set] } \\
\cline { 2 - 4 } & \multicolumn{3}{|l|}{ Saves Vt based to image area ratio. } \\
\hline 001 & Coverage Thresh & *ENG & [0 to \(100 / 20 / 1 \% /\) step \(]\) \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 3218 & \multicolumn{3}{|l|}{[Vt Err Flag :Disp]} \\
\hline \multirow[b]{2}{*}{001} & UppErr Flag: K & *ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets flag "1" when \(\operatorname{Vt}(\mathrm{K})\) excesses Vt upper limit error threshold (SP3-221-002) even 1 time.} \\
\hline & UppErr Flag: C & *ENG & [ 0 or 1 / 0 / 1/step] \\
\hline 002 & \multicolumn{3}{|l|}{Sets flag "1" when Vt(C) excesses Vt upper limit error threshold (SP3-221-002) even 1 time.} \\
\hline \multirow[b]{2}{*}{003} & UppErr Flag: M & *ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets flag "1" when Vt(M) excesses Vt upper limit error threshold (SP3-221-002) even 1 time.} \\
\hline 004 & UppErr Flag: Y & *ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline & \multicolumn{3}{|l|}{Sets flag "1" when Vt(Y) excesses Vt upper limit error threshold (SP3-221-002) even 1 time.} \\
\hline \multirow[b]{2}{*}{011} & LowErr Flag: K & *ENG & [ 0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets flag "1" when Vt(K) excesses Vt lower limit error threshold (SP3-221-004) even 1 time.} \\
\hline \multirow[b]{2}{*}{012} & LowErr Flag: C & *ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets flag "1" when Vt(C) excesses Vt lower limit error threshold (SP3-221-004) even 1 time.} \\
\hline \multirow[b]{2}{*}{013} & LowErr Flag: M & *ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets flag "1" when Vt(M) excesses Vt lower limit error threshold (SP3-221-004) even 1 time.} \\
\hline \multirow[b]{2}{*}{014} & LowErr Flag: Y & *ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets flag "1" when Vt(Y) excesses Vt lower limit error threshold (SP3-221-004) even 1 time.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{3219} & \multicolumn{3}{|l|}{[TD.Sens:Vt':Disp]} \\
\hline & \multicolumn{3}{|l|}{Displays Vt before Vt shift correction.} \\
\hline 001 & Vt'0Current: K & ENG & \multirow{11}{*}{[0.00 to \(5.00 / 0.00 / 0.01 \mathrm{~V} /\) step]} \\
\hline 002 & Vt'0Current: C & ENG & \\
\hline 003 & Vt'0Current: M & ENG & \\
\hline 004 & Vt'0Current: Y & ENG & \\
\hline 011 & Vt'1Current: K & ENG & \\
\hline 012 & Vt'1Current: C & ENG & \\
\hline 013 & Vt'1Current: M & ENG & \\
\hline 014 & Vt'1Current: Y & ENG & \\
\hline 021 & Vt'2Current: K & ENG & \\
\hline 022 & Vt'2Current: C & ENG & \\
\hline 023 & Vt'2Current: M & ENG & \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|l|}
\hline 024 & Vt'2Current: \(Y\) & ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 3220 & \multicolumn{3}{|l|}{[Vtent :Disp/Set]} \\
\hline \multirow{2}{*}{001} & Current: K & *ENG & [2.00 to 5.00 / 3.60 / 0.01V/step] \\
\hline & \multicolumn{3}{|l|}{Displays/Sets Current TD Sensor Control Voltage (K).} \\
\hline \multirow{2}{*}{002} & Current: C & *ENG & [2.00 to 5.00 / 3.75 / 0.01V/step] \\
\hline & \multicolumn{3}{|l|}{Displays/Sets Current TD Sensor Control Voltage (C).} \\
\hline \multirow{2}{*}{003} & Current: M & *ENG & [2.00 to 5.00 / 3.75 / 0.01V/step] \\
\hline & \multicolumn{3}{|l|}{Displays/Sets Current TD Sensor Control Voltage (M).} \\
\hline \multirow{2}{*}{004} & Current: Y & *ENG & [2.00 to 5.00 / 3.75 / 0.01V/step] \\
\hline & \multicolumn{3}{|l|}{Displays/Sets Current TD Sensor Control Voltage (Y).} \\
\hline \multirow{2}{*}{011} & Initial: K & *ENG & [2.00 to 5.00 / 3.60 / 0.01V/step] \\
\hline & \multicolumn{3}{|l|}{Displays control voltage of TD sensor when default setting TD sensor.} \\
\hline \multirow{2}{*}{012} & Initial: C & *ENG & [2.00 to 5.00 / 3.75 / 0.01V/step] \\
\hline & \multicolumn{3}{|l|}{Displays control voltage of TD sensor when default setting TD sensor.} \\
\hline \multirow{2}{*}{013} & Initial: M & *ENG & [2.00 to 5.00 / 3.75 / 0.01V/step] \\
\hline & \multicolumn{3}{|l|}{Displays control voltage of TD sensor when default setting TD sensor.} \\
\hline \multirow{2}{*}{014} & Initial: Y & *ENG & [2.00 to 5.00 / 3.75 / 0.01V/step] \\
\hline & \multicolumn{3}{|l|}{Displays control voltage of TD sensor when default setting TD sensor.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 3230 & \multicolumn{3}{|l|}{[Vtref :Disp/Set]} \\
\hline \multirow{2}{*}{001} & Current: K & *ENG & [0.00 to 5.00 / 2.50 / 0.01V/step] \\
\hline & \multicolumn{3}{|l|}{Displays / Sets current target value of TD sensor's output voltage: Vtref (K).} \\
\hline \multirow{2}{*}{002} & Current: C & *ENG & [0.00 to 5.00 / \(\mathbf{2 . 5 0} / 0.01 \mathrm{~V} /\) step] \\
\hline & \multicolumn{3}{|l|}{Displays / Sets current target value of TD sensor's output voltage: Vtref (C).} \\
\hline \multirow{2}{*}{003} & Current: M & *ENG & [0.00 to 5.00 / 2.50 / 0.01V/step] \\
\hline & \multicolumn{3}{|l|}{Displays / Sets current target value of TD sensor's output voltage: Vtref (M).} \\
\hline \multirow{2}{*}{004} & Current: Y & *ENG & [0.00 to 5.00 / 2.50 / 0.01V/step] \\
\hline & \multicolumn{3}{|l|}{Displays / Sets current target value of TD sensor's output voltage: Vtref (Y).} \\
\hline \multirow[b]{2}{*}{011} & Initial: K & *ENG & [0.00 to 5.00 / 2.50 / 0.01V/step] \\
\hline & \multicolumn{3}{|l|}{Displays target value of TD sensor's (K) output voltage when executing TD sensor initial setting.} \\
\hline \multirow[b]{2}{*}{012} & Initial: C & *ENG & [0.00 to 5.00 / \(\mathbf{2 . 5 0} / 0.01 \mathrm{~V} /\) step] \\
\hline & \multicolumn{3}{|l|}{Displays target value of TD sensor's (C) output voltage when executing TD sensor initial setting.} \\
\hline \multirow[b]{2}{*}{013} & Initial: M & *ENG & [0.00 to \(5.00 / 2.50\) / 0.01V/step] \\
\hline & \multicolumn{3}{|l|}{Displays target value of TD sensor's (M) output voltage when executing TD sensor initial setting.} \\
\hline \multirow[b]{2}{*}{014} & Initial: Y & *ENG & [0.00 to \(5.00 / 2.50\) / 0.01V/step] \\
\hline & \multicolumn{3}{|l|}{Displays target value of TD sensor's (Y) output voltage when executing TD sensor initial setting.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{3230} & \multicolumn{3}{|l|}{[Vtref :Disp/Set]} \\
\hline & \multicolumn{3}{|l|}{Displays pixel correction amount of Vtref correction by image area.} \\
\hline 021 & Pixel Correction: K & *ENG & \multirow{4}{*}{[-5.00 to \(5.50 / 0.00 / 0.01 \mathrm{~V} /\) step]} \\
\hline 022 & Pixel Correction: C & *ENG & \\
\hline 023 & Pixel Correction: M & *ENG & \\
\hline 024 & Pixel Correction: Y & *ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 3231 & \multicolumn{3}{|l|}{[Vtref Limits :Set]} \\
\hline \multirow{2}{*}{001} & Upper:K & *ENG & [0.00 to \(5.00 / 4.00\) / 0.01V/step] \\
\hline & \multicolumn{3}{|l|}{Sets upper limit for target value of TD sensor's output voltage: Vtref (K).} \\
\hline \multirow{2}{*}{002} & Upper:C & *ENG & [0.00 to \(5.00 / 4.00 / 0.01 \mathrm{~V} /\) step] \\
\hline & \multicolumn{3}{|l|}{Sets upper limit for target value of TD sensor's output voltage: Vtref (C).} \\
\hline \multirow{2}{*}{003} & Upper:M & *ENG & [0.00 to \(5.00 / 4.00 / 0.01 \mathrm{~V} /\) step] \\
\hline & \multicolumn{3}{|l|}{Sets upper limit for target value of TD sensor's output voltage: Vtref (M).} \\
\hline \multirow{2}{*}{004} & Upper:Y & *ENG & [ 0.00 to \(5.00 / 4.00 / 0.01 \mathrm{~V} /\) step] \\
\hline & \multicolumn{3}{|l|}{Sets upper limit for target value of TD sensor's output voltage: Vtref (Y).} \\
\hline \multirow{2}{*}{011} & Lower:K & *ENG & [0.00 to \(5.00 / 2.00 / 0.01 \mathrm{~V} /\) step] \\
\hline & \multicolumn{3}{|l|}{Sets lower limit for target value of TD sensor's output voltage: Vtref (K).} \\
\hline \multirow{2}{*}{012} & Lower:C & *ENG & [0.00 to \(5.00 / 2.00 / 0.01 \mathrm{~V} /\) step] \\
\hline & \multicolumn{3}{|l|}{Sets lower limit for target value of TD sensor's output voltage: Vtref (C).} \\
\hline \multirow{2}{*}{013} & Lower:M & *ENG & [0.00 to \(5.00 / 2.00 / 0.01 \mathrm{~V} /\) step] \\
\hline & \multicolumn{3}{|l|}{Sets lower limit for target value of TD sensor's output voltage: Vtref (M).} \\
\hline \multirow{2}{*}{014} & Lower:Y & *ENG & [0.00 to \(5.00 / 2.00\) / 0.01V/step] \\
\hline & \multicolumn{3}{|l|}{Sets lower limit for target value of TD sensor's output voltage: Vtref (Y).} \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|l|}
\hline 3232 & \multicolumn{3}{|l|}{ [Vtref Correct:Pixel] } \\
\hline 001 & ON/OFF & *ENG & \begin{tabular}{l}
{\(\left[\begin{array}{l}0 \text { or } 1 / 1 / 1 / \text { step }] \\
0: \text { OFF } \\
1: ~ O N ~\end{array}\right.\)} \\
\cline { 2 - 4 } \\
\end{tabular} \\
\cline { 2 - 4 } & \multicolumn{3}{|l|}{ Switches ON/OFF pixel Vtref correction. } \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{3232} & \multicolumn{3}{|l|}{[Vtref Correct:Pixel]} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Sets coefficient to decide Vtref correction value of Vtref correction by image area. \\
Vtref correction value: SP3-222-009 to 012 = calculated Vtref correction value small area coefficient (This SP) \\
How to use this SP: Vtref correction by image area.
\end{tabular}} \\
\hline 011 & Low Coverage Coef:K & *ENG & \multirow{4}{*}{[0.0 to 5.0 / 1.0 / 0.1/step]} \\
\hline 012 & Low Coverage Coef:C & *ENG & \\
\hline 013 & Low Coverage Coef:M & *ENG & \\
\hline 014 & Low Coverage Coef:Y & *ENG & \\
\hline & \multicolumn{3}{|l|}{[Vtref Correct:Pixel]} \\
\hline 3232 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Sets coefficient to decide Vtref correction value of Vtref correction by image area. \\
Vtref correction value: SP3-222-009 to \(012=\) calculated Vtref correction value large area coefficient (This SP) \\
How to use this SP: Vtref correction by image area.
\end{tabular}} \\
\hline 021 & High Coverage Coeff:K & *ENG & [0 to 50 / 0.5 / 0.1/step] \\
\hline 022 & High Coverage Coeff: C & *ENG & [0 to \(50 / 1.0\) / 0.1/step] \\
\hline 023 & High Coverage Coeff:M & *ENG & [0 to \(50 / 1.0\) / 0.1/step] \\
\hline 024 & High Coverage Coeff:Y & *ENG & [0 to \(50 / 1.0\) / 0.1/step] \\
\hline 3232 & \multicolumn{3}{|l|}{[Vtref Correct:Pixel]} \\
\hline & Initial ProCon Thresh & *ENG & [0 to 255/100 / 1times/step] \\
\hline 040 & \multicolumn{3}{|l|}{Executes Pro-Con by setting a Pro-Con flag when image area cumulative average M (SP3-224-009 to 012) is larger than the specified value and then so deciding that large area images are continuing. When large area images are continuing, specified} \\
\hline 041 & High Coverage Thresh:H & *ENG & [0 to \(100 / 100 / 1 \% /\) step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline & \multicolumn{3}{|l|}{How to use this SP: Refer to this SP when printing large area images. When image area accumulate average M (SP3-224-009 to 012) is larger than this SP, judges that high area images are continuing, then set Pro-Con flag and,} \\
\hline & ProCon Thresh & *ENG & [0 to 255 / 100 / 1times/step] \\
\hline 050 & \multicolumn{3}{|l|}{Executes Pro-Con by setting a Pro-Con flag when image area total average \(M\) (SP3-224-009 to 012) is larger than the specified value and then so deciding that large area images are continuing. When large area images are continuing, specified} \\
\hline & Low Coverage Thresh & *ENG & [0.0 to 20.0 / 3.0 / 0.1\%/step] \\
\hline 060 & \multicolumn{3}{|l|}{\begin{tabular}{l}
How to use this SP: Refer to this SP when printing small area images. \\
When image area accumulate average \(L(S P 3-224-013\) to 016\()\) is less than this SP, judges that low high area images are continuing, then temporarily dis
\end{tabular}} \\
\hline & \multicolumn{3}{|l|}{[Vtref Correct:Pixel]} \\
\hline 3232 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Switches to a mode able to call off Vtref lower limit (Upper limit of TC) by deciding small area images are continuing when image area cumulative average L (SP3-224-013 to 016) is small. \\
This SP
\end{tabular}} \\
\hline 070 & TC Upper Limit Correction & *ENG & [0.0 to 5.0 / 0.5 / 0.1wt\%/step] \\
\hline 071 & TC Upper Limit:Display:Bk & *ENG & \multirow{4}{*}{[1.0 to 15.0 / 8.5 / 0.1wt\%/step]} \\
\hline 072 & TC Upper Limit:Display:C & *ENG & \\
\hline 073 & TC Upper Limit:Display:M & *ENG & \\
\hline 074 & TC Upper Limit:Display:Y & *ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 3233 & \multicolumn{3}{|l|}{[RTP Vtref Corr :Disp/Set]} \\
\hline \multirow[t]{2}{*}{001} & ON/OFF & *ENG & \[
\begin{aligned}
& {[0 \text { or } 1 / 1 / 1 / \text { step }]} \\
& 0: \text { OFF } \\
& 1: \text { ON }
\end{aligned}
\] \\
\hline & \multicolumn{3}{|l|}{Controls ON/OFF the Vtref correction done based on RTP pattern deposit amount during print.} \\
\hline \multirow[b]{2}{*}{3233} & \multicolumn{3}{|l|}{[RTP Vtref Corr :Disp/Set]} \\
\hline & \multicolumn{3}{|l|}{Sets Vtref correction value (K/C/M/Y) when RTP pattern deposit amount goes over deposit amount threshold (upper/lower limit).} \\
\hline 011 & Corr Amt(+):K & *ENG & \multirow{8}{*}{[0.00 to 1.00 / 0.03 / 0.01V/step]} \\
\hline 012 & Corr Amt(+): C & *ENG & \\
\hline 013 & Corr Amt(+):M & *ENG & \\
\hline 014 & Corr Amt(+):Y & *ENG & \\
\hline 021 & Corr Amt(-): K & *ENG & \\
\hline 022 & Corr Amt(-):C & *ENG & \\
\hline 023 & Corr Amt(-):M & *ENG & \\
\hline 024 & Corr Amt(-): Y & *ENG & \\
\hline \multirow{2}{*}{3233} & \multicolumn{3}{|l|}{[RTP Vtref Corr :Disp/Set]} \\
\hline & \multicolumn{3}{|l|}{Sets upper/lower limit threshold (K/C/M/Y) of RTP deposit amount.} \\
\hline 031 & Corr Thresh:K & *ENG & \begin{tabular}{l}
[0.000 to \(0.100 / 0.005\) / \\
\(0.001 \mathrm{mg} / \mathrm{cm} 2 /\) step]
\end{tabular} \\
\hline 032 & Corr Thresh:C & *ENG & \multirow{3}{*}{\begin{tabular}{l}
[0.000 to 0.100 / 0.010 / \\
\(0.001 \mathrm{mg} / \mathrm{cm} 2 / \mathrm{step}]\)
\end{tabular}} \\
\hline 033 & Corr Thresh:M & *ENG & \\
\hline 034 & Corr Thresh:Y & *ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 3233 & \multicolumn{3}{|l|}{[RTP Vtref Corr :Disp/Set]} \\
\hline \multirow[b]{2}{*}{041} & Vtavg Weight Coeff (H) & *ENG & [0 to 100 / 30 / 1\%/step] \\
\hline & \multicolumn{3}{|l|}{Sets the weight of Vtavg and Vtref used for Vtref Correction Standard Value when Paper Interval Adhesion Amount exceeds Adhesion Amount Threshold (Upper Limit).} \\
\hline & Vtavg Weight Coeff (M) & *ENG & [0 to \(100 / 0\) / 1\%/step] \\
\hline 051 & \multicolumn{3}{|l|}{Sets the weight of Vtavg and Vtref used for Vtref Correction Standard Value when Paper Interval Adhesion Amount exceeds Adhesion Amount Threshold (Lower Limit).} \\
\hline & Vtavg Weight Coeff (L) & *ENG & [0 to \(100 / 5\) / 1\%/step] \\
\hline 061 & \multicolumn{3}{|l|}{Sets the weight of Vtavg and Vtref used for Vtref Correction Standard Value when Paper Interval Adhesion Amount exceeds Adhesion Amount Threshold (Lower Limit).} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 3234 & \multicolumn{3}{|l|}{[Vtref Corr :Disp/Set]} \\
\hline 001 & ON/OFF & *ENG & \[
\begin{aligned}
& {[0 \text { or } 1 / 1 / 1 / \text { step }]} \\
& 0: \text { OFF } \\
& \text { 1: ON }
\end{aligned}
\] \\
\hline & \multicolumn{3}{|l|}{Controls ON/OFF Vtref correction of electric potential control.} \\
\hline \multirow[b]{2}{*}{3234} & \multicolumn{3}{|l|}{[Vtref Corr :Disp/Set]} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Set when controlling to keep toner density low with electric potential based on develop gamma. \\
Means Vtref correction (+) side correction amount.
\end{tabular}} \\
\hline 011 & Corr Amt(+):K & *ENG & \multirow{4}{*}{[0.00 to 1.00 / 0.00 / 0.01V/step]} \\
\hline 012 & Corr Amt(+):C & *ENG & \\
\hline 013 & Corr Amt(+):M & *ENG & \\
\hline 014 & Corr Amt(+):Y & *ENG & \\
\hline & \multicolumn{3}{|l|}{[Vtref Corr :Disp/Set]} \\
\hline 3234 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Set when controlling to keep toner density low with electric potential based on develop gamma. \\
Means Vtref correction (-) side correction amount.
\end{tabular}} \\
\hline 021 & Corr Amt(-): K & *ENG & \multirow{4}{*}{[0.00 to 1.00 / 0.00 / 0.01V/step]} \\
\hline 022 & Corr Amt(-):C & *ENG & \\
\hline 023 & Corr Amt(-):M & *ENG & \\
\hline 024 & Corr Amt(-):Y & *ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 3234 & \multicolumn{3}{|l|}{[Vtref Corr :Disp/Set]} \\
\hline & P Rank 1 Threshold & *ENG & [0.00 to 2.00 / 0.15 / 0.01/step] \\
\hline 031 & \multicolumn{3}{|l|}{Meaning the threshold for P_Rank decision formula below, to decide develop gamma is "High" or "Little High" then the develop gamma target value and develop gamma detection value's diff (delta gamma) among the Vtref correct execution conditions. (Unit:} \\
\hline & P Rank 2 Threshold & *ENG & [ 0.00 to 2.00 / 0.05 / 0.01/step] \\
\hline 032 & \multicolumn{3}{|l|}{Meaning the threshold for P_Rank decision formula below, to decide develop gamma is "Little High" or "Fair" then the develop gamma target value and develop gamma detection value's diff (delta gamma) among the Vtref correct execution conditions. (Unit:} \\
\hline & P Rank 3 Threshold & *ENG & [-2.00 to 0.00 / -0.05 / 0.01/step] \\
\hline 033 & \multicolumn{3}{|l|}{Meaning the threshold for P_Rank decision formula below, to decide develop gamma is "Little Low" or "Fair" then the develop gamma target value and develop gamma detection value's diff (delta gamma) among the Vtref correct execution conditions. (Unit:} \\
\hline & P Rank 4 Threshold & *ENG & [-2.00 to \(0.00 /-\mathbf{0 . 1 5} / 0.01 /\) step] \\
\hline 034 & \multicolumn{3}{|l|}{Meaning the threshold for P_Rank decision formula below, to decide develop gamma is "Low" or "Little Low" then the develop gamma target value and develop gamma detection value's diff (delta gamma) among the Vtref correct execution conditions. (Unit:} \\
\hline \multirow[b]{2}{*}{041} & T Rank 1 Threshold & *ENG & [-1.00 to 0.00/-0.20 / 0.01V/step] \\
\hline & \multicolumn{3}{|l|}{Threshold to decide toner density as "Deep" or "Fair" by Vt and Vtref's diff (delta V ) among the Vtref correct execution conditions.} \\
\hline \multirow[b]{2}{*}{042} & T Rank 2 Threshold & *ENG & [0.00 to \(1.00 / 0.20 / 0.01 \mathrm{~V} /\) step] \\
\hline & \multicolumn{3}{|l|}{Threshold to decide toner density as "Thin" or "Fair" by Vt and Vtref's diff (delta V ) among the Vtref correct execution conditions.} \\
\hline \multirow{2}{*}{050} & Correction Coefficient & *ENG & [1.0 to 5.0 / 2.0 / 0.1/step] \\
\hline & \multicolumn{3}{|l|}{Sets correction coefficient for Vtref correction amount.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{3250} & \multicolumn{3}{|l|}{[ImgArea :Disp]} \\
\hline & \multicolumn{3}{|l|}{Displays image area for the latest page.} \\
\hline 001 & ImgArea:K & *ENG & \multirow{4}{*}{[0 to 9999 / 0 / 1cm2/step]} \\
\hline 002 & ImgArea:C & *ENG & \\
\hline 003 & ImgArea:M & *ENG & \\
\hline 004 & ImgArea:Y & *ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 3251 & \multicolumn{3}{|l|}{[DotCoverage :Disp]} \\
\hline \multirow{2}{*}{001} & DotCoverage:K & *ENG & [0.00 to 100.00 / 0.00 / 0.01\%/step] \\
\hline & \multicolumn{3}{|l|}{Displays image area rate ( K ) for the latest page.} \\
\hline \multirow{2}{*}{002} & DotCoverage:C & *ENG & [0.00 to 100.00 / 0.00 / 0.01\%/step] \\
\hline & \multicolumn{3}{|l|}{Displays image area rate (C) for the latest page.} \\
\hline \multirow{2}{*}{003} & DotCoverage:M & *ENG & [0.00 to 100.00 / 0.00 / 0.01\%/step] \\
\hline & \multicolumn{3}{|l|}{Displays image area rate ( M ) for the latest page.} \\
\hline \multirow{2}{*}{004} & DotCoverage:Y & *ENG & [0.00 to 100.00 / 0.00 / 0.01\%/step] \\
\hline & \multicolumn{3}{|l|}{Displays image area rate ( Y ) for the latest page.} \\
\hline \multirow{2}{*}{011} & DC Avg.:S:K & *ENG & [0.00 to 100.00 / 5.00 / 0.01\%/step] \\
\hline & \multicolumn{3}{|l|}{Displays image area rate cumulative average: S (K)} \\
\hline \multirow{2}{*}{012} & DC Avg.:S:C & *ENG & [0.00 to 100.00 / 5.00 / 0.01\%/step] \\
\hline & \multicolumn{3}{|l|}{Displays image area rate cumulative average: S (C)} \\
\hline \multirow{2}{*}{013} & DC Avg.:S:M & *ENG & [0.00 to 100.00 / 5.00 / 0.01\%/step] \\
\hline & \multicolumn{3}{|l|}{Displays image area rate cumulative average: S (M)} \\
\hline \multirow{2}{*}{014} & DC Avg.:S:Y & *ENG & [0.00 to 100.00 / 5.00 / 0.01\%/step] \\
\hline & \multicolumn{3}{|l|}{Displays image area rate cumulative average: S (Y)} \\
\hline 021 & DC Avg.:M:K & *ENG & [0.00 to 100.00 / 5.00 / 0.01\%/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline & Displays image a & ive ave & ge: M (K) \\
\hline \multirow{2}{*}{022} & DC Avg.:M:C & *ENG & [0.00 to 100.00 / 5.00 / 0.01\%/step] \\
\hline & \multicolumn{3}{|l|}{Displays image area rate cumulative average: M (C)} \\
\hline \multirow{2}{*}{023} & DC Avg.:M:M & *ENG & [ 0.00 to 100.00 / 5.00 / 0.01\%/step] \\
\hline & \multicolumn{3}{|l|}{Displays image area rate cumulative average: M (M)} \\
\hline \multirow{2}{*}{024} & DC Avg.:M:Y & *ENG & [ 0.00 to 100.00 / 5.00 / 0.01\%/step] \\
\hline & \multicolumn{3}{|l|}{Displays image area rate cumulative average: \(\mathrm{M}(\mathrm{Y})\)} \\
\hline \multirow{2}{*}{031} & DC Avg.:L:K & *ENG & [0.00 to \(100.00 / 5.00\) / 0.01\%/step] \\
\hline & \multicolumn{3}{|l|}{Displays image area rate cumulative average: L (K)} \\
\hline \multirow{2}{*}{032} & DC Avg.:L:C & *ENG & [0.00 to \(100.00 / 5.00\) / 0.01\%/step] \\
\hline & \multicolumn{3}{|l|}{Displays image area rate cumulative average: L (C)} \\
\hline \multirow{2}{*}{033} & DC Avg.:L:M & *ENG & [0.00 to 100.00 / 5.00 / 0.01\%/step] \\
\hline & \multicolumn{3}{|l|}{Displays image area rate cumulative average: L (M)} \\
\hline \multirow{2}{*}{034} & DC Avg.:L:Y & *ENG & [0.00 to 100.00 / 5.00 / 0.01\%/step] \\
\hline & \multicolumn{3}{|l|}{Displays image area rate cumulative average: L(Y)} \\
\hline \multirow{2}{*}{041} & TotalPage:S:Set & *ENG & [1 to 255 / 10 / 1sheet/step] \\
\hline & \multicolumn{3}{|l|}{Sets cumulative sheets: S} \\
\hline \multirow{2}{*}{042} & TotalPage:M:Set & *ENG & [1 to 500 / 10/1sheet/step] \\
\hline & \multicolumn{3}{|l|}{Sets cumulative sheets: M} \\
\hline \multirow{2}{*}{043} & TotalPage:L:Set & *ENG & [1 to 999 / 50 / 1sheet/step] \\
\hline & \multicolumn{3}{|l|}{Sets cumulative sheets: L} \\
\hline \multirow{2}{*}{051} & TotalPage:S:Set & *ENG & [1 to 255 / 20 / 1sheet/step] \\
\hline & \multicolumn{3}{|l|}{Sets cumulative sheets: S} \\
\hline \multirow{2}{*}{052} & TotalPage:M:Set & *ENG & [1 to 500 / 10/1sheet/step] \\
\hline & \multicolumn{3}{|l|}{Sets cumulative sheets: M} \\
\hline 053 & TotalPage:S:Set & *ENG & [1 to 999 / 50 / 1sheet/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline & \multicolumn{3}{|l|}{Sets cumulative sheets: L} \\
\hline & \multicolumn{3}{|l|}{[AccumImgArea :Disp]} \\
\hline & \multicolumn{3}{|l|}{Displays cumulative image area.} \\
\hline 001 & ImgArea:K & *ENG & \multirow{4}{*}{[0 to 65535 / 0 / 1cm^2/step]} \\
\hline 002 & ImgArea:C & *ENG & \\
\hline 003 & ImgArea:M & *ENG & \\
\hline 004 & ImgArea: \(Y\) & *ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 3260 & \multicolumn{3}{|l|}{[Temperature/Humidity: Display]} \\
\hline \multirow{2}{*}{001} & Temperature & ENG & [-5.0 to 45.0 / 0.0 / 0.1deg] \\
\hline & \multicolumn{3}{|l|}{Displays temperature of environment sensor output.} \\
\hline \multirow{2}{*}{002} & Relative Humidity & ENG & [0.0 to 100.0 / 0.0 / 0.1\%RH/step] \\
\hline & \multicolumn{3}{|l|}{Displays relative humidity of environment sensor output.} \\
\hline \multirow[t]{2}{*}{003} & Absolute Humidity & ENG & \begin{tabular}{l}
[0.00 to 100.00 / 0.00 / \\
\(0.01 \mathrm{~g} / \mathrm{m} 3 / \mathrm{step}]\)
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Displays absolute humidity of environment sensor output.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 3300 & \multicolumn{3}{|l|}{[RTP Pattern :Disp]} \\
\hline \multirow[t]{2}{*}{001} & M/A(Latest):K & *ENG & \begin{tabular}{l}
[0.000 to 1.000 / 0.000 / \\
\(0.001 \mathrm{mg} / \mathrm{cm} 2 / \mathrm{step}]\)
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Displays latest RTP pattern sensor's deposit amount (K).} \\
\hline \multirow[t]{2}{*}{002} & M/A(Latest): C & *ENG & \begin{tabular}{l}
[0.000 to 1.000 / 0.000 / \\
\(0.001 \mathrm{mg} / \mathrm{cm} 2 /\) step]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Displays latest RTP pattern sensor's deposit amount (C).} \\
\hline \multirow[t]{2}{*}{003} & M/A(Latest):M & *ENG & \begin{tabular}{l}
[0.000 to \(1.000 / 0.000\) / \\
\(0.001 \mathrm{mg} / \mathrm{cm} 2 / \mathrm{step}]\)
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Displays latest RTP pattern sensor's deposit amount (M).} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[t]{2}{*}{004} & M/A(Latest): Y & *ENG & \begin{tabular}{l}
[0.000 to 1.000 / 0.000 / \\
\(0.001 \mathrm{mg} / \mathrm{cm} 2 / \mathrm{step}]\)
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Displays latest RTP pattern sensor's deposit amount (Y).} \\
\hline \multirow[t]{2}{*}{011} & M/A(Target):K & *ENG & \begin{tabular}{l}
[0.000 to 1.000 / 0.220 / \\
\(0.001 \mathrm{mg} / \mathrm{cm} 2 / \mathrm{step}]\)
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Displays RTP pattern sensor's depositing target amount (K).} \\
\hline \multirow[t]{2}{*}{012} & M/A(Target): \({ }^{\text {C }}\) & *ENG & \begin{tabular}{l}
[0.000 to 1.000 / 0.400 / \\
\(0.001 \mathrm{mg} / \mathrm{cm} 2 / \mathrm{step}]\)
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Displays RTP pattern sensor's depositing target amount (C).} \\
\hline \multirow[t]{2}{*}{013} & M/A(Target):M & *ENG & \begin{tabular}{l}
[0.000 to \(1.000 / 0.450 /\) \\
\(0.001 \mathrm{mg} / \mathrm{cm} 2 / \mathrm{step}]\)
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Displays RTP pattern sensor's depositing target amount (M).} \\
\hline \multirow[t]{2}{*}{014} & M/A(Target): Y & *ENG & \begin{tabular}{l}
[ 0.000 to 1.000 / 0.400 / \\
\(0.001 \mathrm{mg} / \mathrm{cm} 2 / \mathrm{step}]\)
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Displays RTP pattern sensor's depositing target amount (Y).} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 3301 & \multicolumn{3}{|l|}{[RTP Pattern :Set]} \\
\hline \multirow{2}{*}{001} & Create Intrvi:BW & ENG & [0 to 200 / 10 / 1pages] \\
\hline & \multicolumn{3}{|l|}{Sets creating interval (K) for RTP pattern.} \\
\hline \multirow{2}{*}{002} & Create Intrvl:FC & ENG & [0 to 200 / 10 / 1pages] \\
\hline & \multicolumn{3}{|l|}{Sets creating interval (C) for RTP pattern.} \\
\hline \multirow{2}{*}{011} & Page Cnt:BW & *ENG & [0 to 200 / 0 / 1pages] \\
\hline & \multicolumn{3}{|l|}{Displays sheets counter value (K) for RTP pattern.} \\
\hline \multirow{2}{*}{012} & Page Cnt:FC & *ENG & [0 to 200 / 0 / 1pages] \\
\hline & \multicolumn{3}{|l|}{Displays sheets counter value (C) for RTP pattern.} \\
\hline \multirow[t]{2}{*}{021} & M/A UppErr:K & ENG & \begin{tabular}{l}
[0.000 to 1.000 / 0.600 / \\
\(0.001 \mathrm{mg} / \mathrm{cm} 2 / \mathrm{step}]\)
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Sets error decision threshold (K) for SC380 RTP patter error.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[t]{2}{*}{022} & M/A UppErr:Col & ENG & \begin{tabular}{l}
[0.000 to \(2.000 / 1.200 /\) \\
\(0.001 \mathrm{mg} / \mathrm{cm} 2 / \mathrm{step}]\)
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Sets error decision threshold (CMY) for SC381 to SC383 RTP patter error.} \\
\hline \multirow[t]{2}{*}{023} & M/A LowErr:K & ENG & \begin{tabular}{l}
[0.000 to 1.000 / 0.100 / \\
\(0.001 \mathrm{mg} / \mathrm{cm} 2 /\) step]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Sets error decision threshold (K) for SC385 RTP patter error.} \\
\hline \multirow[t]{2}{*}{024} & M/A LowErr:Col & ENG & \begin{tabular}{l}
[0.000 to \(1.000 / 0.200\) / \\
\(0.001 \mathrm{mg} / \mathrm{cm} 2 / \mathrm{step}]\)
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Sets error decision threshold (CMY) for SC386 to SC388 RTP patter error.} \\
\hline \multirow[b]{2}{*}{031} & Feed Cnt :Set & *ENG & [0 to 99999999 / \(\mathbf{5 0 0 0 0}\) / 1ms/step] \\
\hline & \multicolumn{3}{|l|}{Totals up ON time of sub hopper feed clutch (Reset when toner end sensor detects toner).} \\
\hline \multirow{2}{*}{041} & Feed Cnt :K & *ENG & [0 to 99999999 / 0 / \(1 \mathrm{~ms} /\) step] \\
\hline & \multicolumn{3}{|l|}{Totals up ON time of sub hopper feed clutch (K).} \\
\hline \multirow{2}{*}{042} & Feed Cnt : C & *ENG & [0 to 99999999 / 0 / \(1 \mathrm{~ms} /\) step] \\
\hline & \multicolumn{3}{|l|}{Totals up ON time of sub hopper feed clutch (C).} \\
\hline \multirow{2}{*}{043} & Feed Cnt :M & *ENG & [0 to 99999999 / 0 / \(1 \mathrm{~ms} /\) step] \\
\hline & \multicolumn{3}{|l|}{Totals up ON time of sub hopper feed clutch (M).} \\
\hline \multirow{2}{*}{044} & Feed Cnt : Y & *ENG & [0 to 99999999 / 0 / \(1 \mathrm{~ms} /\) step] \\
\hline & \multicolumn{3}{|l|}{Totals up ON time of sub hopper feed clutch (Y).v} \\
\hline 051 & Vsg Detect Intrvl & & [0 to 200 / 10 / 1pages/step] \\
\hline 061 & Vsg Page Cnt & & [0 to 200 / 0 / 1pages/step] \\
\hline 070 & LowErr Thresh & & [0 to 99 / 3 / 1times/step] \\
\hline 071 & LowErr Cnt:K & & \multirow{4}{*}{[0 to 99 / 0 / 1times/step]} \\
\hline 072 & LowErr Cnt:C & & \\
\hline 073 & LowErr Cnt:M & & \\
\hline 074 & LowErr Cnt:Y & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[t]{2}{*}{081} & M/A(RTP)_Std & *ENG & \begin{tabular}{l}
[0.000 to 1.000 / 0.220 / \\
\(0.001 \mathrm{mg} / \mathrm{cm} 2 / \mathrm{step}]\)
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Sets standard deposit amount of RTP pattern deposit amount target value (K).} \\
\hline \multirow[t]{2}{*}{091} & M/A Thresh_Upp:K & *ENG & [0.000 to 1.000 / 0.060 / \(0.001 \mathrm{mg} / \mathrm{cm} 2 /\) step] \\
\hline & \multicolumn{3}{|l|}{Sets upper limit threshold of RTP pattern deposit amount target value (K).} \\
\hline \multirow[t]{2}{*}{092} & M/A Thresh_Upp:C & *ENG & \begin{tabular}{l}
[0.000 to 1.000 / 0.050 / \\
\(0.001 \mathrm{mg} / \mathrm{cm} 2 / \mathrm{step}\) ]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Sets upper limit threshold of RTP pattern deposit amount target value (C).} \\
\hline \multirow[t]{2}{*}{093} & M/A Thresh_Upp:M & *ENG & \begin{tabular}{l}
[0.000 to 1.000 / 0.050 / \\
\(0.001 \mathrm{mg} / \mathrm{cm} 2 /\) step]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Sets upper limit threshold of RTP pattern deposit amount target value (M).} \\
\hline \multirow[t]{2}{*}{094} & M/A Thresh_Upp:Y & *ENG & \begin{tabular}{l}
[0.000 to 1.000 / 0.050 / \\
\(0.001 \mathrm{mg} / \mathrm{cm} 2 / \mathrm{step}\) ]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Sets upper limit threshold of RTP pattern deposit amount target value (Y).} \\
\hline \multirow[t]{2}{*}{101} & M/A Thresh_Low:K & *ENG & \begin{tabular}{l}
[0.000 to 1.000 / 0.050 / \\
\(0.001 \mathrm{mg} / \mathrm{cm} 2 /\) step \(]\)
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Sets lower limit threshold of RTP pattern deposit amount target value (K).} \\
\hline \multirow[t]{2}{*}{102} & M/A Thresh_Low:C & *ENG & \begin{tabular}{l}
[0.000 to 1.000 / 0.100 / \\
\(0.001 \mathrm{mg} / \mathrm{cm} 2 / \mathrm{step}\) ]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Sets lower limit threshold of RTP pattern deposit amount target value (C).} \\
\hline \multirow[t]{2}{*}{103} & M/A Thresh_Low:M & *ENG & \begin{tabular}{l}
[0.000 to 1.000 / 0.100 / \\
\(0.001 \mathrm{mg} / \mathrm{cm} 2 /\) step]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Sets lower limit threshold of RTP pattern deposit amount target value (M).} \\
\hline \multirow[t]{2}{*}{104} & M/A Thresh_Low:Y & *ENG & \begin{tabular}{l}
[0.000 to 1.000 / 0.100 / \\
\(0.001 \mathrm{mg} / \mathrm{cm} 2 / \mathrm{step}\) ]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Sets lower limit threshold of RTP pattern deposit amount target value (Y).} \\
\hline \multirow{2}{*}{111} & Weight Coeff:K & *ENG & [1 to 10 / 1 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Adds weight to leveling process of RTP pattern deposit amount target value (K)} \\
\hline
\end{tabular}
\begin{tabular}{|l|l|c|l|}
\hline \multirow{3}{*}{112} & Weight Coeff:Col & *ENG & {\([1\) to \(10 / 1 / 1 /\) step \(]\)} \\
\cline { 2 - 4 } & \begin{tabular}{l} 
Adds weight to leveling process of RTP pattern deposit amount target value \\
(Col).
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{3310} & \multicolumn{3}{|l|}{[ID.Sens :Voffset]} \\
\hline & \multicolumn{3}{|l|}{Displays specular reflection light output voltage of ID sensor's LED OFF time.} \\
\hline 001 & Voffset reg (Front) & *ENG & \multirow{3}{*}{[0.00 to \(5.50 / 0.00 / 0.01 \mathrm{~V} /\) step]} \\
\hline 002 & Voffset reg (Center) & *ENG & \\
\hline 003 & Voffset reg (Rear) & *ENG & \\
\hline \multirow{2}{*}{3310} & \multicolumn{3}{|l|}{[ID.Sens :Voffset]} \\
\hline & \multicolumn{3}{|l|}{Displays diffuse reflection light output voltage of ID sensor's LED OFF time.} \\
\hline 011 & Voffset dif (Front) & *ENG & \multirow{3}{*}{[0.00 to \(5.50 / 0.00 / 0.01 \mathrm{~V} /\) step]} \\
\hline 012 & Voffset dif (Center) & *ENG & \\
\hline 013 & Voffset dif (Rear) & *ENG & \\
\hline \multirow[b]{2}{*}{3310} & \multicolumn{3}{|l|}{[ID.Sens :Voffset]} \\
\hline & \multicolumn{3}{|l|}{Displays specular reflection light output voltage of TM_Front sensor's LED OFF time.} \\
\hline \multirow[b]{2}{*}{021} & Voffset TM(Front) & *ENG & [0.00 to \(5.50 / 0.00 / 0.01 \mathrm{~V} /\) step] \\
\hline & \multicolumn{3}{|l|}{Displays specular reflection light output voltage of TM_Front sensor's LED OFF time.} \\
\hline \multirow[b]{2}{*}{022} & Voffset TM(Center) & *ENG & [0.00 to \(5.50 / 0.00 / 0.01 \mathrm{~V} /\) step] \\
\hline & \multicolumn{3}{|l|}{Displays specular reflection light output voltage of TM_Center sensor's LED OFF tim} \\
\hline \multirow[b]{2}{*}{023} & Voffset TM(Rear) & *ENG & [0.00 to \(5.50 / 0.00 / 0.01 \mathrm{~V} /\) step] \\
\hline & \multicolumn{3}{|l|}{Displays specular reflection light output voltage of TM_Rear sensor's LED OFF time.} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|c|l|}
\hline \multirow{2}{*}{3311} & \multicolumn{3}{|l|}{ [ID.Sens :Vmin] } \\
\cline { 2 - 3 } & \multicolumn{2}{|l|}{ Displays Black Vmin output of tone pattern. } \\
\hline 001 & Vmin_K(Front) & *ENG & \\
\hline 002 & Vmin_K(Center) & *ENG & \begin{tabular}{l} 
[0.000 to 5.000 / 0.000 / \\
\(0.001 V / s t e p] ~\)
\end{tabular} \\
\hline 003 & Vmin_K(Rear) & *ENG & \\
\hline
\end{tabular}
\begin{tabular}{|r|l|r|l|}
\hline \multirow{2}{*}{3312} & \multicolumn{2}{|l|}{ [ID.Sens :Vct] } & \\
\cline { 2 - 3 } & \multicolumn{2}{|l|}{ Factory adjust value of ID sensor. } \\
\hline 001 & Vct_reg(Front) & \multirow{2}{*}{ *ENG } & \\
\hline 002 & Vct_reg(Center) & *ENG & \\
\hline 003 & Vct_reg(Rear) & \multirow{2}{*}{ *ENG } & [0.000 to 5.000 / 0.000 / \\
\hline 011 & Vct_dif(Front) & *ENG & 0.001 V/step] \\
\hline 012 & Vct_dif(Center) & *ENG & \\
\hline 013 & Vct_dif(Rear) & *ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 3320 & \multicolumn{3}{|l|}{[Vsg Adj: Execute]} \\
\hline \multirow[t]{2}{*}{001} & P Sensor & ENG & [0 or 1 / 0 / 1/step] [Execute] \\
\hline & \multicolumn{3}{|l|}{Adjusts Vsg.} \\
\hline \multirow{2}{*}{012} & Voffset Threshold & *ENG & [0.00 to 5.00 / 1.00 / 0.01V/step] \\
\hline & \multicolumn{3}{|l|}{Sets upper limit threshold of Voffset error.} \\
\hline \multirow{2}{*}{013} & Vsg Upper Threshold & *ENG & [0.00 to 5.00 / 4.50 / 0.01V/step] \\
\hline & \multicolumn{3}{|l|}{Sets upper limit threshold of Vsg adjust error.} \\
\hline \multirow{2}{*}{014} & Vsg Lower Threshold & *ENG & [0.00 to 5.00 / 3.50 / 0.01V/step] \\
\hline & \multicolumn{3}{|l|}{Sets lower limit threshold of Vsg adjust error.} \\
\hline 015 & Ifsg UpperLimit & *ENG & [0.0 to 50.0 / \(\mathbf{3 0 . 0}\) / 0.1mA/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline & \multicolumn{3}{|l|}{Sets error decision threshold of SC382 (If upper limit error).} \\
\hline & Interval :Set & *ENG & [0 to 2000 / 0 / 1page/step] \\
\hline 020 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Sets Vsg adjusting execute page interval to be decided after or during printing. \\
Note \\
- Will be executed when Pro-Con or MUSIC decides necessity. (Won't work alone)
\end{tabular}} \\
\hline \multirow{2}{*}{021} & Page Cnt & *ENG & [0 to 2000 / 0 / 1page/step] \\
\hline & \multicolumn{3}{|l|}{Displays Page counter for Vsg execute decision.} \\
\hline \multirow{2}{*}{031} & Vsg Error Counter (Front) & *ENG & [0 to 99 / 0 / 1times/step] \\
\hline & \multicolumn{3}{|l|}{Counts Vsg error.} \\
\hline \multirow{2}{*}{032} & Vsg Error Counter (Center) & *ENG & [0 to 99 / 0 / 1times/step] \\
\hline & \multicolumn{3}{|l|}{Counts Vsg error.} \\
\hline \multirow{2}{*}{033} & Vsg Error Counter (Rear) & *ENG & [0 to 99 / 0 / 1times/step] \\
\hline & \multicolumn{3}{|l|}{Counts Vsg error.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{3321} & \multicolumn{3}{|l|}{[Adjusted Vsg]} \\
\hline & \multicolumn{3}{|l|}{Displays specular reflection light output of belt background area adjusted Vsg.} \\
\hline 001 & Vsg reg (Front) & *ENG & \multirow{3}{*}{[0.00 to 5.50 / 0.00 / 0.01V/step]} \\
\hline 002 & Vsg reg (Center) & *ENG & \\
\hline 003 & Vsg reg (Rear) & *ENG & \\
\hline \multirow{2}{*}{3321} & \multicolumn{3}{|l|}{[Adjusted Vsg]} \\
\hline & \multicolumn{3}{|l|}{Displays diffuse reflection light output of belt background area adjusted Vsg.} \\
\hline 011 & Vsg dif (Front) & *ENG & \multirow{3}{*}{[ 0.00 to \(5.50 / 0.00\) / 0.01V/step]} \\
\hline 012 & Vsg dif (Center) & *ENG & \\
\hline 013 & Vsg dif (Rear) & *ENG & \\
\hline \multirow{2}{*}{021} & Vsg reg(BW) & *ENG & [0.00 to \(5.50 / 0.00 / 0.01 \mathrm{~V} /\) step] \\
\hline & \multicolumn{3}{|l|}{Displays specular reflection light output of belt background area adjusted Vs} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{031} & Vsg dif(BW) & *ENG & [0.00 to \(5.50 / 0.00 / 0.01 \mathrm{~V} / \mathrm{step}\) ] \\
\hline & \multicolumn{3}{|l|}{Displays diffuse reflection light output of belt background area adjusted Vsg.} \\
\hline \multirow[b]{2}{*}{041} & Vsg TM (Front) & *ENG & [0.00 to \(5.50 / 0.00 / 0.01 \mathrm{~V} /\) step] \\
\hline & \multicolumn{3}{|l|}{Displays specular reflection light output of belt background area adjusted Vsg (TM_Front sensor)} \\
\hline \multirow[b]{2}{*}{04} & Vsg TM(Center) & *ENG & [0.00 to 5.50 / \(0.00 / 0.01 \mathrm{~V} /\) step] \\
\hline & \multicolumn{3}{|l|}{Displays specular reflection light output of belt background area adjusted Vsg (TM_Center sensor)} \\
\hline \multirow[b]{2}{*}{043} & Vsg TM(Rear) & *ENG & [ 0.00 to \(5.50 / 0.00 / 0.01 \mathrm{~V} /\) step] \\
\hline & \multicolumn{3}{|l|}{Displays specular reflection light output of belt background area adjusted Vsg (TM_Rear sensor)} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{3322} & \multicolumn{3}{|l|}{[Adjusted Ifsg]} \\
\hline & \multicolumn{3}{|l|}{LED ampere value for RTP.} \\
\hline 001 & Ifsg RTP (Front) & *ENG & \multirow{3}{*}{[0.0 to 50.0 / 10.0 / 0.1mA/step]} \\
\hline 002 & Ifsg RTP (Center) & *ENG & \\
\hline 003 & Ifsg RTP (Rear) & *ENG & \\
\hline \multirow{2}{*}{3322} & \multicolumn{3}{|l|}{[Adjusted Ifsg]} \\
\hline & \multicolumn{3}{|l|}{LED ampere value min. value.} \\
\hline 011 & Ifsg Min (Front) & *ENG & \multirow{3}{*}{[0.0 to 50.0 / 27.0 / 0.1mA/step]} \\
\hline 012 & Ifsg Min (Center) & *ENG & \\
\hline 013 & Ifsg Min (Rear) & *ENG & \\
\hline \multirow{2}{*}{3322} & \multicolumn{3}{|l|}{[Adjusted Ifsg]} \\
\hline & \multicolumn{3}{|l|}{LED ampere value for electric potential control;, MUSIC.} \\
\hline 021 & Ifsg: TM(Front) & *ENG & \multirow{3}{*}{[0.0 to 50.0 / 10.0 / 0.1mA/step]} \\
\hline 022 & Ifsg: TM(Center) & *ENG & \\
\hline 023 & Ifsg: TM(Rear) & *ENG & \\
\hline
\end{tabular}

\begin{tabular}{|c|c|c|c|}
\hline 3330 & \multicolumn{3}{|l|}{[ID.Sens Coef :Disp]} \\
\hline \multirow[t]{2}{*}{001} & K2(Latest) (Front) & *ENG & [0.0000 to 5.0000 / 0.0000 / 0.0001/step] \\
\hline & \multicolumn{3}{|l|}{Displays latest value of ID sensor sensitivity correction coefficient: K2.} \\
\hline \multirow[t]{2}{*}{002} & K2(Latest) (Center) & *ENG & \begin{tabular}{l}
[0.0000 to 5.0000 / 0.0000 / \\
0.0001/step]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Displays latest value of ID sensor sensitivity correction coefficient: K3.} \\
\hline \multirow[t]{2}{*}{003} & K2(Latest) (Rear) & *ENG & [0.0000 to 5.0000 / 0.0000 / 0.0001/step] \\
\hline & \multicolumn{3}{|l|}{Displays latest value of ID sensor sensitivity correction coefficient: K4.} \\
\hline \multirow[t]{2}{*}{011} & K5(Latest) (Front) & *ENG & [0.0000 to \(5.0000 / 1.2000\) / 0.0001/step] \\
\hline & \multicolumn{3}{|l|}{Displays latest value of ID sensor sensitivity correction coefficient: K5} \\
\hline \multirow[t]{2}{*}{012} & K5(Latest) (Center) & *ENG & \begin{tabular}{l}
[0.0000 to \(5.0000 / 1.2000\) / \\
0.0001/step]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Displays latest value of ID sensor sensitivity correction coefficient: K6.} \\
\hline \multirow[t]{2}{*}{013} & K5(Latest) (Rear) & *ENG & \([0.0000\) to \(5.0000 / 1.2000 /\)
\(0.0001 /\) step \(]\) \\
\hline & \multicolumn{3}{|l|}{Displays latest value of ID sensor sensitivity correction coefficient: K7.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{3331} & \multicolumn{3}{|l|}{[ID.Sens Coef :Set]} \\
\hline & \multicolumn{3}{|l|}{Assign (no need with Tomahawk) for having compatibility with unification model sires (Ap/At, Diana, Zeus).} \\
\hline 001 & K2: Upp Limit Corr & *ENG & [-0.20 to 0.40 / 0.17 / 0.01/step] \\
\hline 002 & K2: Lwr Limit Corr & *ENG & [-0.40 to 0.20 / 0.03 / 0.01/step] \\
\hline 003 & K2: Upp/Lwr Limit Coef1 & *ENG & [ 0.00 to \(1.00 / 0.00\) / 0. 01] \\
\hline 3331 & \multicolumn{3}{|l|}{[ID.Sens Coef :Set]} \\
\hline \multirow[b]{2}{*}{004} & Kn: Upper & *ENG & [0.00 to 1.00 / 1.00 / 0.01/step] \\
\hline & \multicolumn{3}{|l|}{Sets upper limit valid range of standardization value for specular reflection used for calculating sensitivity correction: K5.} \\
\hline \multirow[b]{2}{*}{005} & Kn: Lower & *ENG & [ 0.00 to 1.00 / 0.10 / 0.01/step] \\
\hline & \multicolumn{3}{|l|}{Sets lower limit valid range of standardization value for specular reflection used for calculating sensitivity correction: K5} \\
\hline \multirow{2}{*}{006} & K5: Upper & *ENG & [0.00 to 10.00 / 6.00 / 0.01/step] \\
\hline & \multicolumn{3}{|l|}{Sets upper limit value of calculated sensitivity correction coefficient: K5.} \\
\hline \multirow{2}{*}{007} & K5: Lower & *ENG & [ 0.00 to 1.00 / 0.50 / 0.01/step] \\
\hline & \multicolumn{3}{|l|}{Sets lower limit value of calculated sensitivity correction coefficient: K5.} \\
\hline \multirow{2}{*}{008} & K5: Target Point & *ENG & [0.00 to 1.00 / 0.15 / 0.01/step] \\
\hline & \multicolumn{3}{|l|}{Sets proofreading point (Kn) of sensitivity correction coefficient: K5.} \\
\hline \multirow{2}{*}{009} & K5: Target Voltage & *ENG & [0.00 to \(5.00 / 1.63\) / 0.01V/step] \\
\hline & \multicolumn{3}{|l|}{Sets proofreading point (Kn) of sensitivity correction coefficient: K5.} \\
\hline \multirow{2}{*}{012} & Corrct Coef: \({ }^{\text {C }}\) & *ENG & [0.500 to \(1.500 / 1.000 / 0.001 /\) step] \\
\hline & \multicolumn{3}{|l|}{Sets color diff correction coefficient (C) of Delta Vsp_Dif_Dash.} \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|l|}
\hline \multirow{3}{*}{013} & Corrct Coef:M & *ENG & [0.500 to 1.500 / 0.996 / 0.001/step] \\
\cline { 2 - 4 } & Sets color diff correction coefficient (M) of Delta Vsp_Dif_Dash. \\
\hline \multirow{3}{*}{014} & Corrct Coef:Y & *ENG & [0.500 to 1.500 / 1.111 / 0.001/step] \\
\cline { 2 - 4 } & \multicolumn{2}{|l|}{ Sets color diff correction coefficient (Y) of Delta Vsp_Dif_Dash. } \\
\hline
\end{tabular}
\begin{tabular}{|r|l|c|l|}
\hline 3332 & \multicolumn{2}{|l|}{ [M/A Calculation] } & \multicolumn{2}{|l|}{\begin{tabular}{l} 
Assign (no need with Tomahawk) for having compatibility with unification model \\
sires (Ap/At, Diana, Zeus).
\end{tabular}} \\
\hline 001 & Corrct Coef:K & *ENG & \\
\hline 002 & Corrct Coef:C & *ENG & \multirow{2}{*}{ [0.50 to 2.00 / 1.00 / 0.01/step] } \\
\hline 003 & Corrct Coef:M & *ENG & \\
\hline 004 & Corrct Coef:Y & *ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{3333} & \multicolumn{3}{|l|}{[ID.Sens TestVal:F]} \\
\hline & \multicolumn{3}{|l|}{Shipping test value of ID sensor. Factory inputs using process application. Service personal inputs when on the market.} \\
\hline 001 & K2: Check & *ENG & [0.000 to 1.000 / 0.516 / 0.001/step] \\
\hline 002 & Diffuse Corr & *ENG & [0.75 to 1.35 / 1.00 / 0.01/step] \\
\hline 003 & Vct_reg Check:Slope & *ENG & [ 0.0 to 200.0 / 0.0 / \(0.1 \mathrm{mV} / \mathrm{mA}\) ] \\
\hline 004 & Vct_reg Check:Xint & *ENG & [0.0 to 25.5 / 0.0 / 0.1mA/step] \\
\hline 005 & Vct_dif Check:Slope & *ENG & [ 0.0 to 200.0 / 0.0 / \(0.1 \mathrm{mV} / \mathrm{mA}\) ] \\
\hline 006 & Vct_dif Check:Xint & *ENG & [0.0 to 25.5 / 0.0 / 0.1mA/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{3334} & \multicolumn{3}{|l|}{[ID.Sens TestVal:C]} \\
\hline & \multicolumn{3}{|l|}{Shipping test value of ID sensor. Factory inputs using process application. Service personal inputs when on the market.} \\
\hline 001 & K2: Check & *ENG & [0.000 to \(1.000 / 0.516 / 0.001 /\) step] \\
\hline 002 & Diffuse Corr & *ENG & [ 0.75 to 1.35 / 1.00 / 0.01/step] \\
\hline 003 & Vct_reg Check:Slope & *ENG & [0.0 to 200.0/0.0 / 0.1mV/mA] \\
\hline 004 & Vct_reg Check:Xint & *ENG & [0.0 to 25.5 / 0.0 / 0.1mA/step] \\
\hline 005 & Vct_dif Check:Slope & *ENG & [0.0 to \(200.0 / 0.0 / 0.1 \mathrm{mV} / \mathrm{mA}\) ] \\
\hline 006 & Vct_dif Check:Xint & *ENG & [0.0 to 25.5 / 0.0 / 0.1mA/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{3335} & \multicolumn{3}{|l|}{[ID.Sens TestVal:R]} \\
\hline & \multicolumn{3}{|l|}{Shipping test value of ID sensor. Factory inputs using process application. Service personal inputs when on the market.} \\
\hline 001 & K2: Check & *ENG & [0.000 to \(1.000 / 0.516\) / 0.001/step] \\
\hline 002 & Diffuse Corr & *ENG & [0.75 to 1.35 / 1.00 / 0.01/step] \\
\hline 003 & Vct_reg Check:Slope & *ENG & [0.0 to 200.0 / 0.0 / 0.1mV/mA/step] \\
\hline 004 & Vct_reg Check:Xint & *ENG & [ 0.0 to 25.5 / 0.0 / 0.1mA/step] \\
\hline 005 & Vct_dif Check:Slope & *ENG & [0.0 to 200.0 / 0.0 / 0.1mV/mA/step] \\
\hline 006 & Vct_dif Check:Xint & *ENG & [0.0 to 25.5 / 0.0 / 0.1mA/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{3400} & \multicolumn{3}{|l|}{[Toner Supply Type]} \\
\hline & \multicolumn{3}{|l|}{Selects toner supply method.} \\
\hline 001 & K & *ENG & \\
\hline 002 & C & *ENG & 0: Fixed \\
\hline 003 & M & *ENG & 2: PID \\
\hline 004 & Y & *ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{3411} & \multicolumn{3}{|l|}{[Toner Supply Qty]} \\
\hline & \multicolumn{3}{|l|}{Displays latest value of supply amount calculated from toner supply amount computation formula.} \\
\hline 001 & K & ENG & \multirow{4}{*}{[0.0 to 40000.0 / 0.0 / 0.1mg/step]} \\
\hline 002 & C & ENG & \\
\hline 003 & M & ENG & \\
\hline 004 & Y & ENG & \\
\hline
\end{tabular}
\begin{tabular}{|r|l|c|l|}
\hline \multirow{2}{*}{3420} & \multicolumn{3}{|l|}{ [DeveloperWeight] } \\
\cline { 2 - 3 } & \multicolumn{3}{|l|}{ Sets amount of developer weight. } \\
\hline 001 & Total_Weight:K & *ENG & \\
\hline 002 & Total_Weight:CMY & *ENG & [50 to \(2000 / 380 / 1 \mathrm{~g} / \mathrm{step}]\) \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{3421} & \multicolumn{3}{|l|}{[TnrSply Ability]} \\
\hline & \multicolumn{3}{|l|}{Sets toner supply ability from sub hopper to develop unit.} \\
\hline 001 & K & *ENG & \multirow{4}{*}{\([0.001\) to \(2.000 / 0.710 /\)
\(0.001 \mathrm{mg} / \mathrm{msec}]\)} \\
\hline 002 & C & *ENG & \\
\hline 003 & M & *ENG & \\
\hline 004 & Y & *ENG & \\
\hline \multirow{2}{*}{3421} & \multicolumn{3}{|l|}{[TnrSply Ability]} \\
\hline & \multicolumn{3}{|l|}{Corrects supply ability based on supplying time per time unit.} \\
\hline 011 & TnrSplyAbilityCoef1 & *ENG & \multirow{2}{*}{[0.50 to 2.00 / 1.12 / 0.01/step]} \\
\hline 012 & TnrSplyAbilityCoef2 & *ENG & \\
\hline 013 & TnrSplyAbilityCoef3 & *ENG & [0.50 to 2.00 / 1.10 / 0.01/step] \\
\hline 014 & TnrSplyAbilityCoef4 & *ENG & [ 0.50 to 2.00 / 1.06 / 0.01/step] \\
\hline 015 & TnrSplyAbilityCoef5 & *ENG & [ 0.50 to 2.00 / 1.00 / 0.01/step] \\
\hline 016 & TnrSplyAbilityCoef6 & *ENG & [ 0.50 to 2.00 / 0.99 / 0.01/step] \\
\hline 017 & TnrSplyAbilityCoef7 & *ENG & [ 0.50 to 2.00 / 0.98 / 0.01/step] \\
\hline 018 & TnrSplyAbilityCoef8 & *ENG & \\
\hline 019 & TnrSplyAbilityCoef9 & *ENG & [0.50 to 2.00 / 0.95 / 0.01/step] \\
\hline 020 & TnrSplyAbilityCoef10 & *ENG & \\
\hline 021 & unit time & & [0 to \(60000 / 3000 / 1 \mathrm{msec} / \mathrm{step}\) ] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{3421} & \multicolumn{3}{|l|}{[TnrSply Ability]} \\
\hline & \multicolumn{3}{|l|}{Sets absolute humidity threshold 1 of supply ability correction.} \\
\hline 031 & AbsHum Threshold:1 & *ENG & [0.0 to \(65.0 / 6.0 / 0.1 \mathrm{~g} / \mathrm{m} 3 / \mathrm{step}\) ] \\
\hline 032 & AbsHum Threshold:2 & *ENG & [0.0 to 65.0 / 12.0 / 0.1g/m3/step] \\
\hline 033 & AbsHum Threshold:3 & *ENG & [0.0 to 65.0 / 24.0 / 0.1g/m3/step] \\
\hline \multirow{2}{*}{3421} & \multicolumn{3}{|l|}{[TnrSply Ability]} \\
\hline & \multicolumn{3}{|l|}{Corrects supply ability based on absolute humidity.} \\
\hline 041 & Environ Coef1 & *ENG & \multirow{4}{*}{[0.50 to 2.00 / 1.00 / 0.01/step]} \\
\hline 042 & Environ Coef2 & *ENG & \\
\hline 043 & Environ Coef3 & *ENG & \\
\hline 044 & Environ Coef4 & *ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{3422} & \multicolumn{3}{|l|}{[Tnr Supply Limits :Set]} \\
\hline & \multicolumn{3}{|l|}{Sets max. toner supplying rate.} \\
\hline 001 & Max Supply Rate:K & *ENG & \multirow{4}{*}{[0 to 255 / 100 / 1\%/step]} \\
\hline 002 & Max Supply Rate:C & *ENG & \\
\hline 003 & Max Supply Rate:M & *ENG & \\
\hline 004 & Max Supply Rate:Y & *ENG & \\
\hline \multirow{2}{*}{3422} & \multicolumn{3}{|l|}{[Tnr Supply Limits :Set]} \\
\hline & \multicolumn{3}{|l|}{Sets min. supplying time.} \\
\hline 011 & Min Supply Time: K & *ENG & \multirow{4}{*}{[0 to 255 / 100 / 1msec/step]} \\
\hline 012 & Min Supply Time: C & *ENG & \\
\hline 013 & Min Supply Time: M & *ENG & \\
\hline 014 & Min Supply Time: Y & *ENG & \\
\hline
\end{tabular}
\begin{tabular}{|r|l|c|l|}
\hline \multirow{2}{*}{3423} & \multicolumn{3}{|l|}{ [TnrSplyCarryOver :Disp] } \\
\cline { 2 - 3 } & \multicolumn{2}{|l|}{ Sets toner supplying rate for fixed amount supplying mode. } \\
\hline 001 & Carry Over:K & *ENG & \\
\hline 002 & Carry Over:C & *ENG & \multirow{2}{*}{ [0 to \(10000 / 0 / 1 \mathrm{msec} /\) step] } \\
\hline 003 & Carry Over:M & *ENG & \\
\hline 004 & Carry Over:Y & *ENG & \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{2}{*}{3428} & \multicolumn{3}{|l|}{ [TnrSplyDelay : Setting] } \\
\cline { 2 - 4 } & \multicolumn{3}{|l|}{ Sets toner supply delay time. } \\
\hline 001 & Delay & *ENG & [0 to \(255 / 0 / 1 \mathrm{msec} / \mathrm{step}]\) \\
\hline
\end{tabular}
\begin{tabular}{|r|l|c|l|}
\hline \multirow{2}{*}{3429} & \multicolumn{3}{|l|}{ [TnrSplyPosTime :Disp] } \\
\cline { 2 - 3 } & \multicolumn{2}{|l|}{ Sets toner supplying rate for fixed amount supplying mode. } \\
\hline 001 & Latest: K & \multirow{2}{*}{ *ENG } & \\
\hline 002 & Latest: C & \multirow{2}{*}{ *ENG } & \multirow{2}{*}{ [0 to 20000 / \(0 / 1 \mathrm{msec} /\) step] } \\
\hline 003 & Latest: M & *ENG & \\
\hline 004 & Latest: \(Y\) & *ENG & \\
\hline
\end{tabular}
\begin{tabular}{|r|l|c|l|}
\hline \multirow{2}{*}{3431} & \multicolumn{2}{|l|}{ [DrvTime: Setting] } & \\
\cline { 2 - 3 } & \multicolumn{2}{|l|}{ Sets toner supplying rate for fixed amount supplying mode. } \\
\hline 001 & Tmon:K & *ENG & \\
\hline 002 & Tmon:C & \multirow{2}{*}{ *ENG } & \multirow{2}{*}{ [50 to \(1000 / \mathbf{2 0 0} / 50 \mathrm{msec} /\) step \(]\)} \\
\hline 003 & Tmon:M & *ENG & \\
\hline 004 & Tmon:Y & *ENG & \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|}
\hline \multirow{2}{*}{3432} & \multicolumn{3}{|l|}{ [DrvTime: Setting] } \\
\cline { 2 - 4 } & \multicolumn{2}{|l|}{ Sets max. continuous supplying time. } \\
\hline 001 & DriveTime(max) & *ENG \\
[0 to \(1500 / 800 / 1 \mathrm{msec} /\) step \(]\) \\
\hline
\end{tabular}
\begin{tabular}{|r|l|c|l|}
\hline \multirow{2}{*}{3440} & \multicolumn{2}{|l|}{ [Fixed Supply Mode] } & \\
\cline { 2 - 3 } & \multicolumn{2}{|l|}{ Sets toner supplying rate for fixed amount supplying mode. } \\
\hline 001 & Fixed Rate: K & \multirow{2}{*}{ *ENG } & \\
\hline 002 & Fixed Rate: C & *ENG & \multirow{2}{*}{ [0 to \(100 / 10 / 1 \% /\) step] } \\
\hline 003 & Fixed Rate: M & *ENG & \\
\hline 004 & Fixed Rate: \(Y\) & *ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{3450} & \multicolumn{3}{|l|}{[Toner Supply PID: Setting]} \\
\hline & \multicolumn{3}{|l|}{Sets supplying coefficient to supply proportion to Vt -Vtref with toner supply control. Uses PID control for toner supply.} \\
\hline 001 & Vt Proportion: K & *ENG & \multirow{4}{*}{[0 to 2550 / 50 / 1/step]} \\
\hline 002 & Vt Proportion: C & *ENG & \\
\hline 003 & Vt Proportion: M & *ENG & \\
\hline 004 & Vt Proportion: Y & *ENG & \\
\hline \multirow[b]{2}{*}{3450} & \multicolumn{3}{|l|}{[Toner Supply PID: Setting]} \\
\hline & \multicolumn{3}{|l|}{Sets supplying coefficient to supply proportion to output image's pixel (Pxl) with toner supply control. Uses PID control for toner supply.} \\
\hline 011 & Pixel Proportion: K & *ENG & \multirow{4}{*}{[0.00 to 2.55 / 0.47 / 0.01/step]} \\
\hline 012 & Pixel Proportion: C & *ENG & \\
\hline 013 & Pixel Proportion: M & *ENG & \\
\hline 014 & Pixel Proportion: Y & *ENG & \\
\hline & \multicolumn{3}{|l|}{[Toner Supply PID: Setting]} \\
\hline 3450 & \multicolumn{3}{|l|}{Displays current value of pixel proportionality coefficient 2 for supplying coefficient to supply proportion to output image's pixel (Pxl) with toner supply control. Uses PID control for toner supply.} \\
\hline 021 & Pixel Proportion 2: K & *ENG & \multirow{2}{*}{[0.00 to 2.55 / 1.00 / 0.01/step]} \\
\hline 022 & Pixel Proportion 2: C & *ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 023 & Pixel Proportion 2: M & *ENG & \\
\hline 024 & Pixel Proportion 2: Y & *ENG & \\
\hline \multirow[b]{2}{*}{3450} & \multicolumn{3}{|l|}{[Toner Supply PID: Setting]} \\
\hline & \multicolumn{3}{|l|}{Sets supplying coefficient to supply proportion to output image's pixel (Pxl) with toner supply control. Uses PID control for toner supply.} \\
\hline 031 & Correction Coeffient: 1 & *ENG & [0.00 to 2.55 / 1.00 / 0.01/step] \\
\hline 032 & Correction Coeffient: 2 & *ENG & [0.00 to 2.55 / 0.50 / 0.01/step] \\
\hline 033 & Correction Coeffient: 3 & *ENG & [0.00 to 2.55 / 0.00 / 0.01/step] \\
\hline 034 & Correction Coeffient: 4 & *ENG & [0.00 to 2.55 / 0.25 / 0.01/step] \\
\hline 035 & Correction Coeffient: 5 & *ENG & [0.00 to 2.55 / 0.50 / 0.01/step] \\
\hline \multirow[b]{2}{*}{3450} & \multicolumn{3}{|l|}{[Toner Supply PID: Setting]} \\
\hline & \multicolumn{3}{|l|}{Displays current value of pixel proportionality coefficient 3 for supplying coefficient to supply proportion to output image's pixel (Pxl) with toner supply control. Uses PID control for toner supply.} \\
\hline 041 & Pixel Proportion 3: K & *ENG & \multirow{4}{*}{[0.70 to \(1.30 / 1.00\) / 0.01/step]} \\
\hline 042 & Pixel Proportion 3: C & *ENG & \\
\hline 043 & Pixel Proportion 3: M & *ENG & \\
\hline 044 & Pixel Proportion 3: Y & *ENG & \\
\hline \multirow[b]{2}{*}{3450} & \multicolumn{3}{|l|}{[Toner Supply PID: Setting]} \\
\hline & \multicolumn{3}{|l|}{Sets supplying coefficient to supply proportion to output image's pixel (Pxl) with toner supply control. Uses PID control for toner supply.} \\
\hline 051 & Correction Value 1 & *ENG & [-0.10 to \(0.00 /-0.01 / 0.01 /\) step] \\
\hline 052 & Correction Value 2 & *ENG & [0.00 to 0.10 / 0.01 / 0.01/step] \\
\hline \multirow[b]{2}{*}{3450} & \multicolumn{3}{|l|}{[Toner Supply PID: Setting]} \\
\hline & \multicolumn{3}{|l|}{Sets transformation coefficient transforming pixel ( \(\mathrm{cm}^{\wedge} 2\) ) to supply amount (g) for supplying proportion to output image's pixel (Pxl) with toner supply control. Uses PID control for toner supply.} \\
\hline 061 & P_PxI_Coef_Err & *ENG & [0.00 to 1.00 / 0.35 / 0.01/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{3450} & \multicolumn{3}{|l|}{[Toner Supply PID: Setting]} \\
\hline & \multicolumn{3}{|l|}{Sets supplying coefficient to supply proportion to output image's pixel (PxI) with toner supply control. Uses PID control for toner supply.} \\
\hline 071 & Vt Integral Control: K & *ENG & \multirow{4}{*}{[0 to 2550 / 500 / 1/step]} \\
\hline 072 & Vt Integral Control: C & *ENG & \\
\hline 073 & Vt Integral Control: M & *ENG & \\
\hline 074 & Vt Integral Control: Y & *ENG & \\
\hline \multirow[b]{2}{*}{3450} & \multicolumn{3}{|l|}{[Toner Supply PID: Setting]} \\
\hline & \multicolumn{3}{|l|}{Sets supplying coefficient to supply in proportion to Diff. accumulate amount of Vt-Vtref with toner supply control. Uses PID control for toner supply.} \\
\hline 081 & Vt Integral Value: K & *ENG & \multirow{4}{*}{\[
\begin{aligned}
& {[-255.00 \text { to } 255.00 / 0.00 /} \\
& 0.01 / \text { /step }]
\end{aligned}
\]} \\
\hline 082 & Vt Integral Value: C & *ENG & \\
\hline 083 & Vt Integral Value: M & *ENG & \\
\hline 084 & Vt Integral Value: Y & *ENG & \\
\hline \multirow[b]{2}{*}{3450} & \multicolumn{3}{|l|}{[Toner Supply PID: Setting]} \\
\hline & \multicolumn{3}{|l|}{Sets supplying coefficient to supply in proportion to Diff. accumulate amount of Vt-Vtref with toner supply control. Uses PID control for toner supply.} \\
\hline 091 & Vt Sum Times: K & *ENG & \multirow{4}{*}{[1 to 255 / 20 / 1times/step]} \\
\hline 092 & Vt Sum Times: C & *ENG & \\
\hline 093 & Vt Sum Times: M & *ENG & \\
\hline 094 & Vt Sum Times: Y & *ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 3460 & \multicolumn{3}{|l|}{[TonerSupply :DANC]} \\
\hline \multirow{2}{*}{011} & Time_Min & *ENG & [0 to 250 / 0 / 1msec/step] \\
\hline & \multicolumn{3}{|l|}{Sets DANC min. supplying time.} \\
\hline \multirow{2}{*}{012} & Time_Max & *ENG & [ 0 to \(1000 / 200 / 1 \mathrm{msec} / \mathrm{step}\) ] \\
\hline & \multicolumn{3}{|l|}{Sets DANC max. supplying time.} \\
\hline \multirow{2}{*}{3460} & \multicolumn{3}{|l|}{[TonerSupply :DANC]} \\
\hline & \multicolumn{3}{|l|}{Sets supplying amount for when creating SMITH model.} \\
\hline 022 & SMITH_Weight:K & *ENG & \multirow{2}{*}{[1 to 500 / 140 / 1mg/step]} \\
\hline 023 & SMITH_Weight:CMY & *ENG & \\
\hline \multirow[b]{2}{*}{3460} & \multicolumn{3}{|l|}{[TonerSupply :DANC]} \\
\hline & \multicolumn{3}{|l|}{Sets transferring rate for to compensate reverse transfer amount of ANC term (pixel term).} \\
\hline 111 & Rev_Fix:K & *ENG & \multirow{4}{*}{[1.00 to 1.50 / 1.00 / 0.01/step]} \\
\hline 112 & Rev_Fix:C & *ENG & \\
\hline 113 & Rev_Fix:M & *ENG & \\
\hline 114 & Rev_Fix:Y & *ENG & \\
\hline \multirow[b]{2}{*}{3460} & \multicolumn{3}{|l|}{[TonerSupply :DANC]} \\
\hline & \multicolumn{3}{|l|}{Sets delay time of from toner supplying door to sensor for SMITH model, by control sample count.} \\
\hline 121 & TnrSplyDelay:StdSpd:K & *ENG & [0 to 200 / 27 / 1/step] \\
\hline 122 & TnrSplyDelay:MidSpd:K & *ENG & [0 to 200 / 27 / 1/step] \\
\hline 123 & TnrSplyDelay:LowSpd:K & *ENG & [0 to 200 / 53 / 1/step] \\
\hline 131 & TnrSplyDelay:StdSpd:CMY & *ENG & [0 to 200 / 27 / 1/step] \\
\hline 132 & TnrSplyDelay:MidSpd:CMY & *ENG & [0 to 200 / 27 / 1/step] \\
\hline 133 & TnrSplyDelay:LowSpd:CMY & *ENG & [0 to \(200 / 1.00\) / 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 3461 & \multicolumn{3}{|l|}{[TonerSupply :DANC]} \\
\hline \multirow{2}{*}{001} & Pl:Power & *ENG & [ 5 to 200 / 100 / 1\%/step] \\
\hline & \multicolumn{3}{|l|}{Changes all demand value of PI term.} \\
\hline \multirow[t]{2}{*}{011} & PI:P Gain:K & *ENG & [0.0000 to 1.0000 / 0.0100 / 0.0001/step] \\
\hline & \multicolumn{3}{|l|}{Sets P gain (K).} \\
\hline \multirow{2}{*}{012} & PI:P Limits:Up:K & *ENG & [0.00 to 1.00 / 0.10 / 0.01/step] \\
\hline & \multicolumn{3}{|l|}{Sets limit against P term demanding value. (Supply plus side, K )} \\
\hline \multirow{2}{*}{013} & PI:P Limits:Low:K & *ENG & [0.00 to 1.00 / \(\mathbf{0 . 1 0}\) / 0.01/step] \\
\hline & \multicolumn{3}{|l|}{Sets limit against \(P\) term demanding value. (Supply minus side, \(K\) )} \\
\hline \multirow[t]{2}{*}{021} & Pl:I Gain:K & *ENG & [0.0000 to 1.0000 / 0.0010 / 0.0001/step] \\
\hline & \multicolumn{3}{|l|}{Sets I gain (K).} \\
\hline \multirow{2}{*}{022} & PI:I Limits:Up:K & *ENG & [0.00 to 1.00 / \(\mathbf{0 . 1 0} / 0.01 /\) step] \\
\hline & \multicolumn{3}{|l|}{Sets limit against I term demanding value. (Supply plus side, K)} \\
\hline \multirow{2}{*}{023} & PI:I Limits:Low:K & *ENG & [0.00 to 1.00 / \(\mathbf{0 . 1 0}\) / 0.01/step] \\
\hline & \multicolumn{3}{|l|}{Sets limit against I term demanding value. (Supply minus side, K)} \\
\hline \multirow[t]{2}{*}{031} & PI:P Gain:CMY & *ENG & [0.0000 to 1.0000 / 0.0100 / 0.0001/step] \\
\hline & \multicolumn{3}{|l|}{Sets P gain (CMY).} \\
\hline \multirow{2}{*}{032} & PI:P Limits:Up:CMY & *ENG & [0.00 to 1.00 / 0.10 / 0.01/step] \\
\hline & \multicolumn{3}{|l|}{Sets limit against P term demanding value. (Supply plus side, CMY)} \\
\hline \multirow{2}{*}{033} & PI:P Limits:Low:CMY & *ENG & [0.00 to 1.00 / 0.10 / 0.01/step] \\
\hline & \multicolumn{3}{|l|}{Sets limit against \(P\) term demanding value. (Supply minus side, CMY)} \\
\hline \multirow[t]{2}{*}{041} & PI:I Gain:CMY & *ENG & \begin{tabular}{l}
[0.0000 to 1.0000 / 0.0010 / \\
0.0001/step]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Sets I gain (CMY).} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{042} & PI:I Limits:Up:CMY & *ENG & [0.00 to 1.00 / 0.10 / 0.01/step] \\
\hline & \multicolumn{3}{|l|}{Sets limit against I term demanding value. (Supply plus side, CMY)} \\
\hline \multirow{2}{*}{043} & PI:I Limits:Low:CMY & *ENG & [ 0.00 to 1.00 / 0.10 / 0.01/step] \\
\hline & \multicolumn{3}{|l|}{Sets limit against I term demanding value. (Supply minus side, CMY)} \\
\hline \multirow{2}{*}{051} & AW:AWIlow:K & *ENG & [0 to 10000 / 1000 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets AW gain (K). (Normally reciprocal of P gain)} \\
\hline \multirow[b]{2}{*}{052} & AW:AWIpni:K & *ENG & [0 to 2000 / 1000 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets rate to rapidly decrease accumulate value of difference between toner density and target value. (K: Supply plus side)} \\
\hline \multirow{2}{*}{061} & AW:AWIlow:CMY & *ENG & [0 to 10000 / 1000 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets AW gain (CMY). (Normally reciprocal of P gain)} \\
\hline \multirow[b]{2}{*}{062} & AW:AWIpni:CMY & *ENG & [0 to 2000 / 1000 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets rate to rapidly decrease accumulate value of difference between toner density and target value. (CMY: Supply plus side)} \\
\hline \multirow{2}{*}{3461} & \multicolumn{3}{|l|}{[TonerSupply :DANC]} \\
\hline & \multicolumn{3}{|l|}{Corrects line speed for demand value of PI term.} \\
\hline 102 & PI:LineSpdCoef:MidSpd:K & *ENG & \multirow{4}{*}{[0.05 to \(1.00 / 0.50 / 0.01 /\) step]} \\
\hline 103 & PI:LineSpdCoef:LowSpd:K & *ENG & \\
\hline 112 & PI:LineSpdCoef:StdSpd:CMY & *ENG & \\
\hline 113 & PI:LineSpdCoef:LowSpd:CMY & *ENG & \\
\hline 3461 & \multicolumn{3}{|l|}{[TonerSupply :DANC]} \\
\hline \multirow{2}{*}{121} & SMITH:Gain:K & *ENG & [ 0.00 to 2.00 / 1.00 / 0.01/step] \\
\hline & \multicolumn{3}{|l|}{Changes gain (amplitude of model) for SMITH model. (K)} \\
\hline \multirow{2}{*}{122} & SMITH:MidSpd:K & *ENG & [0.00 to 1.00 / 1.00 / 0.01/step] \\
\hline & \multicolumn{3}{|l|}{Corrects line speed for gain of SMITH model. (Middle speed, K)} \\
\hline 123 & SMITH:LowSpd:K & *ENG & [0.00 to 1.00 / 1.00 / 0.01/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline & \multicolumn{3}{|l|}{Corrects line speed for gain of SMITH model. (Low speed, K)} \\
\hline \multirow{2}{*}{131} & SMITH:Gain:CMY & *ENG & [0.00 to 2.00 / 1.00 / 0.01/step] \\
\hline & \multicolumn{3}{|l|}{Changes gain (amplitude of model) for SMITH model. (CMY)} \\
\hline \multirow{2}{*}{132} & SMITH:MidSpd:CMY & *ENG & [0.00 to 1.00 / 1.00 / 0.01/step] \\
\hline & \multicolumn{3}{|l|}{Corrects line speed for gain of SMITH model. (Middle speed, CMY)} \\
\hline \multirow{2}{*}{133} & SMITH:LowSpd:CMY & *ENG & [0.00 to 1.00 / 1.00 / 0.01/step] \\
\hline & \multicolumn{3}{|l|}{Corrects line speed for gain of SMITH model. (Low speed, CMY)} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 3462 & \multicolumn{3}{|l|}{[TonerSupply :DANC]} \\
\hline \multirow[t]{2}{*}{001} & ANC:Power & *ENG & \begin{tabular}{l}
[0 to 200 / 100 / 1\%/step] \\
100: Standard control \\
0: No ANC
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Changes all ANC filters demand value of ANC term.} \\
\hline \multirow{2}{*}{101} & ANC:Gain:K & *ENG & [0.00 to 2.00 / 1.00 / 0.01/step] \\
\hline & \multicolumn{3}{|l|}{Sets gain for all ANC filters. (K)} \\
\hline \multirow{2}{*}{102} & ANC:MidSpd:K & *ENG & [0.05 to 1.00 / 1.00 / 0.01/step] \\
\hline & \multicolumn{3}{|l|}{Corrects line speed for gain of all ANC filters. (Middle speed, K)} \\
\hline \multirow{2}{*}{103} & ANC:LowSpd:K & *ENG & [0.05 to 1.00 / 1.00 / 0.01/step] \\
\hline & \multicolumn{3}{|l|}{Corrects line speed for gain of all ANC filters. (Low speed, K)} \\
\hline \multirow{2}{*}{111} & ANC:Gain:CMY & *ENG & [0.00 to 2.00 / 1.00 / 0.01/step] \\
\hline & \multicolumn{3}{|l|}{Sets gain for all ANC filters. (CMY)} \\
\hline \multirow{2}{*}{112} & ANC:MidSpd:CMY & *ENG & [0.05 to 1.00 / 1.00 / 0.01/step] \\
\hline & \multicolumn{3}{|l|}{Corrects line speed for gain of all ANC filters. (Middle speed, CMY)} \\
\hline \multirow{2}{*}{113} & ANC:LowSpd:CMY & *ENG & [0.05 to 1.00 / 1.00 / 0.01/step] \\
\hline & \multicolumn{3}{|l|}{Corrects line speed for gain of all ANC filters. (Low speed, CMY)} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{3463} & \multicolumn{3}{|l|}{[TonerSupply :DANC]} \\
\hline & \multicolumn{3}{|l|}{Saves I term corresponding to power OFF/ON.} \\
\hline 101 & Int:I:K & *ENG & \multirow{4}{*}{\([-1000.0000\) to \(1000.0000 / 0.0000 /\)
0.0001/step]} \\
\hline 102 & Int:I:C & *ENG & \\
\hline 103 & Int:I:M & *ENG & \\
\hline 104 & Int:I:Y & *ENG & \\
\hline \multirow{2}{*}{3463} & \multicolumn{3}{|l|}{[TonerSupply :DANC]} \\
\hline & \multicolumn{3}{|l|}{Saves ANC term (pixel term) corresponding to power OFF/ON.} \\
\hline 111 & ANC:ref Sum:K & *ENG & \multirow{4}{*}{[-1000.0000 to 1000.0000 / 0.0000 / 0.0001/step]} \\
\hline 112 & ANC:ref Sum:C & *ENG & \\
\hline 113 & ANC:ref Sum:M & *ENG & \\
\hline 114 & ANC:ref Sum:Y & *ENG & \\
\hline \multirow{2}{*}{3463} & \multicolumn{3}{|l|}{[TonerSupply :DANC]} \\
\hline & \multicolumn{3}{|l|}{Displays image area for the latest page.} \\
\hline 201 & ImgArea:K & *ENG & \multirow{4}{*}{[0 to 9999 / 0 / 1cm2/step]} \\
\hline 202 & ImgArea:C & *ENG & \\
\hline 203 & ImgArea:M & *ENG & \\
\hline 204 & ImgArea: Y & *ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 3500 & \multicolumn{3}{|l|}{[ImgQltyAdj :ON/OFF]} \\
\hline \multirow[t]{2}{*}{001} & ALL & *ENG & \[
\begin{aligned}
& {[0 \text { or } 1 / 1 / 1 / \text { step }]} \\
& 0: \text { OFF } \\
& 1: \text { ON }
\end{aligned}
\] \\
\hline & \multicolumn{3}{|l|}{Sets execution judge to OFF of all imaging system adjustments.} \\
\hline \multirow[t]{2}{*}{002} & ProCon & *ENG & \[
\begin{aligned}
& {[0 \text { or } 1 / 1 / 1 / \text { step }]} \\
& 0: \text { OFF } \\
& 1: \text { ON }
\end{aligned}
\] \\
\hline & \multicolumn{3}{|l|}{Sets execution judge to OFF of electric potential control.} \\
\hline \multirow{2}{*}{003} & MUSIC Condition:Auto Exe & *ENG & [ 0 or 1 / 1 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Forcedly sets MUSIC auto execution to OFF.} \\
\hline \multirow[t]{2}{*}{004} & Init TD Sensor & *ENG & \[
\begin{aligned}
& {[0 \text { or } 1 / 1 / 1 / \text { step }]} \\
& 0: \text { OFF } \\
& 1: \text { ON }
\end{aligned}
\] \\
\hline & \multicolumn{3}{|l|}{Sets execution judge to OFF for initial setting of TD sensor.} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|c|l|}
\hline \multirow{2}{*}{3510} & \multicolumn{3}{|l|}{ [ImgQltyAdj: :ExeFlag] } \\
\cline { 2 - 3 } & \multicolumn{2}{|l|}{\begin{tabular}{l} 
Sets execution flag for toner recovery (Executes toner recovery with setting to \\
"1" and power OFF/ON, or close front cover.)
\end{tabular}} \\
\hline 001 & Toner Recovery: K & *ENG & \\
\hline 002 & Toner Recovery: C & *ENG & \multirow{3}{*}{ [0 to 3/0 / 1/step] } \\
\hline 003 & Toner Recovery: M & *ENG & \\
\hline 004 & Toner Recovery: Y & *ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{3510} & \multicolumn{3}{|l|}{[ImgQItyAdj : ExeFlag]} \\
\hline & \multicolumn{3}{|l|}{Sets execution flag for initial setting of TD sensor. (TD sensor's initial setting will be executed by setting to "1" and power OFF/ON)} \\
\hline 011 & Init TD Sensor :K & *ENG & \multirow{4}{*}{[0 or 1 / 0 / 1/step]} \\
\hline 012 & Init TD Sensor :C & *ENG & \\
\hline 013 & Init TD Sensor :M & *ENG & \\
\hline 014 & Init TD Sensor :Y & *ENG & \\
\hline 3510 & \multicolumn{3}{|l|}{[ImgQltyAdj :ExeFlag]} \\
\hline \multirow[b]{2}{*}{021} & Process Control & *ENG & [ 0 to \(2 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets execution flag for Pro-Con (Executes Pro-Con with setting to "1" and power OFF/ON, or close front cover.)} \\
\hline \multirow[b]{2}{*}{022} & Developer Agitating & *ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets execution flag for developer stir (Executes developer stir with setting to "1" and power OFF/ON, or close front cover.)} \\
\hline \multirow[b]{2}{*}{023} & Blade Damage Prevention & *ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets execution flag for blade burr prevent mode (Executes blade burr prevent mode with setting to "1" and power OFF/ON or closing front cover.)} \\
\hline \multirow[t]{2}{*}{024} & MUSIC & *ENG & \begin{tabular}{l}
[0 to \(3 / 0 / 1 /\) step] \\
0: OFF \\
1: Mode:b \\
2: Mode:a \\
3: Mode:e
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Sets execution flag for MUSIC (MUSIC (1time) with setting "1" and power OFF/ON or closing font cover, MUSIC (2times) with setting "2", real time MUSIC with setting "3")} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{025} & Vsg Adj. & *ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets execution flag for Vsg adjust (Executes Vsg adjust with setting to "1" and power OFF/ON, or close front cover.)} \\
\hline \multirow[b]{2}{*}{026} & Charge AC Adj. & *ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets execution flag for Electrify roller cleaning (K) (Executes Electrify roller cleaning ( \(K\) ) with setting to " 1 " and power OFF/ON, or close from cover.)} \\
\hline 3510 & \multicolumn{3}{|l|}{[ImgQityAdj :ExeFlag]} \\
\hline \multirow[b]{2}{*}{031} & Init Toner Replenish: K & *ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets execution flag for toner initial filler (K) (Executes toner recovery (K) with setting to "1" and power OFF/ON, or close front cover.)} \\
\hline \multirow[b]{2}{*}{032} & Init Toner Replenish: C & *ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets execution flag for toner initial filler (C) (Executes toner recovery (C) with setting to "1" and power OFF/ON, or close front cover.)} \\
\hline \multirow[b]{2}{*}{033} & Init Toner Replenish: M & *ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets execution flag for toner initial filler (M) (Executes toner recovery (M) with setting to "1" and power OFF/ON, or close front cover.)} \\
\hline \multirow[b]{2}{*}{034} & Init Toner Replenish: Y & *ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets execution flag for toner initial filler \((\mathrm{Y})\) (Executes toner recovery \((\mathrm{Y})\) with setting to "1" and power OFF/ON, or close front cover.)} \\
\hline 041 & DEMS & & [0 or \(1 / 0\) / 1/step] \\
\hline \multirow[b]{2}{*}{042} & IBACC & *ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets execution flag for toner initial filler \((\mathrm{Y})\) (Executes toner recovery \((\mathrm{Y})\) with setting to "1" and power OFF/ON, or close front cover.)} \\
\hline \multirow[b]{2}{*}{043} & Vsg in TrnsBlt:corr & *ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets execution flag for toner initial filler \((\mathrm{Y})\) (Executes toner recovery \((\mathrm{Y})\) with setting to "1" and power OFF/ON, or close front cover.)} \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|l|}
\hline \multirow{3}{*}{044} & Dev. AC Adj. & *ENG & [0 or \(1 / 0 / 1 /\) step \(]\) \\
\cline { 2 - 4 } & \begin{tabular}{l} 
Sets execution flag for develop AC adjust (Executes with setting to "1" and \\
power OFF/ON, or close from cover.)
\end{tabular} \\
\hline \multirow{3}{*}{045} & BIT1 & *ENG & {\([0\) or \(1 / 0 / 1 /\) step \(]\)} \\
\cline { 2 - 4 } & Execution flag for image adjust of BIT 1 control. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 3520 & \multicolumn{3}{|l|}{[ImgQItyAdj : Interval]} \\
\hline \multirow{2}{*}{001} & During Job & *ENG & [0 to 100 / 30 / 1page/step] \\
\hline & \multicolumn{3}{|l|}{Sets image adjust judgment page interval for during print.} \\
\hline \multirow{2}{*}{002} & During Stand-by & *ENG & [0 to 100 / 5 / 1minute/step] \\
\hline & \multicolumn{3}{|l|}{Sets image adjust judgment time interval for during standby.} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{2}{*}{3521} & \multicolumn{3}{|l|}{} \\
\cline { 2 - 4 } & Displays finish imaging time. \\
\hline 001 & Year & *ENG & {\([0\) to \(99 / 0 / 1\) year/step \(]\)} \\
\hline 002 & Month & *ENG & {\([1\) to \(12 / 1 / 1\) month/step \(]\)} \\
\hline 003 & Day & *ENG & {\([1\) to \(31 / 1 / 1\) day/step/step \(]\)} \\
\hline 004 & Hour & *ENG & {\([0\) to \(23 / 0 / 1\) hour/step \(]\)} \\
\hline 005 & Minute & *ENG & {\([0\) to \(59 / 0 / 1\) minutes/step \(]\)} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 3522 & \multicolumn{3}{|l|}{[Drum Stop Environ :Disp]} \\
\hline \multirow{2}{*}{001} & Temperature & *ENG & [-1280.0 to 1270.0 / 0.0 / 0.1deg] \\
\hline & \multicolumn{3}{|l|}{Displays (temperature) of when imaging finished.} \\
\hline \multirow{2}{*}{002} & Rel Humidity & *ENG & [0.0 to 1000.0 / 0.0 / 0.1\%RH/step] \\
\hline & \multicolumn{3}{|l|}{Displays (relative humidity) of when imaging finished.} \\
\hline \multirow{2}{*}{003} & Abs Humidity & *ENG & [0.0 to \(1000.0 / 0.0 / 0.1 \mathrm{~g} / \mathrm{m} 3 / \mathrm{step}\) ] \\
\hline & \multicolumn{3}{|l|}{Displays (absolute humidity) of when imaging finished.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 3529 & \multicolumn{3}{|l|}{[ProCon Interval Control :Set]} \\
\hline \multirow[t]{2}{*}{001} & Gamma Corr & *ENG & \[
\begin{aligned}
& {[0 \text { or } 1 / 1 / 1 / \text { step }]} \\
& 0: \text { OFF } \\
& \text { 1: ON }
\end{aligned}
\] \\
\hline & \multicolumn{3}{|l|}{Sets ON/OFF develop gamma correction for Pro-Con auto execute interval.} \\
\hline \multirow[t]{2}{*}{002} & Environ Corr & *ENG & \[
\begin{aligned}
& {[0 \text { or } 1 / 1 / 1 / \text { step }]} \\
& 0: \text { OFF } \\
& \text { 1: ON }
\end{aligned}
\] \\
\hline & \multicolumn{3}{|l|}{Sets ON/OFF environment correction for Pro-Con auto execute interval.} \\
\hline \multirow[b]{2}{*}{003} & AbsHum Threshhold & *ENG & [0.0 to 99.0 / 4.3 / 0.1g/m3/step] \\
\hline & \multicolumn{3}{|l|}{Sets absolute humidity threshold of environment correction for Pro-Con auto execute interval.} \\
\hline \multirow{2}{*}{004} & Max Cnt Threshhold & *ENG & [0 to \(99 / 2 / 1\) counts/step] \\
\hline & \multicolumn{3}{|l|}{Sets max. count threshold of Interrupt Pro-Con/Job end Pro-Con.} \\
\hline \multirow{2}{*}{005} & Exe Cnt & ENG & [0 to 255 / 0 / 1counts/step] \\
\hline & \multicolumn{3}{|l|}{Sets max. count counter of Interrupt Pro-Con/Job end Pro-Con.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{006} & Page Cnt:BW & *ENG & [0 to 5000 / 0 / 1sheet/step] \\
\hline & \multicolumn{3}{|l|}{Displays Pro-Con (BW) sheets count.} \\
\hline \multirow{2}{*}{007} & Page Cnt:FC & *ENG & [ 0 to 5000 / 0 / 1sheet/step] \\
\hline & \multicolumn{3}{|l|}{Displays Pro-Con (FC) sheets count.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 3530 & \multicolumn{3}{|l|}{[PowerON ProCon :Se]} \\
\hline \multirow{2}{*}{001} & Non-use Time Setting & *ENG & [0 to 1440 / 360 / 1minute/step] \\
\hline & \multicolumn{3}{|l|}{Sets Pro-Con execute judgment threshold of when Power ON.} \\
\hline \multirow{2}{*}{002} & Temperature Range & *ENG & [0 to 99/10 / 1deg/step] \\
\hline & \multicolumn{3}{|l|}{Sets Pro-Con execute judgment threshold of when Power ON.} \\
\hline \multirow{2}{*}{003} & Relative Humidity Range & *ENG & [0 to 99 / \(50 / 1 \% \mathrm{RH} /\) step] \\
\hline & \multicolumn{3}{|l|}{Sets Pro-Con execute judgment threshold of when Power ON.} \\
\hline \multirow{2}{*}{004} & Absolute Humidity Range & *ENG & [ 0 to \(99 / 6 / 1 \mathrm{~g} / \mathrm{m} 3 / \mathrm{step}\) ] \\
\hline & \multicolumn{3}{|l|}{Sets Pro-Con execute judgment threshold of when Power ON.} \\
\hline \multirow{2}{*}{005} & Interval:BW & *ENG & [0 to 5000 / 250 / 1sheet/step] \\
\hline & \multicolumn{3}{|l|}{Sets Pro-Con execute judgment threshold of when Power ON.} \\
\hline \multirow{2}{*}{006} & Interval:FC & *ENG & [0 to 5000 / 100 / 1sheet/step] \\
\hline & \multicolumn{3}{|l|}{Sets Pro-Con execute judgment threshold of when Power ON.} \\
\hline \multirow{2}{*}{007} & Page Cnt:BW & *ENG & [0 to 5000 / 0 / 1 sheet/step] \\
\hline & \multicolumn{3}{|l|}{Sets sheets count for Power ON Pro-Con (BW).} \\
\hline \multirow{2}{*}{008} & Page Cnt:FC & *ENG & [0 to 5000 / 0 / 1 sheet/step] \\
\hline & \multicolumn{3}{|l|}{Sets sheets count for Power ON Pro-Con (FC).} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{3531} & \multicolumn{3}{|l|}{[Non-useTime Procon :Set]} \\
\hline & \multicolumn{3}{|l|}{Sets Pro-Con execute judgment threshold for during standby.} \\
\hline 001 & Non-use Time Setting & *ENG & [0 to 1440 / 360 / 1minute/step] \\
\hline 002 & Temperature Range & *ENG & [0 to 99 / 10 / 1deg/step] \\
\hline 003 & Relative Humidity Range & *ENG & [0 to 99 / \(50 / 1 \% \mathrm{RH} /\) step] \\
\hline 004 & Absolute Humidity Range & *ENG & [0 to \(99 / 6 / 1 \mathrm{~g} / \mathrm{m} 3 / \mathrm{step}\) ] \\
\hline \multirow{2}{*}{3531} & \multicolumn{3}{|l|}{[Non-useTime Procon :Set]} \\
\hline & \multicolumn{3}{|l|}{Sets upper limit of continuously executing count for Pro-Con during standby.} \\
\hline 005 & Maximum Execution Number & *ENG & [0 to 99 / 10 / 1times/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 3533 & \multicolumn{3}{|l|}{[Interrupt ProCon :Set]} \\
\hline \multirow{2}{*}{001} & Interval:Set:BW & *ENG & [0 to 5000 / 500 / 1sheet/step] \\
\hline & \multicolumn{3}{|l|}{Sets number of sheets interval for Interrupt Pro-Con (BW).} \\
\hline \multirow{2}{*}{002} & Interval:Disp:BW & *ENG & [0 to 5000 / 500 / 1sheet/step] \\
\hline & \multicolumn{3}{|l|}{Displays number of sheets interval for Interrupt Pro-Con (BW).} \\
\hline \multirow[b]{2}{*}{003} & Corr(Short):BW & *ENG & [0.00 to 1.00 / 1.00 / 0.01/step] \\
\hline & \multicolumn{3}{|l|}{Sets correcting coefficient (Short) of number of sheets interval for Interrup Pro-Con (BW).} \\
\hline \multirow[b]{2}{*}{004} & Corr(Mid):BW & *ENG & [0.00 to 1.00 / 1.00 / 0.01/step] \\
\hline & \multicolumn{3}{|l|}{Sets correcting coefficient (Mid) of number of sheets interval for Interrupt Pro-Con (BW).} \\
\hline \multirow{2}{*}{011} & Interval:Set:FC & *ENG & [0 to 5000 / 200 / 1sheet/step] \\
\hline & \multicolumn{3}{|l|}{Sets number of sheets interval for Interrupt Pro-Con (FC).} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{012} & Interval:Disp:FC & *ENG & [0 to 5000 / 200 / 1sheet/step] \\
\hline & \multicolumn{3}{|l|}{Displays number of sheets interval for Interrupt Pro-Con (FC).} \\
\hline \multirow[b]{2}{*}{013} & Corr(Short):FC & *ENG & [0.00 to 1.00 / 1.00 / 0.01/step] \\
\hline & \multicolumn{3}{|l|}{Sets correcting coefficient (Short) of number of sheets interval for Interrupt Pro-Con (FC).} \\
\hline \multirow[b]{2}{*}{014} & Corr(Mid):FC & *ENG & [0.00 to 1.00 / 1.00 / 0.01/step] \\
\hline & \multicolumn{3}{|l|}{Sets correcting coefficient (Mid) of number of sheets interval for Interrupt Pro-Con (FC).} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 3534 & \multicolumn{3}{|l|}{[JobEnd ProCon :Set]} \\
\hline \multirow{2}{*}{001} & Interval:Set:BW & *ENG & [0 to 5000 / 500 / 1sheet/step] \\
\hline & \multicolumn{3}{|l|}{Sets number of sheets interval for Job end Pro-Con (BW).} \\
\hline \multirow{2}{*}{002} & Interval:Disp:BW & *ENG & [0 to 5000 / 500 / 1sheet/step] \\
\hline & \multicolumn{3}{|l|}{Displays number of sheets interval for Job end Pro-Con (BW).} \\
\hline \multirow[b]{2}{*}{003} & Corr(Short):BW & *ENG & [0.00 to 1.00 / 1.00 / 0.01/step] \\
\hline & \multicolumn{3}{|l|}{Sets correcting coefficient (Short) of number of sheets interval for Job end Pro-Con (BW).} \\
\hline \multirow[b]{2}{*}{004} & Corr(Mid): BW & *ENG & [0.00 to 1.00 / 1.00 / 0.01/step] \\
\hline & \multicolumn{3}{|l|}{Sets correcting coefficient (Mid) of number of sheets interval for Job end Pro-Con (BW).} \\
\hline \multirow{2}{*}{011} & Interval:Set:FC & *ENG & [ 0 to 1000 / 200 / 1sheet/step] \\
\hline & \multicolumn{3}{|l|}{Sets number of sheets interval for Job end Pro-Con (FC).} \\
\hline \multirow{2}{*}{012} & Interval:Disp:FC & *ENG & [0 to 5000 / 200 / 1sheet/step] \\
\hline & \multicolumn{3}{|l|}{Displays number of sheets interval for Job end Pro-Con (FC).} \\
\hline \multirow[b]{2}{*}{013} & Corr(Short):FC & *ENG & [0.00 to 1.00 / 1.00 / 0.01/step] \\
\hline & \multicolumn{3}{|l|}{Sets correcting coefficient (Short) of number of sheets interval for Job end Pro-Con (FC).} \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|l|}
\hline \multirow{3}{*}{014} & Corr(Mid):FC & *ENG & [0.00 to 1.00 / 1.00 / 0.01/step] \\
\cline { 2 - 4 } & \begin{tabular}{l} 
Sets correcting coefficient (Mid) of number of sheets interval for Job end \\
Pro-Con (FC).
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 3539 & \multicolumn{3}{|l|}{[Dev Agitating Time : Set]} \\
\hline \multirow{2}{*}{001} & Time & *ENG & [0 to 3000 / 10/1sec/step] \\
\hline & \multicolumn{3}{|l|}{Sets Developer Agitating Time.} \\
\hline \multirow{2}{*}{010} & ON/OFF(by RelHum) & *ENG & [0 or 1 / 1 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets ON/OFF for Absolute Humidity Correction for Developer Agitating Time.} \\
\hline \multirow{2}{*}{3539} & \multicolumn{3}{|l|}{[Dev Agitating Time :Set]} \\
\hline & \multicolumn{3}{|l|}{Sets stirring time based on relative humidity of developer stirring time.} \\
\hline 011 & by RelHum:1 & *ENG & [0 to \(3000 / 0 / 1 \mathrm{sec} /\) step] \\
\hline 012 & by RelHum:2 & *ENG & \multirow{5}{*}{[0 to 3000 / 5 / 1sec/step]} \\
\hline 013 & by RelHum:3 & *ENG & \\
\hline 014 & by RelHum:4 & *ENG & \\
\hline 015 & by RelHum:5 & *ENG & \\
\hline 016 & by RelHum: 6 & *ENG & \\
\hline 021 & RelHum Threshold:1 & *ENG & [0 to 1000 / 4 / 1\%RH/step] \\
\hline 022 & RelHum Threshold:2 & *ENG & [0 to 1000 / 8 / 1\%RH/step] \\
\hline 023 & RelHum Threshold:3 & *ENG & [0 to 1000 / 12 / 1\%RH/step] \\
\hline 024 & RelHum Threshold:4 & *ENG & [0 to 1000 / 16/1\%RH/step] \\
\hline 025 & RelHum Threshold:5 & *ENG & [0 to 1000 / 24 / 1\%RH/step] \\
\hline 3539 & \multicolumn{3}{|l|}{[Dev Agitating Time :Set]} \\
\hline \multirow{2}{*}{030} & ON/OFF(by Non-use Time) & *ENG & [0 or 1 / 1 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets ON/OFF exposure time correction of developer stirring time.} \\
\hline 031 & by Non-use Time:1 & & [0 to \(3000 / 0 / 1 \mathrm{sec} /\) step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 032 & by Non-use Time:2 & & \\
\hline 033 & by Non-use Time:3 & & \\
\hline 034 & by Non-use Time:4 & & \\
\hline 035 & by Non-use Time:5 & & \\
\hline 036 & by Non-use Time:6 & & \\
\hline 037 & by Non-use Time:7 & & \\
\hline 038 & by Non-use Time:8 & & \\
\hline 039 & by Non-use Time:9 & & \\
\hline 040 & by Non-use Time:10 & & \\
\hline 041 & Non-use Time Threshhold:1 & & [0 to 5000/15 / 1min/step] \\
\hline 042 & Non-use Time Threshhold:2 & & [0 to 5000 / 30/1min/step] \\
\hline 043 & Non-use Time Threshhold:3 & & [0 to 5000/60/1min/step] \\
\hline 044 & Non-use Time Threshhold:4 & & [0 to 5000 / 120 / 1min/step] \\
\hline 045 & Non-use Time Threshhold:5 & & [0 to 5000 / 240 / 1min/step] \\
\hline 046 & Non-use Time Threshhold:6 & & [0 to 5000 / 360 / 1min/step] \\
\hline 047 & Non-use Time Threshhold:7 & & [0 to 5000 / 720 / 1min/step] \\
\hline 048 & Non-use Time Threshhold:8 & & [0 to \(5000 / 1440 / 1 \mathrm{~min} / \mathrm{step}\) ] \\
\hline 049 & Non-use Time Threshhold:9 & & [0 to \(5000 / 2880 / 1 \mathrm{~min} / \mathrm{step}\) ] \\
\hline & ON/OFF(by Non-use Time) & *ENG & [ 0 or 1 / 1 / 1/step] \\
\hline & Sets ON/OFF image area cor & ion of & eloper stirring time. \\
\hline \multirow{2}{*}{3539} & [Dev Agitating Time :Set] & & \\
\hline & \multicolumn{3}{|l|}{Sets stirring time based on image area of developer stirring time.} \\
\hline 051 & by DotCoverage :1 & *ENG & \multirow{2}{*}{[0 to 3000 / 0 / 1sec/step]} \\
\hline 052 & by DotCoverage :2 & *ENG & \\
\hline 053 & by DotCoverage :3 & *ENG & \multirow{2}{*}{[0 to 3000 / 5 / 1sec/step]} \\
\hline 054 & by DotCoverage :4 & *ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 055 & by DotCoverage :5 & *ENG & \\
\hline 056 & by DotCoverage :6 & *ENG & \\
\hline \multirow{2}{*}{3539} & \multicolumn{3}{|l|}{[Dev Agitating Time : Set]} \\
\hline & \multicolumn{3}{|l|}{Sets image area threshold of developer stirring time.} \\
\hline 061 & DotCoverage Threshhold:1 & *ENG & [0 to 5000 / 10/1min/step] \\
\hline 062 & DotCoverage Threshhold:2 & *ENG & [0 to 5000 / 20/1min/step] \\
\hline 063 & DotCoverage Threshhold:3 & *ENG & [ 0 to \(5000 / 30 / 1 \mathrm{~min} / \mathrm{step}\) ] \\
\hline 064 & DotCoverage Threshhold:4 & *ENG & [ 0 to \(5000 / 40 / 1 \mathrm{~min} / \mathrm{step}\) ] \\
\hline 065 & DotCoverage Threshhold:5 & *ENG & [0 to 5000 / 50/1min/step] \\
\hline 3539 & \multicolumn{3}{|l|}{[Dev Agitating Time : Set]} \\
\hline \multirow{2}{*}{099} & UpperLimit & *ENG & [0 to \(3600 / 3600 / 1 \mathrm{sec} /\) step] \\
\hline & \multicolumn{3}{|l|}{Sets upper limit of developer stirring time.} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|c|l|}
\hline \multirow{2}{*}{3540} & \multicolumn{3}{|l|}{ [PowerON Music :Set] } \\
\cline { 2 - 3 } & \multicolumn{2}{|l|}{ Sets sheets count for Power ON MUSIC. } \\
\hline 001 & Page Cnt:BW & *ENG & \\
\hline 002 & Page Cnt:FC & *ENG & 5000 / \(0 / 1\) sheet/step] \\
\hline
\end{tabular}
\begin{tabular}{|r|r|c|l|}
\hline \multirow{2}{*}{3541} & \multicolumn{3}{|l|}{ [Music Interval :Set] } \\
\cline { 2 - 3 } & \multicolumn{2}{|l|}{ Sets sheets count for Power ON MUSIC. } \\
\hline 001 & Page Cnt:BW & *ENG & \multirow{2}{*}{ [0 to \(5000 / 0\) / 1sheet/step] } \\
\hline 002 & Page Cnt:FC & *ENG & \\
\hline \multirow{3}{*}{3541} & [Realtime Music Interval :Set] \\
\cline { 2 - 4 } & \begin{tabular}{l} 
Saves / Updates this SP with print count in B\&W + color mode since the last \\
MUSIC for to use with real time MUSIC.
\end{tabular} \\
\hline 003 & Page Cnt:BW+FC & *ENG & [0 to 5000 / 0 / 1sheet/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{3550} & \multicolumn{3}{|l|}{[Refresh Mode]} \\
\hline & \multicolumn{3}{|l|}{Display image area needs to be refreshed. Consumes toner with density adjust or when print finished if this value is larger than set.} \\
\hline 001 & Required Area: K & *ENG & \multirow{4}{*}{[0 to 65535 / 0 / 1cm^2]} \\
\hline 002 & Required Area: C & *ENG & \\
\hline 003 & Required Area: M & *ENG & \\
\hline 004 & Required Area: \(Y\) & *ENG & \\
\hline \multirow{2}{*}{3550} & \multicolumn{3}{|l|}{[Refresh Mode]} \\
\hline & \multicolumn{3}{|l|}{Uses for to calculate discharge amount when discharging toner at end of print.} \\
\hline 011 & \begin{tabular}{l}
Dev. Unit Rotation: Display: \\
Bk
\end{tabular} & *ENG & \multirow{4}{*}{[0.0 to 1000.0 / 0.0 / 0.1m/step]} \\
\hline 012 & Dev. Unit Rotation: Display: C & *ENG & \\
\hline 013 & Dev. Unit Rotation: Display: M & *ENG & \\
\hline 014 & Dev. Unit Rotation: Display: Y & *ENG & \\
\hline 3550 & \multicolumn{3}{|l|}{[Refresh Mode]} \\
\hline \multirow{2}{*}{021} & Rotation Threshold & *ENG & [0.0 to 1000.0 / 0.1 / 0.1m/step] \\
\hline & \multicolumn{3}{|l|}{Uses for execute judging of discharging toner at end of print.} \\
\hline \multirow[b]{2}{*}{3550} & \multicolumn{3}{|l|}{[Refresh Mode]} \\
\hline & \multicolumn{3}{|l|}{Uses for to calculate discharge amount when discharging toner at end of print. With increasing the value, more will be discharged.} \\
\hline 031 & Reflesh Threshold: Bk & *ENG & \multirow{4}{*}{[0 to 255 / 17 / 1cm^2/step]} \\
\hline 032 & Reflesh Threshold: C & *ENG & \\
\hline 033 & Reflesh Threshold: M & *ENG & \\
\hline 034 & Reflesh Threshold: Y & *ENG & \\
\hline 3550 & \multicolumn{3}{|l|}{[Refresh Mode]} \\
\hline \multirow{2}{*}{035} & Mode Selection Coefficient & ENG & [0 or 1 / 1 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Uses for to calculate discharge amount when discharging toner at end of print.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{3550} & \multicolumn{3}{|l|}{[Refresh Mode]} \\
\hline & \multicolumn{3}{|l|}{Uses for to calculate discharge amount when discharging toner at end of print. With increasing the value, more will be discharged.} \\
\hline 041 & Job End Area Coefficient:K & *ENG & [0.1 to 25.5 / 1.0 / 0.1/step] \\
\hline 042 & Job End Vb Coefficient:K & *ENG & [0 to 100 / 40 / 1\%/step] \\
\hline 043 & Job End Length:K & *ENG & [0 to 255 / 25 / 1mm/step] \\
\hline 044 & Job End Supply & *ENG & \begin{tabular}{l}
[0.000 to 1.000 / 0.450 / \\
\(\left.0.001 \mathrm{mg} / \mathrm{cm}^{\wedge} 2\right]\)
\end{tabular} \\
\hline 045 & \begin{tabular}{l}
Job End Area \\
Coefficient:YMC
\end{tabular} & *ENG & [0.1 to 25.5 / 1.0 / 0.1/step] \\
\hline 046 & Job End Vb Coefficient:YMC & *ENG & [0 to 100 / 40 / 1\%/step] \\
\hline 047 & Job End Length:YMC & *ENG & [0 to 255 / 25 / 1mm/step] \\
\hline 3550 & \multicolumn{3}{|l|}{[Refresh Mode]} \\
\hline \multirow{2}{*}{081} & TC Adj. Consume(Upp Limit) & *ENG & [ 0 to \(255 / 20\) / 1times/step] \\
\hline & \multicolumn{3}{|l|}{Sets consume counts (upper limit) for toner density adjusting Pro-Con.} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline 3552 & \multicolumn{4}{l|}{ [Blade damage prevention mode] } \\
\hline \multirow{3}{*}{001} & Execution Temp. Threshold & *ENG & [0 to \(50 / 40 / 1 \mathrm{deg} /\) step] \\
\cline { 2 - 4 } & \multicolumn{3}{|l|}{ Sets temperature threshold for creating blade Tear off prevent pattern. } \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 3553 & \multicolumn{3}{|l|}{[Transfer belt cleaning]} \\
\hline & \begin{tabular}{l}
TransferldleTime \\
Temperature:H
\end{tabular} & *ENG & \begin{tabular}{l}
[0.0 to 3.0 / 0.0 / \\
0.1revolutions/step]
\end{tabular} \\
\hline 001 & \multicolumn{3}{|l|}{Prevents poor cleaning by racing the image transfer when going over temperature threshold t 2 and poor cleaning occurred right after Pro-Con/MUSIC etc... adjust pattern was entered.} \\
\hline 002 & \begin{tabular}{l}
TransferldleTime \\
Temperature:M
\end{tabular} & *ENG & \begin{tabular}{l}
[0.0 to 3.0 / 0.0 / \\
0.1revolutions/step]
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline & \multicolumn{3}{|l|}{Prevents poor cleaning by racing the image transfer when between temperature threshold t1to t2 and poor cleaning occurred right after Pro-Con/MUSIC etc... adjust pattern was entered.} \\
\hline \multirow[b]{2}{*}{003} & TransferIdleTime Temperature:L & *ENG & \begin{tabular}{l}
[0.0 to 3.0 / 0.0 / \\
0.1revolutions/step]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Prevents poor cleaning by racing the image transfer when smaller than temperature threshold \(\mathrm{t1}\) and poor cleaning occurred right after Pro-Con/MUSIC etc... adjust pattern was entered.} \\
\hline \multirow[b]{2}{*}{004} & \begin{tabular}{l}
TransferIdleTime \\
Temperature:L:ON
\end{tabular} & *ENG & \begin{tabular}{l}
[0.0 to 3.0 / 0.0 / \\
0.1revolutions/step]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Prevents poor cleaning by racing the image transfer when smaller than temperature threshold t 1 and poor cleaning occurred right after Pro-Con/MUSIC etc... adjust pattern was entered when starting up machine fist in the morning.} \\
\hline \multirow[b]{2}{*}{005} & Temperature Threshold:T2 & *ENG & [20 to 30 / 25 / 1deg/step] \\
\hline & \multicolumn{3}{|l|}{Adjusts temperature threshold of poor cleaning to occur after Pro-Con/MUSIC etc... adjusting pattern was entered.} \\
\hline \multirow[b]{2}{*}{006} & Temperature Threshold:T1 & *ENG & [0 to 15 / 15 / 1deg/step] \\
\hline & \multicolumn{3}{|l|}{Adjusts temperature threshold of poor cleaning to occur after Pro-Con/MUSIC etc... adjusting pattern was entered.} \\
\hline \multirow[b]{2}{*}{007} & Temperature Threshold:T3 & *ENG & [0 to \(30 / 5 / 1 \mathrm{deg} / \mathrm{step}\) ] \\
\hline & \multicolumn{3}{|l|}{Adjusts threshold for wide stripes to occur in the image of the next job caused by image transfer belt cleaning after job stops.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 3554 & \multicolumn{3}{|l|}{[TransBItCleanBladeRepIMode:Exe]} \\
\hline \multirow[b]{2}{*}{001} & Execute & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Executes replace mode of paper transfer cleaning blade. \\
* Specification unapplied SP, No use.
\end{tabular}} \\
\hline \multirow[b]{2}{*}{002} & Idle Time & ENG & [0.1 to 60.0 / 10.0 / 0.1sec/step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Sets paper transfer racing time for when replace mode of paper transfer cleaning blade. \\
* Specification unapplied SP, No use.
\end{tabular}} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline 3555 & \multicolumn{4}{|l|}{ [ImageQuality Adj. Counter:Disp] } \\
\hline \multirow{3}{*}{001} & Charge AC Control & *ENG & [0 to 2000 / 0 / 1page/step] \\
\cline { 2 - 4 } & \multicolumn{2}{|l|}{ For to use with adjusting control of electrify AC bias. } \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 3600 & \multicolumn{3}{|l|}{[Select ProCon]} \\
\hline \multirow[t]{2}{*}{001} & Potential Control & *ENG & \[
\begin{aligned}
& \text { [0 or } 1 \text { / } 1 \text { / 1/step] } \\
& \text { 0: OFF } \\
& \text { 1: ON }
\end{aligned}
\] \\
\hline & \multicolumn{3}{|l|}{Sets electric potential control method.} \\
\hline \multirow[t]{2}{*}{002} & LD Control & *ENG & \[
\begin{aligned}
& {[0 \text { to } 3 / 1 / 1 / \text { step }]} \\
& 0: \text { OFF } \\
& 1: \text { ON }
\end{aligned}
\] \\
\hline & \multicolumn{3}{|l|}{Sets LD control method.} \\
\hline \multirow[t]{2}{*}{003} & TC Adj. Mode & *ENG & \begin{tabular}{l}
[ 0 to \(3 / 3 / 1 /\) step] \\
0: Do Not Execute \\
1: 1st Power On \\
2: 1st Power On \& Job End \\
3: 1st P_On \& JE \&printing
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Sets Execution timing of toner density adjusting Pro-Con.} \\
\hline \multirow[t]{2}{*}{004} & ACC Before ProCon & *ENG & \begin{tabular}{l}
[0 to \(3 / 2 / 1 /\) step] \\
0 : NotExecute \\
1: ProcessControl \\
2: TCContorol
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Executes same action as Pro-Con executed before ACC, from SP.} \\
\hline \multirow[t]{2}{*}{006} & Pattern Cal. Method & *ENG & \begin{tabular}{l}
[ 0 to \(3 / 0 / 1 /\) step] \\
0 : FIXED \\
1: INITIALIZED \\
2: CALCULATED
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Executes same action as Pro-Con executed before ACC, from SP.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[t]{2}{*}{010} & ActivePotentialControl & *ENG & \[
\begin{aligned}
& {[0 \text { or } 1 / 1 / 1 / \text { step }]} \\
& 0: \text { OFF } \\
& 1: \text { ON }
\end{aligned}
\] \\
\hline & \multicolumn{3}{|l|}{Sets electric potential control method for during printing.} \\
\hline \multirow[t]{2}{*}{030} & IBACC:ON/OFF & *ENG & \[
\begin{aligned}
& {[0 \text { or } 1 / 1 / 1 / \text { step }]} \\
& 0: \text { OFF } \\
& 1: \text { ON }
\end{aligned}
\] \\
\hline & \multicolumn{3}{|l|}{Sets execute ON/OFF of IBACC.} \\
\hline \multirow[t]{2}{*}{060} & \begin{tabular}{l}
Vsg ITB Internal \\
Circumference Correction
\end{tabular} & *ENG & \[
\begin{aligned}
& \text { [0 or } 1 / 0 / 1 / \text { step }] \\
& 0: \text { OFF } \\
& 1: \text { ON }
\end{aligned}
\] \\
\hline & \multicolumn{3}{|l|}{Sets execute ON/OFF of Vsg paper transfer internal rotate correction.} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|c|l|}
\hline \multirow{2}{*}{3610} & \multicolumn{2}{|l|}{ [Chrg AC Control] } & \\
\cline { 2 - 3 } & \multicolumn{2}{|l|}{ Displays electrify AC control value decided with electrify AC control. } \\
\hline 001 & Std Speed: K & *ENG & \\
\hline 002 & Std Speed: C & *ENG & \multirow{3}{*}{ [0.00 to \(3.00 / \mathbf{2 . 2 0} / 0.01 \mathrm{kV}]\)} \\
\hline 003 & Std Speed: M & *ENG & \\
\hline 004 & Std Speed: Y & *ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{3611} & \multicolumn{3}{|l|}{[Chrg DC Control]} \\
\hline & \multicolumn{3}{|l|}{Displays electrify DC bias decided with Pro-Con.} \\
\hline 001 & Std Speed: K & *ENG & \multirow{6}{*}{[300 to 1000 / 690 / 1-V/step]} \\
\hline 002 & Std Speed: C & *ENG & \\
\hline 003 & Std Speed: M & *ENG & \\
\hline 004 & Std Speed: \(Y\) & *ENG & \\
\hline 011 & Mid Speed: K & *ENG & \\
\hline 012 & Mid Speed: C & *ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 013 & Mid Speed: M & *ENG & \\
\hline 014 & Mid Speed: Y & *ENG & \\
\hline 021 & Low Speed: K & *ENG & \\
\hline 022 & Low Speed: C & *ENG & \\
\hline 023 & Low Speed: M & *ENG & \\
\hline 024 & Low Speed: Y & *ENG & \\
\hline \multirow{2}{*}{3611} & \multicolumn{3}{|l|}{[Chrg DC Control]} \\
\hline & \multicolumn{3}{|l|}{Displays electrify DC bias decided with Pro-Con.} \\
\hline 031 & Std Speed: K (Front) & & [300 to 1000 / 690 / 1-V/step] \\
\hline 032 & Std Speed: C (Front) & & [300 to 1000 / 690 / 1-V/step] \\
\hline 033 & Std Speed: M (Front) & & [300 to 1000 / 690 / 1-V/step] \\
\hline 034 & Std Speed: Y (Front) & & [300 to 1000 / 690 / 1-V/step] \\
\hline 041 & Mid Speed: K (Front) & & [300 to 1000 / 690 / 1-V/step] \\
\hline 042 & Mid Speed: C (Front) & & [300 to 1000 / 690 / 1-V/step] \\
\hline 043 & Mid Speed: M (Front) & & [300 to 1000 / 690 / 1-V/step] \\
\hline 044 & Mid Speed: Y (Front) & & [300 to 1000 / 690 / 1-V/step] \\
\hline 051 & Low Speed: K (Front) & & [300 to 1000 / 690 / 1-V/step] \\
\hline 052 & Low Speed: C (Front) & & [300 to 1000 / 690 / 1-V/step] \\
\hline 053 & Low Speed: M (Front) & & [300 to 1000 / 690 / 1-V/step] \\
\hline 054 & Low Speed: Y (Front) & & [300 to 1000 / 690 / 1-V/step] \\
\hline 061 & Std Speed: K (Center) & & [300 to 1000 / 690 / 1-V/step] \\
\hline 062 & Std Speed: C (Center) & & [300 to 1000 / 690 / 1-V/step] \\
\hline 063 & Std Speed: M (Center) & & [300 to 1000 / 690 / 1-V/step] \\
\hline 064 & Std Speed: Y (Center) & & [300 to 1000 / 690 / 1-V/step] \\
\hline 071 & Mid Speed: K (Center) & & [300 to 1000 / 690 / 1-V/step] \\
\hline 072 & Mid Speed: C (Center) & & [300 to 1000 / 690 / 1-V/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 073 & Mid Speed: M (Center) & & [300 to 1000 / 690 / 1-V/step] \\
\hline 074 & Mid Speed: Y (Center) & & [300 to 1000 / 690 / 1-V/step] \\
\hline 081 & Low Speed: K (Center) & & [300 to 1000 / 690 / 1-V/step] \\
\hline 082 & Low Speed: C (Center) & & [300 to 1000 / 690 / 1-V/step] \\
\hline 083 & Low Speed: M (Center) & & [300 to 1000 / 690 / 1-V/step] \\
\hline 084 & Low Speed: Y (Center) & & [300 to 1000 / 690 / 1-V/step] \\
\hline 091 & Std Speed: K (Rear) & & [300 to 1000 / 690 / 1-V/step] \\
\hline 092 & Std Speed: C (Rear) & & [300 to 1000 / 690 / 1-V/step] \\
\hline 093 & Std Speed: M (Rear) & & [300 to 1000 / 690 / 1-V/step] \\
\hline 094 & Std Speed: Y (Rear) & & [300 to 1000 / 690 / 1-V/step] \\
\hline 101 & Mid Speed: K (Rear) & & [300 to 1000 / 690 / 1-V/step] \\
\hline 102 & Mid Speed: C (Rear) & & [300 to 1000 / 690 / 1-V/step] \\
\hline 103 & Mid Speed: M (Rear) & & [300 to 1000 / 690 / 1-V/step] \\
\hline 104 & Mid Speed: Y (Rear) & & [300 to 1000 / 690 / 1-V/step] \\
\hline 111 & Low Speed: K (Rear) & & [300 to 1000 / 690 / 1-V/step] \\
\hline 112 & Low Speed: C (Rear) & & [300 to 1000 / 690 / 1-V/step] \\
\hline 113 & Low Speed: M (Rear) & & [300 to 1000 / 690 / 1-V/step] \\
\hline 114 & Low Speed: Y (Rear) & & [300 to 1000 / 690 / 1-V/step] \\
\hline 201 & Now:Std Speed: K & ENG & [300 to 1000 / 690 / 1-V/step] \\
\hline 202 & Now:Std Speed: C & ENG & [300 to 1000 / 690 / 1-V/step] \\
\hline 203 & Now:Std Speed: M & ENG & [300 to 1000 / 690 / 1-V/step] \\
\hline 204 & Now:Std Speed: Y & ENG & [300 to 1000 / 690 / 1-V/step] \\
\hline \multirow{2}{*}{3611} & \multicolumn{3}{|l|}{[Chrg DC Control]} \\
\hline & \multicolumn{3}{|l|}{Electrify bias to actually set including value corrected with RTP.} \\
\hline 211 & Now:Mid Speed: K & ENG & [300 to 1000 / 690 / 1-V/step] \\
\hline 212 & Now:Mid Speed: C & ENG & [300 to 1000 / 690 / 1-V/step] \\
\hline \multicolumn{2}{|l|}{D176/D177SY} & 2-402 & STEM MAINTENANC \\
\hline
\end{tabular}
\begin{tabular}{|r|l|c|l|}
\hline 213 & Now:Mid Speed: M & ENG & {\([300\) to \(1000 / 690 / 1-\mathrm{V} /\) step \(]\)} \\
\hline 214 & Now:Mid Speed: Y & ENG & {\([300\) to \(1000 / 690 / 1-\mathrm{V} /\) step \(]\)} \\
\hline 221 & Now:Low Speed: K & ENG & {\([300\) to \(1000 / 690 / 1\)-V/step \(]\)} \\
\hline 222 & Now:Low Speed: C & ENG & {\([300\) to \(1000 / 690 / 1-\mathrm{V} /\) step \(]\)} \\
\hline 223 & Now:Low Speed: M & ENG & {\([300\) to \(1000 / 690 / 1-\mathrm{V} /\) step \(]\)} \\
\hline 224 & Now:Low Speed: Y & ENG & {\([300\) to \(1000 / 690 / 1-\mathrm{V} /\) step \(]\)} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{3612} & \multicolumn{3}{|l|}{[Dev DC Control]} \\
\hline & \multicolumn{3}{|l|}{Displays develop bias decided with Pro-Con.} \\
\hline 001 & Std Speed: K & *ENG & [200 to 800 / 550 / 1-V/step] \\
\hline 002 & Std Speed: C & *ENG & [200 to 800 / 550 / 1-V/step] \\
\hline 003 & Std Speed: M & *ENG & [200 to 800 / 550 / 1-V/step] \\
\hline 004 & Std Speed: Y & *ENG & [200 to 800 / 550 / 1-V/step] \\
\hline 011 & Mid Speed: K & *ENG & [200 to 800 / 550 / 1-V/step] \\
\hline 012 & Mid Speed: C & *ENG & [200 to 800 / 550 / 1-V/step] \\
\hline 013 & Mid Speed: M & *ENG & [200 to 800 / 550 / 1-V/step] \\
\hline 014 & Mid Speed: Y & *ENG & [200 to 800 / 550 / 1-V/step] \\
\hline 021 & Low Speed: K & *ENG & [200 to 800 / 550 / 1-V/step] \\
\hline 022 & Low Speed: C & *ENG & [200 to 800 / 550 / 1-V/step] \\
\hline 023 & Low Speed: M & *ENG & [200 to 800 / 550 / 1-V/step] \\
\hline 024 & Low Speed: Y & *ENG & [200 to 800 / 550 / 1-V/step] \\
\hline 031 & Std Speed: K (Front) & & [200 to 800 / 550 / 1-V/step] \\
\hline 032 & Std Speed: C (Front) & & [200 to 800 / 550 / 1-V/step] \\
\hline 033 & Std Speed: M (Front) & & [200 to 800 / 550 / 1-V/step] \\
\hline 034 & Std Speed: Y (Front) & & [200 to 800 / 550 / 1-V/step] \\
\hline 041 & Mid Speed: K (Front) & & [200 to 800 / 550 / 1-V/step] \\
\hline
\end{tabular}

\begin{tabular}{|c|c|c|c|}
\hline 104 & Mid Speed: Y (Rear) & & [200 to 800 / 550 / 1-V/step] \\
\hline 111 & Low Speed: K (Rear) & & [200 to 800 / 550 / 1-V/step] \\
\hline 112 & Low Speed: C (Rear) & & [200 to 800 / 550 / 1-V/step] \\
\hline 113 & Low Speed: M (Rear) & & [200 to 800 / 550 / 1-V/step] \\
\hline 114 & Low Speed: Y (Rear) & & [200 to 800 / 550 / 1-V/step] \\
\hline 3612 & \multicolumn{3}{|l|}{[Dev DC Control]} \\
\hline \multirow{2}{*}{120} & Set:Vb Limit & *ENG & [0 to 500 / 50/1V/step] \\
\hline & \multicolumn{3}{|l|}{Controls bias variable amount when Pro-Con interrupting.} \\
\hline \multirow{2}{*}{3612} & \multicolumn{3}{|l|}{[Dev DC Control]} \\
\hline & \multicolumn{3}{|l|}{Sets upper limit develop Vb.} \\
\hline 121 & Set:Limit TC1 & *ENG & [1.0 to 15.0 / 6.5 / 0.1wt\%/step] \\
\hline 122 & Set:Limit TC2 & *ENG & [1.0 to 15.0 / 7.0 / 0.1wt\%/step] \\
\hline 123 & Set:Page Thresh & *ENG & [0 to 999999 / 35000 / 1page/step] \\
\hline 131 & Set:Upper Vb Current:K & *ENG & \multirow{4}{*}{[0 to \(800 / 600 / 1 \mathrm{~V} /\) step]} \\
\hline 132 & Set:Upper Vb Current:C & *ENG & \\
\hline 133 & Set:Upper Vb Current:M & *ENG & \\
\hline 134 & Set:Upper Vb Current:Y & *ENG & \\
\hline \multirow{2}{*}{3612} & \multicolumn{3}{|l|}{[Dev DC Control]} \\
\hline & \multicolumn{3}{|l|}{Develop bias to actually set including value corrected with RTP.} \\
\hline 201 & Now:Std Speed: K & ENG & [200 to 800 / 690 / 1-V/step] \\
\hline 202 & Now:Std Speed: C & ENG & [200 to \(800 / 690\) / 1-V/step] \\
\hline 203 & Now:Std Speed: M & ENG & [200 to \(800 / 690\) / 1-V/step] \\
\hline 204 & Now:Std Speed: Y & ENG & [200 to \(800 / 690\) / 1-V/step] \\
\hline 211 & Now:Mid Speed: K & ENG & [200 to \(800 / 690\) / 1-V/step] \\
\hline 212 & Now:Mid Speed: C & ENG & [200 to 800 / 690 / 1-V/step] \\
\hline 213 & Now:Mid Speed: M & ENG & [200 to \(800 / 690\) / 1-V/step] \\
\hline \multicolumn{2}{|l|}{SYSTEM MAINTENANCE SECTION} & 2-405 & \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline 214 & Now:Mid Speed: \(Y\) & ENG & {\([200\) to \(800 / 690 / 1-\mathrm{V} /\) step \(]\)} \\
\hline 221 & Now:Low Speed: K & ENG & {\([200\) to \(800 / 690 / 1-\mathrm{V} /\) step \(]\)} \\
\hline 222 & Now:Low Speed: C & ENG & {\([200\) to \(800 / 690 / 1-\mathrm{V} /\) step \(]\)} \\
\hline 223 & Now:Low Speed: M & ENG & {\([200\) to \(800 / 690 / 1-\mathrm{V} /\) step \(]\)} \\
\hline 224 & Now:Low Speed: Y & ENG & {\([200\) to \(800 / 690 / 1-\mathrm{V} /\) step \(]\)} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{3613} & \multicolumn{3}{|l|}{[LD Power Control]} \\
\hline & \multicolumn{3}{|l|}{Displays LD power decided with Pro-Con.} \\
\hline 001 & Std Speed: K & *ENG & [0 to 200 / 100 / 1\%/step] \\
\hline 002 & Std Speed: C & & [0 to 200 / 100 / 1\%/step] \\
\hline 003 & Std Speed: M & & [0 to 200 / 100 / 1\%/step] \\
\hline 004 & Std Speed: Y & & [0 to 200 / 100 / 1\%/step] \\
\hline 011 & Mid Speed: K & & [0 to 200 / 100 / 1\%/step] \\
\hline 012 & Mid Speed: C & & [0 to 200 / 100 / 1\%/step] \\
\hline 013 & Mid Speed: M & & [0 to 200 / 100 / 1\%/step] \\
\hline 014 & Mid Speed: Y & & [0 to 200 / 100 / 1\%/step] \\
\hline 021 & Std Speed: K & & [0 to 200 / 100 / 1\%/step] \\
\hline 022 & Std Speed: C & & [0 to 200 / 100 / 1\%/step] \\
\hline 023 & Std Speed: M & & [0 to 200 / 100 / 1\%/step] \\
\hline 024 & Std Speed: Y & & [0 to 200 / 100 / 1\%/step] \\
\hline 031 & Std Speed: K (Front) & & [0 to 200 / 100 / 1\%/step] \\
\hline 032 & Std Speed: C (Front) & & [0 to 200 / 100 / 1\%/step] \\
\hline 033 & Std Speed: M (Front) & & [0 to \(200 / 100 / 1 \% /\) step] \\
\hline 034 & Std Speed: Y (Front) & & [0 to 200 / 100 / 1\%/step] \\
\hline 041 & Mid Speed: K (Front) & & [0 to 200 / 100 / 1\%/step] \\
\hline 042 & Mid Speed: C (Front) & & [0 to 200 / 100 / 1\%/step] \\
\hline
\end{tabular}

\begin{tabular}{|c|c|c|c|}
\hline 103 & PrcsCntrlCorrect:M & ENG & [0 to \(200 / 140\) / 1\%/step] \\
\hline 104 & PrcsCntrlCorrect:Y & ENG & [0 to \(200 / 140 / 1 \% /\) step] \\
\hline 111 & Low Speed: K (Rear) & & [0 to \(200 / 140 / 1 \% /\) step] \\
\hline 112 & Low Speed: C (Rear) & & [0 to \(200 / 140\) / 1\%/step] \\
\hline 113 & Low Speed: M (Rear) & & [0 to \(200 / 140 / 1 \% /\) step] \\
\hline 114 & Low Speed: Y (Rear) & & [0 to \(200 / 140\) / 1\%/step] \\
\hline 121 & Mid Speed: K (Rear) & & [0 to \(200 / 140\) / 1\%/step] \\
\hline 122 & Mid Speed: C (Rear) & & [0 to \(200 / 140 / 1 \% /\) step] \\
\hline 123 & Mid Speed: M (Rear) & & [0 to \(200 / 140 / 1 \% /\) step] \\
\hline 124 & Mid Speed: Y (Rear) & & [0 to 200 / 140 / 1\%/step] \\
\hline \multirow{2}{*}{3613} & \multicolumn{3}{|l|}{[LD Power Control]} \\
\hline & \multicolumn{3}{|l|}{Ld Power to actually set including value corrected with RTP.} \\
\hline 201 & Now:Std Speed: K & ENG & [0 to 200 / 100 / 1\%/step] \\
\hline 202 & Now:Std Speed: C & ENG & [0 to \(200 / 100 / 1 \% /\) step] \\
\hline 203 & Now:Std Speed: M & ENG & [0 to \(200 / 100 / 1 \% /\) step] \\
\hline 204 & Now:Std Speed: Y & ENG & [0 to \(200 / 100 / 1 \% /\) step] \\
\hline 211 & Now:Mid Speed: K & ENG & [0 to \(200 / 100 / 1 \% /\) step] \\
\hline 212 & Now:Mid Speed: C & ENG & [0 to \(200 / 100 / 1 \% /\) step] \\
\hline 213 & Now:Mid Speed: M & ENG & [0 to \(200 / 100 / 1 \% /\) step] \\
\hline 214 & Now:Mid Speed: Y & ENG & [0 to \(200 / 100 / 1 \% /\) step] \\
\hline 221 & Now:Low Speed: K & ENG & [0 to \(200 / 100 / 1 \% /\) step] \\
\hline 222 & Now:Low Speed: C & ENG & [0 to \(200 / 100 / 1 \% /\) step] \\
\hline 223 & Now:Low Speed: M & ENG & [0 to \(200 / \mathbf{1 0 0} / 1 \% /\) step] \\
\hline 224 & Now:Low Speed: Y & ENG & [0 to 200 / 100 / 1\%/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{3619} & \multicolumn{3}{|l|}{[Bias:Spd Corr]} \\
\hline & \multicolumn{3}{|l|}{Sets correction conditions per line speed of develop bias.} \\
\hline 001 & VbCoef:Std Spd: K & *ENG & [0.50 to 1.50 / 1.00 / 0.01/step] \\
\hline 002 & VbCoef:Std Spd: C & *ENG & [0.50 to 1.50 / 1.00 / 0.01/step] \\
\hline 003 & VbCoef:Std Spd: M & *ENG & [0.50 to 1.50 / 1.00 / 0.01/step] \\
\hline 004 & VbCoef:Std Spd: Y & *ENG & [0.50 to 1.50 / 1.00 / 0.01/step] \\
\hline 011 & VbCoef:Mid Spd: K & *ENG & [0.50 to 1.50 / 1.00 / 0.01/step] \\
\hline 012 & VbCoef:Mid Spd: C & *ENG & [0.50 to 1.50 / 1.00 / 0.01/step] \\
\hline 013 & VbCoef:Mid Spd: M & *ENG & [0.50 to 1.50 / 1.00 / 0.01/step] \\
\hline 014 & VbCoef:Mid Spd: Y & *ENG & [0.50 to 1.50 / 1.00 / 0.01/step] \\
\hline 021 & VbCoef:Low Spd: K & *ENG & [0.50 to 1.50 / 1.00 / 0.01/step] \\
\hline 022 & VbCoef:Low Spd: C & *ENG & [0.50 to 1.50 / 1.00 / 0.01/step] \\
\hline 023 & VbCoef:Low Spd: M & *ENG & [0.50 to 1.50 / 1.00 / 0.01/step] \\
\hline 024 & VbCoef:Low Spd: Y & *ENG & [0.50 to 1.50 / 1.00 / 0.01/step] \\
\hline 051 & Offset: Std Spd: K & *ENG & [-128 to 127 / 39 / 1V/step] \\
\hline 052 & Offset: Std Spd: C & *ENG & [-128 to 127 / 39 / 1V/step] \\
\hline 053 & Offset: Std Spd: M & *ENG & [-128 to 127 / 39 / 1V/step] \\
\hline 054 & Offset: Std Spd: Y & *ENG & [-128 to 127 / 39 / 1V/step] \\
\hline 061 & Offset: Mid Spd: K & *ENG & [-128 to 127 / 39 / 1V/step] \\
\hline 062 & Offset: Mid Spd: C & *ENG & [-128 to 127 / 39 / 1V/step] \\
\hline 063 & Offset: Mid Spd: M & *ENG & [-128 to 127 / 39 / 1V/step] \\
\hline 064 & Offset: Mid Spd: Y & *ENG & [-128 to 127 / 39 / 1V/step] \\
\hline 071 & Offset: Low Spd: K & *ENG & [-128 to 127 / 39 / 1V/step] \\
\hline 072 & Offset: Low Spd: C & *ENG & [-128 to 127 / 39 / 1V/step] \\
\hline 073 & Offset: Low Spd: M & *ENG & [-128 to 127 / 39 / 1V/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|l|l|l|}
\hline 074 & Offset: Low Spd: \(Y\) & *ENG & [-128 to \(127 / 39 / 1 \mathrm{~V} /\) step \(]\) \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 3620 & \multicolumn{3}{|l|}{[ProCon Target M/A]} \\
\hline \multirow[t]{2}{*}{001} & Maximum M/A:K & *ENG & \begin{tabular}{l}
[0.250 to 0.750 / 0.370 / \\
\(0.001 \mathrm{mg} / \mathrm{cm} 2 / \mathrm{step}]\)
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Sets solid deposit (K).} \\
\hline \multirow[t]{2}{*}{002} & Maximum M/A:C & *ENG & \begin{tabular}{l}
[0.250 to \(0.750 / 0.400 /\) \\
\(0.001 \mathrm{mg} / \mathrm{cm} 2 / \mathrm{step}]\)
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Sets solid deposit (C).} \\
\hline \multirow[t]{2}{*}{003} & Maximum M/A:M & *ENG & \begin{tabular}{l}
[0.250 to 0.750 / 0.450 / \\
\(0.001 \mathrm{mg} / \mathrm{cm} 2 / \mathrm{step}]\)
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Sets solid deposit (M).} \\
\hline \multirow[t]{2}{*}{004} & Maximum M/A:Y & *ENG & [0.250 to \(0.750 / 0.400 /\) \(0.001 \mathrm{mg} / \mathrm{cm} 2 / \mathrm{step}]\) \\
\hline & \multicolumn{3}{|l|}{Sets solid deposit (Y).} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{3621} & \multicolumn{3}{|l|}{[Backgroud Pot:Set]} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
- Sets background potential \\
- Default: 100 V , carrier deposit will occur when setting value too high
\end{tabular}} \\
\hline 001 & Slope:K & *ENG & \multirow{4}{*}{[-1000 to 1000 / 0 / 1/step]} \\
\hline 002 & Slope:C & *ENG & \\
\hline 003 & Slope:M & *ENG & \\
\hline 004 & Slope:Y & *ENG & \\
\hline 011 & intercept:K & *ENG & \multirow{4}{*}{[0 to 255 / 120 / 1V/step]} \\
\hline 012 & intercept:C & *ENG & \\
\hline 013 & intercept:M & *ENG & \\
\hline 014 & intercept:Y & *ENG & \\
\hline
\end{tabular}
\begin{tabular}{|r|l|c|l|}
\hline \multirow{2}{*}{3621} & \multicolumn{3}{|l|}{ [Backgroud Pot:Set] } \\
\cline { 2 - 4 } & Sets background potential. (Upper/lower limit). \\
\hline 051 & UpperLimit & *ENG & [100 to 1000 / 150 / 1V/step] \\
\hline 052 & LowerLimit & *ENG & [0 to 100 / 100 / 1V/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 3622 & \multicolumn{3}{|l|}{[Dev Pot :Set]} \\
\hline \multirow{2}{*}{001} & Current:K & *ENG & [0 to 800 / 0 / 1V/step] \\
\hline & \multicolumn{3}{|l|}{Displays Development Potential: Current Value (K).} \\
\hline \multirow{2}{*}{002} & Current:C & *ENG & [0 to 800 / 0 / 1V/step] \\
\hline & \multicolumn{3}{|l|}{Displays Development Potential: Current Value (C).} \\
\hline \multirow{2}{*}{003} & Current:M & *ENG & [0 to \(800 / 0\) / 1V/step] \\
\hline & \multicolumn{3}{|l|}{Displays Development Potential: Current Value (M).} \\
\hline \multirow{2}{*}{004} & Current:Y & *ENG & [0 to \(800 / 0 / 1 \mathrm{~V} /\) step] \\
\hline & \multicolumn{3}{|l|}{Displays Development Potential: Current Value (Y).} \\
\hline \multirow{2}{*}{011} & Current:F_K & *ENG & [0 to 800 / 0 / 1V/step] \\
\hline & \multicolumn{3}{|l|}{Displays Development Potential: Target Value (K).} \\
\hline \multirow{2}{*}{012} & Current:F_C & *ENG & [0 to \(800 / 0\) / 1V/step] \\
\hline & \multicolumn{3}{|l|}{Displays Development Potential: Target Value (C).} \\
\hline \multirow{2}{*}{013} & Current:F_M & *ENG & [0 to 800 / 0 / 1V/step] \\
\hline & \multicolumn{3}{|l|}{Displays Development Potential: Target Value (M).} \\
\hline \multirow{2}{*}{014} & Current:F_Y & *ENG & [0 to \(800 / 0 / 1 \mathrm{~V} /\) step] \\
\hline & \multicolumn{3}{|l|}{Displays Development Potential: Target Value (Y).} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{021} & Current:C_K & ENG & [0 to 800 / 0 / 1V/step] \\
\hline & \multicolumn{3}{|l|}{Displays develop potential (K).} \\
\hline \multirow{2}{*}{022} & Current:C_C & ENG & [0 to 800 / 0 / 1V/step] \\
\hline & \multicolumn{3}{|l|}{Displays develop potential (C).} \\
\hline \multirow{2}{*}{023} & Current:C_M & ENG & [0 to 800 / 0 / 1V/step] \\
\hline & \multicolumn{3}{|l|}{Displays develop potential (M).} \\
\hline \multirow{2}{*}{024} & Current:C_Y & ENG & [0 to 800 / 0 / 1V/step] \\
\hline & \multicolumn{3}{|l|}{Displays develop potential (Y).} \\
\hline \multirow{2}{*}{031} & Current:R_K & ENG & [0 to 800 / 0 / 1V/step] \\
\hline & \multicolumn{3}{|l|}{Displays develop potential (K).} \\
\hline \multirow{2}{*}{032} & Current:R_C & ENG & [0 to 800 / 0 / 1V/step] \\
\hline & \multicolumn{3}{|l|}{Displays develop potential (C).} \\
\hline \multirow{2}{*}{033} & Current:R_M & ENG & [0 to 800 / 0 / 1V/step] \\
\hline & \multicolumn{3}{|l|}{Displays develop potential (M).} \\
\hline \multirow{2}{*}{034} & Current:R_Y & ENG & [0 to 800 / 0 / 1V/step] \\
\hline & \multicolumn{3}{|l|}{Displays develop potential (Y).} \\
\hline \multirow{2}{*}{051} & UpperLimit & *ENG & [400 to \(800 / 700 / 1 \mathrm{~V} /\) step] \\
\hline & \multicolumn{3}{|l|}{Sets Development Potential (Upper Limit) (K).} \\
\hline \multirow{2}{*}{052} & UpperLimit & *ENG & [400 to \(800 / 700 / 1 \mathrm{~V} /\) step] \\
\hline & \multicolumn{3}{|l|}{Sets Development Potential (Upper Limit) (C).} \\
\hline \multirow{2}{*}{053} & UpperLimit & *ENG & [400 to \(800 / 700 / 1 \mathrm{~V} /\) step] \\
\hline & \multicolumn{3}{|l|}{Sets Development Potential (Upper Limit) (M).} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{054} & UpperLimit & *ENG & [400 to \(800 / 700 / 1 \mathrm{~V} /\) step] \\
\hline & \multicolumn{3}{|l|}{Sets Development Potential (Upper Limit) ( Y ).} \\
\hline \multirow{2}{*}{061} & LowerLimit & *ENG & [0 to \(400 / 200 / 1 \mathrm{~V} /\) step] \\
\hline & \multicolumn{3}{|l|}{Sets Development Potential (Lower Limit) (K).} \\
\hline \multirow{2}{*}{062} & LowerLimit & *ENG & [0 to \(400 / \mathbf{2 0 0} / \mathrm{1V} /\) step] \\
\hline & \multicolumn{3}{|l|}{Sets Development Potential (Lower Limit) (C).} \\
\hline \multirow{2}{*}{063} & LowerLimit & *ENG & [0 to \(400 / \mathbf{2 0 0} / \mathrm{1V} /\) step] \\
\hline & \multicolumn{3}{|l|}{Sets Development Potential (Lower Limit) (M).} \\
\hline \multirow{2}{*}{064} & LowerLimit & *ENG & [0 to \(400 / 200 / 1 \mathrm{~V} /\) step] \\
\hline & \multicolumn{3}{|l|}{Sets Development Potential (Lower Limit) (Y).} \\
\hline \multirow{2}{*}{101} & Target:K & *ENG & [0 to \(800 / 0 / 1 \mathrm{~V} /\) step] \\
\hline & \multicolumn{3}{|l|}{Displays Development Potential: Current Value (K) according to paper.} \\
\hline \multirow{2}{*}{102} & Target: C & *ENG & [0 to \(800 / 0\) / 1V/step] \\
\hline & \multicolumn{3}{|l|}{Displays Development Potential: Current Value (C) according to paper.} \\
\hline \multirow{2}{*}{103} & Target:M & *ENG & [0 to \(800 / 0 / 1 \mathrm{~V} /\) step] \\
\hline & \multicolumn{3}{|l|}{Displays Development Potential: Current Value (M) according to paper.} \\
\hline \multirow{2}{*}{104} & Target:Y & *ENG & [0 to \(800 / 0\) / 1V/step] \\
\hline & \multicolumn{3}{|l|}{Displays Development Potential: Current Value ( Y ) according to paper.} \\
\hline \multirow{2}{*}{111} & Target Corr:K & *ENG & [-128 to 127 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Displays develop potential target value correction amount (K).} \\
\hline \multirow{2}{*}{112} & Target Corr: C & *ENG & [-128 to 127 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Displays develop potential target value correction amount (C).} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{113} & Target Corr:M & *ENG & [-128 to 127 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Displays develop potential target value correction amount (M).} \\
\hline \multirow{2}{*}{114} & Target Corr:Y & *ENG & [-128 to 127 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Displays develop potential target value correction amount (Y).} \\
\hline \multirow{2}{*}{121} & Vk:Upper_K & *ENG & [0 to 255 / 30/1-V/step] \\
\hline & \multicolumn{3}{|l|}{Regulates upper limit of start developing voltage value (K).} \\
\hline \multirow{2}{*}{122} & Vk:Upper_Col & *ENG & [0 to 255 / 30/1-V/step] \\
\hline & \multicolumn{3}{|l|}{Regulates upper limit of start developing voltage value (Col).} \\
\hline \multirow{2}{*}{123} & Vk:Lower_K & *ENG & [-128 to \(0 /-90\) / 1-V/step] \\
\hline & \multicolumn{3}{|l|}{Regulates lower limit of start developing voltage value (K).} \\
\hline \multirow{2}{*}{124} & Vk:Lower_Col & *ENG & [-128 to \(0 /-60 / 1-\mathrm{V} /\) step] \\
\hline & \multicolumn{3}{|l|}{Regulates lower limit of start developing voltage value (Col).} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{3623} & \multicolumn{3}{|l|}{[LD Power :Set]} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Sets background potential \\
- Default: 100 V \\
- Carrier deposit will occur when setting value too high.
\end{tabular}} \\
\hline 001 & Std Speed Slope:K & *ENG & \multirow{4}{*}{[-1000 to 1000 / 213 / 1/step]} \\
\hline 002 & Std Speed Slope:C & *ENG & \\
\hline 003 & Std Speed Slope:M & *ENG & \\
\hline 004 & Std Speed Slope:Y & *ENG & \\
\hline 011 & Std Speed intercept:K & *ENG & \multirow{4}{*}{[-1000 to 1000 / -18 / 1/step]} \\
\hline 012 & Std Speed intercept:C & *ENG & \\
\hline 013 & Std Speed intercept:M & *ENG & \\
\hline 014 & Std Speed intercept:Y & *ENG & \\
\hline 021 & Mid Speed Slope:K & *ENG & \multirow{4}{*}{[-1000 to 1000 / 213 / 1/step]} \\
\hline 022 & Mid Speed Slope:C & *ENG & \\
\hline 023 & Mid Speed Slope:M & *ENG & \\
\hline 024 & Mid Speed Slope:Y & *ENG & \\
\hline 031 & Mid Speed intercept:K & *ENG & \multirow{4}{*}{[-1000 to 1000 / -15 / 1/step]} \\
\hline 032 & Mid Speed intercept:C & *ENG & \\
\hline 033 & Mid Speed intercept:M & *ENG & \\
\hline 034 & Mid Speed intercept:Y & *ENG & \\
\hline 041 & Low Speed Slope:K & *ENG & \multirow{4}{*}{[-1000 to 1000 / 204 / 1/step]} \\
\hline 042 & Low Speed Slope:C & *ENG & \\
\hline 043 & Low Speed Slope:M & *ENG & \\
\hline 044 & Low Speed Slope:Y & *ENG & \\
\hline 051 & Low Speed intercept:K & *ENG & \multirow{2}{*}{[-1000 to 1000 / -15 / 1/step]} \\
\hline 052 & Low Speed intercept:C & *ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|l|c|c|}
\hline 053 & Low Speed intercept:M & *ENG & \\
\hline 054 & Low Speed intercept:Y & *ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 3624 & \multicolumn{3}{|l|}{[TC Adj. Mode]} \\
\hline \multirow{2}{*}{001} & Target(Upp Limit) & *ENG & [0.00 to \(1.00 / 0.15 / 0.01\) mg/cm2/-kV/step] \\
\hline & \multicolumn{3}{|l|}{Sets Development gamma Adjustment Target (Upp Limit) for Toner Density Adjustment.} \\
\hline \multirow{2}{*}{002} & Target(Lwr Limit) & *ENG & \([-1\) to \(0.00 /-0.15 / 0.01\) mg/cm2/-kV/step] \\
\hline & \multicolumn{3}{|l|}{Sets Development gamma Adjustment Target (Lwr Limit) for Toner Density Adjustment.} \\
\hline \multirow[t]{2}{*}{005} & Force Consume Threshold & *ENG & \begin{tabular}{l}
[1.00 to \(6.00 / 1.50 / 0.01\) \\
mg/cm2/-kV/step]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Sets Force Consume Threshold for Density Adjustment.} \\
\hline \multirow{2}{*}{006} & Consume(Upp Limit) & *ENG & [10 to 2550 / 294 / 1cm^2] \\
\hline & \multicolumn{3}{|l|}{Sets Consume (Upp Limit) for Density Adjustment.} \\
\hline \multirow{2}{*}{007} & Consume(Upp Limit) & *ENG & [0 to 255 / 20 / 1times/step] \\
\hline & \multicolumn{3}{|l|}{Sets Consume (Upp Limit) for Density Adjustment.} \\
\hline \multirow[t]{2}{*}{008} & Force Supply Threshold & *ENG & [ 0.00 to \(1.00 / 0.50 / 0.01\) mg/cm2/-kV/step] \\
\hline & \multicolumn{3}{|l|}{Sets Force Consume Threshold for Density Adjustment.} \\
\hline \multirow{2}{*}{009} & Supply(Upp Limit) & *ENG & [0.0 to 50.0 / 3.0 / 0.1g/step] \\
\hline & \multicolumn{3}{|l|}{Sets Supply (Upp Limit) for Density Adjustment.} \\
\hline \multirow{2}{*}{010} & Supply(Lwr Limit) & *ENG & [0.0 to 50.0 / 1.0 / 0.1g/step] \\
\hline & \multicolumn{3}{|l|}{Sets Supply (Lwr Limit) for Density Adjustment.} \\
\hline 021 & Consumption Pat: DUTY: K & *ENG & \multirow{2}{*}{[0 to 15 / 15 / 1/step]} \\
\hline 022 & Consumption Pat: DUTY: C & *ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 023 & Consumption Pat: DUTY: M & *ENG & \\
\hline 024 & Consumption Pat: DUTY: Y & *ENG & \\
\hline 3624 & \multicolumn{3}{|l|}{[TC Adj. Mode]} \\
\hline \multirow{2}{*}{031} & Max Counts:PowerON & *ENG & [0 to 50 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets consume counts (upper limit) for toner density adjusting Pro-Con.} \\
\hline \multirow{2}{*}{3624} & \multicolumn{3}{|l|}{[TC Adj. Mode]} \\
\hline & \multicolumn{3}{|l|}{Sets adjust counts for toner density adjusting Pro-Con.} \\
\hline 033 & Max Counts:Printing & *ENG & \multirow{2}{*}{[0 to 50 / 0 / 1/step]} \\
\hline 034 & Max Counts:Job End & *ENG & \\
\hline 035 & Max Counts:ACC & *ENG & \multirow{4}{*}{[0 to 50 / 3 / 1/step]} \\
\hline 036 & Max Counts:Initial Setting & *ENG & \\
\hline 037 & Max Counts:Replenishment & *ENG & \\
\hline 038 & Max Counts:Recovery & *ENG & \\
\hline \multirow{2}{*}{3624} & \multicolumn{3}{|l|}{[TC Adj. Mode]} \\
\hline & \multicolumn{3}{|l|}{Sets execute threshold for density adjust Pro-Con against absolute humidity.} \\
\hline 071 & AbsHumThresh(Upp) & *ENG & \([0.00\) to \(100.00 / 16.00 /\)
\(0.01 \mathrm{~g} / \mathrm{m} 3 /\) step \(]\) \\
\hline 072 & AbsHumThresh(Low) & *ENG & [ 0.00 to \(100.00 / 4.00 / 0.01 \mathrm{~g} / \mathrm{m} 3 / \mathrm{step}\) ] \\
\hline 073 & AbsHumThresh(Range) & *ENG & \begin{tabular}{l}
[0.00 to 100.00 / 12.00 / \\
\(0.01 \mathrm{~g} / \mathrm{m} 3 / \mathrm{step}]\)
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{2}{*}{3627} & \multicolumn{3}{|l|}{ [P Pattern Extraction :Set] } \\
\cline { 2 - 3 } & \multicolumn{2}{|l|}{ Sets edge detect threshold for ID sensor. } \\
\hline 001 & \begin{tabular}{l} 
Edge Detection \\
Threshold :K
\end{tabular} & *ENG & \\
\hline 002 & \begin{tabular}{l} 
Edge Detection \\
Threshold :C
\end{tabular} & *ENG \(5.0 / \mathbf{2 . 5} / 0.1 \mathrm{~V} /\) step \(]\) \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 003 & \begin{tabular}{l}
Edge Detection \\
Threshold :M
\end{tabular} & *ENG & \\
\hline 004 & \begin{tabular}{l}
Edge Detection \\
Threshold :Y
\end{tabular} & *ENG & \\
\hline \multirow[b]{2}{*}{011} & \begin{tabular}{l}
Edge Upper \\
Limit:Potential Control
\end{tabular} & *ENG & [7.0 to 10.0 / 9.0 / 0.1mm/step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Sets upper limit value of edge interval sampling count of \(P\) pattern by electric potential control. \\
(Processes an error when exceeding upper limit)
\end{tabular}} \\
\hline \multirow[b]{2}{*}{012} & Edge Upper Limit:IBACC & *ENG & [10.0 to 13.0 / 12.0 / 0.1mm/step] \\
\hline & \multicolumn{3}{|l|}{Sets upper limit value of edge interval sampling count of \(P\) pattern by IBACC. (Processes an error when exceeding upper limit)} \\
\hline 013 & Edge Upper Limit:RTP & & [50 to \(80 / 70 / 0.1 \mathrm{~mm} / \mathrm{step}\) ] \\
\hline \multirow{2}{*}{021} & \begin{tabular}{l}
Edge Lower \\
Limit:Potential Control
\end{tabular} & *ENG & [4.0 to 7.0 / 5.0 / 0.1mm/step] \\
\hline & \multicolumn{3}{|l|}{Sets lower limit value of edge interval sampling count of \(P\) pattern by electric potential control. (Keeps searching when below lower limit value)} \\
\hline \multirow[b]{2}{*}{022} & Edge Lower Limit:IBACC & *ENG & [7.0 to 10.0 / 8.0 / 0.1mm/step] \\
\hline & \multicolumn{3}{|l|}{Sets lower limit value of edge interval sampling count of \(P\) pattern IBACC. (Keeps searching when below lower limit value)} \\
\hline \multirow[b]{2}{*}{023} & Edge Lower Limit:RTP & *ENG & [2.0 to 5.0 / \(\mathbf{3 . 0} / 0.1 \mathrm{~mm} / \mathrm{step}\) ] \\
\hline & \multicolumn{3}{|l|}{Sets lower limit value of edge interval sampling count of \(P\) pattern RTP. (Keeps searching when below lower limit value)} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline 3628 & \multicolumn{3}{|l|}{ [ID Pattern Timing :Set] } \\
\hline \multirow{3}{*}{001} & Scan: YCMK & *ENG & [-500.0 to \(500.0 / 0.0 / 0.1 \mathrm{~mm} / \mathrm{step}]\) \\
\cline { 2 - 4 } & Adjusts timing of Pro-Con pattern detect by P sensor. \\
\hline \multirow{3}{*}{002} & Detection Delay Time & *ENG & [0 to \(2500 / 0 / 1 \mathrm{msec} / \mathrm{step}]\) \\
\cline { 2 - 2 } & Adjusts alienation start timing of paper transfer. \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|l|}
\hline \multirow{3}{*}{003} & Delay Time & *ENG & [0 to \(2500 / 778 / 1 \mathrm{msec} /\) step \(]\) \\
\cline { 2 - 4 } & Adjusts start write timing of P pattern. \\
\hline \multirow{3}{|l|}{004} & MUSIC Delay Time & *ENG & {\([0\) to \(2500 / 150 / 1 \mathrm{msec} /\) step \(]\)} \\
\cline { 2 - 4 } & \multicolumn{2}{|l|}{ Adjusts start write timing of MUSIC. } \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{3629} & \multicolumn{3}{|l|}{[ProCon Pattern:Set]} \\
\hline & \multicolumn{3}{|l|}{Sets imaging conditions for electric potential control pattern.} \\
\hline 001 & ChargeDC: Pattern1: Bk & *ENG & [0 to 999 / 170 / 1V/step] \\
\hline 002 & ChargeDC: Pattern2: Bk & *ENG & [0 to 999 / 210 / 1V/step] \\
\hline 003 & ChargeDC: Pattern3: Bk & *ENG & [0 to 999 / 250 / 1V/step] \\
\hline 004 & ChargeDC: Pattern4: Bk & *ENG & [0 to 999 / 290 / 1V/step] \\
\hline 005 & ChargeDC: Pattern5: Bk & *ENG & [0 to 999 / 330 / 1V/step] \\
\hline 006 & ChargeDC: Pattern6: Bk & *ENG & [0 to 999 / 370 / 1V/step] \\
\hline 007 & ChargeDC: Pattern7: Bk & *ENG & [0 to 999 / 410 / 1V/step] \\
\hline 008 & ChargeDC: Pattern8: Bk & *ENG & [0 to 999 / 450 / 1V/step] \\
\hline 009 & ChargeDC: Pattern9: Bk & *ENG & [0 to 999 / 490 / 1V/step] \\
\hline 010 & ChargeDC: Pattern10: Bk & *ENG & [0 to 999 / 530 / 1V/step] \\
\hline 011 & ChargeDC: Pattern1: C & *ENG & [0 to 999 / 170 / 1V/step] \\
\hline 012 & ChargeDC: Pattern2: C & *ENG & [0 to 999 / 230 / 1V/step] \\
\hline 013 & ChargeDC: Pattern3: C & *ENG & [0 to 999 / 290 / 1V/step] \\
\hline 014 & ChargeDC: Pattern4: C & *ENG & [0 to 999 / 350 / 1V/step] \\
\hline 015 & ChargeDC: Pattern5: C & *ENG & [0 to 999 / 410 / 1V/step] \\
\hline 016 & ChargeDC: Pattern6: C & *ENG & [0 to 999 / 470 / 1V/step] \\
\hline 017 & ChargeDC: Pattern7: C & *ENG & [0 to 999 / 530 / 1V/step] \\
\hline 018 & ChargeDC: Pattern8: C & *ENG & [0 to 999 / 590 / 1V/step] \\
\hline 019 & ChargeDC: Pattern9: C & *ENG & [0 to 999 / 650 / 1V/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 020 & ChargeDC: Pattern10: C & *ENG & [0 to 999 / 710 / 1V/step] \\
\hline 021 & ChargeDC: Pattern1: M & *ENG & [0 to 999 / 170 / 1V/step] \\
\hline 022 & ChargeDC: Pattern2: M & *ENG & [0 to 999 / 230 / 1V/step] \\
\hline 023 & ChargeDC: Pattern3: M & *ENG & [0 to 999 / 290 / 1V/step] \\
\hline 024 & ChargeDC: Pattern4: M & *ENG & [0 to 999 / 350 / 1V/step] \\
\hline 025 & ChargeDC: Pattern5: M & *ENG & [0 to 999 / 410 / 1V/step] \\
\hline 026 & ChargeDC: Pattern6: M & *ENG & [0 to 999 / 470 / 1V/step] \\
\hline 027 & ChargeDC: Pattern7: M & *ENG & [0 to 999 / 530 / 1V/step] \\
\hline 028 & ChargeDC: Pattern8: M & *ENG & [0 to 999 / 590 / 1V/step] \\
\hline 029 & ChargeDC: Pattern9: M & *ENG & [0 to 999 / 650 / 1V/step] \\
\hline 030 & ChargeDC: Pattern10: M & *ENG & [0 to 999 / 710 / 1V/step] \\
\hline 031 & ChargeDC: Pattern1: Y & *ENG & [0 to 999 / 170 / 1V/step] \\
\hline 032 & ChargeDC: Pattern2: Y & *ENG & [0 to 999 / 230 / 1V/step] \\
\hline 033 & ChargeDC: Pattern3: Y & *ENG & [0 to 999 / 290 / 1V/step] \\
\hline 034 & ChargeDC: Pattern4: Y & *ENG & [0 to 999 / 350 / 1V/step] \\
\hline 035 & ChargeDC: Pattern5: Y & *ENG & [0 to 999 / 410 / 1V/step] \\
\hline 036 & ChargeDC: Pattern6: Y & *ENG & [0 to 999 / 470 / 1V/step] \\
\hline 037 & ChargeDC: Pattern7: Y & *ENG & [0 to 999 / 530 / 1V/step] \\
\hline 038 & ChargeDC: Pattern8: Y & *ENG & [0 to 999 / 590 / 1V/step] \\
\hline 039 & ChargeDC: Pattern9: Y & *ENG & [0 to 999 / 650 / 1V/step] \\
\hline 040 & ChargeDC: Pattern10: Y & *ENG & [0 to 999 / 710 / 1V/step] \\
\hline 101 & DevelopmentDC: Pattern1: Bk & *ENG & [0 to 999 / 50 / 1V/step] \\
\hline 102 & DevelopmentDC: Pattern2: Bk & *ENG & [0 to 999 / 90 / 1V/step] \\
\hline 103 & DevelopmentDC: Pattern3: Bk & *ENG & [0 to 999 / 130 / 1V/step] \\
\hline 104 & DevelopmentDC: Pattern4: Bk & *ENG & [0 to 999 / 170 / 1V/step] \\
\hline 105 & DevelopmentDC: Pattern5: Bk & *ENG & [0 to 999 / 210 / 1V/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 106 & DevelopmentDC: Pattern6: Bk & *ENG & [0 to 999 / 250 / 1V/step] \\
\hline 107 & DevelopmentDC: Pattern7: Bk & *ENG & [0 to 999 / 290 / 1V/step] \\
\hline 108 & DevelopmentDC: Pattern8: Bk & *ENG & [0 to 999 / 330 / 1V/step] \\
\hline 109 & DevelopmentDC: Pattern9: Bk & *ENG & [0 to 999 / 370 / 1V/step] \\
\hline 110 & DevelopmentDC: Pattern10:
Bk & *ENG & [0 to 999 / 410 / 1V/step] \\
\hline 111 & DevelopmentDC: Pattern1: C & *ENG & [0 to 999 / 50 / 1V/step] \\
\hline 112 & DevelopmentDC: Pattern2: C & *ENG & [0 to 999 / 110 / 1V/step] \\
\hline 113 & DevelopmentDC: Pattern3: C & *ENG & [0 to 999 / 170 / 1V/step] \\
\hline 123 & DevelopmentDC: Pattern3: M & *ENG & [0 to 999 / 170 / 1V/step] \\
\hline 124 & DevelopmentDC: Pattern4: M & *ENG & [0 to 999 / 230 / 1V/step] \\
\hline 125 & DevelopmentDC: Pattern5: M & *ENG & [0 to 999 / 290 / 1V/step] \\
\hline 133 & DevelopmentDC: Pattern3: Y & *ENG & [0 to 999 / 170 / 1V/step] \\
\hline 134 & DevelopmentDC: Pattern4: \(Y\) & *ENG & [0 to 999 / 230 / 1V/step] \\
\hline 135 & DevelopmentDC: Pattern5: Y & *ENG & [0 to 999 / 290 / 1V/step] \\
\hline 136 & DevelopmentDC: Pattern6: Y & *ENG & [0 to 999 / \(350 / 1 \mathrm{~V} /\) step] \\
\hline 137 & DevelopmentDC: Pattern7: Y & *ENG & [0 to 999 / 410 / 1V/step] \\
\hline 138 & DevelopmentDC: Pattern8: Y & *ENG & [0 to 999 / 470 / 1V/step] \\
\hline 139 & DevelopmentDC: Pattern9: Y & *ENG & [0 to 999 / 530 / 1V/step] \\
\hline 140 & DevelopmentDC: Pattern10: Y & *ENG & [0 to 999 / 590 / 1V/step] \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|l|}
\hline 3630 & \multicolumn{3}{|l|}{ [Dev gamma :Disp/Set] } \\
\hline \multirow{3}{*}{001} & Current:K & *ENG & \begin{tabular}{l}
{\([0.10\) to \(6.00 / 0.95 / 0.01\)} \\
\(\mathrm{mg} / \mathrm{cm} 2 /-\mathrm{kV} / \mathrm{step}]\)
\end{tabular} \\
\cline { 2 - 4 } & Displays the latest Development gamma (K). \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[t]{2}{*}{002} & Current:C & *ENG & [0.10 to 6.00 / 0.95 / 0.01 mg/cm2/-kV/step] \\
\hline & \multicolumn{3}{|l|}{Displays the latest Development gamma (C).} \\
\hline \multirow[t]{2}{*}{003} & Current:M & *ENG & [0.10 to 6.00 / 1.05 / 0.01 \(\mathrm{mg} / \mathrm{cm} 2 /-\mathrm{kV} / \mathrm{step}]\) \\
\hline & \multicolumn{3}{|l|}{Displays the latest Development gamma (M).} \\
\hline \multirow[t]{2}{*}{004} & Current:Y & *ENG & [0.10 to 6.00 / 0.95 / 0.01 \(\mathrm{mg} / \mathrm{cm} 2 /-\mathrm{kV} / \mathrm{step}]\) \\
\hline & \multicolumn{3}{|l|}{Displays the latest Development gamma (Y).} \\
\hline \multirow{3}{*}{011} & Target:K & *ENG & [0.50 to 2.55 / 0.95 / 0.01 mg/cm2/-kV/step] \\
\hline & \multicolumn{3}{|l|}{Displays Target Value for Development gamma (K).} \\
\hline & \multicolumn{3}{|l|}{Displays environment correction amount of develop gamma.} \\
\hline \multirow[t]{2}{*}{042} & Environ Corr:Col & *ENG & [-1.00 to \(1.00 / 0.00 / 0.01\) mg/cm2/-kV/step] \\
\hline & \multicolumn{3}{|l|}{Displays environment correction amount of develop gamma.} \\
\hline \multirow[t]{2}{*}{051} & TnrDensity Corr:K & *ENG & \begin{tabular}{l}
\[
[-1.00 \text { to } 1.00 / 0.00 / 0.01
\] \\
mg/cm2/-kV/step]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Displays toner density correction amount of develop gamma. (K)} \\
\hline \multirow[t]{2}{*}{052} & TnrDensity Corr:C & *ENG & \begin{tabular}{l}
\[
\text { [-1.00 to } 1.00 / 0.00 / 0.01
\] \\
mg/cm2/-kV/step]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Displays toner density correction amount of develop gamma. (C)} \\
\hline \multirow[t]{2}{*}{053} & TnrDensity Corr:M & *ENG & [-1.00 to \(1.00 / 0.00 / 0.01\) mg/cm2/-kV/step] \\
\hline & \multicolumn{3}{|l|}{Displays toner density correction amount of develop gamma. (M)} \\
\hline \multirow[t]{2}{*}{054} & TnrDensity Corr:Y & *ENG & [-1.00 to \(1.00 / 0.00 / 0.01\) mg/cm2/-kV/step] \\
\hline & \multicolumn{3}{|l|}{Displays toner density correction amount of develop gamma. (Y)} \\
\hline 061 & TnrDensity:K & *ENG & [0.0 to 25.5 / 0.0 / 0.1 wt\%/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline & Displays Toner D & rted ba & d on TD Sensor output. \\
\hline \multirow{2}{*}{062} & TnrDensity:C & *ENG & [0.0 to 25.5 / 0.0 / 0.1 wt\%/step] \\
\hline & \multicolumn{3}{|l|}{Displays Toner Density (C) converted based on TD Sensor output.} \\
\hline \multirow{2}{*}{063} & TnrDensity:M & *ENG & [0.0 to 25.5 / 0.0 / 0.1 wt\%/step] \\
\hline & \multicolumn{3}{|l|}{Displays Toner Density (M) converted based on TD Sensor output.} \\
\hline \multirow{2}{*}{064} & TnrDensity:Y & *ENG & [0.0 to 25.5 / 0.0 / 0.1 wt\%/step] \\
\hline & \multicolumn{3}{|l|}{Displays Toner Density ( Y ) converted based on TD Sensor output.} \\
\hline \multirow{2}{*}{071} & Environ Corr1:K & *ENG & [-1.00 to \(1.00 / 0.00 / 0.01\) mg/cm2/-kV/step] \\
\hline & \multicolumn{3}{|l|}{Sets environment correction table value (environment section 1) of develop gamma.} \\
\hline \multirow{2}{*}{072} & Environ Corr2:K & *ENG & [-1.00 to 1.00 / 0.04 / 0.01 mg/cm2/-kV/step] \\
\hline & \multicolumn{3}{|l|}{Sets environment correction table value (environment section 2) of develop gamma.} \\
\hline \multirow{2}{*}{073} & Environ Corr3:K & *ENG & [-1.00 to 1.00 / 0.06 / 0.01 mg/cm2/-kV/step] \\
\hline & \multicolumn{3}{|l|}{Sets environment correction table value (environment section 3) of develop gamma.} \\
\hline \multirow{2}{*}{074} & Environ Corr4:K & *ENG & [-1.00 to 1.00 / 0.08 / 0.01 mg/cm2/-kV/step] \\
\hline & \multicolumn{3}{|l|}{Sets environment correction table value (environment section 4) of develop gamma.} \\
\hline \multirow{2}{*}{075} & Environ Corr5:K & *ENG & [-1.00 to \(1.00 / 0.10 / 0.01\) mg/cm2/-kV/step] \\
\hline & \multicolumn{3}{|l|}{Sets environment correction table value (environment section 5) of develop gamma.} \\
\hline 076 & Environ Corr6:K & *ENG & [-1.00 to 1.00 / \(\mathbf{0 . 1 0 / 0 . 0 1}\) mg/cm2/-kV/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline & Sets environment corre gamma & value & vironment section 6) of develop \\
\hline \multirow{2}{*}{081} & Environ Corr1:Col & *ENG & [-1.00 to \(1.00 / 0.00 / 0.01\) mg/cm2/-kV/step] \\
\hline & \multicolumn{3}{|l|}{Sets environment correction table value (environment section 1) of develop gamma.} \\
\hline \multirow{2}{*}{082} & Environ Corr2:Col & *ENG & [-1.00 to \(1.00 / 0.04\) / 0.01 mg/cm2/-kV/step] \\
\hline & \multicolumn{3}{|l|}{Sets environment correction table value (environment section 2) of develop gamma.} \\
\hline \multirow{2}{*}{083} & Environ Corr3:Col & *ENG & [-1.00 to 1.00 / 0.06 / 0.01 mg/cm2/-kV/step] \\
\hline & \multicolumn{3}{|l|}{Sets environment correction table value (environment section 3) of develop gamma.} \\
\hline \multirow{2}{*}{084} & Environ Corr4:Col & *ENG & [-1.00 to \(1.00 / 0.08 / 0.01\) mg/cm2/-kV/step] \\
\hline & \multicolumn{3}{|l|}{Sets environment correction table value (environment section 4) of develop gamma.} \\
\hline \multirow{2}{*}{085} & Environ Corr5:Col & *ENG & [-1.00 to 1.00 / \(\mathbf{0 . 1 0 / 0 . 0 1}\) mg/cm2/-kV/step] \\
\hline & \multicolumn{3}{|l|}{Sets environment correction table value (environment section 5) of develop gamma.} \\
\hline \multirow{2}{*}{086} & Environ Corr6:Col & *ENG & [-1.00 to 1.00 / \(\mathbf{0 . 1 0 / 0 . 0 1}\) mg/cm2/-kV/step] \\
\hline & \multicolumn{3}{|l|}{Sets environment correction table value (environment section 6) of develop gamma.} \\
\hline \multirow{2}{*}{090} & TC-Gamma & *ENG & [0.10 to 0.25 / 0.20 / 0.01/step] \\
\hline & \multicolumn{3}{|l|}{Slope of TC-develop gamma.} \\
\hline 091 & TC Corr ThreshHold: & *ENG & [7.0 to 12.0 / 9.0 / 0.1wt\%/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline & \multicolumn{3}{|l|}{Sets toner density threshold for correction using TC correction term of develop gamma (target).} \\
\hline \multirow[b]{2}{*}{092} & TC Corr ThreshHold: C & *ENG & [7.0 to 12.0 / 9.0 / 0.1wt\%/step] \\
\hline & \multicolumn{3}{|l|}{Sets toner density threshold for correction using TC correction term of develop gamma (target).} \\
\hline \multirow[b]{2}{*}{093} & TC Corr ThreshHold:M & *ENG & [7.0 to 12.0 / 9.0 / 0.1wt\%/step] \\
\hline & \multicolumn{3}{|l|}{Sets toner density threshold for correction using TC correction term of develop gamma (target).} \\
\hline & TC Corr ThreshHold: Y & *ENG & [7.0 to 12.0 / 9.0 / 0.1wt\%/step] \\
\hline 094 & \multicolumn{3}{|l|}{Sets toner density threshold for correction using TC correction term of develop gamma (target).} \\
\hline 3630 & \multicolumn{3}{|l|}{[Dev gamma :Disp/Set]} \\
\hline 101 & UpperLimit & *ENG & [1.00 to \(5.00 / 5.00\) / \(0.01 \mathrm{mg} / \mathrm{cm} 2 /-\mathrm{kV} /\) step] \\
\hline & \multicolumn{3}{|l|}{Displays initial value of develop gamma ( K ).} \\
\hline \multirow[t]{2}{*}{102} & LowerLimit & *ENG & [0.10 to 1.00 / 0.15 / \(0.01 \mathrm{mg} / \mathrm{cm} 2 /-\mathrm{kV} /\) step] \\
\hline & \multicolumn{3}{|l|}{Displays initial value of develop gamma (C).} \\
\hline \multirow{2}{*}{3630} & \multicolumn{3}{|l|}{[Dev gamma :Disp/Set]} \\
\hline & \multicolumn{3}{|l|}{Displays latest develop gamma.} \\
\hline 111 & Current:F_K & ENG & \begin{tabular}{l}
[0.10 to 6.00 / 0.90 / \\
\(0.01 \mathrm{mg} / \mathrm{cm} 2 /-\mathrm{kV} /\) step]
\end{tabular} \\
\hline 112 & Current:F_C & ENG & \multirow{3}{*}{\[
\begin{aligned}
& {[0.10 \text { to } 6.00 / 0.80 /} \\
& 0.01 \mathrm{mg} / \mathrm{cm} 2 /-\mathrm{kV} / \text { step }]
\end{aligned}
\]} \\
\hline 113 & Current:F_M & ENG & \\
\hline 114 & Current:F_Y & ENG & \\
\hline 121 & Current:C_K & ENG & \begin{tabular}{l}
[0.10 to 6.00 / 0.90 / \\
\(0.01 \mathrm{mg} / \mathrm{cm} 2 /-\mathrm{kV} /\) step]
\end{tabular} \\
\hline 122 & Current:C_C & ENG & [0.10 to 6.00 / 0.80 / \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 123 & Current:C_M & ENG & \multirow[t]{2}{*}{0.01mg/cm2/-kV/step]} \\
\hline 124 & Current:C_Y & ENG & \\
\hline 131 & Current:R_K & ENG & \begin{tabular}{l}
[0.10 to \(6.00 / 0.90\) / \\
\(0.01 \mathrm{mg} / \mathrm{cm} 2 /-\mathrm{kV} /\) step]
\end{tabular} \\
\hline 132 & Current:R_C & ENG & \multirow{3}{*}{\[
\begin{aligned}
& {[0.10 \text { to } 6.00 / 0.80 /} \\
& 0.01 \mathrm{mg} / \mathrm{cm} 2 /-\mathrm{kV} / \text { step }]
\end{aligned}
\]} \\
\hline 133 & Current:R_M & ENG & \\
\hline 134 & Current:R_Y & ENG & \\
\hline \multirow{2}{*}{3630} & \multicolumn{3}{|l|}{[Dev gamma :Disp/Set]} \\
\hline & \multicolumn{3}{|l|}{Regulates valid deposit amount range for calculating develop gamma.} \\
\hline 141 & Range M/A Upp:K & *ENG & [ 0.20 to 1.00 / 0.40 / \(0.01 \mathrm{mg} / \mathrm{cm} 2 / \mathrm{step}\) ] \\
\hline 142 & Range M/A Low:K & *ENG & [0.00 to 0.20 / 0.05 / \(0.01 \mathrm{mg} / \mathrm{cm} 2 / \mathrm{step}]\) \\
\hline 143 & Range M/A Upp:Col & *ENG & \begin{tabular}{l}
[0.20 to 1.00 / 0.50 / \\
\(0.01 \mathrm{mg} / \mathrm{cm} 2 / \mathrm{step}]\)
\end{tabular} \\
\hline 144 & Range M/A Low:Col & *ENG & \begin{tabular}{l}
[0.00 to 0.20 / 0.05 / \\
\(0.01 \mathrm{mg} / \mathrm{cm} 2 / \mathrm{step}]\)
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{3631} & \multicolumn{3}{|l|}{[Vk :Disp]} \\
\hline & \multicolumn{3}{|l|}{Displays latest develop start voltage.} \\
\hline 001 & Current:K & *ENG & \multirow{4}{*}{[-300 to 300 / 0 / 1-V/step]} \\
\hline 002 & Current:C & *ENG & \\
\hline 003 & Current:M & *ENG & \\
\hline 004 & Current:Y & *ENG & \\
\hline 111 & Current:F_K & ENG & \multirow{4}{*}{[-300 to 300 / 0 / 1-V/step]} \\
\hline 112 & Current:F_C & ENG & \\
\hline 113 & Current:F_M & ENG & \\
\hline 114 & Current:F_Y & ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 121 & Current:C_K & ENG & \multirow{4}{*}{[-300 to \(300 / 0\) / 1-V/step]} \\
\hline 122 & Current:C_C & ENG & \\
\hline 123 & Current:C_M & ENG & \\
\hline 124 & Current:C_Y & ENG & \\
\hline 131 & Current:R_K & ENG & \multirow{4}{*}{[-300 to 300 / 0 / 1-V/step]} \\
\hline 132 & Current:R_C & ENG & \\
\hline 133 & Current:R_M & ENG & \\
\hline 134 & Current:R_Y & ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 3650 & \multicolumn{3}{|l|}{[APC: Set]} \\
\hline \multirow{2}{*}{001} & Interval & *ENG & [0 to 200 / 0 / 1page/step] \\
\hline & \multicolumn{3}{|l|}{Sets executing interval of electric potential control during printing.} \\
\hline \multirow[b]{2}{*}{3650} & \multicolumn{3}{|l|}{[APC: Set]} \\
\hline & \multicolumn{3}{|l|}{Sets deposit amount threshold (upper/lower limit) to start supplying with supply gain 3 of electric potential control during print.} \\
\hline 011 & Page Cnt:K & *ENG & [0 to 200 / 0 / 1pages/step] \\
\hline 012 & Page Cnt:C & & [0 to 200 / 0 / 1pages/step] \\
\hline 013 & Page Cnt:M & & [0 to 200 / 0 / 1pages/step] \\
\hline 014 & Page Cnt:Y & & [0 to 200 / 0 / 1pages/step] \\
\hline 021 & Maximum M/A Corr:K & & [-150.000 to \(150.000 / 1.000 /\) \(0.001 \mathrm{mg} / \mathrm{cm} 2 / \mathrm{step}\) ] \\
\hline 022 & Maximum M/A Corr:C & & [-150.000 to \(150.000 / 1.000 /\) \(0.001 \mathrm{mg} / \mathrm{cm} 2 /\) step] \\
\hline 023 & Maximum M/A Corr:M & & [-150.000 to \(150.000 / 1.000 /\) \(0.001 \mathrm{mg} / \mathrm{cm} 2 / \mathrm{step}\) ] \\
\hline 024 & Maximum M/A Corr:Y & & \begin{tabular}{l}
[-150.000 to 150.000 / 1.000 / \\
0.001mg/cm2/step]
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 031 & M/A UpperLimit2:K & *ENG & \begin{tabular}{l}
[0.000 to 0.100 / 0.020 / \\
\(0.001 \mathrm{mg} / \mathrm{cm} 2 /\) step \(]\)
\end{tabular} \\
\hline 032 & M/A UpperLimit2:C & *ENG & \multirow{3}{*}{\[
\left[\begin{array}{l}
{[0.000 \text { to } 0.100 / 0.020 /} \\
0.001 \mathrm{mg} / \mathrm{cm} 2 / \mathrm{step}]
\end{array}\right.
\]} \\
\hline 033 & M/A UpperLimit2:M & *ENG & \\
\hline 034 & M/A UpperLimit2:Y & *ENG & \\
\hline 041 & M/A LowerLimit2:K & *ENG & [0.000 to 0.100 / 0.020 / \(0.001 \mathrm{mg} / \mathrm{cm} 2 /\) step] \\
\hline 042 & M/A LowerLimit2: C & *ENG & \multirow{3}{*}{\begin{tabular}{l}
[0.000 to \(0.100 / 0.020 /\) \\
\(0.001 \mathrm{mg} / \mathrm{cm} 2 / \mathrm{step}\) ]
\end{tabular}} \\
\hline 043 & M/A LowerLimit2:M & *ENG & \\
\hline 044 & M/A LowerLimit2:Y & *ENG & \\
\hline 3650 & \multicolumn{3}{|l|}{[APC: Set]} \\
\hline \multirow{2}{*}{051} & Corr Gain(GAMMA) & *ENG & [ 0 to 99 / 5 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets correction gain 1 of electric potential control during printing.} \\
\hline \multirow{2}{*}{052} & Corr Gain(ASSIST) & *ENG & [0 to 99 / 4 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets correction gain 2 of electric potential control during printing.} \\
\hline \multirow{2}{*}{053} & Corr Gain(ADJUST) & *ENG & [0 to 99 / 6 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets correction gain 3 of electric potential control during printing.} \\
\hline \multirow[b]{2}{*}{054} & Corr3MaxCnt & *ENG & [0 to 99 / 30 / 1time/step] \\
\hline & \multicolumn{3}{|l|}{Sets correction times for correction gain 3 of electric potential control during printing.} \\
\hline \multirow{2}{*}{055} & Interval Coef & *ENG & [0.0 to 1.0 / 0.5 / 0.1/step] \\
\hline & \multicolumn{3}{|l|}{Correction coefficient to correct Paper interval P pattern create interval.} \\
\hline \multirow{2}{*}{056} & ADJUSTMaxCnt & *ENG & [0 to 99 / 5 / 1time/step] \\
\hline & \multicolumn{3}{|l|}{Sets correction times for ASSIST of electric potential control during printing.} \\
\hline \multirow[b]{2}{*}{3650} & \multicolumn{3}{|l|}{[APC: Set]} \\
\hline & \multicolumn{3}{|l|}{Sets execution flag for correction gain 3 of electric potential control during printing.} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|c|l|}
\hline 061 & ADJUST Flag:K & \multicolumn{1}{|c|}{\({ }^{*}\) *ENG } & \multirow{2}{*}{ [0 or 1/0 / 1/step] } \\
\hline 062 & ADJUST Flag:C & [APC: Set] & *ENG
\end{tabular}
\begin{tabular}{|r|l|c|l|}
\hline \multirow{2}{*}{3660} & \multicolumn{3}{|l|}{} \\
\cline { 2 - 4 } & [IBACC:Disp/Set] & \\
\cline { 2 - 4 } 001 & Targity target value per IBACC pattern. \\
\hline 002 & TargetValue:K_P2 & *ENG & [0 to 1023 / 869 / 1/step] \\
\hline 003 & TargetValue:K_P3 & *ENG & [0 to 1023 / 702 / 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|l|c|l|}
\hline 004 & TargetValue:K_P4 & *ENG & {\([0\) to \(1023 / 323 / 1 /\) step \(]\)} \\
\hline 005 & TargetValue:K_P5 & *ENG & {\([0\) to \(1023 / 196 / 1 /\) step \(]\)} \\
\hline 006 & TargetValue:K_P6 & *ENG & {\([0\) to \(1023 / 254 / 1 /\) step \(]\)} \\
\hline 021 & TargetValue:C_P1 & *ENG & {\([0\) to \(1023 / 965 / 1 /\) step \(]\)} \\
\hline 022 & TargetValue:C_P2 & *ENG & {\([0\) to \(1023 / 909 / 1 /\) step \(]\)} \\
\hline 023 & TargetValue:C_P3 & *ENG & {\([0\) to \(1023 / 832 / 1 /\) step \(]\)} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline 3800 & \multicolumn{3}{|l|}{ [Waste Toner Full Detection] } \\
\hline 014 & Threshold : Remainder days & *ENG & {\([1\) to \(255 / 15 / 1 /\) step \(]\)} \\
\hline 022 & Background M/A & *ENG & {\(\left[\begin{array}{l}{[0 \text { to } 1000000 / 20 /} \\
0.000001 \mathrm{mg} / \mathrm{mm} 2 / \text { step }]\end{array}\right.\)} \\
\hline 023 & Percentage of Transfer Ratio & *ENG & {\([0\) to \(1000 / 810 / 0.1 \% /\) step \(]\)} \\
\hline 024 & Date of detection for near full & *ENG & {\([0\) or \(1 / 0 / 1 /\) step \(]\)} \\
\cline { 2 - 4 } & Displays latest date done mechanical detect. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 3810 & \multicolumn{3}{|l|}{[Lubricant End Detection]} \\
\hline & \begin{tabular}{l}
Near End Detection Distance: \\
Thres1:Bk
\end{tabular} & *ENG & [0 to 999999999 / 0 / 1cm/step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
*No use for this machine. \\
Rotation distance threshold: Bk from near end detect to near end detect 2.
\end{tabular}} \\
\hline & \begin{tabular}{l}
End Detection Distance: \\
Thres2:Bk
\end{tabular} & *ENG & [0 to 999999999 / 0 / 1cm/step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
*No use for this machine. \\
Rotation distance threshold: Bk from near end detect to end detect.
\end{tabular}} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{011} & Conduction Detection Times Counter:K & *ENG & [0 to 9 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
*No use for this machine. \\
Accumulation of continues detecting times.
\end{tabular}} \\
\hline \multirow[b]{2}{*}{015} & Near End Distance:K & *ENG & [0 to 999999999 / 0 / 1cm/step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
*No use for this machine. \\
PCU rotation distance of when detecting near end: saving SP
\end{tabular}} \\
\hline \multirow[t]{2}{*}{021} & Detection Flag:K & *ENG & \begin{tabular}{l}
[ 0 to \(3 / 0 / 1 /\) step] \\
0 : Undetected \\
1: mechanically detected \\
2: Near end detected \\
3: End detected.
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
*No use for this machine. \\
Detect flag
\end{tabular}} \\
\hline \multirow[t]{2}{*}{025} & New Unit Detection Flag:K & *ENG & \begin{tabular}{l}
[ 0 or 1 / 0 / 1/step] \\
0 : Normal state \\
1: New article detected
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
*No use for this machine. \\
New article detect flag
\end{tabular}} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline 3894 & \multicolumn{3}{|l|}{} \\
\hline 001 & Mainframe SP & & {\([0\) or \(1 / 0 / 1 /\) step \(]\)} \\
\hline 002 & AIT-ID chip & & {\([0\) or \(1 / 0 / 1 /\) step \(]\)} \\
\hline 003 & Toner tag & {\([0\) or \(1 / 0 / 1 /\) step \(]\)} \\
\hline 004 & All & {\([0\) or \(1 / 0 / 1 /\) step \(]\)} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|c|l|}
\hline \multirow{2}{*}{3905} & \multicolumn{2}{|l|}{ [Recycled Parts: New/Old Flag] } \\
\cline { 2 - 3 } & \begin{tabular}{l} 
Sets a flag able to recognize whether PCU is New or recycled per machine unit. \\
(Set to "1" for recycled)
\end{tabular} \\
\hline 001 & OPC:K & *ENG & \\
\hline 002 & OPC:C & *ENG & \multirow{2}{*}{ [0 or 1/0 / 1/step] } \\
\hline 003 & OPC:M & *ENG & \\
\hline 004 & OPC:Y & *ENG & \\
\hline
\end{tabular}

\subsection*{2.6 MAIN SP TABLES - 4}

\subsection*{2.6.1 SP4-XXX (SCANNER)}
\begin{tabular}{|r|r|r|l|}
\hline \multirow{2}{*}{4008} & \multicolumn{3}{|l|}{ [Sub Scan Magnification Adj] } \\
\cline { 2 - 4 } & Adjusts Sub Scan Magnification by 0.1\% each step. \\
\hline 001 & - & *ENG & \begin{tabular}{l}
{\([-1.0\) to \(1.0 / 0.0 / 0.1 \% /\) step] } \\
Picture will stretch as value \\
increases. \\
Picture will shrink as value \\
decreases.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|r|r|r|l|}
\hline \multirow{2}{*}{4010} & \multicolumn{3}{|l|}{ [Sub Scan Registration Adj] } \\
\cline { 2 - 4 } & \multicolumn{2}{|l|}{ Adjusts Sub Scan Registration position of book scanner by 0.1mm each step. } \\
\hline 001 & - & \begin{tabular}{l} 
*ENG \\
{\([-2.0\) to \(2.0 / 0.0 / 0.1 \mathrm{~mm} / \mathrm{step}]\)} \\
Picture will move to back edge of \\
sub scan as value increases. \\
Picture will move to front edge of \\
sub scan as value decreases.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{2}{*}{4011} & \multicolumn{2}{|l|}{ [Main Scan Reg] } \\
\cline { 2 - 4 } & Adjust Main Scan Registration position by 0.1mm each step. \\
\hline 001 & - & *ENG & \begin{tabular}{l}
{\([-2.5\) to \(2.5 / 0.0 / 0.1 \mathrm{~mm} / \mathrm{step}]\)} \\
Picture moves to right as value \\
increases. \\
Picture moves to left as value \\
decreases.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{4012} & \multicolumn{3}{|l|}{[Set Scale Mask]} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Adjusts scanning margins for the leading and trailing edges (sub scan) and right and left edge (main scan). \\
Note \\
- Do not adjust unless the customer desires a scanner margin greater than the printer margin. These settings are adjusted to erase shadows caused by the gap between the original and the scale of the scanner unit.
\end{tabular}} \\
\hline \multirow[b]{2}{*}{001} & Book:Sub LEdge & *ENG & [ 0.0 to 3.0 / 0.0 / \(0.1 \mathrm{~mm} / \mathrm{step}\) ] \\
\hline & \multicolumn{3}{|l|}{Sets mask area to erase scale shadow of sub scan leading edge (left side or original table) when scanning with book scanner.} \\
\hline \multirow[b]{2}{*}{002} & Book:Sub TEdge & *ENG & [ 0.0 to 3.0 / 0.0 / \(0.1 \mathrm{~mm} / \mathrm{step}\) ] \\
\hline & \multicolumn{3}{|l|}{Sets mask area to erase scale shadow of sub scan trailing edge (right side or original table) when scanning with book scanner.} \\
\hline \multirow[b]{2}{*}{003} & Book:Main:LEdge & *ENG & [ 0.0 to \(3.0 / 0.0 / 0.1 \mathrm{~mm} / \mathrm{step}\) ] \\
\hline & \multicolumn{3}{|l|}{Sets mask area to erase scale shadow of main scan leading edge (rear side or original table) when scanning with book scanner.} \\
\hline \multirow[b]{2}{*}{004} & Book:Main:TEdge & *ENG & [ 0.0 to 3.0 / 0.0 / \(0.1 \mathrm{~mm} / \mathrm{step}\) ] \\
\hline & \multicolumn{3}{|l|}{Sets mask area to erase scale shadow of main scan trailing edge (front side or original table) when scanning with book scanner.} \\
\hline \multirow[b]{2}{*}{005} & ADF: Leading Edge & *ENG & [ 0.0 to 3.0 / 0.0 / \(0.1 \mathrm{~mm} / \mathrm{step}\) ] \\
\hline & \multicolumn{3}{|l|}{Sets mask area to erase scale shadow of sub scan leading edge when scanning with ADF.} \\
\hline \multirow[b]{2}{*}{007} & ADF: Right & *ENG & [0.0 to \(3.0 / 0.0 / 0.1 \mathrm{~mm} / \mathrm{step}\) ] \\
\hline & \multicolumn{3}{|l|}{Sets mask area to erase scale shadow of main scan leading edge when scanning with ADF.} \\
\hline \multirow[b]{2}{*}{008} & ADF: left & *ENG & [ 0.0 to 3.0 / 0.0 / \(0.1 \mathrm{~mm} / \mathrm{step}\) ] \\
\hline & \multicolumn{3}{|l|}{Sets mask area to erase scale shadow of main scan trailing edge when scanning with ADF.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{4013} & \multicolumn{3}{|l|}{[Scanner Free Run]} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
(4) Note \(\qquad\) ) \\
- Scan operation amount will depend of the latest scanning size
\end{tabular}} \\
\hline \multirow[t]{2}{*}{001} & Book mode :Lamp Off & ENG & \[
\begin{aligned}
& {[0 \text { or } 1 / 0 / 1 / \text { step }]} \\
& 0: \text { OFF } \\
& \text { 1: ON }
\end{aligned}
\] \\
\hline & \multicolumn{3}{|l|}{Repeats carriage reciprocating motion with lamp off.} \\
\hline \multirow[t]{2}{*}{002} & Book mode :Lamp On & ENG & \begin{tabular}{l}
[ 0 or 1 / 0 / 1/step] \\
0 : OFF \\
1: ON
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Repeats carriage reciprocating motion with lamp on.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 4014 & \multicolumn{3}{|l|}{[Scan]} \\
\hline \multirow[b]{2}{*}{001} & HP Detection Enable & ENG & \[
\begin{aligned}
& \text { [0 or } 1 / 0 \text { / 1/step] } \\
& 0: \text { OFF, 1:ON }
\end{aligned}
\] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Runs Scanner (HP Detection Enable). \\
Reading size, speed is same as the most recent run(Default is FC, A3, Actual size)
\end{tabular}} \\
\hline \multirow[b]{2}{*}{002} & HP Detection Disable & ENG & [ 0 or 1 / 0 / 1/step] \(0: O F F, 1: O N\) \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Runs Scanner (HP Detection Disable). \\
Reading size, speed is same as the most recent run(Default is FC, A3, Actual size)
\end{tabular}} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 4020 & \multicolumn{3}{|l|}{[Dust Check]} \\
\hline \multirow[t]{2}{*}{001} & Dust Detect:On/Off & *ENG & [ 0 or \(1 / 0\) / 1/step] 0: OFF, 1: ON \\
\hline & \multicolumn{3}{|l|}{Sets DF Dust Detection ON/OFF.} \\
\hline 002 & Dust Detect:Lvl & *ENG & \begin{tabular}{l}
[0 to 8 / 4 / 1/step] \\
0 : lowest detection level \\
8: highest detection level
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline & \multicolumn{3}{|l|}{Sets DF Dust Detect Level. Easier to Detect as Value increases.} \\
\hline 4020 & \multicolumn{3}{|l|}{[Dust Check Lvl]} \\
\hline \multirow[b]{2}{*}{003} & Dust Reject:Lvi & *ENG & [0 to 4 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets ON/OFF and switches level of Vertical stripes correction. 0=OFF, sets leve to 1 from 4. Stronger correction as value increases.} \\
\hline 4020 & \multicolumn{3}{|l|}{[DF Dust Check]} \\
\hline \multirow[t]{2}{*}{011} & Dust Detect Level:Rear & *ENG & \begin{tabular}{l}
[ 0 or \(1 / 0\) / \(1 /\) step] \\
0: OFF, 1: ON
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Sets ON/OFF DF: Rear dust detection setting.} \\
\hline \multirow[t]{2}{*}{012} & Correction Level:Rear & *ENG & \begin{tabular}{l}
[0 to 8 / 4 / 1/step] \\
0 :Lowest level \\
8:Highest level
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Sets DF: Rear dust detection level. As the value enlarges, easier to detect.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 4201 & \multicolumn{3}{|l|}{[LoCPP edge level:K]} \\
\hline 001 & 600dpi 2bit edge1 & *ENG & \begin{tabular}{l}
[0 to 15 / 11 / 1/step] \\
Value increase: Tonner adhesion amount will increase for Bk picture edge. \\
Toner decrease: Toner adhesion amount will decrease for Bk picture edge.
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Upper limit threshold parameter for smaller edge: 600dpi 2bit} \\
\hline \multirow[t]{2}{*}{002} & 600dpi 2bit edge23 & *ENG & \begin{tabular}{l}
[ 0 to 15 / 11 / 1/step] \\
Value increase: Tonner adhesion amount will increase for Bk picture edge. \\
Toner decrease: Toner adhesion amount will decrease for Bk picture edge
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Upper limit threshold parameter for larger edge: 600dpi 2bit} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[t]{2}{*}{003} & 600dpi 4bit edge1 & *ENG & \begin{tabular}{l}
[0 to 15 / 11 / 1/step] \\
Value increase: Tonner adhesion amount will increase for Bk picture edge. \\
Toner decrease: Toner adhesion amount will decrease for Bk picture edge.
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Upper limit threshold parameter for smaller edge: 600dpi 4bit} \\
\hline \multirow[t]{2}{*}{004} & 600dpi 4bit edge23 & *ENG & \begin{tabular}{l}
[0 to 15 / 11 / 1/step] \\
Value increase: Tonner adhesion amount will increase for Bk picture edge. \\
Toner decrease: Toner adhesion amount will decrease for Bk picture edge.
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Upper limit threshold parameter for larger edge: 600dpi 4bit} \\
\hline \multirow{2}{*}{4201} & \multicolumn{3}{|l|}{[LoCPP edge offlon:K]} \\
\hline & \multicolumn{3}{|l|}{Off/on for Smaller/larger edge: 1200dpi 1bit} \\
\hline \multirow[b]{2}{*}{011} & 1200dpi 1bit edge12 & *ENG & [ 0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
ON/OFF for smaller edge: 1200dpi 1bit \\
Select ON/OFF for low CPP edge correction with 1200dpi 1bit.
\end{tabular}} \\
\hline \multirow[b]{2}{*}{012} & 1200dpi 1bit edge345 & *ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
ON/OFF for larger edge: 1200dpi 1bit \\
Select ON/OFF for low CPP edge correction with 1200dpi 1bit.
\end{tabular}} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 4301 & \multicolumn{3}{|l|}{[Operation Check APS Sensor]} \\
\hline 001 & Operation Check APS Sensor & *ENG & \begin{tabular}{l}
[ 0 to 255 / 0 / 1/step] \\
0 : Not detected \\
1: Detected
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{SP for testing APS Sensor function.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 4303 & \multicolumn{3}{|l|}{[Min Size for APS]} \\
\hline & Min Size for APS & *ENG & \begin{tabular}{l}
[ 0 or \(1 / 0 / 1 /\) step] \\
0 : No Original \\
1: A5-Lengthwise
\end{tabular} \\
\hline 001 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Sets display when non-standard (small size) size original is detected. \\
Dote \\
- Sets display when non-standard (small size) size original is detected. \\
- When "2:EU" is selected at SP5-131-001 and " \(3: 8 \mathrm{~K} 16 \mathrm{~K}\) " with SP4-305-001, Decision of SP4-303-001 will be "1:16K Vertical"
\end{tabular}} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|}
\hline 4305 & [8K/16K Detection] \\
\hline \multirow[t]{2}{*}{001} & *ENG \begin{tabular}{l|l} 
[0 to \(3 / 0 / 1 /\) step] \\
0: Normal Detection \\
1: A4-Sideways LT-Lengthwise \\
2: LT-Sideways A4-Lengthwise \\
3: 8 K 16 K
\end{tabular} \\
\hline & \begin{tabular}{l}
Sets assign of decision size when original size is detected. \\
Note \(\qquad\) \\
- When " \(0:\) JA" or " \(1:\) : NA" is set at SP5-131-001, "3: 8 K 16 K series" can not be selected with SP4-305-001.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 4308 & \multicolumn{3}{|l|}{[Scan Size Detection]} \\
\hline \multirow[t]{2}{*}{001} & Detection ON/OFF & *ENG & \[
\begin{aligned}
& {[0 \text { to } 2 / 1 \text { / 1/step }]} \\
& \text { 0: OFF } \\
& \text { 1: ON } \\
& \text { 2: APS }
\end{aligned}
\] \\
\hline & \multicolumn{3}{|l|}{Switch Original size detection ON/OFF.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 4309 & \multicolumn{3}{|l|}{[Scan Size Detect:Setting]} \\
\hline \multirow{2}{*}{001} & Original Density Thresh & *ENG & [0 to 255 / 18 / 1digit/step] \\
\hline & \multicolumn{3}{|l|}{Sets scan image density Thresh for Scan size detection.} \\
\hline \multirow{2}{*}{002} & Detection Time & *ENG & [20 to 100 / 60 / 20 msecstep] \\
\hline & \multicolumn{3}{|l|}{Detection time for scan size detection.} \\
\hline \multirow{2}{*}{003} & Lamp ON:Delay Time & *ENG & [ 40 to \(200 / 40\) / \(10 \mathrm{msec} / \mathrm{step}\) ] \\
\hline & \multicolumn{3}{|l|}{Adjusts lamp light timing for scan size detection.} \\
\hline \multirow{2}{*}{004} & LED PWM Duty & *ENG & [0 to \(100 / 60 / 1 /\) step] \\
\hline & \multicolumn{3}{|l|}{Adjusts lamp light timing for scan size detection.} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{2}{*}{4310} & \multicolumn{2}{|l|}{ [Scan Size Detect Value] } \\
\cline { 2 - 3 } & \multicolumn{2}{|l|}{ Checks the density of scanning data for the scan size detection. } \\
\hline 001 & S1:R & ENG & \\
\hline 002 & S1:G & ENG \\
\hline 003 & S1:B & ENG \\
\hline 004 & S2:R & ENG \\
\hline 005 & S2:G & ENG & to \(255 / 0 / 1\) digit/step] \\
\hline 006 & S2:B & ENG \\
\hline 007 & S3:R & ENG \\
\hline 008 & S3:G & ENG \\
\hline 009 & S3:B & ENG \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 4350 & \multicolumn{3}{|l|}{[Intermittent Shading : BW]} \\
\hline \multirow[t]{2}{*}{001} & Switch On/Off & ENG & \begin{tabular}{l}
[ 0 or 1 / 1 / 1/step] \\
0 : Every time shading \\
1: Interval shading
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Switches On/OFF for Intermittent Shading when scanning BW (Simplex/Duplex).} \\
\hline \multirow[b]{2}{*}{002} & Interval 1 & ENG & [0 to 65535 / 180 / 1sec/step] \\
\hline & \multicolumn{3}{|l|}{Sets Intermittent Shading interval 1(from light on to the times done in Intermittent Shading interval set with SP4-350-003) when scanning BW.} \\
\hline \multirow{2}{*}{003} & Interval 1 Repetitions & ENG & [1 to \(60 / 1 / 1 /\) step] \\
\hline & \multicolumn{3}{|l|}{Sets Shading time within Interval1 when scanning BW.} \\
\hline \multirow[b]{2}{*}{004} & Interval 2 & ENG & [0 to 65535 / 180 / 1sec/step] \\
\hline & \multicolumn{3}{|l|}{Sets Intermittent Shading interval 2(Intermittent Shading interval after interval1 is dome) when scanning BW.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 4351 & \multicolumn{3}{|l|}{[Intermittent Shading : FC]} \\
\hline \multirow[t]{2}{*}{001} & Switch On/Off & ENG & \begin{tabular}{l}
[0 or 1 / 1 / 1/step] \\
0 : Every time shading \\
1: Interval shading
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Selects shading operation for color scanning.} \\
\hline \multirow{2}{*}{002} & Interval 1 & ENG & [0 to 65535 / 180 / 1sec/step] \\
\hline & \multicolumn{3}{|l|}{Sets interval shading interval 1 for Color scanning (Duplex/Simplex).} \\
\hline \multirow[b]{2}{*}{003} & Interval 1 Repetitions & ENG & [1 to \(60 / 1 / 1 /\) step] \\
\hline & \multicolumn{3}{|l|}{Sets operating times of interval shading interval 1 for color scanning (Duplex/Simplex).} \\
\hline \multirow{2}{*}{004} & Interval 2 & ENG & [0 to 65535 / 180 / 1sec/step] \\
\hline & \multicolumn{3}{|l|}{Sets interval shading interval 2 for Color scanning (Duplex/Simplex).} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 4400 & \multicolumn{3}{|l|}{[Org Edge Mask]} \\
\hline \multirow[b]{2}{*}{001} & Book:Sub:LEdge(Left) & *ENG & [ 0.0 to 3.0 / 0.0 / \(0.1 \mathrm{~mm} / \mathrm{step}\) ] \\
\hline & \multicolumn{3}{|l|}{Sets mask area to erase original shadow of sub scan leading edge (left side or original table) when scanning with book scanner.} \\
\hline \multirow[b]{2}{*}{002} & Book:Sub:TEdge(Right) & *ENG & [ 0.0 to \(3.0 / 0.0 / 0.1 \mathrm{~mm} / \mathrm{step}\) ] \\
\hline & \multicolumn{3}{|l|}{Sets mask area to erase original shadow of sub scan trailing edge (right side or original table) when scanning with book scanner.} \\
\hline \multirow[b]{2}{*}{003} & Book:Main:LEdge(Rear) & *ENG & [ 0.0 to \(3.0 / 0.0 / 0.1 \mathrm{~mm} / \mathrm{step}\) ] \\
\hline & \multicolumn{3}{|l|}{Sets mask area to erase original shadow of main scan leading edge (rear side or original table) when scanning with book scanner.} \\
\hline \multirow[b]{2}{*}{004} & Book:Main:Tedge(Front) & *ENG & [ 0.0 to \(3.0 / 0.0 / 0.1 \mathrm{~mm} / \mathrm{step}\) ] \\
\hline & \multicolumn{3}{|l|}{Sets mask area to erase original shadow of main scan trailing edge (front side or original table) when scanning with book scanner.} \\
\hline 4400 & [Scanner Erase Margin] & & \\
\hline \multirow[b]{2}{*}{005} & ADF:Sub:LEdge(Left) & *ENG & [0.0 to \(3.0 / 0.0 / 0.1 \mathrm{~mm} / \mathrm{step}\) ] \\
\hline & \multicolumn{3}{|l|}{Sets mask area to erase original shadow of sub scan leading edge when scanning with ADF.} \\
\hline \multirow[b]{2}{*}{007} & ADF:Main:LEdge(Rear) & *ENG & [ 0.0 to \(3.0 / 0.0 / 0.1 \mathrm{~mm} / \mathrm{step}\) ] \\
\hline & \multicolumn{3}{|l|}{Sets mask area to erase original shadow of main scan leading edge when scanning with ADF.} \\
\hline \multirow[b]{2}{*}{008} & ADF:Main:TEdge(Front) & *ENG & [ 0.0 to \(3.0 / 0.0 / 0.1 \mathrm{~mm} / \mathrm{step}\) ] \\
\hline & \multicolumn{3}{|l|}{Sets mask area to erase original shadow of main scan trailing edge when scanning with ADF.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 4417 & \multicolumn{3}{|l|}{[IPU Test Pattern]} \\
\hline \multirow[t]{2}{*}{001} & Test Pattern & ENG & \begin{tabular}{l}
[ 0 to \(8 / 0\) / 1/step] \\
0 : Scanned image \\
1: Gradation main scan A \\
2: Patch 16C \\
3: Grid pattern A \\
4: Slant grid pattern B \\
5: Slant grid pattern C \\
6: Slant grid pattern D \\
7: Scanned+Slant Grid C \\
8: Scanned+Slant Grid D
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Selects test pattern packaged with IPU ASIC. \\
Pattern is for design purpose, content of pattern will be omit,
\end{tabular}} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 4429 & \multicolumn{3}{|l|}{[Select Copy Data Security]} \\
\hline \multirow[b]{2}{*}{001} & Copying & *ENG & [0 to 3 / 3 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Switches unjust copy output pattern density for copy. As the value enlarges, gets deeper.} \\
\hline \multirow[b]{2}{*}{002} & Scanning & *ENG & [0 to 3 / 3 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Switches unjust copy output pattern density for scan. As the value enlarges, gets deeper.} \\
\hline \multirow[b]{2}{*}{003} & Fax Operation & *ENG & [0 to 3 / 3 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Switches unjust copy output pattern density for fax. As the value enlarges, gets deeper.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 4450 & \multicolumn{3}{|l|}{[Scan Image Pass Selection]} \\
\hline \multirow[t]{2}{*}{001} & Black Subtraction ON/OFF & *ENG & \[
\begin{aligned}
& \text { [0 or } 1 / 1 / 1 / \text { step }] \\
& 0: \text { OFF } \\
& 1: O N(\text { Normal })
\end{aligned}
\] \\
\hline & \multicolumn{3}{|l|}{Switches IPU Scanner image pass ON/OFF (black reduction). Use to evaluate design, analyze cause of malfunction (image error).} \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|l|}
\hline \multirow{3}{*}{002} & SH ON/OFF & *ENG & \begin{tabular}{l} 
[0 or 1/0 / 1/step] \\
0: ON(Normal) \\
1: OFF
\end{tabular} \\
\cline { 2 - 4 } & \begin{tabular}{l} 
Switches IPU Scanner image pass ON/OFF (shading). \\
Use to evaluate design, analyze cause of malfunction (image error).
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline 4460 & \multicolumn{3}{|l|}{ [Digital AE] } \\
\hline 001 & Low Limit Value & *ENG & [0 to 1023 / 364 / 1/step] \\
\cline { 2 - 5 } & \begin{tabular}{l} 
Sets lower limit threshold to detect background when scanning with DF front/ \\
Book. Considers as background when an area of input image is brighter (larger \\
value) than threshold.
\end{tabular} \\
\hline 002 & \begin{tabular}{l} 
Background level
\end{tabular} & \begin{tabular}{l} 
Sets background level to decide output value of background erase when \\
scanning DF front / Book. As the value enlarges, gets thinner.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 4501 & \multicolumn{3}{|l|}{[ACC Target Den]} \\
\hline \multirow{2}{*}{001} & Copy:K:Text & *ENG & [0 to 10 / 5 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets target value of copy ACC against letter (edge) part Black plate.} \\
\hline \multirow{2}{*}{002} & Copy:C:Text & *ENG & [0 to 10 / 5 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets target value of copy ACC against letter (edge) part Cyan plate.} \\
\hline \multirow{2}{*}{003} & Copy:M:Text & *ENG & [0 to 10 / 5 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets target value of copy ACC against letter (edge) part Magenta plate.} \\
\hline \multirow{2}{*}{004} & Copy:Y:Text & *ENG & [0 to 10 / 5 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets target value of copy ACC against letter (edge) part Yellow plate.} \\
\hline \multirow{2}{*}{005} & Copy:K:Photo & *ENG & [0 to 10 / 5 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets target value of copy ACC against photo (non edge) part Black plate.} \\
\hline \multirow{2}{*}{006} & Copy:C:Photo & *ENG & [0 to 10 / 5 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets target value of copy ACC against photo (non edge) part Cyan plate.} \\
\hline
\end{tabular}
\begin{tabular}{|l|l|c|l|}
\hline \multirow{3}{*}{007} & Copy:M:Photo & *ENG & {\([0\) to \(10 / 5 / 1 /\) step \(]\)} \\
\cline { 2 - 4 } & Sets target value of copy ACC & against photo (non edge) part Magenta plate. \\
\hline \multirow{3}{*}{008} & Copy:Y:Photo & *ENG & [0 to 10 / 5 / 1/step] \\
\cline { 2 - 4 } & Sets target value of copy ACC against photo (non edge) part Yellow plate. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 4505 & \multicolumn{3}{|l|}{[ACC Cor:Bright]} \\
\hline \multirow[b]{2}{*}{001} & Master:K & *ENG & [-128 to 127 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Adjusts target value (larger, thinner) of copy ACC against letter (edge) part Black plate (Highlight area) depending on setting value (-128 to 127).} \\
\hline \multirow[b]{2}{*}{002} & Master: C & *ENG & [-128 to 127 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Adjusts target value (larger, thinner) of copy ACC against letter (edge) part Cyan plate (Highlight area) depending on setting value (-128 to 127).} \\
\hline \multirow[b]{2}{*}{003} & Master:M & *ENG & [-128 to 127 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Adjusts target value (larger, thinner) of copy ACC against letter (edge) part Magenta plate (Highlight area) depending on setting value (-128 to 127).} \\
\hline \multirow[b]{2}{*}{004} & Master:Y & *ENG & [-128 to \(127 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Adjusts target value (larger, thinner) of copy ACC against letter (edge) part Yellow plate (Highlight area) depending on setting value (-128 to 127).} \\
\hline \multirow[b]{2}{*}{005} & Slave:K & *ENG & [-128 to 127 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Adjusts target value (larger, thinner) of copy ACC against photo (non edge) part Black plate (Highlight area) depending on setting value (-128 to 127).} \\
\hline \multirow[b]{2}{*}{006} & Slave:C & *ENG & [-128 to 127 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Adjusts target value (larger, thinner) of copy ACC against photo (non edge) part Cyan plate (Highlight area) depending on setting value (-128 to 127).} \\
\hline \multirow[b]{2}{*}{007} & Slave:M & *ENG & [-128 to 127 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Adjusts target value (larger, thinner) of copy ACC against photo (non edge) part Magenta plate (Highlight area) depending on setting value (-128 to 127).} \\
\hline 008 & Slave:Y & *ENG & [-128 to 127 / 0 / 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|l|l|}
\hline & \begin{tabular}{l} 
Adjusts target value (larger, thinner) of copy ACC against photo (non edge) part \\
Yellow plate (Highlight area) depending on setting value (-128 to 127).
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 4506 & \multicolumn{3}{|l|}{[ACC Cor:Dark]} \\
\hline \multirow[b]{2}{*}{001} & Master:K & *ENG & [-128 to 127 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Adjusts target value (larger, thinner) of copy ACC against letter (edge) part Black plate (Shadow area) depending on setting value (-128 to 127).} \\
\hline \multirow[b]{2}{*}{002} & Master:C & *ENG & [-128 to 127 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Adjusts target value (larger, thinner) of copy ACC against letter (edge) part Cyan plate (Shadow area) depending on setting value (-128 to 127).} \\
\hline \multirow[b]{2}{*}{003} & Master:M & *ENG & [-128 to 127 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Adjusts target value (larger, thinner) of copy ACC against letter (edge) part Magenta plate (Shadow area) depending on setting value (-128 to 127).} \\
\hline \multirow[b]{2}{*}{004} & Master:Y & *ENG & [-128 to 127 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Adjusts target value (larger, thinner) of copy ACC against letter (edge) part Yellow plate (Shadow area) depending on setting value (-128 to 127).} \\
\hline \multirow[b]{2}{*}{005} & Slave:K & *ENG & [-128 to 127 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Adjusts target value (larger, thinner) of copy ACC against photo (non edge) part Black plate (Shadow area) depending on setting value (-128 to 127).} \\
\hline \multirow[b]{2}{*}{006} & Slave:C & *ENG & [-128 to 127 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Adjusts target value (larger, thinner) of copy ACC against photo (non edge) part Cyan plate (Shadow area) depending on setting value (-128 to 127).} \\
\hline \multirow[b]{2}{*}{007} & Slave:M & *ENG & [-128 to 127 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Adjusts target value (larger, thinner) of copy ACC against photo (non edge) part Magenta plate (Shadow area) depending on setting value (-128 to 127).} \\
\hline \multirow[b]{2}{*}{008} & Slave:Y & *ENG & [-128 to 127 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Adjusts target value (larger, thinner) of copy ACC against photo (non edge) part Yellow plate (Shadow area) depending on setting value (-128 to 127).} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{4520} & \multicolumn{3}{|l|}{[IBACC:DetectedValue]} \\
\hline & \multicolumn{3}{|l|}{Latest density detecting value per IBACC pattern.} \\
\hline 001 & Latest:K_P1 & *ENG & \multirow{24}{*}{[0 to 1023 / 0 / 1/step]} \\
\hline 002 & Latest:K_P2 & *ENG & \\
\hline 003 & Latest:K_P3 & *ENG & \\
\hline 004 & Latest:K_P4 & *ENG & \\
\hline 005 & Latest:K_P5 & *ENG & \\
\hline 006 & Latest:K_P6 & *ENG & \\
\hline 021 & Latest:C_P1 & *ENG & \\
\hline 022 & Latest:C_P2 & *ENG & \\
\hline 023 & Latest:C_P3 & *ENG & \\
\hline 024 & Latest:C_P4 & *ENG & \\
\hline 025 & Latest:C_P5 & *ENG & \\
\hline 026 & Latest:C_P6 & *ENG & \\
\hline 041 & Latest:M_P1 & *ENG & \\
\hline 042 & Latest:M_P2 & *ENG & \\
\hline 043 & Latest:M_P3 & *ENG & \\
\hline 044 & Latest:M_P4 & *ENG & \\
\hline 045 & Latest:M_P5 & *ENG & \\
\hline 046 & Latest:M_P6 & *ENG & \\
\hline 061 & Latest:Y_P1 & *ENG & \\
\hline 062 & Latest:Y_P2 & *ENG & \\
\hline 063 & Latest:Y_P3 & *ENG & \\
\hline 064 & Latest:Y_P4 & *ENG & \\
\hline 065 & Latest:Y_P5 & *ENG & \\
\hline 066 & Latest:Y_P6 & *ENG & \\
\hline
\end{tabular}

\begin{tabular}{|c|c|c|c|}
\hline 4540 & \multicolumn{3}{|l|}{[Print Coverage]} \\
\hline \multirow[t]{2}{*}{001} & RY Phase: Option & *ENG & \[
\begin{aligned}
& \text { [0 to } 255 \text { / } 0 \text { / 1/step] } \\
& 0: \text { OFF } \\
& 1: \text { ON }
\end{aligned}
\] \\
\hline & \multicolumn{3}{|l|}{Sets ON/OFF (0: OFF, 1: ON) for copy output color adjust (each corresponding picture quality mode) of \(R\) (to Y ) Phase.} \\
\hline \multirow[b]{2}{*}{002} & RY Phase: R & *ENG & [-256 to 255 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Adjusts Value (-256 to +255 ) for copy output color (C ingredient) corresponding \(R\) (to Y ) Phase. Larger the darker.} \\
\hline \multirow[b]{2}{*}{003} & RY Phase: G & *ENG & [-256 to 255 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Adjusts Value (-256 to +255 ) for copy output color (M ingredient) corresponding \(R\) (to Y ) Phase. Larger the darker.} \\
\hline \multirow[b]{2}{*}{004} & RY Phase: B & *ENG & [-256 to 255 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Adjusts Value (-256 to +255 ) for copy output color ( Y ingredient) corresponding R (to Y) Phase. Larger the darker.} \\
\hline \multirow[t]{2}{*}{005} & YR Phase: Option & *ENG & \[
\begin{aligned}
& {[0 \text { to } 255 / 0 / 1 / \text { step }]} \\
& 0: \text { OFF } \\
& 1: \text { ON }
\end{aligned}
\] \\
\hline & \multicolumn{3}{|l|}{Sets ON/OFF (0: OFF, 1: ON) for copy output color adjust (each corresponding picture quality mode) of \(Y\) (to \(R\) ) Phase.} \\
\hline \multirow[b]{2}{*}{006} & YR Phase: R & *ENG & [-256 to 255 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Adjusts Value (-256 to +255 ) for copy output color (C ingredient) corresponding Y (to R) Phase. Larger the darker.} \\
\hline \multirow[b]{2}{*}{007} & YR Phase: G & *ENG & [-256 to 255 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Adjusts Value ( -256 to +255 ) for copy output color (M ingredient) corresponding Y (to R) Phase. Larger the darker.} \\
\hline \multirow[b]{2}{*}{008} & YR Phase: B & *ENG & [-256 to 255 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Adjusts Value (-256 to +255) for copy output color (Y ingredient) corresponding Y (to R) Phase. Larger the darker.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[t]{2}{*}{009} & YG Phase: Option & *ENG & \[
\begin{aligned}
& {[0 \text { to } 255 / 0 / 1 / \text { step }]} \\
& \text { 0:OFF } \\
& \text { 1:ON }
\end{aligned}
\] \\
\hline & \multicolumn{3}{|l|}{Sets ON/OFF (0: OFF, 1: ON) for copy output color adjust (each corresponding picture quality mode) of \(Y\) (to G) Phase.} \\
\hline \multirow[b]{2}{*}{010} & YG Phase: R & *ENG & [-256 to 255 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Adjusts Value (-256 to +255 ) for copy output color (C ingredient) corresponding Y (to G) Phase. Larger the darker.} \\
\hline \multirow[b]{2}{*}{011} & YG Phase: G & *ENG & [-256 to 255 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Adjusts Value (-256 to +255 ) for copy output color (M ingredient) corresponding Y (to G) Phase. Larger the darker.} \\
\hline \multirow[b]{2}{*}{012} & YG Phase: B & *ENG & [-256 to 255 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Adjusts Value (-256 to +255 ) for copy output color (Y ingredient) corresponding Y (to G) Phase. Larger the darker.} \\
\hline \multirow[t]{2}{*}{013} & GY Phase: Option & *ENG & \begin{tabular}{l}
[ 0 to 255 / 0 / 1/step] \\
0:OFF \\
1:ON
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Sets ON/OFF (0: OFF, 1: ON) for copy output color adjust (each corresponding picture quality mode) of G (to Y ) Phase.} \\
\hline \multirow[b]{2}{*}{014} & GY Phase: R & *ENG & [-256 to 255 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Adjusts Value (-256 to +255 ) for copy output color (C ingredient) corresponding G (to Y) Phase. Larger the darker.} \\
\hline \multirow[b]{2}{*}{015} & GY Phase: G & *ENG & [-256 to 255 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Adjusts Value (-256 to +255 ) for copy output color (M ingredient) corresponding G (to Y) Phase. Larger the darker.} \\
\hline \multirow[b]{2}{*}{016} & GY Phase: B & *ENG & [-256 to 255 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Adjusts Value ( -256 to +255 ) for copy output color (Y ingredient) corresponding G (to \(Y\) ) Phase. Larger the darker.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[t]{2}{*}{017} & GC Phase: Option & *ENG & \begin{tabular}{l}
[0 to 255/0/1/step] \\
0:OFF \\
1:ON
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Sets ON/OFF (0: OFF, 1: ON) for copy output color adjust (each corresponding picture quality mode) of G (to C ) Phase.} \\
\hline \multirow[b]{2}{*}{018} & GC Phase: R & *ENG & [-256 to 255 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Adjusts Value (-256 to +255 ) for copy output color (C ingredient) corresponding G (to C) Phase. Larger the darker.} \\
\hline \multirow[b]{2}{*}{019} & GC Phase: G & *ENG & [-256 to 255 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Adjusts Value (-256 to +255 ) for copy output color (C ingredient) corresponding G (to C) Phase. Larger the darker.} \\
\hline \multirow[b]{2}{*}{020} & GC Phase: B & *ENG & [-256 to 255 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Adjusts Value (-256 to +255 ) for copy output color ( Y ingredient) corresponding G (to C) Phase. Larger the darker.} \\
\hline \multirow[t]{2}{*}{021} & CG Phase: Option & *ENG & \[
\begin{aligned}
& {[0 \text { to } 255 / 0 / 1 / \text { step }]} \\
& 0 \text { 0:OFF } \\
& \text { 1:ON }
\end{aligned}
\] \\
\hline & \multicolumn{3}{|l|}{Sets ON/OFF (0: OFF, 1: ON) for copy output color adjust (each corresponding picture quality mode) of \(C\) (to \(G\) ) Phase.} \\
\hline \multirow[b]{2}{*}{022} & CG Phase: R & *ENG & [-256 to 255 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Adjusts Value (-256 to +255 ) for copy output color (C ingredient) corresponding C (to G) Phase. Larger the darker.} \\
\hline \multirow[b]{2}{*}{023} & CG Phase: G & *ENG & [-256 to 255 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Adjusts Value (-256 to +255 ) for copy output color (M ingredient) corresponding C (to G) Phase. Larger the darker.} \\
\hline \multirow[b]{2}{*}{024} & CG Phase: B & *ENG & [-256 to 255 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Adjusts Value (-256 to +255 ) for copy output color (Y ingredient) corresponding C (to G) Phase. Larger the darker.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[t]{2}{*}{025} & CB Phase: Option & *ENG & \[
\begin{aligned}
& {[0 \text { to } 255 / 0 / 1 / \text { step }]} \\
& 0: \text { OFF } \\
& \text { 1:ON }
\end{aligned}
\] \\
\hline & \multicolumn{3}{|l|}{Sets ON/OFF (0: OFF, 1: ON) for copy output color adjust (each corresponding picture quality mode) of \(C\) (to \(B\) ) Phase.} \\
\hline \multirow[b]{2}{*}{026} & CB Phase: R & *ENG & [-256 to 255 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Adjusts Value (-256 to +255 ) for copy output color (C ingredient) corresponding C (to B) Phase. Larger the darker.} \\
\hline \multirow[b]{2}{*}{027} & CB Phase: G & *ENG & [-256 to 255 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Adjusts Value (-256 to +255 ) for copy output color (M ingredient) corresponding C (to B) Phase. Larger the darker.} \\
\hline \multirow[b]{2}{*}{028} & CB Phase: B & *ENG & [-256 to 255 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Adjusts Value (-256 to +255 ) for copy output color (Y ingredient) corresponding C (to B) Phase. Larger the darker.} \\
\hline \multirow[t]{2}{*}{029} & BC Phase: Option & *ENG & \[
\begin{aligned}
& {[0 \text { to } 255 / 0 / 1 / \text { step }]} \\
& 0: \text { OFF } \\
& \text { 1:ON }
\end{aligned}
\] \\
\hline & \multicolumn{3}{|l|}{Sets ON/OFF (0: OFF, 1: ON) for copy output color adjust (each corresponding picture quality mode) of B (to C ) Phase.} \\
\hline \multirow[b]{2}{*}{030} & BC Phase: R & *ENG & [-256 to 255 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Adjusts Value (-256 to +255 ) for copy output color (C ingredient) corresponding B (to C) Phase. Larger the darker.} \\
\hline \multirow[b]{2}{*}{031} & BC Phase: G & *ENG & [-256 to 255 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Adjusts Value ( -256 to +255 ) for copy output color (M ingredient) corresponding B (to C) Phase. Larger the darker.} \\
\hline \multirow[b]{2}{*}{032} & BC Phase: B & *ENG & [-256 to 255 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Adjusts Value (-256 to +255) for copy output color (Y ingredient) corresponding B (to C) Phase. Larger the darker.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[t]{2}{*}{033} & BM Phase: Option & *ENG & \[
\begin{aligned}
& \text { [0 to } 255 \text { / } 0 \text { / 1/step] } \\
& 0: \text { OFF } \\
& \text { 1:ON }
\end{aligned}
\] \\
\hline & \multicolumn{3}{|l|}{Sets ON/OFF (0: OFF, 1: ON) for copy output color adjust (each corresponding picture quality mode) of \(B\) (to \(M\) ) Phase.} \\
\hline \multirow[b]{2}{*}{034} & BM Phase: R & *ENG & [-256 to 255 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Adjusts Value (-256 to +255 ) for copy output color (C ingredient) corresponding B (to M) Phase. Larger the darker.} \\
\hline \multirow[b]{2}{*}{035} & BM Phase: G & *ENG & [-256 to 255 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Adjusts Value (-256 to +255 ) for copy output color (M ingredient) corresponding B (to M) Phase. Larger the darker.} \\
\hline \multirow[b]{2}{*}{036} & BM Phase: B & *ENG & [-256 to 255 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Adjusts Value ( -256 to +255 ) for copy output color (Y ingredient) corresponding B (to M) Phase. Larger the darker.} \\
\hline \multirow[t]{2}{*}{037} & MB Phase: Option & *ENG & \[
\begin{aligned}
& \text { [0 to } 255 \text { / } 0 \text { / 1/step] } \\
& \text { 0:OFF } \\
& \text { 1:ON }
\end{aligned}
\] \\
\hline & \multicolumn{3}{|l|}{Sets ON/OFF (0: OFF, 1: ON) for copy output color adjust (each corresponding picture quality mode) of \(M\) (to \(B\) ) Phase.} \\
\hline \multirow[b]{2}{*}{038} & MB Phase: R & *ENG & [-256 to 255 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Adjusts Value ( -256 to +255 ) for copy output color (C ingredient) corresponding M (to B) Phase. Larger the darker.} \\
\hline \multirow[b]{2}{*}{039} & MB Phase: G & *ENG & [-256 to 255 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Adjusts Value (-256 to +255 ) for copy output color (M ingredient) corresponding M (to B) Phase. Larger the darker.} \\
\hline \multirow[b]{2}{*}{040} & MB Phase: B & *ENG & [-256 to 255 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Adjusts Value (-256 to +255 ) for copy output color ( Y ingredient) corresponding M (to B) Phase. Larger the darker.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[t]{2}{*}{041} & MR Phase: Option & *ENG & [ 0 to 255 / 0 / 1/step]
0:OFF
1:ON \\
\hline & \multicolumn{3}{|l|}{Sets ON/OFF (0: OFF, 1: ON) for copy output color adjust (each corresponding picture quality mode) of \(M\) (to \(R\) ) Phase.} \\
\hline \multirow[b]{2}{*}{042} & MR Phase: R & *ENG & [-256 to 255 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Adjusts Value (-256 to +255) for copy output color (C ingredient) corresponding M (to R) Phase. Larger the darker.} \\
\hline \multirow[b]{2}{*}{043} & MR Phase: G & *ENG & [-256 to 255 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Adjusts Value (-256 to +255) for copy output color (M ingredient) corresponding M (to R) Phase. Larger the darker.} \\
\hline \multirow[b]{2}{*}{044} & MR Phase: B & *ENG & [-256 to 255 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Adjusts Value (-256 to +255 ) for copy output color (Y ingredient) corresponding M (to R) Phase. Larger the darker.} \\
\hline \multirow[t]{2}{*}{045} & RM Phase: Option & *ENG & \begin{tabular}{l}
[ 0 to 255 / 0 / 1/step] \\
0:OFF \\
1:ON
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Sets ON/OFF (0: OFF, 1: ON) for copy output color adjust (each corresponding picture quality mode) of \(R\) (to \(M\) ) Phase.} \\
\hline \multirow[b]{2}{*}{046} & RM Phase: R & *ENG & [-256 to 255 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Adjusts Value (-256 to +255 ) for copy output color (C ingredient) corresponding \(R\) (to M) Phase. Larger the darker.} \\
\hline \multirow[b]{2}{*}{047} & RM Phase: G & *ENG & [-256 to 255 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Adjusts Value (-256 to +255) for copy output color (M ingredient) corresponding \(R\) (to M) Phase. Larger the darker.} \\
\hline \multirow[b]{2}{*}{048} & RM Phase: B & *ENG & [-256 to 255 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Adjusts Value (-256 to +255 ) for copy output color (Y ingredient) corresponding \(R\) (to M) Phase. Larger the darker.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[t]{2}{*}{049} & WHITE: Option & *ENG & \begin{tabular}{l}
[0 to 255/0/1/step] \\
0:OFF \\
1:ON
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Sets ON/OFF (0: OFF, 1: ON) for copy output color adjust (each corresponding picture quality mode) of highlight area.} \\
\hline \multirow[b]{2}{*}{050} & WHITE:R & *ENG & [-256 to 255 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Adjusts Value (-256 to +255 ) for copy output color (C ingredient) corresponding highlight area. Larger the darker.} \\
\hline \multirow[b]{2}{*}{051} & WHITE:G & *ENG & [-256 to 255 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Adjusts Value ( -256 to +255 ) for copy output color (M ingredient) corresponding highlight area. Larger the darker.} \\
\hline \multirow[b]{2}{*}{052} & WHITE:B & *ENG & [-256 to 255 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Adjusts Value ( -256 to +255 ) for copy output color (Y ingredient) corresponding highlight area. Larger the darker.} \\
\hline \multirow[t]{2}{*}{053} & BLACK: Option & *ENG & \[
\begin{aligned}
& {[0 \text { to } 255 / 0 / 1 / \text { step }]} \\
& 0 \text { 0:OFF } \\
& \text { 1:ON }
\end{aligned}
\] \\
\hline & \multicolumn{3}{|l|}{Sets ON/OFF (0: OFF, 1: ON) for copy output color adjust (each corresponding picture quality mode) of shadow area.} \\
\hline \multirow[b]{2}{*}{054} & BLACK:R & *ENG & [-256 to 255 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Adjusts Value ( -256 to +255 ) for copy output color (C ingredient) corresponding shadow area. Larger the darker.} \\
\hline \multirow[b]{2}{*}{055} & BLACK:G & *ENG & [-256 to 255 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Adjusts Value ( -256 to +255 ) for copy output color (M ingredient) corresponding shadow area. Larger the darker.} \\
\hline \multirow[b]{2}{*}{056} & BLACK:B & *ENG & [-256 to 255 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Adjusts Value (-256 to +255 ) for copy output color (Y ingredient) corresponding shadow area. Larger the darker.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 4550 & \multicolumn{3}{|l|}{[Scan Apli:Txt/Print]} \\
\hline \multirow{2}{*}{005} & \begin{tabular}{l}
MTF: O(Off) 1-15 \\
(Weak-Strong)
\end{tabular} & *ENG & [0 to 15 / 8 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets emphasis level for Scan Apli: Text/Chart mode. 0 is for OFF, Larger the value, Stronger the emphasis.} \\
\hline \multirow{2}{*}{006} & \begin{tabular}{l}
Smoothing: 0 (x1) 1-7 \\
(Weak-Strong)
\end{tabular} & *ENG & [0 to 7 / 4 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets Smoothing level for Scan Apli: Text/ Chart mode. 0 is for OFF, Larger the value, the Smoother.} \\
\hline \multirow[b]{2}{*}{007} & Brightness: 1-255 & *ENG & [1 to 255 / 128 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets Brightness level (1 to 255) for Scan Apli: Text/ Chart mode. 128 is for No Correction, Larger the value, the Brighter.} \\
\hline \multirow[b]{2}{*}{008} & Contrast: 1-255 & *ENG & [1 to \(255 / 128\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets Contrast level (1 to 255) for Scan Apli: Text/ Chart mode. 128 is for No Correction, Larger the value, Stronger the Contrast.} \\
\hline \multirow{2}{*}{009} & Ind Dot Erase: 0(Off) 1-7 (Weak-Strong) & *ENG & [0 to 7 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets Independent Dot Erase level for Scan Apli: Text/ Chart mode. 0 is for OFF, Larger the value, Stronger the Erase.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 4551 & \multicolumn{3}{|l|}{[Scan Apli:Txt]} \\
\hline \multirow{2}{*}{005} & \begin{tabular}{l}
MTF: O(Off) 1-15 \\
(Weak-Strong)
\end{tabular} & *ENG & [0 to 15 / 8 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets emphasis level for Scan Apli: Text mode. 0 is for OFF, Larger the value, Stronger the emphasis.} \\
\hline \multirow{2}{*}{006} & \begin{tabular}{l}
Smoothing: 0(x1) 1-7 \\
(Weak-Strong)
\end{tabular} & *ENG & [0 to 7 / 4 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets Smoothing level for Scan Apli: Text mode. 0 is for OFF, Larger the value, the Smoother.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{007} & Brightness: 1-255 & *ENG & [1 to 255 / 128 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets Brightness level (1 to 255) for Scan Apli: Text mode. 128 is for No Correction, Larger the value, the Brighter.} \\
\hline \multirow[b]{2}{*}{008} & Contrast: 1-255 & *ENG & [1 to 255 / 128 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets Contrast level (1 to 255) for Scan Apli: Text mode. 128 is for No Correction, Larger the value, Stronger the Contrast.} \\
\hline \multirow{2}{*}{009} & \begin{tabular}{l}
Ind Dot Erase: 0(Off) 1-7 \\
(Weak-Strong)
\end{tabular} & *ENG & [0 to 7 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets Independent Dot Erase level for Scan Apli: Text mode. 0 is for OFF, Larger the value, Stronger the Erase.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 4552 & \multicolumn{3}{|l|}{[Scan Apli:Txt Dropout]} \\
\hline \multirow{2}{*}{005} & \begin{tabular}{l}
MTF: O(Off) 1-15 \\
(Weak-Strong)
\end{tabular} & *ENG & [0 to 15 / 8 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets emphasis level for Scan Apli: Text (Drop Out Color) mode. 0 is for OFF, Larger the value, Stronger the emphasis.} \\
\hline \multirow{2}{*}{006} & \begin{tabular}{l}
Smoothing: 0(x1) 1-7 \\
(Weak-Strong)
\end{tabular} & *ENG & [0 to 7 / 4 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets Smoothing level for Scan Apli: Text (Drop Out Color) mode. 0 is for OFF, Larger the value, the Smoother.} \\
\hline \multirow[b]{2}{*}{007} & Brightness: 1-255 & *ENG & [1 to 255 / 128 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets Brightness level (1 to 255) for Scan Apli: Text (Drop Out Color) mode. 128 is for No Correction, Larger the value, the Brighter.} \\
\hline \multirow[b]{2}{*}{008} & Contrast: 1-255 & *ENG & [1 to 255 / 128 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets Contrast level (1 to 255) for Scan Apli: Text (Drop Out Color) mode. 128 is for No Correction, Larger the value, Stronger the Contrast.} \\
\hline \multirow{2}{*}{009} & \begin{tabular}{l}
Ind Dot Erase: 0(Off) 1-7 \\
(Weak-Strong)
\end{tabular} & *ENG & [0 to 7 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets Independent Dot Erase level for Scan Apli: Text (Drop Out Color) mode. 0 is for OFF, Larger the value, Stronger the Erase.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 4553 & \multicolumn{3}{|l|}{[Scan Apli:Txt/Photo]} \\
\hline \multirow{2}{*}{005} & \begin{tabular}{l}
MTF: O(Off) 1-15 \\
(Weak-Strong)
\end{tabular} & *ENG & [0 to 15 / 8 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets emphasis level for Scan Apli: Text/Photo mode. 0 is for OFF, Larger the value, Stronger the emphasis.} \\
\hline \multirow{2}{*}{006} & \begin{tabular}{l}
Smoothing: 0(x1) 1-7 \\
(Weak-Strong)
\end{tabular} & *ENG & [0 to 7 / 4 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets Smoothing level for Scan Apli: Text/Photo mode. 0 is for OFF, Larger the value, the Smoother.} \\
\hline \multirow[b]{2}{*}{007} & Brightness: 1-255 & *ENG & [1 to \(255 / 128 / 1 /\) step] \\
\hline & \multicolumn{3}{|l|}{Sets Brightness level (1 to 255) for Scan Apli: Text/Photo mode. 128 is for No Correction, Larger the value, the Brighter.} \\
\hline \multirow[b]{2}{*}{008} & Contrast: 1-255 & *ENG & [1 to \(255 / 128 / 1 /\) step] \\
\hline & \multicolumn{3}{|l|}{Sets Contrast level (1 to 255) for Scan Apli: Text/Photo mode. 128 is for No Correction, Larger the value, Stronger the Contrast.} \\
\hline \multirow{2}{*}{009} & Ind Dot Erase: 0(Off) 1-7 (Weak-Strong) & *ENG & [0 to 7 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets Independent Dot Erase level for Scan Apli: Text/Photo mode. 0 is for OFF Larger the value, Stronger the Erase.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 4554 & \multicolumn{3}{|l|}{[Scan Apli:Photo]} \\
\hline \multirow{2}{*}{005} & \begin{tabular}{l}
MTF: 0(Off) 1-15 \\
(Weak-Strong)
\end{tabular} & *ENG & [0 to 15 / 8 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets emphasis level for Scan Apli: Photo mode. 0 is for OFF, Larger the value, Stronger the emphasis.} \\
\hline \multirow{2}{*}{006} & \begin{tabular}{l}
Smoothing: 0 (x1) 1-7 \\
(Weak-Strong)
\end{tabular} & *ENG & [0 to 7 / 4 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets Smoothing level for Scan Apli: Photo mode. 0 is for OFF, Larger the value, the Smoother.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{007} & Brightness: 1-255 & *ENG & [1 to 255 / 128/1/step] \\
\hline & \multicolumn{3}{|l|}{Sets Brightness level (1 to 255) for Scan Apli: Photo mode. 128 is for No Correction, Larger the value, the Brighter.} \\
\hline \multirow[b]{2}{*}{008} & Contrast: 1-255 & *ENG & [1 to 255 / 128/1/step] \\
\hline & \multicolumn{3}{|l|}{Sets Contrast level (1 to 255) for Scan Apli: Photo mode. 128 is for No Correction, Larger the value, Stronger the Contrast.} \\
\hline \multirow{2}{*}{009} & Ind Dot Erase: 0(Off) 1-7 (Weak-Strong) & *ENG & [0 to 7 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets Independent Dot Erase level for Scan Apli: Photo mode. 0 is for OFF, Larger the value, Stronger the Erase.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 4565 & \multicolumn{3}{|l|}{[Scan Apli:GrayScale]} \\
\hline \multirow{2}{*}{005} & \begin{tabular}{l}
MTF: 0(Off) 1-15 \\
(Weak-Strong)
\end{tabular} & *ENG & [0 to 15 / 8 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets emphasis level for Scan Apli: GrayScale mode. 0 is for OFF, Larger the value, Stronger the emphasis.} \\
\hline \multirow{2}{*}{006} & \begin{tabular}{l}
Smoothing: 0(x1) 1-7 \\
(Weak-Strong)
\end{tabular} & *ENG & [0 to 7 / 4 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets Smoothing level for Scan Apli: GrayScale mode. 0 is for OFF, Larger the value, the Smoother.} \\
\hline \multirow[b]{2}{*}{007} & Brightness: 1-255 & *ENG & [1 to 255 / 128 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets Brightness level (1 to 255) for Scan Apli: GrayScale mode. 128 is for No Correction, Larger the value, the Brighter.} \\
\hline \multirow[b]{2}{*}{008} & Contrast: 1-255 & *ENG & [1 to 255 / 128 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets Contrast level (1 to 255) for Scan Apli: GrayScale mode. 128 is for No Correction, Larger the value, Stronger the Contrast.} \\
\hline \multirow{2}{*}{009} & \begin{tabular}{l}
Ind Dot Erase: O(Off) 1-7 \\
(Weak-Strong)
\end{tabular} & *ENG & [0 to 7 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets Independent Dot Erase level for Scan Apli: GrayScale mode. 0 is for OFF Larger the value, Stronger the Erase.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 4570 & \multicolumn{3}{|l|}{[Scan Apli:Col Txt/Photo]} \\
\hline \multirow{2}{*}{005} & MTF: O(Off) 1-15 (Weak-Strong) & *ENG & [0 to 15 / 8 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets emphasis level for Scan Apli: Color Text/Photo mode. 0 is for OFF, Larger the value, Stronger the emphasis.} \\
\hline \multirow{2}{*}{006} & \begin{tabular}{l}
Smoothing: 0 (x1) 1-7 \\
(Weak-Strong)
\end{tabular} & *ENG & [0 to 7 / 4 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets Smoothing level for Scan Apli: Color Text/Photo mode. 0 is for OFF, Larger the value, the Smoother.} \\
\hline \multirow[b]{2}{*}{007} & Brightness: 1-255 & *ENG & [1 to \(255 / 128 / 1 /\) step ] \\
\hline & \multicolumn{3}{|l|}{Sets Brightness level (1 to 255) for Scan Apli: Color Text/Photo mode. 128 is for No Correction, Larger the value, the Brighter.} \\
\hline \multirow[b]{2}{*}{008} & Contrast: 1-255 & *ENG & [1 to \(255 / 128 / 1 /\) step ] \\
\hline & \multicolumn{3}{|l|}{Sets Contrast level (1 to 255) for Scan Apli: Color Text/Photo mode. 128 is for No Correction, Larger the value, Stronger the Contrast.} \\
\hline \multirow{2}{*}{009} & \begin{tabular}{l}
Ind Dot Erase: 0(Off) 1-7 \\
(Weak-Strong)
\end{tabular} & *ENG & [0 to 7 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets Independent Dot Erase level for Scan Apli: Color Text/Photo mode. 0 is for OFF, Larger the value, Stronger the Erase.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 4571 & \multicolumn{3}{|l|}{[Scan Apli:Col Gloss Photo]} \\
\hline & \begin{tabular}{l}
MTF: 0(Off) 1-15 \\
(Weak-Strong)
\end{tabular} & *ENG & [0 to 15 / 8 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets emphasis level for Scan Apli: Color Gloss Photo mode. 0 is for OFF, Larger the value, Stronger the emphasis.} \\
\hline \multirow{2}{*}{006} & \begin{tabular}{l}
Smoothing: \(0(x 1)\) 1-7 \\
(Weak-Strong)
\end{tabular} & *ENG & [0 to 7 / 4 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets Smoothing level for Scan Apli: Color Gloss Photo mode. 0 is for OFF, Larger the value, the Smoother.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{007} & Brightness: 1-255 & *ENG & [1 to 255 / 128 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets Brightness level (1 to 255) for Scan Apli: Color Gloss Photo mode. 128 is for No Correction, Larger the value, the Brighter.} \\
\hline \multirow[b]{2}{*}{008} & Contrast: 1-255 & *ENG & [1 to 255 / 128 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets Contrast level (1 to 255) for Scan Apli: Color Gloss Photo mode. 128 is for No Correction, Larger the value, Stronger the Contrast.} \\
\hline \multirow{2}{*}{009} & Ind Dot Erase: 0(Off) 1-7 (Weak-Strong) & *ENG & [0 to 7 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets Independent Dot Erase level for Scan Apli: Color Gloss Photo mode. 0 is for OFF, Larger the value, Stronger the Erase.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 4572 & \multicolumn{3}{|l|}{[Scan Apli:AutoCol]} \\
\hline \multirow{2}{*}{005} & \begin{tabular}{l}
MTF: 0(Off) 1-15 \\
(Weak-Strong)
\end{tabular} & *ENG & [0 to 15 / 8 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets emphasis level for Scan Apli: Auto Color mode. 0 is for OFF, Larger the value, Stronger the emphasis.} \\
\hline \multirow{2}{*}{006} & Smoothing: 0(x1) 1-7 (Weak-Strong) & *ENG & [0 to 7 / 4 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets Smoothing level for Scan Apli: Auto Color mode. 0 is for OFF, Larger the value, the Smoother.} \\
\hline \multirow[b]{2}{*}{007} & Brightness: 1-255 & *ENG & [1 to 255 / 128 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets Brightness level (1 to 255) for Scan Apli: Auto Color mode. 128 is for No Correction, Larger the value, the Brighter.} \\
\hline \multirow[b]{2}{*}{008} & Contrast: 1-255 & *ENG & [1 to 255 / 128 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets Contrast level (1 to 255) for Scan Apli: Auto Color mode. 128 is for No Correction, Larger the value, Stronger the Contrast.} \\
\hline \multirow{2}{*}{009} & Ind Dot Erase: 0(Off) 1-7 (Weak-Strong) & *ENG & [0 to 7 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets Independent Dot Erase level for Scan Apli: Auto Color mode. 0 is for OFF Larger the value, Stronger the Erase.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 4580 & \multicolumn{3}{|l|}{[Fax Apli:Txt/Chart]} \\
\hline \multirow{2}{*}{005} & \begin{tabular}{l}
MTF: O(Off) 1-15 \\
(Weak-Strong)
\end{tabular} & *ENG & [0 to 15 / 8 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets emphasis level for FAX Apli: Text/Chart mode. 0 is for OFF, Larger the value, Stronger the emphasis.} \\
\hline \multirow{2}{*}{006} & \begin{tabular}{l}
Smoothing: 0 (x1) 1-7 \\
(Weak-Strong)
\end{tabular} & *ENG & [0 to 7 / 4 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets Smoothing level for FAX Apli: Text/Chart mode. 0 is for OFF, Larger the value, the Smoother.} \\
\hline \multirow[b]{2}{*}{007} & Brightness: 1-255 & *ENG & [1 to \(255 / 128 / 1 /\) step] \\
\hline & \multicolumn{3}{|l|}{Sets Brightness level (1 to 255) for FAX Apli: Text/Chart mode. 128 is for No Correction, Larger the value, the Brighter.} \\
\hline \multirow[b]{2}{*}{008} & Contrast: 1-255 & *ENG & [1 to \(255 / 128 / 1 /\) step \(]\) \\
\hline & \multicolumn{3}{|l|}{Sets Contrast level (1 to 255) for FAX Apli: Text/Chart mode. 128 is for No Correction, Larger the value, Stronger the Contrast.} \\
\hline \multirow{2}{*}{009} & \begin{tabular}{l}
Ind Dot Erase: 0(Off) 1-7 \\
(Weak-Strong)
\end{tabular} & *ENG & [0 to 7 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets Independent Dot Erase level for FAX Apli: Text/Chart mode. 0 is for OFF, Larger the value, Stronger the Erase.} \\
\hline \multirow[b]{2}{*}{010} & Texture Erase: 0 & *ENG & [0 to \(2 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets Texture Erase for FAX Apli: Text/Chart mode. 0: Fixed Threshold, 1: Variable Threshold, 2: Variable Threshold (Threshold type used for 1 and 2 are different)} \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|l|}
\hline 4581 & \multicolumn{3}{|l|}{ [Fax Apli:Txt] } \\
\hline & \(\begin{array}{l}\text { MTF: 0(Off) 1-15 } \\
\text { (Weak-Strong) }\end{array}\) & *ENG & [0 to 15 / 8 / 1/step]
\end{tabular}\(]\)\begin{tabular}{l} 
Sets emphasis level for FAX Apli: Text mode. 0 is for OFF, Larger the value, \\
Stronger the emphasis.
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{006} & \begin{tabular}{l}
Smoothing: 0(x1) 1-7 \\
(Weak-Strong)
\end{tabular} & *ENG & [0 to 7 / 4 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets Smoothing level for FAX Apli: Text mode. 0 is for OFF, Larger the value, the Smoother.} \\
\hline \multirow[b]{2}{*}{007} & Brightness: 1-255 & *ENG & [1 to 255 / 128/1/step] \\
\hline & \multicolumn{3}{|l|}{Sets Brightness level (1 to 255) for FAX Apli: Text mode. 128 is for No Correction, Larger the value, the Brighter.} \\
\hline \multirow[b]{2}{*}{008} & Contrast: 1-255 & *ENG & [1 to 255 / 128 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets Contrast level (1 to 255) for FAX Apli: Text mode. 128 is for No Correction, Larger the value, Stronger the Contrast.} \\
\hline \multirow{2}{*}{009} & Ind Dot Erase: 0(Off) 1-7 (Weak-Strong) & *ENG & [0 to 7 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets Independent Dot Erase level for FAX Apli: Text mode. 0 is for OFF, Larger the value, Stronger the Erase.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 4582 & \multicolumn{3}{|l|}{[Fax Apli:Txt/Photo]} \\
\hline \multirow{2}{*}{005} & MTF: 0(Off) 1-15 (Weak-Strong) & *ENG & [0 to 15 / 8 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets emphasis level for FAX Apli: Text/Photo mode. 0 is for OFF, Larger the value, Stronger the emphasis.} \\
\hline \multirow{2}{*}{006} & \begin{tabular}{l}
Smoothing: 0(x1) 1-7 \\
(Weak-Strong)
\end{tabular} & *ENG & [0 to 7 / 4 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets Smoothing level for FAX Apli: Text/Photo mode. 0 is for OFF, Larger the value, the Smoother.} \\
\hline \multirow[b]{2}{*}{007} & Brightness: 1-255 & *ENG & [1 to 255 / 128 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets Brightness level (1 to 255) for FAX Apli: Text/Photo mode. 128 is for No Correction, Larger the value, the Brighter.} \\
\hline \multirow[b]{2}{*}{008} & Contrast: 1-255 & *ENG & [1 to 255 / 128 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets Contrast level (1 to 255) for FAX Apli: Text/Photo mode. 128 is for No Correction, Larger the value, Stronger the Contrast.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{009} & \begin{tabular}{l}
Ind Dot Erase: 0(Off) 1-7 \\
(Weak-Strong)
\end{tabular} & *ENG & [0 to 7 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets Independent Dot Erase level for FAX Apli: Text/Photo mode. 0 is for OFF, Larger the value, Stronger the Erase.} \\
\hline \multirow[b]{2}{*}{010} & Texture Erase: 0 & *ENG & [0 to 2 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets Texture Erase for FAX Apli: Text/Photo mode. 0: Fixed Threshold, 1: Variable Threshold, 2: Variable Threshold (Threshold type used for 1 and 2 are different)} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 4583 & \multicolumn{3}{|l|}{[ \(F\) ax Apli:Photo]} \\
\hline \multirow{2}{*}{005} & \begin{tabular}{l}
MTF: 0(Off) 1-15 \\
(Weak-Strong)
\end{tabular} & *ENG & [0 to 15 / 8 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets emphasis level for FAX Apli: Photo mode. 0 is for OFF, Larger the value, Stronger the emphasis.} \\
\hline \multirow{2}{*}{006} & \begin{tabular}{l}
Smoothing: 0(x1) 1-7 \\
(Weak-Strong)
\end{tabular} & *ENG & [0 to 7 / 4 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets Smoothing level for FAX Apli: Photo mode. 0 is for OFF, Larger the value the Smoother.} \\
\hline \multirow[b]{2}{*}{007} & Brightness: 1-255 & *ENG & [1 to 255 / 128 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets Brightness level (1 to 255) for FAX Apli: Photo mode. 128 is for No Correction, Larger the value, the Brighter.} \\
\hline \multirow[b]{2}{*}{008} & Contrast: 1-255 & *ENG & [1 to \(255 / 128\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets Contrast level (1 to 255) for FAX Apli: Photo mode. 128 is for No Correction, Larger the value, Stronger the Contrast.} \\
\hline \multirow{2}{*}{009} & \begin{tabular}{l}
Ind Dot Erase: 0(Off) 1-7 \\
(Weak-Strong)
\end{tabular} & *ENG & [0 to 7 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets Independent Dot Erase level for FAX Apli: Photo mode. 0 is for OFF, Larger the value, Stronger the Erase.} \\
\hline
\end{tabular}
\begin{tabular}{|l|l|c|l|}
\hline \multirow{3}{*}{010} & Texture Erase: 0 & *ENG & {\([0\) to \(2 / 0 / 1 /\) step \(]\)} \\
\cline { 2 - 4 } & \begin{tabular}{l} 
Sets Texture Erase for FAX Apli: Photo mode. 0: Fixed Threshold, 1: Variable \\
Threshold, 2: Variable Threshold (Threshold type used for 1 and 2 are different)
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 4584 & \multicolumn{3}{|l|}{[Fax Apli:Original 1]} \\
\hline \multirow{2}{*}{005} & \begin{tabular}{l}
MTF: O(Off) 1-15 \\
(Weak-Strong)
\end{tabular} & *ENG & [0 to 15 / 8 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets emphasis level for FAX Apli: Special Original 1 mode. 0 is for OFF, Larger the value, Stronger the emphasis.} \\
\hline \multirow{2}{*}{006} & \begin{tabular}{l}
Smoothing: 0(x1) 1-7 \\
(Weak-Strong)
\end{tabular} & *ENG & [0 to 7 / 4 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets Smoothing level for FAX Apli: Special Original 1 mode. 0 is for OFF, Larger the value, the Smoother.} \\
\hline \multirow[b]{2}{*}{007} & Brightness: 1-255 & *ENG & [1 to \(255 / 128\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets Brightness level (1 to 255) for FAX Apli: Special Original 1 mode. 128 is for No Correction, Larger the value, the Brighter.} \\
\hline \multirow[b]{2}{*}{008} & Contrast: 1-255 & *ENG & [1 to 255 / 128 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets Contrast level (1 to 255) for FAX Apli: Special Original 1 mode. 128 is for No Correction, Larger the value, Stronger the Contrast.} \\
\hline \multirow{2}{*}{009} & Ind Dot Erase: 0(Off) 1-7 (Weak-Strong) & *ENG & [0 to 7 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets Independent Dot Erase level for FAX Apli: Special Original 1 mode. 0 is for OFF, Larger the value, Stronger the Erase.} \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|l|}
\hline 4585 & \multicolumn{3}{|l|}{\begin{tabular}{rl} 
[Fax Apli:Original 2] \\
\hline 005 & \begin{tabular}{l} 
MTF: 0(Off) 1-15 \\
(Weak-Strong)
\end{tabular} \\
\cline { 2 - 4 } & \begin{tabular}{l} 
Sets emphasis level for FAX Apli: Special Original 2 mode. 0 is for OFF, Larger \\
the value, Stronger the emphasis.
\end{tabular} \\
\hline
\end{tabular}} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{006} & \begin{tabular}{l}
Smoothing: 0(x1) 1-7 \\
(Weak-Strong)
\end{tabular} & *ENG & [0 to 7 / 4 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets Smoothing level for FAX Apli: Special Original 2 mode. 0 is for OFF, Larger the value, the Smoother.} \\
\hline \multirow[b]{2}{*}{007} & Brightness: 1-255 & *ENG & [1 to \(255 / 128 / 1 /\) step] \\
\hline & \multicolumn{3}{|l|}{Sets Brightness level (1 to 255) for FAX Apli: Special Original 2 mode. 128 is for No Correction, Larger the value, the Brighter.} \\
\hline \multirow[b]{2}{*}{008} & Contrast: 1-255 & *ENG & [1 to 255 / 128 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets Contrast level (1 to 255) for FAX Apli: Special Original 2 mode. 128 is for No Correction, Larger the value, Stronger the Contrast.} \\
\hline \multirow{2}{*}{009} & \begin{tabular}{l}
Independent Dot Erase (0)/ \\
1-7 (Strong)
\end{tabular} & *ENG & [0 to 7 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets Independent Dot Erase level for FAX Apli: Special Original 2 mode. 0 is for OFF, Larger the value, Stronger the Erase.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 4600 & \multicolumn{3}{|l|}{[SBU Version Display]} \\
\hline \multirow[b]{2}{*}{001} & SBU ID & ENG & [0x00 to 0xFF / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{In case of SBU's ID is irregular due to SBU malfunction, or wrong part is set, sets a cause flag to SP 4-647-001 and makes SC 144-00.} \\
\hline \multirow[b]{2}{*}{002} & SCAT ID & ENG & [0x00 to 0xFF / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Displays ID of SBU (SCAT). \\
In case of SBU's ID is irregular due to SBU malfunction, or wrong part is set, sets a cause flag to SP 4-647-001 and makes SC 144-00.
\end{tabular}} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|c|l|}
\hline \multirow{3}{*}{4602} & \multicolumn{3}{|l|}{ [Scanner Memory Access] } \\
\cline { 2 - 4 } & \begin{tabular}{l} 
Read/Writes register of ASIC: GASBU mount to SBU. \\
Use for design evaluation/failure analysis.
\end{tabular} \\
\hline 001 & - & ENG & \begin{tabular}{l}
{\([0 \times 000000\) to 0xFFFFFFF / } \\
\(0 \times 000000 /-]\)
\end{tabular} \\
\hline 002 & Scanner Memory Access & ENG & {\([0 \times 0\) to 0x000000FFF / 0x000000 /-] } \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|l|}
\hline 003 & Data Set & ENG & - \\
\hline
\end{tabular}
\begin{tabular}{|c|l|c|l|}
\hline \multirow{3}{*}{4603} & \multicolumn{3}{|l|}{ [Auto Adjustment Operation] } \\
\cline { 2 - 4 } & \begin{tabular}{l} 
Runs SBU adjustment (light quantity adjust, SSCG correct, checking back level, \\
adjusting white level) normally done when scanner powers on from SP. \\
Use for process adjust/design evaluation/error analyze.
\end{tabular} \\
\hline 001 & HP Detection Enable & ENG & {\([0\) or \(1 / 0 / 1 /\) step] } \\
\hline 002 & HP Detection Disable & ENG & {\([0\) or \(1 / 0 / 1 /\) step] } \\
\hline
\end{tabular}
\begin{tabular}{|c|c|}
\hline 4604 & [FGATE Open/Close] \\
\hline \multirow{2}{*}{001} & ENG \begin{tabular}{l|l}
{\([0\) or \(1 / 0 / 1 /\) step \(]\)} \\
\(0:\) OFF \\
\(1:\) ON
\end{tabular} \\
\hline & \begin{tabular}{l}
Used for to forcedly open/close FGATE to input scanner image data when doing scanner optical adjustment during the process. \\
Use for process adjust/design evaluation/error analyze.
\end{tabular} \\
\hline
\end{tabular}

\begin{tabular}{|c|c|c|c|}
\hline 4610 & \multicolumn{3}{|l|}{[Gray Balance Set: G]} \\
\hline & Book Scan & *ENG & [-384 to 255 / -100 / 1digit/step] \\
\hline 001 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Displays/Saves gray balance adjustment value (GREEN) of scanners face side (Book). \\
Adjusted value during the scanner unit Warranty process is saved.
\end{tabular}} \\
\hline & DF Scan & *ENG & [-384 to 255 / -100 / 1digit/step] \\
\hline 002 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Displays/Saves gray balance adjustment value (GREEN) of scanners face side (ADF). \\
Adjusted value during the scanner unit Warranty process is saved. \\
Note \\
- Gray balance adjustment value of DF scan can be corrected with SP4-688-001/002: DF density adjust. (temperature difference correction of Book scan and DF face side scan)
\end{tabular}} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|}
\hline 4611 & [Gray Balance Set: B] \\
\hline \multirow[b]{2}{*}{001} & Book Scan \(\quad\) *ENG \begin{tabular}{l|l|}
{\([-384\)} & to \(\mathbf{2 5 5 / - 1 0 0} / 1\) digit/step]
\end{tabular} \\
\hline & \begin{tabular}{l}
Displays/Saves gray balance adjustment value (BLUE) of scanners face side (Book). \\
Adjusted value during the scanner unit Warranty process is saved.
\end{tabular} \\
\hline \multirow[b]{2}{*}{002} & \begin{tabular}{l|l|l} 
DF Scan & *ENG & {\([-384\) to \(255 / \mathbf{- 1 0 0} / 1\) digit/step] }
\end{tabular} \\
\hline & \begin{tabular}{l}
Displays/Saves gray balance adjustment value (BLUE) of scanners face side (ADF). \\
Adjusted value during the scanner unit Warranty process is saved. \\
Note \\
- Gray balance adjustment value of DF scan can be corrected with SP4-688-001/002: DF density adjust. (temperature difference correction of Book scan and DF face side scan)
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 4635 & \multicolumn{3}{|l|}{[SSCG Correction Set]} \\
\hline \multirow{2}{*}{001} & Mode Selection & *ENG & \begin{tabular}{l}
[0 to 3 / 1 / 1/step] \\
0: Do not noise correct SSCG. \\
1: Only adjust analog (initial value) \\
2: Only adjust digital \\
3: Adjust both analog/digital
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Selects SSCG noise correction mode. \\
Use when setting SSCG adjust OFF as a temporally proceed when SSCG does not work correctly due to an unexpected malfunction. \\
Temporally use if by changing settings improves wide stripes, side stripes caused by scanner when SSCG correction does not work correctly.
\end{tabular}} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 4637 & \multicolumn{3}{|l|}{[SSCG Correction Value (Ana.)]} \\
\hline \multirow[b]{2}{*}{001} & Latest:RE & ENG & [-31 to 31 / 0 / 1digit/step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Displays SSCG analog correction value (F Side/RED/EVEN pixel). \\
Adjustment will be done when scanner turns on. \\
Use for design evaluation, analyzing malfunction (abnormal images).
\end{tabular}} \\
\hline \multirow[b]{2}{*}{002} & Latest:RO & ENG & [-31 to 31 / 0 / 1digit/step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Displays SSCG analog correction value (F Side/RED/ODD pixel). \\
Adjustment will be done when scanner turns on. \\
Use for design evaluation, analyzing malfunction (abnormal images).
\end{tabular}} \\
\hline \multirow[b]{2}{*}{003} & Latest:GE & ENG & [-31 to 31 / 0 / 1digit/step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Displays SSCG analog correction value (F Side/GREEN/EVEN pixel). \\
Adjustment will be done when scanner turns on. \\
Use for design evaluation, analyzing malfunction (abnormal images).
\end{tabular}} \\
\hline \multirow[b]{2}{*}{004} & Latest:GO & ENG & [-31 to 31 / 0 / 1digit/step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Displays SSCG analog correction value (F Side/GREEN/ODD pixel). \\
Adjustment will be done when scanner turns on. \\
Use for design evaluation, analyzing malfunction (abnormal images).
\end{tabular}} \\
\hline 005 & Latest:BE & ENG & [-31 to 31 / 0 / 1digit/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Displays SSCG analog correction value (F Side/BLUE/EVEN pixel). \\
Adjustment will be done when scanner turns on. \\
Use for design evaluation, analyzing malfunction (abnormal images).
\end{tabular}} \\
\hline \multirow[b]{2}{*}{006} & Latest:BO & ENG & [-31 to \(31 / 0\) / 1digit/step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Displays SSCG analog correction value (F Side/BLUE/ODD pixel). \\
Adjustment will be done when scanner turns on. \\
Use for design evaluation, analyzing malfunction (abnormal images).
\end{tabular}} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 4638 & \multicolumn{3}{|l|}{[SSCG Correction Value (Dig.)]} \\
\hline \multirow[b]{2}{*}{001} & Latest:RE & *ENG & [-255 to 255 / 0 / 1digit/step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Displays SSCG Digital correction value (F Side/RED/EVEN pixel). \\
Adjustment will be done when scanner turns on. \\
Use for design evaluation, analyzing malfunction (abnormal images).
\end{tabular}} \\
\hline \multirow[b]{2}{*}{002} & Latest:RO & *ENG & [-255 to 255 / 0 / 1digit/step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Displays SSCG Digital correction value (F Side/RED/ODD pixel). \\
Adjustment will be done when scanner turns on. \\
Use for design evaluation, analyzing malfunction (abnormal images).
\end{tabular}} \\
\hline \multirow[b]{2}{*}{003} & Latest:GE & *ENG & [-255 to 255 / 0 / 1digit/step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Displays SSCG Digital correction value (F Side/GREEN/EVEN pixel). \\
Adjustment will be done when scanner turns on. \\
Use for design evaluation, analyzing malfunction (abnormal images).
\end{tabular}} \\
\hline \multirow[b]{2}{*}{004} & Latest:GO & *ENG & [-255 to 255 / 0 / 1digit/step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Displays SSCG Digital correction value (F Side/GREEN/ODD pixel). \\
Adjustment will be done when scanner turns on. \\
Use for design evaluation, analyzing malfunction (abnormal images).
\end{tabular}} \\
\hline \multirow[b]{2}{*}{005} & Latest:BE & *ENG & [-255 to 255 / 0 / 1digit/step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Displays SSCG Digital correction value (F Side/BLUE/EVEN pixel). \\
Adjustment will be done when scanner turns on. \\
Use for design evaluation, analyzing malfunction (abnormal images)
\end{tabular}} \\
\hline
\end{tabular}
\begin{tabular}{|c|l|c|l|}
\hline \multirow{3}{*}{006} & Latest:BO & *ENG & [-255 to 255 / 0 / 1digit/step] \\
\cline { 2 - 4 } & \begin{tabular}{l} 
Displays SSCG Digital correction value (F Side/BLUE/ODD pixel). \\
\begin{tabular}{l} 
Adjustment will be done when scanner turns on. \\
Use for design evaluation, analyzing malfunction (abnormal images).
\end{tabular} \\
\hline
\end{tabular}
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 4639 & \multicolumn{3}{|l|}{[SSCG Noise Cancel (Ana.)]} \\
\hline & Factory Setting:RE & *ENG & [-31 to \(31 / 0\) / 1digit/step] \\
\hline 001 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Display/Saves Factory SSCG Analog correction value (F Side/RED/EVEN pixel). \\
Adjusted SSCG correction Value during the main unit warranty process is saved. \\
Use for analyzing malfunction, comparing factory / current value.
\end{tabular}} \\
\hline & Factory Setting:RO & *ENG & [-31 to 31 / 0 / 1digit/step] \\
\hline 002 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Display/Saves Factory SSCG Analog correction value (F Side/RED/ODD pixel) Adjusted SSCG correction Value during the main unit warranty process is saved. \\
Use for analyzing malfunction, comparing factory / current value.
\end{tabular}} \\
\hline & Factory Setting:GE & *ENG & [-31 to \(31 / 0\) / 1digit/step] \\
\hline 003 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Display/Saves Factory SSCG Analog correction value (F Side/GREEN/EVEN pixel). \\
Adjusted SSCG correction Value during the main unit warranty process is saved. \\
Use for analyzing malfunction, comparing factory / current value.
\end{tabular}} \\
\hline \multirow[b]{2}{*}{004} & Factory Setting:GO & *ENG & [-31 to \(31 / 0\) / 1digit/step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Display/Saves Factory SSCG Analog correction value (F Side/GREEN/ODD pixel). \\
Adjusted SSCG correction Value during the main unit warranty process is saved. \\
Use for analyzing malfunction, comparing factory / current value.
\end{tabular}} \\
\hline 005 & Factory Setting:BE & *ENG & [-31 to \(31 / 0\) / 1digit/step] \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|l|}
\hline & \begin{tabular}{l} 
Display/Saves Factory SSCG Analog correction value (F Side/BLUE/EVEN \\
pixel). \\
Adjusted SSCG correction Value during the main unit warranty process is \\
saved. \\
Use for analyzing malfunction, comparing factory / current value.
\end{tabular} \\
\hline 006 & \begin{tabular}{l} 
Factory Setting:BO
\end{tabular} & \begin{tabular}{l} 
*ENG
\end{tabular} & [-31 to \(31 / 0\) / 1digit/step] \\
\hline & \begin{tabular}{l} 
Display/Saves Factory SSCG Analog correction value (F Side/BLUE/ODD \\
Adjusted SSCG correction Value during the main unit warranty process is \\
saved. \\
Use for analyzing malfunction, comparing factory / current value.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 4640 & \multicolumn{3}{|l|}{[SSCG Correction Value (Dig.)]} \\
\hline & Factory Setting:RE & ENG & [-255 to 255 / 0 / 1digit/step] \\
\hline 001 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Display/Saves Factory SSCG Digital correction value (F Side/RED/EVEN pixel) Adjusted SSCG correction Value during the main unit warranty process is saved. \\
Use for analyzing malfunction, comparing factory / current value.
\end{tabular}} \\
\hline & Factory Setting:RO & ENG & [-255 to 255 / 0 / 1digit/step] \\
\hline 002 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Display/Saves Factory SSCG Digital correction value (F Side/RED/ODD pixel). Adjusted SSCG correction Value during the main unit warranty process is saved. \\
Use for analyzing malfunction, comparing factory / current value.
\end{tabular}} \\
\hline & Factory Setting:GE & ENG & [-255 to 255 / 0 / 1digit/step] \\
\hline 003 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Display/Saves Factory SSCG Digital correction value (F Side/GREEN/EVEN pixel). \\
Adjusted SSCG correction Value during the main unit warranty process is saved. \\
Use for analyzing malfunction, comparing factory / current value.
\end{tabular}} \\
\hline 004 & Factory Setting:GO & ENG & [-255 to 255 / 0 / 1digit/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Display/Saves Factory SSCG Digital correction value (F Side/GREEN/ODD pixel). \\
Adjusted SSCG correction Value during the main unit warranty process is saved. \\
Use for analyzing malfunction, comparing factory / current value.
\end{tabular}} \\
\hline & Factory Setting:BE & ENG & [-255 to 255 / 0 / 1digit/step] \\
\hline 005 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Display/Saves Factory SSCG Digital correction value (F Side/BLUE/EVEN pixel). \\
Adjusted SSCG correction Value during the main unit warranty process is saved. \\
Use for analyzing malfunction, comparing factory / current value.
\end{tabular}} \\
\hline & Factory Setting:BO & ENG & [-255 to 255 / 0 / 1digit/step] \\
\hline 006 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Display/Saves Factory SSCG Digital correction value (F Side/BLUE/ODD pixel) Adjusted SSCG correction Value during the main unit warranty process is saved. \\
Use for analyzing malfunction, comparing factory / current value.
\end{tabular}} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|}
\hline 4641 & [SSCG Noise Amplitude] \\
\hline & ENG [0 to 1023 / 0 / 1digit/step] \\
\hline 001 & \begin{tabular}{l}
Displays SSCG Nose Amplitude (F Side/RED/EVEN pixel) when adjusting SSCG. \\
Correction value will be decided depending on detected Noise Amplitude when adjusting. \\
Adjustment will be done when scanner turns on. \\
Use for design evaluation, analyzing malfunction (abnormal images).
\end{tabular} \\
\hline & \begin{tabular}{l|l|l|l} 
RO & ENG & {\([0\) to \(1023 / 0\) / 1digit/step] }
\end{tabular} \\
\hline 002 & \begin{tabular}{l}
Displays SSCG Nose Amplitude (F Side/RED/ODD pixel) when adjusting SSCG. \\
Correction value will be decided depending on detected Noise Amplitude when adjusting. \\
Adjustment will be done when scanner turns on. \\
Use for design evaluation, analyzing malfunction (abnormal images).
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{003} & GE & ENG & [0 to 1023 / 0 / 1digit/step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Displays SSCG Nose Amplitude (F Side/GREEN/EVEN pixel) when adjusting SSCG. \\
Correction value will be decided depending on detected Noise Amplitude when adjusting. \\
Adjustment will be done when scanner turns on. \\
Use for design evaluation, analyzing malfunction (abnormal images).
\end{tabular}} \\
\hline & GO & ENG & [0 to 1023 / 0 / 1digit/step] \\
\hline 004 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Displays SSCG Nose Amplitude (F Side/GREEN/ODD pixel) when adjusting SSCG. \\
Correction value will be decided depending on detected Noise Amplitude when adjusting. \\
Adjustment will be done when scanner turns on. \\
Use for design evaluation, analyzing malfunction (abnormal images).
\end{tabular}} \\
\hline & BE & ENG & [0 to 1023 / 0 / 1digit/step] \\
\hline 005 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Displays SSCG Nose Amplitude (F Side/BLUE/EVEN pixel) when adjusting SSCG. \\
Correction value will be decided depending on detected Noise Amplitude when adjusting. \\
Adjustment will be done when scanner turns on. \\
Use for design evaluation, analyzing malfunction (abnormal images).
\end{tabular}} \\
\hline & BO & ENG & [0 to 1023 / 0 / 1digit/step] \\
\hline 006 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Displays SSCG Nose Amplitude (F Side/BLUE/ODD pixel) when adjusting SSCG. \\
Correction value will be decided depending on detected Noise Amplitude when adjusting. \\
Adjustment will be done when scanner turns on. \\
Use for design evaluation, analyzing malfunction (abnormal images).
\end{tabular}} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline \multirow{2}{*}{4646} & \multicolumn{2}{|l|}{[Scan Adjust Error]} \\
\hline & \multicolumn{2}{|l|}{Displays error value of scanning adjustment.} \\
\hline 001 & White level ENG & \begin{tabular}{l}
[0 to 65535 / 0 / 1/step] \\
Bit15:Unused \\
Bit14: Unused \\
Bit13:White level abnormal (F \\
side/RED/EVEN pixel) \\
Bit12: White level abnormal (F side \\
/RED/ODD pixel) \\
Bit11: White level abnormal (F side \\
/GREEN/EVEN pixel) \\
Bit10: White level abnormal (F side \\
/GREEN/ODD pixel) \\
Bit9: White level abnormal (F side \\
/BLUE/EVEN pixel) \\
Bit8:White level abnormal (F side \\
/BLUE/ODD pixel) \\
Bit7: Unused \\
Bit6: Unused \\
Bit5:gain abnormal (F side \\
/RED/EVEN pixel) \\
Bit4: gain abnormal (F side \\
/RED/ODD pixel) \\
Bit3: gain abnormal (F side \\
/GREEN/EVEN pixel) \\
Bit2: gain abnormal (F side \\
/GREEN/ODD pixel) \\
Bit1: gain abnormal (F side \\
/BLUE/EVEN pixel) \\
Bit0: gain abnormal (F side \\
/BLUE/ODD pixel)
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|}
\hline & \begin{tabular}{l}
Shows cause of error when an error occurs during the white level adjustment when scanner turns on. \\
When an error, SC142-00(F side/white level adjustment error)will be given.[format] binary \\
Scan adjust error (F side/White level) flag=
(b15,b14,b13,b12,b11,b10,b9,b8,b7,b6,b5,b4,b3,b2,b1,b0)
\end{tabular} \\
\hline \multirow[t]{2}{*}{002} &  \\
\hline & \begin{tabular}{l}
Shows cause of error when an error occurs With the Black level check when scanner turns on. \\
When an error, SC141-00(F side/Black level adjustment error) will be given. \\
[format] binary \\
Scan adjust error (F side/Black level) flag=(b7,b6,b5,b4,b3,b2,b1,b0)
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[t]{2}{*}{003} & SSCG Correction & ENG & \begin{tabular}{l}
[0 to 65535 / 0 / 1/step] \\
Bit7: Unused \\
Bit6: Unused \\
Bit5: SSCG correction error \\
(Fside/RED/EVEN Pixel) \\
Bit4: SSCG correction error \\
(Fside/RED/ODD Pixel) \\
Bit3: SSCG correction error \\
(Fside/GREEN/EVEN Pixel) \\
Bit2: SSCG correction error \\
(Fside/GREEN/ODD Pixel) \\
Bit1: SSCG correction error \\
(Fside/BLUE/EVEN Pixel) \\
Bit0: SSCG correction error \\
(Fside/BLUE/ODD Pixel)
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Shows cause of error when an error occurs With the SSCG Noise correction when scanner turns on. \\
When an error, Correction turns off. \\
[format] binary \\
Scan adjust error (F side/SSCG correction) flag= (b7,b6,b5,b4,b3,b2,b1,b0)
\end{tabular}} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|}
\hline \multirow{2}{*}{4647} & [Scanner Hard Error] \\
\hline & Displays result of SBU connection check. \\
\hline \multirow[t]{2}{*}{001} &  \\
\hline & \begin{tabular}{l}
Shows cause of error when an error occurs with the SBU connection detect when Scanner turns on.. \\
When an error, SC144-00 (SBU Communication error) will be given. \\
[format] binary \\
Scan adjust error (SSCG correction) flag=
(b15,b14,b13,b12,b11,b10,b9,b8,b7,b6,b5,b4,b3,b2,b1,b0)
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 4651 & \multicolumn{3}{|l|}{[Black Level Adj. Value (Ana.)]} \\
\hline & Latest: RE Color & ENG & [0 to 127 / 0 / 1digit/step] \\
\hline 001 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Displays black level analog adjustment value (RED/EVEN pixel). \\
Black level adjust is regularly done hardwarely by ASIC (SCAT) of SBU. \\
Adjusted value will be given from checking the black level when scanner powers ON. \\
Use for design evaluation/analyzing cause of malfunction (abnormal image, SC).
\end{tabular}} \\
\hline & Latest: RO Color & ENG & [0 to 127 / 0 / 1digit/step] \\
\hline 002 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Displays black level analog adjustment value (RED/ODD pixel). \\
Black level adjust is regularly done hardwarely by ASIC (SCAT) of SBU. \\
Adjusted value will be given from checking the black level when scanner powers ON. \\
Use for design evaluation/analyzing cause of malfunction (abnormal image, SC).
\end{tabular}} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 4652 & \multicolumn{3}{|l|}{[Black Level Adj. Value (Ana.)]} \\
\hline & Latest: GE Color & ENG & [ 0 to 127 / 0 / 1digit/step] \\
\hline 001 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Displays black level analog adjustment value (GREEN/EVEN pixel). \\
Black level adjust is regularly done hardwarely by ASIC (SCAT) of SBU. \\
Adjusted value will be given from checking the black level when scanner powers ON. \\
Use for design evaluation/analyzing cause of malfunction (abnormal image, SC).
\end{tabular}} \\
\hline & Latest: GO Color & ENG & [0 to 127 / 0 / 1digit/step] \\
\hline 002 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Displays black level analog adjustment value (GREEN/ODD pixel). \\
Black level adjust is regularly done hardwarely by ASIC (SCAT) of SBU. \\
Adjusted value will be given from checking the black level when scanner powers ON. \\
Use for design evaluation/analyzing cause of malfunction (abnormal image, SC).
\end{tabular}} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 4653 & \multicolumn{3}{|l|}{[Black Level Adj. Value (Ana.)} \\
\hline & Latest: BE Color & ENG & [0 to 127 / 0 / 1digit/step] \\
\hline 001 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Displays black level analog adjustment value (BLUE/EVEN pixel). \\
Black level adjust is regularly done hardwarely by ASIC (SCAT) of SBU. \\
Adjusted value will be given from checking the black level when scanner powers ON. \\
Use for design evaluation/analyzing cause of malfunction (abnormal image, SC).
\end{tabular}} \\
\hline & Latest: BO Color & ENG & [0 to 127 / 0 / 1digit/step] \\
\hline 002 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Displays black level analog adjustment value (BLUE/ODD pixel). \\
Black level adjust is regularly done hardwarely by ASIC (SCAT) of SBU. \\
Adjusted value will be given from checking the black level when scanner powers ON. \\
Use for design evaluation/analyzing cause of malfunction (abnormal image, SC).
\end{tabular}} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|}
\hline 4654 & [Black Level Adj. Value (Dig.)] \\
\hline & Latest: RE Color \(\quad\) *ENG \([0\) to 16383 / 0 / 1digit/step] \\
\hline 001 & \begin{tabular}{l}
Displays black level digital adjustment value (RED/EVEN pixel). \\
Black level adjust is regularly done hardwarely by ASIC (SCAT) of SBU. \\
Adjusted value will be given from checking the black level when scanner powers ON. \\
Use for design evaluation/analyzing cause of malfunction (abnormal image, SC).
\end{tabular} \\
\hline & Latest: RO Color \(\quad\) *ENG 0 to 16383 / 0 / 1digit/step] \\
\hline 002 & \begin{tabular}{l}
Displays black level digital adjustment value (RED/ODD pixel). \\
Black level adjust is regularly done hardwarely by ASIC (SCAT) of SBU. \\
Adjusted value will be given from checking the black level when scanner powers ON. \\
Use for design evaluation/analyzing cause of malfunction (abnormal image, SC).
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|}
\hline 4655 & [Black Level Adj. Value (Dig.)] \\
\hline & Latest: GE Color \(\quad\) *ENG \([0\) to 16383 / 0 / 1digit/step] \\
\hline 001 & \begin{tabular}{l}
Displays black level digital adjustment value (GREEN/EVEN pixel). \\
Black level adjust is regularly done hardwarely by ASIC (SCAT) of SBU. \\
Adjusted value will be given from checking the black level when scanner powers ON. \\
Use for design evaluation/analyzing cause of malfunction (abnormal image, SC).
\end{tabular} \\
\hline & Latest: GO Color \(\quad\) *ENG \([0\) to 16383 / 0 / 1digit/step] \\
\hline 002 & \begin{tabular}{l}
Displays black level digital adjustment value (GREEN/ODD pixel). \\
Black level adjust is regularly done hardwarely by ASIC (SCAT) of SBU. \\
Adjusted value will be given from checking the black level when scanner powers ON. \\
Use for design evaluation/analyzing cause of malfunction (abnormal image, SC).
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|}
\hline 4656 & [Black Level Adj. Value (Dig.)] \\
\hline & Latest: BE Color \(\quad\) *ENG \([0\) to 16383 / 0 / 1digit/step] \\
\hline 001 & \begin{tabular}{l}
Displays black level digital adjustment value (BLUE/EVEN pixel). \\
Black level adjust is regularly done hardwarely by ASIC (SCAT) of SBU. \\
Adjusted value will be given from checking the black level when scanner powers ON. \\
Use for design evaluation/analyzing cause of malfunction (abnormal image, SC).
\end{tabular} \\
\hline & Latest: BO Color \(\quad\) *ENG \([0\) to 16383 / 0 / 1digit/step] \\
\hline 002 & \begin{tabular}{l}
Displays black level digital adjustment value (BLUE/ODD pixel). \\
Black level adjust is regularly done hardwarely by ASIC (SCAT) of SBU. \\
Adjusted value will be given from checking the black level when scanner powers ON. \\
Use for design evaluation/analyzing cause of malfunction (abnormal image, SC).
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|}
\hline 4658 & [Analog Gain Adjust] \\
\hline & \begin{tabular}{l|l|l} 
Latest: R Color & *ENG & {\([0\) to 14 / 0 / 1digit/step] }
\end{tabular} \\
\hline 001 & \begin{tabular}{l}
Displays analog gain adjustment value (RED pixel). \\
White level adjust is done when scanner powers ON to keep the dynamic range of image signal. \\
Image signal will be amplified or attenuated with white level adjust, therefore gain adjust will be done by ASIC (SCAT) of SBU hardwarely, and adjusted value will be given. \\
Use for design evaluation/analyzing cause of malfunction (abnormal image, SC).
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|}
\hline 4659 & [Analog Gain Adjust] \\
\hline & Latest: G Color \({ }^{\text {a }}\) *ENG \([0\) to 14 / 0 / 1digit/step] \\
\hline 001 & \begin{tabular}{l}
Displays analog gain adjustment value (GREEN pixel). \\
White level adjust is done when scanner powers ON to keep the dynamic range of image signal. \\
Image signal will be amplified or attenuated with white level adjust, therefore gain adjust will be done by ASIC (SCAT) of SBU hardwarely, and adjusted value will be given. \\
Use for design evaluation/analyzing cause of malfunction (abnormal image, SC).
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|}
\hline 4660 & [Analog Gain Adjust] \\
\hline & \begin{tabular}{l|l|l|l} 
Latest: B Color & *ENG & [0 to 14 / 0 / 1digit/step]
\end{tabular} \\
\hline 001 & \begin{tabular}{l}
Displays analog gain adjustment value (BLUE pixel). \\
White level adjust is done when scanner powers ON to keep the dynamic range of image signal. \\
Image signal will be amplified or attenuated with white level adjust, therefore gain adjust will be done by ASIC (SCAT) of SBU hardwarely, and adjusted value will be given. \\
Use for design evaluation/analyzing cause of malfunction (abnormal image, SC).
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 4661 & \multicolumn{3}{|l|}{[Digital Gain Adjust]} \\
\hline & Latest: RE Color & *ENG & [0 to 1023 / 0 / 1digit/step] \\
\hline 001 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Displays digital gain adjustment value (RED/EVEN pixel). \\
White level adjust is done when scanner powers ON to keep the dynamic range of image signal. \\
Image signal will be amplified or attenuated with white level adjust, therefore gain adjust will be done by ASIC (SCAT) of SBU hardwarely, and adjusted value will be given. \\
Use for design evaluation/analyzing cause of malfunction (abnormal image, SC).
\end{tabular}} \\
\hline & Latest: RO Color & *ENG & [0 to 1023 / 0 / 1digit/step] \\
\hline 002 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Displays digital gain adjustment value (RED/ODD pixel). \\
White level adjust is done when scanner powers ON to keep the dynamic range of image signal. \\
Image signal will be amplified or attenuated with white level adjust, therefore gain adjust will be done by ASIC (SCAT) of SBU hardwarely, and adjusted value will be given. \\
Use for design evaluation/analyzing cause of malfunction (abnormal image, SC).
\end{tabular}} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 4662 & \multicolumn{3}{|l|}{[Digital Gain Adjust]} \\
\hline & Latest: GE Color & *ENG & [0 to 1023 / 0 / 1digit/step] \\
\hline 001 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Displays digital gain adjustment value (GREEN/EVEN pixel). \\
White level adjust is done when scanner powers ON to keep the dynamic range of image signal. \\
Image signal will be amplified or attenuated with white level adjust, therefore gain adjust will be done by ASIC (SCAT) of SBU hardwarely, and adjusted value will be given. \\
Use for design evaluation/analyzing cause of malfunction (abnormal image, SC).
\end{tabular}} \\
\hline 002 & Latest: GO Color & *ENG & [0 to 1023 / 0 / 1digit/step] \\
\hline
\end{tabular}
\begin{tabular}{|l|l|}
\hline & \begin{tabular}{l} 
Displays digital gain adjustment value (GREEN/ODD pixel). \\
White level adjust is done when scanner powers ON to keep the dynamic range \\
of image signal. \\
Image signal will be amplified or attenuated with white level adjust, therefore \\
gain adjust will be done by ASIC (SCAT) of SBU hardwarely, and adjusted value \\
will be given. \\
Use for design evaluation/analyzing cause of malfunction (abnormal image, \\
SC).
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 4663 & \multicolumn{3}{|l|}{[Digital Gain Adjus} \\
\hline & Latest: BE Color & *ENG & [0 to 1023 / 0 / 1digit/step] \\
\hline 001 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Displays digital gain adjustment value (BLUE/EVEN pixel). \\
White level adjust is done when scanner powers ON to keep the dynamic range of image signal. \\
Image signal will be amplified or attenuated with white level adjust, therefore gain adjust will be done by ASIC (SCAT) of SBU hardwarely, and adjusted value will be given. \\
Use for design evaluation/analyzing cause of malfunction (abnormal image, SC).
\end{tabular}} \\
\hline & Latest: BO Color & *ENG & [0 to 1023 / 0 / 1digit/step] \\
\hline 002 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Displays digital gain adjustment value (BLUE/ODD pixel). \\
White level adjust is done when scanner powers ON to keep the dynamic range of image signal. \\
Image signal will be amplified or attenuated with white level adjust, therefore gain adjust will be done by ASIC (SCAT) of SBU hardwarely, and adjusted value will be given. \\
Use for design evaluation/analyzing cause of malfunction (abnormal image, SC).
\end{tabular}} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 4670 & \multicolumn{3}{|l|}{[Black Level Adj. Value (Ana.)]} \\
\hline & Factory Setting: RE Color & *ENG & [0 to 127 / 0 / 1digit/step] \\
\hline 001 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Displays/Saves factory default black level analog adjust value (RED/EVEN pixel). \\
Factory default black level analog adjustment value is saved during the main unit warranty process. \\
Use for design evaluation/analyzing cause of malfunction (abnormal image, SC).
\end{tabular}} \\
\hline & Factory Setting: RO Color & *ENG & [0 to 127 / 0 / 1digit/step] \\
\hline 002 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Displays/Saves factory default black level analog adjust value (RED/ODD pixel). Factory default black level analog adjustment value is saved during the main unit warranty process. \\
Use for design evaluation/analyzing cause of malfunction (abnormal image, SC).
\end{tabular}} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|}
\hline 4671 & [Black Level Adj. Value (Ana.)] \\
\hline & Factory Setting: GE Color \(\quad\) *ENG \([0\) to 127 / 0 / 1digit/step] \\
\hline 001 & \begin{tabular}{l}
Displays/Saves factory default black level analog adjust value (GREEN/EVEN pixel). \\
Factory default black level analog adjustment value is saved during the main unit warranty process. \\
Use for design evaluation/analyzing cause of malfunction (abnormal image, SC).
\end{tabular} \\
\hline & Factory Setting: GO Color \(\quad\) *ENG [0 to 127 / 0 / 1digit/step] \\
\hline 002 & \begin{tabular}{l}
Displays/Saves factory default black level analog adjust value (GREEN/ODD pixel). \\
Factory default black level analog adjustment value is saved during the main unit warranty process. \\
Use for design evaluation/analyzing cause of malfunction (abnormal image, SC).
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|}
\hline 4672 & [Black Level Adj. Value (Ana.)] \\
\hline & Factory Setting: BE Color \(\quad\) *ENG [0 to 127 / 0 / 1digit/step] \\
\hline 001 & \begin{tabular}{l}
Displays/Saves factory default black level analog adjust value (BLUE/EVEN pixel). \\
Factory default black level analog adjustment value is saved during the main unit warranty process. \\
Use for design evaluation/analyzing cause of malfunction (abnormal image, SC).
\end{tabular} \\
\hline & Factory Setting: BO Color \({ }^{\text {a }}\) *ENG \([0\) to 127 / 0 / 1digit/step] \\
\hline 002 & \begin{tabular}{l}
Displays/Saves factory default black level analog adjust value (BLUE/ODD pixel). \\
Factory default black level analog adjustment value is saved during the main unit warranty process. \\
Use for design evaluation/analyzing cause of malfunction (abnormal image, SC).
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 4673 & \multicolumn{3}{|l|}{[Black Level Adj. Value (Dig.]} \\
\hline & Factory Setting: RE Color & *ENG & [0 to 16383 / 0 / 1digit/step] \\
\hline 001 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Displays/Saves factory default black level digital adjust value (RED/EVEN pixel). \\
Factory default black level digital adjustment value is saved during the main unit warranty process. \\
Use for design evaluation/analyzing cause of malfunction (abnormal image, SC).
\end{tabular}} \\
\hline & Factory Setting: RO Color & *ENG & [0 to 16383 / 0 / 1digit/step] \\
\hline 002 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Displays/Saves factory default black level digital adjust value (RED/ODD pixel). Factory default black level digital adjustment value is saved during the main unit warranty process. \\
Use for design evaluation/analyzing cause of malfunction (abnormal image, SC).
\end{tabular}} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 4674 & \multicolumn{3}{|l|}{[Black Level Adj. Value (Dig.)]} \\
\hline & Factory Setting: GE Color & *ENG & [0 to 16383 / 0 / 1digit/step] \\
\hline 001 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Displays/Saves factory default black level digital adjust value (GREEN/EVEN pixel). \\
Factory default black level digital adjustment value is saved during the main unit warranty process. \\
Use for design evaluation/analyzing cause of malfunction (abnormal image, SC).
\end{tabular}} \\
\hline & Factory Setting: GO Color & *ENG & [0 to 16383 / 0 / 1digit/step] \\
\hline 002 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Displays/Saves factory default black level digital adjust value (GREEN/ODD pixel). \\
Factory default black level digital adjustment value is saved during the main unit warranty process. \\
Use for design evaluation/analyzing cause of malfunction (abnormal image, SC).
\end{tabular}} \\
\hline
\end{tabular}

\begin{tabular}{|c|c|c|c|}
\hline 4677 & \multicolumn{3}{|l|}{[Analog Gain Adjust]} \\
\hline & Factory Setting: R Color & *ENG & [0 to 14 / 0 / 1digit/step] \\
\hline 001 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Displays/Saves factory default analog gain adjust value (RED pixel). \\
Factory default analog gain adjustment value is saved during the main unit warranty process. \\
Use for design evaluation/analyzing cause of malfunction (abnormal image, SC).
\end{tabular}} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 4678 & \multicolumn{3}{|l|}{[Analog Gain Adjust]} \\
\hline & Factory Setting: G Color & *ENG & [0 to 14 / 0 / 1digit/step] \\
\hline 001 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Displays/Saves factory default analog gain adjust value (GREEN pixel). \\
Factory default analog gain adjustment value is saved during the main unit warranty process. \\
Use for design evaluation/analyzing cause of malfunction (abnormal image, SC).
\end{tabular}} \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|l|}
\hline 4679 & \multicolumn{3}{|l|}{ [Analog Gain Adjust] } \\
\hline 001 & Factory Setting: B Color & *ENG & [0 to 14 / 0 / 1digit/step] \\
\cline { 2 - 4 } & \begin{tabular}{l} 
Displays/Saves factory default analog gain adjust value (BLUE pixel). \\
Factory default analog gain adjustment value is saved during the main unit \\
warranty process. \\
Use for design evaluation/analyzing cause of malfunction (abnormal image, \\
SC).
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 4680 & \multicolumn{3}{|l|}{[Digital Gain Adjust]} \\
\hline & Factory Setting: RE Color & *ENG & [0 to 1023 / 0 / 1digit/step] \\
\hline 001 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Displays/Saves factory default digital gain adjust value (RED/EVEN pixel). Factory default analog gain adjustment value is saved during the main unit warranty process. \\
Use for design evaluation/analyzing cause of malfunction (abnormal image, SC).
\end{tabular}} \\
\hline & Factory Setting: RO Color & *ENG & [0 to 1023 / 0 / 1digit/step] \\
\hline 002 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Displays/Saves factory default digital gain adjust value (RED/ODD pixel). \\
Factory default analog gain adjustment value is saved during the main unit warranty process. \\
Use for design evaluation/analyzing cause of malfunction (abnormal image, SC).
\end{tabular}} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 4681 & \multicolumn{3}{|l|}{[Digital Gain Adjust]} \\
\hline & Factory Setting: GE Color & *ENG & [0 to 1023 / 0 / 1digit/step] \\
\hline 001 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Displays/Saves factory default digital gain adjust value (GREEN/EVEN pixel) Factory default analog gain adjustment value is saved during the main unit warranty process. \\
Use for design evaluation/analyzing cause of malfunction (abnormal image, SC).
\end{tabular}} \\
\hline & Factory Setting: GO Color & *ENG & [0 to 1023 / 0 / 1digit/step] \\
\hline 002 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Displays/Saves factory default digital gain adjust value (GREEN/ODD pixel). \\
Factory default analog gain adjustment value is saved during the main unit warranty process. \\
Use for design evaluation/analyzing cause of malfunction (abnormal image, SC).
\end{tabular}} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 4682 & \multicolumn{3}{|l|}{[Digital Gain Adjust]} \\
\hline & Factory Setting: BE Color & *ENG & [0 to 1023 / 0 / 1digit/step] \\
\hline 001 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Displays/Saves factory default digital gain adjust value (BLUE/EVEN pixel). Factory default analog gain adjustment value is saved during the main unit warranty process. \\
Use for design evaluation/analyzing cause of malfunction (abnormal image, SC).
\end{tabular}} \\
\hline & Factory Setting: BO Color & *ENG & [0 to 1023 / 0 / 1digit/step] \\
\hline 002 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Displays/Saves factory default digital gain adjust value (BLUE/ODD pixel). \\
Factory default analog gain adjustment value is saved during the main unit warranty process. \\
Use for design evaluation/analyzing cause of malfunction (abnormal image, SC).
\end{tabular}} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 4688 & \multicolumn{3}{|l|}{[DF Density Adjustment]} \\
\hline 001 & ARDF & *ENG & \begin{tabular}{l}
[80 to 120 / 102 / \(1 \% /\) step] Value increase: ADF density deeper. \\
Value decrease: ADF density thinner.
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{For Oversetters only. Adjusts density difference between Book and ADF.} \\
\hline 4688 & \multicolumn{3}{|l|}{[Scan Image Density Adjustment]} \\
\hline \multirow[b]{2}{*}{002} & 1-pass DF & *ENG & [80 to 120 / 103 / 1 \%/step] \\
\hline & \multicolumn{3}{|l|}{For Single-Pass simultaneous duplex models only. Adjusts density difference between Book and ADF.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|}
\hline 4690 & [White Level Peak Read] \\
\hline & \begin{tabular}{l|l|l} 
RE & ENG & {\([0\) to 1023 / 0 / 1digit/step] }
\end{tabular} \\
\hline 001 & \begin{tabular}{l}
Displays white level peak scanning value (RED/EVEN pixel). \\
White level adjust is done by scanning the white reference plate when scanner powers ON to keep the dynamic range of image signal. \\
Scanning level of white reference plate from white level adjusting is given. \\
When white level peak scanning value is an error (adjustment not finishing correctly) SC142-00 is given. \\
Cause of error will be displayed on SP4-646-001. \\
Use for design evaluation/analyzing cause of malfunction (abnormal image, SC).
\end{tabular} \\
\hline & \begin{tabular}{l|l|l} 
RO & ENG & {\([0\) to 1023 / 0 / 1digit/step] }
\end{tabular} \\
\hline 002 & \begin{tabular}{l}
Displays white level peak scanning value (RED/ODD pixel). \\
White level adjust is done by scanning the white reference plate when scanner powers ON to keep the dynamic range of image signal. \\
Scanning level of white reference plate from white level adjusting is given. When white level peak scanning value is an error (adjustment not finishing correctly) SC142-00 is given. \\
Cause of error will be displayed on SP4-646-001. \\
Use for design evaluation/analyzing cause of malfunction (abnormal image, SC).
\end{tabular} \\
\hline 4691 & [White Level Peak Read] \\
\hline & GE ENG [0 to 1023 / 0 / 1digit/step] \\
\hline 001 & \begin{tabular}{l}
Displays white level peak scanning value (GREEN/EVEN pixel). \\
White level adjust is done by scanning the white reference plate when scanner powers ON to keep the dynamic range of image signal. \\
Scanning level of white reference plate from white level adjusting is given. \\
When white level peak scanning value is an error (adjustment not finishing correctly) SC142-00 is given. \\
Cause of error will be displayed on SP4-646-001. \\
Use for design evaluation/analyzing cause of malfunction (abnormal image, SC).
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|l|c|l|}
\hline & GO & \multicolumn{1}{c|}{ ENG } & [0 to 1023 / o / 1digit/step] \\
\cline { 2 - 4 } & \begin{tabular}{l} 
Displays white level peak scanning value (GREEN/ODD pixel). \\
White level adjust is done by scanning the white reference plate when scanner \\
powers ON to keep the dynamic range of image signal. \\
Scanning level of white reference plate from white level adjusting is given. \\
When white level peak scanning value is an error (adjustment not finishing \\
correctly) SC142-00 is given. \\
Cause of error will be displayed on SP4-646-001. \\
Use for design evaluation/analyzing cause of malfunction (abnormal image, \\
SC).
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|}
\hline 4692 & [White Level Peak Read] \\
\hline & \begin{tabular}{l|l|l} 
BE & ENG & {\([0\) to 1023/0 / 1digit/step] }
\end{tabular} \\
\hline 001 & \begin{tabular}{l}
Displays white level peak scanning value (BLUE/EVEN pixel). \\
White level adjust is done by scanning the white reference plate when scanner powers ON to keep the dynamic range of image signal. \\
Scanning level of white reference plate from white level adjusting is given. When white level peak scanning value is an error (adjustment not finishing correctly) SC142-00 is given. \\
Cause of error will be displayed on SP4-646-001. \\
Use for design evaluation/analyzing cause of malfunction (abnormal image, SC).
\end{tabular} \\
\hline & \begin{tabular}{l|l|l} 
BO & ENG & [0 to 1023 / 0 / 1digit/step] \\
\hline
\end{tabular} \\
\hline 002 & \begin{tabular}{l}
Displays white level peak scanning value (BLUE/ODD pixel). \\
White level adjust is done by scanning the white reference plate when scanner powers ON to keep the dynamic range of image signal. \\
Scanning level of white reference plate from white level adjusting is given. When white level peak scanning value is an error (adjustment not finishing correctly) SC142-00 is given. \\
Cause of error will be displayed on SP4-646-001. \\
Use for design evaluation/analyzing cause of malfunction (abnormal image, SC).
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|}
\hline 4693 & [Black Level Peak Read] \\
\hline \multirow[b]{2}{*}{001} & \begin{tabular}{l|l|l} 
RE & ENG & [0 to 1023 / 0 / 1digit/step]
\end{tabular} \\
\hline & \begin{tabular}{l}
Displays black level scanning value (RED/EVEN pixel). \\
Black level check is done when scanner powers ON, then offset level of image signal is checked and that value will be given. \\
Check whether the offset adjustment of SBU (SCAT) is working correctly. \\
Gives SC141-00 if the black level scanning value is an error. \\
Cause of error will be displayed on SP4-646-001. \\
Use for design evaluation/analyzing cause of malfunction (abnormal image, SC).
\end{tabular} \\
\hline \multirow[b]{2}{*}{002} & \begin{tabular}{l|l|l} 
RO & ENG & [0 to 1023 / 0 / 1digit/step]
\end{tabular} \\
\hline & \begin{tabular}{l}
Displays black level scanning value (RED/ODD pixel). \\
Black level check is done when scanner powers ON, then offset level of image signal is checked and that value will be given. \\
Check whether the offset adjustment of SBU (SCAT) is working correctly. \\
Gives SC141-00 if the black level scanning value is an error. \\
Cause of error will be displayed on SP4-646-001. \\
Use for design evaluation/analyzing cause of malfunction (abnormal image, SC).
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{4694} & \multicolumn{3}{|l|}{[Black Level Peak Read]} \\
\hline & \multicolumn{3}{|l|}{} \\
\hline & GE & ENG & [0 to 1023 / 0 / 1digit/step] \\
\hline 001 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Displays black level scanning value (GREEN/EVEN pixel). \\
Black level check is done when scanner powers ON, then offset level of image signal is checked and that value will be given. \\
Check whether the offset adjustment of SBU (SCAT) is working correctly. \\
Gives SC141-00 if the black level scanning value is an error. \\
Cause of error will be displayed on SP4-646-001. \\
Use for design evaluation/analyzing cause of malfunction (abnormal image, SC).
\end{tabular}} \\
\hline 002 & GO & ENG & [0 to 1023 / 0 / 1digit/step] \\
\hline
\end{tabular}
\begin{tabular}{|l|l|}
\hline & Displays black level scanning value (GREEN/EVEN pixel). \\
Black level check is done when scanner powers ON, then offset level of image \\
signal is checked and that value will be given. \\
Check whether the offset adjustment of SBU (SCAT) is working correctly. \\
Gives SC141-00 if the black level scanning value is an error. \\
Cause of error will be displayed on SP4-646-001. \\
Use for design evaluation/analyzing cause of malfunction (abnormal image, \\
SC).
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{4695} & \multicolumn{3}{|l|}{[Black Level Peak Read]} \\
\hline & \multicolumn{3}{|l|}{} \\
\hline & BE & ENG & [0 to 1023 / 0 / 1digit/step] \\
\hline 001 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Displays black level scanning value (BLUE/EVEN pixel). \\
Black level check is done when scanner powers ON, then offset level of image signal is checked and that value will be given. \\
Check whether the offset adjustment of SBU (SCAT) is working correctly. \\
Gives SC141-00 if the black level scanning value is an error. \\
Cause of error will be displayed on SP4-646-002. \\
Use for design evaluation/analyzing cause of malfunction (abnormal image, SC).
\end{tabular}} \\
\hline & BO & ENG & [0 to 1023 / 0 / 1digit/step] \\
\hline 002 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Displays black level scanning value (BLUE/ODD pixel). \\
Black level check is done when scanner powers ON, then offset level of image signal is checked and that value will be given. \\
Check whether the offset adjustment of SBU (SCAT) is working correctly. \\
Gives SC141-00 if the black level scanning value is an error. \\
Cause of error will be displayed on SP4-646-002. \\
Use for design evaluation/analyzing cause of malfunction (abnormal image, SC).
\end{tabular}} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{3}{*}{4698} & \multicolumn{3}{|l|}{} \\
\cline { 2 - 4 } & [Factory Setting Input \(]\) & \\
\hline 001 & On/Off & *ENG & {\([0\) to \(1 / 0 / 1 /\) step \(]\)} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{3}{*}{4795} & \multicolumn{3}{|l|}{[CIS Black Level Data: B]} \\
\hline & \multicolumn{3}{|l|}{} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Displays black level; data of CIS. \\
When DF powers ON, black level of CIS is checked, then detect the black level per chip and display scanning level. \\
Cause of error will be displayed on SP4-745-001. \\
Use for design evaluation/analyzing cause of malfunction (abnormal image, SC).
\end{tabular}} \\
\hline 001 & Chip1 & ENG & [0 to 255 / 0 / 1digit/step] \\
\hline 002 & Chip2 & ENG & [0 to 255 / 0 / 1digit/step] \\
\hline 003 & Chip3 & ENG & [0 to 255 / 0 / 1digit/step] \\
\hline 004 & Chip4 & ENG & [0 to 255 / 0 / 1digit/step] \\
\hline 005 & Chip5 & ENG & [ 0 to 255 / 0 / 1digit/step] \\
\hline 006 & Chip6 & ENG & [0 to 255 / 0 / 1digit/step] \\
\hline 007 & Chip7 & ENG & [ 0 to 255 / 0 / 1digit/step] \\
\hline 008 & Chip8 & ENG & [0 to 255 / 0 / 1digit/step] \\
\hline 009 & Chip9 & ENG & [ 0 to 255 / 0 / 1digit/step] \\
\hline 010 & Chip10 & ENG & [0 to 255 / 0 / 1digit/step] \\
\hline 011 & Chip11 & ENG & [ 0 to 255 / 0 / 1digit/step] \\
\hline 012 & Chip12 & ENG & [0 to 255 / 0 / 1digit/step] \\
\hline 013 & Chip13 & ENG & [ 0 to 255 / 0 / 1digit/step] \\
\hline 014 & Chip14 & ENG & [ 0 to 255 / 0 / 1digit/step] \\
\hline 015 & Chip15 & ENG & [ 0 to 255 / 0 / 1digit/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 016 & Chip16 & ENG & [0 to 255 / 0 / 1digit/step] \\
\hline 017 & Chip17 & ENG & [0 to 255 / 0 / 1digit/step] \\
\hline 018 & Chip18 & ENG & [0 to 255 / 0 / 1digit/step] \\
\hline 019 & Chip19 & ENG & [0 to 255 / 0 / 1digit/step] \\
\hline 020 & Chip20 & ENG & [0 to 255 / 0 / 1digit/step] \\
\hline 021 & Chip21 & ENG & [0 to 255 / 0 / 1digit/step] \\
\hline 022 & Chip22 & ENG & [0 to 255 / 0 / 1digit/step] \\
\hline 023 & Chip23 & ENG & [0 to 255 / 0 / 1digit/step] \\
\hline 024 & Chip24 & ENG & [0 to 255 / 0 / 1digit/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{4796} & \multicolumn{3}{|l|}{[Low Density Color Correction]} \\
\hline & \multicolumn{3}{|l|}{} \\
\hline & Front Side & *ENG & \begin{tabular}{l}
[ 0 to \(3 / 0 / 1 /\) step] \\
0: OFF \\
1: WEAK \\
2: MEDIUM \\
3: STRONG
\end{tabular} \\
\hline 001 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Corrects low chroman area of front side. \\
With Single-Pass duplex models, coloring might change between the front side and the rear side of the gray half tone area, due to scanning system difference. if user points out this difference, by changing this setting, difference can be reduced. \\
Adjusts intensity of correction depending on coloring difference. \\
For a side effect, low chroman area's reproducibility will spoil as stronger the intensity gets.
\end{tabular}} \\
\hline 002 & Rear Side & *ENG & \begin{tabular}{l}
[0 to \(3 / 0 / 1 /\) step] \\
0: OFF \\
1: WEAK \\
2: MEDIUM \\
3: STRONG
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|l|l|}
\hline & \begin{tabular}{l} 
Corrects low chroman area of rear side. \\
With Single-Pass duplex models, coloring might change between the front side \\
and the rear side of the gray half tone area, due to scanning system difference. \\
if user points out this difference, by changing this setting, difference can be \\
reduced. \\
Adjusts intensity of correction depending on coloring difference. \\
For a side effect, low chroman area's reproducibility will spoil as stronger the \\
intensity gets.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 4797 & \multicolumn{3}{|l|}{[Rear Side: Digital AE]} \\
\hline & Low Limit Setting & *ENG & [0 to 1023 / 364 / 1/step] \\
\hline 001 & \multicolumn{3}{|l|}{Sets lower limit threshold to detect background when scanning with DF rear. Considers as background when an area of input image is brighter (larger value) than threshold.} \\
\hline & Background Erase Level & *ENG & [512 to 1535 / 932 / 1/step] \\
\hline 002 & \multicolumn{3}{|l|}{Sets background level to decide output value of background erase when scanning with DF rear. As the value enlarges, gets thinner.} \\
\hline
\end{tabular}
\begin{tabular}{|c|l|l|l|}
\hline 4798 & \multicolumn{3}{|l|}{ [CIS LED Duty] } \\
\hline \multirow{3}{*}{001} & - & *ENG & {\([0\) to \(65535 / 0 / 1 /\) step \(]\)} \\
\cline { 2 - 4 } & \begin{tabular}{l} 
Displays/Saves LED lighting Duty of CIS. \\
Value set with the shipping test of CIS is saved. \\
Normally do not change setting.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 4799 & \multicolumn{3}{|l|}{[CIS TEST Pattern]} \\
\hline \multirow[t]{2}{*}{001} & select & ENG & \begin{tabular}{l}
[ 0 to 5 / 0 / 1/step] \\
Sets CIS test pattern output. \\
0 : Scanned Image \\
1: Fixed Value Pattern \\
2: EO Fixed Value Pattern \\
3: Main Scan Gradation \\
4: Sub Scan Gradation \\
5: Grid Pattern
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{To print the test pattern selected with this SP, after setting SP, press the interrupt key, and set paper size, scale, image processing conditions etc... from the panel as like a regular copy job, then set original and press copy button. Use for design evaluation/analyzing cause of malfunction (abnormal image, SC).} \\
\hline \multirow[b]{2}{*}{002} & Even Output Level Setting & ENG & [0 to 4095 / 0 / 1digit/step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Sets test pattern fixed value output level (Even) of CIS. \\
Fixed value will be displayed / set when SP4-799-001-1: full side fixed value, or SP4-799-001-2: Fixed value per EO is selected.
\end{tabular}} \\
\hline \multirow[b]{2}{*}{003} & Odd Output Level Setting & ENG & [0 to 4095 / 0 / 1digit/step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Sets test pattern fixed value output level (ODD) of CIS. \\
Fixed value will be displayed / set when SP4-799-001-1: full side fixed value, or SP4-799-001-2: Fixed value per EO is selected.
\end{tabular}} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 4802 & \multicolumn{3}{|l|}{[Scanner Free run]} \\
\hline \multirow{2}{*}{001} & DF mode :Lamp Off & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Repeat DF shading with lamp off.} \\
\hline \multirow{2}{*}{002} & DF mode :Lamp On & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Repeat DF shading with lamp on.} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|c|l|}
\hline 4803 & \multicolumn{4}{|l|}{ [Home Position Adj Value] } \\
\hline 001 & - & ENG & {\([-2\) to \(2 / 0 / 0.1 \mathrm{~mm} / \mathrm{step}]\)} \\
\cline { 2 - 4 } & \multicolumn{1}{|l|}{ Run Home position operation (Homing). } \\
\hline
\end{tabular}
\begin{tabular}{|r|l|c|l|}
\hline 4804 & \multicolumn{4}{|l|}{ [Home Position Operation] } \\
\hline 001 & - & ENG & {\([0\) or \(1 / 0 / 1 /\) step \(]\)} \\
\cline { 2 - 4 } & Run Home position operation (Homing). \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline 4806 & \multicolumn{4}{|l|}{ [Scan Carriage Retract Op] } \\
\hline \multirow{3}{*}{001} & - & ENG & {\([0\) or \(1 / 0 / 1 /\) step \(]\)} \\
\cline { 2 - 4 } & Run Carriage retract operation. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 4807 & [SBU & & \\
\hline \multirow[t]{2}{*}{001} & On/Off & ENG & \[
\begin{aligned}
& {[0 \text { or } 1 / 1 / 0]} \\
& \text { 0:OFF } \\
& \text { 1:ON(default) }
\end{aligned}
\] \\
\hline & \multicolumn{3}{|l|}{Switch ON/OFF for stopping CCD drive clock of SBU when scanner is standby. Use for process adjustment/design evaluation.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|}
\hline 4813 & [ALC Selection] \\
\hline & FC \(\quad\) *ENG \begin{tabular}{l|l}
{\([0\) or \(1 / 1 / 1 /\) step \(]\)} \\
\(0:\) OFF \\
\(1:\) ON(default)
\end{tabular} \\
\hline 001 & \begin{tabular}{l}
Sets ON/OFF variable correction for scanning level of original when continuously scanning multiple originals using ADF. \\
For increasing productivity of ADF, creating correction data is done at a certain (3min) interval. \\
If shade correcting data is not updated, original scanning level will change affected by the light source brightness changing, therefore, variable will be corrected by scanning the guide plate (white) of ADF from between originals. This SP setting (enable/disable) will apply to color scan. \\
In an occasion of an unexpected malfunction and level correcting does not work, or background density disorderly changes among multiple scanned originals, and by changing setting these will improve; then temporarily set correction OFF. \\
By setting interval shading OFF with SP4-351-001, even when ALC is set to OFF, shading will be done each time, and will prevent density change when having level correction OFF. \\
But in this case, shading data is created (moving carriage) with original interval of ADF scanning, therefore Productivity will drop
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline & BW & *ENG & [0 or \(1 / 1 / 1 /\) step]
0:OFF
1:ON(default) \\
\hline 002 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Sets ON/OFF variable correction for scanning level of original when continuously scanning multiple originals using ADF. \\
For increasing productivity of ADF, creating correction data is done at a certain (3min) interval. \\
If shade correcting data is not updated, original scanning level will change affected by the light source brightness changing, therefore, variable will be corrected by scanning the guide plate (white) of ADF from between originals. This SP setting (enable/disable) will apply to B\&W scan. \\
In an occasion of an unexpected malfunction and level correcting does not work, or background density disorderly changes among multiple scanned originals, and by changing setting these will improve; then temporarily set correction OFF. \\
By setting interval shading OFF with SP4-351-001, even when ALC is set to OFF, shading will be done each time, and will prevent density change when having level correction OFF. \\
But in this case, shading data is created (moving carriage) with original interval of ADF scanning, therefore Productivity will drop
\end{tabular}} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|}
\hline 4850 & [PMW] \\
\hline & Latest \(\quad\) *ENG \([0\) to 8191/0 / 1digit/step] \\
\hline 001 & \begin{tabular}{l}
Displays LED lighting Duty (PWM) adjustment value of LED light quantity adjust. \\
When output of CCD is overflowed from the amount of light, Reduces light quantity by adjusting LED light source lighting duty when scanner powers ON. Use for design evaluation/analyzing cause of malfunction (abnormal image, SC).
\end{tabular} \\
\hline & Factory Setting \(\quad\) *ENG [0 to 8191/0 / 1digit/step] \\
\hline 002 & \begin{tabular}{l}
Displays LED lighting Duty (PWM) adjustment value of factory default LED light quantity adjust. \\
Factory default LED lighting Duty (PWM) adjustment value is saved during the main unit warranty process. \\
Use for design evaluation/analyzing cause of malfunction (abnormal image, SC).
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|}
\hline 4851 & [LED White Level Peak Read] \\
\hline & Latest: RE \(\quad\) *ENG [0 to 1023 / 0 / 1digit/step] \\
\hline 001 & \begin{tabular}{l}
Displays white level peak scanning value (RED/EVEN pixel) of LED light quantity adjustment. \\
Displays scanning levels of White reference plate when scanner powers on and LED light source lighting duty (PWM) is adjusted. \\
SC102-00 is given when LED light quantity does not complete. \\
Use for design evaluation/analyzing cause of malfunction (abnormal image, SC).
\end{tabular} \\
\hline & Latest: RO \(\quad\) *ENG [0 to 1023 / 0 / 1digit/step] \\
\hline 002 & \begin{tabular}{l}
Displays white level peak scanning value (RED/ODD pixel) of LED light quantity adjustment. \\
Displays scanning levels of White reference plate when scanner powers on and LED light source lighting duty (PWM) is adjusted. \\
SC102-00 is given when LED light quantity does not complete. \\
Use for design evaluation/analyzing cause of malfunction (abnormal image, SC).
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{003} & Latest: GE & *ENG & to 1023 / 0 / 1digit/step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Displays white level peak scanning value (GREEN/EVEN pixel) of LED light quantity adjustment. \\
Displays scanning levels of White reference plate when scanner powers on and LED light source lighting duty (PWM) is adjusted. SC102-00 is given when LED light quantity does not complete. Use for design evaluation/analyzing cause of malfunction (abnormal image, SC).
\end{tabular}} \\
\hline & Latest: GO & *ENG & [0 to 1023 / 0 / 1digit/step] \\
\hline 004 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Displays white level peak scanning value (GREEN/ODD pixel) of LED light quantity adjustment. \\
Displays scanning levels of White reference plate when scanner powers on and LED light source lighting duty (PWM) is adjusted. \\
SC102-00 is given when LED light quantity does not complete. \\
Use for design evaluation/analyzing cause of malfunction (abnormal image, SC).
\end{tabular}} \\
\hline & Latest: BE & *ENG & (o 1023 / 0 / 1digit/step] \\
\hline 00 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Displays white level peak scanning value (BLUE/EVEN pixel) of LED light quantity adjustment. \\
Displays scanning levels of White reference plate when scanner powers on and LED light source lighting duty (PWM) is adjusted. SC102-00 is given when LED light quantity does not complete. Use for design evaluation/analyzing cause of malfunction (abnormal image, SC).
\end{tabular}} \\
\hline & Latest: BO & *ENG & [0 to 1023 / 0 / 1digit/step] \\
\hline 006 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Displays white level peak scanning value (BLUE/ODD pixel) of LED light quantity adjustment. \\
Displays scanning levels of White reference plate when scanner powers on and LED light source lighting duty (PWM) is adjusted. \\
SC102-00 is given when LED light quantity does not complete. \\
Use for design evaluation/analyzing cause of malfunction (abnormal image, SC).
\end{tabular}} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|}
\hline 4852 & [LED White Level Peak Read] \\
\hline & Factory Setting: RE \(\quad\) *ENG \({ }^{\text {[0 }}\) [0 1023 / 0 / 1digit/step] \\
\hline 001 & \begin{tabular}{l}
Displays/Saves white level peak scanning value (RED/EVEN pixel) of factory default LED light quantity adjustment. \\
Factory default white level peak scanning data will be saved during the main unit warranty process. \\
Use for design evaluation/analyzing cause of malfunction (abnormal image, SC).
\end{tabular} \\
\hline & \begin{tabular}{l|l|l} 
Factory Setting: RO & *ENG & [0 to 1023 / 0 / 1digit/step]
\end{tabular} \\
\hline 002 & \begin{tabular}{l}
Displays/Saves white level peak scanning value (RED/ODD pixel) of factory default LED light quantity adjustment. \\
Factory default white level peak scanning data will be saved during the main unit warranty process. \\
Use for design evaluation/analyzing cause of malfunction (abnormal image, SC).
\end{tabular} \\
\hline & \begin{tabular}{l|l|l} 
Factory Setting: GE & *ENG & [0 to \(1023 / 0\) / 1digit/step]
\end{tabular} \\
\hline 003 & \begin{tabular}{l}
Displays/Saves white level peak scanning value (GREEN/EVEN pixel) of factory default LED light quantity adjustment. \\
Factory default white level peak scanning data will be saved during the main unit warranty process. \\
Use for design evaluation/analyzing cause of malfunction (abnormal image, SC).
\end{tabular} \\
\hline & \begin{tabular}{l|l|l} 
Factory Setting: GO & *ENG & [0 to \(1023 / 0\) / 1digit/step]
\end{tabular} \\
\hline 004 & \begin{tabular}{l}
Displays/Saves white level peak scanning value (GREEN/ODD pixel) of factory default LED light quantity adjustment. \\
Factory default white level peak scanning data will be saved during the main unit warranty process. \\
Use for design evaluation/analyzing cause of malfunction (abnormal image, SC).
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|l|l|l|}
\hline 5005 & Factory Setting: BE & *ENG & [0 to \(1023 / 0\) / 1digit/step] \\
\cline { 2 - 4 } & \begin{tabular}{l} 
Displays/Saves white level peak scanning value (BLUE/EVEN pixel) of factory \\
default LED light quantity adjustment. \\
Factory default white level peak scanning data will be saved during the main \\
unit warranty process. \\
Use for design evaluation/analyzing cause of malfunction (abnormal image, \\
SC).
\end{tabular} \\
\hline 006 & \begin{tabular}{l} 
Factory Setting: BO \\
\\
\hline
\end{tabular} \begin{tabular}{l} 
Displays/Saves white level peak scanning value (BLUE/ODD pixel) of factory \\
default LED light quantity adjustment. \\
Factory default white level peak scanning data will be saved during the main \\
unit warranty process. \\
Use for design evaluation/analyzing cause of malfunction (abnormal image, \\
SC).
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 4902 & \multicolumn{3}{|l|}{[Disp ACC Data]} \\
\hline \multirow[b]{2}{*}{001} & R_DATA1 & *ENG & [0 to 255 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Displays ( 0 to 255) scan value ( R component) of scanner for AAC pattern (white background area)} \\
\hline \multirow[b]{2}{*}{002} & G_DATA1 & *ENG & [0 to 255 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Displays (0 to 255) scan value (G component) of scanner for AAC pattern (white background area)} \\
\hline \multirow[b]{2}{*}{003} & B_DATA1 & *ENG & [0 to 255 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Displays ( 0 to 255) scan value (B component) of scanner for AAC pattern (white background area)} \\
\hline \multirow[b]{2}{*}{004} & R_DATA2 & *ENG & [0 to 255 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Displays ( 0 to 255) scan value ( R component) of scanner for AAC pattern (Cyan max. density area)} \\
\hline \multirow[b]{2}{*}{005} & G_DATA2 & *ENG & [0 to 255 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Displays ( 0 to 255) scan value ( \(G\) component) of scanner for AAC pattern (Magenta max. density area)} \\
\hline \multirow[b]{2}{*}{006} & B_DATA2 & *ENG & [0 to 255 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Displays ( 0 to 255) scan value (B component) of scanner for AAC pattern (Yellow max. density area)} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline 4905 & \multicolumn{4}{|l|}{ [Select Gradation Level] } \\
\hline \multirow{3}{*}{001} & - & *ENG & [0 to \(255 / 0 / 1 /\) step] \\
\cline { 2 - 4 } & Sets when switching threshold matrix used for tone process. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{4909} & \multicolumn{3}{|l|}{[Man Gamma:P CoIK]} \\
\hline & \multicolumn{3}{|l|}{-} \\
\hline 001 & Offset:Highlight & *ENG & [0 to \(30 / 15 / 1 /\) step] \\
\hline 002 & Offset:Middle & *ENG & [0 to 30 / 15 / 1/step] \\
\hline 003 & Offset:Shadow & *ENG & [0 to 30 / 15 / 1/step] \\
\hline 004 & Offset:IDmax & *ENG & [0 to 30 / 15 / 1/step] \\
\hline 005 & Option:Highlight & *ENG & [0 to 255 / 0 / 1/step] \\
\hline 006 & Option:Middle & *ENG & [0 to 12 / 0 / 1/step] \\
\hline 007 & Option:Shadow & *ENG & [0 to 255 / 0 / 1/step] \\
\hline 008 & Option:IDmax & *ENG & [0 to 255 / 0 / 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{2}{*}{4910} & \multicolumn{3}{|l|}{} \\
\cline { 2 - 4 } & [Man Gamma:Txt:K] & \\
\hline 001 & Offset:Highlight & *ENG & {\([0\) to \(30 / 15 / 1 /\) step \(]\)} \\
\hline 002 & Offset:Middle & *ENG & {\([0\) to \(30 / 15 / 1 /\) step \(]\)} \\
\hline 003 & Offset:Shadow & *ENG & {\([0\) to \(30 / 15 / 1 /\) step \(]\)} \\
\hline 004 & Offset:IDmax & *ENG & {\([0\) to \(30 / 15 / 1 /\) step \(]\)} \\
\hline 005 & Option:Highlight & *ENG & {\([0\) to \(255 / 0 / 1 /\) step \(]\)} \\
\hline 006 & Option:Middle & {\([0\) to \(12 / 0 / 1 /\) step \(]\)} \\
\hline 007 & Option:Shadow & *ENG & {\([0\) to \(255 / 0 / 1 /\) step \(]\)} \\
\hline 008 & Option:IDmax & *ENG & {\([0\) to 255 / 0 / 1/step \(]\)} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{4911} & \multicolumn{3}{|l|}{[Man Gamma:Txt:C]} \\
\hline & \multicolumn{3}{|l|}{-} \\
\hline 001 & Offset:Highlight & *ENG & [0 to \(30 / 15\) / 1/step] \\
\hline 002 & Offset:Middle & *ENG & [0 to \(30 / 15\) / 1/step] \\
\hline 003 & Offset:Shadow & *ENG & [0 to \(30 / 15\) / 1/step] \\
\hline 004 & Offset:IDmax & *ENG & [0 to \(30 / 15\) / 1/step] \\
\hline 005 & Option:Highlight & *ENG & [0 to 255 / 0 / 1/step] \\
\hline 006 & Option:Middle & *ENG & [0 to 12 / 0 / 1/step] \\
\hline 007 & Option:Shadow & *ENG & [0 to 255 / 0 / 1/step] \\
\hline 008 & Option:IDmax & *ENG & [0 to 255 / 0 / 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{2}{*}{4912} & \multicolumn{3}{|l|}{} \\
\cline { 2 - 4 } & [Man Gamma:Txt:M] & \\
\hline 001 & Offset:Highlight & *ENG & {\([0\) to \(30 / 15 / 1 /\) step \(]\)} \\
\hline 002 & Offset:Middle & *ENG & {\([0\) to \(30 / 15 / 1 /\) step \(]\)} \\
\hline 003 & Offset:Shadow & *ENG & {\([0\) to \(30 / 15 / 1 /\) step \(]\)} \\
\hline 004 & Offset:IDmax & *ENG & {\([0\) to \(30 / 15 / 1 /\) step \(]\)} \\
\hline 005 & Option:Highlight & *ENG & {\([0\) to \(12 / 0 / 1 /\) step \(]\)} \\
\hline 006 & Option:Middle & *ENG & {\([0\) to \(255 / 0 / 1 /\) step \(]\)} \\
\hline 007 & Option:Shadow & *ENG & {\([0\) to \(255 / 0 / 1 /\) step \(]\)} \\
\hline 008 & Option:IDmax & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{4913} & \multicolumn{3}{|l|}{[Man Gamma:Txt:Y]} \\
\hline & \multicolumn{3}{|l|}{-} \\
\hline 001 & Offset:Highlight & *ENG & [0 to \(30 / 15\) / 1/step] \\
\hline 002 & Offset:Middle & *ENG & [0 to \(30 / 15\) / 1/step] \\
\hline 003 & Offset:Shadow & *ENG & [0 to \(30 / 15\) / 1/step] \\
\hline 004 & Offset:IDmax & *ENG & [0 to 30 / 15 / 1/step] \\
\hline 005 & Option:Highlight & *ENG & [0 to 255 / 0 / 1/step] \\
\hline 006 & Option:Middle & *ENG & [0 to 12 / 0 / 1/step] \\
\hline 007 & Option:Shadow & *ENG & [0 to 255 / 0 / 1/step] \\
\hline 008 & Option:IDmax & *ENG & [0 to 255 / 0 / 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{2}{*}{4914} & \multicolumn{3}{|l|}{} \\
\cline { 2 - 4 } & [Man Gamma:T:CoIK \(]\) & \\
\hline 001 & Offset:Highlight & *ENG & {\([0\) to \(30 / 15 / 1 /\) step \(]\)} \\
\hline 002 & Offset:Middle & *ENG & {\([0\) to \(30 / 15 / 1 /\) step \(]\)} \\
\hline 003 & Offset:Shadow & *ENG & {\([0\) to \(30 / 15 / 1 /\) step \(]\)} \\
\hline 004 & Offset:IDmax & *ENG & {\([0\) to \(30 / 15 / 1 /\) step \(]\)} \\
\hline 005 & Option:Highlight & *ENG & {\([0\) to \(12 / 0 / 1 /\) step \(]\)} \\
\hline 006 & Option:Middle & *ENG & {\([0\) to \(255 / 0 / 1 /\) step \(]\)} \\
\hline 007 & Option:Shadow & *ENG & {\([0\) to \(255 / 0 / 1 /\) step \(]\)} \\
\hline 008 & Option:IDmax & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{4915} & \multicolumn{3}{|l|}{[Man Gamma:Pht:K]} \\
\hline & \multicolumn{3}{|l|}{-} \\
\hline 001 & Offset:Highlight & *ENG & [0 to \(30 / 15\) / 1/step] \\
\hline 002 & Offset:Middle & *ENG & [0 to \(30 / 15\) / 1/step] \\
\hline 003 & Offset:Shadow & *ENG & [0 to \(30 / 15\) / 1/step] \\
\hline 004 & Offset:IDmax & *ENG & [0 to \(30 / 15\) / 1/step] \\
\hline 005 & Option:Highlight & *ENG & [0 to 255 / 0 / 1/step] \\
\hline 006 & Option:Middle & *ENG & [0 to 12 / 0 / 1/step] \\
\hline 007 & Option:Shadow & *ENG & [0 to 255 / 0 / 1/step] \\
\hline 008 & Option:IDmax & *ENG & [0 to 255 / 0 / 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{4916} & \multicolumn{3}{|l|}{[Man Gamma:Pht:C]} \\
\hline & \multicolumn{3}{|l|}{-} \\
\hline 001 & Offset:Highlight & *ENG & [0 to 30 / 15 / 1/step] \\
\hline 002 & Offset:Middle & *ENG & [0 to 30 / 15 / 1/step] \\
\hline 003 & Offset:Shadow & *ENG & [0 to 30 / 15 / 1/step] \\
\hline 004 & Offset:IDmax & *ENG & [0 to 30 / 15 / 1/step] \\
\hline 005 & Option:Highlight & *ENG & [0 to 255 / 0 / 1/step] \\
\hline 006 & Option:Middle & *ENG & [0 to 12 / 0 / 1/step] \\
\hline 007 & Option:Shadow & *ENG & [0 to 255 / 0 / 1/step] \\
\hline 008 & Option:IDmax & *ENG & [0 to 255 / 0 / 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{4917} & \multicolumn{3}{|l|}{[Man Gamma:Pht:M]} \\
\hline & \multicolumn{3}{|l|}{-} \\
\hline 001 & Offset:Highlight & *ENG & [0 to 30 / 15 / 1/step] \\
\hline 002 & Offset:Middle & *ENG & [0 to \(30 / 15\) / 1/step] \\
\hline 003 & Offset:Shadow & *ENG & [0 to \(30 / 15\) / 1/step] \\
\hline 004 & Offset:IDmax & *ENG & [0 to \(30 / 15\) / 1/step] \\
\hline 005 & Option:Highlight & *ENG & [0 to 255 / 0 / 1/step] \\
\hline 006 & Option:Middle & *ENG & [0 to 12 / 0 / 1/step] \\
\hline 007 & Option:Shadow & *ENG & [0 to 255 / 0 / 1/step] \\
\hline 008 & Option:IDmax & *ENG & [0 to 255 / 0 / 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{4918} & \multicolumn{3}{|l|}{[Man Gamma:Pht:Y]} \\
\hline & \multicolumn{3}{|l|}{-} \\
\hline 001 & Offset:Highlight & *ENG & [0 to \(30 / 15 / 1 /\) step] \\
\hline 002 & Offset:Middle & *ENG & [ 0 to \(30 / 15\) / 1/step] \\
\hline 003 & Offset:Shadow & *ENG & [ 0 to \(30 / 15\) / 1/step] \\
\hline 004 & Offset:IDmax & *ENG & [0 to \(30 / 15 / 1 /\) step] \\
\hline 005 & Option:Highlight & *ENG & [ 0 to 255 / 0 / 1/step] \\
\hline 006 & Option:Middle & *ENG & [0 to 12 / 0 / 1/step] \\
\hline 007 & Option:Shadow & *ENG & [0 to 255 / 0 / 1/step] \\
\hline 008 & Option:IDmax & *ENG & [0 to 255 / 0 / 1/step] \\
\hline 4918 & \multicolumn{3}{|l|}{[Man Gamma Adj]} \\
\hline \multirow[b]{2}{*}{009} & - & ENG & [-/-/-] \\
\hline & \multicolumn{3}{|l|}{Adjusts manual gamma with setting value of "Option-IDmax" against highlight, middle, shadow, and IdMax.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 4930 & \multicolumn{3}{|l|}{[Coverage Ctrl: Text]} \\
\hline \multirow[b]{2}{*}{001} & Copy: Full Color 1 & *ENG & [0 to \(400 / 200 / 1 /\) step] \\
\hline & \multicolumn{3}{|l|}{Sets text area total amount control value ( \(0 \%\) to \(400 \%\) ) when full color copying with text/photo mode.} \\
\hline \multirow[b]{2}{*}{002} & Copy: Full Color 2 & *ENG & [0 to \(400 / 200 / 1 /\) step ] \\
\hline & \multicolumn{3}{|l|}{Sets text area total amount control value ( \(0 \%\) to \(400 \%\) ) when full color copying with modes except text/photo mode.} \\
\hline \multirow[b]{2}{*}{003} & Copy: Single Color & *ENG & [0 to \(400 / 100 / 1 /\) step] \\
\hline & \multicolumn{3}{|l|}{Sets text area total amount control value ( \(0 \%\) to \(400 \%\) ) when copying in color mode (B\&W).} \\
\hline \multirow[b]{2}{*}{004} & Copy: Color Conversion & *ENG & [0 to \(400 / 180\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets text area total amount control value ( \(0 \%\) to \(400 \%\) ) when copying in color mode (One color, Two colors).} \\
\hline \multirow[b]{2}{*}{005} & Coverage Ctrl OFF & *ENG & [0 to \(400 / 400 / 1 /\) step] \\
\hline & \multicolumn{3}{|l|}{Sets text area total amount control value (0\% to 400\%) when outputting image in other image output modes (normally, decontrolling total amount control)} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 4931 & \multicolumn{3}{|l|}{[Coverage Ctrl: Photo]} \\
\hline \multirow[b]{2}{*}{001} & Copy: Full Color 1 & *ENG & [0 to 400 / 240 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets photo area total amount control value ( \(0 \%\) to \(400 \%\) ) when full color copying with text/photo mode.} \\
\hline \multirow[b]{2}{*}{002} & Copy: Full Color 2 & *ENG & [0 to \(400 / 260 / 1 /\) step] \\
\hline & \multicolumn{3}{|l|}{Sets photo area total amount control value ( \(0 \%\) to \(400 \%\) ) when full color copying with modes except text/photo mode.} \\
\hline \multirow[b]{2}{*}{003} & Copy: Single Color & *ENG & [0 to \(400 / \mathbf{1 0 0} / 1 /\) step] \\
\hline & \multicolumn{3}{|l|}{Sets photo area total amount control value ( \(0 \%\) to \(400 \%\) ) when copying in color mode (B\&W).} \\
\hline 004 & Copy: Color Conversion & *ENG & [0 to \(400 / 200 / 1 /\) step ] \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|l|}
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l} 
Sets photo area total amount control value (0\% to 400\%) when copying in color \\
mode (One color, Two colors).
\end{tabular}} \\
\hline 005 & \begin{tabular}{l} 
Coverage Ctrl OFF
\end{tabular} & *ENG & [0 to 400 / 400 / 1/step]
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{4940} & \multicolumn{3}{|l|}{[Base Gamma Ctrl Pt:Txt K]} \\
\hline & \multicolumn{3}{|l|}{-} \\
\hline 001 & N.K.x1.y1 & *ENG & [0x00000000 to 0xFFFFFFFF / 0x00000000 / 1/step] \\
\hline 002 & x2.y2.x3.y3 & ENG & [0x00000000 to 0xFFFFFFFF / 0x00000000 / 1/step] \\
\hline 003 & x4.y4.x5.y5 & ENG & [0x00000000 to 0xFFFFFFFF / 0x00000000 / 1/step] \\
\hline 004 & x6.y6.x7.y7 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 005 & x8.y8.x9.y9 & ENG & [0x00000000 to 0xFFFFFFFF / 0x00000000 / 1/step] \\
\hline 006 & x10.y10.x11.y11 & *ENG & [0x00000000 to 0xFFFFFFFF / 0x00000000 / 1/step] \\
\hline 007 & x12.y12.x13.y13 & *ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 008 & x14.y14.x15.y15 & *ENG & [0x00000000 to 0xFFFFFFFF / 0x00000000 / 1/step] \\
\hline 009 & x16.y16 & *ENG & [0x00000000 to 0xFFFFFFFF / 0x00000000 / 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{4941} & \multicolumn{3}{|l|}{[Base Gamma Ctrl Pt: Text C]} \\
\hline & \multicolumn{3}{|l|}{-} \\
\hline 001 & N.K.x1.y1 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 002 & x2.y2.x3.y3 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 003 & x4.y4.x5.y5 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 004 & x6.y6.x7.y7 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 005 & x8.y8.x9.y9 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 006 & x10.y10.x11.y11 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 007 & x12.y12.x13.y13 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 008 & x14.y14.x15.y15 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 009 & x16.y16 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{4942} & \multicolumn{3}{|l|}{[Base Gamma Ctrl Pt: Text M]} \\
\hline & \multicolumn{3}{|l|}{-} \\
\hline 001 & N.K.x1.y1 & ENG & \begin{tabular}{l}
[0x00000000 to 0xFFFFFFFFF / \\
0x00000000 / 1/step]
\end{tabular} \\
\hline 002 & x2.y2.x3.y3 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 003 & x4.y4.x5.y5 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 004 & x6.y6.x7.y7 & ENG & \begin{tabular}{l}
[0x00000000 to 0xFFFFFFFF / \\
0x00000000 / 1/step]
\end{tabular} \\
\hline 005 & x8.y8.x9.y9 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 006 & x10.y10.x11.y11 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 007 & x12.y12.x13.y13 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 008 & x14.y14.x15.y15 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 009 & x16.y16 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{4943} & \multicolumn{3}{|l|}{[Base Gamma Ctrl Pt: Text Y]} \\
\hline & \multicolumn{3}{|l|}{-} \\
\hline 001 & N.K.x1.y1 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 002 & x2.y2.x3.y3 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 003 & x4.y4.x5.y5 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 004 & x6.y6.x7.y7 & ENG & \begin{tabular}{l}
[0x00000000 to 0xFFFFFFFFF / \\
0x00000000 / 1/step]
\end{tabular} \\
\hline 005 & x8.y8.x9.y9 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 006 & x10.y10.x11.y11 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 007 & \(x 12 . y 12 . x 13 . y 13\) & ENG & \begin{tabular}{l}
[0x00000000 to 0xFFFFFFFF / \\
0x00000000 / 1/step]
\end{tabular} \\
\hline 008 & x14.y14.x15.y15 & ENG & \begin{tabular}{l}
[0x00000000 to 0xFFFFFFFFF / \\
0x00000000 / 1/step]
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|l|l|l|}
\hline 009 & \(\times 16 . y 16\) & ENG & \begin{tabular}{l}
{\([0 \times 00000000\) to 0xFFFFFFFF / } \\
\(0 \times 00000000 / 1 /\) step \(]\)
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{4944} & \multicolumn{3}{|l|}{[Base Gamma Ctrl Pt: Photo K]} \\
\hline & \multicolumn{3}{|l|}{-} \\
\hline 001 & N.K.x1.y1 & ENG & \begin{tabular}{l}
[0x00000000 to 0xFFFFFFFFF / \\
0x00000000 / 1/step]
\end{tabular} \\
\hline 002 & x2.y2.x3.y3 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 003 & x4.y4.x5.y5 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 004 & x6.y6.x7.y7 & ENG & [0x00000000 to 0xFFFFFFFF / 0x00000000 / 1/step] \\
\hline 005 & x8.y8.x9.y9 & ENG & \begin{tabular}{l}
[0x00000000 to 0xFFFFFFFFF / \\
0x00000000 / 1/step]
\end{tabular} \\
\hline 006 & x10.y10.x11.y11 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 007 & x12.y12.x13.y13 & ENG & \begin{tabular}{l}
[0x00000000 to 0xFFFFFFFFF / \\
0x00000000 / 1/step]
\end{tabular} \\
\hline 008 & x14.y14.x15.y15 & ENG & \begin{tabular}{l}
[0x00000000 to 0xFFFFFFFFF / \\
0x00000000 / 1/step]
\end{tabular} \\
\hline 009 & x16.y16 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{4945} & \multicolumn{3}{|l|}{[Base Gamma Ctrl Pt: Photo C]} \\
\hline & \multicolumn{3}{|l|}{} \\
\hline 001 & N.K.x1.y1 & ENG & [0x00000000 to 0xFFFFFFFF / 0x00000000 / 1/step] \\
\hline 002 & x2.y2.x3.y3 & ENG & [0x00000000 to 0xFFFFFFFF / 0x00000000 / 1/step] \\
\hline 003 & x4.y4.x5.y5 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 004 & x6.y6.x7.y7 & ENG & [0x00000000 to 0xFFFFFFFF / 0x00000000 / 1/step] \\
\hline 005 & x8.y8.x9.y9 & ENG & [0x00000000 to 0xFFFFFFFF / 0x00000000 / 1/step] \\
\hline 006 & x10.y10.x11.y11 & ENG & [0x00000000 to 0xFFFFFFFF / 0x00000000 / 1/step] \\
\hline 007 & x12.y12.x13.y13 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 008 & x14.y14.x15.y15 & ENG & [0x00000000 to 0xFFFFFFFF / 0x00000000 / 1/step] \\
\hline 009 & x16.y16 & ENG & [0x00000000 to 0xFFFFFFFF / 0x00000000 / 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{4946} & \multicolumn{3}{|l|}{[Base Gamma Ctrl Pt: Photo M]} \\
\hline & \multicolumn{3}{|l|}{-} \\
\hline 001 & N.K.x1.y1 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 002 & x2.y2.x3.y3 & ENG & \begin{tabular}{l}
[0x00000000 to 0xFFFFFFFFF / \\
0x00000000 / 1/step]
\end{tabular} \\
\hline 003 & x4.y4.x5.y5 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 004 & x6.y6.x7.y7 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 005 & x8.y8.x9.y9 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 006 & x10.y10.x11.y11 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 007 & x12.y12.x13.y13 & ENG & \begin{tabular}{l}
[0x00000000 to 0xFFFFFFFF / \\
0x00000000 / 1/step]
\end{tabular} \\
\hline 008 & x14.y14.x15.y15 & ENG & \begin{tabular}{l}
[0x00000000 to 0xFFFFFFFF / \\
0x00000000 / 1/step]
\end{tabular} \\
\hline 009 & x16.y16 & ENG & \begin{tabular}{l}
[0x00000000 to 0xFFFFFFFFF / \\
0x00000000 / 1/step]
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{4947} & \multicolumn{3}{|l|}{[Base Gamma Ctrl Pt: Photo Y]} \\
\hline & \multicolumn{3}{|l|}{-} \\
\hline 001 & N.K.x1.y1 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 002 & x2.y2.x3.y3 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 003 & x4.y4.x5.y5 & ENG & \begin{tabular}{l}
[0x00000000 to 0xFFFFFFFFF / \\
0x00000000 / 1/step]
\end{tabular} \\
\hline 004 & x6.y6.x7.y7 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 005 & x8.y8.x9.y9 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 006 & x10.y10.x11.y11 & ENG & [0x00000000 to 0xFFFFFFFF / 0x00000000 / 1/step] \\
\hline 007 & x12.y12.x13.y13 & ENG & \begin{tabular}{l}
[0x00000000 to 0xFFFFFFFFF / \\
0x00000000 / 1/step]
\end{tabular} \\
\hline 008 & x14.y14.x15.y15 & ENG & \begin{tabular}{l}
[0x00000000 to 0xFFFFFFFFF / \\
0x00000000 / 1/step]
\end{tabular} \\
\hline 009 & x16.y16 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|r|r|r|l|}
\hline \multirow{2}{*}{4948} & \multicolumn{2}{|l|}{} \\
\cline { 2 - 4 } & [ACC Execute Time:Present] \\
\hline 001 & \(\mathrm{yy} / \mathrm{mm} / \mathrm{dd}\) & ENG & \begin{tabular}{l}
{\([0 \times 00000000\) to 0xFFFFFFFF / } \\
\(0 \times 00000000 / 1 /\) step \(]\)
\end{tabular} \\
\hline 002 & \(\mathrm{hh} / \mathrm{mm} / \mathrm{ss}\) & ENG & \begin{tabular}{l}
{\([0 x 00000000\) to 0xFFFFFFFF / } \\
\(0 \times 00000000 / 1 /\) step \(]\)
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{2}{*}{4949} & \multicolumn{3}{|l|}{} \\
\cline { 2 - 4 } & [ACC Execute Time:Previous] \\
\hline 001 & \(\mathrm{yy} / \mathrm{mm} / \mathrm{dd}\) & ENG & \begin{tabular}{l}
{\([0 x 00000000\) to 0xFFFFFFFF / } \\
\(0 \times 00000000 ~ / ~ 1 / s t e p]\)
\end{tabular} \\
\hline 002 & \(\mathrm{hh} / \mathrm{mm} / \mathrm{ss}\) & ENG & \begin{tabular}{l}
{\([0 x 00000000\) to 0xFFFFFFFF / } \\
\(0 \times 00000000 / 1 /\) step \(]\)
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 4954 & \multicolumn{3}{|l|}{[Restore Test Chart]} \\
\hline & Chromaticity Rank & ENG & [0 to 255 / 0 / 1/step] \\
\hline 005 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Correct dispersion of scanner reading value among same models, based on the Color degree rank setting value of Scanner (front side).(Setting value0: \\
Correction OFF)
\end{tabular}} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 4958 & \multicolumn{3}{|l|}{[Restore Test Chart: Rear]} \\
\hline & Chromaticity Rank & ENG & [ 0 to 255 / 0 / 1/step] \\
\hline 005 & \multicolumn{3}{|l|}{Correct dispersion of scanner reading value among same models, based on the Color degree rank setting value of Scanner (rear side).(Setting value0: Correction OFF)} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{4960} & \multicolumn{3}{|l|}{[BaseGamma Ctrl Pt:Def:TxtK]} \\
\hline & \multicolumn{3}{|l|}{-} \\
\hline 001 & N K x1 y1 & ENG & \begin{tabular}{l}
[0x00000000 to 0xFFFFFFFFF / \\
0x00000000 / 1/step]
\end{tabular} \\
\hline 002 & x2 y2 x3 y3 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 003 & x4 y 4 x y 5 & ENG & \begin{tabular}{l}
[0x00000000 to 0xFFFFFFFFF / \\
0x00000000 / 1/step]
\end{tabular} \\
\hline 004 & x6 y6 x7 y7 & ENG & [ \(0 \times 00000000\) to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 005 & x8 y8 x9 y9 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 006 & x10 y10 x11 y11 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 007 & x12 y12 x13 y13 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 008 & x14 y14 x15 y15 & ENG & \begin{tabular}{l}
[0x00000000 to 0xFFFFFFFFF / \\
0x00000000 / 1/step]
\end{tabular} \\
\hline 009 & x16 y16 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{4961} & \multicolumn{3}{|l|}{[BaseGamma Ctrl Pt:Def:TxtC]} \\
\hline & \multicolumn{3}{|l|}{-} \\
\hline 001 & N K x1 y1 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 002 & x2 y 2 x y 3 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 003 & x4 y \(4 \times 5 \mathrm{y} 5\) & ENG & \begin{tabular}{l}
[0x00000000 to 0xFFFFFFFFF / \\
0x00000000 / 1/step]
\end{tabular} \\
\hline 004 & x6 y6 x7 y7 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 005 & x8 y8 x9 y9 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 006 & x10 y10 x11 y11 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 007 & \(\mathrm{x} 12 \mathrm{y} 12 \times 13 \mathrm{y} 13\) & ENG & \begin{tabular}{l}
[0x00000000 to 0xFFFFFFFFF / \\
0x00000000 / 1/step]
\end{tabular} \\
\hline 008 & x14 y14 x15 y15 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 009 & x16 y16 & ENG & \begin{tabular}{l}
[0x00000000 to 0xFFFFFFFFF / \\
0x00000000 / 1/step]
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|r|r|r|l|}
\hline \multirow{2}{*}{4962} & \multicolumn{3}{|l|}{} \\
\hline & [BaseGamma Ctrl Pt:Def:TxtM] \\
\hline 001 & N K x1 y1 & ENG & \begin{tabular}{l}
{\([0 \times 00000000\) to 0xFFFFFFFF / } \\
\(0 \times 00000000 / 1 /\) step \(]\)
\end{tabular} \\
\hline 002 & \(\times 2\) y2 x3 y3 & ENG & \begin{tabular}{l}
{\([0 \times 00000000\) to 0xFFFFFFFF / } \\
\(0 \times 00000000 / 1 /\) step \(]\)
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{3}{*}{4964} & \multicolumn{3}{|l|}{ [BaseGamma Ctrl Pt:Def:PhotoK] } \\
\cline { 2 - 4 } & - & ENG & \begin{tabular}{l}
{\([0 \times 00000000\) to 0xFFFFFFFF / } \\
\(0 \times 00000000 / 1 /\) step \(]\)
\end{tabular} \\
\hline 009 & \(\times 16\) y16 &
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{4965} & \multicolumn{3}{|l|}{[BaseGamma Ctrl Pt:Def:PhotoC]} \\
\hline & \multicolumn{3}{|l|}{-} \\
\hline 001 & N K x1 y1 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 002 & x2 y 2 x y 3 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 003 & \(x 4\) y 4 x y 5 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 004 & x6 y6 x 7 y 7 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 005 & x8 y8 x9 y9 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 006 & x10 y10 x11 y11 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 007 & x12 y12 x13 y13 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 008 & x14 y14 x15 y15 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 009 & x16 y16 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{4966} & \multicolumn{3}{|l|}{[BaseGamma Ctrl Pt:Def:PhotoM]} \\
\hline & \multicolumn{3}{|l|}{-} \\
\hline 001 & N K x1 y1 & ENG & [0x00000000 to 0xFFFFFFFF / 0x00000000 / 1/step] \\
\hline 002 & x2 y2 x3 y3 & ENG & \begin{tabular}{l}
[0x00000000 to 0xFFFFFFFFF / \\
0x00000000 / 1/step]
\end{tabular} \\
\hline 003 & \(x 4\) y \(4 \times 5 \mathrm{y} 5\) & ENG & \begin{tabular}{l}
[0x00000000 to 0xFFFFFFFFF / \\
0x00000000 / 1/step]
\end{tabular} \\
\hline 004 & x6 y6 x7 y7 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 005 & x8 y8 x9 y9 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 006 & x10 y10 x11 y11 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 007 & x12 y12 x13 y13 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 008 & x14 y14 x15 y15 & ENG & \begin{tabular}{l}
[0x00000000 to 0xFFFFFFFFF / \\
0x00000000 / 1/step]
\end{tabular} \\
\hline 009 & x16 y16 & ENG & \begin{tabular}{l}
[0x00000000 to 0xFFFFFFFFF / \\
0x00000000 / 1/step]
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{4967} & \multicolumn{3}{|l|}{[BaseGamma Ctrl Pt:Def:PhotoY]} \\
\hline & \multicolumn{3}{|l|}{-} \\
\hline 001 & N K x1 y1 & ENG & \begin{tabular}{l}
[0x00000000 to 0xFFFFFFFF / \\
0x00000000 / 1/step]
\end{tabular} \\
\hline 002 & x2 y 2 x 3 y & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 003 & x4 y \(4 \times 5 \mathrm{y} 5\) & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 004 & x6 y6 x7 y7 & ENG & \begin{tabular}{l}
[0x00000000 to 0xFFFFFFFF / \\
0x00000000 / 1/step]
\end{tabular} \\
\hline 005 & x8 y8 x9 y9 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 006 & x10 y10 x11 y11 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 007 & x12 y12 x13 y13 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 008 & x14 y14 x15 y15 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 009 & x16 y16 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{4970} & \multicolumn{3}{|l|}{[Base Gamma Ctrl Pt:Prev:TxtK]} \\
\hline & \multicolumn{3}{|l|}{-} \\
\hline 001 & N K x1 y1 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 002 & x2 y 2 x y 3 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 003 & \(x 4\) y \(4 \times 5 \mathrm{y} 5\) & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 004 & x6 y6 x7 y 7 & ENG & \begin{tabular}{l}
[0x00000000 to 0xFFFFFFFFF / \\
0x00000000 / 1/step]
\end{tabular} \\
\hline 005 & x8 y 8 x9 y9 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 006 & x10 y10 x11 y11 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 007 & x12 y12 x13 y13 & *ENG & \begin{tabular}{l}
[0x00000000 to 0xFFFFFFFF / \\
0x00000000 / 1/step]
\end{tabular} \\
\hline 008 & x14 y14 x15 y15 & *ENG & \begin{tabular}{l}
[0x00000000 to 0xFFFFFFFFF / \\
0x00000000 / 1/step]
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|l|}
\hline 009 & \(\times 16\) y16 & *ENG & \begin{tabular}{l}
{\([0 \times 00000000\) to 0xFFFFFFFF / } \\
\(0 \times 00000000 / 1 /\) step \(]\)
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{4971} & \multicolumn{3}{|l|}{[Base Gamma Ctrl Pt:Prev:TxtC]} \\
\hline & \multicolumn{3}{|l|}{-} \\
\hline 001 & N K x1 y1 & ENG & \begin{tabular}{l}
[0x00000000 to 0xFFFFFFFFF / \\
0x00000000 / 1/step]
\end{tabular} \\
\hline 002 & x2 y 2 x y 3 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 003 & \(\mathrm{x} 4 \mathrm{y} 4 \times 5 \mathrm{y} 5\) & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 004 & x6 y6 x7 y7 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 005 & x8 y8 x9 y9 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 006 & x10 y10 x11 y11 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 007 & x12 y12 x13 y13 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 008 & x14 y14 x15 y15 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 009 & x16 y16 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{4972} & \multicolumn{3}{|l|}{[Base Gamma Ctrl Pt:Prev:TxtM]} \\
\hline & \multicolumn{3}{|l|}{-} \\
\hline 001 & N K x1 y1 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 002 & x2 y2 x3 y3 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 003 & x 4 y 4 x 5 y 5 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 004 & x6 y6 x7 y7 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 005 & x8 y8 x9 y9 & ENG & \begin{tabular}{l}
[0x00000000 to 0xFFFFFFFFF / \\
0x00000000 / 1/step]
\end{tabular} \\
\hline 006 & x10 y10 x11 y11 & ENG & \begin{tabular}{l}
[0x00000000 to 0xFFFFFFFF / \\
0x00000000 / 1/step]
\end{tabular} \\
\hline 007 & x12 y12 x13 y13 & ENG & \begin{tabular}{l}
[0x00000000 to 0xFFFFFFFFF / \\
0x00000000 / 1/step]
\end{tabular} \\
\hline 008 & x14 y14 x15 y15 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 009 & x16 y16 & ENG & \begin{tabular}{l}
[0x00000000 to 0xFFFFFFFF / \\
0x00000000 / 1/step]
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{4973} & \multicolumn{3}{|l|}{[Base Gamma Ctrl Pt:Prev:TxtY]} \\
\hline & \multicolumn{3}{|l|}{-} \\
\hline 001 & N K x1 y1 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 002 & x2 y 2 x y 3 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 003 & x4 y 4 x y 5 & *ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 004 & x6 y6 x7 y 7 & *ENG & \begin{tabular}{l}
[0x00000000 to 0xFFFFFFFF / \\
0x00000000 / 1/step]
\end{tabular} \\
\hline 005 & x8 y8 x9 y9 & *ENG & \begin{tabular}{l}
[0x00000000 to 0xFFFFFFFFF / \\
0x00000000 / 1/step]
\end{tabular} \\
\hline 006 & x10 y10 x11 y11 & *ENG & \begin{tabular}{l}
[0x00000000 to 0xFFFFFFFFF / \\
0x00000000 / 1/step]
\end{tabular} \\
\hline 007 & x12 y12 x13 y13 & *ENG & [0x00000000 to 0xFFFFFFFF / 0x00000000 / 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|l|l|l|}
\hline 008 & \(\times 14\) y14 x15 y15 & *ENG & \begin{tabular}{l}
{\([0 \times 00000000\) to 0xFFFFFFFF / } \\
\(0 \times 00000000 / 1 /\) step \(]\)
\end{tabular} \\
\hline 009 & \(x 16\) y16 & *ENG & \begin{tabular}{l}
{\([0 \times 00000000\) to 0xFFFFFFFF / } \\
\(0 \times 00000000 / 1 /\) step \(]\)
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{4974} & \multicolumn{3}{|l|}{[Base Gamma Ctrl Pt:Prev:PhotoK]} \\
\hline & \multicolumn{3}{|l|}{-} \\
\hline 001 & N K x1 y1 & *ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 002 & x2 y 2 x y 3 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 003 & x4 y \(4 \times 5 \mathrm{y} 5\) & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 004 & x6 y6 x7 y7 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 005 & x8 y 8 x9 y9 & ENG & \begin{tabular}{l}
[0x00000000 to 0xFFFFFFFFF / \\
0x00000000 / 1/step]
\end{tabular} \\
\hline 006 & x10 y10 x11 y11 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 007 & x12 y12 x13 y13 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 008 & x14 y14 x15 y15 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 009 & x16 y16 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{4975} & \multicolumn{3}{|l|}{[Base Gamma Ctrl Pt:Prev:PhotoC]} \\
\hline & \multicolumn{3}{|l|}{-} \\
\hline 001 & N K x1 y1 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 002 & x2 y2 x3 y3 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 003 & \(x 4\) y \(4 \times 5 \mathrm{y} 5\) & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 004 & x6 y6 x7 y7 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 005 & x8 y 8 x9 y9 & ENG & \begin{tabular}{l}
[0x00000000 to 0xFFFFFFFFF / \\
0x00000000 / 1/step]
\end{tabular} \\
\hline 006 & x10 y10 x11 y11 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 007 & x12 y12 x13 y13 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 008 & x14 y14 x15 y15 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 009 & x16 y16 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{4976} & \multicolumn{3}{|l|}{[Base Gamma Ctrl Pt:Prev:PhotoM]} \\
\hline & \multicolumn{3}{|l|}{-} \\
\hline 001 & N K x1 y1 & ENG & \begin{tabular}{l}
[0x00000000 to 0xFFFFFFFFF / \\
0x00000000 / 1/step]
\end{tabular} \\
\hline 002 & x2 y 2 x y 3 & ENG & \begin{tabular}{l}
[0x00000000 to 0xFFFFFFFFF / \\
0x00000000 / 1/step]
\end{tabular} \\
\hline 003 & \(x 4 \mathrm{y} 4 \times 5 \mathrm{y} 5\) & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 004 & x6 y6 x7 y7 & ENG & \begin{tabular}{l}
[0x00000000 to 0xFFFFFFFF / \\
0x00000000 / 1/step]
\end{tabular} \\
\hline 005 & x8 y 8 x9 y9 & ENG & \begin{tabular}{l}
[0x00000000 to 0xFFFFFFFFF / \\
0x00000000 / 1/step]
\end{tabular} \\
\hline 006 & x10 y10 x11 y11 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 007 & x12 y12 x13 y13 & ENG & \begin{tabular}{l}
[0x00000000 to 0xFFFFFFFFF / \\
0x00000000 / 1/step]
\end{tabular} \\
\hline 008 & x14 y14 x15 y15 & ENG & \begin{tabular}{l}
[0x00000000 to 0xFFFFFFFFF / \\
0x00000000 / 1/step]
\end{tabular} \\
\hline 009 & x16 y16 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{4977} & \multicolumn{3}{|l|}{[Base Gamma Ctrl Pt:Prev:PhotoY]} \\
\hline & \multicolumn{3}{|l|}{-} \\
\hline 001 & N K x1 y1 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 002 & x2 y 2 x y 3 & ENG & \begin{tabular}{l}
[0x00000000 to 0xFFFFFFFFF / \\
0x00000000 / 1/step]
\end{tabular} \\
\hline 003 & x4 y \(4 \times 5 \mathrm{y} 5\) & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 004 & x6 y6 x7 y7 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 005 & x8 y8 x9 y9 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 006 & x10 y10 x11 y11 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 007 & x12 y12 x13 y13 & ENG & \begin{tabular}{l}
[0x00000000 to 0xFFFFFFFFF / \\
0x00000000 / 1/step]
\end{tabular} \\
\hline 008 & x14 y14 x15 y15 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|l|}
\hline 009 & \(\times 16\) y16 & *ENG & \begin{tabular}{l}
{\([0 \times 00000000\) to 0xFFFFFFFF / } \\
\(0 \times 00000000 / 1 /\) step \(]\)
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{4980} & \multicolumn{3}{|l|}{[IBACC Gamma Ctrl Pt: K]} \\
\hline & \multicolumn{3}{|l|}{-} \\
\hline 001 & N.K.x1.y1 & *ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 002 & x2.y2.x3.y3 & ENG & \begin{tabular}{l}
[0x00000000 to 0xFFFFFFFFF / \\
0x00000000 / 1/step]
\end{tabular} \\
\hline 003 & x4.y4.x5.y5 & ENG & \begin{tabular}{l}
[0x00000000 to 0xFFFFFFFFF / \\
0x00000000 / 1/step]
\end{tabular} \\
\hline 004 & x6.y6.x7.y7 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 005 & x8.y8.x9.y9 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 006 & x10.y10.x11.y11 & *ENG & \begin{tabular}{l}
[0x00000000 to 0xFFFFFFFFF / \\
0x00000000 / 1/step]
\end{tabular} \\
\hline 007 & x12.y12.x13.y13 & *ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 008 & x14.y14.x15.y15 & *ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 009 & x16.y16 & *ENG & \begin{tabular}{l}
[0x00000000 to 0xFFFFFFFFF / \\
0x00000000 / 1/step]
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{4981} & \multicolumn{3}{|l|}{[IBACC Gamma Ctrl Pt: C]} \\
\hline & \multicolumn{3}{|l|}{-} \\
\hline 001 & N.K.x1.y1 & *ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 002 & x2.y2.x3.y3 & *ENG & \begin{tabular}{l}
[0x00000000 to 0xFFFFFFFFF / \\
0x00000000 / 1/step]
\end{tabular} \\
\hline 003 & x4.y4.x5.y5 & *ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 004 & x6.y6.x7.y7 & *ENG & \begin{tabular}{l}
[0x00000000 to 0xFFFFFFFFF / \\
0x00000000 / 1/step]
\end{tabular} \\
\hline 005 & x8.y8.x9.y9 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 006 & x10.y10.x11.y11 & *ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 007 & x12.y12.x13.y13 & *ENG & \([0 \times 00000000\) to \(0 x F F F F F F F F /\)
\(0 \times 00000000 / 1 /\) step] \\
\hline 008 & x14.y14.x15.y15 & ENG & \begin{tabular}{l}
[0x00000000 to 0xFFFFFFFFF / \\
0x00000000 / 1/step]
\end{tabular} \\
\hline 009 & x16.y16 & ENG & \begin{tabular}{l}
[0x00000000 to 0xFFFFFFFFF / \\
0x00000000 / 1/step]
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{4982} & \multicolumn{3}{|l|}{[IBACC Gamma Ctrl Pt: M]} \\
\hline & \multicolumn{3}{|l|}{-} \\
\hline 001 & N.K.x1.y1 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 002 & x2.y2.x3.y3 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 003 & x4.y4.x5.y5 & *ENG & \begin{tabular}{l}
[0x00000000 to 0xFFFFFFFFF / \\
0x00000000 / 1/step]
\end{tabular} \\
\hline 004 & x6.y6.x7.y7 & *ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 005 & x8.y8.x9.y9 & *ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 006 & x10.y10.x11.y11 & *ENG & [0x00000000 to 0xFFFFFFFF / 0x00000000 / 1/step] \\
\hline 007 & x12.y12.x13.y13 & *ENG & \begin{tabular}{l}
[0x00000000 to 0xFFFFFFFFF / \\
0x00000000 / 1/step]
\end{tabular} \\
\hline 008 & x14.y14.x15.y15 & *ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 009 & x16.y16 & *ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{4983} & \multicolumn{3}{|l|}{[IIBACC Gamma Ctrl Pt: Y]} \\
\hline & \multicolumn{3}{|l|}{} \\
\hline 001 & N.K.x1.y1 & *ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 002 & x2.y2.x3.y3 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 003 & x4.y4.x5.y5 & *ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 004 & x6.y6.x7.y7 & *ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 005 & x8.y8.x9.y9 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 006 & x10.y10.x11.y11 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 007 & x12.y12.x13.y13 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 008 & x14.y14.x15.y15 & ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline 009 & x16.y16 & *ENG & [0x00000000 to 0xFFFFFFFFF / 0x00000000 / 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{4984} & \multicolumn{3}{|l|}{[IBACC Target Den]} \\
\hline & \multicolumn{3}{|l|}{Sets reflecting rate (0 to 10 ) of copy IBACC correction against \(\mathrm{K}, \mathrm{C}, \mathrm{M}, \mathrm{Y}\) plate. As value enlarges, reflecting rate increases. Copy IBACC correction will not be done when setting to 0 .} \\
\hline 001 & IBACC notch K & *ENG & \multirow{4}{*}{[0 to 10 / 5 / 1/step]} \\
\hline 002 & IBACC notch C & *ENG & \\
\hline 003 & IBACC notch M & *ENG & \\
\hline 004 & IBACC notch \(Y\) & *ENG & \\
\hline
\end{tabular}
\begin{tabular}{|r|r|r|l|}
\hline 4990 & \multicolumn{3}{|l|}{} \\
\cline { 2 - 4 } & [IPU Memory Access] & \\
\hline 001 & - & *ENG & \begin{tabular}{l}
{\([0 \times 000000\) to 0xFFFFFF / } \\
\(0 \times 000000 /-/\) step \(]\)
\end{tabular} \\
\hline 002 & Address Setting & *ENG & \begin{tabular}{l}
{\([0 \times 000000\) to 0xFFFFFFFF / } \\
\(0 \times 000000 /-/\) step \(]\)
\end{tabular} \\
\hline 003 & Data Setting & *ENG & \begin{tabular}{l}
{\([0 \times 000000\) to 0x000000 / 0x000000 } \\
/ - /step]
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{2}{*}{4991} & \multicolumn{3}{|l|}{} \\
\cline { 2 - 4 } & [IPU Memory Access \(]\) & \\
\hline 001 & RGB Frame Memory & ENG & {\([0\) to 19 / \(2 / 1 /\) step \(]\)} \\
\hline 002 & Filter test output & *ENG & {\([0\) to \(28 / 24 / 1 /\) step \(]\)} \\
\hline 003 & Data Setting & *ENG & {\([0\) to \(15 / \mathbf{1} / 1 /\) step \(]\)} \\
\hline 004 & Filter CPR output & ENG & {\([0\) to \(15 / 0 / 1 /\) step \(]\)} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 4993 & \multicolumn{3}{|l|}{[High Light Correction]} \\
\hline 001 & Sensitivity Selection & *ENG & \begin{tabular}{l}
[0 to 9 / 4 / 1/step] \\
0 : Weak \\
9: Strong
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Sets detect sensitivity for full color auto density. Larger the value, weaker (less background tracking) the sensitivity.} \\
\hline 002 & Range Selection & *ENG & \begin{tabular}{l}
[0 to 9 / 4 / 1/step] \\
0: Weak \\
9: Strong
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Sets detect area for full color auto density. Larger the value, wider the area.} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline 4994 & \multicolumn{4}{|l|}{ [Adj Txt/Photo Recog Level] } \\
\hline \multirow{3}{*}{001} & High Compression PDF & *ENG & [0 to 2 / 1 / 1/step] \\
\cline { 2 - 4 } & \begin{tabular}{l} 
Adjusts the guide for recognize images text area and image area. Settings are \\
0: textish, 1: basic 2:imageish
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|l|}
\hline \multirow{2}{*}{4996} & \multicolumn{4}{|l|}{ [White Paper Detection Level] } \\
\hline \multirow{3}{*}{001} & - & *ENG & {\([0\) to \(6 / 3 / 1 /\) step \(]\)} \\
\cline { 2 - 4 } & Sets blank paper detect level. Larger the value, easier detecting. \\
\hline
\end{tabular}

\subsection*{2.7 MAIN SP TABLES-5}

\subsection*{2.7.1 SP5-XXX (MODE)}
\begin{tabular}{|c|l|l|l|}
\hline & \multicolumn{1}{|l|}{ [Add Display Language] } \\
\cline { 2 - 4 } & \begin{tabular}{l} 
Adds language available in user choice. (Only the languages registered in the \\
machine) \\
Refer to the displayed language list to set in the way showed below. \\
List Number Assigned Bit Switch
\end{tabular} \\
\begin{tabular}{l} 
No.1 to 8 BIT1 to 8 (SP5009-201)
\end{tabular} \\
\begin{tabular}{l} 
No.9 to 16BIT1 to 8 (SP5009-202) \\
No.17 to 24BIT1 to 8 (SP5009-203) \\
No.25 to 32BIT1 to 8 (SP5009-204) \\
Example: To add American(No.3 in the list) or Czech (No.15) \\
Turn Bit 3 of "SP5009-201" 0 to 1 for American. \\
Turn Bit 7 of "SP5009-202" 0 to 1 for Czech. \\
After setting, turn the main power switch off and on to make the setting valid.
\end{tabular} \\
\hline 201 & Bit SW & *CTL & [1 to 255 / 0 / 1/step] \\
\hline 202 & Bit SW & *CTL & [1 to 255 / 0 / 1/step] \\
\hline 203 & Bit SW & *CTL & [1 to 255 / 0 / 1/step] \\
\hline 204 & Bit SW & "CTL to 255 / 0 / 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|l|}
\hline \multirow{3}{*}{5024} & \multicolumn{3}{|l|}{ [mm/inch Display Selection] } \\
\cline { 2 - 4 } & \multicolumn{3}{|l|}{ Display units (mm or inch) for custom paper sizes. } \\
\hline 001 & \(0: \mathrm{mm}\) 1:inch & *CTL & \begin{tabular}{l}
{\([0\) or \(1 / 1\) (USA), 0(Others) / } \\
\(1 /\) step] \\
\(0: \mathrm{mm}\) \\
\(1:\) inch
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{5045} & \multicolumn{3}{|l|}{[Accounting counter]} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Selects the counting method. \\
Note \\
- Do not change the counter method except contract reason
\end{tabular}} \\
\hline 001 & Counter Method & *CTL & \begin{tabular}{l}
[0 to 7 / 1 / step] \\
0: Developments \\
1: Prints \\
2: Coverage \\
7: Coverage (YMC)
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline \multirow{2}{*}{5047} & \multicolumn{2}{|l|}{[Paper Display]} \\
\hline & \multicolumn{2}{|l|}{Turns on or off the printed paper display on the LCD.} \\
\hline 001 & *CTL & \[
\begin{aligned}
& {[0 \text { or } 1 / 0 / 1 / \text { step }]} \\
& 0: \text { OFF } \\
& 1: \text { ON }
\end{aligned}
\] \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{3}{*}{5051} & \multicolumn{3}{|l|}{ [TonerRefillDisplay] } \\
\cline { 2 - 4 } & \multicolumn{2}{|l|}{ Enables or disables the toner refill detection display. } \\
\hline 001 & - & *CTL & \begin{tabular}{l} 
[0 or 1/0 / 1/step \(]\) \\
0: ON \\
\(1: ~ O F F ~\)
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{3}{*}{5055} & \multicolumn{3}{|l|}{ [Display IP Address] } \\
\cline { 2 - 4 } & \multicolumn{3}{|l|}{ Display or does not display the IP address on the operation panel. }
\end{tabular}
\begin{tabular}{|r|r|r|l|}
\hline \multirow{3}{*}{5061} & \multicolumn{3}{|l|}{ [Toner Remaining Icon Display Change] } \\
\cline { 2 - 4 } & \multicolumn{3}{|l|}{ Display or does not display the remaining toner display icon on the LCD. } \\
\hline 001 & - & *CTL & \begin{tabular}{l} 
[0 or 1/0 / 1/step] \\
0: Not display \\
\(1: ~ D i s p l a y ~\)
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{5062} & \multicolumn{3}{|l|}{[Parts Replacement Alert Display]} \\
\hline & \multicolumn{3}{|l|}{Display or does not display the PM part yield on the LCD.} \\
\hline 002 & \#Drum unit:Bk & *CTL & \begin{tabular}{l}
[0 or \(1 / 0\) / 1/step] \\
0 : Not display \\
1: Display
\end{tabular} \\
\hline 003 & \#Development unit:Bk & *CTL & \begin{tabular}{l}
[ 0 or \(1 / 0 / 1 /\) step] \\
0 : Not display \\
1: Display
\end{tabular} \\
\hline 025 & \#Drum unit :C & *CTL & \begin{tabular}{l}
[ 0 or \(1 / 0\) / 1/step] \\
0 : Not display \\
1: Display
\end{tabular} \\
\hline 026 & \#Development unit:C & *CTL & \begin{tabular}{l}
[ 0 or 1 / 0 / 1/step] \\
0 : Not display \\
1: Display
\end{tabular} \\
\hline 048 & \#Drum unit :M & *CTL & \begin{tabular}{l}
[ 0 or \(1 / 0\) / 1/step] \\
0 : Not display \\
1: Display
\end{tabular} \\
\hline 049 & Development unit:M & *CTL & \begin{tabular}{l}
[ 0 or 1 / 0 / 1/step] \\
0 : Not display \\
1: Display
\end{tabular} \\
\hline 071 & \#Drum unit:Y & *CTL & \begin{tabular}{l}
[ 0 or 1 / 0 / 1/step] \\
0 : Not display \\
1: Display
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 072 & \#Development unit:Y & *CTL & \begin{tabular}{l}
[ 0 or \(1 / 0\) / 1/step] \\
0 : Not display \\
1: Display
\end{tabular} \\
\hline 093 & Image Transfer Unit & *CTL & \begin{tabular}{l}
[ 0 or \(1 / 0 / 1 /\) step] \\
0 : Not display \\
1: Display
\end{tabular} \\
\hline 102 & Image Transfer Cleaning Unit & *CTL & \begin{tabular}{l}
[ 0 or \(1 / 0 / 1 /\) step] \\
0 : Not display \\
1: Display
\end{tabular} \\
\hline 109 & Paper Transfer Roller Unit & *CTL & \begin{tabular}{l}
[ 0 or \(1 / 0\) / 1/step] \\
0 : Not display \\
1: Display
\end{tabular} \\
\hline 115 & Fusing unit & *CTL & \begin{tabular}{l}
[ 0 or \(1 / 0\) / 1/step] \\
0 : Not display \\
1: Display
\end{tabular} \\
\hline 116 & Fusing Roller unit & *CTL & \begin{tabular}{l}
[ 0 or 1 / 0 / 1/step] \\
0 : Not display \\
1: Display
\end{tabular} \\
\hline 118 & Pressure Roller & *CTL & \begin{tabular}{l}
[ 0 or \(1 / 0\) / 1/step] \\
0 : Not display \\
1: Display
\end{tabular} \\
\hline 131 & Filter Ozone Duct & *CTL & \begin{tabular}{l}
[ 0 or \(1 / 0 / 1 /\) step] \\
0 : Not display \\
1: Display
\end{tabular} \\
\hline 132 & Filter Heat Exhaust Duct & *CTL & \begin{tabular}{l}
[ 0 or \(1 / 0\) / 1/step] \\
0 : Not display \\
1: Display
\end{tabular} \\
\hline 142 & Wast Toner bottle & *CTL & \begin{tabular}{l}
[ 0 or \(1 / 0\) / 1/step] \\
0 : Not display \\
1: Display
\end{tabular} \\
\hline 206 & ADF Pick-up Roller & *CTL & \begin{tabular}{l}
[ 0 or \(1 / 0\) / 1/step] \\
0 : Not display \\
1: Display
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|l|}
\hline 207 & ADF Transfer Belt & *CTL & \begin{tabular}{l} 
[0 or \(1 / 0 / 1 /\) step \(]\) \\
\(0:\) Not display \\
\(1:\) Display
\end{tabular} \\
\hline 208 & ADF Separation Roller & *CTL & \begin{tabular}{l}
{\([0\) or \(1 / 0 / 1 /\) step \(]\)} \\
\(0:\) Not display \\
\(1:\) Display
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline \multirow{2}{*}{5066} & \multicolumn{2}{|l|}{[PM Parts Display]} \\
\hline & \multicolumn{2}{|l|}{Display or does not display the "PM parts" button on the LCD.} \\
\hline 001 & *CTL & \begin{tabular}{l}
[ 0 or 1 / 0 / 1/step] \\
0 : Not display \\
1: Display
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{5067} & \multicolumn{3}{|l|}{[Part Replacement Operation Type]} \\
\hline & \multicolumn{3}{|l|}{Selects the service maintenance or user maintenance for each PM parts. If the user service is selected, PM alert is displayed on the LCD} \\
\hline 002 & \#Drum unit:Bk & *CTL & \begin{tabular}{l}
[ 0 or 1 / 0 / 1/step] \\
0 : Service \\
1: User
\end{tabular} \\
\hline 003 & \#Development unit:Bk & *CTL & \begin{tabular}{l}
[0 or 1 / 0 / 1/step] \\
0 : Service \\
1: User
\end{tabular} \\
\hline 025 & \#Drum unit:C & *CTL & \begin{tabular}{l}
[0 or 1 / 0 / 1/step] \\
0: Service \\
1: User
\end{tabular} \\
\hline 026 & \#Development unit:C & *CTL & \begin{tabular}{l}
[ 0 or \(1 / 0 / 1 /\) step] \\
0: Service \\
1: User
\end{tabular} \\
\hline 048 & \#Drum unit:M & *CTL & \begin{tabular}{l}
[ 0 or \(1 / 0 / 1 /\) step] \\
0 : Service \\
1: User
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 049 & Development unit:M & *CTL & \begin{tabular}{l}
[ 0 or \(1 / 0\) / 1/step] \\
0 : Service \\
1: User
\end{tabular} \\
\hline 071 & \#Drum unit:Y & *CTL & \begin{tabular}{l}
[ 0 or \(1 / 0 / 1 /\) step] \\
0 : Service \\
1: User
\end{tabular} \\
\hline 072 & \#Development unit:Y & *CTL & \begin{tabular}{l}
[ 0 or \(1 / 0\) / 1/step] \\
0 : Service \\
1: User
\end{tabular} \\
\hline 093 & Image Transfer Unit & *CTL & \begin{tabular}{l}
[0 or 1 / 0 / 1/step] \\
0 : Service \\
1: User
\end{tabular} \\
\hline 102 & Image Transfer Cleaning Unit & *CTL & \begin{tabular}{l}
[0 or 1 / 0 / 1/step] \\
0: Service \\
1: User
\end{tabular} \\
\hline 109 & Paper Transfer Roller Unit & *CTL & \begin{tabular}{l}
[ 0 or 1 / 0 / 1/step] \\
0: Service \\
1: User
\end{tabular} \\
\hline 115 & Fusing unit & *CTL & \begin{tabular}{l}
[ 0 or \(1 / 0\) / 1/step] \\
0: Service \\
1: User
\end{tabular} \\
\hline 116 & Fusing Roller unit & *CTL & \begin{tabular}{l}
[ 0 or 1 / 0 / 1/step] \\
0 : Service \\
1: User
\end{tabular} \\
\hline 118 & Pressure Roller & *CTL & \begin{tabular}{l}
[0 or 1 / 0 / 1/step] \\
0: Service \\
1: User
\end{tabular} \\
\hline 131 & Filter Ozone Duct & *CTL & \begin{tabular}{l}
[ 0 or \(1 / 0 / 1 /\) step] \\
0: Service \\
1: User
\end{tabular} \\
\hline 132 & Filter Heat Exhaust Duct & *CTL & \begin{tabular}{l}
[0 or 1 / 0 / 1/step] \\
0: Service \\
1: User
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 142 & Wast Toner bottle & *CTL & \begin{tabular}{l}
[ 0 or \(1 / 0\) / 1/step] \\
0 : Service \\
1: User
\end{tabular} \\
\hline 206 & ADF Pick-up Roller & *CTL & \begin{tabular}{l}
[ 0 or \(1 / 0\) / 1/step] \\
0: Service \\
1: User
\end{tabular} \\
\hline 207 & ADF Transfer Belt & *CTL & \begin{tabular}{l}
[ 0 or \(1 / 0\) / 1/step] \\
0 : Service \\
1: User
\end{tabular} \\
\hline 208 & ADF Separation Roller & *CTL & \begin{tabular}{l}
[ 0 or \(1 / 0\) / 1/step] \\
0: Service \\
1: User
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{3}{*}{5071} & \multicolumn{3}{|l|}{ [Set Bypass Paper Size Display] } \\
\cline { 2 - 4 } & \multicolumn{1}{|l|}{\begin{tabular}{l} 
Turn on or off the paper size confirmation pop-up on the LED. This pop-up \\
prevents mismatching between a paper size selected by the operation panel \\
and an actual paper size on the by-pass tray.
\end{tabular}} \\
\hline 001 & - & CTL & \begin{tabular}{l} 
[0 or \(1 / 0 / 1 /\) step \(]\) \\
\(0:\) Off \\
\(1:\) On
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{3}{*}{5073} & \multicolumn{3}{|l|}{ [Supply Part Replacement Opration Type] } \\
\cline { 2 - 4 } & \multicolumn{2}{|l|}{ Selects ether User or Service manages supply parts. } \\
\hline 001 & Waste Tonner Bottle & \(*\) CTL & \begin{tabular}{l} 
[0 or 1/0 / 1/step] \\
0:No Display \\
1:Display
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{5074} & \multicolumn{3}{|l|}{[Home Screen Login]} \\
\hline & \multicolumn{3}{|l|}{Sets the application that appears when the home key is pressed.} \\
\hline 091 & (0:OFF 1:SDK 2:Reserve) & *CTL & \begin{tabular}{l}
[ 0 to \(2 / 0\) / 1/step] \\
0 : Function disable \\
1: SDK application \\
2: Legacy application (reserved)
\end{tabular} \\
\hline \multirow{2}{*}{092} & Product ID & *CTL & [0x00 to 0xffff / - / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets the Application product ID.} \\
\hline \multirow[b]{2}{*}{093} & Application ID & *CTL & [0 to 255 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets the display category of the application that is specified in the SP5075-001,002.} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{3}{*}{5075} & \multicolumn{3}{|l|}{ [USB Keyboard] } \\
\cline { 2 - 4 } & \multicolumn{3}{|l|}{ Sets the function of the external keyboard. } \\
\hline 001 & Function Setting & *CTL & \begin{tabular}{l} 
[0 or 1/0 / 1/step] \\
0: Disable \\
\(1:\) Enable
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{3}{*}{5081} & \multicolumn{3}{|l|}{ [ServiceSP Entery Code Setting] } \\
\cline { 2 - 4 } & DFU \\
\hline 001 & \begin{tabular}{l} 
ServiceSP Entery Code \\
Setting
\end{tabular} & - & - \\
\hline
\end{tabular}
\begin{tabular}{|r|l|c|l|}
\hline \multirow{3}{*}{5083} & \multicolumn{3}{|l|}{ [LED Light Switch Setting] } \\
\cline { 2 - 4 } & \multicolumn{3}{|l|}{ Turns LED lighting ON and OFF at Toner Near End. } \\
\hline 001 & Toner Near End & *CTL & \begin{tabular}{l} 
[0 or 1/1 / 1/step] \\
0: OFF \\
\(1: ~ O N ~\)
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline 5114 & \multicolumn{3}{|l|}{ [Optional Counter I/F] } \\
\hline 001 & MF Key Card Extension & \(*\) CTL & \begin{tabular}{l} 
[0 or 1/0 / 1/step] \\
0: Not installed \\
1: Installed (scanning accounting)
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{3}{*}{5118} & \multicolumn{3}{|l|}{} \\
\cline { 2 - 4 } & [Disable Copying] & \\
\hline 001 & - & \(* \mathrm{CTL}\) & \begin{tabular}{l} 
This program disables copying \(1 / 0 / 1 /\) step \(]\) \\
\(0:\) Not disabled \\
\(1:\) Disabled
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{3}{*}{5120} & \multicolumn{3}{|l|}{ [Mode Clear Opt. Counter Removal] } \\
\cline { 2 - 4 } & \begin{tabular}{l} 
This program updates the information on the optional counter. When you install \\
or remove an optional counter, check the settings.
\end{tabular} \\
\hline 001 & - & \(* \mathrm{CTL}\) & \begin{tabular}{l} 
[0 to \(2 / 0 / 1 /\) step] \\
0: Yes (removed) \\
1: Standby (installed but not used) \\
2: No (not removed)
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{2}{*}{5121} & \multicolumn{2}{|l|}{ [Counter Up Timing] } \\
\cline { 2 - 4 } & \begin{tabular}{l} 
This program specifies when the counter goes up. The settings refer to "paper \\
feed" and "paper exit" respectively.
\end{tabular} \\
\hline 001 & 0:Feed 1:Exit & *CTL & \begin{tabular}{l} 
[0 or 1/0 / 1/step] \\
\(0:\) Feed \\
\(1:\) Exit
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline \multirow{2}{*}{5126} & \multicolumn{2}{|l|}{[Set F-size Document]} \\
\hline & \multicolumn{2}{|l|}{Larger the value, easier the detecting.} \\
\hline 001 & ENG & \[
\begin{aligned}
& \text { [0 to } 2 / 0 / 1 / \text { step] } \\
& \text { 0: } 81 / 2 \times 13 \\
& 1: 81 / 4 \times 13 \\
& \text { 2: } 8 \times 13
\end{aligned}
\] \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{3}{*}{5127} & \multicolumn{3}{|l|}{ [APS Mode] } \\
\cline { 2 - 4 } & \multicolumn{2}{|l|}{ This program disables the APS. } \\
\hline 001 & - & \(* \mathrm{CTL}\) & \begin{tabular}{l} 
[0 or 1/0 / 1/step] \\
0: Not disabled \\
\(1:\) Disabled
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{3}{*}{5131} & \multicolumn{2}{|l|}{ [Paper Size Type Selection] } \\
\cline { 2 - 4 } & \begin{tabular}{l} 
The program selects a paper size system from the following alternatives: the AB \\
system (0), the LT system (1), and the AF system (2).
\end{tabular} \\
\hline 001 & - & *ENG & \begin{tabular}{l} 
[0 to 2 / 1 (NA) , 2 (TW, KOR, EU, \\
CHN, AS) / 1/step] \\
0: JP (Japan) \\
1: NA \\
2: EU
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{5148} & \multicolumn{3}{|l|}{[Size Detection Off]} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
0 : Detect \\
1: Not Detect
\end{tabular}} \\
\hline 001 & - & *CTL & \begin{tabular}{l}
[ 0 or \(1 / 0 / 1 /\) step] \\
0 : OFF \\
1: ON
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{5150} & \multicolumn{3}{|l|}{[Bypass Length Setting]} \\
\hline & \multicolumn{3}{|l|}{Normally the paper length for sub scanning paper from the by-pass tray is limited to 600 mm , but this can be extended with this SP to 1260 mm . Image quality is not assured for the length over 600 mm . When printing/feeding over 600 mm length paper, customization request is required for a customized printer driver.} \\
\hline 001 & 0: OFF 1: ON & CTL & \[
\begin{aligned}
& {[0 \text { or } 1 / 0 / 1 / \text { step }]} \\
& 0: \text { OFF } \\
& 1: \text { ON }
\end{aligned}
\] \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{2}{*}{5162} & \multicolumn{3}{|l|}{ [App. Switch Method] } \\
\cline { 2 - 4 } & \begin{tabular}{l} 
Determines whether the application screen is switched with a hardware switch \\
or software switch.
\end{tabular} \\
\hline 001 & - & *CTL & \begin{tabular}{l} 
[0 or \(1 / 0 / 1 /\) step] \\
\(0:\) Soft Key Set \\
\(1: ~ H a r d ~ K e y ~ S e t ~\)
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{3}{*}{5166} & [Auto Delete Time] \\
\cline { 2 - 4 } & \begin{tabular}{l} 
Writes when successive cancellation is stopped or started, and indicates the \\
time when Zoffy was lastly executed with being written in GMT (passing time \\
from 1970/1/1 00:00:00 - current), 1 sec/step. \\
Time correction for each local time format should be required.
\end{tabular} \\
\hline 021 & - & CTL & \begin{tabular}{l}
{\([0\) to 4294967295 } \\
10
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline \multirow[b]{2}{*}{5167} & \multicolumn{2}{|l|}{[Fax Printing Mode at Optional Counter Off]} \\
\hline & \multicolumn{2}{|l|}{Enables or disables the automatic print out without an accounting device. This SP is used when the receiving fax is accounted by an external accounting device.} \\
\hline 001 & *CTL & \begin{tabular}{l}
[0 or 1 / 0 / 1/step] \\
0 : Automatic printing \\
1: No automatic printing
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{3}{*}{5169} & \multicolumn{2}{|l|}{ [CE Login] } \\
\cline { 2 - 4 } & \begin{tabular}{l} 
If you will change the printer bit switches, you must 'log in' to service mode with \\
this SP before you go into the printer SP mode.
\end{tabular} \\
\hline 001 & CE Login & *CTL & \begin{tabular}{l} 
[0 or 1/0 / 1/step] \\
\(0:\) Disabled \\
\(1:\) Enabled
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 5181 & \multicolumn{3}{|l|}{[Size Adjust]} \\
\hline \multirow[t]{2}{*}{001} & TRAY 1 & *ENG & \[
\begin{aligned}
& \text { [0 to } 3 \text { / } 1 \text { / 1/step] } \\
& \text { 0: A4 LEF } \\
& \text { 1: LT LEF } \\
& \text { 2: B5 LEF } \\
& \text { 3: A5 LEF }
\end{aligned}
\] \\
\hline & \multicolumn{3}{|l|}{Fix size of tray 1 to appointed value 0: A4 LEF 1: LT LEF 2: B5 LEF 3: A5 LEF} \\
\hline \multirow[t]{2}{*}{002} & TRAY 2: 1 & *ENG & \begin{tabular}{l}
[0 or 1 / 1 / 1/step] 0: A4 LEF \\
1: LT LEF
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Detects size of tray 2 to appointed value preferentially. 0: A4 LEF 1: LT LEF} \\
\hline \multirow[t]{2}{*}{003} & TRAY 2: 2 & *ENG & \[
\begin{aligned}
& \text { [0 or } 1 / 1 / 1 / \text { step }] \\
& 0 \text { : A3 } \\
& \text { 1: DLT }
\end{aligned}
\] \\
\hline & \multicolumn{3}{|l|}{Detects size of tray 2 to appointed value preferentially. 0 : A3 1: DLT} \\
\hline \multirow[t]{2}{*}{004} & TRAY 2: 3 & *ENG & \[
\begin{aligned}
& \text { [0 or } 1 / 1 / 1 / \text { step] } \\
& \text { 0: B4 } \\
& \text { 1: LG }
\end{aligned}
\] \\
\hline & \multicolumn{3}{|l|}{Detects size of tray 2 to appointed value preferentially. 0: B4 1: LG} \\
\hline \multirow[t]{2}{*}{005} & TRAY 2: 4 & *ENG & \begin{tabular}{l}
[ 0 or 1 / \(1 /\) / /step] \\
0 : B5LEF \\
1: ExeLEF
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Detects size of tray 2 to appointed value preferentially. 0: B5 LEF 1: Exe LEF} \\
\hline \multirow[t]{2}{*}{006} & TRAY 2: 5 & *ENG & \[
\begin{aligned}
& {[0 \text { or } 1 / 1 / 1 / \text { step }]} \\
& 0: \text { SRA3 } \\
& \text { 1: } 12 \times 18
\end{aligned}
\] \\
\hline & \multicolumn{3}{|l|}{Detects size of tray 2 to appointed value preferentially. 0: SRA3 1: \(12 \times 18\)} \\
\hline 007 & TRAY 3/T-LCT: 1 & *ENG & \begin{tabular}{l}
[0 or 1 / \(1 / 1 /\) step] \\
0: A4LEF \\
1: LTLEF
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline & \multicolumn{3}{|l|}{Switches auto detection size of 3rd paper feed tray 1(LCT). 0: A4 LEF 1: LT LEF} \\
\hline \multirow[t]{2}{*}{008} & TRAY 3: 2 & *ENG & \[
\begin{aligned}
& {[0 \text { or } 1 / 1 / 1 / \text { step }]} \\
& 0: \text { A3 } \\
& \text { 1: DLT }
\end{aligned}
\] \\
\hline & \multicolumn{3}{|l|}{Switches auto detection size of 3rd paper feed tray 2. 0: A3 1: DLT} \\
\hline \multirow[t]{2}{*}{009} & TRAY 3: 3 & *ENG & \[
\begin{aligned}
& \text { [0 or } 1 \text { / } 1 \text { / 1/step] } \\
& \text { 0: B4 } \\
& \text { 1: LG }
\end{aligned}
\] \\
\hline & \multicolumn{3}{|l|}{Switches auto detection size of 3rd paper feed tray 3. 0: B4 1: LG} \\
\hline \multirow[t]{2}{*}{010} & TRAY 3: 4 & *ENG & \[
\begin{aligned}
& \text { [0 or } 1 / 1 / 1 / \text { step }] \\
& 0 \text { : B5LEF } \\
& \text { 1: ExeLEF }
\end{aligned}
\] \\
\hline & \multicolumn{3}{|l|}{Switches auto detection size of 3rd paper feed tray 4. 0: B5 LEF 1: Exe LEF} \\
\hline \multirow[t]{2}{*}{011} & TRAY 3: 5 & *ENG & \[
\begin{aligned}
& \text { [0 or } 1 / 1 / 1 / \text { step] }] \\
& 0: 12.6 \times 17.7 \\
& 1: 12 \times 18
\end{aligned}
\] \\
\hline & \multicolumn{3}{|l|}{Switches auto detection size of 3rd paper feed tray 5. 0: \(12.6 \times 17.71: 12 \times 18\)} \\
\hline \multirow[t]{2}{*}{012} & TRAY 4: 1 & *ENG & \begin{tabular}{l}
[ 0 or 1/1 / 1/step] 0 : A4LEF \\
1: LTLEF
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Switches auto detection size of 4th paper feed tray 1. 0: A4 LEF 1: LT LEF} \\
\hline \multirow[t]{2}{*}{013} & TRAY 4: 2 & *ENG & \[
\begin{aligned}
& \text { [0 or } 1 / 1 / 1 / \text { step] } \\
& 0 \text { : A3 } \\
& \text { 1: DLT }
\end{aligned}
\] \\
\hline & \multicolumn{3}{|l|}{Switches auto detection size of 4th paper feed tray 2. 0: A3 1: DLT} \\
\hline \multirow[t]{2}{*}{014} & TRAY 4: 3 & *ENG & \[
\begin{aligned}
& \text { [0 or } 1 / 1 / 1 / \text { step] } \\
& \text { 0: B4 } \\
& \text { 1: LG }
\end{aligned}
\] \\
\hline & \multicolumn{3}{|l|}{Switches auto detection size of 4th paper feed tray 3. 0: B4 1: LG} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[t]{2}{*}{015} & TRAY 4: 4 & *ENG & \[
\begin{aligned}
& {[0 \text { or } 1 / 1 / 1 / \text { step }]} \\
& 0: \text { B5LEF } \\
& \text { 1: ExeLEF }
\end{aligned}
\] \\
\hline & \multicolumn{3}{|l|}{Switches auto detection size of 4th paper feed tray 4. 0: B5 LEF 1: Exe LEF} \\
\hline \multirow[t]{2}{*}{016} & TRAY 4: 5 & *ENG & \[
\begin{aligned}
& {[0 \text { or } 1 / 1 / 1 / \text { step }]} \\
& 0: 12.6 \times 17.7 \\
& 1: 12 \times 18
\end{aligned}
\] \\
\hline & \multicolumn{3}{|l|}{Switches auto detection size of 4th paper feed tray 5. 0: \(12.6 \times 17.7\) 1: \(12 \times 18\)} \\
\hline \multirow[t]{2}{*}{017} & LCT & *ENG & \[
\begin{aligned}
& \text { [0 to } 2 \text { / } 1 \text { / 1/step] } \\
& \text { 0: A4LEF } \\
& \text { 1: LTLEF } \\
& \text { 2: B5LEF }
\end{aligned}
\] \\
\hline & \multicolumn{3}{|l|}{Switches auto detection size of Side set LCT 0: A4 LEF, 1: LT LEF 2: B5 LEF} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{2}{*}{5186} & \multicolumn{2}{|l|}{ [RK4] } \\
\cline { 2 - 4 } & \multicolumn{2}{|l|}{ Sets whether to do the jam operation when pulling out RK4. } \\
\hline 001 & - & *ENG & {\([0\) or \(1 / 0 / 1 /\) step \(]\)} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{2}{*}{5188} & \multicolumn{3}{|l|}{ [Copy Nv Version] } \\
\cline { 2 - 4 } & Displays the version number of the NVRAM on the controller board. \\
\hline 001 & - & \({ }^{*} \mathrm{CTL}\) & {\([-/-/-]\)} \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|l|}
\hline \multirow{3}{*}{5191} & \multicolumn{3}{l|}{ [Mode Set] } \\
\cline { 2 - 4 } & \multicolumn{3}{|l|}{ Shifts to the power save mode or not. } \\
\hline 001 & Power Str Set & *CTL & \begin{tabular}{l} 
[0 or 1/1 / 1/step] \\
0: OFF \\
\(1: ~ O N ~\)
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline \multirow{2}{*}{5193} & \multicolumn{2}{|l|}{[External Controller Info. Settings]} \\
\hline & \multicolumn{2}{|l|}{External controler settings.} \\
\hline 001 & CTL & \begin{tabular}{l}
[ 0 to \(10 / 0 / 1 /\) step] \\
0 : External Controller is not installed \\
1: EFI \\
2: Ratio \\
3: Egret \\
4: GJ \\
5:Creo \\
6: QX-100 \\
7: Kurofune \\
8 to 10: Reserved
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{3}{*}{5195} & \multicolumn{3}{|l|}{ [Limitless SW] } \\
\cline { 2 - 4 } & \multicolumn{3}{|l|}{ Switches productivity precede limit less feed and use paper up limit less feed. } \\
\hline 001 & - & \(* C T L\) & \begin{tabular}{l} 
[0 or \(1 / 0 / 1 /\) step \(]\) \\
\(0:\) Productivity Precede \\
\(1: ~ U s e ~ p a p e r ~ u p ~\)
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{3}{*}{5196} & \multicolumn{4}{|l|}{} \\
\cline { 2 - 4 } & [Copier Vendor Mode] \\
\hline 001 & 90 deg. Rotation & CTL & {\([-/-/-]\)} \\
\hline 002 & Color and Tray Selection & CTL & {\([-/-/-]\)} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{5199} & \multicolumn{3}{|l|}{[Paper Exit After Staple End]} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Enables or disables the paper feeding out from the finisher without stapling. \\
- If this setting is "1: ON", paper is fed out without stapling at the maximum number of the finisher stapling when the machine gets a multiple printing job (over maximum number). \\
- If this setting is " 0 : OFF", paper is fed out with stapling at the maximum number of the finisher stapling when the machine gets a multiple printing job (over maximum number).
\end{tabular}} \\
\hline 001 & 0: OFF 1: ON & CTL & \[
\begin{aligned}
& \text { [ } 0 \text { or } 1 / 0 / 1 / \text { step }] \\
& \text { 0: OFF, } \\
& \text { 1: ON }
\end{aligned}
\] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{5212} & \multicolumn{3}{|l|}{[Page Numbering]} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
This program adjusts the position of the second side page numbers. \\
- "- value" moves the page number positions to the left edge. \\
- "+ value" moves the page number positions to the right edge.
\end{tabular}} \\
\hline 003 & Duplex Printout Right/Left Position & *CTL & [-10 to 10 / 0 / 1mm/step] \\
\hline 004 & \begin{tabular}{l}
Duplex Printout High/Low \\
Position
\end{tabular} & *CTL & [-10 to 10 / 0 / 1mm/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 5227 & \multicolumn{3}{|l|}{[Page numbering]} \\
\hline \multirow{2}{*}{201} & Allow Page No. Entry & *CTL & [2 to 9 / 9 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Specify max. digits for "Job serial numbering start number" of optional text print.} \\
\hline \multirow{2}{*}{202} & Zero Surplus Stting & *CTL & \[
\begin{aligned}
& \text { [0 or } 1 / 0 / 1 / \text { step }] \\
& 0: \text { OFF } \\
& \text { 1:ON }
\end{aligned}
\] \\
\hline & \multicolumn{3}{|l|}{Specify zero suppress for "Job serial numbering start number" of optional text print.} \\
\hline
\end{tabular}
\begin{tabular}{|c|l|l|}
\hline \multirow{4}{*}{5302} & \multicolumn{2}{|l|}{ [Set Time] } \\
\cline { 2 - 4 } & \begin{tabular}{l} 
Adjusts the RTC (real time clock) time setting for the local time zone. \\
Examples: For Japan (+9 GMT), enter 540 (9 hours x 60 min.) \\
DOM: +540 (Tokyo) \\
NA: -300 (New York) \\
EU: +60 (Paris) \\
CH: +480 (Beijing) \\
TW: +480 (Taipei) \\
AS: +480 (Hong Kong)
\end{tabular} \\
\hline 002 & Time Difference & *CTL \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 5307 & \multicolumn{3}{|l|}{[Summer Time]} \\
\hline \multirow[t]{2}{*}{001} & Setting & *CTL & \begin{tabular}{l}
[0 to \(1 /-/ 1 /\) step] \\
0 : Disabled \\
1: Enabled \\
(Default) \\
1: NA and EUR \\
0 : ASIA and others
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Enables or disables the summer time mode. \\
Note \(\qquad\) \\
- Make sure that both SP5-307-3 and -4 are correctly set. Otherwise, this SP is not activated even if this SP is set to " 1 ".
\end{tabular}} \\
\hline 003 & Rule Set(Start) & *CTL & \begin{tabular}{l}
[0 to 0xffffffff / - / 1hex/step] (Default) \\
NA: 0x11100200 \\
EUR: 0x10500100 \\
ASIA: 0x03100000 \\
Other: 0x00000000
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Specifies the start setting for the summer time mode. \\
There are 8 digits in this SP. For months 1 to 9 , the " 0 " cannot be input in the first digit, so the eight-digit setting for -2 or -3 becomes a seven-digit setting. \\
1st and 2nd digits: The month. [1 to 12] \\
3rd digit: The week of the month. [1 to 5] \\
4th digit: The day of the week. [0 to \(6=\) Sunday to Saturday] \\
5th and 6th digits: The hour. [00 to 23] \\
7th digit: The length of the advanced time. [0 to 9 / 1 hour /step] 8th digit: The length of the advanced time. [0 to 5 / 10 minutes /step] \\
- The digits are counted from the left. \\
- Make sure that SP5-307-1 is set to "1".
\end{tabular}} \\
\hline & Rule Set (End) & & \\
\hline 004 & \begin{tabular}{l}
Specifies the end \\
There are 8 dig \\
1st and 2 nd dig \\
3rd digit: The w \\
4th digit: The day \\
5th and 6th digit \\
The 7th and 8 \\
- The digits \\
- Make sure
\end{tabular} & & \begin{tabular}{l}
mode. \\
ay to Saturday]
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 5401 & \multicolumn{3}{|l|}{[Access Control]} \\
\hline 230 & SDK Certification Device & *CTL & \begin{tabular}{l}
[ 0 to 7 / 0 / power of 2/step] \\
\(0-1\) : SDK authentication available \\
0-0: Disable all functions \\
1-1: SKB Display \\
1-0: Disable \\
2-1: Administrator login \\
2-0: Disable \\
3 to 7-0: Reserved (set "0" only)
\end{tabular} \\
\hline & Detail Option & *CTL & [0 to \(7 / 0 \times 00 / 0 \times 01 /\) step] \\
\hline 240 & \multicolumn{3}{|l|}{\begin{tabular}{l}
0 : Logout confirm option
\[
-1: \text { ON, 0: OFF }
\] \\
2 to 1: Auto-logout timer(retry timer) \\
-11: 30sec, 10: 20sec, 01: 10sec, 00: 60sec \\
3: personal authority / Group authority and operation
-1: ON, 0: OFF \\
4: Skip password entry
-1: ON, 0: OFF \\
5: Set the display of the remaining Frequence \\
-1: ON, 0: OFF \\
6 to 7: Set the display time \\
-1: ON, 0: OFF
\end{tabular}} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline 5404 & \multicolumn{4}{|l|}{ [User Code Count Clear] } \\
\hline 0 & - & \(* C T L\) & \begin{tabular}{l}
{\([-/-/-]\)} \\
[Execute]
\end{tabular} \\
\cline { 2 - 4 } 004 & - & \\
\cline { 2 - 4 } & - & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 5411 & \multicolumn{3}{|l|}{[LDAP Certification]} \\
\hline 004 & Easy Certification & *CTL & \[
\begin{aligned}
& {[0 \text { or } 1 / 1 / 1 / \text { step }]} \\
& \text { 1: On } \\
& \text { 0: Off }
\end{aligned}
\] \\
\hline & \multicolumn{3}{|l|}{Determines whether easy LDAP certification is done.} \\
\hline \multirow[t]{2}{*}{005} & Password Null Not Permit & *CTL & \begin{tabular}{l}
[ 0 or 1 / 0 / 1/step] \\
0: Password NULL not permitted. \\
1: Password NULL permitted.
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{This SP is referenced only when SP5411-4 is set to "1" (On).} \\
\hline \multirow[t]{2}{*}{006} & Detail Option & *CTL & \[
\begin{aligned}
& {[0 \text { or } 1 / 0 / 1 / \text { step }]} \\
& 0: \text { OFF } \\
& 1: \text { ON }
\end{aligned}
\] \\
\hline & \multicolumn{3}{|l|}{Determines whether LDAP option (anonymous certification) is turned on or off.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 5413 & \multicolumn{3}{|l|}{[Lockout Setting]} \\
\hline \multirow[t]{2}{*}{001} & Lockout On/Off & *CTL & \[
\begin{aligned}
& {[0 \text { or } 1 / 0 / 1 / \text { step }]} \\
& 0: \text { Off } \\
& \text { 1: On }
\end{aligned}
\] \\
\hline & \multicolumn{3}{|l|}{Switches on/off the lock on the local address book account.} \\
\hline \multirow{2}{*}{002} & Lockout Threshold & *CTL & [1 to \(10 / 5 / 1 /\) step] \\
\hline & \multicolumn{3}{|l|}{Sets a limit on the frequency of lockouts for account lockouts.} \\
\hline \multirow[t]{2}{*}{003} & Cancellation On/Off & *CTL & \begin{tabular}{l}
[ 0 or 1 / 0 / 1/step] \\
0 : Off (no wait time, lockout not cancelled) \\
1: On (system waits, cancels lockout if correct user ID and password are entered.
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Determines whether the system waits the prescribed time for input of a correct user ID and password after an account lockout has occurred.} \\
\hline \multirow[b]{2}{*}{004} & Cancellation Time & *CTL & [1 to 999/60/1 min./step] \\
\hline & \multicolumn{3}{|l|}{Determines the length of time that the system waits for correct input of the user ID and password after a lockout has occurred. This setting is used only if SP5413-3 is set to "1" (on).} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 5414 & \multicolumn{3}{|l|}{[Access Mitigation]} \\
\hline \multirow[t]{2}{*}{001} & Mitigation On/Off & *CTL & \[
\begin{aligned}
& {[0 \text { or } 1 / 0 / 1 / \text { step }]} \\
& 0: \text { OFF } \\
& \text { 1: ON }
\end{aligned}
\] \\
\hline & \multicolumn{3}{|l|}{Switches on/off masking of continuously used IDs and passwords that are identical.} \\
\hline \multirow[b]{2}{*}{002} & Mitigation Time & *CTL & [ 0 to \(60 / 15\) / 1 min./step] \\
\hline & \multicolumn{3}{|l|}{Sets the length of time for excluding continuous access for identical user IDs and passwords.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 5415 & \multicolumn{3}{|l|}{[Password Attack]} \\
\hline \multirow[b]{2}{*}{001} & Permissible Number & *CTL & [0 to 100 / 30 / 1 attempt/step] \\
\hline & \multicolumn{3}{|l|}{Sets the number of attempts to attack the system with random passwords to gain illegal access to the system.} \\
\hline \multirow[b]{2}{*}{002} & Detect Time & *CTL & [1 to 10 / \(5 / 1\) sec./step] \\
\hline & \multicolumn{3}{|l|}{Sets the time limit to stop a password attack once such an attack has been detected.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 5416 & \multicolumn{3}{|l|}{[Access Information]} \\
\hline \multirow[b]{2}{*}{001} & Access User Max Num & *CTL & [50 to 200 / 200 / 1 users/step] \\
\hline & \multicolumn{3}{|l|}{Limits the number of users used by the access exclusion and password attack detection functions.} \\
\hline \multirow{2}{*}{002} & Access Password Max Num & *CTL & [50 to 200 / 200 / 1 password/step] \\
\hline & \multicolumn{3}{|l|}{Limits the number of passwords used by the access exclusion and password attack detection functions.} \\
\hline \multirow[b]{2}{*}{003} & Monitor Interval & *CTL & [1 to 10 / 3 / 1 sec./step] \\
\hline & \multicolumn{3}{|l|}{Sets the processing time interval for referencing user ID and password information.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 5417 & \multicolumn{3}{|l|}{[Access Attack]} \\
\hline \multirow[b]{2}{*}{001} & Access Permissible Number & *CTL & [ 0 to \(500 / 100 / 1 /\) step] \\
\hline & \multicolumn{3}{|l|}{Sets a limit on access attempts when an excessive number of attempts are detected for MFP features.} \\
\hline \multirow{2}{*}{002} & Attack Detect Time & *CTL & [10 to 30 / 10 / 1 sec./step] \\
\hline & \multicolumn{3}{|l|}{Sets the length of time for monitoring the frequency of access to MFP features.} \\
\hline \multirow[b]{2}{*}{003} & Productivity Fall Wait & *CTL & [0 to \(9 / 3 / 1 \mathrm{sec} . /\) step] \\
\hline & \multicolumn{3}{|l|}{Sets the wait time to slow down the speed of certification when an excessive number of access attempts have been detected.} \\
\hline \multirow[b]{2}{*}{004} & Attack Max Num & *CTL & [50 to 200 / 200 / 1 attempt/step] \\
\hline & \multicolumn{3}{|l|}{Sets a limit on the number of requests received for certification in order to slow down the certification speed when an excessive number of access attempts have been detected.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{5420} & \multicolumn{3}{|l|}{[User Authentication]} \\
\hline & \multicolumn{3}{|l|}{This setting should be done by System Administrators.} \\
\hline \multirow[t]{2}{*}{001} & Copy & *CTL & \[
\begin{aligned}
& {[0 \text { to } 1 / 0 / 1 / \text { step }]} \\
& 0: \text { On } \\
& \text { 1: Off }
\end{aligned}
\] \\
\hline & \multicolumn{3}{|l|}{Determines whether certification is required before a user can use the copy applications.} \\
\hline 002 & Color Security Setting & *CTL & [0x00 to 0xFF / 0x00 / 1/step] \\
\hline \multirow[t]{2}{*}{011} & DocumentServer & *CTL & \[
\begin{aligned}
& {[0 \text { or } 1 / 0 / 1 / \text { step }]} \\
& 0: \text { On } \\
& \text { 1: Off }
\end{aligned}
\] \\
\hline & \multicolumn{3}{|l|}{Determines whether certification is required before a user can use the document server.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[t]{2}{*}{021} & Fax & *CTL & \[
\begin{aligned}
& {[0 \text { or } 1 / 0 / 1 / \text { step }]} \\
& 0: \text { On } \\
& \text { 1: Off }
\end{aligned}
\] \\
\hline & \multicolumn{3}{|l|}{Determines whether certification is required before a user can use the fax application.} \\
\hline \multirow[t]{2}{*}{031} & Scanner & *CTL & \[
\begin{aligned}
& {[0 \text { or } 1 / 0 / 1 / \text { step }]} \\
& \text { 0: On } \\
& \text { 1: Off }
\end{aligned}
\] \\
\hline & \multicolumn{3}{|l|}{Determines whether certification is required before a user can use the scan applications.} \\
\hline \multirow[t]{2}{*}{041} & Printer & *CTL & \[
\begin{aligned}
& {[0 \text { or } 1 / 0 / 1 / \text { step }]} \\
& 0: \text { On } \\
& \text { 1: Off }
\end{aligned}
\] \\
\hline & \multicolumn{3}{|l|}{Determines whether certification is required before a user can use the printer applications.} \\
\hline 051 & SDK1 & *CTL & \multirow{3}{*}{\[
\left\{\begin{array}{l}
{[0 \text { or } 1 / 0 / 1 / \text { step }]} \\
0: \text { ON } \\
1: \text { OFF }
\end{array}\right.
\]} \\
\hline 061 & SDK2 & *CTL & \\
\hline 071 & SDK3 & *CTL & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{5481} & \multicolumn{3}{|l|}{[Authentication Error Code]} \\
\hline & \multicolumn{3}{|l|}{These SP codes determine how the authentication failures are displayed.} \\
\hline \multirow[t]{2}{*}{001} & System Log Disp & *CTL & \[
\begin{aligned}
& \text { [0 or } 1 / 0 / 1 / \text { step] } \\
& 0: \text { Off } \\
& \text { 1: On }
\end{aligned}
\] \\
\hline & \multicolumn{3}{|l|}{Determines whether an error code appears in the system log after a user authentication failure occurs.} \\
\hline \multirow[t]{2}{*}{002} & Panel Disp & *CTL & \[
\begin{aligned}
& \text { [0 or } 1 / 0 / 1 / \text { step }] \\
& \text { 1: On } \\
& 0: \text { Off }
\end{aligned}
\] \\
\hline & \multicolumn{3}{|l|}{Determines whether an error code appears on the operation panel after a user authentication failure occurs.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 5490 & \multicolumn{3}{|l|}{[MF KeyCard (Japan only)]} \\
\hline 001 & Job Permit Setting & *CTL & \begin{tabular}{l}
[0 to 1 / 0 / 1/step] \\
0 : Disabled. Cancels operation without a user code. \\
1: Enabled. Allows operation without a user code.
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Sets up operation of the machine with a keycard.} \\
\hline 002 & Count Mode Setting & *CTL & - \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|l|}
\hline 5501 & \multicolumn{3}{|l|}{ [PM Alarm] } \\
\hline 001 & PM Alarm Level & *CTL & \begin{tabular}{l} 
[0 to 9999 / 0 / 1/step] \\
0: Alarm off \\
1 to 9999: Alarm goes off when \\
Value (1 to 9999) \(\times 1000>\) PM \\
counter
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|}
\hline 5504 & [Jam Alarm Interval] \\
\hline \multirow[t]{2}{*}{001} & \[
\begin{array}{l|l} 
& \text { [0 to } 3 / 3 / 1 / \text { step }] \\
0: \mathrm{Z} \\
\text { *: } \mathrm{L} \\
\text { 2: M } \\
\text { 3: H }
\end{array}
\] \\
\hline & Sets the alarm to sound for the specified jam level (document miss feeds are not included). \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{3}{*}{} & [Error Alarm] \\
\cline { 2 - 4 } & \begin{tabular}{l} 
Sets the error alarm level. \\
The error alarm counter counts "1" when any SC is detected. However, the error \\
alarm counter decreases by "1" when an SC is not detected during a set \\
number of copied sheets (for example, default 700 sheets). \\
The error alarm occurs when the SC error alarm counter reaches "5".
\end{tabular} \\
\hline 001 & Error Alarm & *CTL & \begin{tabular}{l} 
[0 to 25500 / 20 \\
0: Alarm Off
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{5507} & \multicolumn{3}{|l|}{[Supply/CC Alarm]} \\
\hline & \multicolumn{3}{|l|}{Enables or disables the notifying a supply call via the @Remote.} \\
\hline 001 & Paper Supply Alarm & *CTL & \[
\begin{aligned}
& \text { [0 or } 1 / 0 / 1 / \text { step }] \\
& 0: \text { OFF } \\
& 1: \text { ON }
\end{aligned}
\] \\
\hline 002 & Staple Supply Alarm & *CTL & \[
\begin{aligned}
& \text { [0 or } 1 / 0 \text { / 1/step] } \\
& 0: \text { OFF } \\
& 1: \text { ON }
\end{aligned}
\] \\
\hline \multirow[t]{2}{*}{003} & Toner Supply Alarm & *CTL & \[
\begin{aligned}
& \text { [0 or } 1 / 0 / 1 / \text { step] }] \\
& 0: \text { OFF } \\
& 1: \text { ON }
\end{aligned}
\] \\
\hline & \multicolumn{3}{|l|}{If you select "1" the alarm will sound when the copier detects toner end.} \\
\hline 006 & WasteTonerBottle & *CTL & \begin{tabular}{l}
[0 to \(2 / 1 / 1 /\) step] \\
0 :OFF \\
1: Supply Call ON \\
2: CC Call ON
\end{tabular} \\
\hline \multirow[t]{2}{*}{080} & Toner Call Timing & *CTL & \begin{tabular}{l}
[ 0 or 1 / 0 / 1/step] \\
0 : At replacement \\
1: AtLessThanThresh
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Changes the timing of the "Toner Supply Call" via the @Remote, when the following conditions occur.} \\
\hline 081 & Toner Call Threshold & *CTL & [10 or 90 / 0 / 10\%/step] \\
\hline \multirow{2}{*}{128} & Interval :Others & *CTL & \begin{tabular}{l}
[250 to 10000 / 1000 / \\
1page/step]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{The "Paper Supply Call Level: nn" SPs specify the paper control call interval for the referenced paper sizes.} \\
\hline \multirow{2}{*}{132} & Interval :A3 & *CTL & \begin{tabular}{l}
[250 to 10000 / 1000 / \\
1page/step]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{The "Paper Supply Call Level: nn" SPs specify the paper control call interval for the referenced paper sizes.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{133} & Interval :A4 & *CTL & \begin{tabular}{l}
[250 to 10000 / 1000 / \\
1page/step]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{The "Paper Supply Call Level: nn" SPs specify the paper control call interval for the referenced paper sizes.} \\
\hline \multirow{2}{*}{134} & Interval :A5 & *CTL & \begin{tabular}{l}
[250 to 10000 / 1000 / \\
1page/step]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{The "Paper Supply Call Level: nn" SPs specify the paper control call interval for the referenced paper sizes.} \\
\hline \multirow{2}{*}{141} & Interval : B4 & *CTL & \begin{tabular}{l}
[250 to 10000 / 1000 / \\
1page/step]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{The "Paper Supply Call Level: nn" SPs specify the paper control call interval for the referenced paper sizes.} \\
\hline \multirow{2}{*}{142} & Interval : B5 & *CTL & \begin{tabular}{l}
[250 to 10000 / 1000 / \\
1page/step]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{The "Paper Supply Call Level: nn" SPs specify the paper control call interval for the referenced paper sizes.} \\
\hline \multirow{2}{*}{160} & Interval :DLT & *CTL & \begin{tabular}{l}
[250 to 10000 / 1000 / \\
1page/step]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{The "Paper Supply Call Level: nn" SPs specify the paper control call interval for the referenced paper sizes.} \\
\hline \multirow{2}{*}{166} & Interval :LT & *CTL & \begin{tabular}{l}
[250 to 10000 / 1000 / \\
1page/step]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{The "Paper Supply Call Level: nn" SPs specify the paper control call interval for the referenced paper sizes.} \\
\hline \multirow{2}{*}{172} & Interval :HLT & *CTL & \begin{tabular}{l}
[250 to 10000 / 1000 / \\
1page/step]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{The "Paper Supply Call Level: nn" SPs specify the paper control call interval for the referenced paper sizes.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[t]{2}{*}{001} & Jam Remains & *CTL & \begin{tabular}{l}
[0 or \(1 / 1 / 1 /\) step] \\
0 : Disable \\
1: Enable
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Enables/disables initiating a call for an unattended paper jam.} \\
\hline \multirow[t]{2}{*}{002} & Continuous Jams & *CTL & \begin{tabular}{l}
[0 or \(1 / 1 / 1 /\) step] \\
0 : Disable \\
1: Enable
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Enables/disables initiating a call for consecutive paper jams.} \\
\hline \multirow[t]{2}{*}{003} & Continuous Door Open & *CTL & \begin{tabular}{l}
[0 or 1 / 1 / 1/step] \\
0 : Disable \\
1: Enable
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Enables/disables initiating a call when the front door remains open.} \\
\hline \multirow[b]{2}{*}{011} & Jam Detection: Time Length & *CTL & [3 to 30/10/1min./step] \\
\hline & \multicolumn{3}{|l|}{Sets the time a jam must remain before it becomes an "unattended paper jam". This setting is enabled only when SP5508-004 is set to " 1 ".} \\
\hline \multirow{2}{*}{012} & Jam Detection: Continuous Count & *CTL & [2 to 10 / 5 / 1time/step] \\
\hline & \multicolumn{3}{|l|}{Sets the number of consecutive paper jams required to initiate a call. This setting is enabled only when SP5508-004 is set to "1".} \\
\hline \multirow[b]{2}{*}{013} & Door Open: Time Length & *CTL & [3 to \(30 / 10 / 1 \mathrm{~min} . /\) step] \\
\hline & \multicolumn{3}{|l|}{Sets the length of time the door remains open before the machine initiates a call. This setting is enabled only when SP5-508-004 is set to "1".} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{5515} & \multicolumn{3}{|l|}{[SC/Alarm Setting]} \\
\hline & \multicolumn{3}{|l|}{With @Remote in use, these SP codes can be set to issue an SC call when an SC error occurs. If this SP is switched off, the SC call is not issued when an SC error occurs.} \\
\hline 001 & SC Call & *CTL & \\
\hline 002 & Service Parts Near End Call & *CTL & 0: OFF \\
\hline 003 & Service Parts End Call & *CTL & \\
\hline
\end{tabular}
\begin{tabular}{|c|l|c|}
\hline 004 & User Call & \({ }^{*}\) CTL \\
\hline 006 & Communication Test Call & *CTL \\
\hline 007 & Machine Information Notice & \({ }^{*}\) CTL \\
\hline 008 & Alarm Notice & \({ }^{*}\) CTL \\
\hline 009 & Non Genuine Tonner Ararm & *CTL \\
\hline 010 & \begin{tabular}{l} 
Supply Automatic Ordering \\
Call
\end{tabular} & \multirow{2}{*}{\({ }^{*}\) CTL } \\
\hline 011 & \begin{tabular}{l} 
Supply Management Report \\
Call
\end{tabular} & \multirow{2}{*}{ *CTL } \\
\hline 012 & Jam/Door Open Call & \({ }^{*}\) CTL \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline & \multicolumn{3}{|l|}{[Individual PM Part Alarm Call]} \\
\hline 5516 & \multicolumn{3}{|l|}{With @Remote in use, these SP codes can be set to issue an PM alarm call when one of SP parts reaches its yield.} \\
\hline 001 & Disable/Enable Setting (0: Not send, 1: Send) & *CTL & \begin{tabular}{l}
[0 or \(1 / 1 / 1 /\) step] \\
0 : Not send \\
1: Send
\end{tabular} \\
\hline 004 & Percent yield for triggering PM alert & *CTL & [1 to 255 / 75 / 1 \%/step] \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline 5517 & \multicolumn{3}{|l|}{ [Get Machine Information] } \\
\hline \multirow{3}{|l|}{031} & Get SMC Info Retry Internal & \({ }^{*}\) CTL & {\([10\) to \(255 / 10 / 1 \mathrm{~min} /\) step \(]\)} \\
\cline { 2 - 4 } & \begin{tabular}{l} 
When SMC info collect is interrupt, retries during the time between receving \\
Request for obtaining SMC info, to value set with this setting.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 5610 & \multicolumn{3}{|l|}{[Base Gamma Ctrl Pt:Execute]} \\
\hline \multirow[b]{2}{*}{004} & Get Factory Default & ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Factoryreset the ACC execution result (create base gamma with factory adjusted value).} \\
\hline \multirow[b]{2}{*}{005} & Set Factory Default & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Overwrites the factory adjusted value with base gamma control point (current value).} \\
\hline \multirow{2}{*}{006} & Restore Orginal Value & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Reset the ACC execution result (create base gamma with last adjusted value).} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 5611 & \multicolumn{3}{|l|}{[Toner Color in 2C]} \\
\hline \multirow[b]{2}{*}{001} & B-C & *ENG & [0 to 128 / 100 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Adjust (no correction: 100) output color (C component) from 0(\%) to 128(\%) when setting basic color (blue) to single color.} \\
\hline \multirow[b]{2}{*}{002} & B-M & *ENG & [0 to 128/100 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Adjust (no correction: 100) output color (M component) from 0(\%) to 128(\%) when setting basic color (blue) to single color.} \\
\hline \multirow[b]{2}{*}{003} & G-C & *ENG & [0 to \(128 / 100 / 1 /\) step] \\
\hline & \multicolumn{3}{|l|}{Adjust (no correction: 100) output color (C component) from 0(\%) to 128(\%) when setting basic color (green) to single color.} \\
\hline \multirow[b]{2}{*}{004} & G-Y & *ENG & [0 to 128/100 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Adjust (no correction: 100) output color (Y component) from 0(\%) to 128(\%) when setting basic color (green) to single color.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{005} & R-M & *ENG & [0 to 128 / 100 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Adjust (no correction: 100) output color (M component) from 0(\%) to 128(\%) when setting basic color (red) to single color.} \\
\hline \multirow[b]{2}{*}{006} & R-Y & *ENG & [0 to 128 / 100 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Adjust (no correction: 100) output color (Y component) from 0(\%) to 128(\%) when setting basic color (red) to single color.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline 5618 & \multicolumn{2}{|l|}{[Color Mode Display Selection]} \\
\hline 001 & *CTL & \begin{tabular}{l}
[0 or 1 / 1 / 1/step] \\
0: ACS, Color, Black \& White, Two \\
Colors, Single colour \\
1: ACD, Full Color, Black \& White
\end{tabular} \\
\hline & \multicolumn{2}{|l|}{Selects the color selection display on the LCD.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{5713} & \multicolumn{3}{|l|}{[Service Branch Information]} \\
\hline & \multicolumn{3}{|l|}{-} \\
\hline 001 & Service Branch Information Code & *CTL & [7 digits / - - ] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{5730} & \multicolumn{3}{|l|}{[Extended Function Setting]} \\
\hline & \multicolumn{3}{|l|}{-} \\
\hline \multirow[t]{2}{*}{001} & JavaTM Platform setting & *CTL & \begin{tabular}{l}
[0 or 1/1/-] \\
0: Disable, 1: Enable
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Enables/disables the Java TM plataform.} \\
\hline \multirow[t]{2}{*}{002} & JavaTM Platform display & *CTL & \begin{tabular}{l}
[Read Only / 1 / -] \\
1(enable)[FIXED]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Check whether JavaVM is enable of not.} \\
\hline 010 & Expiration Prior Alarm Set & *CTL & [0 to 999 / 20 / 1day/step] \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{2}{*}{5731} & \multicolumn{3}{|l|}{ [Counter Effect] } \\
\cline { 2 - 4 } & \multicolumn{2}{|l|}{ This SP is uesd only for DOM machines. } \\
\hline 001 & \begin{tabular}{l} 
Change MK1 Cnt \\
(Paper->Combine)
\end{tabular} & *CTL & {\([0\) or \(1 / 0 / 1 /\) step \(]\)} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|c|l|}
\hline \multicolumn{1}{|c|}{5745} & [PowerConsumption] & \\
\hline 211 & Controller Standby & \({ }^{*} \mathrm{CTL}\) & {\([0\) to \(9999 / 0 / 1 /\) step \(]\)} \\
\hline 212 & STR & {\([0\) to \(9999 / 0 / 1 /\) step \(]\)} \\
\hline 213 & Main Power Off & \({ }^{*} \mathrm{CTL}\) & {\([0\) to \(9999 / 0 / 1 /\) step \(]\)} \\
\hline 214 & Scanning and Printing & \({ }^{*} \mathrm{CTL}\) & {\([0\) to \(9999 / 0 / 1 /\) step \(]\)} \\
\hline 215 & Printing & \({ }^{*} \mathrm{CTL}\) & {\([0\) to \(9999 / 0 / 1 /\) step \(]\)} \\
\hline 216 & Scanning & \({ }^{*} \mathrm{CTL}\) & {\([0\) to \(9999 / 0 / 1 /\) step \(]\)} \\
\hline
\end{tabular}
\begin{tabular}{|c|l|c|l|}
\hline 217 & Engine Standby & \({ }^{*} \mathrm{CTL}\) & {\([0\) to \(9999 / 0 / 1 /\) step \(]\)} \\
\hline 218 & Low Power Consumption & \({ }^{*} \mathrm{CTL}\) & {\([0\) to \(9999 / 0 / 1 /\) step \(]\)} \\
\hline 219 & Silent Consumption & \({ }^{*} \mathrm{CTL}\) & {\([0\) to \(9999 / 0 / 1 /\) step \(]\)} \\
\hline 220 & Heater Off & \({ }^{*} \mathrm{CTL}\) & {\([0\) to \(9999 / 0 /\) /step \(]\)} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{5747} & \multicolumn{3}{|l|}{[Browser Setting]} \\
\hline & \multicolumn{3}{|l|}{-} \\
\hline 201 & JPEG Quality & *CTL & [0 to 100 / 80 / 1\%/step] \\
\hline 203 & memory & *CTL & \begin{tabular}{l}
[ 0 or 1 / 0 / 1/step ] \\
0 : Use extended memory \\
1: Not use extended memory
\end{tabular} \\
\hline 204 & Vertical Scroll Display Setting & *CTL & [ 0 or \(1 / 0 / 1 /\) step] \\
\hline 207 & Browser4 & CTL & [0 to 255 / 0 / 1/step] \\
\hline 208 & Browser5 & CTL & [0 to 255 / 0 / 1/step] \\
\hline 209 & Browser6 & CTL & [0 to 255 / 0 / 1/step] \\
\hline 210 & Browser7 & CTL & [0 to 255 / 0 / 1/step] \\
\hline 211 & Browser8 & CTL & [0 to 255 / 0 / 1/step] \\
\hline 212 & Browser9 & CTL & [0 to 255 / 0 / 1/step] \\
\hline 213 & Browser10 & CTL & \begin{tabular}{l}
[char. code \(+0-255\) bytechar. / \\
NULL / -]
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{2}{*}{5749} & \multicolumn{3}{|l|}{ [Import/Export] } \\
\cline { 2 - 4 } & \multicolumn{2}{|l|}{ Imports and exports preference information. } \\
\hline 001 & Export & & \begin{tabular}{l}
{\([-/-/-]\)} \\
Target: System, Printer, Fax, \\
Scanner \\
Option: Unique, Secret \\
Copy config: Encryption, \\
Encryption key(if selected) \\
[Execute]
\end{tabular} \\
\hline 101 & Import & CTL & \begin{tabular}{l}
{\([-/-/-]\)} \\
Option: Unique \\
Copy config: Encryption, \\
Encryption key(if selected) \\
[Execute]
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|}
\hline \multirow{2}{*}{5752} & \multicolumn{4}{|l|}{[Copy FlairAPIFunction Setting]} \\
\hline & \multicolumn{4}{|l|}{CopyFlairAPI Function enable / disable.} \\
\hline 001 & \multicolumn{2}{|l|}{Copy FlairAPIFunction Setting} & & * see BitSwitch below: \\
\hline \multirow{2}{*}{bit} & \multirow{2}{*}{Setting} & \multicolumn{2}{|c|}{meanings} & \multirow{2}{*}{Description} \\
\hline & & 0 & 1 & \\
\hline bit 0 & \begin{tabular}{l}
Start of FlairAPI \\
Server
\end{tabular} & Off (Do not Start) & \[
\begin{gathered}
\text { On } \\
\text { (Start) }
\end{gathered}
\] & Sets whether to start exclusive FlairAPI http server. If it is 0 , scanning FlairAPI function and simple UI function will be disabled. The machine installed Android operating panel option, set " 1 ", others set "0". \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|}
\hline bit 1 & Access permission of FlairAPI from outside of the machine & Disabled & Enabled & If it is " 0 ", accessing is limited from the machine only, such as operating panel, SDK/J, MFP browsers etc... If it is " 1 ", accessing is allowed from outside of FlairAPI such as PC, Remote UI, IT-Box etc... \\
\hline bit 2 & Reserved & - & - & - \\
\hline bit 3 & Reserved & - & - & - \\
\hline bit 4 & Simple UI Function & Disabled & Enabled & If it is " 1 ", the machine can be used Scanner Simple UI. If it is " 0 ", requesting URL of Simple UI returns "404 Not Found" \\
\hline bit 5 & Accessing permission of Simple UI from outside of the machine & Disabled & Enabled & If it is " 0 ", accessing is limited from the machine only (operating panel and MFP browser). If it is " 1 ", accessing is allowed from outside of Simple UI such as PC, mobile devices, and so on. \\
\hline bit 6 & Reserved & - & - & - \\
\hline bit 7 & Reserved & - & - & - \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline 5754 & \multicolumn{4}{|l|}{ [Cloud Fax] DFU } \\
\hline \multirow{3}{*}{001} & Set Func & \({ }^{*}\) CTL & {\([0\) or \(1 / 0 / 1 /\) step \(]\)} \\
\cline { 2 - 4 } & - & \\
\hline
\end{tabular}
\begin{tabular}{|l|l|c|l|}
\hline 5801 & \multicolumn{3}{|l|}{ [Memory Clear] } \\
\hline 001 & All Clear & CTL & \begin{tabular}{l}
{\([-/-/-]\)} \\
{\([\) Execute \(]\)}
\end{tabular} \\
\cline { 2 - 5 } & \begin{tabular}{l} 
Resets all correction data for process control and all software counters, and \\
returns all modes and adjustments to their default values.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|l|}
\hline 5801 & \multicolumn{3}{|l|}{\([\) [Memory Clear \(]\)} \\
\hline \multirow{3}{*}{002} & Engine & ENG & \begin{tabular}{l}
{\([-/-/-]\)} \\
{\([\) Execute \(]\)}
\end{tabular} \\
\cline { 2 - 4 } & \multicolumn{3}{|l|}{ Clears non-volatile memory of engine. } \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{5801} & \multicolumn{3}{|l|}{[Memory Clear]} \\
\hline & \multicolumn{3}{|l|}{Select following SPs and press [Execute] on LCD. After executing, reboot the machine.} \\
\hline \multirow{2}{*}{003} & SCS & CTL & \begin{tabular}{l}
\[
\left[\begin{array}{lll}
{[-/-/-]}
\end{array}\right.
\] \\
[Execute]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Initializes default system settings, SCS (System Control Service) settings, operation display coordinates, and ROM update information.} \\
\hline \multirow[t]{2}{*}{004} & IMH Memory Clr & CTL & \begin{tabular}{l}
\[
\text { [- / - } / \text { - }
\] \\
[Execute]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Initializes the IMH settings.} \\
\hline \multirow[t]{2}{*}{005} & Mcs & CTL & \begin{tabular}{l}
\([-/-/-]\) \\
[Execute]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Initializes the Mcs settings.} \\
\hline \multirow[t]{2}{*}{006} & Copier Application & CTL & \begin{tabular}{l}
\([-/-/-]\) \\
[Execute]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Initializes all copier application settings.} \\
\hline \multirow{2}{*}{007} & Fax Application & CTL & \begin{tabular}{l}
\([-/-/-]\) \\
[Execute]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Initializes the fax reset time, job login ID, all TX/RX settings, local storage file numbers, and off-hook timer.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline & Printer Application & CTL & \begin{tabular}{l}
\[
\left[\begin{array}{llll}
{[-/} & - & -1
\end{array}\right.
\] \\
[Execute]
\end{tabular} \\
\hline 008 & \multicolumn{3}{|l|}{\begin{tabular}{l}
The following service settings: \\
- Bit switches \\
- Gamma settings (User \& Service) \\
- Toner Limit \\
The following user settings: \\
- Tray Priority \\
- Menu Protect \\
- System Setting except for setting of Energy Saver \\
- I/F Setup (I/O Buffer and I/O Timeout) \\
- PCL Menu
\end{tabular}} \\
\hline \multirow{3}{*}{009} & Scanner Application & CTL & \begin{tabular}{l}
\[
\left[\begin{array}{llll}
{[-/} & - & -1
\end{array}\right.
\] \\
[Execute]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Initializes the scanner defaults for the scanner and all the scanner SP modes.} \\
\hline & \multicolumn{3}{|l|}{Deletes the network file application management files and thumbnails, and initializes the job login ID.} \\
\hline \multirow{2}{*}{010} & Web Service & CTL & \begin{tabular}{l}
[-/-/-] \\
[Execute]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Deletes the network file application management files and thumbnails, and initializes the job login ID.} \\
\hline \multirow{2}{*}{011} & NCS & CTL & \begin{tabular}{l}
\([-/-/-]\) \\
[Execute]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{All setting of Network Setup (User Menu) (NCS: Network Control Service)} \\
\hline \multirow{2}{*}{012} & R-Fax & CTL & \begin{tabular}{l}
\([-/-/-]\) \\
[Execute]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Initializes the job login ID, SmartDeviceMonitor for Admin, job history, and local storage file numbers.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[t]{2}{*}{014} & Clear DCS Setting & CTL & \begin{tabular}{l}
[-/-/-] \\
[Execute]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Initializes the DCS (Delivery Control Service) settings.} \\
\hline \multirow[t]{2}{*}{015} & Clear UCS Setting & CTL & \begin{tabular}{l}
[-/-/-] \\
[Execute]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Initializes the UCS (User Information Control Service) settings.} \\
\hline \multirow[t]{2}{*}{016} & MIRS Memory Clr & CTL & \begin{tabular}{l}
[-/-/-] \\
[Execute]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Initializes the MIRS (Machine Information Report Service) settings.} \\
\hline \multirow[t]{2}{*}{017} & CCS & CTL & \begin{tabular}{l}
[-/-/-] \\
[Execute]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Initializes the CCS (Certification and Charge-control Service) settings.} \\
\hline \multirow[t]{2}{*}{018} & SRM Memory Clr & CTL & \begin{tabular}{l}
\([-/-/-]\) \\
[Execute]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Initializes the SRM (System Resource Manager) settings.} \\
\hline \multirow[t]{2}{*}{019} & LCS Memory Clr & CTL & \begin{tabular}{l}
[-/-/-] \\
[Execute]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Initializes the LCS settings.} \\
\hline \multirow[t]{2}{*}{020} & Web Uapli & CTL & \begin{tabular}{l}
[-/-/-] \\
[Execute]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Initializes the web user application settings.} \\
\hline \multirow[t]{2}{*}{021} & ECS & CTL & \begin{tabular}{l}
[-/-/-] \\
[Execute]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Initializes the ECS settings.} \\
\hline \multirow[t]{2}{*}{023} & AICS & CTL & \begin{tabular}{l}
[-/-/-] \\
[Execute]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Initializes the AICS settings.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[t]{2}{*}{024} & BROWSER & CTL & \begin{tabular}{l}
\[
\text { [-/ - } / \text { [ }
\] \\
[Execute]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Initializes the browser settings.} \\
\hline \multirow[t]{2}{*}{025} & Websys & CTL & \begin{tabular}{l}
\[
\left[\begin{array}{lll}
{[-/-1} & -1
\end{array}\right.
\] \\
[Execute]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Initializes the Web system settings.} \\
\hline \multirow[t]{2}{*}{027} & SAS & CTL & \begin{tabular}{l}
\[
\left[\begin{array}{ll}
{[-/-1} & -1
\end{array}\right.
\] \\
[Execute]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Initializes the SAS settings.} \\
\hline
\end{tabular}
\begin{tabular}{|l|l|}
\hline \multirow{3}{*}{5803} & [INPUT Check] \\
\cline { 2 - 3 } & See page 3-1 \\
\hline
\end{tabular}
\begin{tabular}{|l|l|}
\hline \multirow{3}{*}{5804} & [OUTPUT Check] \\
\cline { 2 - 3 } & See page 3-32 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline & \multicolumn{3}{|l|}{[Anti-Condensation Heater]} \\
\hline 5805 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Switches ON/OFF dehumidify heater / dew condensation preventing heater during standby. \\
0: OFF... Switches OFF when standby (default setting) \\
1: ON... Switches ON when standby
\end{tabular}} \\
\hline 001 & 0:OFF / 1:ON & *ENG & \begin{tabular}{l}
[ 0 or \(1 / 0 / 1 /\) step] \\
0 : OFF... Switches OFF when standby (default setting) \\
1: ON... Switches ON when standby
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|l|c|l|}
\hline 5810 & [SC Reset] \\
\hline 001 & Fusing SC Reset & *ENG & {\([0\) or \(1 / 0 / 1 /\) step \(]\)} \\
\hline 002 & Hard High Temp. Detection & *ENG & {\([0\) or \(1 / 0 / 1 /\) step \(]\)} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline 5811 & [MachineSerial] \\
\hline \multirow{3}{*}{002} & Display & *ENG & [0 to 255/0/1/step] \\
\cline { 2 - 4 } & Displays serial number. & \\
\hline
\end{tabular}
\begin{tabular}{|r|l|c|l|}
\hline 5811 & \multicolumn{3}{|l|}{ [MachineSerial Set] } \\
\hline \multirow{3}{*}{004} & BCU & *ENG & [0 to \(255 / 0 / 1 /\) step \(]\) \\
\cline { 2 - 4 } & Displays/Enters serial number of BCU:FROM Same as SP5-811-001. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 5812 & \multicolumn{3}{|l|}{[Service Tel. No. Setting]} \\
\hline & Service & *CTL & [up to 20 / / / 1 /step] \\
\hline 001 & \multicolumn{3}{|l|}{Sets the telephone number for a service representative. This number is printed on the Counter List, which can be printed with the user's "Counter" menu. This can be up to 20 characters (both numbers and alphabetic characters can be input).} \\
\hline & Facsimile & *CTL & [up to \(20 /-/ 1 /\) step] \\
\hline 002 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Sets the fax or telephone number for a service representative. This number is printed on the Counter List. \\
This can be up to 20 characters (both numbers and alphabetic characters can be input).
\end{tabular}} \\
\hline \multirow[b]{2}{*}{003} & Supply & *CTL & [up to 20 / / 1/step] \\
\hline & \multicolumn{3}{|l|}{Use this to input the telephone number of your supplier for consumables. Enter the number and press \#.} \\
\hline \multirow[b]{2}{*}{004} & Operation & *CTL & [up to \(20 /-/ 1 /\) step] \\
\hline & \multicolumn{3}{|l|}{Use this to input the telephone number of your sales agency. Enter the number and press \#.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 5816 & \multicolumn{3}{|l|}{[Remote Service]} \\
\hline \multirow[t]{2}{*}{001} & I/F Setting & *CTL & \begin{tabular}{l}
[0 to \(2 / 2\) / 1/step] \\
0 : Remote service off \\
1: CSS remote service on \\
2: NRS remote service on
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Selects the remote service setting.} \\
\hline \multirow{2}{*}{002} & CE Call & *CTL & \begin{tabular}{l}
[0 or \(1 / 0\) / 1/step] \\
0 : Start of the service \\
1: End of the service
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Performs the CE Call at the start or end of the service. \\
Note \\
- This SP is activated only when SP \(5816-001\) is set to " 2 ".
\end{tabular}} \\
\hline \multirow[t]{2}{*}{003} & Function Flag & *CTL & \begin{tabular}{l}
[0 or 1 / 0 / 1/step] \\
0 : Disabled \\
1: Enabled
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Enables or disables the remote service function.} \\
\hline \multirow[t]{2}{*}{007} & SSL Disable & *CTL & \begin{tabular}{l}
[ 0 or 1 / 0 / 1/step] \\
0 : Yes. SSL not used. \\
1: No. SSL used.
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Controls if RCG (Remote Communication Gate) confirmation is done by SSL during an RCG send for the @Remote over a network interface.} \\
\hline \multirow[b]{2}{*}{008} & RCG Connect Timeout & *CTL & [1 to 90 / \(\mathbf{3 0} /\) 1second/step] \\
\hline & \multicolumn{3}{|l|}{Sets the length of time (seconds) for the time-out when the RCG (Remote Communication Gate) connects during a call via the @Remote network.} \\
\hline \multirow[b]{2}{*}{008} & RCG Connect Timeout & *CTL & [1 to 90 / \(\mathbf{3 0} /\) 1second/step] \\
\hline & \multicolumn{3}{|l|}{Sets the length of time (seconds) for the time-out when the RCG (Remote Communication Gate) connects during a call via the @Remote network.} \\
\hline \multirow[b]{2}{*}{009} & RCG Write Timeout & *CTL & [0 to 100 / 60 / 1second/step] \\
\hline & \multicolumn{3}{|l|}{Sets the length of time (seconds) for the time-out when the RCG (Remote Communication Gate) connects during a call via the @Remote network.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{010} & RCG Read Timeout & *CTL & [0 to 100 / 60 / 1second/step] \\
\hline & \multicolumn{3}{|l|}{Sets the length of time (seconds) for the timeout when sent data is written from the RCG during a call over the @Remote network.} \\
\hline \multirow[t]{2}{*}{011} & Port 80 Enable & *CTL & \begin{tabular}{l}
[ 0 or 1 / 0 / 1/step] \\
0 : No. Access denied \\
1: Yes. Access granted.
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Controls if permission is given to get access to the SOAP method over Port 80 on the @Remote network.} \\
\hline \multirow[t]{2}{*}{013} & RFU Timing & *CTL & \begin{tabular}{l}
[0 or 1 / 1 / 1/step] \\
0 : Any status of a target machine \\
1: Sleep or panel off mode only
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Selects the timing for the remote firmware updating.} \\
\hline \multirow[t]{2}{*}{014} & RCG Error Cause & CTL & \begin{tabular}{l}
[ 0 or \(1 / 0\) / 1/step] \\
0 : Initial state, normal condition \\
1: Error
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Displays RCG connection error. cause} \\
\hline \multirow[t]{2}{*}{021} & RCG - C Registed & *CTL & \begin{tabular}{l}
[ 0 or \(1 / 0\) / 1/step] \\
0 : Installation not completed \\
1: Installation completed
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{This SP displays and selects the RCG-N connection method.} \\
\hline \multirow{2}{*}{023} & connect type(N/M) & *CTL & \begin{tabular}{l}
[0 or 1 / 0 / 1/step] \\
0 : internet connection \\
1: Dial-up connection
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Displays the connection type of the NRS G/W and Cumin. \\
The value will be changed after installation completed in the case of dial-up connection.
\end{tabular}} \\
\hline \multirow[t]{2}{*}{061} & Cert Expire Timing & *CTL & \begin{tabular}{l}
[0 to 0xffffffff / 0 / 1/step] \\
0 : Not use \\
1: Use
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Sets the date for expiration notification.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[t]{2}{*}{062} & Use Proxy & *CTL & \[
\begin{aligned}
& {[0 \text { or } 1 / 0 / 1 / \text { step }]} \\
& 0: \text { Not use } \\
& 1: \text { Use }
\end{aligned}
\] \\
\hline & \multicolumn{3}{|l|}{This SP setting determines if the proxy server is used when the machine communicates with the service center.} \\
\hline \multirow[b]{2}{*}{063} & Proxy Host & *CTL & - / - - \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
This SP sets the address of the proxy server used for communication between the RCG device and the gateway. Use this SP to set up or display the customer proxy server address. \\
The address is necessary to set up the embedded RCG-N. \\
Note \\
- The address display is limited to 128 characters. Characters beyond the 128 character are ignored. \\
- This address is customer information and is not printed in the SMC report.
\end{tabular}} \\
\hline \multirow[b]{2}{*}{064} & Proxy PortNumber & *CTL & [0 to 0xffff / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
This SP sets the port number of the proxy server used for communication between the embedded RCG-N and the gateway. This setting is necessary to set up the embedded RC Gate-N. \\
Note \\
- This port number is customer information and is not printed in the SMC report.
\end{tabular}} \\
\hline \multirow[b]{2}{*}{065} & Proxy User Name & *CTL & [up to \(31 /-/ 1 /\) step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
This SP sets the HTTP proxy certification user name. The length of the name is limited to 31 characters. Any character beyond the \(31^{\text {st }}\) character is ignored. \\
Note \\
- This name is customer information and is not printed in the SMC report
\end{tabular}} \\
\hline \multirow[b]{2}{*}{066} & Proxy Password & *CTL & [up to \(31 /-/ 1 /\) step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
This SP sets the HTTP proxy certification password. \\
Note )
\(\qquad\) \\
- The length of the password is limited to 31 characters. Any character beyond the \(31^{\text {st }}\) character is ignored. \\
- This name is customer information and is not printed in the SMC report.
\end{tabular}} \\
\hline
\end{tabular}

\begin{tabular}{|c|c|c|c|c|}
\hline & \multicolumn{2}{|l|}{CERT: Error} & *CTL & [0 to 255 / 0 / 1/step] \\
\hline \multirow{8}{*}{068} & \multicolumn{4}{|l|}{Displays a number code that describes the reason for the request for update of the certification.} \\
\hline & 0 & \multicolumn{3}{|l|}{Normal. There is no request for certification update in progress.} \\
\hline & 1 & \multicolumn{3}{|l|}{Request for certification update in progress. The current certification has expired.} \\
\hline & 2 & \multicolumn{3}{|l|}{An SSL error notification has been issued. Issued after the certification has expired.} \\
\hline & 3 & \multicolumn{3}{|l|}{Notification of shift from a common authentication to an individual certification.} \\
\hline & 4 & \multicolumn{3}{|l|}{Notification of a common certification without ID2.} \\
\hline & 5 & \multicolumn{3}{|l|}{Notification that no certification was issued.} \\
\hline & 6 & \multicolumn{3}{|l|}{Notification that GW URL does not exist.} \\
\hline \multirow{2}{*}{069} & \multicolumn{2}{|l|}{CERT: Up ID} & *CTL & [-/-/-] \\
\hline & \multicolumn{4}{|l|}{} \\
\hline 083 & \multicolumn{2}{|l|}{Firm Up Status} & *CTL & \begin{tabular}{l}
[ 0 to \(5 / 0\) / 1/step] \\
0 : Waiting for accepting firm update \\
1: Waiting for firm update start schedule \\
2: Waiting for user confirmation \\
3: In preparation for the machine firm update \\
4: processing the machine firm update \\
5: processing the closing operation of the machine firm update
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{085} & Firm Up User Check & CTL & [-/-/-] \\
\hline & \multicolumn{3}{|l|}{This SP setting determines if the operator can confirm the previous version of the firmware before the firmware update execution. If the option to confirm the previous version is selected, a notification is sent to the system manager and the firmware update is done with the firmware files from the URL.} \\
\hline \multirow[b]{2}{*}{086} & Firmware Size & CTL & [-/-/-] \\
\hline & \multicolumn{3}{|l|}{Allows the service technician to confirm the size of the firmware data files during the firmware update execution.} \\
\hline \multirow[b]{2}{*}{087} & CERT:Macro Ver. & CTL & [8digits / - / 1digit/step] \\
\hline & \multicolumn{3}{|l|}{Displays the macro version of the @Remote certification. This SP displays 8-digit characters.} \\
\hline \multirow[b]{2}{*}{088} & CERT:PAC Ver. & CTL & [16digits / / / 1digit/step] \\
\hline & \multicolumn{3}{|l|}{Displays the PAC version of the @Remote certification. This SP displays 16 -digit characters.} \\
\hline \multirow[b]{2}{*}{089} & CERT:ID2Code & CTL & [17digits / - / digit/step] \\
\hline & \multicolumn{3}{|l|}{Displays ID2 for the @Remote certification. Spaces are displayed as underscores ( \()\). Asterisks (****) indicate that no @Remote certification exists. This SP displays 17-digit characters.} \\
\hline \multirow[b]{2}{*}{090} & CERT:Subject & CTL & [17digits / / / digit/step] \\
\hline & \multicolumn{3}{|l|}{Displays the common name of the @Remote certification subject. CN = the following 17 bytes. Spaces are displayed as underscores ( \(\_\)). Asterisks (****) indicate that no DESS exists.} \\
\hline \multirow[b]{2}{*}{091} & CERT:Serial No. & CTL & [16digits / - / digit/step] \\
\hline & \multicolumn{3}{|l|}{Displays serial number for the NRS certification. Asterisks ( \({ }^{* * * *)}\) indicate that no DESS exists. This SP displays 16 -digit characters} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{092} & CERT:Issuer & CTL & [30digits / / / digit/step] \\
\hline & \multicolumn{3}{|l|}{Displays the common name of the issuer of the @Remote certification. CN = the following 30 bytes. Asterisks (****)indicate that no DESS exists.} \\
\hline \multirow[b]{2}{*}{093} & CERT:Valid Start & CTL & [10digits / / / 1digit/step] \\
\hline & \multicolumn{3}{|l|}{Displays the start time of the period for which the current @Remote certification is enabled. This SP displays 10 -digit characters.} \\
\hline \multirow[b]{2}{*}{094} & CERT:Valid End & CTL & [10digits / / / 1digit/step] \\
\hline & \multicolumn{3}{|l|}{Displays the end time of the period for which the current @Remote certification is enabled. This SP displays 10 -digit characters.} \\
\hline \multirow{2}{*}{102} & CERT:Encrypt Level & *CTL & [1 to \(2 / 1 / 1 /\) step] \\
\hline & \multicolumn{3}{|l|}{Displays the encryption strength of NRS certification.} \\
\hline \multirow[b]{2}{*}{103} & - & *CTL & [ 0 to \(3 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Stores the communication method that the machine has succeeded @Remote client communication.} \\
\hline \multirow[b]{2}{*}{104} & - & *CTL & [1 to 7 / 7 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Restricts the NRSGateway destinations that are used when RCGATE operating If NRS operating, the setting will be deactivated and the destinations will not be restricted. The detail is shown below.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Input value & Host name & IPv6 address & IPv4 address \\
\hline 1 & Disabled & Disabled & Enabled \\
\hline 2 & Disabled & Enabled & Disabled \\
\hline 3 & Disabled & Enabled & Enabled \\
\hline 4 & Enabled & Disabled & Disabled \\
\hline 5 & Enabled & Disabled & Enabled \\
\hline 6 & Enabled & Enabled & Disabled \\
\hline 7 & Enabled & Enabled & Enabled \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{115} & & *CTL & [ 5 to \(255 / 5\) / 1sec. /step] \\
\hline & \multicolumn{3}{|l|}{Stores the time for judging the network information of the machine is detemined. If a network starting notification from SCS or a IPv6 address event notification has not issue within the setting time, the NRS deems that the network information is determined, and notices the configuration change notification to mediating devices.} \\
\hline \multirow[t]{2}{*}{150} & Selection Country & CTL & \begin{tabular}{l}
[0 to \(10 / 1 / 1 /\) step] \\
0: Japan \\
1: USA \\
2: Canada \\
3: UK \\
4: Germany \\
5: France \\
6: Italy \\
7: Netherlands \\
8: Belgium \\
9: Luxembourg \\
10: Spain
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Select the country where embedded RCG-M is installed in the machine. After selecting the country, you must also set the following SP codes for embedded RCG-M: \\
- SP5816-153 \\
- SP5816-154 \\
- SP5816-161
\end{tabular}} \\
\hline & Line Type AutomaticJudgment & CTL & \[
\begin{aligned}
& {[-/-/-]} \\
& \text { [Execute] }
\end{aligned}
\] \\
\hline 151 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Press [Execute]. \\
Setting this SP classifies the telephone line where embedded RCG-M is connected as either dial-up (pulse dial) or push (DTMF tone) type, so embedded RCG-M can automatically distinguish the number that connects to the outside line.
\end{tabular}} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline & Line Type Judgment Result & CTL & [0 to 9 / - / 1/step] \\
\hline 152 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Displays a number to show the result of the execution of SP5816 151. Here is a list of what the numbers mean. \\
0 : Success \\
1: In progress (no result yet). Please wait. \\
2: Line abnormal \\
3: Cannot detect dial tone automatically \\
4: Line is disconnected \\
5: Insufficient electrical power supply \\
6: Line classification not supported \\
7: Error because fax transmission in progress - ioctl() occurred. \\
8: Other error occurred \\
9: Line classification still in progress. Please wait.
\end{tabular}} \\
\hline \multirow[t]{2}{*}{153} & Selection Dial / Push & CTL & \begin{tabular}{l}
[0 or 1 / 0 / 1 /step] \\
0 : Tone Dialing Phone \\
1: Pulse Dialing Phone Inside Japan "2" may also be displayed: \\
0: Tone Dialing Phone \\
1: Pulse Dialing Phone 10PPS \\
2: Pulse Dialing Phone 20PPS
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{This SP displays the classification (tone or pulse) of the telephone line to the access point for embedded RCG-M. The number displayed ( 0 or 1 ) is the result of the execution of SP5816-151. However, this setting can also be changed manually.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{154} & \begin{tabular}{l}
Outside Line Outgoing \\
Number
\end{tabular} & CTL & [-/-1-] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
The SP sets the number that switches to PSTN for the outside connection for embedded RCG-M in a system that employs a PBX (internal line). \\
- If the execution of SP5816-151 has succeeded and embedded RCG-M has connected to the external line, this SP display is completely blank. \\
- If embedded RCG-M has connected to an internal line, then the number of the connection to the external line is displayed. \\
- If embedded RCG-M has connected to an external line, a comma is displayed with the number. The comma is inserted for a 2 sec . pause. \\
The number setting for the external line can be entered manually (including commas).
\end{tabular}} \\
\hline & Dial Up User Name & CTL & p to \(32 /-/ 1 /\) step] \\
\hline 156 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Use this SP to set a user name for access to remote dial up. Follow these rules when setting a user name: \\
- Name length: Up to 32 characters \\
- Spaces and \# allowed but the entire entry must be enclosed by double quotation marks (").
\end{tabular}} \\
\hline & Dial Up Password & CTL & [up to \(32 /-/ 1 /\) step] \\
\hline 157 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Use this SP to set a password for access to remote dial up. Follow these rules when setting a user name: \\
- Name length: Up to 32 characters \\
- Spaces and \# allowed but the entire entry must be enclosed by double quotation marks (").
\end{tabular}} \\
\hline & Local Phone Number & CTL & [up to 24 / - / 1/step] \\
\hline 161 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Use this SP to set the telephone number of the line where embedded RCG-M is connected. This number is transmitted to and used by the Call Center to return calls. \\
Limit: 24 numbers (numbers only)
\end{tabular}} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{162} & Connection Timing Adjustment Incoming & CTL & [0 to 24 / 1 / 1/step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
When the Call Center calls out to an embedded RCG-M modem, it sends a repeating ID tone (*\#1\#). This SP sets the time the line remains open to send these ID tones after the number of the embedded RCG-M modem is dialed up and connected. \\
The actual amount of time is this setting \(\times 2 \mathrm{sec}\). For example, if you set " 2 " the line will remain open for 4 sec .
\end{tabular}} \\
\hline & Access Point & CTL & [0 to 16 / 0 / 1/step] \\
\hline 163 & \multicolumn{3}{|l|}{\begin{tabular}{l}
This is the number of the dial-up access point for RCG-M. If no setting is done for this SP code, then a preset value (determined by the country selected) is used. \\
Default: 0 \\
Allowed: Up to 16 alphanumeric characters
\end{tabular}} \\
\hline & Line Connecting & CTL & \begin{tabular}{l}
[0 to 1 / 0 / 1/step] \\
0 : Sharing Fax \\
1: No Sharing Fax
\end{tabular} \\
\hline 164 & \multicolumn{3}{|l|}{\begin{tabular}{l}
This SP sets the connection conditions for the customer. This setting dedicates the line to RCG-M only, or sets the line for sharing between RCG-M and a fax unit. \\
Note \\
- If this setting is changed, the copier must be cycled off and on. \\
- SP5816 187 determines whether the off-hook button can be used to interrupt a RCG-M transmission in progress to open the line for fax transaction.
\end{tabular}} \\
\hline & Modem Serial No. & CTL & [-/-I-] \\
\hline & \multicolumn{3}{|l|}{This SP displays the serial number registered for the RCG-M.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|}
\hline \multirow[b]{2}{*}{174} & \multicolumn{2}{|l|}{Retransmission Limit} & CTL & [-/-/-] \\
\hline & \multicolumn{4}{|l|}{Normally, it is best to allow unlimited time for certification and ID2 update requests, and for the notification that the certification has been completed. However, RCG-M generates charges based on transmission time for the customer, so a limit is placed upon the time allowed for these transactions. If these transactions cannot be completed within the allowed time, do this SP to cancel the time restriction.} \\
\hline \multirow{2}{*}{187} & \multicolumn{2}{|l|}{FAX TX Priority} & CTL & \begin{tabular}{l}
[0 or 1/ 0 / 1/step] \\
0 : Disable \\
1: Enable
\end{tabular} \\
\hline & \multicolumn{4}{|l|}{This SP determines whether pushing the off-hook button will interrupt a RCG-M transmission in progress to open the line for fax transaction. This SP can be used only if SP5816 164 is set to " 0 ".} \\
\hline \multirow[t]{2}{*}{200} & Man & Polling & CTL & \begin{tabular}{l}
\[
\left[\begin{array}{ll}
{[-/-/-]}
\end{array}\right.
\] \\
[Execute]
\end{tabular} \\
\hline & \multicolumn{4}{|l|}{Performs center polling when executed.} \\
\hline \multirow{7}{*}{201} & Reg & Status & CTL & [0 to 4 / 0 / 1/step] [Execute] \\
\hline & \multicolumn{4}{|l|}{Displays the installation status as the target of NRS services.} \\
\hline & 0 & \multicolumn{3}{|l|}{Not installed as NRS machines or Cumin.} \\
\hline & 1 & \multicolumn{3}{|l|}{Installing as Cumin. Box enrollment has completed. Unable to response for the machine serching from Basil at this status.} \\
\hline & 2 & \multicolumn{3}{|l|}{Installation has completed. Unable to response for the machine serching from Basil at this status.} \\
\hline & 3 & \multicolumn{3}{|l|}{As a NRS machine, installation has completed. It cannot install as Cumin.} \\
\hline & 4 & \multicolumn{3}{|l|}{NRS modules is not being launched.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{202} & Letter Number & *CTL & [-/-/-] \\
\hline & \multicolumn{3}{|l|}{Sets the request number that is required to install Cumin.} \\
\hline \multirow[t]{2}{*}{203} & Confirm Ececute & *CTL & \begin{tabular}{l}
[-/-/-] \\
[Execute]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Executes the request number inquiry to NRS G/W.} \\
\hline \multirow[t]{2}{*}{204} & Confirm Result & CTL & \begin{tabular}{l}
[ 0 to 255 / 0 / 1/step] \\
0: Success Inquiry \\
1: Request number error \\
3: Communication error (Enabled Proxy) \\
4: Communication error (Disabled Proxy) \\
5: Proxy error (failed auth.) \\
6: Communication error \\
8: Other error (See SP5-816-208 for detail) \\
9: Processing inquiry \\
20: Failed Dial-up auth. \\
21: Failed answer tone detection \\
22: Failed career detection \\
23: Invalid modem value \\
24: Shortage of electrical current \\
25: Cable disconnected \\
26: Line occupied
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Displays the result of SP5-816-203.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[t]{2}{*}{205} & Confirm Place & CTL & \begin{tabular}{l}
[ 0 to 255 / 0 / 1/step] \\
0: Success registration \\
1: Request number error \\
3: Communication error (Enabled \\
Proxy) \\
4: Communication error (Disabled Proxy) \\
5: Proxy error (failed auth.) \\
6: Communication error \\
8: Other error (See SP5-816-208 for detail) \\
9: Processing registration \\
20: Failed Dial-up auth. \\
21: Failed answer tone detection \\
22: Failed career detection \\
23: Invalid modem value \\
24: Shortage of electrical current \\
25: Cable disconnected \\
26: Line occupied
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Displays the installed section informed from G/W for response of request number inquiry if the section is enrolled on the G/W.} \\
\hline \multirow[t]{2}{*}{206} & Register Execute & CTL & \begin{tabular}{l}
[-/-/-] \\
[Execute]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Executes the registration of Cumin.} \\
\hline \multirow{2}{*}{207} & Register Result & CTL & [ 0 to 255 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Displays the registration result. Shows the executed status of SP5-816-206.} \\
\hline \multirow[t]{2}{*}{208} & Error Code & CTL & \[
\begin{aligned}
& {[-2147483647 \text { to } 2147483647 / 0 / 0} \\
& -]
\end{aligned}
\] \\
\hline & \multicolumn{3}{|l|}{Displays the registration result of SP5-816-204.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline \multirow{6}{*}{208} & \multicolumn{2}{|l|}{Invalid modem parameter} \\
\hline & -11001 & Chat parameter error. \\
\hline & -11002 & Chat execution error. \\
\hline & -11003 & Unexpected error \\
\hline & -11004 & Disconnect operation occurred during modem communication, \\
\hline & -11005 & NCS reboot occurred during modem communication. \\
\hline \multirow{5}{*}{208} & \multicolumn{2}{|l|}{Errors with invalid procedure or settings} \\
\hline & -12002 & Attempted to inquiry or registration without obtaining the installation status. \\
\hline & -12003 & Attempted to registrate without inquiry despite un-registered status. \\
\hline & -12004 & Attempted to install with invalid certification, ID2, and without input the machine number. \\
\hline & -12005 & Executed inquiry/ registration in a invalid Cumin function and prohibited @Remote communication. \\
\hline \multirow{5}{*}{208} & -12006 & Attempted to inquiry in BOX registration completed. \\
\hline & -12007 & Registration attempted with the different request number from the number used for the last inquiry. \\
\hline & -12008 & Certificaton update failed because Job processing etc. \\
\hline & -12009 & Mismatched between ID2 in NR-RAM and ID2 in the individual certification. \\
\hline & -12010 & Not initialized the certification area. \\
\hline \multirow{5}{*}{208} & \multicolumn{2}{|l|}{Error with error response from G/W} \\
\hline & -2385 & Inappropriate international dialing prefix \\
\hline & -2387 & Not supported in the center. \\
\hline & -2389 & DB failure \\
\hline & -2390 & Program failure \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|}
\hline & -2391 & \multicolumn{3}{|l|}{Double registration of the machine} \\
\hline \multirow{7}{*}{208} & -2392 & \multicolumn{3}{|l|}{Parameter error} \\
\hline & -2393 & \multicolumn{3}{|l|}{Not managed Basil} \\
\hline & -2394 & \multicolumn{3}{|l|}{Not managed machine} \\
\hline & -2395 & \multicolumn{3}{|l|}{Invalid BOX ID of Basil} \\
\hline & -2396 & \multicolumn{3}{|l|}{Invalid Devic ID of Basil} \\
\hline & -2397 & \multicolumn{3}{|l|}{Different format of ID2 (includes invalid ID2)} \\
\hline & -2398 & \multicolumn{3}{|l|}{Different format of request number} \\
\hline \multirow{2}{*}{209} & Comm & & CTL & [-/-/-] \\
\hline & \multicolumn{4}{|l|}{Releases the machine from its embedded RCG setup.} \\
\hline \multirow{2}{*}{250} & Comm & & CTL & [-/-/-] \\
\hline & \multicolumn{4}{|l|}{Prints the content of communication \(\log\) (mmeg 8182) on @Remote.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 5821 & \multicolumn{3}{|l|}{[RCG Setting]} \\
\hline \multirow{2}{*}{002} & RCG IPv4 Address & *CTL & [00000000h to FFFFFFFFh / 00000000h / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets the IP address of the RCG (Remote Communication Gate) destination for call processing at the remote service center.} \\
\hline 5821 & \multicolumn{3}{|l|}{[Remote Service RCG Setting]} \\
\hline \multirow[b]{2}{*}{003} & Remote Service RCG Setting & *CTL & [0 to 65535/443 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets the port number of the RCG (Remote Communication Gate) destination for call processing at the remote service center.} \\
\hline 004 & RCG IPv4 URL Path & *CTL & \begin{tabular}{l}
[0 to 16 characters (half characters) \\
Default /RCG/services/ -]
\end{tabular} \\
\hline \multirow[b]{2}{*}{005} & - & *CTL & [-/ 0 / - - \\
\hline & \multicolumn{3}{|l|}{Sets the IPv6 address of the RCG destination for call processing at the remote service center.} \\
\hline
\end{tabular}
\begin{tabular}{|l|l|c|l|}
\hline \multirow{3}{*}{006} & - & \({ }^{*}\) CTL & [0 to \(15 /\) "/RCG/services/" / -] \\
\cline { 2 - 4 } & \begin{tabular}{l} 
Sets the IPv6 address of the RCG destination URL path for call processing at \\
the remote service center.
\end{tabular} \\
\hline 007 & - & \({ }^{*}\) CTL & {\([1\) to \(255 /-/-]\)} \\
\cline { 2 - 4 } & \begin{tabular}{l} 
Sets the IPv6 address of the RCG destination host name for call processing at \\
the remote service center.
\end{tabular} \\
\hline 008 & - & \begin{tabular}{l} 
*CTL
\end{tabular} & {\([0\) to \(15 /\) "/RCG/services/" / -] } \\
\cline { 2 - 5 } & \begin{tabular}{l} 
Sets the IPv6 address of the RCG host name destination URL path for call \\
processing at the remote service center.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|c|l|}
\hline \multirow{3}{*}{5824} & \multicolumn{3}{|l|}{ [NV-RAM Data Upload] } \\
\cline { 2 - 4 } & \multicolumn{2}{|l|}{ Uploads the NVRAM data to an SD card. Push Execute. } \\
\hline 001 & NV-RAM Data Upload & CTL & \begin{tabular}{l}
{\([-/-/-]\)} \\
{\([\) Execute \(]\)}
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|c|l|}
\hline \multirow{3}{*}{5825} & \multicolumn{2}{|l|}{ [NV-RAM Data Download] } & \begin{tabular}{l} 
Downloads data from an SD card to the NVRAM in the machine. After \\
downloading is completed, remove the card and turn the machine power off and \\
on.
\end{tabular} \\
\hline 001 & NV-RAM Data Download & CTL & \begin{tabular}{l}
{\([-/-/-]\)} \\
[Execute]
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 5828 & \multicolumn{3}{|l|}{[Network Setting]} \\
\hline 001 & \begin{tabular}{l}
IPv4 \\
Address(Ethernet/IEEE \\
802.11)
\end{tabular} & *CTL & [-/-/-] \\
\hline 050 & \begin{tabular}{l}
1284 Compatibility \\
(Centro)
\end{tabular} & *CTL & \begin{tabular}{l}
[0 or \(1 / 1 / 1 /\) step] \\
0 : Disabled \\
1: Enabled
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Enables or disables 1284 Compatibility.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[t]{2}{*}{052} & ECP (Centro) & *CTL & \begin{tabular}{l}
[0 or \(1 / 1 / 1 /\) step] \\
0 : Disabled \\
1: Enabled
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Enables or disables ECP Compatibility.} \\
\hline \multirow[t]{2}{*}{065} & Job Spooling & *CTL & \begin{tabular}{l}
[0 or 1 / 0 / 1/step] \\
0 : Disabled \\
1: Enabled
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Enables/disables Job Spooling.} \\
\hline \multirow[t]{2}{*}{066} & Job Spooling Clear: Start Time & *CTL & \begin{tabular}{l}
[0 or 1 / 1 / 1/step] \\
0 : ON (Data is cleared) \\
1: OFF (Automatically printed)
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Treatment of the job when a spooled job exists at power on.} \\
\hline \multirow[t]{2}{*}{069} & Job Spooling (Protocol) & *CTL & \begin{tabular}{l}
[0 or 1 / 0 / 1/step] \\
0 : Validates \\
1: Invalidates bit0: LPR \\
bit1: FTP \\
bit2: IPP \\
bit3: SMB \\
bit4: BMLinkS \\
bit5: DIPRINT \\
bit6: sftp \\
bit7: (Reserved)
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Validates or invalidates the job spooling function for each protocol.} \\
\hline 087 & Protocol usage & * CTL & [0 or \(1 / 0 \times 00000000 / 1 \mathrm{bit} / \mathrm{step}]\) \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Shows which protocols have been used with the network. \\
0 : Off (Not used the network with the protocol.) \\
1: On (Used the network with the protocol once or more.) bit0: IPsec, bit1: IPv6, bit2: IEEE 802. 1X, bit3:Wireless LAN, bit4: Security mode level setting, bit5:Appletalk, bit6: DHCP, bit7: DHCPv6, bit8: telnet, bit9: SSL, bit10: HTTPS, bit11: BMLinkS printing, bit12: diprint printing, bit13: LPR printing, bit14: ftp printing, bit15: rsh printing, bit16: SMB printing, bit17: WSD-Printer, bit18: WSD-Scanner, bit19: Scan to SMB, bit20: Scan to NCP, bit21: Reserve, bit22: Bluetooth, bit23: IEEE 1284, bit24: USB printing, bit25: Dynamic DNS, bit26: Netware printing, bit27: LLTD, bit28: IPP printing, bit29: IPP printing (SSL), bit30: ssh, bit31: sftp
\end{tabular}} \\
\hline \multirow[t]{2}{*}{090} & TELNET (0: OFF 1: ON) & * CTL & \begin{tabular}{l}
[0 or \(1 / 1 / 1 /\) step] \\
0: Disable \\
1: Enable
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Enables or disables the Telnet protocol.} \\
\hline \multirow[t]{2}{*}{091} & Web (0: OFF 1: ON) & * CTL & \begin{tabular}{l}
[ 0 or 1 / 1 / 1/step] \\
0 : Disable \\
1: Enable
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Enables or disables the Web operation.} \\
\hline 145 & Active IPv6 Link Local Address & CTL & [-/-/-] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
This is the IPv6 local address link referenced on the Ethernet or wireless LAN (802.11b) in the format: \\
"Link Local Address" + "Prefix Length" \\
The IPv6 address consists of a total 128 bits configured in 8 blocks of 16 bits each.
\end{tabular}} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 147 & \begin{tabular}{l}
SettingActive IPv6 \\
Stateless Address 1
\end{tabular} & CTL & [000000000000000000000000000000000000h to \\
\hline 149 & \begin{tabular}{l}
SettingActive IPv6 \\
Stateless Address 2
\end{tabular} & CTL & \begin{tabular}{l}
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF80h \\
/ 00000000000000000000000000000000040h / -]
\end{tabular} \\
\hline 151 & \begin{tabular}{l}
SettingActive IPv6 \\
Stateless Address 3
\end{tabular} & CTL & \begin{tabular}{l}
These SPs are the IPv6 status addresses (1 to \\
5) referenced on the Ethernet or wireless LAN (802.11b) in the format: \\
"Status Address" + "Prefix Length" \\
The IPv6 address consists of a total 128 bits configured in 8 blocks of 16 bits each.
\end{tabular} \\
\hline 153 & SettingActive IPv6 Stateless Address 4 & CTL & [000000000000000000000000000000000000h to \\
\hline 155 & \begin{tabular}{l}
SettingActive IPv6 \\
Stateless Address 5
\end{tabular} & CTL & \begin{tabular}{l}
FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF80h \\
/ 00000000000000000000000000000000040h / -]
\end{tabular} \\
\hline 156 & IPv6 Manual Address & *CTL & \begin{tabular}{l}
These SPs are the IPv6 status addresses (1 to 5) referenced on the Ethernet or wireless LAN (802.11b) in the format: \\
"Status Address" + "Prefix Length" \\
The IPv6 address consists of a total 128 bits configured in 8 blocks of 16 bits each.
\end{tabular} \\
\hline & IPv6 Gateway Address & *CTL & [00000000000000000000000000000000h to FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFh / \(00000000000000000000000000000000 \mathrm{~h} /-]\) \\
\hline & \multicolumn{3}{|l|}{This SP is the IPv6 gateway address referenced on the Ethernet or wireless LAN (802.11b). The IPv6 address consists of a total 128 bits configured in 8 blocks of 16 bits each.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[t]{2}{*}{161} & IPv6 Stateless Auto Setting & *CTL & \begin{tabular}{l}
[0 or 1 / 1 / 1/step] \\
0 : Disable \\
1: Enable
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Enables or disables the automatic setting for IPv6 stateless.} \\
\hline \multirow[b]{2}{*}{236} & Web Item visible & *CTL & [0x0000 to 0xffff / 0xffff / -] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Displays or does not display the Web system items. bit0: Net RICOH \\
bit1: Consumable Supplier \\
bit2-15: Reserved (all)
\end{tabular}} \\
\hline \multirow[t]{2}{*}{237} & Web shopping link visible & *CTL & \begin{tabular}{l}
[0 or 1 / 1 / 1/step] \\
0: Not display \\
1:Display
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Displays or does not display the link to Net RICOH on the top page and link page of the web system.} \\
\hline \multirow[t]{2}{*}{238} & Web supplies Link visible & *CTL & \begin{tabular}{l}
[Up to 31char / URL1 / 1/step] \\
0 : Not display \\
1: Display
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Displays or does not display the link to Consumable Supplier on the top page and link page of the web system.} \\
\hline \multirow[b]{2}{*}{239} & Web Link1 Name & *CTL & [Up to 31char / URL1 / 1/step] \\
\hline & \multicolumn{3}{|l|}{This SP confirms or changes the URL1 name on the link page of the web system. The maximum characters for the URL name are 31 characters.} \\
\hline \multirow[b]{2}{*}{240} & Web Link1 URL & *CTL & [Up to 127char / URL1 / 1/step] \\
\hline & \multicolumn{3}{|l|}{This SP confirms or changes the link to URL1 on the link page of the web system. The maximum characters for the URL are 127 characters.} \\
\hline \multirow[t]{2}{*}{241} & Web Link1 visible & *CTL & \begin{tabular}{l}
[Up to 31 char / URL2/ -] \\
0: Not display \\
1: Display
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Sets/displays whether to display the link of URL1 for websys top page.} \\
\hline 242 & Web Link2 Name & *CTL & \([-/-/-1\) \\
\hline
\end{tabular}
\begin{tabular}{|c|l|c|l|}
\hline 243 & Web Link2 URL & *CTL & {\([-/-/-]\)} \\
\hline 244 & Web Link2 visible & *CTL & {\([-/-/-]\)} \\
\hline 249 & DHCPv6 DUID & CTL & {\([-/-/-]\)} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{5832} & \multicolumn{3}{|l|}{[HDD Formatting]} \\
\hline & \multicolumn{3}{|l|}{Initializes the hard disk. Use this SP mode only if there is a hard disk error.} \\
\hline 001 & HDD Formatting (ALL) & CTL & \begin{tabular}{l}
\[
[-/-1-1]
\] \\
[Execute]
\end{tabular} \\
\hline 002 & HDD Formatting (IMH) & CTL & \begin{tabular}{l}
\([-/-/-]\) \\
[Execute]
\end{tabular} \\
\hline 003 & HDD Formatting (Thumbnail) & CTL & \begin{tabular}{l}
[-/-/-] \\
[Execute]
\end{tabular} \\
\hline 004 & HDD Formatting (Job Log) & CTL & \begin{tabular}{l}
[-/-/-] \\
[Execute]
\end{tabular} \\
\hline 005 & \begin{tabular}{l}
HDD Formatting (Printer \\
Fonts)
\end{tabular} & CTL & \begin{tabular}{l}
\([-/-/-]\) \\
[Execute]
\end{tabular} \\
\hline 006 & HDD Formatting (User Info1) & CTL & \begin{tabular}{l}
[-/-/-] \\
[Execute]
\end{tabular} \\
\hline 007 & Mail RX Data & CTL & \begin{tabular}{l}
[-/-/-] \\
[Execute]
\end{tabular} \\
\hline 008 & Mail TX Data & CTL & \begin{tabular}{l}
[-/-/-] \\
[Execute]
\end{tabular} \\
\hline 009 & HDD Formatting (Data for a Design) & CTL & \begin{tabular}{l}
[-/-/-] \\
[Execute]
\end{tabular} \\
\hline 010 & HDD Formatting (Log) & CTL & \begin{tabular}{l}
\([-/-/-]\) \\
[Execute]
\end{tabular} \\
\hline 011 & HDD Formatting (Ridoc I/F) & CTL & \begin{tabular}{l}
[-/-/-] \\
[Execute]
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{5836} & \multicolumn{3}{|l|}{[Capture Settings]} \\
\hline & \multicolumn{3}{|l|}{-} \\
\hline \multirow[t]{2}{*}{001} & Capture Function (0:Off 1:On) & * CTL & \begin{tabular}{l}
[ 0 or 1 / 0 / 1/step] \\
0: Disable \\
1: Enable
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{With this function disabled, the settings related to the capture feature cannot be initialized, displayed, or selected.} \\
\hline \multirow[t]{2}{*}{002} & Panel Setting & *CTL & \begin{tabular}{l}
[0 or 1/0/1/step] \\
0 : Displayed \\
1: Not displayed
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Displays or does not display the capture function buttons.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 5836 & \multicolumn{3}{|l|}{[Capture Settings]} \\
\hline 071 & Reduction for Copy Color & *CTL & \[
\begin{aligned}
& {[0 \text { or } 3 / 2 / 1 / \text { step }]} \\
& 0: 1 \text { to-1 } \\
& 1: 1 / 2 \\
& 2: 1 / 3 \\
& 3: 1 / 4
\end{aligned}
\] \\
\hline 072 & Reduction for Copy B\&W Text & *CTL & \[
\begin{aligned}
& {[0 \text { to } 3,6 / 0 / 1 / \text { step }]} \\
& 0: 1 \text { to-1 } \\
& 1: 1 / 2 \\
& 2: 1 / 3 \\
& 3: 1 / 4 \\
& 6: 2 / 3
\end{aligned}
\] \\
\hline 073 & Reduction for Copy B\&W Other & *CTL & \[
\begin{aligned}
& {[0 \text { to } 3,6 / 0 / 1 / \text { step }]} \\
& 0: 1 \text { to-1 } \\
& 1: 1 / 2 \\
& 2: 1 / 3 \\
& 3: 1 / 4 \\
& 6: 2 / 3
\end{aligned}
\] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 074 & Reduction for Printer Color & *CTL & \[
\begin{aligned}
& {[0 \text { or } 3 / 2 / 1 / \text { step }]} \\
& 0: 1 \text { to-1 } \\
& 1: 1 / 2 \\
& 2: 1 / 3 \\
& 3: 1 / 4
\end{aligned}
\] \\
\hline 075 & Reduction for Printer B\&W & *CTL & \[
\begin{aligned}
& {[0 \text { to } 3,6 / 0 / 1 / \text { step }]} \\
& 0: 1 \text { to-1 } \\
& 1: 1 / 2 \\
& 2: 1 / 3 \\
& 3: 1 / 4 \\
& 6: 2 / 3
\end{aligned}
\] \\
\hline 077 & Reduction for Printer Color 1200dpi & *CTL & \[
\begin{aligned}
& {[1,3 \text { to } 5 / 0 / 1 / \text { step }]} \\
& 1: 1 / 2 \\
& 3: 1 / 4 \\
& 4: 1 / 6 \\
& 5: 1 / 8
\end{aligned}
\] \\
\hline 078 & Reduction for Printer B\&W 1200dpi & *CTL & [0 to \(5 / 1 / 1 /\) step \(]\)
0: 1
1: \(1 / 2\)
2: \(1 / 3\)
3: \(1 / 4\)
4: \(1 / 6\)
5: \(1 / 8\) \\
\hline 081 & Format for Copy Color & *CTL & \begin{tabular}{l}
[ 0 / 0 / 1/step] \\
0: JFIF/JPEG \\
1: TIFF/MMR \\
2: TIFF/MH \\
3: TIFF/MR
\end{tabular} \\
\hline 082 & Format for Copy B\&W Text & *CTL & \begin{tabular}{l}
[ 0 to \(3 / 1 / 1 /\) step] \\
0 : JFIF/JPEG \\
1: TIFF/MMR \\
2: TIFF/MH \\
3: TIFF/MR
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 083 & Format for Copy B\&W Other & *CTL & \begin{tabular}{l}
[ 0 to \(3 / 1 / 1 /\) step] \\
0 : JFIF/JPEG \\
1: TIFF/MMR \\
2: TIFF/MH \\
3: TIFF/MR
\end{tabular} \\
\hline 084 & Format for Printer Color & *CTL & [0/0 / 1/step] \\
\hline 085 & Format for Printer B\&W & *CTL & \begin{tabular}{l}
[ 0 to \(3 / 1 / 1 /\) step] \\
0 : JFIF/JPEG \\
1: TIFF/MMR \\
2: TIFF/MH \\
3: TIFF/MR
\end{tabular} \\
\hline \multirow[b]{2}{*}{091} & Default for JPEG & *CTL & [ 5 to \(95 / 50 / 1 /\) step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Sets the JPEG format default for documents sent to the document management server via the MLB with JPEG selected as the format. \\
Enabled only when optional MLB (Media Link Board) is installed.
\end{tabular}} \\
\hline \multirow{2}{*}{101} & Primary srv IP address & *CTL & [000.000.000.000 to 255.255.255.255 / - / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets the IP address for the primary capture server. This is basically adjusted by the remote system.} \\
\hline \multirow{2}{*}{102} & Primary srv scheme & *CTL & [0 to 6 char / NULL / -/step] \\
\hline & \multicolumn{3}{|l|}{This is basically adjusted by the remote system.} \\
\hline \multirow{2}{*}{103} & Primary srv port number & *CTL & [1 to 65535 / 80 / 1/step] \\
\hline & \multicolumn{3}{|l|}{This is basically adjusted by the remote system.} \\
\hline \multirow{2}{*}{104} & Primary srv URL path & *CTL & [0 to 16 char / / / 1/step] \\
\hline & \multicolumn{3}{|l|}{This is basically adjusted by the remote system.} \\
\hline \multirow{2}{*}{111} & Secondary srv IP address & *CTL & \begin{tabular}{l}
[000.000.000.000 to \\
255.255.255.255 / / / 1/step]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Sets the IP address for the secondary capture server. This is basically adjusted by the remote system.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{112} & Secondary srv scheme & *CTL & [0 to 6 char / NULL / -/step] \\
\hline & \multicolumn{3}{|l|}{This is basically adjusted by the remote system.} \\
\hline \multirow{2}{*}{113} & Secondary srv port number & *CTL & [1 to \(65535 / 80 / 1 /\) step] \\
\hline & \multicolumn{3}{|l|}{This is basically adjusted by the remote system.} \\
\hline \multirow{2}{*}{114} & Secondary srv URL path & *CTL & [0 to 16 char / / / 1/step] \\
\hline & \multicolumn{3}{|l|}{This is basically adjusted by the remote system.} \\
\hline \multirow{2}{*}{120} & Default Reso Rate Switch & *CTL & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{This is basically adjusted by the remote system.} \\
\hline \multirow[t]{2}{*}{121} & Reso Copy(Color) & *CTL & \([0\) to \(255 / 2 / 1 /\) step \(]\)
\(0: 600 \mathrm{DPi}\)
\(1: 400 \mathrm{DPi}\)
\(2: 300 \mathrm{DPi}\)
\(3: 200 \mathrm{DPi}\)
\(4: 150 \mathrm{DPi}\)
\(5: 100 \mathrm{DPi}\)
\(6: 75 \mathrm{DPi}\) \\
\hline & \multicolumn{3}{|l|}{This is basically adjusted by the remote system.} \\
\hline \multirow[t]{2}{*}{122} & Reso: Copy(Mono) & *CTL & \begin{tabular}{l}
[0 to 255 / 3 / 1/step] \\
0: 600dpi/ \\
1: 400dpi/ \\
2: 300dpi/ \\
3: 200dpi/ \\
4: 150dpi/ \\
5: 100dpi/ \\
6: 75dpi
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{This is basically adjusted by the remote system.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[t]{2}{*}{123} & Reso Print(Color) & *CTL & \([0\) to \(255 / 2 / 1 /\) step \(]\)
\(0: 600 \mathrm{DPi}\)
\(1: 400 \mathrm{DPi}\)
\(2: 300 \mathrm{DPi}\)
\(3: 200 \mathrm{DPi}\)
4:150DPi
\(5: 100 \mathrm{DPi}\)
6:75DPi \\
\hline & \multicolumn{3}{|l|}{-} \\
\hline \multirow[t]{2}{*}{124} & Reso: Print(Mono) & *CTL & \([0\) to \(255 / 3 / 1 /\) step \(]\)
\(0: 600 \mathrm{DPi}\)
\(1: 400 \mathrm{DPi}\)
\(2: 300 \mathrm{DPi}\)
\(3: 200 \mathrm{DPi}\)
4:150DPi
5:100DPi
6:75DPi \\
\hline & \multicolumn{3}{|l|}{Selects the resolution for BW print mode. This is basically adjusted by the remote system.} \\
\hline \multirow[t]{2}{*}{126} & Reso: Fax(Mono) & *CTL & [0 to \(255 / 3 / 1 /\) step \(]\)
\(0: 600 \mathrm{DPi}\)
1:400DPi
\(2: 300 \mathrm{DPi}\)
\(3: 200 \mathrm{DPi}\)
\(4: 150 \mathrm{DPi}\)
5:100DPi
6:75DPi \\
\hline & \multicolumn{3}{|l|}{Selects the resolution for BW fax mode. This is basically adjusted by the remote system.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[t]{2}{*}{127} & Reso: Scanner(Color) & *CTL & \[
\begin{aligned}
& \text { [0 to } 255 \text { / } 4 \text { / } 1 / \text { step] } \\
& 0: 600 \mathrm{DPi} \\
& 1: 400 \mathrm{DPi} \\
& 2: 300 \mathrm{DPi} \\
& 3: 200 \mathrm{DPi} \\
& 4: 150 \mathrm{DPi} \\
& 5: 100 \mathrm{DPi} \\
& 6: 75 \mathrm{DPi}
\end{aligned}
\] \\
\hline & \multicolumn{3}{|l|}{Selects the resolution for color scanning mode. This is basically adjusted by the remote system.} \\
\hline \multirow[t]{2}{*}{128} & Reso: Scanner(Mono) & *CTL & \[
\begin{aligned}
& \text { [0 to } 255 \text { / } 3 \text { / 1/step] } \\
& 0: 600 \mathrm{DPi} \\
& 1: 400 \mathrm{DPi} \\
& 2: 300 \mathrm{DPi} \\
& 3: 200 \mathrm{DPi} \\
& 4: 150 \mathrm{DPi} \\
& 5: 100 \mathrm{DPi} \\
& 6: 75 \mathrm{DPi}
\end{aligned}
\] \\
\hline & \multicolumn{3}{|l|}{Selects the resolution for BW scanning mode. This is basically adjusted by the remote system.} \\
\hline \multirow{2}{*}{141} & All Addr Info Switch & *CTL & [ 0 or \(1 / 1 / 1 /\) step] \\
\hline & \multicolumn{3}{|l|}{-} \\
\hline 142 & Stand-by Doc Max Number & *CTL & [10 to 10000 / 2000 / 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|}
\hline 5840 & [IEEE 802.11] \\
\hline & \begin{tabular}{l|l|l} 
Channel Max & *CTL & \begin{tabular}{l}
{\([1\) to 11 or \(13 / 11\) or \(13 / 1 /\) step \(]\)} \\
Europe/Asia: 1 to 13 \\
NA/ Asia: 1 to 11
\end{tabular} \\
\hline
\end{tabular} \\
\hline 006 & \begin{tabular}{l}
Sets the maximum number of channels available for data transmission via the wireless LAN. The number of channels available varies according to location. The default settings are set for the maximum end of the range for each area. Adjust the upper 4 bits to set the maximum number of channels. DFU \\
- Do not change the setting.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{007} & Channel Min & *CTL & \begin{tabular}{l}
[1 to 11 or \(13 / 1 / 1 /\) step] \\
Europe: 1 to 13 \\
NA/ Asia: 1 to 11
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Sets the minimum number of channels available for data transmission via the wireless LAN. The number of channels available varies according to location. The default settings are set for the minimum end of the range for each area. Adjust the lower 4 bits to set the minimum number of channels. DFU Note \\
- Do not change the setting.
\end{tabular}} \\
\hline \multirow[t]{2}{*}{011} & WEP key Select & *CTL & \begin{tabular}{l}
[00 to 11 / 00 / 1binary/step] \\
00: Key \#1 \\
01: Key \#2 (Reserved) \\
10: Key \#3 (Reserved) \\
11: Key \#4 (Reserved)
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Selects the WEP key.} \\
\hline \multirow[t]{2}{*}{045} & WPA Debug Lvl & *CTL & \begin{tabular}{l}
[1 to \(3 / 3 / 1 /\) step] \\
1: Info \\
2: wArning \\
3: error
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Selects the debug level for WPA authentication application. \\
This SP is displayed only when the IEEE802.11 card is installed.
\end{tabular}} \\
\hline
\end{tabular}

\begin{tabular}{|c|c|c|c|}
\hline 5842 & \multicolumn{3}{|l|}{[GWWS Analysis]} \\
\hline \multirow[t]{2}{*}{001} & Setting 1 & *CTL & \begin{tabular}{l}
[8bit assign / 00000000 / bit switch] \\
Obit[LSB]: system, other group \\
1bit: capture related group \\
2bit: authentication related group \\
3bit: address book related group \\
4bit: device management related group \\
5bit: output related(print, FAX, and delivery) group \\
6bit: repository, F0,etc. document related group \\
7bit: debug log level suppression
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Default: \(\mathbf{0 0 0 0 0 0 0 0}\) - do not change \\
Netfiles: Jobs to be printed from the document server using a PC and the DeskTopBinder software
\end{tabular}} \\
\hline 002 & Setting 2 & *CTL & \begin{tabular}{l}
[8bit assign / 00000000 / bit switch] \\
0~6bit: unused \\
7bit: time stamp setting for 5682mmesg log. \\
(1: min. \(/ \mathrm{sec} / \mathrm{msec}, 0\) : day/hour/min./sec)
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Optional settings for debug output mode for each NFA process.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 5844 & \multicolumn{3}{|l|}{[USB]} \\
\hline \multirow[t]{2}{*}{001} & Transfer Rate & *CTL & \begin{tabular}{l}
[- / 0x04 / -] \\
\(0 \times 01\) : Full speed \\
0x04: Auto Change
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Adjusts the USB transfer rate.} \\
\hline \multirow{2}{*}{002} & Vendor ID & *CTL & [-/-/-] \\
\hline & \multicolumn{3}{|l|}{Displays the vendor ID. DFU} \\
\hline \multirow{2}{*}{003} & Product ID & *CTL & [-/-/-] \\
\hline & \multicolumn{3}{|l|}{Displays the product ID. DFU} \\
\hline \multirow{2}{*}{004} & Device Release Number & *CTL & [-/-/-] \\
\hline & \multicolumn{3}{|l|}{Displays the development release version number. DFU} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{5845} & \multicolumn{3}{|l|}{[Delivery Server Setting]} \\
\hline & \multicolumn{3}{|l|}{Provides items for delivery server settings.} \\
\hline \multirow{2}{*}{001} & FTP Port No. & *CTL & [0 to 65535 / 3670 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets the FTP port number used when image files to the Scan Router Server.} \\
\hline \multirow[t]{2}{*}{002} & IP Address (Primary) & *CTL & \[
\begin{aligned}
& {[000.000 .000 .000 \text { to }} \\
& 255.255 .255 .255 \text { / } \\
& \mathbf{0 0 0 . 0 0 0 . 0 0 0 . 0 0 0 ~ / ~ - / s t e p ] ~}
\end{aligned}
\] \\
\hline & \multicolumn{3}{|l|}{Use this SP to set the Scan Router Server address. The IP address under the transfer tab can be referenced by the initial system setting.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|}
\hline \multirow[b]{2}{*}{006} & \multicolumn{2}{|l|}{Delivery Error Display Time} & *CTL & [0 to 999 / 300 / 1 second/step] \\
\hline & \multicolumn{4}{|l|}{Use this setting to determine the length of time the prompt message is displayed when a test error occurs during document transfer with the NetFile application and an external device.} \\
\hline \multirow{2}{*}{008} & \multicolumn{2}{|l|}{IP Address (Secondary)} & *CTL & [000.000.000.000 to 255.255.255.255 / 000.000.000.000 / -/step] \\
\hline & \multicolumn{4}{|l|}{Specifies the IP address assigned to the computer designated to function as the secondary delivery server of Scan Router. This SP allows only the setting of the IP address without reference to the DNS setting.} \\
\hline \multirow[t]{2}{*}{009} & \multicolumn{2}{|l|}{Delivery Server Model} & *CTL & \begin{tabular}{l}
[0 to 4 / 0 / 1 /step] \\
0: Unknown \\
1: SG1 Provided \\
2: SG1 Package \\
3: SG2 Provided \\
4: SG2 Package
\end{tabular} \\
\hline & \multicolumn{4}{|l|}{Allows changing the model of the delivery server registered by the I/O device.} \\
\hline \multirow{10}{*}{010} & \multicolumn{2}{|l|}{Delivery Svr. Capability} & *CTL & [0 to 255/-/ 1/step] \\
\hline & \multicolumn{3}{|l|}{Bit7 1 Comment information exits} & \\
\hline & Bit6 & \multicolumn{3}{|l|}{1 Direct specification of mail address possible} \\
\hline & Bit5 & \multicolumn{3}{|l|}{1 Mail RX confirmation setting possible} \\
\hline & Bit4 & \multicolumn{3}{|l|}{1 Address book automatic update function exists} \\
\hline & Bit3 & \multicolumn{3}{|l|}{1 Fax RX delivery function exists} \\
\hline & Bit2 & \multicolumn{3}{|l|}{1 Sender password function exists} \\
\hline & Bit1 & \multicolumn{3}{|l|}{1 Function to link MK-1 user and Sender exists} \\
\hline & Bit0 & \multicolumn{3}{|l|}{1 Sender specification required (if set to 1 , Bit6 is set to "0")} \\
\hline & \multicolumn{4}{|l|}{Changes the capability of the registered that the I/O device registered.} \\
\hline \multirow{2}{*}{011} & \multicolumn{2}{|l|}{Delivery Svr Capability (Ext)} & *CTL & [0 to 255 / - / 1 /step] \\
\hline & \multicolumn{4}{|l|}{Changes the capability of the registered that the I/O device registered.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Bit7 = 1 Address book usage limitation (Limitation for each authorized user) \\
Bit6 \(=1\) RDH authorization link \\
Bit5 to 0: Not used
\end{tabular}} \\
\hline \multirow{2}{*}{013} & Server Scheme (Primary) & *CTL & [ Up to 6 char / - / -/step] \\
\hline & \multicolumn{3}{|l|}{This SP is used for the scan router program.} \\
\hline \multirow{2}{*}{014} & Server Port Number (Primary) & *CTL & [ - / - / -/step] \\
\hline & \multicolumn{3}{|l|}{This is used for the scan router program.} \\
\hline \multirow{2}{*}{015} & Server URL Path (Primary) & *CTL & [ - / - / -/step] \\
\hline & \multicolumn{3}{|l|}{This is used for the scan router program.} \\
\hline \multirow{2}{*}{016} & Server Scheme (Secondary) & *CTL & [ Up to 6 char / - / -/step] \\
\hline & \multicolumn{3}{|l|}{This SP is used for the scan router program.} \\
\hline \multirow[t]{2}{*}{017} & Server Port Number (Secondary) & *CTL & [1 to 65535 / 80 / 1/step] \\
\hline & \multicolumn{3}{|l|}{This SP is used for the scan router program.} \\
\hline \multirow{2}{*}{018} & Server URL Path (Secondary) & *CTL & [ Up to 16 byte / / -/step] \\
\hline & \multicolumn{3}{|l|}{This SP is used for the scan router program.} \\
\hline \multirow[t]{2}{*}{022} & Rapid Sending Control & *CTL & \begin{tabular}{l}
[0 or \(1 / 1\) / -/step] \\
0 : Control disabled \\
1: Control enabled
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Enables or disables the prevention function for the continuous data sending error.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 5846 & \multicolumn{3}{|l|}{[UCS Setting]} \\
\hline \multirow[b]{2}{*}{001} & Machine ID (for Delivery Server) & *CTL & [-/-1-] \\
\hline & \multicolumn{3}{|l|}{Displays the unique device ID in use by the delivery server directory. The value is only displayed and cannot be changed. This ID is created from the NIC MAC or IEEE 1394 EUI. The ID is displayed as either 6-byte or 8-byte binary.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{002} & Machine ID Clear(for Delivery Server) & *CTL & \begin{tabular}{l}
[-/ / / - \(]\) \\
[Execute]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Clears the unique ID of the device used as the name in the file transfer directory. Execute this SP if the connection of the device to the delivery server is unstable. After clearing the ID, the ID will be established again automatically by cycling the machine off and on.} \\
\hline \multirow[b]{2}{*}{003} & Maximum Entries & *CTL & [2000 to 20000 / 2000 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Changes the maximum number of entries that UCS can handle. If a value smaller than the present value is set, the UCS managed data is cleared, and the data (excluding user code information) is displayed.} \\
\hline \multirow[b]{2}{*}{006} & Delivery Server Retry Timer & *CTL & [ 0 to 255 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets the interval for retry attempts when the delivery server fails to acquire the delivery server address book.} \\
\hline \multirow[b]{2}{*}{007} & Delivery Server Retry Times & *CTL & [ 0 to 255 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets the number of retry attempts when the delivery server fails to acquire the delivery server address book.} \\
\hline \multirow{2}{*}{008} & Delivery Server Maximum Entries & *CTL & [2000 to 20000 / 2000 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets the maximum number account entries of the delivery server user information managed by UCS.} \\
\hline \multirow{2}{*}{010} & LDAP Search Timeout & *CTL & [1 to \(255 / 60 / 1 /\) step] \\
\hline & \multicolumn{3}{|l|}{Sets the length of the timeout for the search of the LDAP server.} \\
\hline \multirow{2}{*}{020} & WSD Maximum Entries & *CTL & [50 to 250 / 250 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets the maximum entries for the address book of the WSD (WS-scanner).} \\
\hline 021 & Folder Auth Change & *CTL & \begin{tabular}{l}
[0 or 1 / 0 / 1/step] \\
0: Login User, 1: Destination
\end{tabular} \\
\hline 040 & \begin{tabular}{l}
Addr Book \\
Migration(USB->HDD)
\end{tabular} & *CTL & \begin{tabular}{l}
\([-/-/-]\) \\
[Execute]
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline & Fill Addr Acl Info & *CTL & \begin{tabular}{l}
\[
\left[\begin{array}{llll}
-1 & - & -1
\end{array}\right.
\] \\
[Execute]
\end{tabular} \\
\hline 041 & \multicolumn{3}{|l|}{\begin{tabular}{l}
This SP must be executed immediately after installation of an HDD unit in a basic machine that previously had no HDD. The first time the machine is powered on with the new HDD installed, the system automatically takes the address book from the NVRAM and writes it onto the new HDD. However, the new address book on the HDD can be accessed only by the system administrator at this stage. Executing this SP by the service technician immediately after power on grants full address book access to all users. \\
Procedure \\
1. Turn the machine off. \\
2. Install the new HDD. \\
3. Turn the machine on. \\
4. The address book and its initial data are created on the HDD automatically. \\
5. However, at this point the address book can be accessed by only the system administrator or key operator. \\
6. Enter the SP mode and do SP5846-041. After this SP executes successfully, any user can access the address book.
\end{tabular}} \\
\hline \multirow[t]{2}{*}{043} & Addr Book Media & *CTL & \begin{tabular}{l}
[0 to \(30 / 0 / 1 /\) step] \\
0: Unconfirmed \\
1: SD Slot 1 \\
2: SD Slot 2 \\
3: SD Slot 3 \\
4: USB Flash ROM \\
10: SD Slot 10 \\
20: HDD \\
30: Nothing
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Displays the slot number where an address book data is in.} \\
\hline \multirow[t]{2}{*}{047} & Initialize Local Address Book & CTL & \begin{tabular}{l}
\[
\left[\begin{array}{ll}
{[-/-/-1}
\end{array}\right]
\] \\
[Execute]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Clears the local address book information, including the user code.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[t]{2}{*}{048} & Initialize Delivery Addr Book & CTL & \begin{tabular}{l}
\([-/-/-]\) \\
[Execute]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Clears the distribution address book information, except the user code.} \\
\hline \multirow[t]{2}{*}{049} & Initialize LDAP Addr Book & CTL & \begin{tabular}{l}
\([-/-/-]\) \\
[Execute]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Clears the LDAP address book information, except the user code.} \\
\hline \multirow[t]{2}{*}{050} & Initialize All Addr Book & CTL & \begin{tabular}{l}
[-/-/-] \\
[Execute]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Clears all directory information managed by UCS, including all user codes.} \\
\hline \multirow[t]{2}{*}{051} & Backup All Addr Book & CTL & \begin{tabular}{l}
[-/ / - / - \\
[Execute]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Uploads all directory information to the SD card.} \\
\hline \multirow[t]{2}{*}{052} & Restore All Addr Book & CTL & \begin{tabular}{l}
[-/-/-] \\
[Execute]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Downloads all directory information from the SD card.} \\
\hline \multirow[b]{2}{*}{053} & Clear Backup Info & CTL & \begin{tabular}{l}
\([-/-/-]\) \\
[Execute]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Deletes the address book data from the SD card in the service slot. \\
Deletes only the files that were uploaded from this machine. \\
This feature does not work if the card is write-protected. \\
Note \\
- After you do this SP, go out of the SP mode, and then turn the power off. Do not remove the SD card until the Power LED stops flashing.
\end{tabular}} \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|l|}
\hline & Search Option & \multicolumn{1}{|c|}{\({ }^{*}\) CTL } & [0x00 to 0xff / 0x0f/ 1/step] \\
\cline { 2 - 4 } & \begin{tabular}{l} 
This SP uses bit switches to set up the fuzzy search options for the UCS local \\
address book. \\
Bit: Meaning \\
0: Checks both upper/lower case characters \\
1: Japan Only \\
2: Japan Only \\
3: Japan Only \\
4 to 7: Not Used
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{062} & Complexity Option 1 & *CTL & [ 0 to \(32 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Use this SP to set the conditions for password entry to access the local address book. Specifically, this SP limits the password entry to upper case and sets the length of the password. \\
Note \\
- This SP does not normally require adjustment. \\
- This SP is enabled only after the system administrator has set up a group password policy to control access to the address book.
\end{tabular}} \\
\hline \multirow[b]{2}{*}{063} & Complexity Option 2 & *CTL & [ 0 to \(32 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Use this SP to set the conditions for password entry to access the local address book. Specifically, this SP limits the password entry to lower case and defines the length of the password.} \\
\hline \multirow[b]{2}{*}{064} & Complexity Option 3 & *CTL & [ 0 to 32 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Use this SP to set the conditions for password entry to access the local address book. Specifically, this SP limits the password entry to numbers and defines the length of the password.} \\
\hline \multirow[b]{2}{*}{065} & Complexity Option 4 & *CTL & [0 to \(32 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Use this SP to set the conditions for password entry to access the local address book. Specifically, this SP limits the password entry to symbols and defines the length of the password.} \\
\hline \multirow[b]{2}{*}{091} & FTP Auth Port Setting & *CTL & [0 to 65535 / 3671 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Specifies the FTP port for getting a distribution server address book that is used in the identification mode.} \\
\hline \multirow{2}{*}{094} & Encryption Stat & *CTL & [0 to 255 / - / 1/step] \\
\hline & \multicolumn{3}{|l|}{Shows the status of the encryption function for the address book data.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{5847} & \multicolumn{3}{|l|}{[Rep Resolution Reduction]} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
SP5847-1 through SP5847-8 changes the default settings of image data transferred externally by the Net File page reference function. SP5847-21 sets the default for JPEG image quality of image files handled by NetFile. \\
"Net files" are jobs to be printed from the document server using a PC and the DeskTopBinder software.
\end{tabular}} \\
\hline 001 & Rate for Copy Color & *CTL & \multirow[t]{2}{*}{\[
\begin{aligned}
& \text { [ } 0 \text { to } 5 / 0 / 1 / \text { step }] \\
& 0: 1 x \\
& 1: 1 / 2 x
\end{aligned}
\]} \\
\hline 002 & Rate for Copy B\&W Text & *CTL & \\
\hline 003 & Rate for Copy B\&W Other & *CTL & 2: \(1 / 3 \mathrm{x}\) \\
\hline 004 & Rate for Printer Color & *CTL & \[
\text { 3: } 1 / 4 x
\] \\
\hline 005 & Rate for Printer B\&W & *CTL & 5: \(1 / 8 \mathrm{x}\) \\
\hline 006 & Rate for Printer Color 1200dpi & *CTL & \[
\begin{aligned}
& \text { [ } 0 \text { to } 5 / 4 \text { / } 1 / \text { step] } \\
& \text { 0: } 1 x \\
& \text { 1: } 1 / 2 x \\
& \text { 2: } 1 / 3 x \\
& \text { 3: } 1 / 4 x \\
& \text { 4: } 1 / 6 x \\
& \text { 5: } 1 / 8 x
\end{aligned}
\] \\
\hline 007 & Rate for Printer B\&W 1200dpi & *CTL & \[
\begin{aligned}
& \text { [ } 0 \text { to } 5 / 1 \text { / } 1 \text { /step] } \\
& \text { 0: } 1 x \\
& \text { 1: } 1 / 2 x \\
& \text { 2: } 1 / 3 x \\
& 3: 1 / 4 x \\
& \text { 4: } 1 / 6 x \\
& 5: 1 / 8 x
\end{aligned}
\] \\
\hline & Network Quality Default for JPEG & *CTL & [5 to 95 / 50 / 1 /step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Sets the default value for the quality of JPEG images sent as NetFile pages. \\
This function is available only with the MLB (Media Link Board) option installed.
\end{tabular}} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{5848} & \multicolumn{3}{|l|}{[Web Service: Access Cnt]} \\
\hline & \multicolumn{3}{|l|}{58482 sets the 4-bit switch assignment for the access control setting. Setting of 0001 has no effect on access and delivery from Scan Router. 5848100 sets the maximum size allowed for downloaded images. The default is equal to 1 gigabyte.} \\
\hline 002 & Access Ctrl: Repository (only Lower 4 bits) & *CTL & \begin{tabular}{l}
[-/-/-] \\
0000: No access control \\
0001: Denies access to DeskTop Binder. \\
0010: No writing control
\end{tabular} \\
\hline 003 & \begin{tabular}{l}
Access Control: Doc. Svr. \\
Print (Lower 4 bits)
\end{tabular} & *CTL & \begin{tabular}{l}
\[
\left[\begin{array}{lll}
{[-/} & - & -1
\end{array}\right.
\] \\
0000: No access control \\
0001: Denies access to DeskTop Binder.
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Switches access control on and off.} \\
\hline 004 & Access Control: udirectory (Lower 4 bits) & *CTL & \begin{tabular}{l}
\[
\left[\begin{array}{lll}
{[-/} & - & -1
\end{array}\right.
\] \\
0000: No access control \\
0001: Denies access to DeskTop Binder.
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Switches access control on and off.} \\
\hline \multirow[t]{2}{*}{007} & Access Ctrl: Comm. Log Fax (Lower 4 bits) & *CTL & \begin{tabular}{l}
\[
\text { [- / - } / \text { / - }
\] \\
0000: No access control \\
0001: Denies access to DeskTop Binder.
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Switches access control on and off.} \\
\hline \multirow[t]{2}{*}{009} & Access Ctrl: Job Ctrl (Lower 4 bits) & *CTL & \begin{tabular}{l}
\[
\left[\begin{array}{ll}
{[-/-/-]}
\end{array}\right.
\] \\
0000: No access control 0001: Denies access to DeskTop Binder.
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Switches access control on and off.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[t]{2}{*}{011} & \begin{tabular}{l}
Access Ctrl: \\
Devicemanagement (Lower 4bits)
\end{tabular} & *CTL & \begin{tabular}{l}
\[
[-/-/-1
\] \\
0000: No access control 0001: Denies access to DeskTop Binder.
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Switches access control on and off.} \\
\hline \multirow[t]{2}{*}{021} & Access Ctrl: Delivery (Lower 4 bits) & *CTL & \begin{tabular}{l}
[-/ / - / - \\
0000: No access control \\
0001: Denies access to DeskTop Binder.
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Switches access control on and off.} \\
\hline \multirow[t]{2}{*}{022} & Access Ctrl: uadministration (Lower 4bits) & *CTL & \begin{tabular}{l}
\[
[-/-/-]
\] \\
0000: No access control \\
0001: Denies access to DeskTop Binder.
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Switches access control on and off.} \\
\hline 024 & Access Ctrl: Log Service (Lower 4bits) & *CTL & \begin{tabular}{l}
\[
\left[\begin{array}{ll}
{[-/-/-]}
\end{array}\right.
\] \\
0000: No access control \\
0001: Denies access to DeskTop Binder.
\end{tabular} \\
\hline 099 & Repository: Download Image Setting & *CTL & DFU \\
\hline 100 & Repository: Download Image Max. Size & *CTL & [1 to 2048 / 2048 / 1 MB /step] \\
\hline 217 & Setting: Timing & *CTL & NIA \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 5849 & \multicolumn{3}{|l|}{[Installation Date]} \\
\hline 001 & Display & *CTL & [-/-/-] \\
\hline 002 & Switch to Print & *CTL & \begin{tabular}{l}
[0 or 1/1/1/step] \\
0: OFF (No Print) \\
1: ON (Print)
\end{tabular} \\
\hline 003 & Setup Count & *CTL & [0 to 99999999 / 0 / 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 5850 & \multicolumn{3}{|l|}{[Address Book Function]} \\
\hline 003 & Replacement of Circuit Classifications & *CTL & \[
\begin{aligned}
& \text { [0 to 13 / } 1 \text { / 1/step] } \\
& \text { 1: G3 } \\
& \text { 2: EXT } \\
& \text { 3: G3-1 } \\
& \text { 4: G3-1- EXT } \\
& \text { 5: G3-2 } \\
& \text { 6: G3-2- EXT } \\
& \text { 7: G3-3 } \\
& \text { 8: G3-3-EXT } \\
& \text { 9: G3-idle-EXT } \\
& \text { 10: idle-EXT } \\
& \text { 11: I-G3 } \\
& \text { 12: I-G3-EXT } \\
& \text { 13: G4 }
\end{aligned}
\] \\
\hline
\end{tabular}
\begin{tabular}{|r|l|c|l|}
\hline 5851 & \multicolumn{3}{|l|}{ [Bluetooth] } \\
\hline \multirow{3}{*}{001} & mode & \({ }^{*} \mathrm{CTL}\) & {\([0\) or \(1 / 0 / 1 /\) step \(]\)} \\
\cline { 2 - 4 } & Sets the operation mode for the Bluetooth Unit. Press either key. \\
\hline
\end{tabular}
\begin{tabular}{|c|l|c|l|}
\hline 58553 & [Stamp Date Download] \\
\cline { 2 - 4 } & \begin{tabular}{l} 
Push [Execute] to download the fixed stamp data from the machine ROM onto \\
the hard disk. Then these stamps can be used by the system. If this is not done, \\
the user will not have access to the fixed stamps ("Confidential", "Secret", etc.). \\
You must always execute this SP after replacing the HDD or after formatting the \\
HDD. Always switch the machine off and on after executing this SP.
\end{tabular} \\
\hline 001 & - & CTL & {\([-/-/-]\)} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{3}{*}{5856} & \multicolumn{2}{|l|}{ [Remote ROM Update] } \\
\cline { 2 - 4 } & \begin{tabular}{l} 
Allows the technician to upgrade the firmware using a local port (IEEE1284) \\
when updating the remote ROM.
\end{tabular} \\
\hline 002 & Local Port & *CTL & \begin{tabular}{l} 
[0 or \(1 / 0\) / 1/step] \\
0: Disable \\
1: Enable
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{5857} & \multicolumn{3}{|l|}{[Debug Log Save]} \\
\hline & \multicolumn{3}{|l|}{Do not use this SP to capture debug logs. Use the captured log function instead of this SP.} \\
\hline & Save Debug Log & *CTL & [0 to \(2 / 0\) / 1/Step] \\
\hline 001 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Enables log trace function or debug log saving function. The debug log cannot be captured until this feature is switched on. \\
- 0 : Enables log trace function \\
- 1: Enables debug log saving function \\
- 2: OFF \\
(4) Note \\
- If " 0 " is selected, it disables the settings of SP5857-002 to 013 and gives executing failure. If " 1 " is selected, it disables ordinarily saving function; however, SP5857-101 to 112 are able to execute.
\end{tabular}} \\
\hline 002 & Target (2:HDD 3:SD) & *CTL & \[
\begin{aligned}
& \text { [ } 1 \text { to } 3 / 2 / 1 / \text { step] } \\
& \text { 1:IC Card } \\
& \text { 2: HDD } \\
& \text { 3: SD Card }
\end{aligned}
\] \\
\hline & \multicolumn{3}{|l|}{Sets the storage location for the debug log.} \\
\hline & Save to HDD & *CTL & [-999999 to 9999999 / / 1/step] \\
\hline 005 & \multicolumn{3}{|l|}{Saves the debug log of the input SC number in memory to the HDD. A unique file name is generated to avoid overwriting existing file names on the SD Card. Up to 4MB can be copied to an SD Card. 4 MB segments can be copied one by one to each SD Card.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{006} & Save to SD Card & *CTL & [-999999 to 9999999 / / 1/step] \\
\hline & \multicolumn{3}{|l|}{Saves the debug log of the input SC number in memory to the SD card.} \\
\hline \multirow[b]{2}{*}{009} & Copy HDD to SD Card (Latest 4MB) & *CTL & \begin{tabular}{l}
\([-/-/-]\) \\
[Execute]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Takes the most recent 4 MB of the log written to the hard disk and copies them to the SD Card. \\
A unique file name is generated to avoid overwriting existing file names on the SD Card. Up to 4MB can be copied to an SD Card. 4 MB segments can be copied one by one to each SD Card.
\end{tabular}} \\
\hline \multirow[b]{2}{*}{010} & Copy HDD to SD Card (Latest 4MB Any Key) & *CTL & \begin{tabular}{l}
[-/-/-] \\
[Execute]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Takes the log of the specified key from the log on the hard disk and copies it to the SD Card. \\
A unique file name is generated to avoid overwriting existing file names on the SD Card. Up to 4 MB can be copied to an SD Card. 4 MB segments can be copied one by one to each SD Card. This SP does not execute if there is no log on the HDD with no key specified.
\end{tabular}} \\
\hline \multirow[t]{2}{*}{011} & Erase HDD Debug Data & *CTL & \begin{tabular}{l}
[-/-/-] \\
[Execute]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Erases all debug logs on the HDD} \\
\hline \multirow[b]{2}{*}{012} & Erase SD Card Debug Data & *CTL & \begin{tabular}{l}
[-/-/-] \\
[Execute]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Erases all debug logs on the SD Card. If the card contains only debugging files generated by an event specified by SP5858, the files are erased when SP5857 010 or 011 is executed. \\
To enable this SP, the machine must be cycled off and on.
\end{tabular}} \\
\hline \multirow[t]{2}{*}{013} & Free Space on SD Card & *CTL & \begin{tabular}{l}
[-/-/-] \\
[Execute]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Displays the amount of space available on the SD card.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{014} & Copy SD to SD (Latest 4MB) & *CTL & \begin{tabular}{l}
[-/-/-] \\
[Execute]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Copies the most recent 4 MB of the debug log from an SD card to a different SD card.} \\
\hline \multirow{2}{*}{015} & \begin{tabular}{l}
Copy SD to SD (Latest 4MB \\
Any Key)
\end{tabular} & *CTL & \begin{tabular}{l}
[-/-/-] \\
[Execute]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{This SP copies the log on an SD card (the file that contains the information written directly from shared memory) to a log specified by key number.} \\
\hline \multirow[t]{2}{*}{016} & Make HDD Debug & *CTL & \begin{tabular}{l}
\([-/-/-]\) \\
[Execute]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{This SP creates a 32 MB file to store a log on the HDD.} \\
\hline \multirow[t]{2}{*}{017} & Make SD Debug & *CTL & \begin{tabular}{l}
[-/-/-] \\
[Execute]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{This SP creates a 4 MB file to store a log on an SD card.} \\
\hline \multirow{2}{*}{101} & Debug Logging Start Date & *CTL & [- / 20120101 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets start date of the debug log output.} \\
\hline \multirow{2}{*}{102} & Debug Logging End Date & *CTL & [- / 20371212 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Sets end date of the debug log output.} \\
\hline \multirow[t]{2}{*}{103} & Acquire All Debug Logs & *CTL & \begin{tabular}{l}
\[
\left[\begin{array}{ll}
{[-/-/-1}
\end{array}\right]
\] \\
[Execute]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Obtains all debug logs.} \\
\hline \multirow[t]{2}{*}{104} & \begin{tabular}{l}
Acquire Only Controller \\
Debug
\end{tabular} & *CTL & \begin{tabular}{l}
[-/-/-] \\
[Execute]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Obtains controller debug log only.} \\
\hline \multirow[t]{2}{*}{105} & Acquire Only Engine Debug Logs & *CTL & \begin{tabular}{l}
\[
\left[\begin{array}{ll}
{[-/-/-]}
\end{array}\right.
\] \\
[Execute]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Obtains engine debug log only.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[t]{2}{*}{106} & Acquire Only Snapshot Debug Logs & *CTL & \[
\begin{aligned}
& {[-/-/-]} \\
& \text { [Execute] }
\end{aligned}
\] \\
\hline & \multicolumn{3}{|l|}{Obtains snapshot debug log only.} \\
\hline \multirow[t]{2}{*}{107} & \begin{tabular}{l}
Acquire Only Opepanel \\
Debug Logs
\end{tabular} & *CTL & \begin{tabular}{l}
[ [- / - \\
[Execute]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Outputs the controller debug log to the media inserted front I/F.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{5858} & \multicolumn{3}{|l|}{[Debug Log Save: SC]} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
These SPs select the content of the debugging information to be saved to the destination selected by SP5857-002. \\
SP5858-3 stores one SC specified by number. Refer to Section 4 for a list of SC error codes.
\end{tabular}} \\
\hline \multirow[t]{2}{*}{001} & \begin{tabular}{l}
Engine SC Error \\
(0: OFF, 1: ON)
\end{tabular} & *CTL & \[
\begin{aligned}
& \text { [0 or } 1 / 0 / 1 / \text { step }] \\
& \text { 0: OFF } \\
& \text { 1: ON }
\end{aligned}
\] \\
\hline & \multicolumn{3}{|l|}{Turns on/off the debug save for SC codes generated by copier engine errors.} \\
\hline \multirow[t]{2}{*}{002} & \begin{tabular}{l}
Controller SC Error \\
(0: OFF, 1: ON)
\end{tabular} & *CTL & \[
\begin{aligned}
& {[0 \text { or } 1 / 0 / 1 / \text { step }]} \\
& 0: \text { OFF } \\
& \text { 1: ON }
\end{aligned}
\] \\
\hline & \multicolumn{3}{|l|}{Turns on/off the debug save for SC codes generated by GW controller errors.} \\
\hline \multirow{2}{*}{003} & Any SC Error & *CTL & [0 to 65535 / 0 / 1 /step] \\
\hline & \multicolumn{3}{|l|}{Sets the SC code whose logs are collected.} \\
\hline \multirow[t]{2}{*}{004} & Jam(0: OFF 1: ON) & *CTL & \[
\begin{aligned}
& \text { [0 or } 1 / 0 / 1 / \text { step }] \\
& \text { 0: OFF } \\
& \text { 1: ON }
\end{aligned}
\] \\
\hline & \multicolumn{3}{|l|}{Turns on/off the debug save for jam errors.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{5859} & \multicolumn{3}{|l|}{[Debug Log SaveKey]} \\
\hline & \multicolumn{3}{|l|}{These SPs allow you to set up to 10 keys for log files for functions that use common memory on the controller board.} \\
\hline 001 & Key 1 & *CTL & \multirow{10}{*}{[-9999999 to 9999999 / \(0 / 1\)
/step]} \\
\hline 002 & Key 2 & *CTL & \\
\hline 003 & Key 3 & *CTL & \\
\hline 004 & Key 4 & *CTL & \\
\hline 005 & Key 5 & *CTL & \\
\hline 006 & Key 6 & *CTL & \\
\hline 007 & Key 7 & *CTL & \\
\hline 008 & Key 8 & *CTL & \\
\hline 009 & Key 9 & *CTL & \\
\hline 010 & Key 10 & *CTL & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 5860 & \multicolumn{3}{|l|}{[SMTP/POP3/IMAP4]} \\
\hline & Partial Mail Receive Timeout & *CTL & [1 to 168 / 72 / 1 hour/step] \\
\hline 020 & \multicolumn{3}{|l|}{Sets the amount of time to wait before saving a mail that breaks up during reception. The received mail is discarded if the remaining portion of the mail is not received during this prescribed time.} \\
\hline 021 & MDN Response RFC2298 Compliance & *CTL & \[
\begin{aligned}
& \text { [0 or } 1 / 1 / 1 / \text { step }] \\
& 0 \text { : No } \\
& \text { 1: Yes }
\end{aligned}
\] \\
\hline & \multicolumn{3}{|l|}{Determines whether RFC2.5298 compliance is switched on for MDN reply mail.} \\
\hline \multirow[t]{2}{*}{022} & SMTP Auth. From Field Replacement & *CTL & \begin{tabular}{l}
[ 0 to \(1 / 0 / 1 /\) step] \\
0 : No. "From" item not switched. \\
1: Yes. "From item switched.
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Determines whether the FROM item of the mail header is switched to the validated account after the SMTP server is validated.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline & SMTP Auth. Direct Setting & *CTL & [0 to 255 / 0 / - /step] \\
\hline 025 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Selects the authentication method for SMPT. \\
Bit switch: \\
Bit 0: LOGIN \\
Bit 1: PLAIN \\
Bit 2: CRAM MD5 \\
Bit 3: DIGEST MD5 \\
Bit 4 to 7 : Not used \\
(1)Note \\
- This SP is activated only when SMTP authorization is enabled by UP mode.
\end{tabular}} \\
\hline 026 & S/MIME: MIME Header & *CTL & \begin{tabular}{l}
[ 0 to 2 / 0 / 1 /step] \\
0 : Microsoft Outlook Express standard \\
1: Internet Draft standard \\
2: RFC standard
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Selects the MIME header type of an E-mail sent by S/MIME.} \\
\hline 028 & \begin{tabular}{l}
S/MIME: Authentication \\
Check
\end{tabular} & *CTL & \begin{tabular}{l}
[ 0 to 1 / 0 / 1/step] \\
0: No (not check) \\
1: Yes (check)
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Specifys whether to check destination certificate when sending S/MIME mail.} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline 5866 & \multicolumn{3}{|l|}{} \\
\hline 001 & Remail Report] Validity & CTL & \begin{tabular}{l} 
[0 or \(1 / 0 / 1 /\) step] \\
\(0:\) Enabled \\
\(1:\) Disabled
\end{tabular} \\
\hline 005 & Add Date Field & CTL & \begin{tabular}{l} 
[0 or \(1 / 0 / 1 /\) step] \\
\(0:\) Enabled \\
\(1:\) Disabled
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 5870 & \multicolumn{3}{|l|}{[Common Key Info Writing]} \\
\hline \multirow[t]{2}{*}{001} & Writing & CTL & \begin{tabular}{l}
[-/-/-] \\
[Execute]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Writes the authentication data (used for NRS) in the memory.} \\
\hline \multirow[t]{2}{*}{003} & Initialize & CTL & \begin{tabular}{l}
\([-1-/-]\) \\
[Execute]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Initializes the authentication data in the memory.} \\
\hline \multirow[t]{2}{*}{004} & Writing: 2048bit & CTL & \begin{tabular}{l}
[-/-/-] \\
[Execute]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Writes the authentication data 2048bit (used for NRS) in the memory.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 5873 & \multicolumn{3}{|l|}{[SD Card Appli Move]} \\
\hline \multirow{2}{*}{001} & Move Exec & CTL & \begin{tabular}{l}
\[
\left[\begin{array}{lll}
{[-/-1} & -1
\end{array}\right.
\] \\
[Execute]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{This SP copies the application programs from the original SD card in SD card slot 2 to an SD card in SD card slot 1.} \\
\hline \multirow[b]{2}{*}{002} & Undo Exec & CTL & \begin{tabular}{l}
\[
[-/-1-1]
\] \\
[Execute]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{This SP copies back the application programs from an SD card in SD Card Slot 2 to the original SD card in SD card slot 1. Use this menu when you have mistakenly copied some programs by using "Move Exec" (SP5873-1).} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{3}{|l|}{} & \multicolumn{3}{|l|}{} \\
\hline 5875 & [SC Auto Reboot \(]\) & \\
\cline { 2 - 4 } & - & * CTL & {\([0\) or \(1 / 0 / 1 /\) step \(]\)} \\
\hline 001 & Reboot Setting & *CTL & \begin{tabular}{l}
{\([0\) or \(1 / 0 / 1 /\) step \(]\)} \\
\(0:\) Manual reboot \\
\(1:\) Automatic reboot
\end{tabular} \\
\hline 002 & Reboot Type &
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 5878 & \multicolumn{3}{|l|}{[Option Setup]} \\
\hline \multirow{2}{*}{001} & Data Overwrite Security & CTL & \begin{tabular}{l}
\[
\left[\begin{array}{llll}
{[-/} & - & -1
\end{array}\right.
\] \\
[Execute]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Enables the Data Overwrite Security unit. Press "Execute" on the operation panel. Then turn the machine off and on.} \\
\hline \multirow[t]{2}{*}{002} & Data Overwrite Security & CTL & \begin{tabular}{l}
\[
\text { [- / - } / \text { [-] }
\] \\
[Execute]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Executes the setup for encryption.} \\
\hline \multirow[t]{2}{*}{004} & OCR Dictionary & CTL & \begin{tabular}{l}
\([-/-/-]\) \\
[Execute]
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{-} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{2}{*}{5881} & \multicolumn{4}{|l|}{ [Fixed Phrase Block Erasing] } \\
\hline \multirow{3}{*}{001} & - & CTL & {\([-/-/-]\)} \\
\cline { 2 - 4 } & Delets the fixed pharase & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 5885 & \multicolumn{3}{|l|}{[Set WIM Function] Web Image Monitor Settings} \\
\hline 020 & DocSvr Acc Ctrl & *CTL & ```
[ 0 or \(1 / 0 / 1 /\) step]
0: OFF
1: ON
Bit Meaning
0 : Forbid all document server
access (1)
1: Forbid user mode access (1)
2: Forbid print function (1)
3: Forbid fax TX (1)
4: Forbid scan sending (1)
5: Forbid downloading (1)
6: Forbid delete (1)
7: Reserved
``` \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[t]{2}{*}{050} & DocSvr Format & *CTL & \begin{tabular}{l}
[0 to \(2 / 0 / 1 /\) step] \\
0: Thumbnail, 1: Icon, 2: Details
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Selects the display type for the document box list.} \\
\hline \multirow{2}{*}{051} & DocSvr Trans & *CTL & [ 5 to \(20 / 10 / 1 /\) step] \\
\hline & \multicolumn{3}{|l|}{Sets the number of documents to be displayed in the document box list.} \\
\hline \multirow[t]{2}{*}{100} & Set Signature & *CTL & \begin{tabular}{l}
[0 to \(2 / 0\) / 1/step] \\
0 : Setting for each e-mail \\
1: Signature for all \\
2: No signature
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Selects whether the signature is added to the scanned documents with the WIM when they are transmitted by an e-mail.} \\
\hline \multirow[t]{2}{*}{101} & Set Encrypsion & *CTL & \begin{tabular}{l}
[0 to \(1 / 0 / 1\) ] \\
0 : Not encrypted \\
1: Encryption
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Determines whether the scanned documents with the WIM are encrypted when they are transmitted by an e-mail.} \\
\hline 200 & Detect Mem Leak & *CTL & \multirow{2}{*}{Not Used} \\
\hline 201 & DocSvr Timeout & *CTL & \\
\hline
\end{tabular}
\begin{tabular}{|r|l|c|l|}
\hline 5886 & \multicolumn{3}{|l|}{\(\left[\begin{array}{l}\text { [-] }\end{array}\right.\)} \\
\hline 100 & - & CTL & {\([0\) or \(1 / 0 / 1 /\) step \(]\)} \\
\cline { 2 - 4 } & \begin{tabular}{l} 
Sets whether to do a version-up check when updating a firmware in the \\
package.
\end{tabular} \\
\hline 100 & - & CTL & {\([0\) or \(1 / 0 / 1 /\) step \(]\)} \\
\cline { 2 - 5 } & \begin{tabular}{l} 
Sets whether to update firmwares individually in the machine when updating a \\
firmware in the package.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{5887} & \multicolumn{3}{|l|}{[SD GetCounter]} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
This SP sends a text file to an SD card inserted in SD card Slot 2 (lower slot). \\
The operation stores. \\
The file is stored in a folder created in the root directory of the SD card called SD_COUNTER. \\
The file is saved as a text file (*.txt) prefixed with the number of the machine. \\
1. Insert the SD card in SD card Slot 2 (lower slot). \\
2. Select SP5887 then touch [Execute]. \\
Touch [Execute] in the message when you are prompted. \\
Note \(\qquad\) \\
- "SD_COUNTER" folder must be created under the root directory of the SC card before this SP is executed.
\end{tabular}} \\
\hline 001 & SD GetCounter & CTL & \begin{tabular}{l}
[-/ /-/ - \\
[Execute]
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|l|}
\hline 5888 & \multicolumn{3}{|l|}{ [Personal Information Protect] } \\
\hline \multirow{3}{*}{001} & Personal Information Protect & *CTL & [0 or 1/0 / 1/step]
\end{tabular} \begin{tabular}{l} 
Selects the protection level for logs. \\
\begin{tabular}{l} 
0: No authentication, No protection for logs \\
1: No authentication, Protected logs (only an administrator can see the logs)
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline 5893 & \multicolumn{2}{|l|}{} \\
\hline 001 & SDEK Apli Cnt Name] & CTL & \begin{tabular}{l}
{\([-/-/-]\)} \\
{\([\) Display text \(]\)}
\end{tabular} \\
\hline 002 & SDK-2 & CTL & \begin{tabular}{l}
{\([-/-/-]\)} \\
{\([\) Display text \(]\)}
\end{tabular} \\
\hline 003 & SDK-3 & CTL & \begin{tabular}{l}
{\([-/-/-]\)} \\
{\([\) Display text \(]\)}
\end{tabular} \\
\hline 004 & SDK-4 & CTL & \begin{tabular}{l}
{\([-/-/-]\)} \\
{\([\) Display text \(]\)}
\end{tabular} \\
\hline 005 & SDK-5 & CTL & \begin{tabular}{l}
{\([-/-/-]\)} \\
{\([\) Display text \(]\)}
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|l|}
\hline 006 & SDK-6 & CTL & \begin{tabular}{l}
{\([-/-/-]\)} \\
{\([\) Display text \(]\)}
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{3}{*}{5894} & \multicolumn{3}{|l|}{} \\
\cline { 2 - 4 } & TExternal Counter Setting \(]\) & \\
\cline { 2 - 4 } 0 & Test Name1_1 & Switch Charge Mode & CTL \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{2}{*}{5895} & \multicolumn{4}{|l|}{} \\
\cline { 2 - 4 } & [Application invalidation \(]\) \\
\hline 001 & Printer & CTL & {\([-/-/-]\)} \\
\hline 002 & Scanner & CTL & {\([-/-/-]\)} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 5900 & \multicolumn{3}{|l|}{[Engine Log Upload]} \\
\hline \multirow{2}{*}{001} & Pattern & *ENG & [ 0 to 4 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Specifies target module group for engine log up load.} \\
\hline \multirow{2}{*}{002} & Trigger & *ENG & [ 0 to \(3 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Specifies target trigger group for engine log up load.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 5907 & \multicolumn{3}{|l|}{[Plug \& Play Maker/Model Name]} \\
\hline & \begin{tabular}{l}
Plug \& Play \\
Maker/Model/Name
\end{tabular} & *CTL & [-/-/-] \\
\hline 001 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Selects the brand name and the production name for Windows Plug \& Play. This information is stored in the NVRAM. If the NVRAM is defective, these names should be registered again. \\
After selecting, press the "Original Type" key and "\#" key at the same time. When the setting is completed, the beeper sounds five times.
\end{tabular}} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{2}{*}{5913} & \multicolumn{3}{|l|}{ [Switchover Permission Time] } \\
\cline { 2 - 4 } & - & *CTL & \begin{tabular}{l} 
[3 to 30, immediate / 3 / \\
1 sec/step]
\end{tabular} \\
\hline 002 & Print Application &
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline 5919 & \multicolumn{3}{|l|}{ [State of Encryption] } \\
\cline { 2 - 4 } & - & *CTL & \begin{tabular}{l} 
[0 or \(1 / 0\) / 1/step] \\
0: OFF (Not working) \\
\(1: ~ O N ~(W o r k i n g) ~\)
\end{tabular}
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{3}{|l|}{} & \multicolumn{2}{|l|}{ [Copy Server: Set Function] } \\
\cline { 2 - 4 } & \multicolumn{1}{l|}{\begin{tabular}{l} 
Enables and disables the document server. This is a security measure that \\
prevents image data from being left in the temporary area of the HDD. After \\
changing this setting, you must switch the main switch off and on to enable the \\
new setting.
\end{tabular}} \\
\hline 001 & (0: ON 1: OFF) & *CTL & \begin{tabular}{l} 
[0 or 1/0 / 1/step] \\
0: ON \\
1: OFF
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|c|l|}
\hline 5974 & \multicolumn{3}{|l|}{ [Cherry Server] } \\
\hline \multirow{3}{*}{001} & (0:Light 1:Full) & CTL & [0 or 1/0/-] \\
\cline { 2 - 4 } & \multicolumn{2}{|l|}{ Switches Light or Full ver.of the cherry application. } \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{5985} & \multicolumn{3}{|l|}{[Device Setting]} \\
\hline & \multicolumn{3}{|l|}{The NIC and USB support features are built into the GW controller. Use this SP to enable and disable these features. In order to use the NIC and USB functions built into the controller board, these SP codes must be set to "1".} \\
\hline & On Board NIC & CTL & \begin{tabular}{l}
[0 to 2 / 0 / 1/step] \\
0 : Disable \\
1: Enable \\
2: Function limitation
\end{tabular} \\
\hline 001 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Switches Light or Full ver.of the cherry application. \\
When the "Function limitation" is set, "On board NIC" is limited only for the NRS or LDAP/NT authentication. \\
Note \\
- Other network applications than NRS or LDAP/NT authentication are not available when this SP is set to "2". Even though you can change the initial settings of those network applications, the settings do not work.
\end{tabular}} \\
\hline & On Board USB & CTL & [ 0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Switches Light or Full ver.of the cherry application.} \\
\hline
\end{tabular}
\begin{tabular}{|c|l|l|l|}
\hline 5990 & [SP Print Mode] & \\
\hline 001 & All (Data List) & CTL & {\([-/-/-]\)} \\
\hline 002 & SP (Mode Data List) & CTL & {\([-/-/-]\)} \\
\hline 003 & User Program & CTL & {\([-/-/-]\)} \\
\hline 004 & Logging Data & {\([-/-/-]\)} \\
\hline 005 & Diagnostic Report & CTL & {\([-/-/-]\)} \\
\hline 006 & Non-Default & CTL & {\([-/-/-]\)} \\
\hline 007 & NIB Summary & {\([-/-/-]\)} \\
\hline 008 & Capture Log & CTL & {\([-/-/-]\)} \\
\hline 021 & Copier User Program & CTL & {\([-/-/-]\)} \\
\hline
\end{tabular}
\begin{tabular}{|c|l|c|l|}
\hline 022 & Scanner SP & CTL & {\([-/-/-]\)} \\
\hline 023 & Scanner User Program & CTL & {\([-/-/-]\)} \\
\hline 024 & SDK/J Summary & CTL & {\([-/-/-]\)} \\
\hline 025 & SDK/J Application Info & CTL & {\([-/-/-]\)} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{3}{*}{5991} & \multicolumn{3}{|l|}{ [Kit Summary Print] } \\
\cline { 2 - 4 } & \multicolumn{3}{|l|}{ Outputs the summary of toner bottle log information. } \\
\hline 001 & - & CTL & {\([-/-/-]\)} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{5992} & \multicolumn{3}{|l|}{[SP Text mode]} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Exports the SMC sheet data to the SD Card. \\
Press "Execute" key to start exporting the SMC data in the SP mode display.
\end{tabular}} \\
\hline 001 & All (Data List) & - & \\
\hline 002 & SP (Mode Data List) & - & \\
\hline 003 & User Program & - & \\
\hline 004 & Logging Data & - & \\
\hline 005 & Diagnostic Report & - & \\
\hline 006 & Non-Default & - & \\
\hline 007 & NIB Summary & - & [-/-/-] \\
\hline 008 & Capture Log & - & [Execute] \\
\hline 021 & Copier User Program & - & \\
\hline 022 & Scanner SP & - & \\
\hline 023 & Scanner User Program & - & \\
\hline 024 & SDK/J Summary & - & \\
\hline 025 & SDK/J Application Info & - & \\
\hline 026 & Printer SP mode & - & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 5998 & \multicolumn{3}{|l|}{[Fusing Warm UP]} \\
\hline \multirow[t]{2}{*}{001} & Warm Up In Advance ON/OFF & *ENG & \[
\begin{aligned}
& \text { [0 or } 1 \text { / } 1 \text { / 1/step] } \\
& \text { 1: Silent } \\
& \text { 0: Fast }
\end{aligned}
\] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Fusing action when silently starting up ENG_ENABLE. \\
(1: With fusing precede start up, 0 :With out fusing precede start up)
\end{tabular}} \\
\hline
\end{tabular}

\subsection*{2.8 MAIN SP TABLES-6}

\subsection*{2.8.1 SP6-XXX (PERIPHERALS)}
\begin{tabular}{|c|c|c|c|}
\hline 6006 & \multicolumn{3}{|l|}{[ADF Adjustment]} \\
\hline \multirow{2}{*}{001} & Side-to-Side Regist: Front & *ENG & [-3.0 to 3.0 / 0.0 / \(0.1 \mathrm{~mm} /\) step] \\
\hline & \multicolumn{3}{|l|}{Adjusts front side main scan register for ADF.} \\
\hline \multirow{2}{*}{002} & Side-to-Side Regist: Rear & *ENG & [-3.0 to 3.0 / 0.0 / \(0.1 \mathrm{~mm} /\) step] \\
\hline & \multicolumn{3}{|l|}{Adjusts rear side main scan register for ADF.} \\
\hline \multirow[b]{2}{*}{003} & Leading Edge Registration & *ENG & [-5.0 to 5.0 / 0.0 / \(0.1 \mathrm{~mm} /\) step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Adjusts DFGATE assert timing. \\
- Value increase: Delays DFGATE assert timing. \\
- Value decrease: Delays DFGATE assert timing.
\end{tabular}} \\
\hline \multirow[b]{2}{*}{005} & Buckle: Duplex Front & *ENG & [-5.0 to 5.0 / 0.0 / \(0.1 \mathrm{~mm} /\) step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Adjusts front side buckle amount (skew correct amount). \\
- Value increase: increases front side buckle amount. \\
- Value decrease: decreases front side buckle amount.
\end{tabular}} \\
\hline \multirow[b]{2}{*}{006} & Buckle: Duplex Rear & *ENG & [-5.0 to 5.0 / 0.0 / \(0.1 \mathrm{~mm} /\) step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Adjusts rear side buckle amount (skew correct amount). \\
- Value increase: increases rear side buckle amount. \\
- Value decrease: decreases rear side buckle amount.
\end{tabular}} \\
\hline \multirow[b]{2}{*}{007} & Rear Edge Erase & *ENG & [-10.0 to 10.0 / 0.0 / \(0.1 \mathrm{~mm} /\) step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Adjusts DFGATE negate timing. \\
- Value increase: Delays DFGATE negate timing. \\
- Value decrease: Delays DFGATE negate timing. (Direction for erasing trailing edge of original)
\end{tabular}} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{010} & \begin{tabular}{l}
L-Edge Regist (1-Pass): \\
Front
\end{tabular} & *ENG & [-5.0 to \(5.0 / 0.0 / 0.1 \mathrm{~mm} /\) step] \\
\hline & \multicolumn{3}{|l|}{For 1 path simultaneous duplex models only. Adjusts the front side sheet through register. Adjusts to max. value in the adjustment range, when set value is larger than adjust range. When finishing setting without defining, remains as the last set value.} \\
\hline \multirow[b]{2}{*}{011} & \begin{tabular}{l}
L-Edge Regist (1-Pass): \\
Rear
\end{tabular} & *ENG & [-5.0 to 5.0 / 0.0 / \(0.1 \mathrm{~mm} /\) step] \\
\hline & \multicolumn{3}{|l|}{For 1 path simultaneous duplex models only. Adjusts the rear side sheet through register. Adjusts to max. value in the adjustment range, when set value is larger than adjust range. When finishing setting without defining, remains as the last set value.} \\
\hline \multirow[b]{2}{*}{012} & 1st Buckle (1-Pass) & *ENG & . 0 to \(3.0 / 0.0 / 0.1 \mathrm{~mm} /\) step] \\
\hline & \multicolumn{3}{|l|}{For 1 path simultaneous duplex models only. Adjusts pull out roller buckle amount. Adjusts to max. value in the adjustment range, when set value is larger than adjust range. When finishing setting without defining, remains as the last set value.} \\
\hline \multirow[b]{2}{*}{013} & 2nd Buckle (1-Pass) & *ENG & [-2.0 to 3.0 / 0.0 / \(0.1 \mathrm{~mm} / \mathrm{step}\) ] \\
\hline & \multicolumn{3}{|l|}{For 1 path simultaneous duplex models only. Adjusts scanning entrance roller buckle amount. Adjusts to max. value in the adjustment range, when set value is larger than adjust range. When finishing setting without defining, remains as the last set value.} \\
\hline \multirow[b]{2}{*}{014} & \begin{tabular}{l}
T-Edge Erase (1-Pass): \\
Front
\end{tabular} & *ENG & [-5.0 to 5.0 / -1.5 / \(0.1 \mathrm{~mm} / \mathrm{step}]\) \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
For 1 path simultaneous duplex models only. Adjusts the front side trailing edge register. \\
- Value increase: add trailing edge to image. \\
- Value decrease: erases trailing edge of image. \\
Adjusts to max. value in the adjustment range, when set value is larger than adjust range. When finishing setting without defining, remains as the last set value. Sets initial setting to -1.5 mm instead of 0 mm considering originals shadow.
\end{tabular}} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline & T-Edge Erase (1-Pass): Rear & *ENG & [-5.0 to 5.0 / -1.5 / \(0.1 \mathrm{~mm} /\) step] \\
\hline 015 & \multicolumn{3}{|l|}{\begin{tabular}{l}
For 1 path simultaneous duplex models only. Adjusts the rear side trailing edge register. \\
- Value increase: add trailing edge to image. \\
- Value decrease: erases trailing edge of image. \\
Adjusts to max. value in the adjustment range, when set value is larger than adjust range. When finishing setting without defining, remains as the last set value. Sets initial setting to -1.5 mm instead of 0 mm considering originals shadow.
\end{tabular}} \\
\hline
\end{tabular}
\begin{tabular}{|l|l|}
\hline \multirow{3}{*}{6007} & [ADF INPUT Check] \\
\cline { 2 - 3 } & See page 3-1 \\
\hline
\end{tabular}
\begin{tabular}{|l|l|}
\hline \multirow{3}{*}{6008} & [ADF OUTPUT Check] \\
\cline { 2 - 3 } & See page 3-32 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 6009 & [ADF FreeRun] & & \\
\hline \multirow{2}{*}{001} & Free Run Simplex Motion & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Runs simplex free run when setting original to ADF.} \\
\hline & Free Run Duplex Motion & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Runs duplex free run when setting original to ADF.} \\
\hline & Free Run Stamp Motion & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Runs simplex free run (with DONE stamp) when setting original to ADF.} \\
\hline 004 & \begin{tabular}{l}
Free Run Simplex \\
Motion(low speed)
\end{tabular} & ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Runs paper existing simplex free run of ADF in low line speed.} \\
\hline \multirow[t]{2}{*}{005} & \begin{tabular}{l}
Free Run Simplex \\
Motion(high speed)
\end{tabular} & ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Runs paper existing simplex free run of ADF in low line speed.} \\
\hline
\end{tabular}
\begin{tabular}{|c|l|c|l|}
\hline \multirow{3}{*}{006} & \begin{tabular}{l} 
Free Run Duplex \\
Motion(low speed)
\end{tabular} & ENG & [0 or \(1 / 0 / 1 /\) step \(]\) \\
\cline { 2 - 4 } & \multicolumn{2}{|l|}{ Runs paper existing duplex free run of ADF in high line speed. } \\
\hline \multirow{3}{*}{007} & \begin{tabular}{l} 
Free Run Duplex \\
Motion(high speed)
\end{tabular} & ENG & {\([0\) or \(1 / 0 / 1 /\) step \(]\)} \\
\cline { 2 - 4 } & \multicolumn{2}{l|}{ Runs paper existing duplex free run of ADF in high line speed. } \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline \multirow[b]{2}{*}{6010} & \multicolumn{2}{|l|}{[Stamp Position Adj.]} \\
\hline & \multicolumn{2}{|l|}{\begin{tabular}{l}
Adjusts stamping position of DONE stamp. \\
- Value increase: Moves stamping position of DONE stamp towards original trailing edge. \\
- Value decrease: Moves stamping position of DONE stamp towards original leading edge.
\end{tabular}} \\
\hline 001 & *ENG & [-5.0 to 5.0 / 0.0 / \(0.1 \mathrm{~mm} /\) step] \\
\hline
\end{tabular}
\begin{tabular}{|l|l|}
\hline \multirow{3}{*}{6011} & [1-Pass ADF INPUT Check] \\
\cline { 2 - 3 } & See page 3-1 \\
\hline
\end{tabular}
\begin{tabular}{|l|l|}
\hline \multirow{3}{*}{6012} & [1-Pass ADF OUTPUT Check] \\
\cline { 2 - 3 } & See page 3-32 \\
\hline
\end{tabular}
\begin{tabular}{|c|l|l|l|}
\hline \multirow{3}{*}{6016} & \multicolumn{3}{|l|}{ [Original Size Detect Setting] } \\
\cline { 2 - 3 } & \begin{tabular}{l} 
Sets to judge as witch original size for two original sizes that can not be judged \\
with ADF. Size of each bit is different depending on region. Set corresponding \\
bit to "0" when to prior the default size. Set "1" to let the switching size judge.
\end{tabular} \\
\hline 001 & - & *ENG & [0 to 255 / 0 / 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{3}{*}{6017} & \multicolumn{3}{|l|}{ [DF Magnification Adj.] } \\
\cline { 2 - 4 } & \begin{tabular}{l} 
Fine-tunes scale error. Changes line speed corresponding to scale rate setting \\
value.
\end{tabular} \\
\hline 001 & - & *ENG & {\([-5.0\) to \(5.0 / 0.0 / 0.1 \% /\) step \(]\)} \\
\hline
\end{tabular}
\begin{tabular}{|c|l|l|l|}
\hline \multirow{3}{*}{6020} & \multicolumn{3}{|l|}{ [Skew Correction Moving Setting] } \\
\cline { 2 - 4 } & \begin{tabular}{l} 
With default setting, original buckling (Skew correct 2) to ADF scanning \\
entrance roller is only done for small sizes (B6, A5, HLT). With setting "1", this \\
buckling can be done to all sizes.
\end{tabular} \\
\hline 001 & - & *ENG & [0 or 1/0 / 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{6100} & \multicolumn{3}{|l|}{[Sub-scanPunchPosAdj:2K/3K FIN]} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
- Adjusts position of carry direction (sub scan direction) for punch. Adjusting value to -: hole position moves toward trailing edge of paper when intaking. \\
- Adjusting value to + : hole position moves toward leading edge of paper when intaking.
\end{tabular}} \\
\hline 001 & JPN/EU: 2-Hole & ENG & \\
\hline 002 & NA: 3-Hole & ENG & \\
\hline 003 & Europe: 4-Hole & ENG & [-7.5 to \(7.5 / 0.0 / 0.5 \mathrm{~mm} / \mathrm{step}]\) \\
\hline 004 & NEU: 4-Hole & ENG & \\
\hline 005 & NA: 2-Hole & ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{6101} & \multicolumn{3}{|l|}{[Main-scanPunchPosAdj:2K/3K FIN]} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Adjusts position of width direction (main scan direction) for punch. \\
- Adjusting value to -: hole position moves toward front side of machine. \\
- Adjusting value to + : hole position moves toward rear side of machine.
\end{tabular}} \\
\hline 001 & JPN/EU: 2-Hole & ENG & \multirow{5}{*}{[-2.0 to 2.0 / 0.0 / 0.4mm/step]} \\
\hline 002 & NA: 3-Hole & ENG & \\
\hline 003 & Europe: 4-Hole & ENG & \\
\hline 004 & NEU: 4-Hole & ENG & \\
\hline 005 & NA: 2-Hole & ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{6102} & \multicolumn{3}{|l|}{[SkewCorrectBuckleAdj:2K/3K FIN]} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Adjusts the skew correction bending amount when punching specified paper. \\
- Adjusts value to -: buckling amount decreases \\
- Adjusts value to +:buckling amount increases.
\end{tabular}} \\
\hline 001 & A3 SEF & ENG & \multirow{5}{*}{[-5.0 to 5.0 / 0.0 / \(0.2 \mathrm{~mm} / \mathrm{step}]\)} \\
\hline 002 & B4 SEF & ENG & \\
\hline 003 & A4 SEF & ENG & \\
\hline 004 & A4 LEF & ENG & \\
\hline 005 & B5 SEF & ENG & \\
\hline 006 & B5 LEF & ENG & \multirow{5}{*}{[-5.0 to 5.0 / 0.0 / 0.2mm/step]} \\
\hline 007 & A5 LEF & ENG & \\
\hline 008 & DLT SEF & ENG & \\
\hline 009 & LG SEF & ENG & \\
\hline 010 & LT SEF & ENG & \\
\hline 011 & LT LEF & ENG & \multirow{3}{*}{[-5.0 to 5.0 / 0.0 / \(0.2 \mathrm{~mm} / \mathrm{step}\) ]} \\
\hline 012 & HLT LEF & ENG & \\
\hline 013 & 12"x18" & ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 014 & 8K SEF & ENG & \\
\hline 015 & 16K SEF & ENG & \\
\hline 016 & 16K LEF & ENG & \\
\hline & Other & ENG & [-5.0 to 5.0 / 0.0 / 0.2mm/step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Adjusts the skew correction bending amount when punching except the specified paper. \\
- Adjusts value to -: buckling amount decreases \\
- Adjusts value to +:buckling amount increases.
\end{tabular}} \\
\hline
\end{tabular}
\begin{tabular}{|c|l|l|l|}
\hline \multirow{2}{*}{6103} & \multicolumn{2}{|l|}{ [SkewCorrectCtrISW:2K/3K FIN] } \\
\cline { 2 - 3 } & \multicolumn{2}{|l|}{\begin{tabular}{l} 
Switches way to control (Still buckling 0: enable / 1: disable) skew correction \\
when punching specified paper.
\end{tabular}} \\
\hline 001 & A3 SEF & ENG & \\
\hline 002 & B4 SEF & ENG & \multirow{2}{*}{ [0 or \(1 / 0 / 1 /\) step] } \\
\hline 003 & A4 SEF & ENG & With Buckle Adj \\
1: Without Buckle Adj
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 016 & 16K LEF & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline \multirow[b]{2}{*}{017} & Other & ENG & \begin{tabular}{l}
0: With Buckle Adj \\
1: Without Buckle Adj
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Switches way to control (Still buckling 0: enable / 1: disable) skew correction when punching except the specified paper.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{6104} & \multicolumn{3}{|l|}{[ShiftTrayJogPosAdj:2K/3K FIN]} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Adjusts position for moving direction (main scan direction) of setting unit jogger when sending through specified paper. \\
- Adjusts value to -: move towards setting jogger width is tighter than base value. \\
- Adjusts value to +: move towards setting jogger width is wider than base value. \\
* Not use: currently, VOLGA-B does not have setting jogger in system configuration.
\end{tabular}} \\
\hline 001 & A3 SEF & ENG & \multirow{5}{*}{[-1.5 to \(1.5 / 0.0 / 0.5 \mathrm{~mm} / \mathrm{step}]\)} \\
\hline 002 & B4 SEF & ENG & \\
\hline 003 & A4 SEF & ENG & \\
\hline 004 & A4 LEF & ENG & \\
\hline 005 & B5 LEF & ENG & \\
\hline 006 & A5 LEF & ENG & \multirow{5}{*}{[-1.5 to \(1.5 / 0.0 / 0.5 \mathrm{~mm} / \mathrm{step}]\)} \\
\hline 007 & DLT SEF & ENG & \\
\hline 008 & LG SEF & ENG & \\
\hline 009 & LT SEF & ENG & \\
\hline 010 & LT LEF & ENG & \\
\hline 011 & HLT LEF & ENG & \multirow{3}{*}{[-1.5 to \(1.5 / 0.0 / 0.5 \mathrm{~mm} / \mathrm{step}]\)} \\
\hline 012 & 8K SEF & ENG & \\
\hline 013 & 16K LEF & ENG & \\
\hline 014 & Other & ENG & [-1.5 to \(1.5 / 0.0 / 0.5 \mathrm{~mm} /\) step] \\
\hline
\end{tabular}
\begin{tabular}{|l|l|}
\hline & \begin{tabular}{l} 
Adjusts position for moving direction (main scan direction) of setting unit jogger \\
when sending through except the specified paper. \\
- Adjusts value to \(-:\) move towards setting jogger width is tighter than base \\
value. \\
- Adjusts value to +: move towards setting jogger width is wider than base \\
value. \\
* Not use: currently, VOLGA-B does not have setting jogger in system \\
configuration.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{6105} & \multicolumn{3}{|l|}{[ShftTJogRtrctAngAdj:2K/3K FIN]} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Adjusts the setting jogger retract angel when passing through specified paper. \\
- Adjusts value to +: towards up \\
- Adjusts value to -: towards down \\
* Not use: currently, VOLGA-B does not have setting jogger in system configuration.
\end{tabular}} \\
\hline 001 & A3 SEF & ENG & \multirow{7}{*}{[-10 to 10 / 0 / 5deg/step]} \\
\hline 002 & B4 SEF & ENG & \\
\hline 003 & A4 SEF & ENG & \\
\hline 004 & DLT SEF & ENG & \\
\hline 005 & LG SEF & ENG & \\
\hline 006 & LT SEF & ENG & \\
\hline 007 & 8K SEF & ENG & \\
\hline & Other & ENG & [-10 to 10 / 0 / 5deg/step] \\
\hline 008 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Adjusts the setting jogger retract angel when passing through except the specified paper. \\
- Adjusts value to +: towards up \\
- Adjusts value to -: towards down \\
* Not use: currently, VOLGA-B does not have setting jogger in system configuration.
\end{tabular}} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{6106} & \multicolumn{3}{|l|}{[Use Paper Jogger: 2K/3K FIN]} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Decides whether to use the setting jogger when passing through specified paper. The setting jogger won't be used when selecting 1. \\
* Not use: currently, VOLGA-B does not have setting jogger in system configuration.
\end{tabular}} \\
\hline 001 & A3 SEF & ENG & \multirow{4}{*}{\begin{tabular}{l}
[0 or 1 / 0 / 1/step] \\
0: Jogging On \\
1: Jogging Off
\end{tabular}} \\
\hline 002 & B4 SEF & ENG & \\
\hline 003 & A4 SEF & ENG & \\
\hline 004 & A4 LEF & ENG & \\
\hline 005 & B5 LEF & ENG & \multirow{5}{*}{\begin{tabular}{l}
[0 or 1 / 0 / 1/step] \\
0: Jogging On \\
1: Jogging Off
\end{tabular}} \\
\hline 006 & A5 LEF & ENG & \\
\hline 007 & DLT SEF & ENG & \\
\hline 008 & LG SEF & ENG & \\
\hline 009 & LT SEF & ENG & \\
\hline 010 & LT LEF & ENG & \multirow{4}{*}{\begin{tabular}{l}
[0 or 1 / 0 / 1/step] \\
0: Jogging On \\
1: Jogging Off
\end{tabular}} \\
\hline 011 & HLT LEF & ENG & \\
\hline 012 & 8K SEF & ENG & \\
\hline 013 & 16K LEF & ENG & \\
\hline \multirow{2}{*}{014} & Other & ENG & \begin{tabular}{l}
[ 0 or \(1 / 0\) / 1/step] \\
0 : Jogging On \\
1: Jogging Off
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Decides whether to use the setting jogger when passing through except the specified paper. The setting jogger won't be used when selecting 1. * Not use: currently, VOLGA-B does not have setting jogger in system configuration.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{6107} & \multicolumn{3}{|l|}{[JogPosAdj(CrnrStplr):2K/3K FIN]} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Adjusts width (main scan direction) of edge stitch when running specified paper conformity. \\
- Adjusts value to -: move towards jogger width is tighter than base value. \\
- Adjusts value to + : move towards jogger width is wider than base value.
\end{tabular}} \\
\hline 001 & A3 SEF & ENG & \multirow{4}{*}{[-1.5 to 1.5 / 0.0 / 0.5mm/step]} \\
\hline 002 & B4 SEF & ENG & \\
\hline 003 & A4 SEF & ENG & \\
\hline 004 & A4 LEF & ENG & \\
\hline 005 & B5 SEF & ENG & \multirow{6}{*}{[-1.5 to 1.5 / 0.0 / 0.5mm/step]} \\
\hline 006 & B5 LEF & ENG & \\
\hline 007 & DLT SEF & ENG & \\
\hline 008 & LG SEF & ENG & \\
\hline 009 & LT SEF & ENG & \\
\hline 010 & LT LEF & ENG & \\
\hline 011 & 8K SEF & ENG & \multirow{3}{*}{[-1.5 to 1.5 / 0.0 / 0.5mm/step]} \\
\hline 012 & 16K SEF & ENG & \\
\hline 013 & 16K LEF & ENG & \\
\hline & Other & ENG & [-1.5 to \(1.5 / 0.0 / 0.5 \mathrm{~mm} / \mathrm{step}]\) \\
\hline 014 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Adjusts width (main scan direction) of edge stitch jogger when running conformity to except the specified paper. \\
- Adjusts value to -: move towards jogger width is tighter than base value. \\
- Adjusts value to + : move towards jogger width is wider than base value.
\end{tabular}} \\
\hline
\end{tabular}

\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{6109} & \multicolumn{3}{|l|}{[CrnrStplrJogTimeAdj:2K/3K FIN]} \\
\hline & \multicolumn{3}{|l|}{Adjusts jogging count of edge stitch jogger fence when running specified paper conformity (only last sheet).} \\
\hline 001 & A3 SEF & *ENG & \multirow{4}{*}{[0 to 2 / 0 / 1time/step]} \\
\hline 002 & B4 SEF & *ENG & \\
\hline 003 & A4 SEF & *ENG & \\
\hline 004 & A4 LEF & *ENG & \\
\hline 005 & B5 SEF & *ENG & \multirow{4}{*}{[0 to 2 / 0 / 1time/step]} \\
\hline 006 & B5 LEF & *ENG & \\
\hline 007 & DLT SEF & *ENG & \\
\hline 008 & LG SEF & *ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 009 & LT SEF & *ENG & \\
\hline 010 & LT LEF & *ENG & \\
\hline 011 & 8K SEF & *ENG & \multirow{3}{*}{[0 to 2 / 0 / 1time/step]} \\
\hline 012 & 16K SEF & *ENG & \\
\hline 013 & 16K LEF & *ENG & \\
\hline \multirow[b]{2}{*}{014} & Other & *ENG & [0 to \(2 / 0\) / 1time/step] \\
\hline & \multicolumn{3}{|l|}{Adjusts jogging count of edge stitch jogger fence running conformity to except the specified paper (only last sheet).} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline & \multicolumn{3}{|l|}{[BookStplrJogTimeAdj:2K/3K FIN]} \\
\hline 6110 & \multicolumn{3}{|l|}{Adjusts jogging count of saddle stitch jogger fence when running specified paper conformity (only last sheet).} \\
\hline 001 & A3 SEF & ENG & \multirow{4}{*}{[0 to 2 / 0 / 1time/step]} \\
\hline 002 & B4 SEF & ENG & \\
\hline 003 & A4 SEF & ENG & \\
\hline 004 & B5 SEF & ENG & \\
\hline 005 & DLT SEF & ENG & \multirow{5}{*}{[0 to 2 / 0 / 1time/step]} \\
\hline 006 & LG SEF & ENG & \\
\hline 007 & LT SEF & ENG & \\
\hline 008 & 12"x18" & ENG & \\
\hline 009 & 8K SEF & ENG & \\
\hline \multirow[b]{2}{*}{010} & Other & ENG & [0 to 2 / 0 / 1time/step] \\
\hline & \multicolumn{3}{|l|}{Adjusts jogging count of saddle stitch jogger fence running conformity to except the specified paper (only last sheet).} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{6111} & \multicolumn{3}{|l|}{[Staple Position Adj: 2K/3K FIN]} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Adjusts staple position (main scan direction) for 2K / 3K / FIN of specified paper. \\
Adjusting value to -: staple position moves toward front side of machine. \\
Adjusting value to + : staple position moves toward rear side of machine.
\end{tabular}} \\
\hline 001 & A3 SEF & ENG & \multirow{4}{*}{[-3.5 to 3.5 / 0.0 / 0.5mm/step]} \\
\hline 002 & B4 SEF & ENG & \\
\hline 003 & A4 SEF & ENG & \\
\hline 004 & A4 LEF & ENG & \\
\hline 005 & B5 SEF & ENG & \multirow{6}{*}{[-3.5 to 3.5 / 0.0 / 0.5mm/step]} \\
\hline 006 & B5 LEF & ENG & \\
\hline 007 & DLT SEF & ENG & \\
\hline 008 & LG SEF & ENG & \\
\hline 009 & LT SEF & ENG & \\
\hline 010 & LT LEF & ENG & \\
\hline 011 & 8K SEF & ENG & \multirow{3}{*}{[-3.5 to 3.5 / 0.0 / 0.5mm/step]} \\
\hline 012 & 16K SEF & ENG & \\
\hline 013 & 16K LEF & ENG & \\
\hline & Other & ENG & [-3.5 to 3.5 / 0.0 / 0.5mm/step] \\
\hline 014 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Adjusts staple position (main scan direction) for the near side parallel stitch/ far side parallel stitch / far side oblique stitch of paper except the specified paper. \\
- Adjusting value to -: staple position moves toward front side of machine. \\
- Adjusting value to + : staple position moves toward rear side of machine.
\end{tabular}} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{6112} & \multicolumn{3}{|l|}{[BookletStaplerPosAdj:2K/3K FIN]} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Adjusts saddle stitch staple position (sub scan direction) of specified paper. \\
- Adjusting value to -: staple position moves toward trailing edge of paper when intaking. \\
- Adjusting value to +: staple position moves toward leading edge of paper when intaking.
\end{tabular}} \\
\hline 001 & A3 SEF & ENG & [-3.0 to 3.0 / 0.0 / 0.2mm/step] \\
\hline 002 & B4 SEF & ENG & [-3.0 to 3.0 / 0.0 / 0.2mm/step] \\
\hline 003 & A4 SEF & ENG & [-3.0 to \(3.0 / 0.0 / 0.2 \mathrm{~mm} /\) step] \\
\hline 004 & B5 SEF & ENG & [-3.0 to \(3.0 / 0.0 / 0.2 \mathrm{~mm} /\) step] \\
\hline 005 & DLT SEF & ENG & [-3.0 to \(3.0 / 0.0 / 0.2 \mathrm{~mm} /\) step] \\
\hline 006 & LG SEF & ENG & [-3.0 to 3.0 / 0.0 / 0.2mm/step] \\
\hline 007 & LT SEF & ENG & [-3.0 to \(3.0 / 0.0 / 0.2 \mathrm{~mm} /\) step] \\
\hline 008 & 12"x18" & ENG & [-1.8 to \(1.8 / 0.0 / 0.2 \mathrm{~mm} /\) step] \\
\hline 009 & 8K SEF & ENG & [-3.0 to \(3.0 / 0.0 / 0.2 \mathrm{~mm} /\) step] \\
\hline & Other & ENG & [-1.8 to \(1.8 / 0.0 / 0.2 \mathrm{~mm} /\) step] \\
\hline 010 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Adjusts saddle stitch staple position (sub scan direction) of except the specified paper. \\
- Adjusting value to -: staple position moves toward trailing edge of paper when intaking. \\
- Adjusting value to +: staple position moves toward leading edge of paper when intaking.
\end{tabular}} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{6113} & \multicolumn{3}{|l|}{[BookletFolderPosAdj:2K/3K FIN]} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Adjusts saddle stitch folding position (sub scan direction) of specified paper. \\
- Adjusting value to -: folding position moves toward trailing edge of paper when intaking. \\
- Adjusting value to + : folding position moves toward leading edge of paper when intaking.
\end{tabular}} \\
\hline 001 & A3 SEF & ENG & [-3.0 to 3.0 / 0.0 / 0.2mm/step] \\
\hline 002 & B4 SEF & ENG & [-3.0 to \(3.0 / 0.0 / 0.2 \mathrm{~mm} / \mathrm{step}\) ] \\
\hline 003 & A4 SEF & ENG & [-3.0 to 3.0 / 0.0 / \(0.2 \mathrm{~mm} / \mathrm{step}\) ] \\
\hline 004 & B5 SEF & ENG & [-3.0 to \(3.0 / 0.0 / 0.2 \mathrm{~mm} / \mathrm{step}\) ] \\
\hline 005 & DLT SEF & ENG & [-3.0 to 3.0 / \(0.0 / 0.2 \mathrm{~mm} / \mathrm{step}\) ] \\
\hline 006 & LG SEF & ENG & [-3.0 to \(3.0 / 0.0 / 0.2 \mathrm{~mm} / \mathrm{step}\) ] \\
\hline 007 & LT SEF & ENG & [-3.0 to 3.0 / \(0.0 / 0.2 \mathrm{~mm} / \mathrm{step}\) ] \\
\hline 008 & 12"x18" & ENG & [-3.0 to 3.0 / \(0.0 / 0.2 \mathrm{~mm} / \mathrm{step}\) ] \\
\hline 009 & 8K SEF & ENG & [-3.0 to \(3.0 / 0.0 / 0.2 \mathrm{~mm} / \mathrm{step}\) ] \\
\hline & Other & ENG & [-3.0 to \(3.0 / 0.0 / 0.2 \mathrm{~mm} / \mathrm{step}]\) \\
\hline 010 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Adjusts saddle stitch folding position (sub scan direction) of except the specified paper. \\
- Adjusting value to -: folding position moves toward trailing edge of paper when intaking. \\
- Adjusting value to + : folding position moves toward leading edge of paper when intaking.
\end{tabular}} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline & \multicolumn{3}{|l|}{[Fold Speed Adj.: 2K/3K FIN]} \\
\hline 6114 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Adjusts folding speed (extra folding time) of saddle stitch for specified paper. \\
Adjust value: 0 (Standard) \\
Adjust value: 1 (Middle speed: standard \(+2.6[\mathrm{sec}]\) \\
Adjust value: 2 (Low speed: standard+5.2[sec])
\end{tabular}} \\
\hline 001 & A3 SEF & ENG & [ 0 to \(2 / 0\) / 1/step] \\
\hline 002 & B4 SEF & ENG & [0 to \(2 / 0\) / 1/step] \\
\hline 003 & A4 SEF & ENG & [ 0 to \(2 / 0\) / 1/step] \\
\hline 004 & B5 SEF & ENG & [0 to \(2 / 0\) / 1/step] \\
\hline 005 & DLT SEF & ENG & [0 to \(2 / 0\) / 1/step] \\
\hline 006 & LG SEF & ENG & [0 to \(2 / 0\) / 1/step] \\
\hline 007 & LT SEF & ENG & [0 to \(2 / 0\) / 1/step] \\
\hline 008 & 12"x18" & ENG & [0 to \(2 / 0\) / 1/step] \\
\hline 009 & 8K SEF & ENG & [0 to \(2 / 0\) / 1/step] \\
\hline \multirow[b]{2}{*}{010} & \multicolumn{2}{|l|}{\begin{tabular}{l}
Adjusts folding speed (extra folding time) of saddle stitch for except the specified paper. \\
Adjust value: 0 (Standard) \\
Adjust value: 1 (Middle speed: standard \(+2.6[\mathrm{sec}]\) \\
Adjust value: 2 (Low speed: standard+5.2[sec])
\end{tabular}} & [0 to \(2 / 0 / 1 /\) step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Adjusts folding speed (extra folding time) of saddle stitch for except the specified paper. \\
Adjust value: 0 (Standard) \\
Adjust value: 1 (Middle speed: standard \(+2.6[\mathrm{sec}]\) \\
Adjust value: 2 (Low speed: standard+5.2[sec])
\end{tabular}} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 6115 & \multicolumn{3}{|l|}{[Finisher Free Run: 2K/3K FIN]} \\
\hline \multirow{2}{*}{001} & Free Run 1 & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Execute shift mode no paper free run.} \\
\hline \multirow{2}{*}{002} & Free Run 2 & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Execute edge stitch staple mode no paper free run.} \\
\hline \multirow{2}{*}{003} & Free Run 3 & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Execute saddle stitch staple mode no paper free run.} \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|l|}
\hline \multirow{2}{*}{004} & Free Run 4 & ENG & [0 or 1/0 / 1/step] \\
\cline { 2 - 4 } & Do not use with VOLGA-B. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{6116} & \multicolumn{3}{|l|}{[CrnrStplrMxPrstkShAdj:2K/3KFIN]} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Adjusts max pre-stack sheets count when edge stitching specified paper. \\
Adjust value: 0; 1sheet pre-stack (standard) \\
Adjust value: -1; No pre-stack
\end{tabular}} \\
\hline 001 & A3 SEF & ENG & \multirow{4}{*}{[-1 to 0 / 0 / 1sheet/step]} \\
\hline 002 & B4 SEF & ENG & \\
\hline 003 & A4 SEF & ENG & \\
\hline 004 & A4 LEF & ENG & \\
\hline 005 & B5 SEF & ENG & \multirow{6}{*}{[-1 to 0 / 0 / 1sheet/step]} \\
\hline 006 & B5 LEF & ENG & \\
\hline 007 & DLT SEF & ENG & \\
\hline 008 & LG SEF & ENG & \\
\hline 009 & LT SEF & ENG & \\
\hline 010 & LT LEF & ENG & \\
\hline 011 & 8K SEF & ENG & \multirow{3}{*}{[-1 to 0 / 0 / 1sheet/step]} \\
\hline 012 & 16K SEF & ENG & \\
\hline 013 & 16K LEF & ENG & \\
\hline & Other & ENG & [-1 to 0 / 0 / 1sheet/step] \\
\hline 014 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Adjusts max pre-stock sheets count when edge stitching except the specified paper. \\
Adjust value: 0; 1sheet pre-stack (standard) \\
Adjust value: -1; No pre-stack.
\end{tabular}} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{6117} & \multicolumn{3}{|l|}{[BookStplrMxPrstkShAdj:2K/3KFIN]} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Adjusts max. pre-stock sheets count when saddle stitching specified paper. \\
Adjust value: 0; 3 sheets pre-stack (standard) \\
Adjust value: -1; 2 sheets pre-stack \\
Adjust value: -2; 1 sheet pre-stack \\
Adjust value: -3 to -7; no pre-stack.
\end{tabular}} \\
\hline 001 & A3 SEF & ENG & \multirow{4}{*}{[-7 to 0 / 0 / 1sheet/step]} \\
\hline 002 & B4 SEF & ENG & \\
\hline 003 & A4 SEF & ENG & \\
\hline 004 & B5 SEF & ENG & \\
\hline 005 & DLT SEF & ENG & \multirow{5}{*}{[-7 to 0 / 0 / 1sheet/step]} \\
\hline 006 & LG SEF & ENG & \\
\hline 007 & LT SEF & ENG & \\
\hline 008 & 12"x18" & ENG & \\
\hline 009 & 8K SEF & ENG & \\
\hline & Other & ENG & [-7 to 0 / 0 / 1sheet/step] \\
\hline 010 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Adjusts max pre-stock sheets count when saddle stitching except the specified paper. \\
Adjust value: 0; 3 sheets pre-stack (standard) \\
Adjust value: -1; 2 sheets pre-stack \\
Adjust value: -2; 1 sheet pre-stack, \\
Adjust value: -3 to -7; no pre-stack.
\end{tabular}} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{6118} & \multicolumn{3}{|l|}{[CrnrStplrPrstkOffsAdj:2K/3KFIN]} \\
\hline & \multicolumn{3}{|l|}{Adjusts pre-stack offset amount (sub scan direction shearing amount of 1st and 2nd sheet) when edge stitching specified paper. Default offset is 20 mm , when adjusting value to + , offset amount enlarges, when adjusting value to - , reduces.} \\
\hline 001 & A3 SEF & ENG & \multirow{4}{*}{[-16 to 16 / 0 / 2mm/step]} \\
\hline 002 & B4 SEF & ENG & \\
\hline 003 & A4 SEF & ENG & \\
\hline 004 & A4 LEF & ENG & \\
\hline 005 & B5 SEF & ENG & \multirow{6}{*}{[-16 to 16 / 0 / 2mm/step]} \\
\hline 006 & B5 LEF & ENG & \\
\hline 007 & DLT SEF & ENG & \\
\hline 008 & LG SEF & ENG & \\
\hline 009 & LT SEF & ENG & \\
\hline 010 & LT LEF & ENG & \\
\hline 011 & 8K SEF & ENG & \multirow{3}{*}{[-16 to 16 / 0 / 2mm/step]} \\
\hline 012 & 16K SEF & ENG & \\
\hline 013 & 16K LEF & ENG & \\
\hline & Other & ENG & [-16 to 16 / 0 / 2mm/step] \\
\hline 014 & \multicolumn{3}{|l|}{Adjusts pre-stack offset amount (sub scan direction shearing amount of 1st and 2nd sheet) when edge stitching except the specified paper. Default offset is 20 mm , when adjusting value to + , offset amount enlarges, when adjusting value to -, reduces.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{6119} & \multicolumn{3}{|l|}{[BookStplrPrstkOffsAdj:2K/3KFIN]} \\
\hline & \multicolumn{3}{|l|}{Adjusts pre-stack offset amount (sub scan direction shearing amount of 1st and 2nd, 2nd and 3rd sheet) when saddle stitching specified paper. Default is No offset, when adjusting value to + , offset amount enlarges, when adjusting value to -, reduces.} \\
\hline 001 & A3 SEF & ENG & \multirow{4}{*}{[-30 to \(30 / 0\) / 2mm/step]} \\
\hline 002 & B4 SEF & ENG & \\
\hline 003 & A4 SEF & ENG & \\
\hline 004 & B5 SEF & ENG & \\
\hline 005 & DLT SEF & ENG & \multirow{5}{*}{[-30 to \(30 / 0\) / 2mm/step]} \\
\hline 006 & LG SEF & ENG & \\
\hline 007 & LT SEF & ENG & \\
\hline 008 & 12"x18" & ENG & \\
\hline 009 & 8K SEF & ENG & \\
\hline & Other & ENG & [-30 to \(30 / 0\) / 2mm/step] \\
\hline 010 & \multicolumn{3}{|l|}{Adjusts pre-stack offset amount (sub scan direction shearing amount of 1st and 2nd, 2nd and 3rd sheet) when saddle stitching except the specified paper. Default is No offset, when adjusting value to + , offset amount enlarges, when adjusting value to -, reduces.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{6120} & \multicolumn{3}{|l|}{[CrnStpPosExFeedAmtAdj:2K/3KFIN]} \\
\hline & \multicolumn{3}{|l|}{Adjusts over sending amount (sub scan direction) of positioning roller when edge stitching specified paper.} \\
\hline 001 & A3 SEF & ENG & \multirow{4}{*}{[0 to \(30 / 0\) / 10mm/step]} \\
\hline 002 & B4 SEF & ENG & \\
\hline 003 & A4 SEF & ENG & \\
\hline 004 & A4 LEF & ENG & \\
\hline 005 & B5 SEF & ENG & \multirow{6}{*}{[0 to \(30 / 0\) / 10mm/step]} \\
\hline 006 & B5 LEF & ENG & \\
\hline 007 & DLT SEF & ENG & \\
\hline 008 & LG SEF & ENG & \\
\hline 009 & LT SEF & ENG & \\
\hline 010 & LT LEF & ENG & \\
\hline 011 & 8K SEF & ENG & \multirow{4}{*}{[0 to \(30 / 0\) / 10mm/step]} \\
\hline 012 & 16K SEF & ENG & \\
\hline 013 & 16K LEF & ENG & \\
\hline \multirow[b]{2}{*}{014} & Other & ENG & \\
\hline & \multicolumn{3}{|l|}{Adjusts over sending amount (sub scan direction) of positioning roller when edge stitching except the specified paper.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline & \multicolumn{3}{|l|}{[BkFoldJogSolMovAmtAdj:2K/3KFIN]} \\
\hline 6122 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Adjusts move amount of saddle stitch conformity claw when saddle stitching specified paper. \\
- Adjusts value to +: towards up \\
- Adjusts value to -: towards down
\end{tabular}} \\
\hline 001 & A3 SEF & ENG & \multirow{4}{*}{[-5 to 5 / 0 / 1mm/step]} \\
\hline 002 & B4 SEF & ENG & \\
\hline 003 & A4 SEF & ENG & \\
\hline 004 & B5 SEF & ENG & \\
\hline 005 & DLT SEF & ENG & \multirow{6}{*}{[-5 to 5 / 0 / 1mm/step]} \\
\hline 006 & LG SEF & ENG & \\
\hline 007 & LT SEF & ENG & \\
\hline 008 & 12"x18" & ENG & \\
\hline 009 & 8K SEF & ENG & \\
\hline \multirow[b]{2}{*}{010} & Other & ENG & \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Adjusts move amount of saddle stitch conformity claw when saddle stitching except the specified paper. \\
- Adjusts value to +: towards up \\
- Adjusts value to -: towards down
\end{tabular}} \\
\hline
\end{tabular}
\begin{tabular}{|l|l|}
\hline \multirow{3}{*}{6123} & [INPUT Check: 2K/3K FIN] \\
\cline { 2 - 2 } & See page 3-1 \\
\hline
\end{tabular}
\begin{tabular}{|l|l|}
\hline \multirow{3}{*}{6124} & [OUTPUT Check: 2K/3K FIN] \\
\cline { 2 - 3 } & See page 3-32 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{6130} & \multicolumn{3}{|l|}{[Sub-scan PunchPosAdj:FrontFIN]} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Adjusts position of carry direction (sub scan direction) for punch. \\
- Adjusting value to -: hole position moves toward trailing edge of paper when intaking. \\
- Adjusting value to + : hole position moves toward leading edge of paper when intaking.
\end{tabular}} \\
\hline 001 & Domestic 2Hole(Europe 2Hole) & *ENG & \\
\hline 002 & North America 3Hole & *ENG & \\
\hline 003 & Europe 4Hole & *ENG & \([7.5\) to \(7.5 / 0.0 / 0.5 \mathrm{~mm} / \mathrm{step}]\) \\
\hline 004 & North Europe 4Hole & *ENG & \\
\hline 005 & North America 2Hole & *ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{6131} & \multicolumn{3}{|l|}{[Main-scan PunchPosAdj:FrontFIN]} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Adjusts position of width direction (main scan direction) for punch. \\
- Adjusting value to -: hole position moves toward front side of machine. \\
- Adjusting value to + : hole position moves toward rear side of machine.
\end{tabular}} \\
\hline 001 & \begin{tabular}{l}
Domestic 2Hole(Europe \\
2Hole)
\end{tabular} & *ENG & \multirow{5}{*}{[-2.0 to 2.0 / 0.0 / 0.4mm/step]} \\
\hline 002 & North America 3Hole & *ENG & \\
\hline 003 & Europe 4Hole & *ENG & \\
\hline 004 & North Europe 4Hole & *ENG & \\
\hline 005 & North America 2Hole & *ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{6132} & \multicolumn{3}{|l|}{[Jogger Fence Fine Adj:FrontFIN]} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Adjusts width (main scan direction) of edge stitch jogger when running specified paper conformity. \\
- Adjusts value to -: move towards jogger width is tighter than base value. \\
- Adjusts value to +: move towards jogger width is wider than base value.
\end{tabular}} \\
\hline 001 & A3T & *ENG & [-1.5 to \(1.5 / 0.0 / 0.5 \mathrm{~mm} /\) step] \\
\hline 002 & B4T & *ENG & [-3.0 to 3.0 / 0.0 / 0.5mm/step] \\
\hline 003 & A4T & *ENG & [-3.0 to \(3.0 / 0.0 / 0.5 \mathrm{~mm} /\) step] \\
\hline 004 & A4Y & *ENG & [-1.5 to \(1.5 / 0.0 / 0.5 \mathrm{~mm} /\) step] \\
\hline 005 & B5T & *ENG & [-3.0 to 3.0 / 0.0 / 0.5mm/step] \\
\hline 006 & B5Y & *ENG & [-3.0 to 3.0 / 0.0 / 0.5mm/step] \\
\hline 007 & DLT-T & *ENG & [-3.0 to 3.0 / 0.0 / 0.5mm/step] \\
\hline 008 & LG-T & *ENG & [-3.0 to 3.0 / 0.0 / 0.5mm/step] \\
\hline 009 & LT-T & *ENG & [-3.0 to 3.0 / 0.0 / 0.5mm/step] \\
\hline 010 & LT-Y & *ENG & [-3.0 to 3.0 / 0.0 / 0.5mm/step] \\
\hline 011 & 8K-T & *ENG & [-3.0 to 3.0 / 0.0 / 0.5mm/step] \\
\hline 012 & 16K-T & *ENG & [-3.0 to 3.0 / 0.0 / 0.5mm/step] \\
\hline 013 & 16K-Y & ENG & [-3.0 to \(3.0 / 0.0 / 0.5 \mathrm{~mm} /\) step] \\
\hline 014 & Other & ENG & [-3.0 to 3.0 / 0.0 / 0.5mm/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|l|l|l|}
\hline \multirow{3}{*}{6133} & \multicolumn{2}{|l|}{ [Staple Position Adj: FrontFIN] } \\
\cline { 2 - 4 } & \begin{tabular}{l} 
Adjusts staple position (main scan direction) for the near side parallel stitch/ far \\
side parallel stitch of specified paper. \\
- \\
- Adjusting value to -: staple position moves toward front side of machine. \\
- Adjusting value to +: staple position moves toward rear side of machine.
\end{tabular} \\
\hline 001 & Finisher1 & *ENG & {\([-2.0\) to \(2.0 / 0.0 / 0.5 \mathrm{~mm} /\) step \(]\)} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 6134 & \multicolumn{3}{|l|}{[Finisher Free Run: FrontFIN]} \\
\hline \multirow{2}{*}{001} & Free Run1 & *ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Execute shift mode no paper free run.} \\
\hline \multirow{2}{*}{002} & Free Run2 & *ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Execute staple mode no paper free run.} \\
\hline \multirow{2}{*}{003} & Free Run3 & *ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Tray package position move free run.} \\
\hline \multirow{2}{*}{004} & Free Run4 & *ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Do not use with RUBICON-B.} \\
\hline
\end{tabular}
\begin{tabular}{|l|l|}
\hline \multirow{3}{*}{6135} & [INPUT Check: FrontFIN] \\
\cline { 2 - 3 } & See page 3-1 \\
\hline
\end{tabular}
\begin{tabular}{|l|l|}
\hline \multirow{3}{*}{6136} & [OUTPUT Check: FrontFIN] \\
\cline { 2 - 2 } & See page 3-32 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline \multirow[b]{2}{*}{6140} & \multicolumn{2}{|l|}{[Staple Position Adj: 1K FIN]} \\
\hline & \multicolumn{2}{|l|}{\begin{tabular}{l}
Adjusts staple position (main scan direction) for near side trailing edge parallel stitch / far side trailing edge parallel stitch. \\
- Adjusting value to -: staple position moves toward front side of machine. \\
- Adjusting value to +: staple position moves toward rear side of machine.
\end{tabular}} \\
\hline 001 & ENG & [-3.5 to 3.5 / 0.0 / 0.5mm/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{6141} & \multicolumn{3}{|l|}{[Booklet Stapler Pos Adj:1K FIN]} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Adjusts saddle stitch staple position (sub scan direction) of specified paper. \\
- Adjusting value to - : staple position moves toward trailing edge of paper when intaking. \\
- Adjusting value to + : folding position moves toward leading edge of paper when intaking.
\end{tabular}} \\
\hline 001 & A3 SEF & ENG & [-3.0 to 3.0 / 0.0 / 0.2mm/step] \\
\hline 002 & B4 SEF & ENG & [-3.0 to 3.0 / 0.0 / \(0.2 \mathrm{~mm} / \mathrm{step}\) ] \\
\hline 003 & A4 SEF & ENG & [-3.0 to 3.0 / 0.0 / \(0.2 \mathrm{~mm} / \mathrm{step}\) ] \\
\hline 004 & B5 SEF & ENG & [-3.0 to 3.0 / \(0.0 / 0.2 \mathrm{~mm} / \mathrm{step}\) ] \\
\hline 005 & DLT SEF & ENG & [-3.0 to 3.0 / 0.0 / \(0.2 \mathrm{~mm} / \mathrm{step}\) ] \\
\hline 006 & LG SEF & ENG & [-3.0 to 3.0 / \(0.0 / 0.2 \mathrm{~mm} / \mathrm{step}\) ] \\
\hline 007 & LT SEF & ENG & [-3.0 to 3.0 / 0.0 / \(0.2 \mathrm{~mm} / \mathrm{step}\) ] \\
\hline 008 & 12"x18" & ENG & [-3.0 to 3.0 / 0.0 / \(0.2 \mathrm{~mm} / \mathrm{step}\) ] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{6142} & \multicolumn{3}{|l|}{[Sub-scan Punch Pos Adj:1K FIN]} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Adjusts position of carry direction (sub scan direction) for punch. \\
- Adjusting value to -: hole position moves toward trailing edge of paper when intaking. \\
- Adjusting value to +: hole position moves toward leading edge of paper when intaking.
\end{tabular}} \\
\hline 001 & JPN/EU: 2-Hole & ENG & \\
\hline 002 & NA: 3-Hole & ENG & \\
\hline 003 & Europe: 4-Hole & ENG & [-7.5 to \(7.5 / 0.0 / 0.5 \mathrm{~mm} / \mathrm{step}]\) \\
\hline 004 & NEU: 4-Hole & ENG & \\
\hline 005 & NA: 2-Hole & ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{6143} & \multicolumn{3}{|l|}{[Jogger Pos Adj:1K FIN]} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Adjusts width (main scan direction) of jogger when running specified paper conformity. \\
- Adjusts value to -: move towards jogger width is tighter than base value. \\
- Adjusts value to +: move towards jogger width is wider than base value.
\end{tabular}} \\
\hline 001 & A3 SEF & ENG & \multirow{4}{*}{[-1.5 to 1.5 / 0.0 / 0.5mm/step]} \\
\hline 002 & B4 SEF & ENG & \\
\hline 003 & A4 SEF & ENG & \\
\hline 004 & A4 LEF & ENG & \\
\hline 005 & B5 SEF & ENG & \multirow{7}{*}{[-1.5 to \(1.5 / 0.0 / 0.5 \mathrm{~mm} / \mathrm{step}]\)} \\
\hline 006 & B5 LEF & ENG & \\
\hline 007 & DLT SEF & ENG & \\
\hline 008 & LG SEF & ENG & \\
\hline 009 & LT SEF & ENG & \\
\hline 010 & LT LEF & ENG & \\
\hline 011 & 12"x18" & ENG & \\
\hline 012 & 8K SEF & ENG & \multirow{3}{*}{[-1.5 to 1.5 / 0.0 / \(0.5 \mathrm{~mm} / \mathrm{step}]\)} \\
\hline 013 & 16K SEF & ENG & \\
\hline 014 & 16K LEF & ENG & \\
\hline & Other & ENG & [-1.5 to \(1.5 / 0.0 / 0.5 \mathrm{~mm} / \mathrm{step}\) ] \\
\hline 015 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Adjusts width (main scan direction) of jogger when running conformity to except the specified paper. \\
- Adjusts value to -: move towards jogger width is tighter than base value. \\
- Adjusts value to + : move towards jogger width is wider than base value.
\end{tabular}} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{6144} & \multicolumn{3}{|l|}{[Main-scan Punch Pos Adj:1K FIN]} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Adjusts position of width direction (main scan direction) for punch. \\
- Adjusting value to -: hole position moves toward front side of machine. \\
- Adjusting value to +: hole position moves toward rear side of machine.
\end{tabular}} \\
\hline 001 & JPN/EU: 2-Hole & ENG & \multirow{5}{*}{[-2.0 to 2.0 / 0.0 / 0.4mm/step]} \\
\hline 002 & NA: 3-Hole & ENG & \\
\hline 003 & Europe: 4-Hole & ENG & \\
\hline 004 & NEU: 4-Hole & ENG & \\
\hline 005 & NA: 2-Hole & ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{6145} & \multicolumn{3}{|l|}{[Skew Correct Buckle Adj:1K FIN]} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Adjusts the skew correction bending amount when punching specified paper. \\
- Adjusts value to -: buckling amount decreases \\
- Adjusts value to +:buckling amount increases.
\end{tabular}} \\
\hline 001 & A3 SEF & ENG & \multirow{5}{*}{[-5.0 to 5.0 / 0.0 / 0.2mm/step]} \\
\hline 002 & B4 SEF & ENG & \\
\hline 003 & A4 SEF & ENG & \\
\hline 004 & A4 LEF & ENG & \\
\hline 005 & B5 SEF & ENG & \\
\hline 006 & B5 LEF & ENG & \multirow{5}{*}{[-5.0 to 5.0 / 0.0 / 0.2mm/step]} \\
\hline 007 & A5 LEF & ENG & \\
\hline 008 & DLT SEF & ENG & \\
\hline 009 & LG SEF & ENG & \\
\hline 010 & LT SEF & ENG & \\
\hline 011 & LT LEF & ENG & \multirow{3}{*}{[-5.0 to 5.0 / 0.0 / 0.2mm/step]} \\
\hline 012 & HLT LEF & ENG & \\
\hline 013 & 12"x18" & ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 014 & 8K SEF & ENG & \\
\hline 015 & 16K SEF & ENG & \\
\hline 016 & 16K LEF & ENG & \\
\hline \multirow[b]{2}{*}{017} & Other & ENG & [-5.0 to 5.0 / 0.0 / 0.2mm/step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Adjusts the skew correction bending amount when punching except the specified paper. \\
- Adjusts value to -: buckling amount decreases \\
- Adjusts value to +: buckling amount increases.
\end{tabular}} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{6146} & \multicolumn{3}{|l|}{[Skew Correct Ctrl SW:1K FIN]} \\
\hline & \multicolumn{3}{|l|}{Switches way to control (Still buckling 0: enable / 1: disable) skew correction when punching specified paper.} \\
\hline 001 & A3 SEF & ENG & \begin{tabular}{l}
[ 0 or \(1 / 0 / 1 /\) step] \\
0 : enable \\
1: disable
\end{tabular} \\
\hline 002 & B4 SEF & ENG & \begin{tabular}{l}
[ 0 or \(1 / 0\) / 1/step] \\
0 : enable \\
1: disable
\end{tabular} \\
\hline 003 & A4 SEF & ENG & \begin{tabular}{l}
[ 0 or \(1 / 0 / 1 /\) step] \\
0 : enable \\
1: disable
\end{tabular} \\
\hline 004 & A4 LEF & ENG & \begin{tabular}{l}
[0 or 1 / 0 / 1/step] \\
0 : enable \\
1: disable
\end{tabular} \\
\hline 005 & B5 SEF & ENG & \begin{tabular}{l}
[ 0 or \(1 / 0 / 1 /\) step] \\
0 : enable \\
1: disable
\end{tabular} \\
\hline 006 & B5 LEF & ENG & \begin{tabular}{l}
[ 0 or \(1 / 0 / 1 /\) step] \\
0 : enable \\
1: disable
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 007 & A5 LEF & ENG & \begin{tabular}{l}
[0 or \(1 / 0\) / 1/step] \\
0 : enable \\
1: disable
\end{tabular} \\
\hline 008 & DLT SEF & ENG & \begin{tabular}{l}
[ 0 or \(1 / 0\) / 1/step] \\
0 : enable \\
1: disable
\end{tabular} \\
\hline 009 & LG SEF & ENG & \begin{tabular}{l}
[0 or \(1 / 0\) / 1/step] \\
0 : enable \\
1: disable
\end{tabular} \\
\hline 010 & LT SEF & ENG & \begin{tabular}{l}
[0 or \(1 / 0\) / 1/step] \\
0 : enable \\
1: disable
\end{tabular} \\
\hline 011 & LT LEF & ENG & \begin{tabular}{l}
[0 or \(1 / 0\) / 1/step] \\
0 : enable \\
1: disable
\end{tabular} \\
\hline 012 & HLT LEF & ENG & \begin{tabular}{l}
[0 or 1 / 0 / 1/step] \\
0 : enable \\
1: disable
\end{tabular} \\
\hline 013 & 12"x18" & ENG & \begin{tabular}{l}
[ 0 or \(1 / 0\) / 1/step] \\
0 : enable \\
1: disable
\end{tabular} \\
\hline 014 & 8K SEF & ENG & \begin{tabular}{l}
[0 or \(1 / 0\) / 1/step] \\
0 : enable \\
1: disable
\end{tabular} \\
\hline 015 & 16K SEF & ENG & \begin{tabular}{l}
[0 or \(1 / 0\) / 1/step] \\
0 : enable \\
1: disable
\end{tabular} \\
\hline 016 & 16K LEF & ENG & \begin{tabular}{l}
[0 or 1 / 0 / 1/step] \\
0 : enable \\
1: disable
\end{tabular} \\
\hline 017 & Other & ENG & \begin{tabular}{l}
[0 or 1 / 0 / 1/step] \\
0 : enable \\
1: disable
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|l|l|}
\hline & \begin{tabular}{l} 
Switches way to control (Still buckling 0: enable / 1: disable) skew correction \\
when punching except the specified paper.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{6147} & \multicolumn{3}{|l|}{[Booklet Folder Pos Adj:1K FIN]} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Adjusts saddle stitch folding position (sub scan direction) of specified paper. \\
- Adjusting value to -: folding position moves toward trailing edge of paper when intaking. \\
- Adjusting value to +: folding position moves toward leading edge of paper when intaking.
\end{tabular}} \\
\hline 001 & A3 SEF & ENG & [-3.0 to 3.0 / 0.0 / \(0.2 \mathrm{~mm} / \mathrm{step}\) ] \\
\hline 002 & B4 SEF & ENG & [-3.0 to \(3.0 / 0.0 / 0.2 \mathrm{~mm} / \mathrm{step}]\) \\
\hline 003 & A4 SEF & ENG & [-3.0 to \(3.0 / 0.0 / 0.2 \mathrm{~mm} / \mathrm{step}\) ] \\
\hline 004 & B5 SEF & ENG & [-3.0 to 3.0 / 0.0 / \(0.2 \mathrm{~mm} /\) step] \\
\hline 005 & DLT SEF & ENG & [-3.0 to 3.0 / 0.0 / \(0.2 \mathrm{~mm} /\) step] \\
\hline 006 & LG SEF & ENG & [-3.0 to 3.0 / 0.0 / \(0.2 \mathrm{~mm} /\) step] \\
\hline 007 & LT SEF & ENG & [-3.0 to \(3.0 / 0.0 / 0.2 \mathrm{~mm} / \mathrm{step}\) ] \\
\hline 008 & 12"x18" & ENG & [-3.0 to 3.0 / 0.0 / 0.2mm/step] \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{3}{*}{6148} & \multicolumn{3}{|l|}{ [Fold Times Adj: 1K FIN] } \\
\cline { 2 - 4 } & \multicolumn{2}{|l|}{ Adjusts extra folding times (time) for folding when saddle stitching. } \\
\hline 001 & - & ENG & [0 to 29 / 0 / 1sec/step] \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{2}{*}{6149} & \multicolumn{3}{|l|}{ [Last Paper Pos Time Adj:1K FIN] } \\
\cline { 2 - 4 } & \multicolumn{2}{|l|}{ Adjust positioning times to last paper of set. } \\
\hline 001 & - & *ENG & [0 to \(1 / 0\) / 1time/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{6150} & \multicolumn{3}{|l|}{[PositioningStrtTimingAdj:1KFIN]} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Adjusts the positioning roller operation start timing when positioning specified paper. \\
- Adjusts value to -: forwards the start timing \\
- Adjusts value to + : delays the start timing
\end{tabular}} \\
\hline 001 & A3 SEF & ENG & \multirow{15}{*}{[-100 to 100 / 0 / 10msec/step]} \\
\hline 002 & B4 SEF & ENG & \\
\hline 003 & A4 SEF & ENG & \\
\hline 004 & A4 LEF & ENG & \\
\hline 005 & B5 SEF & ENG & \\
\hline 006 & B5 LEF & ENG & \\
\hline 007 & DLT SEF & ENG & \\
\hline 008 & LG SEF & ENG & \\
\hline 009 & LT SEF & ENG & \\
\hline 010 & LT LEF & ENG & \\
\hline 011 & 12"x18" & ENG & \\
\hline 012 & 8K SEF & ENG & \\
\hline 013 & 16K SEF & ENG & \\
\hline 014 & 16K LEF & ENG & \\
\hline & Other & ENG & \\
\hline 015 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Adjusts the positioning roller operation start timing when positioning except the specified paper. \\
- Adjusts value to -: forwards the start timing \\
- Adjusts value to + : delays the start timing
\end{tabular}} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline \multirow[b]{2}{*}{6151} & \multicolumn{2}{|l|}{[PosTimeAdj(LstPr2ndTime):1KFIN]} \\
\hline & \multicolumn{2}{|l|}{\begin{tabular}{l}
Adjusts 2nd time to positioning the last sheet of the set. \\
- Adjusts the value to -: shortens the positioning time \\
- Adjusts the value to + : extends the positioning time \\
The positioning for the last sheet is done when [Last Paper Pos Time Adj: 1 K FIN] adjust value is set to 1 .
\end{tabular}} \\
\hline 001 & ENG & [-100 to 100 / 0 / 10msec/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{6152} & \multicolumn{3}{|l|}{[PosTiAdj(ExcLstPr3rdTi):1KFIN]} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Adjust positioning time for specified paper except the last sheet 2nd time. \\
- Adjusts the value to -: shortens the positioning time \\
- Adjusts the value to +: extends the positioning time
\end{tabular}} \\
\hline 001 & A3 SEF & ENG & [-100 to \(100 / 0 / 10 \mathrm{msec} /\) step] \\
\hline 002 & B4 SEF & ENG & [-100 to \(100 / 0 / 10 \mathrm{msec} / \mathrm{step}]\) \\
\hline 003 & A4 SEF & ENG & [-100 to \(100 / 0 / 10 \mathrm{msec} /\) step] \\
\hline 004 & A4 LEF & ENG & [-100 to \(100 / 0 / 10 \mathrm{msec} / \mathrm{step}]\) \\
\hline 005 & B5 SEF & ENG & [-100 to \(100 / 0 / 10 \mathrm{msec} /\) step] \\
\hline 006 & B5 LEF & ENG & [-100 to \(100 / 0\) / 10msec/step] \\
\hline 007 & DLT SEF & ENG & [-100 to \(100 / 0 / 10 \mathrm{msec} / \mathrm{step}]\) \\
\hline 008 & LG SEF & ENG & [-100 to \(100 / 0 / 10 \mathrm{msec} / \mathrm{step}]\) \\
\hline 009 & LT SEF & ENG & [-100 to \(100 / 0 / 10 \mathrm{msec} / \mathrm{step}]\) \\
\hline 010 & LT LEF & ENG & [-100 to \(100 / 0\) / 10msec/step] \\
\hline 011 & 12"x18" & ENG & [-100 to \(100 / 0\) / 10msec/step] \\
\hline 012 & 8K SEF & ENG & [-100 to \(100 / 0 / 10 \mathrm{msec} /\) step] \\
\hline 013 & 16K SEF & ENG & [-100 to \(100 / 0\) / 10msec/step] \\
\hline 014 & 16K LEF & ENG & [-100 to \(100 / 0 / 10 \mathrm{msec} / \mathrm{step}]\) \\
\hline 015 & Other & ENG & [-100 to \(100 / 0 / 10 \mathrm{msec} / \mathrm{step}]\) \\
\hline
\end{tabular}
\begin{tabular}{|l|l|}
\hline & \begin{tabular}{l} 
Adjust positioning time for other than the specified paper except the last sheet \\
2nd time. \\
\(-\quad\)
\end{tabular} \\
\(=\quad\) Adjusts the value to \(-:\) shortens the positioning time
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{6154} & \multicolumn{3}{|l|}{[Pos Time Adj By Sheet: 1K FIN]} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Adjusts the positioning time when stocked specified amount. \\
- Adjusts the value to -: shortens the positioning time \\
- Adjusts the value to + : extends the positioning time
\end{tabular}} \\
\hline 001 & 1-10 Sheets & ENG & \multirow{5}{*}{[-100 to 100 / 0 / 10msec/step]} \\
\hline 002 & 11-20 Sheets & ENG & \\
\hline 003 & 21-30 Sheets & ENG & \\
\hline 004 & 31-40 Sheets & ENG & \\
\hline 005 & 41-50 Sheets & ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 6160 & \multicolumn{3}{|l|}{[Finisher Free Run: 1K FIN]} \\
\hline \multirow{2}{*}{001} & Free Run 1 & ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Executes shift mode no paper free run.} \\
\hline \multirow{2}{*}{002} & Free Run 2 & ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Executes edge stitch (near side 1 point stitch) mode no paper free run.} \\
\hline \multirow[b]{2}{*}{003} & Free Run 3 & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Executes saddle stitch mode no paper free run. \\
(Does not execute with model with no saddle stitch unit)
\end{tabular}} \\
\hline \multirow[b]{2}{*}{004} & Free Run 4 & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Executes saddle stitch mode no paper free run. \\
(Does not execute with model with no saddle stitch unit)
\end{tabular}} \\
\hline
\end{tabular}
\begin{tabular}{|l|l|}
\hline \multirow{3}{*}{6161} & {\([\) FIN (1K FIN) INPUT Check] } \\
\cline { 2 - 3 } & See page 3-1 \\
\hline
\end{tabular}
\begin{tabular}{|l|l|}
\hline \multirow{3}{*}{6162} & [FIN (1K FIN) OUTPUT Check] \\
\cline { 2 - 3 } & See page 3-32 \\
\hline
\end{tabular}
\begin{tabular}{|l|l|}
\hline \multirow{3}{*}{6170} & [Bridge: INPUT Check] \\
\cline { 2 - 3 } & See page 3-1 \\
\hline
\end{tabular}
\begin{tabular}{|l|l|}
\hline \multirow{2}{*}{6171} & [Bridge: OUTPUT Check] \\
\cline { 2 - 3 } & See page 3-32 \\
\hline
\end{tabular}
\begin{tabular}{|l|l|}
\hline \multirow{2}{*}{6172} & [Shift Tray: INPUT Check] \\
\cline { 2 - 3 } & See page 3-1 \\
\hline
\end{tabular}
\begin{tabular}{|l|l|}
\hline \multirow{3}{*}{6173} & [Shift Tray: OUTPUT Check] \\
\cline { 2 - 3 } & See page 3-32 \\
\hline
\end{tabular}
\begin{tabular}{|l|l|}
\hline \multirow{3}{*}{6174} & [1 Bin: INPUT Check] \\
\cline { 2 - 3 } & See page 3-1 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline \multirow{2}{*}{6800} & \multicolumn{2}{|l|}{[Sheet Conversion (Thick Paper)]} \\
\hline & \multicolumn{2}{|l|}{Permits punching, including tab sheets.} \\
\hline 001 & CTL & \begin{tabular}{l}
[1 to 3 / 3 / 1/step] \\
1: 1 pages \\
2: 2 pages \\
3: 3 pages
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|l|}
\hline 6801 & \multicolumn{3}{|l|}{ [1-pass Stamp Unit] } \\
\hline 001 & - & *ENG & \begin{tabular}{l} 
[0 or 1/0 / 1/step] \\
\(0:\) NO \\
\(1: ~ Y E S ~\)
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline \multirow{2}{*}{6810} & \multicolumn{2}{|l|}{[Ring Bind Sheet Conversion (Thick Paper)]} \\
\hline & - & \\
\hline 001 & CTL & \begin{tabular}{l}
[1 to 3 / 3 / 1/step] \\
1: 1 pages \\
2: 2 pages \\
3: 3 pages
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{6830} & \multicolumn{3}{|l|}{[Extra Staples]} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
More than the standard number of sheets can be stapled. This SP sets the additional number of sheets (This Setting + Standard Number = maximum number of sheets). \\
- If the number of the maximum for staples is increased, and the mechanical warranty of the unit can be guaranteed, then the setting can take effect without changing the controller software. \\
- However, assurance that mechanical performance can be guaranteed is required before changing the setting to increase the staple load for more than the maximum in the feed/exit specifications. Raising this setting without quality assurance could damage the machine.
\end{tabular}} \\
\hline 001 & Staple positions other than booklet stapling & *CTL & [0 to 50 / 0 / 1/step] \\
\hline \multirow[b]{2}{*}{002} & 2 Booklet stapling & *CTL & [0 to \(50 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Makes possible for staple to saddle stitch more sheets than basic amount. Saddle stitch staple max. amount will be recognized as the total of this SP's value and the basic amount.} \\
\hline \multirow[b]{2}{*}{003} & Finisher booklet max. paper count custom setting & *CTL & [0 to 50 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Makes possivle for finisher to middle fold more than the basic foldable amount. Middle fold max. amount will be recognized as the total of this SP's value and basic Middle fold amunt.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline 6900 & \multicolumn{2}{|l|}{[ADF Bottom Plate Setting]} \\
\hline 001 & *ENG & \begin{tabular}{l}
[0 or 1 / 0 / 1/step] \\
0 : Bottom plate rise on original set (default) \\
1: Bottom plate rise on paper exit signal.
\end{tabular} \\
\hline & \multicolumn{2}{|l|}{For 1 path simultaneous duplex models only. Changes bottom plate rising mode.} \\
\hline
\end{tabular}

\subsection*{2.9 MAIN SP TABLES-7}

\subsection*{2.9.1 SP7-XXX (DATA LOG)}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{3}{*}{7401} & \multicolumn{3}{|l|}{ [Total SC] } \\
\cline { 2 - 4 } & \multicolumn{1}{l|}{\begin{tabular}{l} 
Stores total SC occurring count. \\
If the same SC codes are detected continuously and total counter is not \\
increasing, it only logs once in case of deleting other SC code logs.
\end{tabular}} \\
\hline 001 & SC Counter & *CTL & {\([0\) to \(65535 /-/ 1 /\) step \(]\)} \\
\hline 002 & Total SC Counter & *CTL & {\([0\) to \(65535 /-/ 1 /\) step \(]\)} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{7403} & \multicolumn{3}{|l|}{[SC History]} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Logs and displays the SC codes detected. \\
The 10 most recently detected SC Codes are displayed on the screen, and also can be seen on the SMC (logging) outputs. \\
Note \\
- If the same SC codes are detected continuously and total counter is not increasing, it only logs once in case of deleting other SC code logs.
\end{tabular}} \\
\hline 001 & Latest & *CTL & \\
\hline 002 & Latest 1 & *CTL & \\
\hline 003 & Latest 2 & *CTL & \\
\hline 004 & Latest 3 & *CTL & \\
\hline 005 & Latest 4 & *CTL & \\
\hline 006 & Latest 5 & *CTL & \\
\hline 007 & Latest 6 & *CTL & \\
\hline 008 & Latest 7 & *CTL & \\
\hline 009 & Latest 8 & *CTL & \\
\hline 010 & Latest 9 & *CTL & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{7404} & \multicolumn{3}{|l|}{[SC990 / SC991 History]} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Logs and displays the SC990 / SC991 detected. \\
The 10 most recently detected SC. \\
Note )
\(\qquad\) \\
- If the same SC codes are detected continuously and total counter is not increasing, it only logs once in case of deleting other SC code logs.
\end{tabular}} \\
\hline 001 & Latest & *CTL & \\
\hline 002 & Latest 1 & *CTL & \\
\hline 003 & Latest 2 & *CTL & \\
\hline 004 & Latest 3 & *CTL & \\
\hline 005 & Latest 4 & *CTL & \\
\hline 006 & Latest 5 & *CTL & \\
\hline 007 & Latest 6 & *CTL & \\
\hline 008 & Latest 7 & *CTL & \\
\hline 009 & Latest 8 & *CTL & \\
\hline 010 & Latest 9 & *CTL & \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{3}{*}{7502} & \multicolumn{3}{|l|}{ [Total Paper Jam] } \\
\cline { 2 - 4 } & \multicolumn{2}{|l|}{ Displays the total number of jams detected. } \\
\hline \multirow{3}{|l|}{001} & Jam Counter & *CTL & {\([00000\) to \(65535 /-/ 1\) sheet/step] } \\
\cline { 2 - 4 } & If the JAM occurred in multiple places, it logs as one SC. \\
\hline \multirow{2}{*}{002} & Total Jam Counter & *CTL & [00000 to 65535/-/1sheet/step] \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{2}{*}{7503} & \multicolumn{4}{|l|}{} & \multicolumn{4}{|l|}{} \\
\cline { 2 - 4 } & - & \({ }^{*}\) CTL & [00000 to \(65535 /-/-/\) step \(]\) \\
\hline 001 & - & \({ }^{*} \mathrm{CTL}\) & \\
\hline 002 & Total Original Counter & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{7504} & \multicolumn{3}{|l|}{[Paper Jam Location]} \\
\hline & \multicolumn{3}{|l|}{Displays counts for transfer paper jam for each incidence place.} \\
\hline 001 & At Power On & *CTL & \begin{tabular}{l}
Paper is not fed at power on. \\
[0000 to 9999 / / / 1/step]
\end{tabular} \\
\hline 003 & Tray1: On & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 004 & Tray2: On & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 005 & Tray3: On & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 006 & Tray4: On & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 007 & LCT: On & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 008 & Bypass: On & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 009 & Duplex: On & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 010 & Timing1: On & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 011 & Transport 1: On & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 012 & Transport 2: On & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 013 & Vertical Trans. 3: On & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 014 & Vertical Trans. 4: On & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 015 & LCT Feed Sensor: On & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 016 & LCT Exit: On & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 017 & Registration: On & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 018 & Fusing Entrance: On & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 019 & Fusing Exit: On & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 020 & Paper Exit: On & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 021 & Bridge Tray Exit: On & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 022 & Bridge Relay: On & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 024 & Inverter: On & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 025 & Duplex Exit Sensor: On & *CTL & [0000 to 9999 / - / 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 027 & \begin{tabular}{l}
Duplex Entrance Sensor: \\
On
\end{tabular} & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 051 & Transport 1: Off & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 052 & Transport 2: Off & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 053 & Vertical Trans. 3: Off & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 054 & Vertical Trans. 4: Off & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 057 & Registration Sensor: Off & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 058 & LCT Feed Sensor: Off & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 060 & Paper Exit: Off & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 061 & Bridge: Exit: Off & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 062 & Bridge: Transport: Off & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 064 & Inverter: Off & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 065 & Duplex Exit: Off & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 067 & Duplex Entrance: Off & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 099 & Double-Feed Detection & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 100 & Entrance: On & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 101 & Entrance: Off & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 102 & Transport : On & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 103 & Transport: Off & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 104 & Paper Exit & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 105 & Front Jogger Motor & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 106 & Rear Jogger Motor & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 107 & Shift Roller Motor & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 108 & Positioning Motor & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 109 & Exit Guide Plate Motor & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 110 & Stapler Shift Motor & *CTL & [0000 to 9999 / - / 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 111 & Tray Lift Motor & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 112 & Staple Motor & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 113 & Stack Height Motor & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 114 & Punch Motor & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 115 & Punch Move Motor & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 116 & \begin{tabular}{l}
S-to-S Registration Move \\
Motor
\end{tabular} & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 148 & No Exit Response & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 149 & Duplex Inverter: Off & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 150 & Entrance Sensor: On & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 151 & Entrance Sensor: Off & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 152 & \begin{tabular}{l}
Horizontal Transport Sn: \\
On
\end{tabular} & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 153 & Horizontal Transport Sn: Off & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 154 & \begin{tabular}{l}
Switchback Transport Sn: \\
On
\end{tabular} & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 155 & Switchback Transport Sn: Off & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 156 & Proof Tray Exit & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 157 & Shift Tray Exit & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 158 & Booklet Stapler Exit & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 159 & Entrance Motor & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 160 & \begin{tabular}{l}
Horizontal Transport \\
Motor
\end{tabular} & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 161 & Pre-Stack Transport Motor & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 162 & Relay Motor & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 163 & Paper Exit Motor & *CTL & [0000 to 9999 / - / 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 164 & Stack Plate Motor: Rear & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 165 & \begin{tabular}{l}
Paper Exit Guide Plate \\
Motor
\end{tabular} & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 166 & Punch Motor & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 167 & Punch Move Motor & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 168 & Pre-Stack: On & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 169 & Pre-Stack: Off & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 170 & Jogger Motor & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 171 & \begin{tabular}{l}
Positioning Roller \\
Rotation Mt
\end{tabular} & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 172 & Feed Out Motor & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 173 & \begin{tabular}{l}
Corner Stapler Moving \\
Motor
\end{tabular} & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 174 & Corner Stapler Motor & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 175 & Booklet Jogger Motor & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 176 & \begin{tabular}{l}
Booklet Jogger Solenoid \\
Motor
\end{tabular} & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 177 & \begin{tabular}{l}
Booklet Standard Fence \\
Motor
\end{tabular} & *CTL & [0000 to 9999 / / / 1/step] \\
\hline 178 & Booklet Stapler Motor & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 179 & Dynamic Roller Transport Mt & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 180 & Folder Transport Motor & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 181 & Bk Stapler Posit RIIr Rotat Mt & *CTL & [0000 to 9999 / / 1/step] \\
\hline 182 & Press-fold Motor & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 183 & Tray Lift Motor & *CTL & [0000 to 9999 / / 1/step] \\
\hline 184 & Shift Motor & *CTL & [0000 to 9999 / - / 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 185 & Shift Jogger Motor: Front & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 186 & Shift Jogger Motor: Rear & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 187 & Shift Jogger Retraction Motor & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 188 & \begin{tabular}{l}
Drag Roller Vibrating \\
Motor
\end{tabular} & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 189 & \begin{tabular}{l}
Leading Edge Guide \\
Motor
\end{tabular} & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 190 & Job Data Error & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 200 & Entrance: On & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 201 & Entrance: Off & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 202 & Proog Tray Exit: On & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 203 & Proog Tray Exit: Off & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 204 & ITB Transport: Right: On & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 205 & Left Relay: On & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 206 & Left Relay: Off & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 207 & Shift Tray Exit: On & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 208 & Shift Tray Exit: Off & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 209 & Stack: On & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 210 & TE Stopper: On & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 211 & TE Stopper: Off & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 212 & Booklet Folder Exit: On & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 213 & Booklet Folder Exit: Off & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 220 & Entrance Motor & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 221 & Proof Motor & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 222 & \begin{tabular}{l}
Ppr Feed/Posit \& Move \\
Rllr Mt
\end{tabular} & *CTL & [0000 to 9999 / - / 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|l|c|l|}
\hline 223 & Shift Motor & \({ }^{*} \mathrm{CTL}\) & {\([0000\) to \(9999 /-/ 1 /\) step \(]\)} \\
\hline 224 & Jogger Motor & \({ }^{*} \mathrm{CTL}\) & {\([0000\) to \(9999 /-/ 1 /\) step \(]\)} \\
\hline 225 & Exit Guide Plate Motor & \({ }^{*} \mathrm{CTL}\) & {\([0000\) to \(9999 /-/ 1 /\) step \(]\)} \\
\hline 226 & Feed Out Motor & \({ }^{*} \mathrm{CTL}\) & {\([0000\) to \(9999 /-/ 1 /\) step \(]\)} \\
\hline 227 & Output Tray Motor & \({ }^{*} \mathrm{CTL}\) & {\([0000\) to \(9999 /-/ 1 /\) step \(]\)} \\
\hline 228 & Positioning Motor & \({ }^{*} \mathrm{CTL}\) & {\([0000\) to \(9999 /-/ 1 /\) step \(]\)} \\
\hline 229 & Stapler Shift Motor & \({ }^{*} \mathrm{CTL}\) & {\([0000\) to \(9999 /-/ 1 /\) step \(]\)} \\
\hline 230 & Stapler Motor & \({ }^{*} \mathrm{CTL}\) & {\([0000\) to \(9999 /-/ 1 /\) step \(]\)} \\
\hline 231 & Punch Motor & \({ }^{*} \mathrm{CTL}\) & {\([0000\) to \(9999 /-/ 1 /\) step \(]\)} \\
\hline 232 & Stack Transport Motor & \({ }^{*} \mathrm{CTL}\) & {\([0000\) to \(9999 /-/ 1 /\) step \(]\)} \\
\hline 233 & LE Stopper Motor & \({ }^{*} \mathrm{CTL}\) & {\([0000\) to \(9999 /-/ 1 /\) step] } \\
\hline 234 & Folder Blade Motor & \({ }^{*} \mathrm{CTL}\) & {\([0000\) to \(9999 /-/ 1 /\) step \(]\)} \\
\hline 248 & No Exit Response & \({ }^{*} \mathrm{CTL}\) & {\([0000\) to \(9999 /-/ 1 /\) step \(]\)} \\
\hline 249 & \begin{tabular}{l} 
Main Machine Setting \\
Incorrect
\end{tabular} & \({ }^{*} \mathrm{CTL}\) & {\([0000\) to 9999 / / / 1/step] } \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{2}{*}{7505} & \multicolumn{3}{|l|}{} \\
\cline { 2 - 4 } & [Original Jam Detection] \\
\cline { 2 - 4 } & - & & \\
\hline\(* * *\) & Original Jam Detection & \({ }^{*}\) CTL & [0000 to \(9999 /-/-/\) step \(]\) \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{7506} & \multicolumn{3}{|l|}{[Jam Count by Paper Size]} \\
\hline & \multicolumn{3}{|l|}{Displays the number of jams according to the paper size.} \\
\hline 005 & A4 LEF & *CTL & \multirow{4}{*}{[0 to 9999 / 0 / 1 sheet/step]} \\
\hline 006 & A5 LEF & *CTL & \\
\hline 014 & B5 LEF & *CTL & \\
\hline 038 & LT LEF & *CTL & \\
\hline
\end{tabular}

\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{7507} & \multicolumn{3}{|l|}{[Plotter Jam History]} \\
\hline & \multicolumn{3}{|l|}{Logs and displays the 10 most recent detected transfer paper jams. (CAUSE, SIZE, TOTAL, DATE)} \\
\hline 001 & Latest & *CTL & \\
\hline 002 & Latest 1 & *CTL & \\
\hline 003 & Latest 2 & *CTL & \\
\hline 004 & Latest 3 & *CTL & \\
\hline 005 & Latest 4 & *CTL & \\
\hline 006 & Latest 5 & *CTL & \\
\hline 007 & Latest 6 & *CTL & \\
\hline 008 & Latest 7 & *CTL & \\
\hline 009 & Latest 8 & *CTL & \\
\hline 010 & Latest 9 & *CTL & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{7508} & \multicolumn{3}{|l|}{[Original Jam History]} \\
\hline & \multicolumn{3}{|l|}{Logs and displays the 10 most recent detected transfer paper jams. (CAUSE, SIZE, TOTAL, DATE)} \\
\hline 001 & Latest & *CTL & \\
\hline 002 & Latest 1 & *CTL & \\
\hline 003 & Latest 2 & *CTL & \\
\hline 004 & Latest 3 & *CTL & \\
\hline 005 & Latest 4 & *CTL & \\
\hline 006 & Latest 5 & *CTL & \\
\hline 007 & Latest 6 & *CTL & \\
\hline 008 & Latest 7 & *CTL & \\
\hline 009 & Latest 8 & *CTL & \\
\hline 010 & Latest 9 & *CTL & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[t]{2}{*}{7514} & \multicolumn{3}{|l|}{\begin{tabular}{l}
[Paper Jam Count by Location] \\
Total counter of transfer paper jam by each incidence place
\end{tabular}} \\
\hline & \multicolumn{3}{|l|}{Displays occurring count of transfer paper jams by each incidence place.} \\
\hline 001 & At Power On & *CTL & \begin{tabular}{l}
Paper is not fed at power on. \\
[0000 to 9999 / - / 1/step]
\end{tabular} \\
\hline 003 & Tray1: On & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 004 & Tray2: On & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 005 & Tray3: On & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 006 & Tray4: On & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 007 & LCT: On & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 008 & Bypass: On & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 009 & Duplex: On & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 010 & Timing1: On & *CTL & [0000 to 9999 / - / 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 011 & Transport 1: On & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 012 & Transport 2: On & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 013 & Vertical Trans. 3: On & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 014 & Vertical Trans. 4: On & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 015 & LCT Feed Sensor: On & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 016 & LCT Exit: On & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 017 & Registration: On & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 018 & Fusing Entrance: On & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 019 & Fusing Exit: On & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 020 & Paper Exit: On & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 021 & Bridge Tray Exit: On & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 022 & Bridge Relay: On & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 024 & Inverter: On & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 025 & Duplex Exit Sensor: On & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 027 & \begin{tabular}{l}
Duplex Entrance Sensor: \\
On
\end{tabular} & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 051 & Transport 1: Off & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 052 & Transport 2: Off & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 053 & Vertical Trans. 3: Off & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 054 & Vertical Trans. 4: Off & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 057 & Registration Sensor: Off & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 058 & LCT Feed Sensor: Off & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 060 & Paper Exit: Off & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 061 & Bridge: Exit: Off & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 062 & Bridge: Transport: Off & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 064 & Inverter: Off & *CTL & [0000 to 9999 / - / 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 065 & Duplex Exit: Off & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 067 & Duplex Entrance: Off & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 099 & Double-Feed Detection & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 100 & Entrance: On & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 101 & Entrance: Off & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 102 & Transport: On & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 103 & Transport: Off & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 104 & Paper Exit & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 105 & Front Jogger Motor & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 106 & Rear Jogger Motor & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 107 & Shift Roller Motor & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 108 & Positioning Motor & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 109 & Exit Guide Plate Motor & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 110 & Stapler Shift Motor & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 111 & Tray Lift Motor & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 112 & Staple Motor & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 113 & Stack Height Motor & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 114 & Punch Motor & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 115 & Punch Move Motor & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 116 & S-to-S Registration Move Motor & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 148 & No Exit Response & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 149 & Duplex Inverter: Off & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 150 & Entrance Sensor: On & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 151 & Entrance Sensor: Off & *CTL & [0000 to 9999 / - / 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 152 & Horizontal Transport Sn: On & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 153 & Horizontal Transport Sn: Off & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 154 & Switchback Transport Sn: On & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 155 & Switchback Transport Sn: Off & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 156 & Proof Tray Exit & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 157 & Shift Tray Exit & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 158 & Booklet Stapler Exit & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 159 & Entrance Motor & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 160 & Horizontal Transport Motor & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 161 & Pre-Stack Transport Motor & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 162 & Relay Motor & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 163 & Paper Exit Motor & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 164 & Stack Plate Motor: Rear & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 165 & \begin{tabular}{l}
Paper Exit Guide Plate \\
Motor
\end{tabular} & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 166 & Punch Motor & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 167 & Punch Move Motor & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 168 & Pre-Stack: On & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 169 & Pre-Stack: Off & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 170 & Jogger Motor & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 171 & \begin{tabular}{l}
Positioning Roller \\
Rotation Mt
\end{tabular} & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 172 & Feed Out Motor & *CTL & [0000 to 9999 / - / 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 173 & \begin{tabular}{l}
Corner Stapler Moving \\
Motor
\end{tabular} & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 174 & Corner Stapler Motor & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 175 & Booklet Jogger Motor & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 176 & \begin{tabular}{l}
Booklet Jogger Solenoid \\
Motor
\end{tabular} & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 177 & \begin{tabular}{l}
Booklet Standard Fence \\
Motor
\end{tabular} & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 178 & Booklet Stapler Motor & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 179 & Dynamic Roller Transport Mt & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 180 & Folder Transport Motor & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 181 & Bk Stapler Posit RIIr Rotat Mt & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 182 & Press-fold Motor & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 183 & Tray Lift Motor & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 184 & Shift Motor & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 185 & Shift Jogger Motor: Front & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 186 & Shift Jogger Motor: Rear & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 187 & \begin{tabular}{l}
Shift Jogger Retraction \\
Motor
\end{tabular} & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 188 & \begin{tabular}{l}
Drag Roller Vibrating \\
Motor
\end{tabular} & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 189 & \begin{tabular}{l}
Leading Edge Guide \\
Motor
\end{tabular} & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 190 & Job Data Error & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 200 & Entrance: On & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 201 & Entrance: Off & *CTL & [0000 to 9999 / - / 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 202 & Proog Tray Exit: On & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 203 & Proog Tray Exit: Off & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 204 & ITB Transport: Right: On & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 205 & Left Relay: On & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 206 & Left Relay: Off & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 207 & Shift Tray Exit: On & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 208 & Shift Tray Exit: Off & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 209 & Stack: On & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 210 & TE Stopper: On & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 211 & TE Stopper: Off & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 212 & Booklet Folder Exit: On & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 213 & Booklet Folder Exit: Off & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 220 & Entrance Motor & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 221 & Proof Motor & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 222 & \begin{tabular}{l}
Ppr Feed/Posit \& Move \\
RIIr Mt
\end{tabular} & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 223 & Shift Motor & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 224 & Jogger Motor & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 225 & Exit Guide Plate Motor & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 226 & Feed Out Motor & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 227 & Output Tray Motor & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 228 & Positioning Motor & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 229 & Stapler Shift Motor & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 230 & Stapler Motor & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 231 & Punch Motor & *CTL & [0000 to 9999 / - / 1/step] \\
\hline 232 & Stack Transport Motor & *CTL & [0000 to 9999 / - / 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|l|c|l|}
\hline 233 & LE Stopper Motor & \({ }^{*}\) CTL & {\([0000\) to \(9999 /-/ 1 /\) step \(]\)} \\
\hline 234 & Folder Blade Motor & \({ }^{*}\) CTL & {\([0000\) to \(9999 /-/ 1 /\) step \(]\)} \\
\hline 248 & No Exit Response & \({ }^{*} \mathrm{CTL}\) & {\([0000\) to \(9999 /-/ 1 /\) step \(]\)} \\
\hline 249 & \begin{tabular}{l} 
Main Machine Setting \\
Incorrect
\end{tabular} & \({ }^{*} \mathrm{CTL}\) & {\([0000\) to \(9999 /-/ 1 /\) step \(]\)} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{7515} & \multicolumn{3}{|l|}{[Total Original Jam Detection]} \\
\hline & \multicolumn{3}{|l|}{-} \\
\hline *** & \begin{tabular}{l}
Total Original Jam \\
Detection
\end{tabular} & *CTL & [0 to 9999 / - / -] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{7516} & \multicolumn{3}{|l|}{[Jam Paper Size Cnt]} \\
\hline & \multicolumn{3}{|l|}{Displays occurring count of transfer paper jams by each paper size.} \\
\hline 005 & A4 LEF & *CTL & \multirow{5}{*}{[0 to 9999 / 0 / 1 sheet/step]} \\
\hline 006 & A5 LEF & *CTL & \\
\hline 014 & B5 LEF & *CTL & \\
\hline 038 & LT LEF & *CTL & \\
\hline 044 & HLT LEF & *CTL & \\
\hline 132 & A3 SEF & *CTL & \multirow{5}{*}{[0 to 9999 / 0 / 1 sheet/step]} \\
\hline 133 & A4 SEF & *CTL & \\
\hline 134 & A5 SEF & *CTL & \\
\hline 141 & B4 SEF & *CTL & \\
\hline 142 & B5 SEF & *CTL & \\
\hline 160 & DLT SEF & *CTL & \multirow{4}{*}{[0 to 9999 / 0 / 1 sheet/step]} \\
\hline 164 & LG SEF & *CTL & \\
\hline 166 & LT SEF & *CTL & \\
\hline 172 & HLT SEF & *CTL & \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|l|}
\hline 255 & Others & \({ }^{*}\) CTL & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{7621} & \multicolumn{3}{|l|}{[PM Counter Display: Pages]} \\
\hline & - & & \\
\hline 002 & \# PCU:K & ENG & \multirow{3}{*}{[0 to 99999999 / 0 / 1page/step]} \\
\hline 003 & \# Dev Unit:K & ENG & \\
\hline 004 & Developer:K & ENG & \\
\hline 025 & \# PCU:C & ENG & \multirow{3}{*}{[0 to 99999999 / 0 / 1page/step]} \\
\hline 026 & \# Dev Unit:C & ENG & \\
\hline 027 & Developer:C & ENG & \\
\hline 048 & \# PCU:M & ENG & \multirow{3}{*}{[0 to 99999999 / 0 / 1page/step]} \\
\hline 049 & \# Dev Unit:M & ENG & \\
\hline 050 & Developer:M & ENG & \\
\hline 071 & \# PCU:Y & ENG & \multirow{3}{*}{[0 to 99999999 / 0 / 1page/step]} \\
\hline 072 & \# Dev Unit:Y & ENG & \\
\hline 073 & Developer:Y & ENG & \\
\hline 093 & \# ITB Unit & ENG & \multirow{6}{*}{[0 to 99999999 / 0 / 1page/step]} \\
\hline 102 & \# ITB Cleaning Unit & ENG & \\
\hline 109 & \# PTR Unit & ENG & \\
\hline 115 & \# Fusing Unit & ENG & \\
\hline 116 & Fusing Belt & ENG & \\
\hline 118 & Pressure Roller & ENG & \\
\hline 131 & Dust Filter: Ozone Duct & ENG & \multirow{2}{*}{[0 to 99999999 / 0 / 1page/step]} \\
\hline 132 & Dust Filter: Fan Duct & ENG & \\
\hline 142 & Waste Toner Bottle & ENG & [0 to 999999999 / 0 / 1mg/step] \\
\hline 206 & ADF Pick-up Roller & ENG & [0 to 99999999 / 0 / 1page/step] \\
\hline
\end{tabular}

Main SP Tables-7
\begin{tabular}{|c|l|c|c|}
\hline 207 & ADF Supply Belt & ENG & \\
\hline 208 & ADF Reverse Roller & ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{7622} & \multicolumn{3}{|l|}{[PM Counter Reset]} \\
\hline & \multicolumn{3}{|l|}{-} \\
\hline 002 & \# PCU:K & ENG & \multirow{4}{*}{[0 or 1 / 0 / 1/step]} \\
\hline 003 & \# Dev Unit:K & ENG & \\
\hline 004 & Developer:K & ENG & \\
\hline 011 & Lubricant Bar:K & ENG & \\
\hline 025 & \# PCU:C & ENG & \multirow{3}{*}{[ 0 or \(1 / 0\) / 1/step]} \\
\hline 026 & \# Dev Unit:C & ENG & \\
\hline 027 & Developer:C & ENG & \\
\hline 048 & \# PCU:M & ENG & \multirow{3}{*}{[ 0 or \(1 / 0\) / 1/step]} \\
\hline 049 & \# Dev Unit:M & ENG & \\
\hline 050 & Developer:M & ENG & \\
\hline 071 & \# PCU:Y & ENG & \multirow{3}{*}{[ 0 or 1 / 0 / 1/step]} \\
\hline 072 & \# Dev Unit:Y & ENG & \\
\hline 073 & Developer:Y & ENG & \\
\hline 093 & \# ITB Unit & ENG & \multirow{6}{*}{[ 0 or 1 / 0 / 1/step]} \\
\hline 102 & \# ITB Cleaning Unit & ENG & \\
\hline 109 & \# PTR Unit & ENG & \\
\hline 115 & \# Fusing Unit & ENG & \\
\hline 116 & Fusing Belt & ENG & \\
\hline 118 & Pressure Roller & ENG & \\
\hline 131 & Dust Filter: Ozone Duct & ENG & \multirow{2}{*}{[0 or 1 / 0 / 1/step]} \\
\hline 132 & Dust Filter: Fan Duct & ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 142 & Waste Toner Bottle & ENG & \\
\hline 206 & ADF Pick-up Roller & ENG & \multirow{3}{*}{[ 0 or 1 / 0 / 1/step]} \\
\hline 207 & ADF Supply Belt & ENG & \\
\hline 208 & ADF Reverse Roller & ENG & \\
\hline 220 & Toner Sub Hopper:K & ENG & \multirow{4}{*}{[ 0 or 1 / 0 / 1/step]} \\
\hline 221 & Toner Sub Hopper: C & ENG & \\
\hline 222 & Toner Sub Hopper:M & ENG & \\
\hline 223 & Toner Sub Hopper:Y & ENG & \\
\hline 245 & PCU:All Colors & ENG & \multirow{4}{*}{[ 0 or 1 / 0 / 1/step]} \\
\hline 246 & \begin{tabular}{l}
Development Unit:All \\
Colors
\end{tabular} & ENG & \\
\hline 247 & Developer:All Colors & ENG & \\
\hline 249 & \begin{tabular}{l}
Toner Sub Hopper:All \\
Colors
\end{tabular} & ENG & \\
\hline 250 & SCS & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|}
\hline \multirow{2}{*}{7623} & \multicolumn{4}{|l|}{[PM Value Setting: Life Pages]} \\
\hline & \multicolumn{4}{|l|}{-} \\
\hline 002 & \# PCU:K & ENG & \multicolumn{2}{|l|}{\multirow{3}{*}{[0 to 99999999 / 0 / 1page/step]}} \\
\hline 003 & \# Dev Unit:K & ENG & & \\
\hline 004 & Developer:K & ENG & & \\
\hline 025 & \# PCU:C & ENG & \multicolumn{2}{|l|}{\multirow{3}{*}{[0 to 99999999 / 0 / 1page/step]}} \\
\hline 026 & \# Dev Unit:C & ENG & & \\
\hline 027 & Developer:C & ENG & & \\
\hline 048 & \# PCU:M & ENG & \multicolumn{2}{|l|}{\multirow{3}{*}{[0 to 99999999 / 0 / 1page/step]}} \\
\hline 049 & \# Dev Unit:M & ENG & & \\
\hline 050 & Developer:M & ENG & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 071 & \# PCU:Y & ENG & \multirow{3}{*}{[0 to 99999999 / 0 / 1page/step]} \\
\hline 072 & \# Dev Unit:Y & ENG & \\
\hline 073 & Developer:Y & ENG & \\
\hline 093 & \# ITB Unit & ENG & [0 to 99999999 / 600000 / 1page/step] \\
\hline 102 & \# ITB Cleaning Unit & ENG & [0 to 99999999 / 300000 / 1page/step] \\
\hline 109 & \# PTR Unit & ENG & [0 to 99999999 / 400000 / 1page/step] \\
\hline 115 & \# Fusing Unit & ENG & \multirow{3}{*}{[0 to 99999999 / 400000 / 1page/step]} \\
\hline 116 & Fusing Belt & ENG & \\
\hline 118 & Pressure Roller & ENG & \\
\hline 131 & Dust Filter: Ozone Duct & ENG & \multirow{2}{*}{[0 to 99999999 / 300000 / 1page/step]} \\
\hline 132 & Dust Filter: Fan Duct & ENG & \\
\hline 142 & Waste Toner Bottle & ENG & [0 to 999999999 / 1000000 / 1mg/step] \\
\hline 206 & ADF Pick-up Roller & ENG & \multirow{3}{*}{[0 to 99999999 / 120000 / 1page/step]} \\
\hline 207 & ADF Supply Belt & ENG & \\
\hline 208 & ADF Reverse Roller & ENG & \\
\hline
\end{tabular}

\begin{tabular}{|c|c|c|c|}
\hline 005 & Developer Filter:K & *CTL & \begin{tabular}{l}
[0 or \(1 / 0\) / 1/step] \\
0 : No \\
1: Yes
\end{tabular} \\
\hline 008 & \#Cleaning Unit:K & *CTL & \[
\begin{aligned}
& {[0 \text { or } 1 / 0 / 1 / \text { step }]} \\
& 0: \text { No } \\
& 1: \text { Yes }
\end{aligned}
\] \\
\hline 009 & Cleaning Blade:K & *CTL & \begin{tabular}{l}
[ 0 or \(1 / 0 / 1 /\) step] \\
0 : No \\
1: Yes
\end{tabular} \\
\hline 010 & Brush Roller:K & *CTL & \begin{tabular}{l}
[ 0 or \(1 / 0 / 1 /\) step] \\
0 : No \\
1: Yes
\end{tabular} \\
\hline 011 & Coating Bar:K & *CTL & \begin{tabular}{l}
[0 or 1 / 0 / 1/step] \\
0 : No \\
1: Yes
\end{tabular} \\
\hline 012 & Apply Blade:K & *CTL & \[
\begin{aligned}
& {[0 \text { or } 1 / 0 / 1 / \text { step }]} \\
& 0 \text { : No } \\
& 1: \text { Yes }
\end{aligned}
\] \\
\hline 013 & Joint:Cleaning Unit:K & *CTL & \begin{tabular}{l}
[ 0 or \(1 / 0 / 1 /\) step] \\
0 : No \\
1: Yes
\end{tabular} \\
\hline 014 & Gear:Cleaning:K & *CTL & \begin{tabular}{l}
[0 or \(1 / 0 / 1 /\) step] \\
0 : No \\
1: Yes
\end{tabular} \\
\hline 017 & \#Charge Roller Cleaner:K & *CTL & \[
\begin{aligned}
& \text { [0 or } 1 / 0 / 1 / \text { step] }] \\
& 0: \text { No } \\
& \text { 1: Yes }
\end{aligned}
\] \\
\hline 018 & Charge Roller:K & *CTL & \[
\begin{aligned}
& {[0 \text { or } 1 / 0 / 1 / \text { step }]} \\
& 0: \text { No } \\
& 1: \text { Yes }
\end{aligned}
\] \\
\hline 019 & Charge Roller Cleaner:K & *CTL & \[
\begin{aligned}
& {[0 \text { or } 1 / 0 / 1 / \text { step }]} \\
& 0: \text { No } \\
& 1: \text { Yes }
\end{aligned}
\] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 020 & Gear:Charge Roller:K & *CTL & \[
\begin{aligned}
& \text { [0 or } 1 / 0 / 1 / \text { step] } \\
& 0 \text { : No } \\
& \text { 1: Yes }
\end{aligned}
\] \\
\hline 021 & \#Photo Conductor:K & *CTL & \[
\begin{aligned}
& \text { [0 or } 1 / 0 \text { / 1/step] } \\
& 0 \text { : No } \\
& \text { 1: Yes }
\end{aligned}
\] \\
\hline 024 & \#PCDU:C & *CTL & \[
\begin{aligned}
& \text { [0 or } 1 / 0 \text { / 1/step] } \\
& 0 \text { : No } \\
& \text { 1: Yes }
\end{aligned}
\] \\
\hline 026 & \#Development Unit:C & *CTL & \[
\begin{aligned}
& \text { [0 or } 1 / 0 / 1 / \text { step] } \\
& 0 \text { : No } \\
& \text { 1: Yes }
\end{aligned}
\] \\
\hline 027 & Developer:C & *CTL & \[
\begin{aligned}
& \text { [0 or } 1 / 0 / 1 / \text { step] } \\
& 0 \text { : No } \\
& \text { 1: Yes }
\end{aligned}
\] \\
\hline 028 & Developer Filter:C & *CTL & \[
\begin{aligned}
& \text { [0 or } 1 / 0 / 1 / \text { step }] \\
& 0: \text { No } \\
& \text { 1: Yes }
\end{aligned}
\] \\
\hline 031 & \#Cleaning Unit:C & *CTL & \[
\begin{aligned}
& \text { [0 or } 1 / 0 / 1 / \text { step] } \\
& 0 \text { : No } \\
& \text { 1: Yes }
\end{aligned}
\] \\
\hline 032 & Cleaning Blade:C & *CTL & \[
\begin{aligned}
& \text { [0 or } 1 / 0 / 1 / \text { step] } \\
& 0 \text { : No } \\
& \text { 1: Yes }
\end{aligned}
\] \\
\hline 033 & Brush Roller:C & *CTL & \[
\begin{aligned}
& {[0 \text { or } 1 / 0 / 1 / \text { step }]} \\
& 0: \text { No } \\
& 1: \text { Yes }
\end{aligned}
\] \\
\hline 034 & Coating Bar:C & *CTL & \[
\begin{aligned}
& \text { [0 or } 1 / 0 \text { / 1/step] } \\
& 0 \text { : No } \\
& \text { 1: Yes }
\end{aligned}
\] \\
\hline 035 & Apply Blade:C & *CTL & \[
\begin{aligned}
& \text { [0 or } 1 / 0 / 1 / \text { step] } \\
& 0 \text { : No } \\
& \text { 1: Yes }
\end{aligned}
\] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 036 & Joint: Cleaning Unit:C & *CTL & \begin{tabular}{l}
[0 or \(1 / 0 / 1 /\) step] \\
0 : No \\
1: Yes
\end{tabular} \\
\hline 037 & Gear: Cleaning Unit:C & *CTL & \begin{tabular}{l}
[ 0 or \(1 / 0 / 1 /\) step] \\
0 : No \\
1: Yes
\end{tabular} \\
\hline 040 & \#Charge Roller Unit:C & *CTL & \begin{tabular}{l}
[0 or 1 / 0 / 1/step] \\
0 : No \\
1: Yes
\end{tabular} \\
\hline 041 & Charge Roller:C & *CTL & \[
\begin{aligned}
& {[0 \text { or } 1 / 0 / 1 / \text { step }]} \\
& 0: \text { No } \\
& 1: \text { Yes }
\end{aligned}
\] \\
\hline 042 & Charge Roller Cleaner: C & *CTL & \[
\begin{aligned}
& {[0 \text { or } 1 / 0 / 1 / \text { step }]} \\
& 0 \text { : No } \\
& 1: \text { Yes }
\end{aligned}
\] \\
\hline 043 & Gear: Charge Roller:C & *CTL & \begin{tabular}{l}
[0 or 1 / 0 / 1/step] \\
0 : No \\
1: Yes
\end{tabular} \\
\hline 044 & \#Photo Conductor:C & *CTL & \[
\begin{aligned}
& {[0 \text { or } 1 / 0 / 1 / \text { step }]} \\
& 0: \text { No } \\
& 1: \text { Yes }
\end{aligned}
\] \\
\hline 047 & \#PCDU:M & *CTL & \[
\begin{aligned}
& {[0 \text { or } 1 / 0 / 1 / \text { step }]} \\
& 0: \text { No } \\
& \text { 1: Yes }
\end{aligned}
\] \\
\hline 049 & \#Development Unit:M & *CTL & \begin{tabular}{l}
[ 0 or \(1 / 0 / 1 /\) step] \\
0 : No \\
1: Yes
\end{tabular} \\
\hline 050 & Developer:M & *CTL & \[
\begin{aligned}
& \text { [0 or } 1 / 0 / 1 / \text { step }] \\
& 0 \text { : No } \\
& 1: \text { Yes }
\end{aligned}
\] \\
\hline 051 & Developer Filter:M & *CTL & \[
\begin{aligned}
& {[0 \text { or } 1 / 0 / 1 / \text { step }]} \\
& 0: \text { No } \\
& 1: \text { Yes }
\end{aligned}
\] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 054 & \#Cleaning Unit:M & *CTL & \begin{tabular}{l}
[0 or \(1 / 0 / 1 /\) step] \\
0 : No \\
1: Yes
\end{tabular} \\
\hline 055 & Cleaning Blade:M & *CTL & \begin{tabular}{l}
[0 or \(1 / 0 / 1 /\) step] \\
0 : No \\
1: Yes
\end{tabular} \\
\hline 056 & Brush Roller:M & *CTL & \[
\begin{aligned}
& {[0 \text { or } 1 / 0 / 1 / \text { step }]} \\
& 0: \text { No } \\
& 1: \text { Yes }
\end{aligned}
\] \\
\hline 057 & Coating Bar:M & *CTL & \[
\begin{aligned}
& \text { [0 or } 1 / 0 / 1 / \text { step }] \\
& 0 \text { : No } \\
& 1: \text { Yes }
\end{aligned}
\] \\
\hline 058 & Apply Blade:M & *CTL & \begin{tabular}{l}
[ 0 or \(1 / 0 / 1 /\) step] \\
0 : No \\
1: Yes
\end{tabular} \\
\hline 059 & Joint: Cleaning Unit:M & *CTL & \[
\begin{aligned}
& \text { [0 or } 1 / 0 \text { / 1/step] }] \\
& 0 \text { : No } \\
& 1: \text { Yes }
\end{aligned}
\] \\
\hline 060 & Gear: Cleaning:M & *CTL & \begin{tabular}{l}
[ 0 or \(1 / 0 / 1 /\) step] \\
0 : No \\
1: Yes
\end{tabular} \\
\hline 063 & \#Charge Roller Unit:M & *CTL & \begin{tabular}{l}
[0 or \(1 / 0 / 1 /\) step] \\
0 : No \\
1: Yes
\end{tabular} \\
\hline 064 & Charge Roller:M & *CTL & \[
\begin{aligned}
& {[0 \text { or } 1 / 0 / 1 / \text { step }]} \\
& 0: \text { No } \\
& 1: \text { Yes }
\end{aligned}
\] \\
\hline 065 & Charge Roller Cleaner:M & *CTL & \[
\begin{aligned}
& \text { [0 or } 1 / 0 / 1 / \text { step] }] \\
& 0: \text { No } \\
& \text { 1: Yes }
\end{aligned}
\] \\
\hline 066 & Gear: Charge Roller:M & *CTL & \[
\begin{aligned}
& {[0 \text { or } 1 / 0 / 1 / \text { step }]} \\
& 0: \text { No } \\
& 1: \text { Yes }
\end{aligned}
\] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 067 & \#Photo Conductor:M & *CTL & \begin{tabular}{l}
[0 or \(1 / 0\) / 1/step] \\
0 : No \\
1: Yes
\end{tabular} \\
\hline 070 & \#PCDU:Y & *CTL & \[
\begin{aligned}
& {[0 \text { or } 1 / 0 / 1 / \text { step }]} \\
& 0: \text { No } \\
& 1: \text { Yes }
\end{aligned}
\] \\
\hline 072 & \#Development Unit:Y & *CTL & \begin{tabular}{l}
[ 0 or \(1 / 0 / 1 /\) step] \\
0 : No \\
1: Yes
\end{tabular} \\
\hline 073 & Developer:Y & *CTL & \begin{tabular}{l}
[ 0 or \(1 / 0 / 1 /\) step] \\
0 : No \\
1: Yes
\end{tabular} \\
\hline 074 & Developer Filter:Y & *CTL & \begin{tabular}{l}
[0 or 1 / 0 / 1/step] \\
0 : No \\
1: Yes
\end{tabular} \\
\hline 077 & \#Cleaning Unit:Y & *CTL & \[
\begin{aligned}
& {[0 \text { or } 1 / 0 / 1 / \text { step }]} \\
& 0 \text { : No } \\
& 1: \text { Yes }
\end{aligned}
\] \\
\hline 078 & Cleaning Blade:Y & *CTL & \begin{tabular}{l}
[ 0 or \(1 / 0 / 1 /\) step] \\
0 : No \\
1: Yes
\end{tabular} \\
\hline 079 & Brush Roller:Y & *CTL & \begin{tabular}{l}
[0 or \(1 / 0 / 1 /\) step] \\
0 : No \\
1: Yes
\end{tabular} \\
\hline 080 & Coating Bar:Y & *CTL & \[
\begin{aligned}
& \text { [0 or } 1 / 0 / 1 / \text { step] }] \\
& 0: \text { No } \\
& \text { 1: Yes }
\end{aligned}
\] \\
\hline 081 & Apply Blade:Y & *CTL & \[
\begin{aligned}
& {[0 \text { or } 1 / 0 / 1 / \text { step }]} \\
& 0: \text { No } \\
& 1: \text { Yes }
\end{aligned}
\] \\
\hline 082 & Joint:Cleaning Unit:Y & *CTL & \[
\begin{aligned}
& {[0 \text { or } 1 / 0 / 1 / \text { step }]} \\
& 0: \text { No } \\
& 1: \text { Yes }
\end{aligned}
\] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 083 & Gear: Cleaning: Y & *CTL & \begin{tabular}{l}
[0 or \(1 / 0 / 1 /\) step] \\
0 : No \\
1: Yes
\end{tabular} \\
\hline 086 & \#Charge Roller Unit:Y & *CTL & \begin{tabular}{l}
[ 0 or \(1 / 0 / 1 /\) step] \\
0 : No \\
1: Yes
\end{tabular} \\
\hline 087 & Charge Roller:Y & *CTL & \begin{tabular}{l}
[0 or 1 / 0 / 1/step] \\
0 : No \\
1: Yes
\end{tabular} \\
\hline 088 & Charge Roller Cleaner:Y & *CTL & \[
\begin{aligned}
& {[0 \text { or } 1 / 0 / 1 / \text { step }]} \\
& 0: \text { No } \\
& 1: \text { Yes }
\end{aligned}
\] \\
\hline 089 & Gear: Charge Roller:Y & *CTL & \[
\begin{aligned}
& {[0 \text { or } 1 / 0 / 1 / \text { step }]} \\
& 0 \text { : No } \\
& 1: \text { Yes }
\end{aligned}
\] \\
\hline 090 & \#Photo Conduntor:Y & *CTL & \begin{tabular}{l}
[0 or 1 / 0 / 1/step] \\
0 : No \\
1: Yes
\end{tabular} \\
\hline 093 & \#ITB Unit & *CTL & \[
\begin{aligned}
& {[0 \text { or } 1 / 0 / 1 / \text { step }]} \\
& 0: \text { No } \\
& 1: \text { Yes }
\end{aligned}
\] \\
\hline 094 & \begin{tabular}{l}
ITB(Intermedediate Transfer \\
Belt)
\end{tabular} & *CTL & \[
\begin{aligned}
& {[0 \text { or } 1 / 0 / 1 / \text { step }]} \\
& 0: \text { No } \\
& \text { 1: Yes }
\end{aligned}
\] \\
\hline 095 & Transfer Roller:ITB:K & *CTL & \[
\begin{aligned}
& {[0 \text { or } 1 / 0 / 1 / \text { step }]} \\
& 0: \text { No } \\
& 1: \text { Yes }
\end{aligned}
\] \\
\hline 096 & Transfer Roller: ITB:C & *CTL & \[
\begin{aligned}
& \text { [0 or } 1 / 0 / 1 / \text { step }] \\
& 0 \text { : No } \\
& 1: \text { Yes }
\end{aligned}
\] \\
\hline 097 & Transfer Roller: ITB:M & *CTL & \begin{tabular}{l}
[ 0 or \(1 / 0 / 1 /\) step] \\
0 : No \\
1: Yes
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 098 & Transfer Roller: ITB:Y & *CTL & \[
\begin{aligned}
& \text { [0 or } 1 / 0 / 1 / \text { step] } \\
& 0 \text { : No } \\
& \text { 1: Yes }
\end{aligned}
\] \\
\hline 099 & \begin{tabular}{l}
Paper Transfer: Backup Roller: \\
ITB
\end{tabular} & *CTL & \[
\begin{aligned}
& \text { [0 or } 1 / 0 \text { / 1/step] } \\
& 0 \text { : No } \\
& \text { 1: Yes }
\end{aligned}
\] \\
\hline 102 & \#ITB Cleaning Unit & *CTL & \[
\begin{aligned}
& \text { [0 or } 1 / 0 / 1 / \text { step }] \\
& 0 \text { : No } \\
& \text { 1: Yes }
\end{aligned}
\] \\
\hline 103 & ITB Cleaning Blade & *CTL & \[
\begin{aligned}
& \text { [0 or } 1 / 0 / 1 / \text { step] }] \\
& 0 \text { : No } \\
& \text { 1: Yes }
\end{aligned}
\] \\
\hline 104 & ITB Lubricant BrushRoller & *CTL & \[
\begin{aligned}
& \text { [0 or } 1 / 0 / 1 / \text { step] } \\
& 0 \text { : No } \\
& \text { 1: Yes }
\end{aligned}
\] \\
\hline 105 & ITB Lubricant bar & *CTL & \[
\begin{aligned}
& \text { [0 or } 1 / 0 / 1 / \text { step }] \\
& 0 \text { : No } \\
& \text { 1: Yes }
\end{aligned}
\] \\
\hline 106 & ITB Lubricant blade & *CTL & \[
\begin{aligned}
& \text { [0 or } 1 / 0 / 1 / \text { step] }] \\
& 0 \text { : No } \\
& \text { 1: Yes }
\end{aligned}
\] \\
\hline 109 & \#PTR Unit & *CTL & \[
\begin{aligned}
& \text { [0 or } 1 / 0 / 1 / \text { step] } \\
& 0 \text { : No } \\
& \text { 1: Yes }
\end{aligned}
\] \\
\hline 110 & Paper Transfer Discharge Plate & *CTL & \[
\begin{aligned}
& \text { [0 or } 1 / 0 / 1 / \text { step }] \\
& 0 \text { : No } \\
& \text { 1: Yes }
\end{aligned}
\] \\
\hline 111 & PTR (Paper Transfer Unit) & *CTL & \[
\begin{aligned}
& \text { [0 or } 1 / 0 \text { / 1/step] } \\
& 0 \text { : No } \\
& \text { 1: Yes }
\end{aligned}
\] \\
\hline 114 & \#Fusing Unit Assy & *CTL & \[
\begin{aligned}
& \text { [0 or } 1 / 0 / 1 / \text { step] }] \\
& 0 \text { : No } \\
& \text { 1: Yes }
\end{aligned}
\] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 115 & \#Fusing Unit & *CTL & \begin{tabular}{l}
[0 or \(1 / 0 / 1 /\) step] \\
0 : No \\
1: Yes
\end{tabular} \\
\hline 116 & Fusing Belt & *CTL & \begin{tabular}{l}
[ 0 or \(1 / 0 / 1 /\) step] \\
0 : No \\
1: Yes
\end{tabular} \\
\hline 117 & Hot Roller & *CTL & \begin{tabular}{l}
[0 or 1 / 0 / 1/step] \\
0 : No \\
1: Yes
\end{tabular} \\
\hline 118 & Pressure Roller & *CTL & \[
\begin{aligned}
& {[0 \text { or } 1 / 0 / 1 / \text { step }]} \\
& 0: \text { No } \\
& 1: \text { Yes }
\end{aligned}
\] \\
\hline 119 & Shaft Bearing: Press Roller & *CTL & \[
\begin{aligned}
& {[0 \text { or } 1 / 0 / 1 / \text { step }]} \\
& 0 \text { : No } \\
& 1: \text { Yes }
\end{aligned}
\] \\
\hline 120 & Refresh Roller & *CTL & \begin{tabular}{l}
[0 or 1 / 0 / 1/step] \\
0 : No \\
1: Yes
\end{tabular} \\
\hline 124 & \#Fusing Cleaning Unit & *CTL & \[
\begin{aligned}
& {[0 \text { or } 1 / 0 / 1 / \text { step }]} \\
& 0: \text { No } \\
& 1: \text { Yes }
\end{aligned}
\] \\
\hline 125 & Cleaning Web & *CTL & \[
\begin{aligned}
& {[0 \text { or } 1 / 0 / 1 / \text { step }]} \\
& 0: \text { No } \\
& \text { 1: Yes }
\end{aligned}
\] \\
\hline 126 & Web Cleaning Roller & *CTL & \[
\begin{aligned}
& {[0 \text { or } 1 / 0 / 1 / \text { step }]} \\
& 0: \text { No } \\
& 1: \text { Yes }
\end{aligned}
\] \\
\hline 127 & Web Brake Pad & *CTL & \[
\begin{aligned}
& \text { [0 or } 1 / 0 / 1 / \text { step }] \\
& 0 \text { : No } \\
& 1: \text { Yes }
\end{aligned}
\] \\
\hline 130 & \#Filter: Main & *CTL & \begin{tabular}{l}
[ 0 or \(1 / 0 / 1 /\) step] \\
0 : No \\
1: Yes
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 131 & Dust Filter: Large & *CTL & \[
\begin{aligned}
& {[0 \text { or } 1 / 0 / 1 / \text { step }]} \\
& 0: \text { No } \\
& \text { 1: Yes }
\end{aligned}
\] \\
\hline 132 & Dust Filter: Small & *CTL & \[
\begin{aligned}
& {[0 \text { or } 1 / 0 \text { / 1/step] }]} \\
& 0 \text { : No } \\
& 1: \text { Yes }
\end{aligned}
\] \\
\hline 133 & Ozone Filter & *CTL & \[
\begin{aligned}
& \text { [0 or } 1 / 0 / 1 / \text { step }] \\
& 0 \text { : No } \\
& 1: \text { Yes }
\end{aligned}
\] \\
\hline 134 & Deodorant Filter: Large & *CTL & \[
\begin{aligned}
& {[0 \text { or } 1 / 0 / 1 / \text { step }]} \\
& 0: \text { No } \\
& \text { 1: Yes }
\end{aligned}
\] \\
\hline 135 & Deodorant Filter: Small & *CTL & \[
\begin{aligned}
& {[0 \text { or } 1 / 0 / 1 / \text { step }]} \\
& 0: \text { No } \\
& \text { 1: Yes }
\end{aligned}
\] \\
\hline 142 & Waste Toner Bottle & *CTL & \[
\begin{aligned}
& {[0 \text { or } 1 / 0 / 1 / \text { step }]} \\
& 0 \text { : No } \\
& 1: \text { Yes }
\end{aligned}
\] \\
\hline 145 & \#Tray1 Rollers & *CTL & \[
\begin{aligned}
& {[0 \text { or } 1 / 0 / 1 / \text { step }]} \\
& 0: \text { No } \\
& \text { 1: Yes }
\end{aligned}
\] \\
\hline 146 & Pick-up Roller: Tray1 & *CTL & \[
\begin{aligned}
& {[0 \text { or } 1 / 0 / 1 / \text { step }]} \\
& 0: \text { No } \\
& \text { 1: Yes }
\end{aligned}
\] \\
\hline 147 & Feed Roller: Tray1 & *CTL & \[
\begin{aligned}
& {[0 \text { or } 1 / 0 / 1 / \text { step }]} \\
& 0: \text { No } \\
& 1: \text { Yes }
\end{aligned}
\] \\
\hline 148 & Separation Roller: Tray1 & *CTL & \[
\begin{aligned}
& {[0 \text { or } 1 / 0 \text { / 1/step] }]} \\
& 0 \text { : No } \\
& 1: \text { Yes }
\end{aligned}
\] \\
\hline 151 & \#Tray2 Roller & *CTL & \[
\begin{aligned}
& {[0 \text { or } 1 / 0 / 1 / \text { step }]} \\
& 0: \text { No } \\
& 1: \text { Yes }
\end{aligned}
\] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 152 & Pick-up Roller: Tray2 & *CTL & \[
\begin{aligned}
& \text { [0 or } 1 / 0 / 1 / \text { step] } \\
& 0 \text { : No } \\
& \text { 1: Yes }
\end{aligned}
\] \\
\hline 153 & Feed Roller: Tray2 & *CTL & \[
\begin{aligned}
& \text { [0 or } 1 / 0 \text { / 1/step] } \\
& 0 \text { : No } \\
& \text { 1: Yes }
\end{aligned}
\] \\
\hline 154 & Separation Roller: Tray2 & *CTL & \[
\begin{aligned}
& \text { [0 or } 1 / 0 / 1 / \text { step] } \\
& 0 \text { : No } \\
& \text { 1: Yes }
\end{aligned}
\] \\
\hline 157 & \#Tray3 Rollers & *CTL & \[
\begin{aligned}
& \text { [0 or } 1 / 0 / 1 / \text { step }] \\
& 0 \text { : No } \\
& 1: \text { Yes }
\end{aligned}
\] \\
\hline 158 & Pick-up Roller: Tray3 & *CTL & \[
\begin{aligned}
& \text { [0 or } 1 / 0 / 1 / \text { step }] \\
& 0 \text { : No } \\
& \text { 1: Yes }
\end{aligned}
\] \\
\hline 159 & Feed Roller: Tray3 & *CTL & \[
\begin{aligned}
& \text { [0 or } 1 / 0 / 1 / \text { step] }] \\
& 0 \text { : No } \\
& \text { 1: Yes }
\end{aligned}
\] \\
\hline 160 & Separation Roller: Tray3 & *CTL & \[
\begin{aligned}
& \text { [0 or } 1 / 0 / 1 / \text { step] } \\
& 0 \text { : No } \\
& \text { 1: Yes }
\end{aligned}
\] \\
\hline 163 & \#Tray4 Rollers & *CTL & \[
\begin{aligned}
& \text { [0 or } 1 / 0 / 1 / \text { step }] \\
& 0 \text { : No } \\
& \text { 1: Yes }
\end{aligned}
\] \\
\hline 164 & Pick-up Roller: Tray4 & *CTL & \[
\begin{aligned}
& \text { [0 or } 1 / 0 / 1 / \text { step] }] \\
& 0 \text { : No } \\
& \text { 1: Yes }
\end{aligned}
\] \\
\hline 165 & Feed Roller: Tray & *CTL & \[
\begin{aligned}
& \text { [0 or } 1 / 0 \text { / 1/step] } \\
& 0 \text { : No } \\
& \text { 1: Yes }
\end{aligned}
\] \\
\hline 166 & Separation Roller: Tray4 & *CTL & \[
\begin{aligned}
& \text { [0 or } 1 / 0 / 1 / \text { step }] \\
& 0 \text { : No } \\
& 1 \text { : Yes }
\end{aligned}
\] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 169 & \#By-pass Rollers & *CTL & \[
\begin{aligned}
& \text { [0 or } 1 / 0 / 1 / \text { step }] \\
& 0: \text { No } \\
& \text { 1: Yes }
\end{aligned}
\] \\
\hline 170 & Pick-up Roller: By-pass & *CTL & \[
\begin{aligned}
& \text { [0 or } 1 / 0 / 1 / \text { step }] \\
& 0: \text { No } \\
& \text { 1: Yes }
\end{aligned}
\] \\
\hline 171 & Feed Roller: By-pass & *CTL & \[
\begin{aligned}
& \text { [0 or } 1 / 0 / 1 / \text { step }] \\
& 0: \text { No } \\
& \text { 1: Yes }
\end{aligned}
\] \\
\hline 172 & Separation Roller: By-pass & *CTL & \[
\begin{aligned}
& \text { [0 or } 1 \text { / } 0 \text { / 1/step] } \\
& \text { 0: No } \\
& \text { 1: Yes }
\end{aligned}
\] \\
\hline 175 & \#A3_DLT LCT Rollers & *CTL & \[
\begin{aligned}
& \text { [0 or } 1 \text { / } 0 \text { / 1/step] } \\
& \text { 0: No } \\
& \text { 1: Yes }
\end{aligned}
\] \\
\hline 176 & Pick-up Roller: A3_DLT LCT & *CTL & \[
\begin{aligned}
& \text { [0 or } 1 / 0 / 1 / \text { step }] \\
& 0: \text { No } \\
& \text { 1: Yes }
\end{aligned}
\] \\
\hline 177 & Feed Roller: A3_DLT LCT & *CTL & \[
\begin{aligned}
& \text { [0 or } 1 / 0 / 1 / \text { step }] \\
& 0: \text { No } \\
& \text { 1: Yes }
\end{aligned}
\] \\
\hline 178 & Separation Roller: A3_DLT LCT & *CTL & \[
\begin{aligned}
& \text { [0 or } 1 \text { / } 0 \text { / 1/step] } \\
& \text { 0: No } \\
& \text { 1: Yes }
\end{aligned}
\] \\
\hline 181 & \#A4_LT LCT Rollers & *CTL & \[
\begin{aligned}
& \text { [0 or } 1 / 0 \text { / 1/step] } \\
& 0: \text { No } \\
& \text { 1: Yes }
\end{aligned}
\] \\
\hline 182 & Pick-up Roller: A4_LT LCT & *CTL & \[
\begin{aligned}
& \text { [0 or } 1 / 0 \text { / 1/step] } \\
& 0: \text { No } \\
& \text { 1: Yes }
\end{aligned}
\] \\
\hline 183 & Feed Roller: A4_LT LCT & *CTL & \[
\begin{aligned}
& \text { [0 or } 1 / 0 / 1 / \text { step }] \\
& 0: \text { No } \\
& \text { 1: Yes }
\end{aligned}
\] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 184 & Separation Roller: A4_LT LCT & *CTL & \[
\begin{aligned}
& \text { [0 or } 1 / 0 / 1 / \text { step] } \\
& 0 \text { : No } \\
& \text { 1: Yes }
\end{aligned}
\] \\
\hline 187 & \#Inseter Tray1 Rollers & *CTL & \[
\begin{aligned}
& \text { [0 or } 1 / 0 \text { / 1/step] } \\
& 0 \text { : No } \\
& \text { 1: Yes }
\end{aligned}
\] \\
\hline 188 & Pick-up Roller: Inserter Tray1 & *CTL & \[
\begin{aligned}
& \text { [0 or } 1 / 0 / 1 / \text { step] } \\
& 0 \text { : No } \\
& \text { 1: Yes }
\end{aligned}
\] \\
\hline 189 & Feed Belt: Inserter Tray1 & *CTL & \[
\begin{aligned}
& {[0 \text { or } 1 / 0 / 1 / \text { step }]} \\
& 0 \text { : No } \\
& 1 \text { : Yes }
\end{aligned}
\] \\
\hline 190 & Separation Roller: Inserter Tray1 & *CTL & \[
\begin{aligned}
& \text { [0 or } 1 / 0 \text { / 1/step] } \\
& 0 \text { : No } \\
& \text { 1: Yes }
\end{aligned}
\] \\
\hline 193 & \#Inserter Tray2 Rollers & *CTL & \[
\begin{aligned}
& \text { [0 or } 1 / 0 / 1 / \text { step] }] \\
& 0 \text { : No } \\
& \text { 1: Yes }
\end{aligned}
\] \\
\hline 194 & Pick-up Roller: Inserter Tray2 & *CTL & \[
\begin{aligned}
& \text { [0 or } 1 / 0 / 1 / \text { step] } \\
& 0 \text { : No } \\
& \text { 1: Yes }
\end{aligned}
\] \\
\hline 195 & Feed Belt: Inserter Tray2 & *CTL & \[
\begin{aligned}
& \text { [0 or } 1 / 0 / 1 / \text { step }] \\
& 0 \text { : No } \\
& \text { 1: Yes }
\end{aligned}
\] \\
\hline 196 & \begin{tabular}{l}
Separation Roller: Inserter \\
Tray2
\end{tabular} & *CTL & \[
\begin{aligned}
& \text { [0 or } 1 / 0 / 1 / \text { step] }] \\
& 0 \text { : No } \\
& \text { 1: Yes }
\end{aligned}
\] \\
\hline 199 & \#Interposer & *CTL & \[
\begin{aligned}
& \text { [0 or } 1 / 0 \text { / 1/step] } \\
& 0 \text { : No } \\
& \text { 1: Yes }
\end{aligned}
\] \\
\hline 200 & Feed Belt: Interposer & *CTL & \[
\begin{aligned}
& \text { [0 or } 1 / 0 / 1 / \text { step }] \\
& 0 \text { : No } \\
& 1 \text { : Yes }
\end{aligned}
\] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 201 & Separation Roller: Interposer & *CTL & \[
\begin{aligned}
& \text { [0 or } 1 / 0 / 1 / \text { step] } \\
& 0 \text { : No } \\
& \text { 1: Yes }
\end{aligned}
\] \\
\hline 202 & Pick-up Roller: Interposer & *CTL & \[
\begin{aligned}
& \text { [0 or } 1 / 0 \text { / 1/step] } \\
& 0 \text { : No } \\
& \text { 1: Yes }
\end{aligned}
\] \\
\hline 205 & \#ADF & *CTL & \[
\begin{aligned}
& \text { [0 or } 1 / 0 \text { / 1/step] } \\
& 0 \text { : No } \\
& \text { 1: Yes }
\end{aligned}
\] \\
\hline 206 & Feed Belt: ADF & *CTL & \[
\begin{aligned}
& {[0 \text { or } 1 / 0 / 1 / \text { step }]} \\
& 0: \text { No } \\
& 1: \text { Yes }
\end{aligned}
\] \\
\hline 207 & Separation Roller: ADF & *CTL & \[
\begin{aligned}
& \text { [0 or } 1 / 0 / 1 / \text { step }] \\
& 0: \text { No } \\
& 1: \text { Yes }
\end{aligned}
\] \\
\hline 208 & Pick-up Roller: ADF & *CTL & \[
\begin{aligned}
& {[0 \text { or } 1 / 0 / 1 / \text { step }]} \\
& 0: \text { No } \\
& 1: \text { Yes }
\end{aligned}
\] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{7625} & \multicolumn{3}{|l|}{[Previous Unit Counter: Pages]} \\
\hline & - & & \\
\hline 002 & \# PCU:K & ENG & \multirow{3}{*}{[0 to 99999999 / 0 / 1page/step]} \\
\hline 003 & \# Dev Unit:K & ENG & \\
\hline 004 & Developer:K & ENG & \\
\hline 025 & \# PCU:C & ENG & \multirow{3}{*}{[0 to 99999999 / 0 / 1page/step]} \\
\hline 026 & \# Dev Unit:C & ENG & \\
\hline 027 & Developer:C & ENG & \\
\hline 048 & \# PCU:M & ENG & \multirow{3}{*}{[0 to 99999999 / 0 / 1page/step]} \\
\hline 049 & \# Dev Unit:M & ENG & \\
\hline 050 & Developer:M & ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 071 & \# PCU:Y & ENG & \multirow{3}{*}{[0 to 99999999 / 0 / 1page/step]} \\
\hline 072 & \# Dev Unit:Y & ENG & \\
\hline 073 & Developer:Y & ENG & \\
\hline 093 & \# ITB Unit & ENG & \multirow{6}{*}{[0 to 99999999 / 0 / 1page/step]} \\
\hline 102 & \# ITB Cleaning Unit & ENG & \\
\hline 109 & \# PTR Unit & ENG & \\
\hline 115 & \# Fusing Unit & ENG & \\
\hline 116 & Fusing Belt & ENG & \\
\hline 118 & Pressure Roller & ENG & \\
\hline 131 & Dust Filter: Ozone Duct & ENG & \multirow{2}{*}{[0 to 99999999 / 0 / 1page/step]} \\
\hline 132 & Dust Filter: Fan Duct & ENG & \\
\hline 142 & Waste Toner Bottle & ENG & [0 to 999999999 / 0 / 1mg/step] \\
\hline 206 & ADF Pick-up Roller & ENG & \multirow{3}{*}{[0 to 99999999 / 0 / 1page/step]} \\
\hline 207 & ADF Supply Belt & ENG & \\
\hline 208 & ADF Reverse Roller & ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{7626} & \multicolumn{3}{|l|}{[Previous Unit Counter2: Pages]} \\
\hline & \multicolumn{3}{|l|}{-} \\
\hline 002 & \# PCU:K & ENG & \multirow{3}{*}{[0 to 99999999 / 0 / 1page/step]} \\
\hline 003 & \# Dev Unit:K & ENG & \\
\hline 004 & Developer:K & ENG & \\
\hline 025 & \# PCU:C & ENG & \multirow{3}{*}{[0 to 99999999 / 0 / 1page/step]} \\
\hline 026 & \# Dev Unit:C & ENG & \\
\hline 027 & Developer:C & ENG & \\
\hline 048 & \# PCU:M & ENG & \multirow{2}{*}{[0 to 99999999 / 0 / 1page/step]} \\
\hline 049 & \# Dev Unit:M & ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 050 & Developer:M & ENG & \\
\hline 071 & \# PCU:Y & ENG & \multirow{3}{*}{[0 to 99999999 / 0 / 1page/step]} \\
\hline 072 & \# Dev Unit:Y & ENG & \\
\hline 073 & Developer:Y & ENG & \\
\hline 093 & \# ITB Unit & ENG & \multirow{6}{*}{[0 to 99999999 / 0 / 1page/step]} \\
\hline 102 & \# ITB Cleaning Unit & ENG & \\
\hline 109 & \# PTR Unit & ENG & \\
\hline 115 & \# Fusing Unit & ENG & \\
\hline 116 & Fusing Belt & ENG & \\
\hline 118 & Pressure Roller & ENG & \\
\hline 131 & Dust Filter: Ozone Duct & ENG & \multirow{2}{*}{[0 to 99999999 / 0 / 1page/step]} \\
\hline 132 & Dust Filter: Fan Duct & ENG & \\
\hline 142 & Waste Toner Bottle & ENG & [0 to 999999999 / 0 / 1mg/step] \\
\hline 206 & ADF Pick-up Roller & ENG & \multirow{3}{*}{[0 to 99999999 / 0 / 1page/step]} \\
\hline 207 & ADF Supply Belt & ENG & \\
\hline 208 & ADF Reverse Roller & ENG & \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{2}{*}{7628} & \multicolumn{3}{|l|}{ [PM Counter Reset] } \\
\cline { 2 - 4 } & \multicolumn{3}{|l|}{ Resets all counts for PM Counter. } \\
\hline 002 & SCS & ENG & {\([0\) or \(1 / 0 / 1 /\) step \(]\)} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 7801 & \multicolumn{3}{|l|}{[ROM No.]} \\
\hline \multirow{2}{*}{002} & Engine & CTL & [-/-/-] \\
\hline & \multicolumn{3}{|l|}{Engine ROM part number.} \\
\hline \multirow{2}{*}{005} & ADF & CTL & [-/-/-] \\
\hline & \multicolumn{3}{|l|}{ADF ROM part number.} \\
\hline \multirow{2}{*}{007} & Finisher & CTL & [-/-/-] \\
\hline & \multicolumn{3}{|l|}{Finisher ROM part number.} \\
\hline \multirow{2}{*}{009} & PTU & CTL & [-/-/-] \\
\hline & \multicolumn{3}{|l|}{Bank ROM part number.} \\
\hline \multirow{2}{*}{010} & LCT & CTL & [-/-/-] \\
\hline & \multicolumn{3}{|l|}{LCT ROM part number.} \\
\hline \multirow{2}{*}{019} & PTU2 & CTL & [-/-/-] \\
\hline & \multicolumn{3}{|l|}{Bank 2 ROM part number.} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{2}{*}{7801} & \multicolumn{3}{|l|}{ [ROM No.l Firmware Version \(]\)} \\
\cline { 2 - 4 } & Displays all version numbers, part numbers in machine. \\
\hline 255 & - & CTL & - \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{2}{*}{7803} & \multicolumn{3}{|l|}{ [PM Counter Display] } \\
\cline { 2 - 4 } & \multicolumn{3}{|l|}{} \\
\cline { 2 - 4 } & Displays the PM counter for each unit. \\
\hline 001 & Paper & \(*\) CTL & [0 to 999999 / 0 / 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{3}{*}{} & \multicolumn{2}{|l|}{ [PM Counter Reset] } \\
\cline { 2 - 4 } & \begin{tabular}{l} 
Clears the PM counter. \\
Press the Enter key after the machine asks "Execute?", which will store the PM \\
counter value in SP7-906 (PM Counter - Previous) and reset the value of the \\
current PM counter (SP7-803) to "0".
\end{tabular} \\
\hline 001 & Paper & CTL & \begin{tabular}{l}
{\([-/-/-]\)} \\
{\([\) [xecute] }
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline \multirow[b]{2}{*}{7807} & \multicolumn{2}{|l|}{[SC/Jam Counter Reset]} \\
\hline & \multicolumn{2}{|l|}{\begin{tabular}{l}
Resets the SC, paper, original, and total jam counters. When the program ends normally, the message "Completed" is displayed. \\
Note \(\qquad\) ) \\
- SP7-807-1 does not reset the following logs: SP7-507 (Display-Paper Jam History) and SP7-508 (Display-Original Jam History).
\end{tabular}} \\
\hline 001 & *CTL & \begin{tabular}{l}
[-/-/-] \\
[Execute]
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|c|l|}
\hline \multirow{3}{*}{7832} & \multicolumn{3}{|l|}{ [Self-Diagnose Display] } \\
\cline { 2 - 4 } & \begin{tabular}{l} 
Displays the result of the diagnostics. To scroll the return codes, press the \\
up-arrow key or the down-arrow key.
\end{tabular} \\
\hline 001 & - & CTL & \begin{tabular}{l}
{\([-/-/-]\)} \\
{\([\) Execute \(]\)}
\end{tabular} \\
\hline
\end{tabular}

\begin{tabular}{|r|l|l|l|}
\hline \multirow{2}{*}{7836} & \multicolumn{3}{|l|}{ [Total Memory Size] } \\
\cline { 2 - 4 } & \multicolumn{2}{|l|}{ Displays the memory capacity of the controller system. } \\
\hline 001 & Total Memory Size & CTL & {\([-/-/-]\)} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|c|l|}
\hline \multirow{3}{*}{7840} & \multicolumn{3}{|l|}{ [Service SP Entry Code Chg Hist] } \\
\cline { 2 - 4 } & \multicolumn{1}{l|}{\begin{tabular}{l} 
Records dates and times of resetting / changing "Service SP mode switch code \\
setting" for the recent 2 times. \\
(Decides whether the record is for setting changes or resets by branch number.)
\end{tabular}} \\
\hline 001 & Change Time :Latest & *CTL & {\([-/-/-]\)} \\
\hline 002 & Change Time : Last1 & *CTL & {\([-/-/-]\)} \\
\hline 101 & Initialize Time : Latest & *CTL & {\([-/-/-]\)} \\
\hline 102 & Initialize Time : Last1 & *CTL & {\([-/-/-]\)} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{2}{*}{7851} & \multicolumn{3}{|l|}{} \\
\cline { 2 - 4 } & [Unified Counter] & \\
\hline 001 & \begin{tabular}{l} 
SP8951-007 refers to this SP. \\
Copy Program Number \\
Registered
\end{tabular} & \(*\) CTL & {\([0\) to \(255 / 0 / 1\) /step] } \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 7852 & \multicolumn{3}{|l|}{[DF Glass Dust Check]} \\
\hline & Dust Detection Counter & *ENG & [0 to 65535 / 0 / 1/step] \\
\hline 001 & \multicolumn{3}{|l|}{Records the times detecting dust at all points of front side scan position. When there is a dust even when before starting the next job, consider as same dust and doesn't count. Counts when SP4-020-001: DF scan glass part dust detect front is ON.} \\
\hline \multirow[b]{2}{*}{002} & Dust Counter Clear Counter & *ENG & [0 to 65535 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{For checking front side scan position move effect. Counts the times that strips were avoided by detecting dust and move the sheet thrugh DF scan position. Counts when SP4-020-001: DF scan glass part dust detect front is ON.} \\
\hline
\end{tabular}
\begin{tabular}{|c|l|l|l|}
\hline & \begin{tabular}{l} 
Dust Detection Counter: \\
Back
\end{tabular} & *ENG & [0 to \(65535 / 0 / 1 /\) step \(]\) \\
\cline { 2 - 4 } 003 & \begin{tabular}{l} 
For Single Path simultaneous duplex models only. Records the times detecting \\
dust at all points of rear side scan position. When there is a same dust even \\
when before starting the next job, consider as same dust and doesn't count. * \\
Counts when SP4-020-011: DF
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{7853} & \multicolumn{3}{|l|}{[Replace Counter]} \\
\hline & - & & \\
\hline 002 & \# PCU:K & ENG & \multirow{3}{*}{[0 to 255 / 0 / 1/step]} \\
\hline 003 & \# Dev Unit:K & ENG & \\
\hline 004 & Developer:K & ENG & \\
\hline 025 & \# PCU:C & ENG & \multirow{3}{*}{[0 to 255 / 0 / 1/step]} \\
\hline 026 & \# Dev Unit:C & ENG & \\
\hline 027 & Developer:C & ENG & \\
\hline 048 & \# PCU:M & ENG & \multirow{3}{*}{[0 to 255 / 0 / 1/step]} \\
\hline 049 & \# Dev Unit:M & ENG & \\
\hline 050 & Developer:M & ENG & \\
\hline 071 & \# PCU:Y & ENG & \multirow{3}{*}{[0 to 255 / 0 / 1/step]} \\
\hline 072 & \# Dev Unit:Y & ENG & \\
\hline 073 & Developer:Y & ENG & \\
\hline 093 & \# ITB Unit & ENG & \multirow{6}{*}{[0 to 255 / 0 / 1/step]} \\
\hline 102 & \# ITB Cleaning Unit & ENG & \\
\hline 109 & \# PTR Unit & ENG & \\
\hline 115 & \# Fusing Unit & ENG & \\
\hline 116 & Fusing Belt & ENG & \\
\hline 118 & Pressure Roller & ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 131 & Dust Filter: Ozone Duct & ENG & \multirow{3}{*}{[0 to 255 / 0 / 1/step]} \\
\hline 132 & Dust Filter: Fan Duct & ENG & \\
\hline 142 & Waste Toner Bottle & ENG & \\
\hline 206 & ADF Pick-up Roller & ENG & \multirow{3}{*}{[0 to 255 / 0 / 1/step]} \\
\hline 207 & ADF Supply Belt & ENG & \\
\hline 208 & ADF Reverse Roller & ENG & \\
\hline 220 & Toner Sub Hopper:K & ENG & \multirow{4}{*}{[0 to 255 / 0 / 1/step]} \\
\hline 221 & Toner Sub Hopper: C & ENG & \\
\hline 222 & Toner Sub Hopper:M & ENG & \\
\hline 223 & Toner Sub Hopper:Y & ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline & \multicolumn{3}{|l|}{[Coverage Range]} \\
\hline 7855 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Sets the color coverage threshold. \\
Coverage rate \(=\) Coverage per page \(/\) A4 full coverage (dots) \(\times 100\) \\
There are three coverage counters: Color 1, Color 2, and Color 3 \\
- [A] \(5 \%\) (default) is adjustable with SP7855-001. \\
- [B] 20\% (default) is adjustable with SP7855-002. \\
Note \\
- The setting value \([\mathrm{B}]\) must be set larger than [A]. \\
The total numbers of printouts (BW printing plus color printing) for each coverage range are displayed with the following SPs. \\
- Color1 counter: SP8601-021 \\
- Color2 counter: SP8601-022 \\
- Color3 counter: SP8601-023
\end{tabular}} \\
\hline 001 & Coverage Range 1 & *CTL & [1 to \(200 / 5 / 1]\) \\
\hline 002 & Coverage Range 2 & *CTL & [1 to \(200 / 20 / 1]\) \\
\hline
\end{tabular}
\begin{tabular}{|r|l|c|l|}
\hline \multirow{2}{*}{7901} & \multicolumn{3}{|l|}{ [Assert Info.] } \\
\cline { 2 - 4 } & \begin{tabular}{l} 
Records the location where a problem is detected in the program. The data \\
stored in this SP is used for problem analysis.
\end{tabular} \\
\hline 001 & File Name & *CTL & {\([-/-/-]\)} \\
\hline 002 & Number of Lines & *CTL & {\([-/-/-]\)} \\
\hline 003 & Location & *CTL & {\([-/-/-]\)} \\
\hline
\end{tabular}
\begin{tabular}{|r|c|l|l|}
\hline \multirow{3}{*}{7903} & \multicolumn{4}{|l|}{ [Internal Processing/Factor Setting for Key/Card Counter] } \\
\cline { 2 - 4 } & - & CTL & {\([0\) to \(1000 /-/-/\) step \(]\)} \\
\hline\(* * *\) & &
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{7906} & \multicolumn{3}{|l|}{[Previous Unit Counter:Distance]} \\
\hline & - & & \\
\hline 002 & \# PCU:K & ENG & \multirow{4}{*}{[0 to 4294967295 / 0 / 1mm/step]} \\
\hline 003 & \# Dev Unit:K & ENG & \\
\hline 004 & Developer:K & ENG & \\
\hline 011 & Lubricant Bar:K & ENG & \\
\hline 025 & \# PCU:C & ENG & \multirow{3}{*}{[0 to 4294967295 / 0 / 1mm/step]} \\
\hline 026 & \# Dev Unit:C & ENG & \\
\hline 027 & Developer: C & ENG & \\
\hline 048 & \# PCU:M & ENG & \multirow{3}{*}{[0 to 4294967295 / 0 / 1mm/step]} \\
\hline 049 & \# Dev Unit:M & ENG & \\
\hline 050 & Developer: M & ENG & \\
\hline 071 & \# PCU:Y & ENG & \multirow{3}{*}{[0 to 4294967295 / 0 / 1mm/step]} \\
\hline 072 & \# Dev Unit:Y & ENG & \\
\hline 073 & Developer: Y & ENG & \\
\hline 093 & \# ITB Unit & ENG & \multirow{6}{*}{[0 to 4294967295 / 0 / 1mm/step]} \\
\hline 102 & \# ITB Cleaning Unit & ENG & \\
\hline 109 & \# PTR Unit & ENG & \\
\hline 115 & \# Fusing Unit & ENG & \\
\hline 116 & Fusing Belt & ENG & \\
\hline 118 & Pressure Roller & ENG & \\
\hline 220 & Toner Sub Hopper:K & ENG & \multirow{4}{*}{[0 to 999999999 / 0 / 1/step]} \\
\hline 221 & Toner Sub Hopper: C & ENG & \\
\hline 222 & Toner Sub Hopper:M & ENG & \\
\hline 223 & Toner Sub Hopper:Y & ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 230 & Low Speed: \# PCU:K & ENG & \multirow{4}{*}{[0 to 4294967295 / 0 / 1mm/step]} \\
\hline 231 & Low Speed: \# PCU:C & ENG & \\
\hline 232 & Low Speed: \# PCU:M & ENG & \\
\hline 233 & Low Speed: \# PCU:Y & ENG & \\
\hline 234 & Middle Speed: \# PCU:K & ENG & \multirow{4}{*}{[0 to 4294967295 / 0 / 1mm/step]} \\
\hline 235 & Middle Speed: \# PCU:C & ENG & \\
\hline 236 & Middle Speed: \# PCU:M & ENG & \\
\hline 237 & Middle Speed: \# PCU:Y & ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{7907} & \multicolumn{3}{|l|}{[Previous Unit Cntr:Distance(\%)]} \\
\hline & \multicolumn{3}{|l|}{-} \\
\hline 002 & \# PCU:K & ENG & \multirow{4}{*}{[0 to 255 / 0 / 1\%/step]} \\
\hline 003 & \# Dev Unit:K & ENG & \\
\hline 004 & Developer:K & ENG & \\
\hline 011 & Lubricant Bar:K & ENG & \\
\hline 025 & \# PCU:C & ENG & \multirow{3}{*}{[0 to 255 / 0 / 1\%/step]} \\
\hline 026 & \# Dev Unit:C & ENG & \\
\hline 027 & Developer:C & ENG & \\
\hline 048 & \# PCU:M & ENG & \multirow{3}{*}{[0 to 255 / 0 / 1\%/step]} \\
\hline 049 & \# Dev Unit:M & ENG & \\
\hline 050 & Developer:M & ENG & \\
\hline 071 & \# PCU:Y & ENG & \multirow{3}{*}{[0 to 255 / 0 / 1\%/step]} \\
\hline 072 & \# Dev Unit:Y & ENG & \\
\hline 073 & Developer:Y & ENG & \\
\hline 093 & \# ITB Unit & ENG & \multirow{2}{*}{[0 to 255 / 0 / 1\%/step]} \\
\hline 102 & \# ITB Cleaning Unit & ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 109 & \# PTR Unit & ENG & \\
\hline 115 & \# Fusing Unit & ENG & \\
\hline 116 & Fusing Belt & ENG & \\
\hline 118 & Pressure Roller & ENG & \\
\hline 220 & Toner Sub Hopper:K & ENG & \multirow{4}{*}{[0 to 255 / 0 / 1\%/step]} \\
\hline 221 & Toner Sub Hopper:C & ENG & \\
\hline 222 & Toner Sub Hopper:M & ENG & \\
\hline 223 & Toner Sub Hopper:Y & ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{7908} & \multicolumn{3}{|l|}{[Previous Unit Counter:Pages(\%)]} \\
\hline & \multicolumn{3}{|l|}{-} \\
\hline 002 & \# PCU:K & ENG & \multirow{3}{*}{[0 to \(255 / 0\) / 1\%/step]} \\
\hline 003 & \# Dev Unit:K & ENG & \\
\hline 004 & Developer:K & ENG & \\
\hline 025 & \# PCU:C & ENG & \multirow{3}{*}{[ 0 to 255 / 0 / 1\%/step]} \\
\hline 026 & \# Dev Unit:C & ENG & \\
\hline 027 & Developer:C & ENG & \\
\hline 048 & \# PCU:M & ENG & \multirow{3}{*}{[ 0 to 255 / 0 / 1\%/step]} \\
\hline 049 & \# Dev Unit:M & ENG & \\
\hline 050 & Developer:M & ENG & \\
\hline 071 & \# PCU:Y & ENG & \multirow{3}{*}{[ 0 to 255 / 0 / 1\%/step]} \\
\hline 072 & \# Dev Unit:Y & ENG & \\
\hline 073 & Developer:Y & ENG & \\
\hline 093 & \# ITB Unit & ENG & \multirow{3}{*}{[0 to 255 / 0 / 1\%/step]} \\
\hline 102 & \# ITB Cleaning Unit & ENG & \\
\hline 109 & \# PTR Unit & ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 115 & \# Fusing Unit & ENG & \\
\hline 116 & Fusing Belt & ENG & \\
\hline 118 & Pressure Roller & ENG & \\
\hline 131 & Dust Filter: Ozone Duct & ENG & \multirow{3}{*}{[0 to 255 / 0 / 1\%/step]} \\
\hline 132 & Dust Filter: Fan Duct & ENG & \\
\hline 142 & Waste Toner Bottle & ENG & \\
\hline 206 & ADF Pick-up Roller & ENG & \multirow{3}{*}{[0 to 255 / 0 / 1\%/step]} \\
\hline 207 & ADF Supply Belt & ENG & \\
\hline 208 & ADF Reverse Roller & ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 7931 & \multicolumn{3}{|l|}{[Toner Bottle Bk]} \\
\hline \multirow{2}{*}{001} & Machine Serial ID & *ENG & [0 to 255 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Model code used with model code API.} \\
\hline 002 & Cartridge Ver & *ENG & [0 to 255 / 0 / 1/step] \\
\hline 003 & Brand ID & *ENG & [0 to 255 / 0 / 1/step] \\
\hline 004 & Area ID & *ENG & [0 to 255 / 0 / 1/step] \\
\hline \multirow{2}{*}{005} & Product ID & *ENG & [0 to 255 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Records identification information of supply amount information} \\
\hline 006 & Color ID & *ENG & [0 to 255 / 0 / 1/step] \\
\hline 007 & Maintenance ID & *ENG & [0 to 255 / 0 / 1/step] \\
\hline 008 & New Product Information & *ENG & [0 to 255 / 0 / 1/step] \\
\hline 009 & Recycle Counter & *ENG & [0 to 255 / 0 / 1/step] \\
\hline \multirow{2}{*}{010} & Date & *ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Use for the individual toner detect.} \\
\hline \multirow{2}{*}{011} & SerialNo. & *ENG & [ 0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Use for the individual toner detect.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{012} & Toner Remaining & *ENG & [0 to 100 / 100 / 1\%/step] \\
\hline & \multicolumn{3}{|l|}{Keeps data with \(1 \%\) step.} \\
\hline \multirow{2}{*}{013} & EDP Code & *ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{EDP code of toner.} \\
\hline \multirow{2}{*}{014} & End History & *ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Detect history or toner end, near end.} \\
\hline \multirow{2}{*}{015} & Refill Information & *ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Refill detect, IS ware detect information.} \\
\hline \multirow{2}{*}{016} & Attachment: Total Counter & *ENG & [0 to 99999999 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Writes main unit total counter value in binary data when toner installed.} \\
\hline \multirow[t]{2}{*}{017} & Attachment: Color Counter & *ENG & [0 to 99999999 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Writes main unit color counter value in binary data when toner installed.} \\
\hline \multirow[b]{2}{*}{018} & End: Total Counter & *ENG & [0 to 99999999 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Writes main unit total counter value in binary data when toner ended. Write also when near end.} \\
\hline \multirow[b]{2}{*}{019} & End: Color Counter & *ENG & [0 to 99999999 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Writes main unit color counter value in binary data when toner ended. Write also when near end.} \\
\hline \multirow{2}{*}{020} & Attachment Date & *ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Write year/month/day of toner installed.} \\
\hline \multirow{2}{*}{021} & End Date & *ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Write year/month/day of toner ended. Write also when near end.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 7932 & \multicolumn{3}{|l|}{[Toner Bottle M]} \\
\hline \multirow{2}{*}{001} & Machine Serial ID & *ENG & [0 to 255 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Model code used with model code API.} \\
\hline 002 & Cartridge Ver & *ENG & [0 to 255 / 0 / 1/step] \\
\hline 003 & Brand ID & *ENG & [0 to 255 / 0 / 1/step] \\
\hline 004 & Area ID & *ENG & [0 to 255 / 0 / 1/step] \\
\hline \multirow{2}{*}{005} & Product ID & *ENG & [0 to 255 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Records identification information of supply amount information.} \\
\hline 006 & Color ID & *ENG & [0 to 255 / 0 / 1/step] \\
\hline 007 & Maintenance ID & *ENG & [0 to 255 / 0 / 1/step] \\
\hline 008 & New Product Information & *ENG & [0 to 255 / 0 / 1/step] \\
\hline 009 & Recycle Counter & *ENG & [0 to 255 / 0 / 1/step] \\
\hline \multirow{2}{*}{010} & Date & *ENG & [ 0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Use for the individual toner detect.} \\
\hline \multirow{2}{*}{011} & SerialNo. & *ENG & [ 0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Use for the individual toner detect.} \\
\hline \multirow{2}{*}{012} & Toner Remaining & *ENG & [0 to \(100 / \mathbf{1 0 0} / 1 \% /\) step] \\
\hline & \multicolumn{3}{|l|}{Keeps data with 1\% step.} \\
\hline \multirow{2}{*}{013} & EDP Code & *ENG & [ 0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{EDP code of toner.} \\
\hline \multirow{2}{*}{014} & End History & *ENG & [ 0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Detect history or toner end, near end.} \\
\hline \multirow{2}{*}{015} & Refill Information & *ENG & [ 0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Refill detect, IS ware detect information.} \\
\hline 016 & Attachment: Total Counter & *ENG & [0 to 99999999 / 0 / 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline & \multicolumn{3}{|l|}{Writes main unit total counter value in binary data when toner installed.} \\
\hline \multirow[t]{2}{*}{017} & Attachment: Color Counter & *ENG & [0 to 99999999 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Writes main unit color counter value in binary data when toner installed.} \\
\hline \multirow[b]{2}{*}{018} & End: Total Counter & *ENG & [0 to 99999999 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Writes main unit total counter value in binary data when toner ended. Write also when near end.} \\
\hline \multirow[b]{2}{*}{019} & End: Color Counter & *ENG & [0 to 99999999 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Writes main unit color counter value in binary data when toner ended. Write also when near end.} \\
\hline \multirow{2}{*}{020} & Attachment Date & *ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Write year/month/day of toner installed.} \\
\hline \multirow{2}{*}{021} & End Date & *ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Write year/month/day of toner ended. Write also when near end.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 7933 & [Toner Bottle C] & & \\
\hline \multirow{2}{*}{001} & MachineSerialld & *ENG & [0 to 255 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Model code used with model code API.} \\
\hline 002 & Cartridge Ver & *ENG & [0 to 255 / 0 / 1/step] \\
\hline 003 & Brand ID & *ENG & [0 to 255 / 0 / 1/step] \\
\hline 004 & Area ID & *ENG & [0 to 255 / 0 / 1/step] \\
\hline \multirow{2}{*}{005} & Product ID & *ENG & [0 to 255 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Records identification information of supply amount information} \\
\hline 006 & Color ID & *ENG & [0 to 255 / 0 / 1/step] \\
\hline 007 & Maintenance ID & *ENG & [0 to 255 / 0 / 1/step] \\
\hline 008 & New Product Information & *ENG & [0 to 255 / 0 / 1/step] \\
\hline 009 & Recycle Counter & *ENG & [0 to 255 / 0 / 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{010} & Date & *ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Use for the individual toner detect.} \\
\hline \multirow{2}{*}{011} & SerialNo. & *ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Use for the individual toner detect.} \\
\hline \multirow{2}{*}{012} & Toner Remaining & *ENG & [0 to 100 / 100 / 1\%/step] \\
\hline & \multicolumn{3}{|l|}{Keeps data with 1\% step.} \\
\hline \multirow{2}{*}{013} & EDP Code & *ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{EDP code of toner.} \\
\hline \multirow{2}{*}{014} & End History & *ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Detect history or toner end, near end.} \\
\hline \multirow{2}{*}{015} & Refill Information & *ENG & [ 0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Refill detect, IS ware detect information.} \\
\hline \multirow{2}{*}{016} & Attachment: Total Counter & *ENG & [0 to 99999999 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Writes main unit total counter value in binary data when toner installed.} \\
\hline \multirow[t]{2}{*}{017} & Attachment: Color Counter & *ENG & [0 to 99999999 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Writes main unit color counter value in binary data when toner installed.} \\
\hline \multirow[b]{2}{*}{018} & End: Total Counter & *ENG & [0 to 99999999 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Writes main unit total counter value in binary data when toner ended. Write also when near end.} \\
\hline \multirow[b]{2}{*}{019} & End: Color Counter & *ENG & [0 to 99999999 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Writes main unit color counter value in binary data when toner ended. Write also when near end.} \\
\hline \multirow{2}{*}{020} & Attachment Date & *ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Write year/month/day of toner installed.} \\
\hline \multirow{2}{*}{021} & End Date & *ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Write year/month/day of toner ended. Write also when near end.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 7934 & \multicolumn{3}{|l|}{[Toner Bottle Y]} \\
\hline \multirow{2}{*}{001} & MachineSerialld & *ENG & [0 to 255 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Model code used with model code API.} \\
\hline 002 & Cartridge Ver & *ENG & [0 to 255 / 0 / 1/step] \\
\hline 003 & Brand ID & *ENG & [0 to 255 / 0 / 1/step] \\
\hline 004 & Area ID & *ENG & [0 to 255 / 0 / 1/step] \\
\hline \multirow{2}{*}{005} & Product ID & *ENG & [0 to 255 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Records identification information of supply amount information.} \\
\hline 006 & Color ID & *ENG & [0 to 255 / 0 / 1/step] \\
\hline 007 & Maintenance ID & *ENG & [0 to 255 / 0 / 1/step] \\
\hline 008 & New Product Information & *ENG & [0 to 255 / 0 / 1/step] \\
\hline 009 & Recycle Counter & *ENG & [0 to 255 / 0 / 1/step] \\
\hline \multirow{2}{*}{010} & Date & *ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Use for the individual toner detect.} \\
\hline \multirow{2}{*}{011} & SerialNo. & *ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Use for the individual toner detect.} \\
\hline \multirow{2}{*}{012} & Toner Remaining & *ENG & [0 to \(100 / 100 / 1 \% /\) step] \\
\hline & \multicolumn{3}{|l|}{Keeps data with \(1 \%\) step.} \\
\hline \multirow{2}{*}{013} & EDP Code & *ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{EDP code of toner.} \\
\hline \multirow{2}{*}{014} & End History & *ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Detect history or toner end, near end.} \\
\hline \multirow{2}{*}{015} & Refill Information & *ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Refill detect, IS ware detect information.} \\
\hline 016 & Attachment: Total Counter & *ENG & [0 to 99999999 / 0 / 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline & \multicolumn{3}{|l|}{Writes main unit total counter value in binary data when toner installed.} \\
\hline \multirow[t]{2}{*}{017} & Attachment: Color Counter & *ENG & [0 to 99999999 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Writes main unit color counter value in binary data when toner installed.} \\
\hline \multirow[b]{2}{*}{018} & End: Total Counter & *ENG & [0 to 99999999 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Writes main unit total counter value in binary data when toner ended. Write also when near end.} \\
\hline \multirow[b]{2}{*}{019} & End: Color Counter & *ENG & [0 to 99999999 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Writes main unit color counter value in binary data when toner ended. Write also when near end.} \\
\hline \multirow{2}{*}{020} & Attachment Date & *ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Write year/month/day of toner installed.} \\
\hline \multirow{2}{*}{021} & End Date & *ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Write year/month/day of toner ended. Write also when near end.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 7935 & \multicolumn{3}{|l|}{[Toner Bottle Log 1: Bk]} \\
\hline \multirow{2}{*}{001} & SerialNo. & ENG & [0 or \(1 / 0 / 1 /\) step] \\
\hline & \multicolumn{3}{|l|}{Display conventional ASCII 16 byte in 8byte BCD.} \\
\hline \multirow{2}{*}{002} & Attachment Date & ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Write year/month/day of toner installed.} \\
\hline \multirow{2}{*}{003} & Attachment: Total Counter & ENG & [0 to 99999999 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Writes main unit total counter value in binary data when toner installed.} \\
\hline \multirow{2}{*}{004} & Refill Information & *ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Refill detect, IS ware detect information.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 7935 & \multicolumn{3}{|l|}{[Toner Bottle Log 2: Bk]} \\
\hline \multirow{2}{*}{011} & SerialNo. & ENG & [ 0 or \(1 / 0 / 1 /\) step] \\
\hline & \multicolumn{3}{|l|}{Display conventional ASCII 16 byte in 8byte BCD.} \\
\hline \multirow{2}{*}{012} & Attachment Date & ENG & [ 0 or \(1 / 0 / 1 /\) step] \\
\hline & \multicolumn{3}{|l|}{Write year/month/day of toner installed.} \\
\hline \multirow{2}{*}{013} & Attachment: Total Counter & ENG & [0 to 99999999 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Writes main unit total counter value in binary data when toner installed.} \\
\hline \multirow{2}{*}{014} & Refill Information & *ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Refill detect, IS ware detect information.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 7935 & \multicolumn{3}{|l|}{[Toner Bottle Log 3: Bk]} \\
\hline \multirow{2}{*}{021} & SerialNo. & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Display conventional ASCII 16 byte in 8byte BCD.} \\
\hline \multirow{2}{*}{022} & Attachment Date & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Write year/month/day of toner installed.} \\
\hline \multirow{2}{*}{023} & Attachment: Total Counter & ENG & [0 to 99999999 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Writes main unit total counter value in binary data when toner installed.} \\
\hline \multirow{2}{*}{024} & Refill Information & *ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Refill detect, IS ware detect information.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 7935 & \multicolumn{3}{|l|}{[Toner Bottle Log 4: Bk]} \\
\hline \multirow{2}{*}{031} & SerialNo. & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Display conventional ASCII 16 byte in 8byte BCD.} \\
\hline \multirow{2}{*}{032} & Attachment Date & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Write year/month/day of toner installed.} \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|l|}
\hline \multirow{3}{*}{033} & Attachment: Total Counter & ENG & [0 to 99999999 / 0 / 1/step] \\
\cline { 2 - 4 } & \multicolumn{3}{|l|}{ Writes main unit total counter value in binary data when toner installed. } \\
\hline 034 & Refill Information & *ENG & {\([0\) or 1 / 0 / 1/step] } \\
\cline { 2 - 4 } & \multicolumn{3}{|l|}{ Refill detect, IS ware detect information. } \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 7935 & \multicolumn{3}{|l|}{[Toner Bottle Log 5: Bk]} \\
\hline \multirow{2}{*}{041} & SerialNo. & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Display conventional ASCII 16 byte in 8byte BCD.} \\
\hline \multirow{2}{*}{042} & Attachment Date & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Write year/month/day of toner installed.} \\
\hline \multirow{2}{*}{043} & Attachment: Total Counter & ENG & [0 to 99999999 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Writes main unit total counter value in binary data when toner installed} \\
\hline \multirow{2}{*}{044} & Refill Information & *ENG & [ 0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Refill detect, IS ware detect information.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 7936 & \multicolumn{3}{|l|}{[Toner Bottle Log 1: M]} \\
\hline \multirow{2}{*}{001} & SerialNo. & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Display conventional ASCII 16 byte in 8byte BCD.} \\
\hline \multirow{2}{*}{002} & Attachment Date & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Write year/month/day of toner installed.} \\
\hline \multirow{2}{*}{003} & Attachment: Total Counter & ENG & [0 to 99999999 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Writes main unit total counter value in binary data when toner installed.} \\
\hline \multirow{2}{*}{004} & Refill Information & *ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Refill detect, IS ware detect information.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 7936 & \multicolumn{3}{|l|}{[Toner Bottle Log 2: M]} \\
\hline \multirow{2}{*}{011} & SerialNo. & ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Display conventional ASCII 16 byte in 8byte BCD.} \\
\hline \multirow{2}{*}{012} & Attachment Date & ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Write year/month/day of toner installed.} \\
\hline \multirow{2}{*}{013} & Attachment: Total Counter & ENG & [0 to 99999999 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Writes main unit total counter value in binary data when toner installed.} \\
\hline \multirow{2}{*}{014} & Refill Information & *ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Refill detect, IS ware detect information.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 7936 & \multicolumn{3}{|l|}{[Toner Bottle Log 3: M]} \\
\hline \multirow{2}{*}{021} & SerialNo. & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Display conventional ASCII 16 byte in 8byte BCD.} \\
\hline \multirow{2}{*}{022} & Attachment Date & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Write year/month/day of toner installed.} \\
\hline \multirow{2}{*}{023} & Attachment: Total Counter & ENG & [0 to 99999999 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Writes main unit total counter value in binary data when toner installed.} \\
\hline \multirow{2}{*}{024} & Refill Information & *ENG & [ 0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Refill detect, IS ware detect information.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 7936 & \multicolumn{3}{|l|}{[Toner Bottle Log 4: M]} \\
\hline \multirow{2}{*}{031} & SerialNo. & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Display conventional ASCII 16 byte in 8byte BCD.} \\
\hline \multirow{2}{*}{032} & Attachment Date & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Write year/month/day of toner installed.} \\
\hline \multirow{2}{*}{033} & Attachment: Total Counter & ENG & [0 to 99999999 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Writes main unit total counter value in binary data when toner installed.} \\
\hline \multirow{2}{*}{034} & Refill Information & *ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Refill detect, IS ware detect information.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 7936 & \multicolumn{3}{|l|}{[Toner Bottle Log 5: M]} \\
\hline \multirow{2}{*}{041} & SerialNo. & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Display conventional ASCII 16 byte in 8byte BCD.} \\
\hline \multirow{2}{*}{042} & Attachment Date & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Write year/month/day of toner installed.} \\
\hline \multirow{2}{*}{043} & Attachment: Total Counter & ENG & [0 to 99999999 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Writes main unit total counter value in binary data when toner installed.} \\
\hline \multirow{2}{*}{044} & Refill Information & *ENG & [ 0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Refill detect, IS ware detect information.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 7937 & \multicolumn{3}{|l|}{[Toner Bottle Log 1: C]} \\
\hline \multirow{2}{*}{001} & SerialNo. & ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Display conventional ASCII 16 byte in 8byte BCD.} \\
\hline \multirow{2}{*}{002} & Attachment Date & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Write year/month/day of toner installed.} \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|l|}
\hline \multirow{2}{*}{003} & Attachment: Total Counter & ENG & {\([0\) to \(99999999 / 0 / 1 /\) step \(]\)} \\
\cline { 2 - 4 } & \multicolumn{2}{|l|}{ Writes main unit total counter value in binary data when toner installed. } \\
\hline \multirow{3}{*}{004} & Refill Information & *ENG & {\([0\) or \(1 / 0 / 1 /\) step \(]\)} \\
\cline { 2 - 4 } & \multicolumn{2}{|l|}{ Refill detect, IS ware detect information. } \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 7937 & \multicolumn{3}{|l|}{[Toner Bottle Log 2: C]} \\
\hline \multirow{2}{*}{011} & SerialNo. & ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Display conventional ASCII 16 byte in 8byte BCD.} \\
\hline \multirow{2}{*}{012} & Attachment Date & ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Write year/month/day of toner installed.} \\
\hline \multirow{2}{*}{013} & Attachment: Total Counter & ENG & [0 to 99999999 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Writes main unit total counter value in binary data when toner installed.} \\
\hline \multirow{2}{*}{014} & Refill Information & *ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Refill detect, IS ware detect information.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 7937 & \multicolumn{3}{|l|}{[Toner Bottle Log 3: C]} \\
\hline \multirow{2}{*}{021} & SerialNo. & ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Display conventional ASCII 16 byte in 8byte BCD.} \\
\hline \multirow{2}{*}{022} & Attachment Date & ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Write year/month/day of toner installed.} \\
\hline \multirow{2}{*}{023} & Attachment: Total Counter & ENG & [0 to 99999999 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Writes main unit total counter value in binary data when toner installed.} \\
\hline \multirow{2}{*}{024} & Refill Information & *ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Refill detect, IS ware detect information.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 7937 & \multicolumn{3}{|l|}{[Toner Bottle Log 4: C]} \\
\hline \multirow{2}{*}{031} & SerialNo. & ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Display conventional ASCII 16 byte in 8byte BCD.} \\
\hline \multirow{2}{*}{032} & Attachment Date & ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Write year/month/day of toner installed.} \\
\hline \multirow{2}{*}{033} & Attachment: Total Counter & ENG & [0 to 99999999 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Writes main unit total counter value in binary data when toner installed.} \\
\hline \multirow{2}{*}{034} & Refill Information & *ENG & [0 or \(1 / 0 / 1 /\) step] \\
\hline & \multicolumn{3}{|l|}{Refill detect, IS ware detect information.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 7937 & \multicolumn{3}{|l|}{[Toner Bottle Log 5: C]} \\
\hline \multirow{2}{*}{041} & SerialNo. & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Display conventional ASCII 16 byte in 8byte BCD.} \\
\hline \multirow{2}{*}{042} & Attachment Date & ENG & [ 0 or \(1 / 0 / 1 /\) step] \\
\hline & \multicolumn{3}{|l|}{Write year/month/day of toner installed.} \\
\hline \multirow{2}{*}{043} & Attachment: Total Counter & ENG & [0 to 99999999 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Writes main unit total counter value in binary data when toner installed.} \\
\hline \multirow{2}{*}{044} & Refill Information & *ENG & [ 0 or \(1 / 0 / 1 /\) step] \\
\hline & \multicolumn{3}{|l|}{Refill detect, IS ware detect information.} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline 7938 & \multicolumn{3}{|l|}{ [Toner Bottle Log 1: Y] } \\
\hline \multirow{3}{*}{001} & SerialNo. & ENG & {\([0\) or \(1 / 0 / 1 /\) step \(]\)} \\
\cline { 2 - 4 } & \multicolumn{2}{|l|}{} & Display conventional ASCII 16 byte in 8byte BCD. \\
\hline \multirow{3}{*}{002} & Attachment Date & ENG & {\([0\) or \(1 / 0 / 1 /\) step \(]\)} \\
\cline { 2 - 4 } & \multicolumn{3}{|l|}{ Write year/month/day of toner installed. } \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|l|}
\hline \multirow{2}{*}{003} & Attachment: Total Counter & ENG & {\([0\) to \(99999999 / 0 / 1 /\) step \(]\)} \\
\cline { 2 - 4 } 0 & \multicolumn{2}{|l|}{ Writes main unit total counter value in binary data when toner installed. } \\
\hline \multirow{3}{*}{004} & Refill Information & *ENG & {\([0\) or \(1 / 0 / 1 /\) step \(]\)} \\
\cline { 2 - 4 } & \multicolumn{2}{|l|}{ Refill detect, IS ware detect information. } \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 7938 & \multicolumn{3}{|l|}{[Toner Bottle Log 2: Y]} \\
\hline \multirow{2}{*}{011} & SerialNo. & ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Display conventional ASCII 16 byte in 8byte BCD.} \\
\hline \multirow{2}{*}{012} & Attachment Date & ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Write year/month/day of toner installed.} \\
\hline \multirow{2}{*}{013} & Attachment: Total Counter & ENG & [0 to 99999999 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Writes main unit total counter value in binary data when toner installed.} \\
\hline \multirow{2}{*}{014} & Refill Information & *ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Refill detect, IS ware detect information.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 7938 & \multicolumn{3}{|l|}{[Toner Bottle Log 3: Y]} \\
\hline \multirow{2}{*}{021} & SerialNo. & ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Display conventional ASCII 16 byte in 8byte BCD.} \\
\hline \multirow{2}{*}{022} & Attachment Date & ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Write year/month/day of toner installed.} \\
\hline \multirow{2}{*}{023} & Attachment: Total Counter & ENG & [0 to 99999999 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Writes main unit total counter value in binary data when toner installed.} \\
\hline \multirow{2}{*}{024} & Refill Information & *ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Refill detect, IS ware detect information.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 7938 & \multicolumn{3}{|l|}{[Toner Bottle Log 4: Y]} \\
\hline \multirow{2}{*}{031} & SerialNo. & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Display conventional ASCII 16 byte in 8byte BCD.} \\
\hline \multirow{2}{*}{032} & Attachment Date & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Write year/month/day of toner installed.} \\
\hline \multirow{2}{*}{033} & Attachment: Total Counter & ENG & [0 to 99999999 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Writes main unit total counter value in binary data when toner installed.} \\
\hline \multirow{2}{*}{034} & Refill Information & *ENG & [ 0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Refill detect, IS ware detect information.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 7938 & \multicolumn{3}{|l|}{[Toner Bottle Log 5: Y]} \\
\hline \multirow{2}{*}{041} & SerialNo. & ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Display conventional ASCII 16 byte in 8byte BCD.} \\
\hline \multirow{2}{*}{042} & Attachment Date & ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Write year/month/day of toner installed.} \\
\hline \multirow{2}{*}{043} & Attachment: Total Counter & ENG & [0 to 99999999 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Writes main unit total counter value in binary data when toner installed.} \\
\hline \multirow{2}{*}{044} & Refill Information & *ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Refill detect, IS ware detect information.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{7940} & \multicolumn{3}{|l|}{[PM Value Setting:Life Distance]} \\
\hline & - & & \\
\hline 002 & \# PCU:K & ENG & \multirow{3}{*}{[0 to 999999999 / 0 / 1mm/step]} \\
\hline 003 & \# Dev Unit:K & ENG & \\
\hline 004 & Developer:K & ENG & \\
\hline 011 & Lubricant Bar:K & ENG & [ 0 to 999999999 / \(201151581 / 2\)
\(1 \mathrm{~mm} /\) step] \\
\hline 025 & \# PCU:C & ENG & \multirow{3}{*}{[0 to 999999999 / 0 / 1mm/step]} \\
\hline 026 & \# Dev Unit:C & ENG & \\
\hline 027 & Developer:C & ENG & \\
\hline 048 & \# PCU:M & ENG & \multirow{3}{*}{[0 to 999999999 / 0 / 1mm/step]} \\
\hline 049 & \# Dev Unit:M & ENG & \\
\hline 050 & Developer:M & ENG & \\
\hline 071 & \# PCU:Y & ENG & \multirow{3}{*}{[0 to 999999999 / 0 / 1mm/step]} \\
\hline 072 & \# Dev Unit:Y & ENG & \\
\hline 073 & Developer:Y & ENG & \\
\hline 093 & \# ITB Unit & ENG & [0 to 999999999 / 287359403 / \(1 \mathrm{~mm} /\) step] \\
\hline 102 & \# ITB Cleaning Unit & ENG & [0 to 999999999 / 143679701 / \(1 \mathrm{~mm} /\) step] \\
\hline 109 & \# PTR Unit & ENG & [0 to 999999999 / 191572935 / \(1 \mathrm{~mm} /\) step] \\
\hline 115 & \# Fusing Unit & ENG & \multirow{3}{*}{[0 to 999999999 / \(291305000 /\)
\(1 \mathrm{~mm} /\) step]} \\
\hline 116 & Fusing Belt & ENG & \\
\hline 118 & Pressure Roller & ENG & \\
\hline 220 & Toner Sub Hopper:K & ENG & [0 to 999999999 / 3024000 / 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|r|l|c|l|}
\hline 221 & Toner Sub Hopper:C & ENG & {\([0\) to 999999999 / 3024000 / 1/step \(]\)} \\
\hline 222 & Toner Sub Hopper:M & ENG & {\([0\) to \(999999999 / 3132000 / 1 /\) step \(]\)} \\
\hline 223 & Toner Sub Hopper:Y & ENG & {\([0\) to 999999999 / 3024000 / 1/step \(]\)} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{7942} & \multicolumn{3}{|l|}{[PM Counter Display:Distance(\%)]} \\
\hline & \multicolumn{3}{|l|}{-} \\
\hline 002 & \# PCU:K & ENG & \multirow{4}{*}{[0 to 255 / 0 / 1\%/step]} \\
\hline 003 & \# Dev Unit:K & ENG & \\
\hline 004 & Developer:K & ENG & \\
\hline 011 & Lubricant Bar:K & ENG & \\
\hline 025 & \# PCU:C & ENG & \multirow{3}{*}{[0 to 255 / 0 / 1\%/step]} \\
\hline 026 & \# Dev Unit:C & ENG & \\
\hline 027 & Developer:C & ENG & \\
\hline 048 & \# PCU:M & ENG & \multirow{3}{*}{[0 to 255 / 0 / 1\%/step]} \\
\hline 049 & \# Dev Unit:M & ENG & \\
\hline 050 & Developer:M & ENG & \\
\hline 071 & \# PCU:Y & ENG & \multirow{3}{*}{[0 to 255 / 0 / 1\%/step]} \\
\hline 072 & \# Dev Unit:Y & ENG & \\
\hline 073 & Developer:Y & ENG & \\
\hline 093 & \# ITB Unit & ENG & \multirow{6}{*}{[0 to 255 / 0 / 1\%/step]} \\
\hline 102 & \# ITB Cleaning Unit & ENG & \\
\hline 109 & \# PTR Unit & ENG & \\
\hline 115 & \# Fusing Unit & ENG & \\
\hline 116 & Fusing Belt & ENG & \\
\hline 118 & Pressure Roller & ENG & \\
\hline 220 & Toner Sub Hopper:K & ENG & [0 to 255 / 0 / 1\%/step] \\
\hline
\end{tabular}
\begin{tabular}{|r|l|c|c|}
\hline 221 & Toner Sub Hopper:C & ENG & \\
\hline 222 & Toner Sub Hopper:M & \multirow{2}{*}{ ENG } & \\
\hline 223 & Toner Sub Hopper:Y & ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{7944} & \multicolumn{3}{|l|}{[PM Counter Display: Distance]} \\
\hline & - & & \\
\hline 002 & \# PCU:K & *ENG & \multirow{4}{*}{[0 to 4294967295 / 0 / 1mm/step]} \\
\hline 003 & \# Dev Unit:K & ENG & \\
\hline 004 & Developer:K & ENG & \\
\hline 011 & Lubricant Bar:K & ENG & \\
\hline 025 & \# PCU:C & *ENG & \multirow{3}{*}{[0 to 4294967295 / 0 / 1mm/step]} \\
\hline 026 & \# Dev Unit:C & ENG & \\
\hline 027 & Developer:C & ENG & \\
\hline 048 & \# PCU:M & *ENG & \multirow{3}{*}{[0 to 4294967295 / 0 / 1mm/step]} \\
\hline 049 & \# Dev Unit:M & ENG & \\
\hline 050 & Developer:M & ENG & \\
\hline 071 & \# PCU:Y & *ENG & \multirow{3}{*}{[0 to 4294967295 / 0 / 1mm/step]} \\
\hline 072 & \# Dev Unit:Y & ENG & \\
\hline 073 & Developer:Y & ENG & \\
\hline 093 & \# ITB Unit & ENG & \multirow{6}{*}{[ 0 to 4294967295 / 0 / 1mm/step]} \\
\hline 102 & \# ITB Cleaning Unit & ENG & \\
\hline 109 & \# PTR Unit & ENG & \\
\hline 115 & \# Fusing Unit & ENG & \\
\hline 116 & Fusing Belt & ENG & \\
\hline 118 & Pressure Roller & ENG & \\
\hline 220 & Toner Sub Hopper:K & ENG & [0 to 999999999 / 0 / 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 221 & Toner Sub Hopper:C & ENG & \\
\hline 222 & Toner Sub Hopper:M & ENG & \\
\hline 223 & Toner Sub Hopper:Y & ENG & \\
\hline 230 & Low Speed: \# PCU:K & ENG & \multirow{4}{*}{[0 to 4294967295 / 0 / 1mm/step]} \\
\hline 231 & Low Speed: \# PCU:C & ENG & \\
\hline 232 & Low Speed: \# PCU:M & ENG & \\
\hline 233 & Low Speed: \# PCU:Y & ENG & \\
\hline 234 & Middle Speed: \# PCU:K & ENG & \multirow{4}{*}{[0 to 4294967295 / 0 / 1mm/step]} \\
\hline 235 & Middle Speed: \# PCU:C & ENG & \\
\hline 236 & Middle Speed: \# PCU:M & ENG & \\
\hline 237 & Middle Speed: \# PCU:Y & ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{7950} & \multicolumn{3}{|l|}{[Unit Replacement Date]} \\
\hline & \multicolumn{3}{|l|}{-} \\
\hline 002 & \# PCU:K & *ENG & \multirow{4}{*}{[ 0 or 1 / 0 / 1/step]} \\
\hline 003 & \# Dev Unit:K & *ENG & \\
\hline 004 & Developer:K & *ENG & \\
\hline 011 & Lubricant Bar:K & *ENG & \\
\hline 025 & \# PCU:C & *ENG & \multirow{3}{*}{[0 or 1 / 0 / 1/step]} \\
\hline 026 & \# Dev Unit:C & *ENG & \\
\hline 027 & Developer:C & *ENG & \\
\hline 048 & \# PCU:M & *ENG & \multirow{3}{*}{[0 or 1 / 0 / 1/step]} \\
\hline 049 & \# Dev Unit:M & *ENG & \\
\hline 050 & Developer:M & *ENG & \\
\hline 071 & \# PCU:Y & *ENG & \multirow{3}{*}{[0 or 1 / 0 / 1/step]} \\
\hline 072 & \# Dev Unit:Y & *ENG & \\
\hline 073 & Developer:Y & *ENG & \\
\hline 093 & \# ITB Unit & *ENG & \multirow{6}{*}{[0 or 1 / 0 / 1/step]} \\
\hline 102 & \# ITB Cleaning Unit & *ENG & \\
\hline 109 & \# PTR Unit & *ENG & \\
\hline 115 & \# Fusing Unit & *ENG & \\
\hline 116 & Fusing Belt & *ENG & \\
\hline 118 & Pressure Roller & *ENG & \\
\hline 131 & Dust Filter: Ozone Duct & *ENG & \multirow{3}{*}{[0 or 1 / 0 / 1/step]} \\
\hline 132 & Dust Filter: Fan Duct & *ENG & \\
\hline 142 & Waste Toner Bottle & *ENG & \\
\hline 206 & ADF Pick-up Roller & *ENG & [ 0 or 1 / 0 / 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|l|c|l|}
\hline 207 & ADF Supply Belt & \multirow{2}{*}{ *ENG } & \\
\hline 208 & ADF Reverse Roller & \multirow{2}{*}{ *ENG } & \\
\hline 220 & Toner Sub Hopper:K & \multirow{2}{*}{ *ENG } & \\
\hline 221 & Toner Sub Hopper:C & \multirow{2}{*}{ *ENG } & \multirow{2}{*}{ [0 or \(1 / 0 / 1 /\) step] } \\
\hline 222 & Toner Sub Hopper:M & \multirow{2}{*}{ *ENG } & \\
\hline 223 & Toner Sub Hopper:Y & \multirow{2}{*}{ *ENG } & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{7951} & \multicolumn{3}{|l|}{[Remain Day Counter: Pages]} \\
\hline & - & & \\
\hline 002 & \# PCU:K & ENG & \multirow{4}{*}{[0 to 255 / 255 / 1day/step]} \\
\hline 003 & \# Dev Unit:K & ENG & \\
\hline 004 & Developer:K & ENG & \\
\hline 011 & Lubricant Bar:K & ENG & \\
\hline 025 & \# PCU:C & ENG & \multirow{3}{*}{[0 to 255 / 255 / 1day/step]} \\
\hline 026 & \# Dev Unit:C & ENG & \\
\hline 027 & Developer:C & ENG & \\
\hline 048 & \# PCU:M & ENG & \multirow{3}{*}{[0 to 255 / 255 / 1day/step]} \\
\hline 049 & \# Dev Unit:M & ENG & \\
\hline 050 & Developer:M & ENG & \\
\hline 071 & \# PCU:Y & ENG & \multirow{3}{*}{[0 to 255 / 255 / 1day/step]} \\
\hline 072 & \# Dev Unit:Y & ENG & \\
\hline 073 & Developer:Y & ENG & \\
\hline 093 & \# ITB Unit & ENG & \multirow{6}{*}{[0 to 255 / 255 / 1day/step]} \\
\hline 102 & \# ITB Cleaning Unit & ENG & \\
\hline 109 & \# PTR Unit & ENG & \\
\hline 115 & \# Fusing Unit & ENG & \\
\hline 116 & Fusing Belt & ENG & \\
\hline 118 & Pressure Roller & ENG & \\
\hline 131 & Dust Filter: Ozone Duct & ENG & \multirow{2}{*}{[0 to 255 / 255 / 1day/step]} \\
\hline 132 & Dust Filter: Fan Duct & ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|l|c|c|}
\hline 142 & Waste Toner Bottle & ENG & \\
\hline 206 & ADF Pick-up Roller & \multirow{2}{*}{ ENG } & \\
\hline 207 & ADF Supply Belt & ENG & \multirow{2}{*}{ [0 to 255 / 255 / 1day/step] } \\
\hline 208 & ADF Reverse Roller & ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{7952} & \multicolumn{3}{|l|}{[Remain Day Counter: Distance]} \\
\hline & - & & \\
\hline 002 & \# PCU:K & ENG & \multirow{4}{*}{[0 to 255 / 255 / 1day/step]} \\
\hline 003 & \# Dev Unit:K & ENG & \\
\hline 004 & Developer:K & ENG & \\
\hline 011 & Lubricant Bar:K & ENG & \\
\hline 025 & \# PCU:C & ENG & \multirow{3}{*}{[0 to 255 / 255 / 1day/step]} \\
\hline 026 & \# Dev Unit:C & ENG & \\
\hline 027 & Developer:C & ENG & \\
\hline 048 & \# PCU:M & ENG & \multirow{3}{*}{[0 to 255 / 255 / 1day/step]} \\
\hline 049 & \# Dev Unit:M & ENG & \\
\hline 050 & Developer:M & ENG & \\
\hline 071 & \# PCU:Y & ENG & \multirow{3}{*}{[0 to 255 / 255 / 1day/step]} \\
\hline 072 & \# Dev Unit:Y & ENG & \\
\hline 073 & Developer:Y & ENG & \\
\hline 093 & \# ITB Unit & ENG & \multirow{4}{*}{[0 to 255 / 255 / 1day/step]} \\
\hline 102 & \# ITB Cleaning Unit & ENG & \\
\hline 109 & \# PTR Unit & ENG & \\
\hline 115 & \# Fusing Unit & ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 116 & Fusing Belt & ENG & \\
\hline 118 & Pressure Roller & ENG & \\
\hline 220 & Toner Sub Hopper:K & ENG & \multirow{4}{*}{[0 to 255 / 255 / 1day/step]} \\
\hline 221 & Toner Sub Hopper:C & ENG & \\
\hline 222 & Toner Sub Hopper:M & ENG & \\
\hline 223 & Toner Sub Hopper:Y & ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{7953} & \multicolumn{3}{|l|}{[Operation Env. Log: PCU: K]} \\
\hline & \multicolumn{3}{|l|}{T: Temperature (C), H Relative humidity (\%). Displays PCU: K running distance in each temperature/humidity devision.} \\
\hline 001 & \(\mathrm{T}<=0\) & ENG & [0 to 999999999 / 0 / 1mm/step] \\
\hline 002 & \(0<T<=5: 0<=\mathrm{H}<30\) & ENG & \multirow{3}{*}{[0 to 999999999 / 0 / 1mm/step]} \\
\hline 003 & \(0<T<=5: 30<=H<70\) & ENG & \\
\hline 004 & \(0<T<=5: 70<=H<=100\) & ENG & \\
\hline 005 & \(5<\mathrm{T}<15: 0<=\mathrm{H}<30\) & ENG & \multirow{4}{*}{[0 to 999999999 / 0 / 1mm/step]} \\
\hline 006 & \(5<\mathrm{T}<15: 30<=\mathrm{H}<55\) & ENG & \\
\hline 007 & \(5<\mathrm{T}<15: 55<=\mathrm{H}<80\) & ENG & \\
\hline 008 & \(5<\mathrm{T}<15: 80<=\mathrm{H}<=100\) & ENG & \\
\hline 009 & \(15<=\) T<25:0<= \(\mathrm{H}<30\) & ENG & \multirow{4}{*}{[0 to 999999999 / 0 / 1mm/step]} \\
\hline 010 & \(15<=\) T<25:30<=H<55 & ENG & \\
\hline 011 & 15<=T<25:55<=H<80 & ENG & \\
\hline 012 & \(15<=\) T \(<25: 80<=H<=100\) & ENG & \\
\hline 013 & \(25<=\) T<30:0<=H<30 & ENG & \multirow{4}{*}{[0 to 999999999 / 0 / 1mm/step]} \\
\hline 014 & \(25<=\) T<30:30<= \(\mathrm{H}<55\) & ENG & \\
\hline 015 & \(25<=\) T<30:55<=H<80 & ENG & \\
\hline 016 & \(25<=\) T \(<30: 80<=H<=100\) & ENG & \\
\hline 017 & \(30<=\mathrm{T}: 0<=\mathrm{H}<30\) & ENG & \multirow{4}{*}{[0 to 999999999 / 0 / 1mm/step]} \\
\hline 018 & \(30<=\) T: \(30<=\mathrm{H}<55\) & ENG & \\
\hline 019 & \(30<=\) T: \(55<=\mathrm{H}<80\) & ENG & \\
\hline 020 & \(30<=\mathrm{T}: 80<=\mathrm{H}<=100\) & ENG & \\
\hline 021 & \(35<=\mathrm{T}: 0<=\mathrm{H}<=100\) & ENG & [0 to 999999999 / 0 / 1mm/step] \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|}
\hline \multirow{2}{*}{7953} & \multicolumn{3}{l|}{ [Operation Env. Log Clear] } \\
\cline { 2 - 4 } & \multicolumn{4}{|l|}{ Clear Operating environment log. } \\
\hline 100 & - & ENG \\
{\([0\) or \(1 / 0 / 1 /\) step \(]\)} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{7954} & \multicolumn{3}{|l|}{[PM Counter Display: Pages (\%)]} \\
\hline & - & & \\
\hline 002 & \# PCU:K & ENG & \multirow{4}{*}{[0 to 255 / 0 / 1\%/step]} \\
\hline 003 & \# Dev Unit:K & ENG & \\
\hline 004 & Developer:K & ENG & \\
\hline 011 & Lubricant Bar:K & ENG & \\
\hline 025 & \# PCU:C & ENG & \multirow{3}{*}{[0 to 255 / 0 / 1\%/step]} \\
\hline 026 & \# Dev Unit:C & ENG & \\
\hline 027 & Developer:C & ENG & \\
\hline 048 & \# PCU:M & ENG & \multirow{3}{*}{[0 to 255 / 0 / 1\%/step]} \\
\hline 049 & \# Dev Unit:M & ENG & \\
\hline 050 & Developer:M & ENG & \\
\hline 071 & \# PCU:Y & ENG & \multirow{3}{*}{[0 to \(255 / 0\) / 1\%/step]} \\
\hline 072 & \# Dev Unit:Y & ENG & \\
\hline 073 & Developer:Y & ENG & \\
\hline 093 & \# ITB Unit & ENG & \multirow{6}{*}{[0 to 255 / 0 / 1\%/step]} \\
\hline 102 & \# ITB Cleaning Unit & ENG & \\
\hline 109 & \# PTR Unit & ENG & \\
\hline 115 & \# Fusing Unit & ENG & \\
\hline 116 & Fusing Belt & ENG & \\
\hline 118 & Pressure Roller & ENG & \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline 131 & Dust Filter: Ozone Duct & ENG & \\
\cline { 1 - 2 } 132 & Dust Filter: Fan Duct & ENG & \multirow{2}{*}{ [0 to \(255 / 0 / 1 \% /\) step \(]\)} \\
\hline 142 & Waste Toner Bottle & ENG & \\
\hline 206 & ADF Pick-up Roller & ENG & \\
\hline 207 & ADF Supply Belt & ENG & \multirow{2}{*}{ [0 to \(255 / 0 / 1 \% /\) step \(]\)} \\
\hline 208 & ADF Reverse Roller & ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{7955} & \multicolumn{3}{|l|}{[Estimated Remain Pages]} \\
\hline & - & & \\
\hline 002 & \# PCU:K & ENG & \multirow{3}{*}{[0 to 9999999 / 0 / 1page/step]} \\
\hline 003 & \# Dev Unit:K & ENG & \\
\hline 004 & Developer:K & ENG & \\
\hline 025 & \# PCU:C & ENG & \multirow{3}{*}{[0 to 9999999 / 0 / 1page/step]} \\
\hline 026 & \# Dev Unit:C & ENG & \\
\hline 027 & Developer:C & ENG & \\
\hline 048 & \# PCU:M & ENG & \multirow{3}{*}{[0 to 9999999 / 0 / 1page/step]} \\
\hline 049 & \# Dev Unit:M & ENG & \\
\hline 050 & Developer:M & ENG & \\
\hline 071 & \# PCU:Y & ENG & \multirow{3}{*}{[0 to 9999999 / 0 / 1page/step]} \\
\hline 072 & \# Dev Unit:Y & ENG & \\
\hline 073 & Developer:Y & ENG & \\
\hline 093 & \# ITB Unit & ENG & \multirow{2}{*}{[0 to 9999999 / 0 / 1page/step]} \\
\hline 102 & \# ITB Cleaning Unit & ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|l|c|c|}
\hline 109 & \# PTR Unit & ENG & \\
\hline 115 & \# Fusing Unit & ENG \\
\hline 116 & Fusing Belt & \multirow{2}{*}{ ENG } \\
\hline 118 & Pressure Roller & ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{7956} & \multicolumn{3}{|l|}{[Estimated Remain Days]} \\
\hline & - & & \\
\hline 002 & \# PCU:K & ENG & \multirow{3}{*}{[0 to 255 / 255 / 1day/step]} \\
\hline 003 & \# Dev Unit:K & ENG & \\
\hline 004 & Developer:K & ENG & \\
\hline 025 & \# PCU:C & ENG & \multirow{3}{*}{[0 to 255 / 255 / 1day/step]} \\
\hline 026 & \# Dev Unit:C & ENG & \\
\hline 027 & Developer:C & ENG & \\
\hline 048 & \# PCU:M & ENG & \multirow{3}{*}{[0 to 255 / 255 / 1day/step]} \\
\hline 049 & \# Dev Unit:M & ENG & \\
\hline 050 & Developer:M & ENG & \\
\hline 071 & \# PCU:Y & ENG & \multirow{3}{*}{[0 to 255 / 255 / 1day/step]} \\
\hline 072 & \# Dev Unit:Y & ENG & \\
\hline 073 & Developer:Y & ENG & \\
\hline 093 & \# ITB Unit & ENG & \multirow{6}{*}{[0 to 255 / 255 / 1day/step]} \\
\hline 102 & \# ITB Cleaning Unit & ENG & \\
\hline 109 & \# PTR Unit & ENG & \\
\hline 115 & \# Fusing Unit & ENG & \\
\hline 116 & Fusing Belt & ENG & \\
\hline 118 & Pressure Roller & ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 131 & Dust Filter: Ozone Duct & ENG & \multirow{3}{*}{[0 to 255 / 255 / 1day/step]} \\
\hline 132 & Dust Filter: Fan Duct & ENG & \\
\hline 142 & Waste Toner Bottle & ENG & \\
\hline 206 & ADF Pick-up Roller & ENG & \multirow{3}{*}{[0 to 255 / 255 / 1day/step]} \\
\hline 207 & ADF Supply Belt & ENG & \\
\hline 208 & ADF Reverse Roller & ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{7957} & \multicolumn{3}{|l|}{[Monthly Average Pages]} \\
\hline & \multicolumn{3}{|l|}{-} \\
\hline 002 & \# PCU:K & ENG & \multirow{3}{*}{[0 to 9999999 / 0 / 1page/step]} \\
\hline 003 & \# Dev Unit:K & ENG & \\
\hline 004 & Developer:K & ENG & \\
\hline 025 & \# PCU:C & ENG & \multirow{3}{*}{[0 to 9999999 / 0 / 1page/step]} \\
\hline 026 & \# Dev Unit:C & ENG & \\
\hline 027 & Developer: C & ENG & \\
\hline 048 & \# PCU:M & ENG & \multirow{3}{*}{[0 to 9999999 / 0 / 1page/step]} \\
\hline 049 & \# Dev Unit:M & ENG & \\
\hline 050 & Developer:M & ENG & \\
\hline 071 & \# PCU:Y & ENG & \multirow{3}{*}{[0 to 9999999 / 0 / 1page/step]} \\
\hline 072 & \# Dev Unit:Y & ENG & \\
\hline 073 & Developer:Y & ENG & \\
\hline 093 & \# ITB Unit & ENG & \multirow{5}{*}{[0 to 9999999 / 0 / 1page/step]} \\
\hline 102 & \# ITB Cleaning Unit & ENG & \\
\hline 109 & \# PTR Unit & ENG & \\
\hline 115 & \# Fusing Unit & ENG & \\
\hline 116 & Fusing Belt & ENG & \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline 118 & Pressure Roller & ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{7958} & \multicolumn{3}{|l|}{[PM Value Setting:DaysThreshold]} \\
\hline & \multicolumn{3}{|l|}{-} \\
\hline 002 & \# PCU:K & ENG & \multirow{4}{*}{[1 to \(30 / 15\) / 1day/step]} \\
\hline 003 & \# Dev Unit:K & ENG & \\
\hline 004 & Developer:K & ENG & \\
\hline 011 & Lubricant Bar:K & ENG & \\
\hline 025 & \# PCU:C & ENG & \multirow{3}{*}{[1 to \(30 / 15 / 1\) day \(/\) step]} \\
\hline 026 & \# Dev Unit:C & ENG & \\
\hline 027 & Developer:C & ENG & \\
\hline 048 & \# PCU:M & ENG & \multirow{3}{*}{[1 to \(30 / 15\) / 1day/step]} \\
\hline 049 & \# Dev Unit:M & ENG & \\
\hline 050 & Developer:M & ENG & \\
\hline 071 & \# PCU:Y & ENG & \multirow{3}{*}{[1 to \(30 / 15\) / 1day/step]} \\
\hline 072 & \# Dev Unit:Y & ENG & \\
\hline 073 & Developer:Y & ENG & \\
\hline 093 & \# ITB Unit & ENG & \multirow{6}{*}{[1 to \(30 / 15\) / 1day/step]} \\
\hline 102 & \# ITB Cleaning Unit & ENG & \\
\hline 109 & \# PTR Unit & ENG & \\
\hline 115 & \# Fusing Unit & ENG & \\
\hline 116 & Fusing Belt & ENG & \\
\hline 118 & Pressure Roller & ENG & \\
\hline 131 & Dust Filter: Ozone Duct & ENG & \multirow{3}{*}{[1 to 30 / 15 / 1day/step]} \\
\hline 132 & Dust Filter: Fan Duct & ENG & \\
\hline 142 & Waste Toner Bottle & ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 206 & ADF Pick-up Roller & ENG & \multirow{3}{*}{[1 to \(30 / 15\) / 1day/step]} \\
\hline 207 & ADF Supply Belt & ENG & \\
\hline 208 & ADF Reverse Roller & ENG & \\
\hline 220 & Toner Sub Hopper:K & ENG & \multirow{4}{*}{[1 to \(30 / 15\) / 1day/step]} \\
\hline 221 & Toner Sub Hopper: C & ENG & \\
\hline 222 & Toner Sub Hopper:M & ENG & \\
\hline 223 & Toner Sub Hopper:Y & ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 7959 & \multicolumn{3}{|l|}{[Fusing: Stop]} \\
\hline \multirow{2}{*}{001} & Near End: Page & ENG & [0 to 99999999 / 415000 / 1page/step] \\
\hline & \multicolumn{3}{|l|}{Displays life deterioration near end threshold of fusing R.} \\
\hline \multirow{2}{*}{002} & End: Page & ENG & [0 to 99999999 / 430000 / 1page/step] \\
\hline & \multicolumn{3}{|l|}{Displays life deterioration end threshold of fusing belt.} \\
\hline \multirow[t]{2}{*}{003} & Near End: Rotation & ENG & [0 to 999999999 / 302229000 / 1mm/step] \\
\hline & \multicolumn{3}{|l|}{Displays life deterioration near end running distance of fusing R .} \\
\hline \multirow[t]{2}{*}{004} & End: Rotation & ENG & [0 to 999999999 / 313153000 / \(1 \mathrm{~mm} /\) step] \\
\hline & \multicolumn{3}{|l|}{Displays life deterioration end running distance of fusing R.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{7960} & \multicolumn{3}{|l|}{[Estimated Usage Rate]} \\
\hline & \multicolumn{3}{|l|}{-} \\
\hline 002 & \# PCU:K & ENG & \multirow{4}{*}{[0 to 255 / 0 / 1\%/step]} \\
\hline 003 & \# Dev Unit:K & ENG & \\
\hline 004 & Developer:K & ENG & \\
\hline 011 & Lubricant Bar:K & ENG & \\
\hline 025 & \# PCU:C & ENG & [0 to \(255 / 0 / 1 \% /\) step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 026 & \# Dev Unit:C & ENG & \\
\hline 027 & Developer:C & ENG & \\
\hline 048 & \# PCU:M & ENG & \multirow{3}{*}{[0 to 255 / 0 / 1\%/step]} \\
\hline 049 & \# Dev Unit:M & ENG & \\
\hline 050 & Developer:M & ENG & \\
\hline 071 & \# PCU:Y & ENG & \multirow{3}{*}{[0 to 255 / 0 / 1\%/step]} \\
\hline 072 & \# Dev Unit:Y & ENG & \\
\hline 073 & Developer:Y & ENG & \\
\hline 093 & \# ITB Unit & ENG & \multirow{6}{*}{[0 to 255 / 0 / 1\%/step]} \\
\hline 102 & \# ITB Cleaning Unit & ENG & \\
\hline 109 & \# PTR Unit & ENG & \\
\hline 115 & \# Fusing Unit & ENG & \\
\hline 116 & Fusing Belt & ENG & \\
\hline 118 & Pressure Roller & ENG & \\
\hline 131 & Dust Filter: Ozone Duct & ENG & \multirow{3}{*}{[0 to \(255 / 0\) / 1\%/step]} \\
\hline 132 & Dust Filter: Fan Duct & ENG & \\
\hline 142 & Waste Toner Bottle & ENG & \\
\hline 206 & ADF Pick-up Roller & ENG & \multirow{3}{*}{[0 to \(255 / 0\) / 1\%/step]} \\
\hline 207 & ADF Supply Belt & ENG & \\
\hline 208 & ADF Reverse Roller & ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 7970 & \multicolumn{3}{|l|}{[Cumulative Counter]} \\
\hline \multirow[t]{2}{*}{001} & Rotation:Bk Opc Drive Unit & *ENG & [0 to 9999999 / 0 / 1m/step] \\
\hline & \multicolumn{3}{|l|}{Displays running distance count since first use.} \\
\hline \multirow[t]{2}{*}{002} & Rotation:Color Opc Drive Unit & *ENG & [0 to 9999999 / 0 / 1m/step] \\
\hline & \multicolumn{3}{|l|}{Displays running distance count since first use.} \\
\hline \multirow{2}{*}{008} & Rotation:Fusing Drive Unit & *ENG & [0 to 9999999 / 0 / 1m/step] \\
\hline & \multicolumn{3}{|l|}{Displays running distance count since first use.} \\
\hline \multirow[t]{2}{*}{010} & Count:Paper Transfer On-Off Drive Unit & *ENG & [0 to 9999999 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Displays operating time count since first use.} \\
\hline \multirow{2}{*}{011} & Page:Feed Drive Unit & *ENG & [0 to 9999999 / 0 / 1page/step] \\
\hline & \multicolumn{3}{|l|}{Displays sheets count since first use.} \\
\hline \multirow[t]{2}{*}{012} & \begin{tabular}{l}
Page:Registration Drive \\
Unit
\end{tabular} & *ENG & [0 to 9999999 / 0 / 1page/step] \\
\hline & \multicolumn{3}{|l|}{Displays sheets count since first use.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 7972 & \multicolumn{3}{|l|}{[Yield Counter]} \\
\hline \multirow{2}{*}{001} & Bk Opc Drive Unit & *ENG & [0 to 200 / 0 / 1\%/step] \\
\hline & \multicolumn{3}{|l|}{Displays reach level till life running distance threshold.} \\
\hline \multirow{2}{*}{002} & Color Opc Drive Unit & *ENG & [0 to 200 / 0 / 1\%/step] \\
\hline & \multicolumn{3}{|l|}{Displays reach level till life running distance threshold.} \\
\hline \multirow{2}{*}{008} & Fusing Drive Unit & *ENG & [0 to 200 / 0 / 1\%/step] \\
\hline & \multicolumn{3}{|l|}{Displays reach level till life running distance threshold.} \\
\hline \multirow[t]{2}{*}{010} & Paper Transfer On-Off Drive Unit & *ENG & [0 to 200 / 0 / 1\%/step] \\
\hline & \multicolumn{3}{|l|}{Displays reach level till life operating times threshold.} \\
\hline \multirow{2}{*}{011} & Feed Drive Unit & *ENG & [0 to 200 / 0 / 1\%/step] \\
\hline & \multicolumn{3}{|l|}{Displays reach level till life sheets threshold.} \\
\hline \multirow{2}{*}{012} & Registration Drive Unit & *ENG & [0 to 200 / 0 / 1\%/step] \\
\hline & \multicolumn{3}{|l|}{Displays reach level till life sheets threshold.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 7974 & \multicolumn{3}{|l|}{[Yield Setting]} \\
\hline \multirow{2}{*}{001} & Bk Opc Drive Unit & *ENG & [0 to 9999999 / 548197 / 1m/step] \\
\hline & \multicolumn{3}{|l|}{Displays life running distance threshold of unit.} \\
\hline \multirow{2}{*}{002} & Color Opc Drive Unit & *ENG & [0 to 9999999 / 601098 / 1m/step] \\
\hline & \multicolumn{3}{|l|}{Displays life running distance threshold of unit.} \\
\hline \multirow{2}{*}{008} & Fusing Drive Unit & *ENG & [0 to 9999999 / 913662 / 1m/step] \\
\hline & \multicolumn{3}{|l|}{Displays life running distance threshold of unit.} \\
\hline \multirow[t]{2}{*}{010} & Paper Transfer On-Off Drive Unit & *ENG & [0 to 9999999 / 1650000 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Displays life operating times threshold of unit.} \\
\hline \multirow{2}{*}{011} & Feed Drive Unit & *ENG & [0 to 9999999 / 3300000 / 1page/step] \\
\hline & \multicolumn{3}{|l|}{Displays life sheets threshold of unit.} \\
\hline \multirow{2}{*}{012} & Registration Drive Unit & *ENG & [0 to 9999999 / 3300000 / 1page/step] \\
\hline & \multicolumn{3}{|l|}{Displays life sheets threshold of unit.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{7976} & \multicolumn{3}{|l|}{[Guaranteed Parameter]} \\
\hline & \multicolumn{3}{|l|}{Sets life warranty value of unit.} \\
\hline 001 & Rotation:Bk Opc Drive Unit & *ENG & [0 to 9999999 / 548197 / 1m/step] \\
\hline 002 & Rotation:Color Opc Drive Unit & *ENG & [0 to 9999999 / 601098 / 1m/step] \\
\hline 008 & Rotation:Fusing Drive Unit & *ENG & [0 to 9999999 / 913662 / 1m/step] \\
\hline 010 & Count:Paper Transfer On-Off Drive Unit & *ENG & [0 to 9999999 / 1500000 / 1/step] \\
\hline 011 & Page:Feed Drive Unit & *ENG & [0 to 9999999 / 3000000 / 1page/step] \\
\hline 012 & Page:Registration Drive Unit & *ENG & [0 to 9999999 / 3000000 / 1page/step] \\
\hline
\end{tabular}

\subsection*{2.10 MAIN SP TABLES-8}

\subsection*{2.10.1 SP8-XXX (DATA LOG 2)}

Many of these counters are provided for features that are currently not available, such as sending color faxes, and so on. However, here are some Group 8 codes that when used in combination with others, can provide useful information.
\begin{tabular}{|l|l|}
\hline \multicolumn{1}{|c|}{ SP Numbers } & \multicolumn{1}{c|}{ What They Do } \\
\hline SP8211 to SP8216 & The number of pages scanned to the document server. \\
\hline SP8401 to SP8406 & The number of pages printed from the document server \\
\hline SP8691 to SP8696 & The number of pages sent from the document server \\
\hline
\end{tabular}

Specifically, the following questions can be answered:
- How is the document server actually being used?
- What application is using the document server most frequently?
- What data in the document server is being reused?

Most of the SPs in this group are prefixed with a letter that indicates the mode of operation (the mode of operation is referred to as an "application"). Before reading the Group 8 Service Table, make sure that you understand what these prefixes mean.
\begin{tabular}{|l|l|l|}
\hline Prefixes & \multicolumn{2}{|c|}{ What it means } \\
\hline T: & Total: (Grand Total). & \begin{tabular}{l} 
Grand total of the items counted for all applications \\
(C, F, P, etc.).
\end{tabular} \\
\hline C: & Copy application. & \\
\cline { 1 - 2 } F: & Fax application. & \begin{tabular}{l} 
Totals (pages, jobs, etc.) executed for each \\
application when the job was not stored on the \\
document server.
\end{tabular} \\
\hline P: & Print application. & Scan application.
\end{tabular}
\begin{tabular}{|l|l|l|}
\hline L: & & \begin{tabular}{l} 
Totals (jobs, pages, etc.) for the document server. \\
The L: counters work differently case by case. \\
Sometimes, they count jobs/pages stored on the \\
document server; this can be in document server \\
mode (from the document server window), or from \\
another mode, such as from a printer driver or by \\
pressing the Store File button in the Copy mode \\
window. Sometimes, they include occasions when \\
(document server) \\
the user uses a file that is already on the document \\
server. Each counter will be discussed case by \\
case.
\end{tabular} \\
\hline O: & \begin{tabular}{l} 
Other applications \\
(external network \\
applications, for \\
example)
\end{tabular} & \begin{tabular}{l} 
Refers to network applications such as Web Image \\
Monitor. Utilities developed with the SDK (Software \\
Development Kit) will also be counted with this \\
group in the future.
\end{tabular} \\
\hline
\end{tabular}

The Group 8 SP codes are limited to 17 characters, forced by the necessity of displaying them on the small LCDs of printers and faxes that also use these SPs. Read over the list of abbreviations below and refer to it again if you see the name of an SP that you do not understand.

\section*{Keys and abbreviations in Data Log 2}
\begin{tabular}{|l|l|}
\hline \multicolumn{1}{|c|}{ Abbreviation } & \multicolumn{1}{c|}{ What it means } \\
\hline\(I\) & "By", e.g. "T:Jobs/Apl" = Total Jobs "by" Application \\
\hline\(>\) & More (2> "2 or more", 4> "4 or more" \\
\hline AddBook & Address Book \\
\hline Apl & Application \\
\hline B/W & Black \& White \\
\hline Bk & Black \\
\hline C & Color Create \\
\hline ColCr & Color Mode \\
\hline ColMode & \\
\hline
\end{tabular}

\section*{Main SP Tables-8}
\begin{tabular}{|c|c|}
\hline Abbreviation & What it means \\
\hline Comb & Combine \\
\hline Comp & Compression \\
\hline Deliv & Delivery \\
\hline DesApl & Designated Application. The application (Copy, Fax, Scan, Print) used to store the job on the document server, for example. \\
\hline Dev Counter & Development Count, no. of pages developed. \\
\hline Dup, Duplex & Duplex, printing on both sides \\
\hline Emul & Emulation \\
\hline FC & Full Color \\
\hline FIN & Post-print processing, i.e. finishing (punching, stapling, etc.) \\
\hline Full Bleed & No Margins \\
\hline GenCopy & Generation Copy Mode \\
\hline GPC & Get Print Counter. For jobs 10 pages or less, this counter does not count up. For jobs larger than 10 pages, this counter counts up by the number that is in excess of 10 (e.g., for an 11-page job, the counter counts up 11-10 =1) \\
\hline IFax & Internet Fax \\
\hline ImgEdt & Image Edit performed on the original with the copier GUI, e.g. border removal, adding stamps, page numbers, etc. \\
\hline K & Black (YMCK) \\
\hline LS & Local Storage. Refers to the document server. \\
\hline LSize & Large (paper) Size \\
\hline Mag & Magnification \\
\hline MC & One color (monochrome) \\
\hline
\end{tabular}
\begin{tabular}{|l|l|}
\hline \multicolumn{1}{|c|}{ Abbreviation } & \multicolumn{1}{c|}{ What it means } \\
\hline NRS & \begin{tabular}{l} 
New Remote Service, which allows a service center to monitor \\
machines remotely. "NRS" is used overseas, "CSS" is used in \\
Japan.
\end{tabular} \\
\hline Org & Original for scanning \\
\hline OrgJam & Original Jam \\
\hline Palm 2 & \begin{tabular}{l} 
Print Job Manager/Desk Top Editor: A pair of utilities that allows \\
print jobs to be distributed evenly among the printers on the \\
network, and allows files to moved around, combined, and \\
converted to different formats.
\end{tabular} \\
\hline PG & Personal Computer \\
\hline PGS & \begin{tabular}{l} 
Pages. A page is the total scanned surface of the original. \\
Duplex pages count as two pages, and A3 simplex count as two \\
pages if the A3/DLT counter SP is switched ON.
\end{tabular} \\
\hline PJob & Print Jobs \\
\hline Ppr & Paper \\
\hline SrtJam & Printer (plotter) Jam \\
\hline PrtPGS & Print Pages \\
\hline Rez & SMC report printed with SP5990. All of the Group 8 counters \\
\hline Simecorded in the SMC report. \\
\hline SC & Red (Toner Remaining). Applies to the wide format model A2 \\
Scre & Service Code (Error SC code displayed) \\
\hline available.
\end{tabular}
\begin{tabular}{|l|l|}
\hline \multicolumn{1}{|c|}{ Abbreviation } & \multicolumn{1}{c|}{ What it means } \\
\hline TonEnd & Toner End \\
\hline TonSave & Toner Save \\
\hline TXJob & Send, Transmission \\
\hline YMC & Yellow, Magenta, Cyan Magenta, Cyan, Black \\
\hline YMCK & \\
\hline
\end{tabular}

\section*{W Note}
- All of the Group 8 SPs are able to reset by "SP5 8011 Memory All Clear".
\begin{tabular}{|l|l|l|l|}
\hline \(\mathbf{8 0 0 1}\) & [T:Total Jobs] & \(*\) CTL & \begin{tabular}{l} 
These SPs count the number of times \\
each application is used to do a job.
\end{tabular} \\
\hline \(\mathbf{8 0 0 2}\) & [C:Total Jobs] & *CTL & \begin{tabular}{l} 
[F to \(99999999 /-/ 1]\) \\
Note: The L: counter is the total number \\
of times the other applications are used \\
to send a job to the document server, \\
plus the number of times a file already
\end{tabular} \\
\hline \(\mathbf{8 0 0 3}\) & [P:Total Jobs] & *CTL & *CTL
\end{tabular}
- These SPs reveal the number of times an application is used, not the number of pages processed.
- When an application is opened for image input or output, this counts as one job.
- Interrupted jobs (paper jams, etc.) are counted, even though they do not finish.
- Only jobs executed by the customer are counted. Jobs executed by the customer engineer using the SP modes are not counted.
- When using secure printing (when a password is required to start the print job), the job is counted at the time when either "Delete Data" or "Specify Output" is specified.
- A job is counted as a fax job when the job is stored for sending.
- When a fax is received to fax memory, the F: counter increments but the L: counter does not (the document server is not used).
- A fax broadcast counts as one job for the F: counter (the fax destinations in the broadcast are not counted separately).
- A fax broadcast is counted only after all the faxes have been sent to their destinations. If one transmission generates an error, then the broadcast will not be counted until the transmission
has been completed.
- A printed fax report counts as one job for the F: counter.
- The F : counter does not distinguish between fax sending or receiving.
- When a copy job on the document server is printed, SP8022 also increments, and when a print job stored on the document server is printed, SP8024 also increments.
- When an original is both copied and stored on the document server, the C : and L : counters both increment.
- When a print job is stored on the document server, only the L: counter increments.
- When the user presses the Document Server button to store the job on the document server, only the L: counter increments.
- When the user enters document server mode and prints data stored on the document server, only the L : counter increments.
- When an image received from Palm 2 is received and stored, the L: counter increments.
- When the customer prints a report (user code list, for example), the O: counter increments. However, for fax reports and reports executed from the fax application, the F: counter increments.
\begin{tabular}{|l|l|l|l|}
\hline \(\mathbf{8 0 1 1}\) & [T:Jobs/LS] & \(*\) *CTL & \multirow{2}{*}{ These SPs count the number of jobs } \\
stored to the document server by each \\
application, to reveal how local storage
\end{tabular}\(\}\)
- When a scan job is sent to the document server, the S : counter increments. When you enter document server mode and then scan an original, the L: counter increments.
- When a print job is sent to the document server, the \(P\) : counter increments.
- When a network application sends data to the document server, the O: counter increments.
- When an image from Palm 2 is stored on the document server, the O: counter increments.
- When a fax is sent to the document server, the F : counter increments.
\begin{tabular}{|c|c|c|c|}
\hline 8021 & [T:Pjob/LS] & *CTL & \multirow{7}{*}{\begin{tabular}{l}
These SPs reveal how files printed from the document server were stored on the document server originally.
\[
\text { [0 to } 9999999 \text { / } 0 \text { / 1] }
\] \\
The L: counter counts the number of jobs stored from within the document server mode screen at the operation panel.
\end{tabular}} \\
\hline 8022 & [C:Pjob/LS] & *CTL & \\
\hline 8023 & [F:Pjob/LS] & *CTL & \\
\hline 8024 & [P:Pjob/LS] & *CTL & \\
\hline 8025 & [S:Pjob/LS] & *CTL & \\
\hline 8026 & [L:Pjob/LS] & *CTL & \\
\hline 8027 & [0:Pjob/LS] & *CTL & \\
\hline
\end{tabular}
- When a copy job stored on the document server is printed with another application, the C: counter increments.
- When an application like DeskTopBinder merges a copy job that was stored on the document server with a print job that was stored on the document server, the C : and P : counters both increment.
- When a job already on the document server is printed with another application, the L: counter increments.
- When a scanner job stored on the document server is printed with another application, the S: counter increments. If the original was scanned from within document server mode, then the L : counter increments.
- When images stored on the document server by a network application (including Palm 2), are printed with another application, the O: counter increments.
- When a copy job stored on the document server is printed with a network application (Web Image Monitor, for example), the C : counter increments.
- When a fax on the document server is printed, the F : counter increments.
\begin{tabular}{|c|c|c|c|}
\hline 8031 & [T:Pjob/DesApl] & *CTL & \multirow{7}{*}{\begin{tabular}{l}
These SPs reveal what applications were used to output documents from the document server.
\[
\text { [0 to } 9999999 \text { / } 0 \text { / 1] }
\] \\
The L: counter counts the number of jobs printed from within the document server mode screen at the operation panel.
\end{tabular}} \\
\hline 8032 & [C:Pjob/DesApl] & *CTL & \\
\hline 8033 & [F:Pjob/DesApl] & *CTL & \\
\hline 8034 & [P:Pjob/DesApl] & *CTL & \\
\hline 8035 & [S:Pjob/DesApl] & *CTL & \\
\hline 8036 & [L:Pjob/DesApl] & *CTL & \\
\hline 8037 & [O:Pjob/DesApl] & *CTL & \\
\hline
\end{tabular}
- When documents already stored on the document server are printed, the count for the application that started the print job is incremented.
- When the print job is started from a network application (Desk Top Binder, Web Image Monitor, etc.) the L: counter increments.
\begin{tabular}{|l|l|l|l|}
\hline \(\mathbf{8 0 4 1}\) & [T:TX Jobs/LS] & \({ }^{*}\) CTL & \begin{tabular}{l} 
These SPs count the applications that \\
stored files on the document server that
\end{tabular} \\
\hline \(\mathbf{8 0 4 2}\) & [C:TX Jobs/LS] & \({ }^{*}\) CTL & \begin{tabular}{l} 
were later accessed for transmission \\
over the telephone line or over a \\
network (attached to an e-mail, or as a
\end{tabular} \\
\hline \(\mathbf{8 0 4 3}\) & [F:TX Jobs/LS] & \({ }^{*}\) CTL \\
fax image by I-Fax).
\end{tabular}
- When a stored copy job is sent from the document server, the C : counter increments.
- When images stored on the document server by a network application or Palm2 are sent as an e-mail, the O : counter increments.
\begin{tabular}{|l|l|l|l|}
\hline \(\mathbf{8 0 5 1}\) & [T:TX Jobs/DesApI] & \({ }^{*}\) CTL & \begin{tabular}{l} 
These SPs count the applications used \\
to send files from the document server \\
over the telephone line or over a \\
network (attached to an e-mail, or as a
\end{tabular} \\
\hline \(\mathbf{8 0 5 2}\) & [C:TX Jobs/DesApI] & \({ }^{*}\) CTL \\
fax image by I-Fax). Jobs merged for \\
sending are counted separately. \\
\(\mathbf{8 0 5 3}\) & [F:TX Jobs/DesApI] & \({ }^{*}\) CTL \\
\hline \(\mathbf{8 0 5 4}\) & [P:TX Jobs/DesApI] & \({ }^{*}\) CTL \\
\hline \(\mathbf{8 0 5 5}\) & [S:TX Jobs/DesApI] & \({ }^{*}\) CTL \(\left.9999999 / 0 / 1\right]\) \\
The L: counter counts the number of \\
jobs sent from within the document \\
server mode screen at the operation \\
panel.
\end{tabular}
- If the send is started from Desk Top Binder or Web Image Monitor, for example, then the O: counter increments.
\begin{tabular}{|c|c|}
\hline \multirow[b]{2}{*}{8061} & [T:FIN Jobs] \\
\hline & These SPs total the finishing methods. The finishing method is specified by the application. \\
\hline \multirow[b]{2}{*}{8062} & [P:FIN Jobs] \\
\hline & These SPs total finishing methods for print jobs only. The finishing method is specified by the application. \\
\hline \multirow[b]{2}{*}{8063} & [F:FIN Jobs] \\
\hline & \begin{tabular}{l}
These SPs total finishing methods for fax jobs only. The finishing method is specified by the application. \\
Note: Finishing features for fax jobs are not available at this time.
\end{tabular} \\
\hline \multirow[b]{2}{*}{8064} & [P:FIN Jobs] \\
\hline & These SPs total finishing methods for print jobs only. The finishing method is specified by the application. \\
\hline \multirow[b]{2}{*}{8065} & [S:FIN Jobs] \\
\hline & \begin{tabular}{l}
These SPs total finishing methods for scan jobs only. The finishing method is specified by the application. \\
Note: Finishing features for scan jobs are not available at this time.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{8066} & \multicolumn{3}{|l|}{[L:FIN Jobs]} \\
\hline & \multicolumn{3}{|l|}{These SPs total finishing methods for jobs output from within the document server mode screen at the operation panel. The finishing method is specified from the print window within document server mode.} \\
\hline \multirow[b]{2}{*}{8067} & \multicolumn{3}{|l|}{[O:FIN Jobs]} \\
\hline & \multicolumn{3}{|l|}{These SPs total finishing methods for jobs executed by an external application, over the network. The finishing method is specified by the application.} \\
\hline \multirow{2}{*}{001} & Sort & *CTL & [0 to 9999999 / 0 / 1 / step] \\
\hline & \multicolumn{3}{|l|}{Number of jobs started in Sort mode.} \\
\hline & Stack & *CTL & [0 to 9999999 / 0 / 1 / step] \\
\hline & \multicolumn{3}{|l|}{Number of jobs started out of Sort mode.} \\
\hline & Staple & *CTL & [0 to 9999999 / 0 / 1 / step] \\
\hline & \multicolumn{3}{|l|}{Number of jobs started in Staple mode.} \\
\hline \multirow[b]{2}{*}{004} & Booklet & *CTL & [0 to 9999999 / 0 / 1 / step] \\
\hline & \multicolumn{3}{|l|}{Number of jobs started in Booklet mode. If the machine is in staple mode, the Staple counter also increments.} \\
\hline \multirow[b]{2}{*}{005} & Z-Fold & *CTL & [0 to 9999999 / 0 / 1 / step] \\
\hline & \multicolumn{3}{|l|}{Number of jobs started In any mode other than the Booklet mode and set for folding (Z-fold).} \\
\hline \multirow[b]{2}{*}{006} & Punch & *CTL & [0 to 9999999 / 0 / 1 / step] \\
\hline & \multicolumn{3}{|l|}{Number of jobs started in Punch mode. When Punch is set for a print job, the P: counter increments. (See SP8-064-6.)} \\
\hline \multirow{2}{*}{007} & Other & *CTL & [0 to 9999999 / 0 / 1 / step] \\
\hline & \multicolumn{3}{|l|}{(Reserved)} \\
\hline 008 & Inside-Flod & *CTL & [0 to 9999999 / 0 / 1 / step] \\
\hline 009 & Three-In-Fold & *CTL & [0 to 9999999 / 0 / 1 / step] \\
\hline 010 & Three-OUT-Fold & *CTL & [0 to 9999999 / 0 / 1 / step] \\
\hline
\end{tabular}
\begin{tabular}{|c|l|c|l|}
\hline 011 & Four-Fold & \(* \mathrm{CTL}\) & {\([0\) to \(9999999 / 0 / 1 /\) step \(]\)} \\
\hline 012 & KANNON-Fold & \(* \mathrm{CTL}\) & {\([0\) to \(9999999 / 0 / 1 /\) step \(]\)} \\
\hline 013 & Perfect-Bind & \(* \mathrm{CTL}\) & {\([0\) to \(9999999 / 0 / 1 /\) step \(]\)} \\
\hline 014 & Ring-Bind & \(* \mathrm{CTL}\) & {\([0\) to \(9999999 / 0 / 1 /\) step \(]\)} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{8071} & \multicolumn{3}{|l|}{[T:Jobs/PGS]} \\
\hline & \multicolumn{3}{|l|}{These SPs count the number of jobs broken down by the number of pages in the job, regardless of which application was used.} \\
\hline \multirow[b]{2}{*}{8072} & \multicolumn{3}{|l|}{[C:Jobs/PGS]} \\
\hline & \multicolumn{3}{|l|}{These SPs count and calculate the number of copy jobs by size based on the number of pages in the job.} \\
\hline & [F:Jobs & & \\
\hline 8073 & \multicolumn{3}{|l|}{These SPs count and calculate the number of fax jobs by size based on the number of pages in the job.} \\
\hline & [P:Jobs & & \\
\hline 8074 & \multicolumn{3}{|l|}{These SPs count and calculate the number of print jobs by size based on the number of pages in the job.} \\
\hline & [S:Jobs & & \\
\hline 8075 & \multicolumn{3}{|l|}{These SPs count and calculate the number of scan jobs by size based on the number of pages in the job.} \\
\hline & [L:Jobs & & \\
\hline 8076 & \multicolumn{3}{|l|}{These SPs count and calculate the number of jobs printed from within the document server mode window at the operation panel, by the number of pages in the job.} \\
\hline & \multicolumn{3}{|l|}{[O:Jobs/PGS]} \\
\hline 8077 & \multicolumn{3}{|l|}{These SPs count and calculate the number of "Other" application jobs (Web Image Monitor, Palm 2, etc.) by size based on the number of pages in the job.} \\
\hline 001 & 1 Page & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline 002 & 2 Pages & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 003 & 3 Pages & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline 004 & 4 Pages & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline 005 & 5 Pages & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline 006 & 6 to 10 Pages & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline 007 & 11 to 20 Pages & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline 008 & 21 to 50 Pages & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline 009 & 51 to 100 Pages & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline 010 & 101 to 300 Pages & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline 011 & 301 to 500 Pages & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline 012 & 501 to 700 Pages & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline 013 & 701 to 1000 Pages & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline 014 & 1001 to Pages & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline
\end{tabular}
- For example: When a copy job stored on the document server is printed in document server mode, the appropriate L: counter (SP8076 0xx) increments.
- Printing a fax report counts as a job and increments the F: counter (SP 8073).
- Interrupted jobs (paper jam, etc.) are counted, even though they do not finish.
- If a job is paused and re-started, it counts as one job.
- If the finisher runs out of staples during a print and staple job, then the job is counted at the time the error occurs.
- For copy jobs (SP 8072) and scan jobs (SP 8075), the total is calculated by multiplying the number of sets of copies by the number of pages scanned. (One duplex page counts as 2.)
- The first test print and subsequent test prints to adjust settings are added to the number of pages of the copy job (SP 8072).
- When printing the first page of a job from within the document server screen, the page is counted.
\begin{tabular}{|l|l|c|l|}
\hline \multirow{3}{*}{\(\mathbf{8 1 1 1}\)} & \multicolumn{2}{|l|}{ [T:FAX TX Jobs] } & \begin{tabular}{l} 
These SPs count the total number of jobs (color or black-and-white) sent by \\
fax, either directly or using a file stored on the document server, on a \\
telephone line. \\
Note: Color fax sending is not available at this time.
\end{tabular} \\
\hline 001 & B/W & \(*\) CTL & {\([0\) to \(9999999 / 0 / 1 /\) step \(]\)} \\
\hline 002 & Color & \(*\) CTL & {\([0\) to \(9999999 / 0 / 1 /\) step \(]\)} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{8113} & \multicolumn{3}{|l|}{[F: FAX TX Jobs]} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
These SPs count the total number of jobs (color or black-and-white) sent by fax directly on a telephone line. \\
Note: Color fax sending is not available at this time.
\end{tabular}} \\
\hline 001 & B/W & *CTL & [0 to 9999999 / 0 / 1 / step] \\
\hline 002 & Color & *CTL & [0 to 9999999 / 0 / 1 / step] \\
\hline
\end{tabular}
- These counters count jobs, not pages.
- This SP counts fax jobs sent over a telephone line with a fax application, including documents stored on the document server.
- If the mode is changed during the job, the job will count with the mode set when the job started.
- If the same document is faxed to both a public fax line and an I-Fax at a destination where both are available, then this counter increments, and the I-Fax counter ( 812 x ) also increments.
- The fax job is counted when the job is scanned for sending, not when the job is sent.
\begin{tabular}{|c|c|c|c|}
\hline & \multicolumn{3}{|l|}{[T:IFAX TX Jobs]} \\
\hline 8121 & \multicolumn{3}{|l|}{\begin{tabular}{l}
These SPs count the total number of jobs (color or black-and-white) sent, either directly or using a file stored on the document server, as fax images using I-Fax. \\
Note: Color fax sending is not available at this time.
\end{tabular}} \\
\hline & \multicolumn{3}{|l|}{[F: IFAX TX Jobs]} \\
\hline 8123 & \multicolumn{3}{|l|}{\begin{tabular}{l}
These SPs count the number of jobs (color or black-and-white) sent (not stored on the document server), as fax images using l-Fax. \\
Note: Color fax sending is not available at this time.
\end{tabular}} \\
\hline 001 & B/W & *CTL & [0 to 9999999 / 0 / 1 / step] \\
\hline 002 & Color & *CTL & [0 to 9999999 / 0 / 1 / step] \\
\hline
\end{tabular}
- These counters count jobs, not pages.
- The counters for color are provided for future use; the color fax feature is not available at this time.
- The fax job is counted when the job is scanned for sending, not when the job is sent.
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{8131} & \multicolumn{3}{|l|}{[T:S-to-Email Jobs]} \\
\hline & \multicolumn{3}{|l|}{These SPs count the total number of jobs (color or black-and-white) scanned and attached to an e-mail, regardless of whether the document server was used or not.} \\
\hline & \multicolumn{3}{|l|}{[S: S-to-Email Jobs]} \\
\hline 8135 & \multicolumn{3}{|l|}{These SPs count the number of jobs (color or black-and-white) scanned and attached to e-mail, without storing the original on the document server.} \\
\hline 001 & B/W & *CTL & [0 to 9999999 / 0 / 1 / step] \\
\hline 002 & Color & *CTL & [0 to 9999999 / 0 / 1 / step] \\
\hline 003 & ACS & *CTL & [0 to 9999999 / 0 / 1 / step] \\
\hline
\end{tabular}
- These counters count jobs, not pages.
- If the job is stored on the document server, after the job is stored it is determined to be color or black-and-white then counted.

\section*{Main SP Tables-8}
- If the job is cancelled during scanning, or if the job is cancelled while the document is waiting to be sent, the job is not counted.
- If the job is cancelled during sending, it may or may not be counted, depending on what stage of the process had been reached when the job was cancelled.
- If several jobs are combined for sending to the Scan Router, Scan-to-Email, or Scan-to-PC, or if one job is sent to more than one destination. each send is counted separately. For example, if the same document is sent by Scan-to-Email as well as Scan-to-PC, then it is counted twice (once for Scan-to-Email and once for Scan-to-PC).
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{8141} & \multicolumn{3}{|l|}{[T:Deliv Jobs/Svr]} \\
\hline & \multicolumn{3}{|l|}{These SPs count the total number of jobs (color or black-and-white) scanned and sent to a Scan Router server.} \\
\hline \multirow[b]{2}{*}{8145} & \multicolumn{3}{|l|}{[S: Deliv Jobs/Svr]} \\
\hline & \multicolumn{3}{|l|}{These SPs count the number of jobs (color or black-and-white) scanned in scanner mode and sent to a Scan Router server.} \\
\hline 001 & B/W & *CTL & [0 to 9999999 / 0 / 1 / step] \\
\hline 002 & Color & *CTL & [0 to 9999999 / 0 / 1 / step] \\
\hline 003 & ACS & *CTL & [0 to 9999999 / 0 / 1 / step] \\
\hline
\end{tabular}
- These counters count jobs, not pages.
- The jobs are counted even though the arrival and reception of the jobs at the Scan Router server cannot be confirmed.
- If even one color image is mixed with black-and-white images, then the job is counted as a "Color" job.
- If the job is cancelled during scanning, or if the job is cancelled while the document is waiting to be delivered, the job is not counted.
- If the job is cancelled during sending, it may or may not be counted, depending on what stage of the process had been reached when the job was cancelled.
- Even if several files are combined for sending, the transmission counts as one job.
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{8151} & \multicolumn{3}{|l|}{[T:Deliv Jobs/PC]} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
These SPs count the total number of jobs (color or black-and-white) scanned and sent to a folder on a PC (Scan-to-PC). \\
Note: At the present time, 8151 and 8155 perform identical counts.
\end{tabular}} \\
\hline & \multicolumn{3}{|l|}{[S:Deliv Jobs/PC]} \\
\hline 8155 & \multicolumn{3}{|l|}{These SPs count the total number of jobs (color or black-and-white) scanned and sent with Scan-to-PC.} \\
\hline 001 & B/W & *CTL & [0 to 9999999 / 0 / 1 / step] \\
\hline 002 & Color & *CTL & [0 to 9999999 / 0 / 1 / step] \\
\hline 003 & ACS & *CTL & [0 to 9999999 / 0 / 1 / step] \\
\hline
\end{tabular}
- These counters count jobs, not pages.
- If the job is cancelled during scanning, it is not counted.
- If the job is cancelled while it is waiting to be sent, the job is not counted.
- If the job is cancelled during sending, it may or may not be counted, depending on what stage of the process had been reached when the job was cancelled.
- Even if several files are combined for sending, the transmission counts as one job.
\begin{tabular}{|l|l|l|l|}
\hline \(\mathbf{8 1 6 1}\) & [T:PCFAX TX Jobs] & *CTL & \begin{tabular}{l} 
These SPs count the number of PC Fax \\
transmission jobs. A job is counted from \\
when it is registered for sending, not \\
when it is sent. \\
[0 to \(9999999 / 0 / 1 /\) step] \\
Note: At the present time, these \\
counters perform identical counts.
\end{tabular} \\
\hline & [F:PCFAX TX Jobs] & *CTL & \\
\hline
\end{tabular}
- This counts fax jobs started from a PC using a PC fax application, and sending the data out to the destination from the PC through the copier.
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{8171} & \multicolumn{3}{|l|}{[T:Deliv Jobs/WSD]} \\
\hline & \multicolumn{3}{|l|}{These SPs count the pages scanned by WS.} \\
\hline \multirow{2}{*}{8175} & \multicolumn{3}{|l|}{[S:Deliv Jobs/WSD]} \\
\hline & \multicolumn{3}{|l|}{These SPs count the pages scanned by WS.} \\
\hline 001 & B/W & *CTL & [0 to 9999999 / 0 / 1 / step] \\
\hline 002 & Color & *CTL & [0 to 9999999 / 0 / 1 / step] \\
\hline 003 & ACS & *CTL & [0 to 9999999 / 0 / 1 / step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{8181} & \multicolumn{3}{|l|}{[T:Scan to Media Jobs]} \\
\hline & \multicolumn{3}{|l|}{These SPs count the scanned pages in a media by the scanner application.} \\
\hline \multirow{2}{*}{8185} & \multicolumn{3}{|l|}{[S:Scan to Media Jobs]} \\
\hline & \multicolumn{3}{|l|}{These SPs count the scanned pages in a media by the scanner application.} \\
\hline 001 & B/W & *CTL & [0 to 9999999 / 0 / 1 / step] \\
\hline 002 & Color & *CTL & [0 to 9999999 / 0 / 1 / step] \\
\hline 003 & ACS & *CTL & [0 to 9999999 / 0 / 1 / step] \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|l|}
\hline \(\mathbf{8 1 9 1}\) & [T:Total Scan PGS] & \({ }^{*} \mathrm{CTL}\) & \\
\hline \(\mathbf{8 1 9 2}\) & [C:Total Scan PGS] & \({ }^{*} \mathrm{CTL}\) & \multirow{2}{*}{\begin{tabular}{l} 
These SPs count the pages scanned by \\
each application that uses the scanner \\
to scan images.
\end{tabular}} \\
\hline \(\mathbf{8 1 9 3}\) & [F:Total Scan PGS] & \({ }^{*}\) CTL
\end{tabular}
- SP 8191 to 8196 count the number of scanned sides of pages, not the number of physical pages.
- These counters do not count reading user stamp data, or reading color charts to adjust color.
- Previews done with a scanner driver are not counted.
- A count is done only after all images of a job have been scanned.
- Scans made in SP mode are not counted.

\section*{Examples}
- If 3 B5 pages and 1 A3 page are scanned with the scanner application but not stored, the S : count is 4.
- If both sides of 3 A4 sheets are copied and stored to the document server using the Store File button in the Copy mode window, the C: count is 6 and the \(L\) : count is 6 .
- If both sides of 3 A 4 sheets are copied but not stored, the C : count is 6 .
- If you enter document server mode then scan 6 pages, the \(L\) : count is 6 .
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{8201} & [T:LSize Scan PGS] & *CTL & [0 to 9999999 / 0 / 1 / step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
These SPs count the total number of large pages input with the scanner for scan and copy jobs. Large size paper (A3/DLT) scanned for fax transmission are not counted. \\
Note: These counters are displayed in the SMC Report, and in the User Tools display.
\end{tabular}} \\
\hline & [ F : LSize Scan PGS] & *CTL & [0 to 9999999 / 0 / 1 / step] \\
\hline 8203 & \multicolumn{3}{|l|}{\begin{tabular}{l}
These SPs count the total number of large pages input with the scanner for fax transmission. \\
Note: These counters are displayed in the SMC Report, and in the User Tools display.
\end{tabular}} \\
\hline & [S:LSize Scan PGS] & *CTL & [0 to 9999999 / 0 / 1 / step] \\
\hline 8205 & \multicolumn{3}{|l|}{\begin{tabular}{l}
These SPs count the total number of large pages input with the scanner for scan jobs only. Large size paper (A3/DLT) scanned for fax transmission are not counted. \\
Note: These counters are displayed in the SMC Report, and in the User Tools display.
\end{tabular}} \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|l|}
\hline \(\mathbf{8 2 1 1}\) & [T:Scan PGS/LS] & \({ }^{*}\) CTL & \begin{tabular}{l} 
These SPs count the number of pages \\
scanned into the document server.
\end{tabular} \\
\hline \(\mathbf{8 2 1 2}\) & [C:Scan PGSILS] & \({ }^{*}\) CTL & \begin{tabular}{l} 
[0 to \(9999999 / 0 / 1]\)
\end{tabular} \\
\hline \(\mathbf{8 2 1 3}\) & [F:Scan PGSILS] & \({ }^{*}\) CTL & \begin{tabular}{l} 
The L: counter counts the number of \\
pages stored from within the document \\
server mode screen at the operation
\end{tabular} \\
\hline \(\mathbf{8 2 1 5}\) & [S:Scan PGS/LS] & \({ }^{*}\) CTL
\end{tabular}
- Reading user stamp data is not counted.
- If a job is cancelled, the pages output as far as the cancellation are counted.
- If the scanner application scans and stores 3 B5 sheets and 1 A4 sheet, the S : count is 4 .
- If pages are copied but not stored on the document server, these counters do not change.
- If both sides of 3 A4 sheets are copied and stored to the document server, the C: count is 6 and the \(L\) : count is 6 .
- If you enter document server mode then scan 6 pages, the L: count is 6 .
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{8221} & \multicolumn{3}{|l|}{[ADF Org Feeds]} \\
\hline & \multicolumn{3}{|l|}{These SPs count the number of pages fed through the ADF for front and back side scanning.} \\
\hline & Front & *CTL & [0 to 9999999 / 0 / 1 / step] \\
\hline 001 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Number of front sides fed for scanning: \\
With an ADF that can scan both sides simultaneously, the Front side count is the same as the number of pages fed for either simplex or duplex scanning. With an ADF that cannot scan both sides simultaneously, the Front side count is the same as the number of pages fed for duplex front side scanning. (The front side is determined by which side the user loads face up.)
\end{tabular}} \\
\hline & Back & *CTL & [0 to 9999999 / 0 / 1 / step] \\
\hline 002 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Number of rear sides fed for scanning: \\
With an ADF that can scan both sides simultaneously, the Back count is the same as the number of pages fed for duplex scanning. \\
With an ADF that cannot scan both sides simultaneously, the Back count is the same as the number of pages fed for duplex rear-side scanning.
\end{tabular}} \\
\hline
\end{tabular}
- When 1 sheet is fed for duplex scanning the Front count is 1 and the Back count is 1 .
- If a jam occurs during the job, recovery processing is not counted to avoid double counting. Also, the pages are not counted if the jam occurs before the first sheet is output.
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{8231} & \multicolumn{3}{|l|}{[Scan PGS/Mode]} \\
\hline & \multicolumn{3}{|l|}{These SPs count the number of pages scanned by each ADF mode to determine the work load on the ADF.} \\
\hline \multirow{2}{*}{001} & Large Volume & *CTL & [0 to 9999999 / 0 / 1 / step] \\
\hline & \multicolumn{3}{|l|}{Selectable. Large copy jobs that cannot be loaded in the ADF at one time.} \\
\hline \multirow{2}{*}{002} & SADF & *CTL & [0 to 9999999 / 0 / 1 / step] \\
\hline & \multicolumn{3}{|l|}{Selectable. Feeding pages one by one through the ADF.} \\
\hline \multirow{2}{*}{003} & Mixed Size & *CTL & [0 to 9999999 / 0 / 1 / step] \\
\hline & \multicolumn{3}{|l|}{Selectable. Select "Mixed Sizes" on the operation panel.} \\
\hline \multirow{2}{*}{004} & Custom Size & *CTL & [0 to 9999999 / 0 / 1 / step] \\
\hline & \multicolumn{3}{|l|}{Selectable. Originals of non-standard size.} \\
\hline \multirow{2}{*}{005} & Platen & *CTL & [0 to 9999999 / 0 / 1 / step] \\
\hline & \multicolumn{3}{|l|}{Book mode. Raising the ADF and placing the original directly on the platen.} \\
\hline \multirow{2}{*}{006} & Mixed 1side/ 2side & *CTL & [0 to 9999999 / 0 / 1 / step] \\
\hline & \multicolumn{3}{|l|}{Simplex and Duplex mode.} \\
\hline
\end{tabular}
- If the scan mode is changed during the job, for example, if the user switches from ADF to Platen mode, the count is done for the last selected mode.
- The user cannot select mixed sizes or non-standard sizes with the fax application so if the original's page sizes are mixed or non-standard, these are not counted.
- If the user selects "Mixed Sizes" for copying in the platen mode, the Mixed Size count is enabled.
- In the SADF mode if the user copies 1 page in platen mode and then copies 2 pages with SADF, the Platen count is 1 and the SADF count is 3.
\begin{tabular}{|c|c|c|c|c|c|c|}
\hline \multirow[b]{2}{*}{8241} & [T:Scan PGS/Org] & *CTL & \multicolumn{4}{|l|}{[0 to 9999999 / 0 / 1 / step} \\
\hline & \multicolumn{6}{|l|}{These SPs count the total number of scanned pages by original type for all jobs, regardless of which application was used.} \\
\hline \multirow{2}{*}{8242} & [C:Scan PGS/Org] & *CTL [0 & 9999 & / 0 / 1 & & \\
\hline & \multicolumn{6}{|l|}{These SPs count the number of pages scanned by original type for Copy jobs.} \\
\hline \multirow{2}{*}{8243} & [F:Scan PGS/Org] & *CTL [0 & \multicolumn{4}{|l|}{[0 to 9999999 / 0 / 1 / step} \\
\hline & \multicolumn{6}{|l|}{These SPs count the number of pages scanned by original type for Fax jobs.} \\
\hline \multirow{2}{*}{8245} & [S:Scan PGS/Org] & *CTL [0 & \multicolumn{4}{|l|}{[0 to 9999999 / 0 / 1 / step} \\
\hline & \multicolumn{6}{|l|}{These SPs count the number of pages scanned by original type for Scan jobs.} \\
\hline & [L:Scan PGS/Org] & *CTL [0 & \multicolumn{4}{|l|}{[0 to 9999999 / 0 / 1 / step} \\
\hline 8246 & \multicolumn{6}{|l|}{These SPs count the number of pages scanned and stored from within the document server mode screen at the operation panel, and with the Store File button from within the Copy mode screen} \\
\hline & & 8241 & 8242 & 8243 & 8245 & 8246 \\
\hline 001 & Text & Yes & Yes & Yes & Yes & Yes \\
\hline 002 & Text/Photo & Yes & Yes & Yes & Yes & Yes \\
\hline 003 & Photo & Yes & Yes & Yes & Yes & Yes \\
\hline 004 & GenCopy, Pale & Yes & Yes & No & Yes & Yes \\
\hline 005 & Map & Yes & Yes & No & Yes & Yes \\
\hline 006 & Normal/Detail & Yes & No & Yes & No & No \\
\hline 007 & Fine/Super Fine & Yes & No & Yes & No & No \\
\hline 008 & Binary & Yes & No & No & Yes & No \\
\hline 009 & Grayscale & Yes & No & No & Yes & No \\
\hline 010 & Color & Yes & No & No & Yes & No \\
\hline 011 & Other & Yes & Yes & Yes & Yes & Yes \\
\hline
\end{tabular}
- If the scan mode is changed during the job, for example, if the user switches from ADF to Platen mode, the count is done for the last selected mode.
\begin{tabular}{|c|c|c|c|}
\hline 8251 & [T:Scan PGS/ImgEdt] & *CTL & \multirow[t]{6}{*}{\begin{tabular}{l}
These SPs show how many times Image Edit features have been selected at the operation panel for each application. Some examples of these editing features are: \\
Erase> Border \\
Erase> Center \\
Image Repeat \\
Centering \\
Positive/Negative \\
[0 to 9999999 / 0 / 1 / step] \\
Note: The count totals the number of times the edit features have been used. \\
A detailed breakdown of exactly which features have been used is not given.
\end{tabular}} \\
\hline 8252 & [C:Scan PGS/ImgEdt] & *CTL & \\
\hline 8254 & [P:Scan PGS/ImgEdt] & *CTL & \\
\hline 8255 & [S:Scan PGS/ImgEdr] & *CTL & \\
\hline 8256 & [L:Scan PGS/ImgEdt] & *CTL & \\
\hline 8257 & [O:Scan PGS/ImgEdt] & *CTL & \\
\hline
\end{tabular}

The L: counter counts the number of pages stored from within the document server mode screen at the operation panel, and with the Store File button from within the Copy mode screen.
\begin{tabular}{|c|c|c|c|}
\hline 8261 & \multicolumn{3}{|l|}{[T:Scan PGS/ColCr]} \\
\hline 8262 & \multicolumn{3}{|l|}{[C:Scan PGS/ ColCr]} \\
\hline 8265 & \multicolumn{3}{|l|}{[S:Scn PGS/Color]} \\
\hline 8266 & \multicolumn{3}{|l|}{[L:Scn PGS/ColCr]} \\
\hline & \multicolumn{3}{|l|}{These SPs show how many times color creation features have been selected at the operation panel.} \\
\hline 001 & Color Conversion & *CTL & [0 to 9999999 / 0 / 1 / step] \\
\hline 002 & Color Erase & *CTL & [0 to 9999999 / 0 / 1 / step] \\
\hline 003 & Background & *CTL & [0 to 9999999 / 0 / 1 / step] \\
\hline 004 & Other & *CTL & [0 to 9999999 / 0 / 1 / step] \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|l|}
\hline \(\mathbf{8 2 8 1}\) & [T:Scan PGS/TWAIN] & *CTL & \begin{tabular}{l} 
These SPs count the number of pages \\
scanned using a TWAIN driver. These \\
counters reveal how the TWAIN driver \\
is used for delivery functions.
\end{tabular} \\
\hline \(\mathbf{8 2 8 5}\) & [S:Scan PGS/TWAIN] & *CTL & \begin{tabular}{l} 
[0 to \(9999999 / 0 / 1 /\) step] \\
Note: At the present time, these \\
counters perform identical counts.
\end{tabular} \\
\hline
\end{tabular}
\(\left.\begin{array}{|l|l|l|l|}\hline \mathbf{8 2 9 1} & \text { [T:Scan PGS/Stamp] } & \text { *CTL } & \begin{array}{l}\text { These SPs count the number of pages } \\
\text { stamped with the stamp in the ADF unit. } \\
\text { [0 to 9999999 / 0 / 1 / step] }\end{array} \\
\hline \mathbf{8 2 9 3} & \text { [F:Scan PGS/Stamp] } & { }^{*} \text { CTL }\end{array}\right\}\)\begin{tabular}{l} 
The L: counter counts the number of \\
pages stored from within the document \\
server mode screen at the operation \\
panel, and with the Store File button \\
from within the Copy mode screen
\end{tabular}
\begin{tabular}{|c|c|}
\hline \multirow[b]{2}{*}{8301} & [T:Scan PGS/Size] \\
\hline & These SPs count by size the total number of pages scanned by all applications. Use these totals to compare original page size (scanning) and output (printing) page size [SP 8-441]. \\
\hline \multirow[b]{2}{*}{8302} & [C:Scan PGS/Size] \\
\hline & These SPs count by size the total number of pages scanned by the Copy application. Use these totals to compare original page size (scanning) and output (printing) page size [SP 8-442]. \\
\hline \multirow[b]{2}{*}{8303} & [F:Scan PGS/Size] \\
\hline & These SPs count by size the total number of pages scanned by the Fax application. Use these totals to compare original page size (scanning) and output page size [SP 8-443]. \\
\hline \multirow[b]{2}{*}{8305} & [S:Scan PGS/Size] \\
\hline & These SPs count by size the total number of pages scanned by the Scan application. Use these totals to compare original page size (scanning) and output page size [SP 8-445]. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{8306} & \multicolumn{3}{|l|}{[L:Scan PGS/Size]} \\
\hline & \multicolumn{3}{|l|}{These SPs count by size the total number of pages scanned and stored from within the document server mode screen at the operation panel, and with the Store File button from within the Copy mode screen. Use these totals to compare original page size (scanning) and output page size [SP 8-446].} \\
\hline 001 & A3 & *CTL & [0 to 9999999 / 0 / 1 / step] \\
\hline 002 & A4 & *CTL & [0 to 9999999 / 0 / 1 / step] \\
\hline 003 & A5 & *CTL & [0 to 9999999 / 0 / 1 / step] \\
\hline 004 & B4 & *CTL & [0 to 9999999 / 0 / 1 / step] \\
\hline 005 & B5 & *CTL & [0 to 9999999 / 0 / 1 / step] \\
\hline 006 & DLT & *CTL & [0 to 9999999 / 0 / 1 / step] \\
\hline 007 & LG & *CTL & [0 to 9999999 / 0 / 1 / step] \\
\hline 008 & LT & *CTL & [0 to 9999999 / 0 / 1 / step] \\
\hline 009 & HLT & *CTL & [0 to 9999999 / 0 / 1 / step] \\
\hline 010 & Full Bleed & *CTL & [0 to 9999999 / 0 / 1 / step] \\
\hline 254 & Other (Standard) & *CTL & [0 to 9999999 / 0 / 1 / step] \\
\hline 255 & Other (Custom) & *CTL & [0 to 9999999 / 0 / 1 / step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{8311} & T:Scan PGS/Rez & *CTL & [0 to 9999999/0 / 1] \\
\hline & \multicolumn{3}{|l|}{These SPs count by resolution setting the total number of pages scanned by applications that can specify resolution settings.} \\
\hline & S: Scan PGS/Rez & *CTL & [0 to 9999999/0 / 1] \\
\hline 8315 & \multicolumn{3}{|l|}{\begin{tabular}{l}
These SPs count by resolution setting the total number of pages scanned by applications that can specify resolution settings. \\
Note: At the present time, SP8-311 and SP8-315 perform identical counts.
\end{tabular}} \\
\hline 001 & 1200dpi < & *CTL & [0 to 9999999 / 0 / 1 / step] \\
\hline 002 & 600dpi to 1199dpi & *CTL & [0 to 9999999 / 0 / 1 / step] \\
\hline 003 & 400dpi to 599dpi & *CTL & [0 to 9999999 / 0 / 1 / step] \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|l|}
\hline 004 & 200dpi to 399dpi & *CTL & {\([0\) to \(9999999 / 0 / 1 /\) step \(]\)} \\
\hline 005 & \(<199 \mathrm{dpi}\) & \(*\) CTL & {\([0\) to \(9999999 / 0 / 1 /\) step \(]\)} \\
\hline
\end{tabular}
- Copy resolution settings are fixed so they are not counted.
- The Fax application does not allow finely-adjusted resolution settings so no count is done for the Fax application.
\begin{tabular}{|c|c|c|c|}
\hline 8381 & [T:Total PrtPGS] & *CTL & \multirow{7}{*}{\begin{tabular}{l}
These SPs count the number of pages printed by the customer. The counter for the application used for storing the pages increments. \\
[0 to 99999999 / 0 / 1 / step]
\end{tabular}} \\
\hline 8382 & [C:Total PrtPGS] & *CTL & \\
\hline 8383 & [F:Total PrtPGS] & *CTL & \\
\hline 8384 & [P:Total PrtPGS] & *CTL & \\
\hline 8385 & [S:Total PrtPGS] & *CTL & \\
\hline 8386 & [L:Total PrtPGS] & *CTL & \\
\hline 8387 & [O:Total PrtPGS] & *CTL & \\
\hline
\end{tabular}
- When the A3/DLT double count function is switched on with SP5104, 1 A3/DLT page is counted as 2.
- When several documents are merged for a print job, the number of pages stored are counted for the application that stored them.
- These counters are used primarily to calculate charges on use of the machine, so the following pages are not counted as printed pages:
- Blank pages in a duplex printing job.
- Blank pages inserted as document covers, chapter title sheets, and slip sheets.
- Reports printed to confirm counts.
- All reports done in the service mode (service summaries, engine maintenance reports, etc.)
- Test prints for machine image adjustment.
- Error notification reports.
- Partially printed pages as the result of a copier jam.
\begin{tabular}{|l|l|l|l|}
\hline \multirow{3}{*}{8391} & LSize PrtPGS & \({ }^{*}\) CTL & [0 to 99999999 / 0 / 1 / step] \\
\cline { 2 - 4 } & \begin{tabular}{l} 
These SPs count pages printed on paper sizes A3/DLT and larger. \\
Note: In addition to being displayed in the SMC Report, these counters are \\
also displayed in the User Tools display on the copy machine.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 8401 & [T:PrtPGS/LS] & *CTL & \multirow[t]{6}{*}{\begin{tabular}{l}
These SPs count the number of pages printed from the document server. The counter for the application used to print the pages is incremented. \\
The L: counter counts the number of jobs stored from within the document server mode screen at the operation panel. \\
[0 to 9999999 / 0 / 1 / step]
\end{tabular}} \\
\hline 8402 & [C:PrtPGS/LS] & *CTL & \\
\hline 8403 & [F:PrtPGS/LS] & *CTL & \\
\hline 8404 & [P:PrtPGS/LS] & *CTL & \\
\hline 8405 & [S:PrtPGS/LS] & *CTL & \\
\hline 8406 & [L:PrtPGS/LS] & *CTL & \\
\hline
\end{tabular}
- Print jobs done with Web Image Monitor and Desk Top Binder are added to the L: count.
- Fax jobs done with Web Image Monitor and Desk Top Binder are added to the F: count.
\begin{tabular}{|l|l|l|l|}
\hline \(\mathbf{8 4 1 1}\) & Prints/Duplex & *CTL & \begin{tabular}{l} 
This SP counts the amount of paper \\
(front/back counted as 1 page) used for \\
duplex printing. Last pages printed only \\
on one side are not counted. \\
{\([0\) to \(99999999 / 0 / 1]\)}
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|l|l|}
\hline \multirow{4}{*}{\(\mathbf{8 4 2 1}\)} & [T:PrtPGS/Dup Comb] \\
\cline { 2 - 5 } & \begin{tabular}{l} 
These SPs count by binding and combine, and n-Up settings the number of \\
pages processed for printing. This is the total for all applications.
\end{tabular} \\
\hline \multirow{4}{*}{\(\mathbf{8 4 2 3}\)} & \begin{tabular}{l} 
[C:PrtPGS/Dup Comb] \\
These SPs count by binding and combine, and n-Up settings the number of \\
[F:PrtPGS/Dup Comb]
\end{tabular} \\
\hline & \begin{tabular}{l} 
These SPs count by binding and combine, and n-Up settings the number of \\
pages processed for printing by the fax application.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{8424} & \multicolumn{3}{|l|}{[P:PrtPGS/Dup Comb]} \\
\hline & \multicolumn{3}{|l|}{These SPs count by binding and combine, and n-Up settings the number of pages processed for printing by the printer application.} \\
\hline \multirow[b]{2}{*}{8425} & \multicolumn{3}{|l|}{[S:PrtPGS/Dup Comb]} \\
\hline & \multicolumn{3}{|l|}{These SPs count by binding and combine, and n-Up settings the number of pages processed for printing by the scanner application.} \\
\hline & \multicolumn{3}{|l|}{[L:PrtPGS/Dup Comb]} \\
\hline 8426 & \multicolumn{3}{|l|}{These SPs count by binding and combine, and n-Up settings the number of pages processed for printing from within the document server mode window at the operation panel.} \\
\hline \multirow[b]{2}{*}{8427} & \multicolumn{3}{|l|}{[0:PrtPGS/Dup Comb]} \\
\hline & \multicolumn{3}{|l|}{These SPs count by binding and combine, and n-Up settings the number of pages processed for printing by Other applications} \\
\hline 001 & Simplex> Duplex & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline 002 & Duplex> Duplex & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline 003 & Book> Duplex & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline 004 & Simplex Combine & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline 005 & Duplex Combine & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline & 2in1 & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline & \multicolumn{3}{|l|}{2 pages on 1 side (2-Up)} \\
\hline \multirow{2}{*}{007} & 4 in1 & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline & \multicolumn{3}{|l|}{4 pages on 1 side (4-Up)} \\
\hline \multirow{2}{*}{008} & 6 in1 & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline & \multicolumn{3}{|l|}{6 pages on 1 side (6-Up)} \\
\hline \multirow{2}{*}{009} & 8 in1 & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline & \multicolumn{3}{|l|}{8 pages on 1 side (8-Up)} \\
\hline 010 & 9 in 1 & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline & \multicolumn{3}{|l|}{9 pages on 1 side (9-Up)} \\
\hline \multirow{2}{*}{011} & 16 in1 & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline & \multicolumn{3}{|l|}{16 pages on 1 side (16-Up)} \\
\hline 012 & Booklet & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline 013 & Magazine & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline 014 & 2-in-1 + Booklet & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline 015 & 4-in-1 + Booklet & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline 016 & 6-in-1 + Booklet & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline 017 & 8-in-1 + Booklet & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline 018 & 9-in-1 + Booklet & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline 019 & 2-in-1 + Magazine & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline 020 & 4-in-1 + Magazine & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline 021 & 6-in-1 + Magazine & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline 022 & 8-in-1 + Magazine & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline 023 & 9-in-1 + Magazine & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline 024 & 16-in-1 + Magazine & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline
\end{tabular}
- These counts (SP8 421 to SP8 427) are especially useful for customers who need to improve their compliance with ISO standards for the reduction of paper consumption.
- Pages that are only partially printed with the n-Up functions are counted as 1 page.
- Here is a summary of how the counters work for Booklet and Magazine modes:
\begin{tabular}{|c|c|c|c|}
\hline \multicolumn{2}{|c|}{ Booklet } & \multicolumn{2}{|c|}{ Magazine } \\
\hline Original Pages & Count & Original Pages & Count \\
\hline 1 & 1 & 1 & 1 \\
\hline 2 & 2 & 2 & 2 \\
\hline 3 & 2 & 3 & 2 \\
\hline 4 & 2 & 4 & 2 \\
\hline 6 & 4 & 6 & 4 \\
\hline 7 & 4 & 7 & 4 \\
\hline 8 & 4 & 8 & 4 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|}
\hline \multirow[b]{2}{*}{8431} & [T:PrtPGS/ImgEdt] \\
\hline & These SPs count the total number of pages output with the three features below, regardless of which application was used. \\
\hline \multirow[b]{2}{*}{8432} & [C:PrtPGS/ImgEdt] \\
\hline & These SPs count the total number of pages output with the three features below with the copy application. \\
\hline \multirow[b]{2}{*}{8434} & [P:PrtPGS/ImgEdt] \\
\hline & These SPs count the total number of pages output with the three features below with the print application. \\
\hline \multirow[b]{2}{*}{8436} & [L:PrtPGS/ImgEdt] \\
\hline & These SPs count the total number of pages output from within the document server mode window at the operation panel with the three features below. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{8437} & \multicolumn{3}{|l|}{[0:PrtPGS/ImgEdt]} \\
\hline & \multicolumn{3}{|l|}{These SPs count the total number of pages output with the three features below with Other applications.} \\
\hline \multirow[b]{2}{*}{001} & Cover/Slip Sheet & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline & \multicolumn{3}{|l|}{Total number of covers or slip sheets inserted. The count for a cover printed on both sides counts 2 .} \\
\hline \multirow[b]{2}{*}{002} & Series/Book & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline & \multicolumn{3}{|l|}{The number of pages printed in series (one side) or printed as a book with booklet right/left pagination.} \\
\hline \multirow[b]{2}{*}{003} & User Stamp & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline & \multicolumn{3}{|l|}{The number of pages printed where stamps were applied, including page numbering and date stamping.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|}
\hline \multirow[b]{2}{*}{8441} & [T:PrtPGS/Ppr Size] \\
\hline & These SPs count by print paper size the number of pages printed by all applications. \\
\hline \multirow[b]{2}{*}{8442} & [C:PrtPGS/Ppr Size] \\
\hline & These SPs count by print paper size the number of pages printed by the copy application. \\
\hline \multirow[b]{2}{*}{8443} & [F:PrtPGS/Ppr Size] \\
\hline & These SPs count by print paper size the number of pages printed by the fax application. \\
\hline \multirow[b]{2}{*}{8444} & [P:PrtPGS/Ppr Size] \\
\hline & These SPs count by print paper size the number of pages printed by the printer application. \\
\hline
\end{tabular}
\begin{tabular}{|l|l|}
\hline \multirow{3}{*}{8445} & [S:PrtPGS/Ppr Size] \\
\cline { 2 - 5 } & \begin{tabular}{l} 
These SPs count by print paper size the number of pages printed by the \\
scanner application.
\end{tabular} \\
\hline \multirow{3}{*}{} & [L:PrtPGS/Ppr Size] \\
\cline { 2 - 4 } & \begin{tabular}{l} 
These SPs count by print paper size the number of pages printed from within \\
the document server mode window at the operation panel.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{8447} & \multicolumn{3}{|l|}{[0:PrtPGS/Ppr Size]} \\
\hline & \multicolumn{3}{|l|}{These SPs count by print paper size the number of pages printed by Other applications.} \\
\hline 001 & A3 & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline 002 & A4 & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline 003 & A5 & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline 004 & B4 & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline 005 & B5 & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline 006 & DLT & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline 007 & LG & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline 008 & LT & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline 009 & HLT & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline 010 & Full Bleed & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline 254 & Other (Standard) & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline 255 & Other (Custom) & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline
\end{tabular}
- These counters do not distinguish between LEF and SEF.
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{8451} & \multicolumn{3}{|l|}{[PrtPGS/Ppr Tray]} \\
\hline & \multicolumn{3}{|l|}{These SPs count the number of sheets fed from each paper feed station.} \\
\hline 001 & Bypass Tray & *CTL & \begin{tabular}{l}
Bypass Tray \\
[0 to 99999999 / 0 / 1 / step]
\end{tabular} \\
\hline 002 & Tray 1 & *CTL & \multirow[t]{2}{*}{\begin{tabular}{l}
Copier \\
[0 to 99999999 / 0 / 1 / step]
\end{tabular}} \\
\hline 003 & Tray 2 & *CTL & \\
\hline 004 & Tray 3 & *CTL & \multirow[t]{2}{*}{\begin{tabular}{l}
Paper Tray Unit (Option) \\
[0 to 99999999 / 0 / 1 / step]
\end{tabular}} \\
\hline 005 & Tray 4 & *CTL & \\
\hline 006 & Tray 5 & *CTL & \begin{tabular}{l}
LCT (Option) \\
[0 to 99999999 / 0 / 1 / step]
\end{tabular} \\
\hline 007 & Tray 6 & *CTL & Currently not used. \\
\hline 008 & Tray 7 & *CTL & Currently not used. \\
\hline 009 & Tray 8 & *CTL & Currently not used. \\
\hline 010 & Tray 9 & *CTL & Currently not used. \\
\hline 011 & Tray 10 & *CTL & Currently not used. \\
\hline 012 & Tray 11 & *CTL & Currently not used. \\
\hline 013 & Tray 12 & *CTL & Currently not used. \\
\hline 014 & Tray 13 & *CTL & Currently not used. \\
\hline 015 & Tray 14 & *CTL & Currently not used. \\
\hline 016 & Tray 15 & *CTL & Currently not used. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|}
\hline \multirow[b]{2}{*}{8461} & [T:PrtPGS/Ppr Type] \\
\hline & \begin{tabular}{l}
These SPs count by paper type the number pages printed by all applications. \\
- These counters are not the same as the PM counter. The PM counter is based on feed timing to accurately measure the service life of the feed rollers. However, these counts are based on output timing. \\
- Blank sheets (covers, chapter covers, slip sheets) are also counted. \\
- During duplex printing, pages printed on both sides count as 1 , and a page printed on one side counts as 1 .
\end{tabular} \\
\hline \multirow[b]{2}{*}{8462} & [C:PrtPGS/Ppr Type] \\
\hline & These SPs count by paper type the number pages printed by the copy application. \\
\hline \multirow[b]{2}{*}{8463} & [F:PrtPGS/Ppr Type] \\
\hline & These SPs count by paper type the number pages printed by the fax application. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{8464} & \multicolumn{3}{|l|}{[P:PrtPGS/Ppr Type]} \\
\hline & \multicolumn{3}{|l|}{These SPs count by paper type the number pages printed by the printer application.} \\
\hline \multirow[b]{2}{*}{8466} & \multicolumn{3}{|l|}{[L:PrtPGS/Ppr Type]} \\
\hline & \multicolumn{3}{|l|}{These SPs count by paper type the number pages printed from within the document server mode window at the operation panel.} \\
\hline 001 & Normal & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline 002 & Recycled & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline 003 & Special & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline 004 & Thick & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline 005 & Normal (Back) & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline 006 & Thick (Back) & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline 007 & OHP & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline 008 & Other & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{8471} & \multicolumn{3}{|l|}{[PrtPGS/Mag]} \\
\hline & \multicolumn{3}{|l|}{These SPs count by magnification rate the number of pages printed.} \\
\hline 001 & < 49\% & *CTL & \multirow{5}{*}{[0 to 99999999 / 0 / 1 / step]} \\
\hline 002 & 50\% to 99\% & *CTL & \\
\hline 003 & 100\% & *CTL & \\
\hline 004 & 101\% to 200\% & *CTL & \\
\hline 005 & 201\% < & *CTL & \\
\hline
\end{tabular}

Counts are done for magnification adjusted for pages, not only on the operation panel but performed remotely with an external network application capable of performing magnification adjustment as well.
Magnification adjustments done with printer drivers with PC applications such as Excel are also counted.

Magnification adjustments done for adjustments after they have been stored on the document server are not counted.

Magnification adjustments performed automatically during Auto Reduce/Enlarge copying are counted.
The magnification rates of blank cover sheets, slip sheets, etc. are automatically assigned a rate of \(100 \%\).
\begin{tabular}{|c|c|c|c|}
\hline 8481 & [T:PrtPGS/TonSave] & *CTL & \multirow{2}{*}{[0 to 99999999 / 0 / 1 / step]} \\
\hline 8484 & [P:PrtPGS/TonSave] & *CTL & \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
These SPs count the number of pages printed with the Toner Save feature switched on. \\
Note: These SPs return the same results as this SP is limited to the Print application.
\end{tabular}} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 8491 & \multicolumn{3}{|l|}{[T:PrtPGS/Col Mode]} \\
\hline 8492 & \multicolumn{3}{|l|}{[C:PrtPGS/Col Mode]} \\
\hline 8493 & \multicolumn{3}{|l|}{[F:PrtPGS/Col Mode]} \\
\hline 8496 & \multicolumn{3}{|l|}{[L:PrtPGS/Col Mode]} \\
\hline 8497 & \multicolumn{3}{|l|}{[O:PrtPGS/Col Mode]} \\
\hline 001 & B/W & *CTL & \multirow{4}{*}{These SPs count the number of pages printed in the Color Mode by each application.} \\
\hline 002 & Single Color & *CTL & \\
\hline 003 & Two Color & *CTL & \\
\hline 004 & Full Color & *CTL & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 8501 & \multicolumn{3}{|l|}{[T:PrtPGS/Col Mode]} \\
\hline 8504 & \multicolumn{3}{|l|}{[P:PrtPGS/Col Mode]} \\
\hline 8507 & \multicolumn{3}{|l|}{[O:PrtPGS/Col Mode]} \\
\hline 001 & B/W & *CTL & \multirow{5}{*}{These SPs count the number of pages printed in the Color Mode by the print application.} \\
\hline 002 & Mono Color & *CTL & \\
\hline 003 & Full Color & *CTL & \\
\hline 004 & Single Color & *CTL & \\
\hline 005 & Two Color & *CTL & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{8511} & \multicolumn{3}{|l|}{[T:PrtPGS/Emul]} \\
\hline & \multicolumn{3}{|l|}{These SPs count by printer emulation mode the total number of pages printed.} \\
\hline \multirow[b]{2}{*}{8514} & \multicolumn{3}{|l|}{[P:PrtPGS/Emul]} \\
\hline & \multicolumn{3}{|l|}{These SPs count by printer emulation mode the total number of pages printed.} \\
\hline 001 & RPCS & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline 002 & RPDL & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline 003 & PS3 & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline 004 & R98 & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline 005 & R16 & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline 006 & GL/GL2 & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline 007 & R55 & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline 008 & RTIFF & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline 009 & PDF & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline 010 & PCL5e/5c & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline 011 & PCL XL & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline
\end{tabular}
\begin{tabular}{|c|l|c|l|}
\hline 012 & IPDL-C & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline 013 & BM-Links & \(*\) CTL & Japan Only \\
\hline 014 & Other & \(*\) CTL & {\([0\) to 99999999 / 0 / 1 / step] } \\
\hline 015 & IPDS & \(* C T L\) & {\([0\) to 99999999 / 0 / 1 / step] } \\
\hline
\end{tabular}
- SP8 511 and SP8 514 return the same results as they are both limited to the Print application.
- Print jobs output to the document server are not counted.
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{8521} & \multicolumn{3}{|l|}{[T:PrtPGS/FIN]} \\
\hline & \multicolumn{3}{|l|}{These SPs count by finishing mode the total number of pages printed by all applications.} \\
\hline \multirow[b]{2}{*}{8522} & \multicolumn{3}{|l|}{[C:PrtPGS/FIN]} \\
\hline & \multicolumn{3}{|l|}{These SPs count by finishing mode the total number of pages printed by the Copy application.} \\
\hline & \multicolumn{3}{|l|}{[F:PrtPGS/FIN]} \\
\hline 8523 & \multicolumn{3}{|l|}{\begin{tabular}{l}
These SPs count by finishing mode the total number of pages printed by the Fax application. \\
NOTE: Print finishing options for received faxes are currently not available.
\end{tabular}} \\
\hline & \multicolumn{3}{|l|}{[P:PrtPGS/FIN]} \\
\hline 8524 & \multicolumn{3}{|l|}{These SPs count by finishing mode the total number of pages printed by the Print application.} \\
\hline & \multicolumn{3}{|l|}{[S:PrtPGS/FIN]} \\
\hline 8525 & \multicolumn{3}{|l|}{These SPs count by finishing mode the total number of pages printed by the Scanner application.} \\
\hline & \multicolumn{3}{|l|}{[L:PrtPGS/FIN]} \\
\hline 8526 & \multicolumn{3}{|l|}{These SPs count by finishing mode the total number of pages printed from within the document server mode window at the operation panel.} \\
\hline 001 & Sort & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline 002 & Stack & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 003 & Staple & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline 004 & Booklet & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline 005 & Z-Fold & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline 006 & Punch & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline 007 & Other & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline \multirow{2}{*}{008} & Inside Fold & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline & \multicolumn{3}{|l|}{Half-Fold (FM2) (Multi Fold Unit)} \\
\hline \multirow{2}{*}{009} & Three-IN-Fold & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline & \multicolumn{3}{|l|}{Letter Fold-in (FM4) (Multi Fold Unit)} \\
\hline \multirow{2}{*}{010} & Three-OUT-Fold & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline & \multicolumn{3}{|l|}{Letter Fold-out (FM3) (Multi Fold Unit)} \\
\hline \multirow{2}{*}{011} & Four Fold & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline & \multicolumn{3}{|l|}{Double Parallel Fold (FM5) (Multi Fold Unit)} \\
\hline \multirow{2}{*}{012} & KANNON-Fold & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline & \multicolumn{3}{|l|}{Gate Fold (FM6) (Multi Fold Unit)} \\
\hline \multirow{2}{*}{013} & Perfect-Bind & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline & \multicolumn{3}{|l|}{Perfect Binder} \\
\hline \multirow{2}{*}{014} & Ring-Bind & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline & \multicolumn{3}{|l|}{Ring Binder} \\
\hline
\end{tabular}

\section*{(4) Note}
- If stapling is selected for finishing and the stack is too large for stapling, the unstapled pages are still counted.
- The counts for staple finishing are based on output to the staple tray, so jam recoveries are counted.
\begin{tabular}{|l|l|l|l|}
\hline 8531 & [Staples] & \(*\) CTL & \begin{tabular}{l} 
This SP counts the amount of staples \\
used by the machine. \\
{\([0\) to \(9999999 / 0 / 1 /\) step \(]\)}
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|c|l|}
\hline \multicolumn{2}{l|}{8551} & [T:FIN Books] & \multicolumn{3}{|l|}{} \\
\hline 001 & Perfect-Bind & \({ }^{*}\) CTL & Booklet finishing \\
\hline 002 & Ring-Bind & \({ }^{*}\) CTL & Not used \\
\hline
\end{tabular}
\begin{tabular}{|r|l|c|l|}
\hline 8552 & [C:FIN Books] & \multicolumn{3}{|l|}{} \\
\hline 001 & Perfect-Bind & \({ }^{*}\) CTL & Booklet finishing \\
\hline 002 & Ring-Bind & \({ }^{*}\) CTL & Not used \\
\hline
\end{tabular}
\begin{tabular}{|r|l|c|l|}
\hline \multicolumn{2}{l|}{8554} & [P:FIN Books] & \multicolumn{3}{|l|}{} \\
\hline 001 & Perfect-Bind & \({ }^{*}\) CTL & Booklet finishing \\
\hline 002 & Ring-Bind & \({ }^{*}\) CTL & Not used \\
\hline
\end{tabular}
\begin{tabular}{|r|l|c|l|}
\hline 8556 & [L:FIN Books] & \multicolumn{2}{|l|}{} \\
\hline 001 & Perfect-Bind & \({ }^{*}\) CTL & Booklet finishing \\
\hline 002 & Ring-Bind & \({ }^{*}\) CTL & Not used \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 8561 & \multicolumn{3}{|l|}{[T:A Sheet Of Paper]} \\
\hline 001 & Total: Over A3/DLT & *CTL & \multirow{4}{*}{[0 to 99999999 / 0 / 1]} \\
\hline 002 & Total: Under A3/DLT & *CTL & \\
\hline 003 & Duplex: Over A3/DLT & *CTL & \\
\hline 004 & Duplex: Under A3/DLT & *CTL & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 8562 & \multicolumn{3}{|l|}{[C:A Sheet Of Paper]} \\
\hline 001 & Total: Over A3/DLT & *CTL & \multirow{4}{*}{[0 to 99999999 / 0 / 1]} \\
\hline 002 & Total: Under A3/DLT & *CTL & \\
\hline 003 & Duplex: Over A3/DLT & *CTL & \\
\hline 004 & Duplex: Under A3/DLT & *CTL & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 8563 & \multicolumn{3}{|l|}{[ F : A Sheet Of Paper]} \\
\hline 001 & Total: Over A3/DLT & *CTL & \multirow{4}{*}{[0 to 99999999 / 0 / 1]} \\
\hline 002 & Total: Under A3/DLT & *CTL & \\
\hline 003 & Duplex: Over A3/DLT & *CTL & \\
\hline 004 & Duplex: Under A3/DLT & *CTL & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 8564 & \multicolumn{3}{|l|}{[ P : A Sheet Of Paper]} \\
\hline 001 & Total: Over A3/DLT & *CTL & \multirow{4}{*}{[0 to 99999999 / 0 / 1]} \\
\hline 002 & Total: Under A3/DLT & *CTL & \\
\hline 003 & Duplex: Over A3/DLT & *CTL & \\
\hline 004 & Duplex: Under A3/DLT & *CTL & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 8566 & \multicolumn{3}{|l|}{[L:A Sheet Of Paper]} \\
\hline 001 & Total: Over A3/DLT & *CTL & \multirow{4}{*}{[0 to 99999999 / 0 / 1]} \\
\hline 002 & Total: Under A3/DLT & *CTL & \\
\hline 003 & Duplex: Over A3/DLT & *CTL & \\
\hline 004 & Duplex: Under A3/DLT & *CTL & \\
\hline
\end{tabular}
\begin{tabular}{|r|l|c|l|}
\hline 8567 & [O:A Sheet Of Paper] & \multicolumn{2}{|l|}{} \\
\hline 001 & Total: Over A3/DLT & \({ }^{*} \mathrm{CTL}\) & \\
\hline 002 & Total: Under A3/DLT & \({ }^{*} \mathrm{CTL}\) & \multirow{3}{*}{ [0 to 99999999 / 0 / 1] } \\
\hline 003 & Duplex: Over A3/DLT & \({ }^{*} \mathrm{CTL}\) & \multirow{3}{|l|}{} \\
\hline 004 & Duplex: Under A3/DLT & \({ }^{*} \mathrm{CTL}\) & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{8581} & \multicolumn{3}{|l|}{[T:Counter]} \\
\hline & \multicolumn{3}{|l|}{These SPs count the total output broken down by color output, regardless of the application used. In addition to being displayed in the SMC Report, these counters are also displayed in the User Tools display on the copy machine.} \\
\hline 001 & Total & *CTL & \\
\hline 002 & Total: Full Color & *CTL & \\
\hline 003 & B\&W/Single Color & *CTL & \\
\hline 004 & Development: CMY & *CTL & \\
\hline 005 & Development: K & *CTL & \\
\hline 008 & Print: Color & *CTL & \\
\hline 009 & Print: B/W & *CTL & \\
\hline 010 & Total: Color & *CTL & \\
\hline 011 & Total: B/W & *CTL & \\
\hline 012 & Full Color: A3 & *CTL & \\
\hline 013 & Full Color: -B4 & *CTL & \\
\hline 014 & Full Color Print & *CTL & \\
\hline 015 & Mono Color Print & *CTL & \\
\hline 017 & Twin Color Mode Print & *CTL & \\
\hline 018 & Full Color Print (Twin) & *CTL & \\
\hline 019 & Mono Color Print (Twin) & *CTL & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 020 & Full Color Total (CV) & *CTL & \\
\hline 021 & Mono Color Total (CV) & *CTL & \multirow{6}{*}{[0 to 99999999 / 0 / 1]} \\
\hline 022 & Full Color Print (CV) & *CTL & \\
\hline 023 & Eco Color Print (FC) & *CTL & \\
\hline 024 & Eco Color Print (Bk) & *CTL & \\
\hline 025 & Total: Color (Eco Bk) & *CTL & \\
\hline 026 & Total: B/W (Eco Bk) & *CTL & \\
\hline 027 & Total: Color (Eco FC) & *CTL & \multirow{5}{*}{[0 to 99999999 / 0 / 1]} \\
\hline 028 & Development: CMY (A3) & *CTL & \\
\hline 029 & Development: K (A3) & *CTL & \\
\hline 030 & Total: Color (A3) & *CTL & \\
\hline 031 & Total: BW (A3) & *CTL & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{8582} & \multicolumn{3}{|l|}{[C:Counter]} \\
\hline & \multicolumn{3}{|l|}{These SPs count the total output of the copy application broken down by color output.} \\
\hline 001 & B/W & *CTL & \\
\hline 002 & Mono Color & *CTL & \\
\hline 003 & Full Color & *CTL & [0 to 99999999 / 0 / 1] \\
\hline 004 & Single Color & *CTL & \\
\hline 005 & Two Color & *CTL & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{8583} & \multicolumn{3}{|l|}{[F:Counter]} \\
\hline & \multicolumn{3}{|l|}{These SPs count the total output of the fax application broken down by color output.} \\
\hline 001 & B/W & *CTL & \multirow{5}{*}{[0 to 99999999 / 0 / 1]} \\
\hline 002 & Mono Color & *CTL & \\
\hline 003 & Full Color & *CTL & \\
\hline 004 & Single Color & *CTL & \\
\hline 005 & Two Color & *CTL & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{8584} & \multicolumn{3}{|l|}{[P:Counter]} \\
\hline & \multicolumn{3}{|l|}{These SPs count the total output of the print application broken down by color output.} \\
\hline 001 & B/W & *CTL & \\
\hline 002 & Mono Color & *CTL & \\
\hline 003 & Full Color & *CTL & [0 to 99999999 / 0 / 1] \\
\hline 004 & Single Color & *CTL & \\
\hline 005 & Two Color & *CTL & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{8586} & \multicolumn{3}{|l|}{[L:Counter]} \\
\hline & \multicolumn{3}{|l|}{These SPs count the total output of the local storage broken down by color output.} \\
\hline 001 & B/W & *CTL & \multirow{5}{*}{[0 to 99999999 / 0 / 1]} \\
\hline 002 & Mono Color & *CTL & \\
\hline 003 & Full Color & *CTL & \\
\hline 004 & Single Color & *CTL & \\
\hline 005 & Two Color & *CTL & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline & \multicolumn{3}{|l|}{[0:Counter]} \\
\hline 8591 & \multicolumn{3}{|l|}{These SPs count the totals for A3/DLT paper use, number of duplex pages printed, and the number of staples used. These totals are for Other ( O :) applications only.} \\
\hline 001 & A3/DLT & *CTL & \multirow{2}{*}{[0 to 99999999 / 0 / 1 / step]} \\
\hline 002 & Duplex & *CTL & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{8601} & \multicolumn{3}{|l|}{[T:CvgCounter]} \\
\hline & \multicolumn{3}{|l|}{These SPs count the total coverage for each color and the total printout pages for each printing mode.} \\
\hline 001 & Cvg: BW \% & *CTL & \multirow{2}{*}{[0 to 2147483647 / 0 / 1\% / step]} \\
\hline 002 & Cvg: FC \% & *CTL & \\
\hline 011 & Cvg: BW Pages & *CTL & [0 to 9999999 / 0 / 1 / step] \\
\hline 012 & Cvg: FC Pages & *CTL & [0 to 9999999 / 0 / 1 / step] \\
\hline 021 & CvgCounter 1 & *CTL & \multirow{3}{*}{[0 to 9999999 / 0 / 1 / step]} \\
\hline 022 & CvgCounter 2 & *CTL & \\
\hline 023 & CvgCounter 3 & *CTL & \\
\hline 031 & CvgCounter 1(YMC) & *CTL & [0 to 9999999 / 0 / 1 / step] \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|l|}
\hline 032 & CvgCounter 2(YMC) & *CTL & \\
\hline 033 & CvgCounter 3(YMC) & \({ }^{*}\) CTL & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{8602} & \multicolumn{3}{|l|}{[C:CvgCounter]} \\
\hline & \multicolumn{3}{|l|}{-} \\
\hline 001 & Cvg: B/W \% & *CTL & \multirow{4}{*}{[0 to 2147483647 / 0 / 1\% / step]} \\
\hline 002 & Cvg: Single Color \% & *CTL & \\
\hline 003 & Cvg: Two Color \% & *CTL & \\
\hline 004 & Cvg: Full Color \% & *CTL & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{8603} & \multicolumn{3}{|l|}{[ \(\mathrm{F}:\) CvgCounter]} \\
\hline & - & & \\
\hline 001 & Cvg: B/W \% & *CTL & \multirow{2}{*}{[0 to 2147483647 / 0 / 1\% / step]} \\
\hline 002 & Cvg: Single Color \% & *CTL & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{8604} & \multicolumn{3}{|l|}{[P:CvgCounter]} \\
\hline & \multicolumn{3}{|l|}{-} \\
\hline 001 & Cvg: B/W \% & *CTL & \multirow{4}{*}{[0 to 2147483647 / 0 / 1\% / step]} \\
\hline 002 & Cvg: Single Color \% & *CTL & \\
\hline 003 & Cvg: Two Color \% & *CTL & \\
\hline 004 & Cvg: Full Color \% & *CTL & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{8606} & \multicolumn{3}{|l|}{[L:CvgCounter]} \\
\hline & \multicolumn{3}{|l|}{-} \\
\hline 001 & Cvg: B/W \% & *CTL & \multirow{4}{*}{[0 to 2147483647 / 0 / 1\% / step]} \\
\hline 002 & Cvg: Single Color \% & *CTL & \\
\hline 003 & Cvg: Two Color \% & *CTL & \\
\hline 004 & Cvg: Full Color \% & *CTL & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{8617} & \multicolumn{3}{|l|}{[SDK Apli Counter]} \\
\hline & \multicolumn{3}{|l|}{These SPs count the total printout pages for each SDK application.} \\
\hline 001 & SDK-1 & *CTL & \multirow{6}{*}{[0 to 99999999 / 0 / 1 / step]} \\
\hline 002 & SDK-2 & *CTL & \\
\hline 003 & SDK-3 & *CTL & \\
\hline 004 & SDK-4 & *CTL & \\
\hline 005 & SDK-5 & *CTL & \\
\hline 006 & SDK-6 & *CTL & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{8621} & \multicolumn{3}{|l|}{Func Use Counter} \\
\hline & \multicolumn{3}{|l|}{-} \\
\hline 001 & Function-001 & *CTL & \multirow{5}{*}{[0 to 99999999 / 0 / 1 / step]} \\
\hline 002 & Function-002 & *CTL & \\
\hline 003 & Function-003 & *CTL & \\
\hline 004 & Function-004 & *CTL & \\
\hline 005 & Function-005 & *CTL & \\
\hline 006 & Function-006 & *CTL & \multirow{2}{*}{[0 to 99999999 / 0 / 1 / step]} \\
\hline 007 & Function-007 & *CTL & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 008 & Function-008 & *CTL & \\
\hline 009 & Function-009 & *CTL & \\
\hline 010 & Function-010 & *CTL & \\
\hline 011 & Function-011 & *CTL & \multirow{5}{*}{[0 to 99999999 / 0 / 1 / step]} \\
\hline 012 & Function-012 & *CTL & \\
\hline 013 & Function-013 & *CTL & \\
\hline 014 & Function-014 & *CTL & \\
\hline 015 & Function-015 & *CTL & \\
\hline 016 & Function-016 & *CTL & \multirow{5}{*}{[0 to 99999999 / 0 / 1 / step]} \\
\hline 017 & Function-017 & *CTL & \\
\hline 018 & Function-018 & *CTL & \\
\hline 019 & Function-019 & *CTL & \\
\hline 020 & Function-020 & *CTL & \\
\hline 021 & Function-021 & *CTL & \multirow{5}{*}{[0 to 99999999 / 0 / 1 / step]} \\
\hline 022 & Function-022 & *CTL & \\
\hline 023 & Function-023 & *CTL & \\
\hline 024 & Function-024 & *CTL & \\
\hline 025 & Function-025 & *CTL & \\
\hline 026 & Function-026 & *CTL & \multirow{5}{*}{[0 to 99999999 / 0 / 1 / step]} \\
\hline 027 & Function-027 & *CTL & \\
\hline 028 & Function-028 & *CTL & \\
\hline 029 & Function-029 & *CTL & \\
\hline 030 & Function-030 & *CTL & \\
\hline 031 & Function-031 & *CTL & \multirow{3}{*}{[0 to 99999999 / 0 / 1 / step]} \\
\hline 032 & Function-032 & *CTL & \\
\hline 033 & Function-033 & *CTL & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 034 & Function-034 & *CTL & \\
\hline 035 & Function-035 & *CTL & \\
\hline 036 & Function-036 & *CTL & \\
\hline 037 & Function-037 & *CTL & \\
\hline 038 & Function-038 & *CTL & \\
\hline 039 & Function-039 & *CTL & \\
\hline 040 & Function-040 & *CTL & \\
\hline 041 & Function-041 & *CTL & \\
\hline 042 & Function-042 & *CTL & \\
\hline 043 & Function-043 & *CTL & \\
\hline 044 & Function-044 & *CTL & \\
\hline 045 & Function-045 & *CTL & \\
\hline 046 & Function-046 & *CTL & \\
\hline 047 & Function-047 & *CTL & \\
\hline 048 & Function-048 & *CTL & \\
\hline 049 & Function-049 & *CTL & \\
\hline 050 & Function-050 & *CTL & \\
\hline 051 & Function-051 & *CTL & \\
\hline 052 & Function-052 & *CTL & \\
\hline 053 & Function-053 & *CTL & \\
\hline 054 & Function-054 & *CTL & \\
\hline 055 & Function-055 & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline 056 & Function-056 & *CTL & \\
\hline 057 & Function-057 & *CTL & \\
\hline 058 & Function-058 & *CTL & \\
\hline 059 & Function-059 & *CTL & \\
\hline
\end{tabular}
\begin{tabular}{|c|l|c|l|}
\hline 060 & Function-060 & \({ }^{*} \mathrm{CTL}\) & \\
\hline 061 & Function-061 & \({ }^{*} \mathrm{CTL}\) & \\
\hline 062 & Function-062 & \({ }^{*} \mathrm{CTL}\) & \\
\hline 0. & [0 to 99999999 / 0 / 1 / step] \\
\hline 063 & Function-063 & \({ }^{*} \mathrm{CTL}\) & \\
\hline 064 & Function-064 & \({ }^{*} \mathrm{CTL}\) & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{8631} & \multicolumn{3}{|l|}{[T:FAX TX PGS]} \\
\hline & \multicolumn{3}{|l|}{These SPs count by color mode the number of pages sent by fax to a telephone number.} \\
\hline 001 & B/W & *CTL & [0 to 9999999 / 0 / 1 step] \\
\hline 002 & Color & *CTL & [0 to 9999999 / 0 / 1 step] \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{3}{*}{\(\mathbf{8 6 3 3}\)} & \multicolumn{3}{|l|}{ [F:FAX TX PGS] } \\
\cline { 2 - 4 } & \begin{tabular}{l} 
These SPs count by color mode the number of pages sent by fax to a \\
telephone number.
\end{tabular} \\
\hline 001 & B/W & \(*\) CTL & {\([0\) to \(9999999 / 0 / 1\) step] } \\
\hline 002 & Color & \(*\) CTL & {\([0\) to \(9999999 / 0 / 1\) step] } \\
\hline
\end{tabular}
- If a document has color and black-and-white pages mixed, the pages are counted separately as B/W or Color.
- At the present time, this feature is provided for the Fax application only so SP8631 and SP8633 are the same.
- The counts include error pages.
- If a document is sent to more than one destination with a Group transmission, the count is done for each destination.
- Polling transmissions are counted but polling RX are not.
- Relay, memory, and confidential mailbox transmissions and are counted for each destination.
\begin{tabular}{|r|l|c|l|}
\hline \multirow{3}{*}{8641} & \multicolumn{3}{|l|}{ [T:IFAX TX PGS] } \\
\cline { 2 - 4 } & \begin{tabular}{l} 
These SPs count by color mode the number of pages sent by fax to as fax \\
images using I-Fax.
\end{tabular} \\
\hline 001 & B/W & \(*\) CTL & {\([0\) to \(9999999 / 0 / 1\) step \(]\)} \\
\hline 002 & Color & \(* C T L\) & {\([0\) to \(9999999 / 0 / 1\) step \(]\)} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|c|l|}
\hline \multirow{3}{*}{8643} & \multicolumn{3}{|l|}{\(\left[\begin{array}{l}\text { [F:IFAX TX PGS }]\end{array}\right.\)} \\
\cline { 2 - 4 } & \begin{tabular}{l} 
These SPs count by color mode the number of pages sent by Fax as fax \\
images using I-Fax.
\end{tabular} \\
\hline 001 & B/W & *CTL & {\([0\) to 9999999 / 0 / 1 step] } \\
\hline 002 & Color & *CTL & {\([0\) to 9999999 / 0 / 1 step] } \\
\hline
\end{tabular}
- If a document has color and black-and-white pages mixed, the pages are counted separately as B/W or Color.
- At the present time, this feature is provided for the Fax application only so SP8641 and SP8643 are the same.
- The counts include error pages.
- If a document is sent to more than one destination with a Group transmission, the count is done for each destination.
- Polling transmissions are counted but polling RX are not.
- Relay, memory, and confidential mailbox transmissions and are counted for each destination.
\begin{tabular}{|r|l|l|l|}
\hline \multirow{3}{*}{8651} & \multicolumn{3}{|l|}{ [T:S-to-Email PGS] } \\
\cline { 2 - 4 } & \multicolumn{3}{|l|}{\begin{tabular}{l} 
These SPs count by color mode the total number of pages attached to an \\
e-mail for both the Scan and document server applications.
\end{tabular}} \\
\hline 001 & B/W & *CTL & [0 to 9999999 / 0 / 1 step] \\
\hline 002 & Color & *CTL & [0 to 9999999 / 0 / 1 step] \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{3}{*}{8655} & \multicolumn{3}{|l|}{ [S:S-to-Email PGS] } \\
\cline { 2 - 4 } & \begin{tabular}{l} 
These SPs count by color mode the total number of pages attached to an \\
e-mail for both the Scan and document server applications.
\end{tabular} \\
\hline 001 & B/W & \(*\) CTL & {\([0\) to \(9999999 / 0 / 1\) step \(]\)} \\
\hline 002 & Color & \(*\) CTL & {\([0\) to \(9999999 / 0 / 1\) step] } \\
\hline
\end{tabular}

\section*{(1) Note} )
- The count for B/W and Color pages is done after the document is stored on the HDD. If the job is cancelled before it is stored, the pages are not counted.
- If Scan-to-Email is used to send a 10-page document to 5 addresses, the count is 10 (the pages are sent to the same SMTP server together).
- If Scan-to-PC is used to send a 10-page document to 5 folders, the count is 50 (the document is sent to each destination of the SMB/FTP server).
- Due to restrictions on some devices, if Scan-to-Email is used to send a 10-page document to a large number of destinations, the count may be divided and counted separately. For example, if a 10-page document is sent to 200 addresses, the count is 10 for the first 100 destinations and the count is also 10 for the second 100 destinations, for a total of 20.).
\begin{tabular}{|r|l|l|l|}
\hline \multirow{3}{*}{\(\mathbf{8 6 6 1}\)} & \multicolumn{3}{|l|}{ [T:Deliv PGS/Svr] } \\
\cline { 2 - 4 } & \begin{tabular}{l} 
These SPs count by color mode the total number of pages sent to a Scan \\
Router server by both Scan and LS applications.
\end{tabular} \\
\hline 001 & B/W & \(*\) CTL & [0 to 9999999 / 0 / 1 step] \\
\hline 002 & Color & \(*\) CTL & {\([0\) to 9999999 / 0 / 1 step] } \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{8665} & \multicolumn{3}{|l|}{[S:Deliv PGS/Svr]} \\
\hline & \multicolumn{3}{|l|}{These SPs count by color mode the total number of pages sent to a Scan Router server by the Scan application.} \\
\hline 001 & B/W & *CTL & [0 to 9999999 / 0 / 1 step] \\
\hline 002 & Color & *CTL & [0 to 9999999 / 0 / 1 step] \\
\hline
\end{tabular}

\section*{Main SP Tables-8}

\section*{(1) Note}
- The B/W and Color counts are done after the document is stored on the HDD of the Scan Router server.
- If the job is canceled before storage on the Scan Router server finishes, the counts are not done.
- The count is executed even if regardless of confirmation of the arrival at the Scan Router server.
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{8671} & \multicolumn{3}{|l|}{[T:Deliv PGS/PC]} \\
\hline & \multicolumn{3}{|l|}{These SPs count by color mode the total number of pages sent to a folder on a PC (Scan-to-PC) with the Scan and LS applications.} \\
\hline \multirow[b]{2}{*}{8675} & \multicolumn{3}{|l|}{[S: Deliv PGS/PC]} \\
\hline & \multicolumn{3}{|l|}{These SPs count by color mode the total number of pages sent with Scan-to-PC with the Scan application.} \\
\hline 001 & B/W & *CTL & [0 to 9999999 / 0 / 1 step] \\
\hline 002 & Color & *CTL & [0 to 9999999 / 0 / 1 step] \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|l|}
\hline \(\mathbf{8 6 8 1}\) & [T:PCFAX TXPGS] & *CTL & \begin{tabular}{l} 
These SPs count the number of pages \\
sent by PC Fax. These SPs are \\
provided for the Fax application only, so \\
the counts for SP8 681 and SP8 683 \\
are the same. \\
[0 to \(9999999 / 0 / 1 /\) step]
\end{tabular} \\
\hline \(\mathbf{8 6 8 3}\) & [F:PCFAX TXPGS] & *CTL
\end{tabular}
- This counts pages sent from a PC using a PC fax application, from the PC through the copier to the destination.
- When sending the same message to more than one place using broadcasting, the pages are only counted once. (For example, a 10-page fax is sent to location A and location B. The counter goes up by 10 , not 20.)
\begin{tabular}{|l|l|l|l|}
\hline \(\mathbf{8 6 9 1}\) & [T:TX PGS/LS] & \({ }^{*}\) CTL & \begin{tabular}{l} 
These SPs count the number of pages \\
sent from the document server. The
\end{tabular} \\
\hline \(\mathbf{8 6 9 2}\) & [C:TX PGS/LS] & *CTL \\
counter for the application that was \\
used to store the pages is incremented. \\
[0 to 9999999/ 0/1/step] \\
The L: counter counts the number of \\
pages stored from within the document \\
server mode screen at the operation \\
panel. Pages stored with the Store File \\
button from within the Copy mode \\
screen go to the C: counter.
\end{tabular}

\section*{D Note}
- Print jobs done with Web Image Monitor and Desk Top Binder are added to the count.
- If several documents are merged for sending, the number of pages stored are counted for the application that stored them.
- When several documents are sent by a Fax broadcast, the F: count is done for the number of pages sent to each destination.
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{8701} & \multicolumn{3}{|l|}{[TX PGS/Port]} \\
\hline & \multicolumn{3}{|l|}{These SPs count the number of pages sent by the physical port used to send them. For example, if a 3-page original is sent to 4 destinations via ISDN G4, the count for ISDN (G3, G4) is 12.} \\
\hline 001 & PSTN-1 & *CTL & [0 to 9999999/ 0 / 1 / step] \\
\hline 002 & PSTN-2 & *CTL & [0 to 9999999/ 0 / 1 / step] \\
\hline 003 & PSTN-3 & *CTL & [0 to 9999999/ 0 / 1 / step] \\
\hline 004 & ISDN (G3,G4) & *CTL & [0 to 9999999/0/1/ step] \\
\hline 005 & Network & *CTL & [0 to 9999999/ 0 / 1 / step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 8711 & \multicolumn{3}{|l|}{[T:Scan PGS/Comp]} \\
\hline \multirow{2}{*}{8715} & \multicolumn{3}{|l|}{[S:Scan PGS/Comp]} \\
\hline & \multicolumn{3}{|l|}{These SPs count the number of pages sent by each compression mode.} \\
\hline 001 & JPEG/JPEG2000 & *CTL & [0 to 9999999/0 / 1 / step] \\
\hline 002 & TIFF(Multi/Single) & *CTL & [0 to 9999999/0 / 1 / step] \\
\hline 003 & PDF & *CTL & [0 to 9999999/0 / 1 / step] \\
\hline 004 & Other & *CTL & [0 to 9999999/0 / 1 / step] \\
\hline 005 & PDF/Comp & *CTL & [0 to 9999999/0 / 1 / step] \\
\hline 006 & PDF/A & *CTL & [0 to 9999999/0 / 1 / step] \\
\hline 007 & PDF(OCR) & *CTL & [0 to 9999999/ 0 / 1 / step] \\
\hline 008 & PDF/Comp(OCR) & *CTL & [0 to 9999999/0 / 1 / step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 8721 & \multicolumn{3}{|l|}{[T:Deliv PGS/WSD]} \\
\hline & \multicolumn{3}{|l|}{[S: Dvliv PGS/WSD]} \\
\hline & \multicolumn{3}{|l|}{These SPs count the number of pages scanned by each scanner mode.} \\
\hline 001 & B/W & *CTL & [0 to 9999999/ 0 / 1 / step] \\
\hline 002 & Color & *CTL & [0 to 9999999/ 0 / 1 / step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 8731 & \multicolumn{3}{|l|}{[T:Scan PGS/Media]} \\
\hline & \multicolumn{3}{|l|}{[S:Scan PGS/Media]} \\
\hline 8735 & \multicolumn{3}{|l|}{These SPs count the number of pages scanned and saved in a meia by each scanner mode.} \\
\hline 001 & B/W & *CTL & [0 to 9999999/ 0 / 1 / step] \\
\hline 002 & Color & *CTL & [0 to 9999999/ 0 / 1 / step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{8741} & \multicolumn{3}{|l|}{[RX PGS/Port]} \\
\hline & \multicolumn{3}{|l|}{These SPs count the number of pages received by the physical port used to receive them.} \\
\hline 001 & PSTN-1 & *CTL & [0 to 9999999/ 0 / 1 / step] \\
\hline 002 & PSTN-2 & *CTL & [0 to 9999999/ 0 / 1 / step] \\
\hline 003 & PSTN-3 & *CTL & [0 to 9999999/ 0 / 1 / step] \\
\hline 004 & ISDN (G3,G4) & *CTL & [0 to 9999999/ 0 / 1 / step] \\
\hline 005 & Network & *CTL & [0 to 9999999/ 0 / 1 / step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{8771} & \multicolumn{3}{|l|}{[Dev Counter]} \\
\hline & \multicolumn{3}{|l|}{These SPs count the frequency of use (number of rotations of the development rollers) for black and other color toners.} \\
\hline 001 & Total & *CTL & \multirow{5}{*}{[0 to 99999999 / 0 / 1 / step]} \\
\hline 002 & K & *CTL & \\
\hline 003 & Y & *CTL & \\
\hline 004 & M & *CTL & \\
\hline 005 & C & *CTL & \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{3}{*}{\(\mathbf{8 7 8 1}\)} & Toner_Bottle_Info. & *ENG & [0 to 9999999 / 0 / 1 / step] \\
\cline { 2 - 3 } & \multicolumn{2}{|l|}{\begin{tabular}{l} 
These SPs display the number of already replaced toner bottles. \\
NOTE: Currently, the data in SP7-833-011 through 014 and the data in \\
SP8-781-001 through 004 \\
are the same.
\end{tabular}} \\
\hline 001 & Toner: BK & The number of black-toner bottles \\
\hline 002 & Toner: Y & The number of yellow-toner bottles \\
\hline 003 & Toner: M & The number of magenta-toner bottles \\
\hline 004 & Toner: C & The number of cyan-toner bottles \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|l|}
\hline 8791 & [LS Memory Remain] & *CTL & \begin{tabular}{l} 
This SP displays the percent of space \\
available on the document server for \\
storing documents. \\
{\([0\) to \(100 / 0 / 1 /\) step \(]\)}
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{8801} & \multicolumn{3}{|l|}{[Toner Remain]} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
These SPs display the percent of toner remaining for each color. This SP allows the user to check the toner supply at any time. \\
Note: This precise method of measuring remaining toner supply ( \(1 \%\) steps) is better than other machines in the market that can only measure in increments of 10 ( \(10 \%\) steps).
\end{tabular}} \\
\hline 001 & K & *CTL & \\
\hline 002 & Y & *CTL & \\
\hline 003 & M & *CTL & \\
\hline 004 & C & *CTL & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{8811} & \multicolumn{3}{|l|}{[Eco Counter]} \\
\hline & \multicolumn{3}{|l|}{-} \\
\hline 001 & Eco Total & *CTL & \multirow{5}{*}{[0 to 99999999 / 0 / 1 / step]} \\
\hline 002 & Color & *CTL & \\
\hline 003 & Full Color & *CTL & \\
\hline 004 & Duplex & *CTL & \\
\hline 005 & Combine & *CTL & \\
\hline 006 & Color (\%) & *CTL & \multirow{5}{*}{[0 to 100 / 0 / 1\% / step]} \\
\hline 007 & Full Color (\%) & *CTL & \\
\hline 008 & Duplex (\%) & *CTL & \\
\hline 009 & Combine (\%) & *CTL & \\
\hline 010 & Paper Cut (\%) & *CTL & \\
\hline 101 & Eco Totalr:Last & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 102 & Color:Last & *CTL & \\
\hline 103 & Full Color:Last & *CTL & \\
\hline 104 & Duplex:Last & *CTL & \\
\hline 105 & Combine:Last & *CTL & \\
\hline 106 & Color(\%):Last & *CTL & \multirow{5}{*}{[0 to 100 / 0 / 1\% / step]} \\
\hline 107 & Full Color (\%):Last & *CTL & \\
\hline 108 & Duplex (\%):Last & *CTL & \\
\hline 109 & Combine (\%):Last & *CTL & \\
\hline 110 & Paper Cut (\%):Last & *CTL & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{8851} & \multicolumn{3}{|l|}{[Cur Cnt: 0-10\%]} \\
\hline & \multicolumn{3}{|l|}{These SPs display the number of scanned sheets on which the coverage of each color is from \(0 \%\) to \(10 \%\).} \\
\hline 011 & 0 to 2\%: BK & *ENG & \multirow{4}{*}{[0 to 99999999 / 0 / 1 / step]} \\
\hline 012 & 0 to 2\%: Y & *ENG & \\
\hline 013 & 0 to 2\%: M & *ENG & \\
\hline 014 & 0 to 2\%: C & *ENG & \\
\hline 021 & 3 to 4\%: BK & *ENG & \multirow{4}{*}{[0 to 99999999 / 0 / 1 / step]} \\
\hline 022 & 3 to 4\%: Y & *ENG & \\
\hline 023 & 3 to 4\%: M & *ENG & \\
\hline 024 & 3 to 4\%: C & *ENG & \\
\hline 031 & 5 to 7\%: BK & *ENG & \multirow{4}{*}{[0 to 99999999 / 0 / 1 / step]} \\
\hline 032 & 5 to 7\%: Y & *ENG & \\
\hline 033 & 5 to 7\%: M & *ENG & \\
\hline 034 & 5 to 7\%: C & *ENG & \\
\hline 041 & 8 to 10\%: BK & *ENG & [0 to 99999999 / 0 / 1 / step] \\
\hline
\end{tabular}
\begin{tabular}{|c|l|l|l|}
\hline 042 & 8 to \(10 \%: \mathrm{Y}\) & *ENG & \\
\hline 043 & 8 to \(10 \%: \mathrm{M}\) & *ENG & \\
\hline 044 & 8 to \(10 \%: \mathrm{C}\) & *ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline & \multicolumn{3}{|l|}{[Cvr Cnt: 11-20\%]} \\
\hline 8861 & \multicolumn{3}{|l|}{These SPs display the number of scanned sheets on which the coverage of each color is from \(11 \%\) to \(20 \%\).} \\
\hline 001 & BK & *ENG & \multirow{4}{*}{[0 to 99999999 / 0 / 1 / step]} \\
\hline 002 & Y & *ENG & \\
\hline 003 & M & *ENG & \\
\hline 004 & C & *ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline & \multicolumn{3}{|l|}{[Cvr Cnt: 21-30\%]} \\
\hline 8871 & \multicolumn{3}{|l|}{These SPs display the number of scanned sheets on which the coverage of each color is from \(21 \%\) to \(30 \%\).} \\
\hline 001 & BK & *ENG & \multirow{4}{*}{[0 to 99999999 / 0 / 1 / step]} \\
\hline 002 & Y & *ENG & \\
\hline 003 & M & *ENG & \\
\hline 004 & C & *ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline & \multicolumn{3}{|l|}{[Cvr Cnt: 31\%-]} \\
\hline 8881 & \multicolumn{3}{|l|}{These SPs display the number of scanned sheets on which the coverage of each color is \(31 \%\) or higher.} \\
\hline 001 & BK & *ENG & \multirow{4}{*}{[0 to 99999999 / 0 / 1 / step]} \\
\hline 002 & Y & *ENG & \\
\hline 003 & M & *ENG & \\
\hline 004 & C & *ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{8891} & \multicolumn{3}{|l|}{[Page/Toner Bottle]} \\
\hline & \multicolumn{3}{|l|}{These SPs display the amount of the remaining current toner for each color.} \\
\hline 001 & BK & *ENG & \multirow{4}{*}{[0 to 99999999 / 0 / 1 / step]} \\
\hline 002 & Y & *ENG & \\
\hline 003 & M & *ENG & \\
\hline 004 & C & *ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{8901} & \multicolumn{3}{|l|}{[Page/Ink_prev1]} \\
\hline & \multicolumn{3}{|l|}{These SPs display the amount of the remaining previous toner for each color.} \\
\hline 001 & BK & *ENG & \multirow{4}{*}{[0 to 99999999 / 0 / 1 / step]} \\
\hline 002 & Y & *ENG & \\
\hline 003 & M & *ENG & \\
\hline 004 & C & *ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline & \multicolumn{3}{|l|}{[Page/Ink_prev2]} \\
\hline 8911 & \multicolumn{3}{|l|}{These SPs display the amount of the remaining 2nd previous toner for each color.} \\
\hline 001 & BK & *ENG & \multirow{4}{*}{[0 to 99999999 / 0 / 1 / step]} \\
\hline 002 & Y & *ENG & \\
\hline 003 & M & *ENG & \\
\hline 004 & C & *ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{8921} & \multicolumn{3}{|l|}{[Cvr Cnt/Total]} \\
\hline & \multicolumn{3}{|l|}{Displays the total coverage and total printout number for each color.} \\
\hline 001 & Coverage (\%) Bk & *CTL & \multirow{3}{*}{[0 to 2147483647 / 0 / 1\% / step]} \\
\hline 002 & Coverage (\%) Y & *CTL & \\
\hline 003 & Coverage (\%) M & *CTL & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 004 & Coverage (\%) C & *CTL & \\
\hline 011 & Coverage /P: Bk & *CTL & \multirow{4}{*}{[0 to 99999999 / 0 / 1 / step]} \\
\hline 012 & Coverage /P: Y & *CTL & \\
\hline 013 & Coverage /P: M & *CTL & \\
\hline 014 & Coverage /P: C & *CTL & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{8941} & \multicolumn{3}{|l|}{[Machine Status]} \\
\hline & \multicolumn{3}{|l|}{These SPs count the amount of time the machine spends in each operation mode. These SPs are useful for customers who need to investigate machine operation for improvement in their compliance with ISO Standards.} \\
\hline \multirow[b]{2}{*}{001} & Operation Time & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline & \multicolumn{3}{|l|}{Engine operation time. Does not include time while controller is saving data to HDD (while engine is not operating).} \\
\hline \multirow[b]{2}{*}{002} & Standby Time & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline & \multicolumn{3}{|l|}{Engine not operating. Includes time while controller saves data to HDD. Does not include time spent in Energy Save, Low Power, or Off modes.} \\
\hline \multirow{2}{*}{003} & Energy Save Time & *CTL & [0 to 99999999 / 0 / 10 / step] \\
\hline & \multicolumn{3}{|l|}{Includes time while the machine is performing background printing.} \\
\hline \multirow[b]{2}{*}{004} & Low Power Time & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline & \multicolumn{3}{|l|}{Includes time in Energy Save mode with Engine on. Includes time while machine is performing background printing.} \\
\hline \multirow[b]{2}{*}{005} & Off Mode Time & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline & \multicolumn{3}{|l|}{Includes time while machine is performing background printing. Does not include time machine remains powered off with the power switches.} \\
\hline \multirow{2}{*}{006} & SC & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline & \multicolumn{3}{|l|}{Total time when SC errors have been staying.} \\
\hline \multirow{2}{*}{007} & PrtJam & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline & \multicolumn{3}{|l|}{Total time when paper jams have been staying during printing.} \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|l|}
\hline \multirow{3}{*}{008} & OrgJam & \(*\) CTL & {\([0\) to 99999999 / 0 / 1 / step] } \\
\cline { 2 - 5 } & \multicolumn{3}{|l|}{ Total time when original jams have been staying during scanning. } \\
\hline \multirow{3}{*}{009} & Supply PM Unit End & \(*\) CTL & {\([0\) to 99999999 / 0 / 1 / step] } \\
\cline { 2 - 4 } & \multicolumn{3}{|l|}{ Total time when toner end has been staying } \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{8951} & \multicolumn{3}{|l|}{[AddBook Register]} \\
\hline & \multicolumn{3}{|l|}{These SPs count the number of events when the machine manages data registration.} \\
\hline \multirow{2}{*}{001} & User Code/User ID & *CTL & [0 to 9999999/ 0 / 1 / step] \\
\hline & \multicolumn{3}{|l|}{User code registrations.} \\
\hline \multirow{2}{*}{002} & Mail Address & *CTL & [0 to 9999999/ 0 / 1 / step] \\
\hline & \multicolumn{3}{|l|}{Mail address registrations.} \\
\hline \multirow{2}{*}{003} & Fax Destination & *CTL & [0 to 9999999/ 0 / 1 / step] \\
\hline & \multicolumn{3}{|l|}{Fax destination registrations.} \\
\hline \multirow{2}{*}{004} & Group & *CTL & [0 to 9999999/ 0 / 1 / step] \\
\hline & \multicolumn{3}{|l|}{Group destination registrations.} \\
\hline \multirow{2}{*}{005} & Transfer Request & *CTL & [0 to 9999999/ 0 / 1 / step] \\
\hline & \multicolumn{3}{|l|}{Fax relay destination registrations for relay TX.} \\
\hline \multirow{2}{*}{006} & F-Code & *CTL & [0 to 9999999/ 0 / 1 / step] \\
\hline & \multicolumn{3}{|l|}{F-Code box registrations.} \\
\hline \multirow{2}{*}{007} & Copy Program & *CTL & [0 to 255 / 0 / 255 / step] \\
\hline & \multicolumn{3}{|l|}{Copy application registrations with the Program (job settings) feature.} \\
\hline \multirow{2}{*}{008} & Fax Program & *CTL & [0 to 255 / 0 / 255 / step] \\
\hline & \multicolumn{3}{|l|}{Fax application registrations with the Program (job settings) feature.} \\
\hline \multirow{2}{*}{009} & Printer Program & *CTL & [0 to 255 / 0 / 255 / step] \\
\hline & \multicolumn{3}{|l|}{Printer application registrations with the Program (job settings) feature.} \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|l|}
\hline \multirow{3}{*}{010} & Scanner Program & \(*\) CTL & [0 to \(255 / 0 / 255 /\) step \(]\) \\
\cline { 2 - 4 } & \multicolumn{3}{|l|}{ Scanner application registrations with the Program (job settings) feature. } \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{8961} & \multicolumn{3}{|l|}{[Electricity Status]} \\
\hline & \multicolumn{3}{|l|}{-} \\
\hline 001 & Ctrl Standby Time & *CTL & \multirow{4}{*}{[0 to 99999999 / 0 / 1 / step]} \\
\hline 002 & STR Time & *CTL & \\
\hline 003 & Main Power Off Time & *CTL & \\
\hline 004 & Reading and Printing Time & *CTL & \\
\hline 005 & Printing Time & *CTL & \multirow{7}{*}{[0 to 99999999 / 0 / 1 / step]} \\
\hline 006 & Reading Time & *CTL & \\
\hline 007 & Eng Waiting Time & *CTL & \\
\hline 008 & Low Power State Time & *CTL & \\
\hline 009 & Silent State Time & *CTL & \\
\hline 010 & Heater Off State Time & *CTL & \\
\hline 011 & LCD on Time & *CTL & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{8971} & \multicolumn{3}{|l|}{[Unit Control]} \\
\hline & \multicolumn{3}{|l|}{-} \\
\hline 001 & \begin{tabular}{l}
Engine Off Recovery \\
Count
\end{tabular} & *CTL & \multirow{3}{*}{[0 to 99999999 / 0 / 1 / step]} \\
\hline 002 & Power Off Count & *CTL & \\
\hline 003 & Force Power Off Count & *CTL & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{8999} & \multicolumn{3}{|l|}{[AdminCounter]} \\
\hline & \multicolumn{3}{|l|}{Displays each total print out and total coverage.} \\
\hline 001 & Total & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline 002 & Copy: Full Color & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline 003 & Copy: BW & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline 004 & Copy: Single Color & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline 005 & Copy: Two Color & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline 006 & Printer: Full Color & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline 007 & Printer: BW & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline 008 & Printer: Single Color & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline 009 & Printer: Two Color & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline 010 & Fax Print: BW & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline 012 & A3/DLT & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline 013 & Duplex & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline 022 & Copy: Full Color (\%) & *CTL & [0 to 2147483647 / 0 / 1\% / step] \\
\hline 023 & Copy: BW (\%) & *CTL & [0 to 2147483647 / 0 / 1\% / step] \\
\hline 024 & Copy: Single Color (\%) & *CTL & [0 to 2147483647 / 0 / 1\% / step] \\
\hline 025 & Copy: Two Color (\%) & *CTL & [0 to 2147483647 / 0 / 1\% / step] \\
\hline 026 & Printer: Full Color (\%) & *CTL & [0 to 2147483647 / 0 / 1\% / step] \\
\hline 027 & Printer: BW (\%) & *CTL & [0 to 2147483647 / 0 / 1\% / step] \\
\hline 028 & Printer: Single Color (\%) & *CTL & [0 to 2147483647 / 0 / 1\% / step] \\
\hline 029 & Printer: Two Color (\%) & *CTL & [0 to 2147483647 / 0 / 1\% / step] \\
\hline 030 & Fax Print: BW (\%) & *CTL & [0 to 2147483647 / 0 / 1\% / step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 101 & Transmission Total: Color & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline 102 & Transmission Total: BW & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline 103 & Fax Transmission & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline 104 & \begin{tabular}{l}
Scanner Transmission: \\
Color
\end{tabular} & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline 105 & \begin{tabular}{l}
Scanner Transmission: \\
BW
\end{tabular} & *CTL & [0 to 99999999 / 0 / 1 / step] \\
\hline
\end{tabular}

\subsection*{2.11 PRINTER SP MODE}
2.11.1 SP1-XXX (SERVICE MODE)
\begin{tabular}{|c|c|c|c|c|}
\hline 1001 & \multicolumn{4}{|l|}{[Bit Switch]} \\
\hline \multirow[t]{12}{*}{001} & \multicolumn{2}{|l|}{Bit Switch 1 Setting} & 0 & 1 \\
\hline & bit 0 & DFU & - & - \\
\hline & bit 1 & DFU & - & - \\
\hline & bit 2 & DFU & - & - \\
\hline & bit 3 & No I/O Timeout & Disabled & Enabled \\
\hline & & \multicolumn{3}{|l|}{Enables/Disables MFP I/O Timeouts. If enabled, the MFP I/O Timeout setting will have no affect. I/O Timeouts will never occur.} \\
\hline & bit 4 & SD Card Save Mode & Disabled & Enabled \\
\hline & & \multicolumn{3}{|l|}{If this bit switch is enabled, print jobs will be saved to the GW SD slot and not output to paper.} \\
\hline & bit 5 & DFU & - & - \\
\hline & bit 6 & DFU & - & - \\
\hline & bit 7 & [RPCS,PCL]: Printable area frame border & Disabled & Enabled \\
\hline & & \multicolumn{3}{|l|}{Prints all RPCS and PCL jobs with a border around the printable area.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|}
\hline 1001 & \multicolumn{4}{|l|}{[Bit Switch]} \\
\hline \multirow[t]{12}{*}{002} & \multicolumn{2}{|l|}{Bit Switch 2 Setting} & 0 & 1 \\
\hline & bit 0 & DFU & - & - \\
\hline & bit 1 & DFU & - & - \\
\hline & bit 2 & Applying a Collate Type & Shift Collate & Normal Collate \\
\hline & & \multicolumn{3}{|l|}{\begin{tabular}{l}
A collate type (shift or normal) will be applied to all jobs that do not explicitely define a collate type. \\
Note: If \#5-0 is enabled, this BitSwitch has no effect.
\end{tabular}} \\
\hline & \multirow[t]{2}{*}{bit 3} & [PCL5e/c,PS]: PDL Auto Switching & Enabled & Disabled \\
\hline & & \multicolumn{3}{|l|}{Enables/Disables the MFPs ability to change the PDL processor mid-job. Some host systems submit jobs that contain both PS and PCL5e/c. If Auto PDL switching is disabled, these jobs will not be printed properly.} \\
\hline & bit 4 & DFU & - & - \\
\hline & bit 5 & DFU & - & - \\
\hline & \multirow[t]{2}{*}{bit 6} & Switch dither &  & Use alternative dither \\
\hline & & \multicolumn{3}{|l|}{*Please refer to RTB\#RD014018} \\
\hline & bit 7 & DFU & - & - \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|}
\hline 1001 & \multicolumn{4}{|l|}{[Bit Switch]} \\
\hline \multirow[t]{10}{*}{003} & \multicolumn{2}{|l|}{Bit Switch 3 Setting} & 0 & 1 \\
\hline & bit 0 & DFU & - & - \\
\hline & bit 1 & DFU & - & - \\
\hline & \multirow[t]{2}{*}{bit 2} & [PCL5e/c]: Legacy HP compatibility & Disabled & Enabled \\
\hline & & \multicolumn{3}{|l|}{Uses the same left margin as older HP models such as HP4000/HP8000 In other words, the left margin defined in the job (usually "<ESC>*rOA") will be changed to "<ESC>*r1A".} \\
\hline & bit 3 & DFU & - & - \\
\hline & bit 4 & DFU & - & - \\
\hline & bit 5 & DFU & - & - \\
\hline & bit 6 & DFU & - & - \\
\hline & bit 7 & DFU & - & - \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|}
\hline 1001 & \multicolumn{4}{|l|}{[Bit Switch]} \\
\hline \multirow[t]{10}{*}{004} & \multicolumn{2}{|l|}{Bit Switch 4 Setting} & 0 & 1 \\
\hline & bit 0 & DFU & - & - \\
\hline & bit 1 & DFU & - & - \\
\hline & bit 2 & DFU & - & - \\
\hline & bit 3 & IPDS print-side reversal & Disabled & Enabled \\
\hline & & If enabled, the simplex pag because of printing on the printing speed. & \begin{tabular}{l}
be printed \\
. This mig
\end{tabular} & e front side duce \\
\hline & bit 4 & DFU & - & - \\
\hline & bit 5 & DFU & - & - \\
\hline & bit 6 & DFU & - & - \\
\hline & bit 7 & DFU & - & - \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|}
\hline 1001 & \multicolumn{4}{|l|}{[Bit Switch]} \\
\hline 005 & \multicolumn{2}{|l|}{Bit Switch 5 Setting} & 0 & 1 \\
\hline \multirow[t]{2}{*}{} & \multirow[t]{2}{*}{bit 0} & Show "Collate Type", "Staple Type" and "Punch Type" buttons on the operation panel. & Disabled & Enabled \\
\hline & & \multicolumn{3}{|l|}{\begin{tabular}{l}
If enabled, users will be able to configure a Collate Type, Staple Type, and Punch Type from the operation panel. The available Types will depend on the device and configured options. \\
After enabling this BitSw, the settings will appear under: \\
"User Tools > Printer Features > System"
\end{tabular}} \\
\hline \multirow[t]{2}{*}{} & \multirow[t]{2}{*}{bit 1} & Multiple copies if a paper size or type mismatch occurs & \begin{tabular}{l}
Disabled \\
(single \\
copy)
\end{tabular} & Enabled (multiple) \\
\hline & & \multicolumn{3}{|l|}{If a paper size or type mismatch occurs during the printing of multiple copies, only a single copy is output by default. Using this BitSw, the device can be configured to print all copies even if a paper mismatch occurs.} \\
\hline & \multirow[t]{2}{*}{bit 2} & Prevent SDK applications from altering the contents of a job. & Disabled & Enabled \\
\hline & & \multicolumn{3}{|l|}{\begin{tabular}{l}
If this BitSw is enabled, SDK applications will not be able to alter print data. This is achieved by preventing SDK applications from accessing a module called the "GPS Filter". \\
Note: The main purpose of this BitSw is for troubleshooting the effects of SDK applications on data.
\end{tabular}} \\
\hline & \multirow[t]{2}{*}{bit 3} & [PS] PS Criteria & Pattern3 & Pattern1 \\
\hline & & \multicolumn{3}{|l|}{Change the number of PS criterion used by the PS interpereter to determine whether a job is PS data or not.} \\
\hline & \multirow[t]{2}{*}{bit 4} & Increase max. number of stored jobs. & \begin{tabular}{l}
Disabled \\
(100)
\end{tabular} & Enabled (750) \\
\hline & & \multicolumn{3}{|l|}{Changes the maximum number of jobs that can be stored on the HDD. The default (disabled) is 100 . If this is enabled, the max. will be raised to 750 or 1000 depending on the model.} \\
\hline
\end{tabular}

\begin{tabular}{|l|l|l|l|l|}
\hline 1001 & \multicolumn{5}{|l|}{} \\
\hline \multirow{5}{*}{006} & Bit Switch 6 Setting & 0 & 1 \\
\cline { 2 - 5 } & bit 0 & DFU & - & - \\
\cline { 2 - 5 } & bit 1 & DFU & - & - \\
\hline & bit 2 & DFU & - & - \\
\hline & bit 3 & DFU & - & - \\
\hline & bit 4 & DFU & - & - \\
\hline & bit 5 & DFU & - & - \\
\hline & bit 6 & DFU & - & - \\
\hline & bit 7 & DFU & - & - \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|}
\hline 1001 & \multicolumn{4}{|l|}{[Bit Switch]} \\
\hline \multirow[t]{10}{*}{007} & \multicolumn{2}{|l|}{Bit Switch 7 Setting} & 0 & 1 \\
\hline & \multirow[t]{2}{*}{} & Print path & Disabled & Enabled \\
\hline & & \multicolumn{3}{|l|}{If enabled, simplex pages (in mixed simplex/duplex PS/PCL5 jobs only) and the last page of an odd paged duplex job (PS, PCL5, PCL6), are always routed through the duplex unit. Not having to switch paper paths increases the print speed slightly.} \\
\hline & bit 1 & DFU & - & - \\
\hline & bit 2 & DFU & - & - \\
\hline & bit 3 & DFU & - & - \\
\hline & bit 4 & DFU & - & - \\
\hline & bit 5 & DFU & - & - \\
\hline & bit 6 & DFU & - & - \\
\hline & bit 7 & DFU & - & - \\
\hline 1001 & \multicolumn{4}{|l|}{[Bit Switch]} \\
\hline \multirow[t]{6}{*}{008} & \multicolumn{2}{|l|}{Bit Switch 8 Setting} & 0 & 1 \\
\hline & bit 0 & DFU & - & - \\
\hline & bit 1 & DFU & - & - \\
\hline & bit 2 & DFU & - & - \\
\hline & \multirow[t]{2}{*}{bit 3} & [PCL,PS]: Allow BW jobs to print without requiring User Code & Disabled & Enabled (allow BW jobs to print without a user code) \\
\hline & & \multicolumn{3}{|l|}{\begin{tabular}{l}
BW jobs submitted without a user code will be printed even if usercode authentication is enabled. \\
Note: Color jobs will not be printed without a valid user code.
\end{tabular}} \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|c|c|}
\hline \multirow{5}{*}{\begin{tabular}{ll} 
bit 4 & DFU \\
bit 5 & DFU \\
bit 6 & PCL, RPCS, PS: Forced BW print
\end{tabular}} & - & - \\
\cline { 2 - 5 } & Enabled & Disabled \\
\hline \multirow{3}{*}{ bit 7} & [PDF]: Orientation Auto Detect Fuction & Enabled & Disabled \\
\cline { 3 - 5 } & \begin{tabular}{l} 
Automatically chooses page orientations of PDF jobs (Landscape or \\
Portrait) based on the content.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|}
\hline 1001 & \multicolumn{4}{|l|}{[Bit Switch]} \\
\hline \multirow[t]{3}{*}{009} & \multicolumn{2}{|l|}{Bit Switch 9 Setting} & 0 & 1 \\
\hline & \multirow[t]{2}{*}{bit 0} & PDL Auto Detection timeout of jobs submitted via USB or Parallel Port (IEEE 1284). & Disabled (Immediately) & \[
\begin{gathered}
\text { Enabled } \\
(10 \text { seconds) }
\end{gathered}
\] \\
\hline & & \multicolumn{3}{|l|}{To be used if PDL auto-detection fails. A failure of PDL autodetection doesn't necessarily mean that the job can't be printed. This bit switch tells the device whether to time-out immediately (default) upon failure or to wait 10 seconds.} \\
\hline \multirow[t]{3}{*}{} & bit 1 & DFU & - & \\
\hline & \multirow[t]{2}{*}{bit 2} & Job Cancel & \begin{tabular}{l}
Disabled \\
(Not cancelled)
\end{tabular} & \begin{tabular}{l}
Enabled \\
(Cancelled)
\end{tabular} \\
\hline & & \multicolumn{3}{|l|}{\begin{tabular}{l}
If this bit switch, all jobs will be cancelled after a jam occurs. \\
Note: If this bitsw is enabled, printing under the following conditions might result in problems: \\
- Job submission via USB or Parallel Port \\
- Spool printing (WIM >Configuration > Device Settings > System)
\end{tabular}} \\
\hline
\end{tabular}

\begin{tabular}{|c|c|c|c|}
\hline \multirow[t]{2}{*}{bit 7} & Enable/Disable Print from USB/SD's Preview function & Enabled & Disabled \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Determines whether Print from USB/SD will have the Preview function. Enabled (=0): Print from USB/SD will have the Preview function. \\
Disabled (=1): Print from USB/SD will not have the Preview function.
\end{tabular}} \\
\hline
\end{tabular}

\begin{tabular}{|l|l|l|l|l|}
\hline bit 7 & \begin{tabular}{l} 
Job cancels remaining pages when the \\
paid-for pages have been printed on an \\
external charge device
\end{tabular} & \begin{tabular}{c} 
Job does \\
not cancel
\end{tabular} & Job cancels \\
\cline { 2 - 4 } \begin{tabular}{|l|l} 
When setting 1 is enabled, after printing the paid-for pages on an external \\
charge device, the job that includes any remaining pages will be \\
canceled. \\
This setting will prevent the next user from printing the unnecessary \\
pages from the previous user's print job.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|}
\hline 1001 & \multicolumn{4}{|l|}{[Bit Switch]} \\
\hline 011 & \multicolumn{2}{|l|}{Bit Switch B Setting} & 0 & 1 \\
\hline \multirow[t]{2}{*}{} & \multirow[t]{2}{*}{bit 0} & Show Menu List & Hide Menu List & Show Menu List \\
\hline & & \multicolumn{3}{|l|}{If this is 0 , the Menu List button will be removed from Printer Features.} \\
\hline & \multirow[t]{2}{*}{bit 1} & Print job interruption & Does not allow interruption & Allow interruption \\
\hline & & \multicolumn{3}{|l|}{\begin{tabular}{l}
0 (default): Print jobs are not interrupted. If a job is promoted to the top of the print queue, it will wait for the currently printing job to finish. \\
1: If a job is promoted to the top of the queue, it will interrupt the currently printing job and start printing immediately.
\end{tabular}} \\
\hline \multirow[t]{6}{*}{} & bit 2 & DFU & - & - \\
\hline & bit 3 & DFU & - & - \\
\hline & bit 4 & DFU & - & - \\
\hline & bit 5 & DFU & - & - \\
\hline & bit 6 & DFU & - & - \\
\hline & bit 7 & DFU & - & - \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|l|l|}
\hline \multirow{5}{*}{0101} & [Bit Switch] & \multicolumn{1}{l|}{} \\
\hline \multirow{5}{*}{} & Bit Switch C Setting & 0 & 1 \\
\cline { 2 - 5 } & bit 0 & DFU & - & - \\
\cline { 2 - 5 } & bit 1 & DFU & - & - \\
\hline & bit 2 & DFU & - & - \\
\hline & bit 3 & DFU & - & - \\
\hline & bit 4 & DFU & - & - \\
\hline & bit 5 & DFU & - & - \\
\hline & bit 6 & DFU & - & - \\
\hline & bit 7 & DFU & - & - \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|l|}
\hline 1003 & \multicolumn{2}{|l|}{ [Clear Setting] } \\
\hline \multirow{3}{*}{001} & Initialize System & \(* \mathrm{CTL}\) & \begin{tabular}{l}
{\([-/-/-]\)} \\
{\([\) Execute \(]\)}
\end{tabular} \\
\cline { 2 - 4 } & \multicolumn{3}{|l|}{ Initializes settings in the "System" menu of the user mode. } \\
\hline 003 & Delete Program & \(* \mathrm{CTL}\) & \begin{tabular}{l}
{\([-/-/-]\)} \\
{\([\) Execute \(]\)}
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|r|r|l|l|}
\hline \multirow{2}{*}{1004} & \multicolumn{3}{l|}{ [Print Summary] } \\
\cline { 2 - 4 } & \multicolumn{2}{|l|}{ Prints the service summary sheet (a summary of all the controller settings). } \\
\hline 001 & Print Summary & *CTL & \begin{tabular}{l}
{\([-/-/-]\)} \\
{\([\) Execute \(]\)}
\end{tabular} \\
\hline 002 & Print Summary2 & *CTL & \begin{tabular}{l}
{\([-/-/-]\)} \\
{\([\) Execute \(]\)}
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|l|}
\hline 1005 & \multicolumn{3}{|l|}{\([\) [Display Version \(]\)} \\
\hline \multirow{3}{*}{002} & Printer Version & \(* \mathrm{CTL}\) & {\([-/-/-]\)} \\
\cline { 2 - 4 } & \multicolumn{2}{|l|}{ Displays the version of the controller firmware. } \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 1006 & \multicolumn{3}{|l|}{[Sample/Locked Print]} \\
\hline & Sample / Locked Print & *CTL & \begin{tabular}{l}
[0 or 1 / \(0 / 1\) /step] \\
0: Linked, 1: On
\end{tabular} \\
\hline 002 & \multicolumn{3}{|l|}{Enables and disables the document server. When you select " 0 ," the document server is enabled or disabled in accordance with Copy Service Mode SP5-967. When you select "1," the document server is enabled regardless of Copy Service Mode SP5-967.} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{2}{*}{1101} & \multicolumn{2}{|l|}{ [Data Recall] } & \begin{tabular}{l} 
Recalls a set of gamma settings. This can be either a) the factory setting, b) \\
the previous setting, or c) the current setting.
\end{tabular} \\
\hline 001 & Factory & *CTL & \\
\hline 002 & Previous & *CTL & \begin{tabular}{l}
{\([-/-/-]\)} \\
[Execute]
\end{tabular} \\
\hline 003 & Current & *CTL & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{1102} & \multicolumn{3}{|l|}{[Resolution Setting]} \\
\hline & \multicolumn{3}{|l|}{Selects the printing mode (resolution) for the printer gamma adjustment.} \\
\hline 001 & Resolution Setting & CTL & \begin{tabular}{l}
[ 0 to 9 / 0 / 1/step] \\
0: 1200×1200 Photo (2bit/4col) \\
1: \(1200 \times 1200\) Photo ( 1 bit/4col) \\
2: \(600 \times 600\) Photo (4bit/4col) \\
3: \(600 \times 600\) Photo (2bit/4col) \\
4: 600x600 Photo (1bit/4col) \\
5: 1200×1200 Text (2bit/4col) \\
6: \(1200 \times 1200\) Text (1bit/4col) \\
7: 600x600 Text (4bit/4col) \\
8: 600x600 Text (2bit/4col) \\
9: 600x600 Text (1bit/4col)
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{1103} & \multicolumn{3}{|l|}{[Test Page]} \\
\hline & \multicolumn{3}{|l|}{Prints the test page to check the color balance before and after the gamma adjustment.} \\
\hline 001 & Color Gray Scale & CTL & [-/-/-] \\
\hline 002 & Color Pattern & CTL & [Execute] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{1104} & \multicolumn{3}{|l|}{[Gamma Adjustment]} \\
\hline & \multicolumn{3}{|l|}{Adjusts the printer gamma for the mode selected in the "Mode Selection" menu.} \\
\hline 001 & Set Black: Highlight & CTL & \multirow{7}{*}{[0 to \(30 / 00 / 1 /\) step ]} \\
\hline 002 & Set Black: Shadow & CTL & \\
\hline 003 & Set Black: Middle & CTL & \\
\hline 004 & Set Black: IDmax & CTL & \\
\hline 005 & Set Black 5 & CTL & \\
\hline 006 & Set Black 6 & CTL & \\
\hline 007 & Set Black 7 & CTL & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 008 & Set Black 8 & CTL & \\
\hline 009 & Set Black 9 & CTL & \\
\hline 010 & Set Black 10 & CTL & \\
\hline 011 & Set Black 11 & CTL & \\
\hline 012 & Set Black 12 & CTL & \\
\hline 013 & Set Black 13 & CTL & \\
\hline 014 & Set Black 14 & CTL & \\
\hline 015 & Set Black 15 & CTL & \\
\hline 016 & Set Black 16 & CTL & \\
\hline 021 & Set Cyan: Highlight & CTL & \\
\hline 022 & Set Cyan: Shadow & CTL & \\
\hline 023 & Set Cyan: Middle & CTL & \\
\hline 024 & Set Cyan: IDmax & CTL & \\
\hline 025 & Set Cyan 5 & CTL & \\
\hline 026 & Set Cyan 6 & CTL & \\
\hline 027 & Set Cyan 7 & CTL & \\
\hline 028 & Set Cyan 8 & CTL & \\
\hline 029 & Set Cyan 9 & CTL & \\
\hline 030 & Set Cyan 10 & CTL & \\
\hline 031 & Set Cyan 11 & CTL & \\
\hline 032 & Set Cyan 12 & CTL & \\
\hline 033 & Set Cyan 13 & CTL & \\
\hline 034 & Set Cyan 14 & CTL & \\
\hline 035 & Set Cyan 15 & CTL & \\
\hline 036 & Set Cyan 16 & CTL & \\
\hline 041 & Set Magenta: Highlight & CTL & [ 0 to \(30 / 00 / 1 /\) step ] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 042 & Set Magenta: Shadow & CTL & \\
\hline 043 & Set Magenta: Middle & CTL & \\
\hline 044 & Set Magenta: IDmax & CTL & \\
\hline 045 & Set Magenta 5 & CTL & \\
\hline 046 & Set Magenta 6 & CTL & \\
\hline 047 & Set Magenta 7 & CTL & \\
\hline 048 & Set Magenta 8 & CTL & \\
\hline 049 & Set Magenta 9 & CTL & \\
\hline 050 & Set Magenta 10 & CTL & \\
\hline 051 & Set Magenta 11 & CTL & \\
\hline 052 & Set Magenta 12 & CTL & \\
\hline 053 & Set Magenta 13 & CTL & \\
\hline 054 & Set Magenta 14 & CTL & \\
\hline 055 & Set Magenta 15 & CTL & \\
\hline 056 & Set Magenta 16 & CTL & \\
\hline 061 & Set Yellow: Highlight & CTL & \\
\hline 062 & Set Yellow: Shadow & CTL & \\
\hline 063 & Set Yellow: Middle & CTL & \\
\hline 064 & Set Yellow: IDmax & CTL & \\
\hline 065 & Set Yellow 5 & CTL & \\
\hline 066 & Set Yellow 6 & CTL & [0 to 30 / 00 / 1/step ] \\
\hline 067 & Set Yellow 7 & CTL & \\
\hline 068 & Set Yellow 8 & CTL & \\
\hline 069 & Set Yellow 9 & CTL & \\
\hline 070 & Set Yellow 10 & CTL & \\
\hline 071 & Set Yellow 11 & CTL & \\
\hline
\end{tabular}
\begin{tabular}{|c|l|c|}
\hline 072 & Set Yellow 12 & CTL \\
\hline 0073 & Set Yellow 13 & CTL \\
\hline 074 & Set Yellow 14 & CTL \\
\hline 075 & Set Yellow 15 & CTL \\
\hline 076 & Set Yellow 16 & CTL \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{3}{*}{} & \multicolumn{2}{|l|}{ [Save Tone Control Value] } \\
\cline { 2 - 3 } & \begin{tabular}{l} 
Stores the print gamma adjusted with the "Gamma Adj." menu item as the \\
current setting. Before the machine stores the new "current setting", it moves \\
the data currently stored as the "current setting" to the "previous setting" \\
memory storage location.
\end{tabular} \\
\hline 001 & \begin{tabular}{l} 
Save Tone Control \\
Value
\end{tabular} & *CTL & \begin{tabular}{l}
{\([-/-/-]\)} \\
[Execute]
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|}
\hline \multirow{2}{*}{1106} & \multicolumn{3}{|l|}{ [Toner Limit] } \\
\cline { 2 - 4 } & \multicolumn{3}{|l|}{ Adjusts the maximum toner amount for image development. } \\
\hline 001 & Toner Limit Value & *CTL \\
[0 to \(400 / 0 / 1 \% /\) step \(]\) \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|l|}
\hline \multirow{2}{*}{1110} & \multicolumn{3}{|l|}{ [Media Print Device Setting] } \\
\cline { 2 - 4 } & \multicolumn{3}{|l|}{ Selects the setting for the media print device. } \\
\hline 002 & 0: Disable 1: Enable & *CTL & {\([0\) or \(1 / 1 / 1 /\) step \(]\)} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline 1111 & \multicolumn{2}{|l|}{[All Job Delete Mode]} \\
\hline 001 & *CTL & \begin{tabular}{l}
[ 0 or \(1 / 1 / 1 /\) step ] \\
0: Excluding New Job \\
1: Including New Job
\end{tabular} \\
\hline & \multicolumn{2}{|l|}{Selects whether to include an image processing job in jobs subject to full cancellation from the SCS job list.} \\
\hline
\end{tabular}

\subsection*{2.12 SCANNER SP MODE}

\subsection*{2.12.1 SP1-XXX (SYSTEM AND OTHERS)}
\begin{tabular}{|c|l|l|l|}
\hline \multirow{3}{*}{1001} & [Scan Nv Version] \\
\cline { 2 - 4 } & \begin{tabular}{l} 
Displays the scanner firmware version stored in NVRAM in a 9-digit format: \\
Func. Name_Model Name_History No.
\end{tabular} \\
\hline 005 & - & \(*\) ©TL & {\([-/-/-]\)} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{3}{*}{1005} & \multicolumn{2}{|l|}{ [Erase Margin(Remote scan)] } \\
\cline { 2 - 3 } & \multicolumn{1}{l}{\begin{tabular}{l} 
Creates an erase margin for all edges of the scanned image. \\
If the machine has scanned the edge of the original, create a margin. This SP \\
is activated only when the machine uses TWAIN scanning.
\end{tabular}} \\
\hline 001 & Range from 0 to 5 mm & *CTL & [0 to \(5 / 0 / 1 \mathrm{~mm} /\) step] \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|l|}
\hline 1009 & \multicolumn{3}{|l|}{ [Remote scan disable] } \\
\hline 001 & - & \(*\) CTL & \begin{tabular}{l} 
[0 or 1/0 / 1 / step] \\
\(0:\) Enable \\
\(1: ~ D i s a b l e ~\)
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline 1010 & \multicolumn{2}{|l|}{[Non Display Clear Light PDF]} \\
\hline 001 & *CTL & [0 or 1 / 0 / 1 / step] 0: Display, 1: No display \\
\hline & \multicolumn{2}{|l|}{Display or Non display remote scan.} \\
\hline
\end{tabular}

\begin{tabular}{|c|c|}
\hline 1012 & [User Info Release] \\
\hline & \[
\begin{array}{l|l}
\text { *CTL } & \begin{array}{l}
{[0 \text { or } 1 / 1 / 1 / \text { step }]} \\
1: ~ N o ~ \\
0: ~ Y e s ~
\end{array}
\end{array}
\] \\
\hline 001 & \begin{tabular}{l}
This SP code sets the machine to release or not release the following items at job end. \\
- Destination (E-mail/Folder/CS) \\
- Sender name \\
- Mail Text \\
- Subject line \\
- File name
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline 1013 & \multicolumn{2}{|l|}{[Scan to Media Device Setting]} \\
\hline & *CTL & \[
\begin{aligned}
& \text { [0 or } 1 / 1 / 1 \text { / step }] \\
& \text { 0: OFF } \\
& \text { 1: ON }
\end{aligned}
\] \\
\hline 001 & \multicolumn{2}{|l|}{This SP code enables/disables the multi-media function option (USB 2.0/SD Slot) mounted on the front of the machine. Operators can scan documents to either an SD card or a USB memory device inserted into this unit. This SP must be enabled (set to "1") in order for the device to function.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline 1014 & \multicolumn{2}{|l|}{[Scan to Folder Pass Input Set]} \\
\hline \multirow{4}{*}{001} & & [0 or 1 / 0 / 1 / step] \\
\hline & *CTL & 0: OFF \\
\hline & & 1: ON \\
\hline & \multicolumn{2}{|l|}{Enables / Disables to input password for Scan To Folder.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|}
\hline 1041 & \multicolumn{4}{|l|}{[Scan:FlairAPI Setting]} \\
\hline \multirow[b]{2}{*}{001} & 0x00-0xff & *CTL & * see & Switch below: \\
\hline & \multicolumn{4}{|l|}{\begin{tabular}{l}
Sets Scanner FlairAPI Function enable / disable. \\
This SP is set by BitSwitch and needs to reboot the machine after making changes.
\end{tabular}} \\
\hline \multirow{2}{*}{bit} & \multirow{2}{*}{Setting} & \multicolumn{2}{|c|}{meanings} & \multirow{2}{*}{Description} \\
\hline & & 0 & 1 & \\
\hline bit 0 & \begin{tabular}{l}
Start of FlairAPI \\
Server
\end{tabular} & Off (Do not Start) & \begin{tabular}{l}
On \\
(Start)
\end{tabular} & Sets whether to start exclusive FlairAPI http server. If it is 0 , scanning FlairAPI function and simple UI function will be disabled. The machine installed Android operating panel option, set " 1 ", others set " 0 " \\
\hline bit 1 & Access permission of FlairAPI from outside of the machine & Disabled & Enabled & If it is " 0 ", accessing is limited from the machine only, such as operating panel, SDK/J, MFP browsers etc... If it is " 1 ", accessing is allowed from outside of FlairAPI such as PC, Remote UI, IT-Box etc.. \\
\hline bit 2 & Reserved & - & & - \\
\hline bit 3 & Reserved & - & - & - \\
\hline
\end{tabular}
\begin{tabular}{|c|l|l|l|l|}
\hline bit 4 & Simple UI Function & Disabled & Enabled & \begin{tabular}{l} 
If it is "1", the machine can \\
be used Scanner Simple UI. \\
If it is "0", requesting URL of \\
Simple UI returns "404 Not \\
Found"
\end{tabular} \\
\hline bit 5 & \begin{tabular}{l} 
Accessing permission \\
of Simple UI from \\
outside of the \\
machine
\end{tabular} & Disabled & Enabled & \begin{tabular}{l} 
If it is "0", accessing is \\
limited from the machine \\
only (operating panel and \\
MFP browser). If it is "1", \\
accessing is allowed from \\
outside of Simple UI such as \\
PC, mobile devices, and so \\
on.
\end{tabular} \\
\hline bit 6 & Reserved & - & - & - \\
\hline bit 7 & Reserved & - & - & - \\
\hline
\end{tabular}

\subsection*{2.12.2 SP2-XXX (SCANNING-IMAGE QUALITY)}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2021} & \multicolumn{3}{|l|}{[Compression Level (Gray-scale)]} \\
\hline & \multicolumn{3}{|l|}{Selects the compression ratio for grayscale processing mode (JPEG) for the five settings that can be selected at the operation panel.} \\
\hline 001 & Comp1:5-95 & *CTL & [ 5 to 95/20/1/ step] \\
\hline 002 & Comp2:5-95 & *CTL & [ 5 to 95/40/1/ step] \\
\hline 003 & Comp3:5-95 & *CTL & [ 5 to 95/65 / 1 / step] \\
\hline 004 & Comp4:5-95 & *CTL & [ 5 to 95/80 / 1 / step] \\
\hline 005 & Comp5:5-95 & *CTL & [ 5 to 95/95 / 1 / step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2024} & \multicolumn{3}{|l|}{[Compression ratio of ClearLight PDF]} \\
\hline & \multicolumn{3}{|l|}{Selects the compression ratio for clearlight PDF for the two settings that can be selected at the operation panel.} \\
\hline 001 & Compression Ratio (Normal) & *CTL & [5 to 95 / 25 / 1 / step] \\
\hline 002 & Compression Ratio (High) & *CTL & [ 5 to 95/20/1/ step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{2025} & \multicolumn{3}{|l|}{[Compression ratio of ClearLightPDF JPEG2000]} \\
\hline & \multicolumn{3}{|l|}{Selects the compression ratio for clearlight PDF for the two settings that can be selected at the operation panel.} \\
\hline 001 & Compression Ratio (Normal) JPEG2000 & *CTL & [ 5 to \(95 / 25\) / 1 / step] \\
\hline 002 & Compression Ratio (High) JEPG2000 & *CTL & [ 5 to \(95 / 20\) / 1 / step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 2030 & \multicolumn{3}{|l|}{[OCR PDF DetectSens]} \\
\hline 001 & White Lumi Value: 0-255 & *CTL & [0 to 255 / 250 / 1 / step] \\
\hline 002 & White Pix Ratio: 0-100 & *CTL & [0 to 100 / 80 / 1 / step] \\
\hline 003 & White Tile Ratio: 0-100 & *CTL & [0 to 100 / 80/1/ step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{9001} & \multicolumn{3}{|l|}{[BitSwitch]} \\
\hline & \multicolumn{3}{|l|}{Sets module debug output mode.} \\
\hline 001 & cmm & *CTL & [ 0 to 255 / 0 / by a factor of two] \\
\hline 002 & jcm & *CTL & [0 to 255 / 0 / by a factor of two] \\
\hline 003 & ucm & *CTL & [ 0 to 255 / 0 / by a factor of two] \\
\hline 004 & rsp & *CTL & [ 0 to 255 / 0 / by a factor of two] \\
\hline 005 & rsp2 & *CTL & [0 to 255 / 0 / by a factor of two] \\
\hline 006 & nas & *CTL & [ 0 to 255 / 0 / by a factor of two] \\
\hline
\end{tabular}
\begin{tabular}{|c|l|c|l|}
\hline 007 & miw & \(*\) CTL & {\([0\) to \(255 / 0 /\) by a factor of two \(]\)} \\
\hline 008 & mib & \(*\) CTL & {\([0\) to \(255 / 0 /\) by a factor of two \(]\)} \\
\hline 009 & itm & \(* \mathrm{CTL}\) & {\([0\) to \(255 / 0 /\) by a factor of two \(]\)} \\
\hline
\end{tabular}

\title{
INPUT AND OUTPUT CHECK
}
\begin{tabular}{|l|l|l|}
\hline \multicolumn{3}{|c|}{ REVISION HISTORY } \\
\hline Page & Date & Added/Updated/New \\
\hline & & None \\
\hline
\end{tabular}

\section*{3. INPUT AND OUTPUT CHECK}

\subsection*{3.1 INPUT CHECK TABLE}
\begin{tabular}{|c|c|c|c|}
\hline 5803 & \multicolumn{3}{|l|}{[INPUT Check]} \\
\hline \multirow[t]{2}{*}{001} & Registration Sensor & ENG & \begin{tabular}{l}
[0 or 1 / 0 / 1/step] \\
0 : paper exist \\
1: paper non exist
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Responds to paper existence on register sensor position. \\
(0: paper exist, 1: paper non exist)
\end{tabular}} \\
\hline \multirow[t]{2}{*}{002} & Paper Feed Sensor 1 & ENG & \begin{tabular}{l}
[0 or \(1 / 0 / 1 /\) step] \\
0 : paper exist \\
1: paper non exist
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Responds to paper existence on 1st paper feed sensor position. \\
(0: paper exist, 1: paper non exist)
\end{tabular}} \\
\hline \multirow[t]{2}{*}{003} & Transport Sensor 1 & ENG & \begin{tabular}{l}
[ 0 or 1 / 0 / 1/step] \\
0 : paper exist \\
1: paper non exist
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Responds to paper existence on 1st carry sensor position. \\
(0: paper exist, 1: paper non exist)
\end{tabular}} \\
\hline \multirow[t]{2}{*}{004} & Paper Feed Sensor 2 & ENG & \begin{tabular}{l}
[0 or 1 / 0 / 1/step] \\
0 : paper exist \\
1: paper non exist
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Responds to paper existence on 2nd paper feed sensor position. \\
(0: paper exist, 1: paper non exist)
\end{tabular}} \\
\hline \multirow[t]{2}{*}{005} & Transport Sensor 2 & ENG & \begin{tabular}{l}
[0 or 1 / 0 / 1/step] \\
0 : paper exist \\
1: paper non exist
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Responds to paper existence on 2nd carry sensor position. (0: paper exist, 1: paper non exist)} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[t]{2}{*}{006} & Fusing Entrance Sensor & ENG & \begin{tabular}{l}
[0 or 1 / 0 / 1/step] \\
0 : paper exist \\
1: paper non exist
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Responds to paper existence on fusing entrance sensor position. (0: paper exist, 1: paper non exist)} \\
\hline \multirow[t]{2}{*}{007} & Fusing Exit Sensor & ENG & \begin{tabular}{l}
[0 or 1 / 0 / 1/step] \\
0 : paper exist \\
1: paper non exist
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Responds to paper existence on fusing exit sensor position. (0: paper exist, 1: paper non exist)} \\
\hline \multirow[t]{2}{*}{008} & Paper Exit Sensor & ENG & \begin{tabular}{l}
[0 or \(1 / 0 / 1 /\) step] \\
0 : paper exist \\
1: paper non exist
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Responds to paper existence on paper exit sensor position. \\
(0: paper exist, 1: paper non exist)
\end{tabular}} \\
\hline \multirow[t]{2}{*}{009} & Inverter Sensor & ENG & \begin{tabular}{l}
[0 or 1 / 0 / 1/step] \\
0 : paper exist \\
1: paper non exist
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Responds to paper existence on reverse sensor position. \\
(0: paper exist, 1: paper non exist)
\end{tabular}} \\
\hline \multirow[t]{2}{*}{010} & Duplex Exit Sensor & ENG & \begin{tabular}{l}
[0 or \(1 / 0 / 1 /\) step] \\
0 : paper exist \\
1: paper non exist
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Responds to paper existence on duplex exit sensor position. \\
(0: paper exist, 1: paper non exist)
\end{tabular}} \\
\hline \multirow[t]{2}{*}{011} & Duplex Entrance Sensor & ENG & \begin{tabular}{l}
[0 or 1 / 0 / 1/step] \\
0 : paper exist \\
1: paper non exist
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Responds to paper existence on duplex entrance sensor position (0: paper exist, 1: paper non exist)} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[t]{2}{*}{012} & Tray Full Exit Sensor & ENG & \begin{tabular}{l}
[ 0 or \(1 / 0 / 1 /\) step] \\
0 : Not full \\
1: full
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Detects paper full of main unit paper exit tray. \\
(0: Not full, 1: full)
\end{tabular}} \\
\hline \multirow[t]{2}{*}{013} & Tray 1: Paper Height Sensor & ENG & \begin{tabular}{l}
[ 0 to \(3 / 0\) / 1/step] When full is \(100 \%\), \\
11: 71 to \(100 \%\) \\
01: 31 to \(70 \%\) \\
00: 11 to \(30 \%\) \\
10: 1 to \(10 \%\)
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Detects remaining paper amount of 1st paper feed tray. (When full is \(100 \%\), 11: 71 to \(100 \%\), 01: 31 to \(70 \%\), 00: 11 to \(30 \%, 10\) : 1 to \(10 \%\) ) *Check SP5-803-015 for paper end.} \\
\hline \multirow[t]{2}{*}{014} & Tray 1: Upper Limit Sensor & ENG & \begin{tabular}{l}
[ 0 or \(1 / 0 / 1 /\) step] \\
0 : less then limit \\
1: high then limit
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Detects the hight of paper loaded in 1st paper feed tray. ( 0 : less then limit, 1 : high then limit)} \\
\hline \multirow[t]{2}{*}{015} & Tray 1: Paper End Detection & ENG & \begin{tabular}{l}
[ 0 or 1 / 0 / 1/step] \\
0 : No paper \\
1: paper remaining
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Detects paper is running out on 1st paper feed tray. \\
(0: No paper, 1: paper remaining)
\end{tabular}} \\
\hline \multirow[t]{2}{*}{016} & Tray 1: Set Sensor & ENG & \[
\begin{aligned}
& {[0 \text { or } 1 / 0 / 1 / \text { step }]} \\
& 0 \text { : set } \\
& 1: \text { not set }
\end{aligned}
\] \\
\hline & \multicolumn{3}{|l|}{Detects that 1st paper feed tray is set to main unit. (0: set, 1:not set)} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[t]{2}{*}{017} & Tray 2: Paper Height Sensor & ENG & \begin{tabular}{l}
[ 0 to \(3 / 0\) / 1/step] \\
When full is \(100 \%\), \\
11: 71 to \(100 \%\) \\
01: 31 to \(70 \%\) \\
00: 11 to \(30 \%\) \\
10: 1 to \(10 \%\)
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Detects remaining paper amount of 2nd paper feed tray. (When full is \(100 \%\), \\
11: 71 to \(100 \%\), 01: 31 to \(70 \%, 00\) : 11 to \(30 \%, 10\) : 1 to \(10 \%\) ) *Check SP5-803-019 for paper end.
\end{tabular}} \\
\hline \multirow[t]{2}{*}{018} & Tray 2: Paper End Sensor & ENG & \begin{tabular}{l}
[0 or 1 / 0 / 1/step] \\
0 : less then limit \\
1: high then limit
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Detects the hight of paper loaded in 2nd paper feed tray. ( 0 : less then limit, 1: high then limit)} \\
\hline \multirow[t]{2}{*}{019} & Tray 2: Paper End Detection & ENG & \begin{tabular}{l}
[0 or 1 / 0 / 1/step] \\
0: No paper \\
1: paper remaining
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Detects paper running out of \(2 n d\) paper feed tray. (0: No paper, 1: paper remaining)} \\
\hline \multirow[t]{2}{*}{020} & Tray 2: Set Sensor & ENG & \[
\begin{aligned}
& {[0 \text { or } 1 / 0 / 1 / \text { step }]} \\
& 0: \text { set } \\
& 1: \text { not set }
\end{aligned}
\] \\
\hline & \multicolumn{3}{|l|}{Detects that 2nd paper feed tray is set to main unit. (0: set, 1:not set)} \\
\hline \multirow[b]{2}{*}{021} & Tray 2: Size Sensor & ENG & [0 to 15 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Value changes depending on paper size (fence position) set to 2nd paper feed tray.} \\
\hline \multirow[t]{2}{*}{022} & By-pass: Paper End Sensor & ENG & \begin{tabular}{l}
[0 or 1 / 0 / 1/step] \\
0: No paper \\
1: paper remaining
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Detects paper is running out on bypass tray. \\
(0: No paper, 1: paper remaining)
\end{tabular}} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[t]{2}{*}{023} & By-pass: Main Scan Length Sensor & ENG & [0 to \(31 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Value changes depending on main scan direction of paper set to bypass tray.} \\
\hline \multirow[t]{2}{*}{024} & By-pass: Sub Scan Length Sensor & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Value changes depending on sub scan direction of paper set to bypass tray.} \\
\hline \multirow[t]{2}{*}{025} & Interlock Release Detection & ENG & \begin{tabular}{l}
[ 0 to 1 / 0 / 1/step] \\
00: Unlocked \\
11: Locked
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Detects open/close of interlock switch (front cover/right cover). (00: Unlocked, 11: Locked)} \\
\hline \multirow[t]{2}{*}{026} & Right Door Open/Close Sensor & ENG & \begin{tabular}{l}
[ 0 or 1 / 0 / 1/step] \\
0 : close \\
1: open
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Detects right door status. \\
(0: close, 1: open)
\end{tabular}} \\
\hline \multirow[t]{2}{*}{027} & Duplex Guide Plate Open/Close Sensor & ENG & \begin{tabular}{l}
[ 0 or \(1 / 0\) / 1/step] \\
0 : close \\
1: open
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Detects duplex guide plate status. (0: close, 1: open)} \\
\hline \multirow[t]{2}{*}{028} & PTR Open/Close Sensor & ENG & \begin{tabular}{l}
[ 0 or \(1 / 0\) / 1/step] \\
0 : open \\
1: close
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Detects paper transfer unit status. \\
(0: open, 1: close)
\end{tabular}} \\
\hline \multirow[t]{2}{*}{029} & ITB Contact Sensor & ENG & \begin{tabular}{l}
[ 0 or \(1 / 0\) / 1/step] \\
0 : Abutting \\
1: Alienate
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Detects image transfer roller ( \(\mathrm{Y}, \mathrm{M}, \mathrm{C}\) ) and photoreceptors distance. \\
(0: Abutting, 1: Alienate)
\end{tabular}} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[t]{2}{*}{030} & PTR Contact Sensor & ENG & \begin{tabular}{l}
[0 or 1 / 0 / 1/step] \\
0 : Abutting \\
1: Alienate
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Detects image transfer belt and paper transfer rollers distance. \\
(0: Abutting, 1: Alienate)
\end{tabular}} \\
\hline \multirow{2}{*}{031} & New ITB Unit Detection & ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Not available with C1} \\
\hline \multirow[t]{2}{*}{032} & Toner Collection Full Sensor & ENG & ```
[0 or 1 / 0 / 1/step]
0: Not full
1: full
``` \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Detects full of waste toner bottle. \\
(0: Not full, 1: full)
\end{tabular}} \\
\hline \multirow[t]{2}{*}{033} & Toner Collection Bottle Set Sensor & ENG & \[
\begin{aligned}
& {[0 \text { or } 1 / 0 / 1 / \text { step }]} \\
& 0: \text { set } \\
& 1: \text { not set }
\end{aligned}
\] \\
\hline & \multicolumn{3}{|l|}{Detects that waste toner bottle is set to main unit. (0: set, 1:not set)} \\
\hline \multirow{2}{*}{034} & Toner End Sensor:Y & ENG & \begin{tabular}{l}
[0 or 1 / 0 / 1/step] \\
0 : End \\
1: Not End
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Detects remaining toner amount. \\
*Power with SP5-804-173 before checking. \\
(0: End, 1: Not End)
\end{tabular}} \\
\hline \multirow{2}{*}{035} & Toner End Sensor:M & ENG & \begin{tabular}{l}
[0 or 1 / 0 / 1/step] \\
0 : End \\
1: Not End
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Detects remaining toner amount. \\
*Power with SP5-804-173 before checking. \\
(0: End, 1: Not End)
\end{tabular}} \\
\hline 036 & Toner End Sensor:C & ENG & \begin{tabular}{l}
[0 or \(1 / 0 / 1 /\) step] \\
0 : End \\
1: Not End
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline & Detects remaining toner amou *Power with SP5-804-173 befo (0: End, 1: Not End) & heckin & \\
\hline \multirow{2}{*}{037} & Toner End Sensor:K & ENG & \begin{tabular}{l}
[ 0 or \(1 / 0\) / 1/step] \\
0: End \\
1: Not End
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Detects remaining toner amount. \\
*Power with SP5-804-172 before checking. \\
(0: End, 1: Not End)
\end{tabular}} \\
\hline \multirow[t]{2}{*}{038} & Fusing:Area Detection & ENG & [0 to 15 / 0 / 1/step] 0111:200V system 1011:100V System \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Detects region of fusing unit. \\
(0111: 200V system, 1011: 100V System)
\end{tabular}} \\
\hline \multirow[t]{2}{*}{039} & Fusing:New Unit Detection & ENG & \begin{tabular}{l}
[ 0 or \(1 / 0\) / 1/step] \\
0: New \\
1: Old
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Detects New/Old of fusing unit. (0: New, 1: Old)} \\
\hline \multirow[t]{2}{*}{040} & Fusing Temp Detect & ENG & \begin{tabular}{l}
[ 0 or \(1 / 0\) / 1/step] \\
0 : Normal \\
1: High temperature
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Detects whether high temperature is detected from fusing unit. \\
(0: Normal, 1: High temperature)
\end{tabular}} \\
\hline \multirow[t]{2}{*}{041} & Fusing Temp Detect 2 & ENG & \begin{tabular}{l}
[ 0 or \(1 / 0\) / 1/step] \\
0 : Normal \\
1: High temperature
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Detects whether high temperature is detected from fusing unit. (0: Normal, 1: High temperature)} \\
\hline 042 & NC Sensor Temp Detection: 1 & ENG & \begin{tabular}{l}
[0 or \(1 / 0 / 1 /\) step] \\
0 : Normal \\
1: High temperature
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline & \multicolumn{3}{|l|}{Detects whether high temperature is detected from fusing unit. (0: Normal, 1: High temperature)} \\
\hline \multirow{2}{*}{045} & Drum Phase Sensor: K & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Not available with C1} \\
\hline \multirow{2}{*}{046} & Drum Phase Sensor: FC & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Not available with C1} \\
\hline \multirow[t]{2}{*}{047} & \begin{tabular}{l}
Nip Pres. Release Home \\
Position Sensor
\end{tabular} & ENG & \begin{tabular}{l}
[ 0 or \(1 / 0\) / 1/step] \\
0 : Not pressured \\
1: pressured
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Detects state of fusing nip pressure. \\
(0: Not pressured, 1: pressured)
\end{tabular}} \\
\hline \multirow[t]{2}{*}{048} & Fusing Fan: Lock & ENG & \begin{tabular}{l}
[ 0 or \(1 / 0\) / 1/step] \\
0 : Running \\
1: Stopped, or locked
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Detects locking of fusing exhaust heat fan. (0: Running, 1: Stopped, or locked)} \\
\hline \multirow[t]{2}{*}{049} & Dev Fan: Right: Lock & ENG & \begin{tabular}{l}
[ 0 or \(1 / 0\) / 1/step] \\
0 : Running \\
1: Stopped, or locked
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Detects locking of developer air intake fan (right). \\
(0: Running, 1: Stopped, or locked)
\end{tabular}} \\
\hline \multirow[t]{2}{*}{050} & Dev Fan: Left: Lock & ENG & \begin{tabular}{l}
[ 0 or 1 / 0 / 1/step] \\
0 : Running \\
1: Stopped, or locked
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Detects locking of developer air intake fan (left). (0: Running, 1: Stopped, or locked)} \\
\hline \multirow[t]{2}{*}{051} & PSU Cooling Fan: Lock & ENG & \begin{tabular}{l}
[ 0 or \(1 / 0 / 1 /\) step] \\
0 : Running \\
1: Stopped, or locked
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Detects locking of PSU cooling fan. (0: Running, 1: Stopped, or locked)} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[t]{2}{*}{052} & Ozone Fan: Lock & ENG & \begin{tabular}{l}
[0 or \(1 / 0 / 1 /\) step] \\
0 : Running \\
1: Stopped, or locked
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Detects locking of ozone exhaust air fan. \\
(0: Running, 1: Stopped, or locked)
\end{tabular}} \\
\hline \multirow[t]{2}{*}{054} & PSU Fan: Lock & ENG & \begin{tabular}{l}
[ 0 or \(1 / 0\) / 1/step] \\
0 : Running \\
1: Stopped, or locked
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Detects locking of PSU exhaust heat fan. \\
(0: Running, 1: Stopped, or locked)
\end{tabular}} \\
\hline \multirow[t]{2}{*}{055} & PCB Box Cooling Fan: Lock & ENG & \begin{tabular}{l}
[0 or 1 / 0 / 1/step] \\
0 : Running \\
1: Stopped, or locked
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Detects locking of electric box cooling fan. \\
(0: Running, 1: Stopped, or locked)
\end{tabular}} \\
\hline \multirow[t]{2}{*}{056} & Drive Cooling Fan: Lock & ENG & \begin{tabular}{l}
[0 or 1 / 0 / 1/step] \\
0 : Running \\
1: Stopped, or locked
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Detects locking of drive cooling fan. (0: Running, 1: Stopped, or locked)} \\
\hline \multirow[t]{2}{*}{057} & Ventilation Fan: Lock & ENG & \begin{tabular}{l}
[0 or \(1 / 0\) / 1/step] \\
0 : Running \\
1: Stopped, or locked
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Detects locking of main unit exhaust heat fan. \\
(0: Running, 1: Stopped, or locked)
\end{tabular}} \\
\hline \multirow[t]{2}{*}{058} & Paper Exit Cooling Fan: Lock & ENG & \begin{tabular}{l}
[ 0 or \(1 / 0\) / 1/step] \\
0 : Running \\
1: Stopped, or locked
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Detects locking of paper exit cooling fan. (0: Running, 1: Stopped, or locked)} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[t]{2}{*}{060} & \begin{tabular}{l}
Toner Supply Cooling Fan: \\
Lock
\end{tabular} & ENG & \begin{tabular}{l}
[0 or \(1 / 0 / 1 /\) step] \\
0 : Running \\
1: Stopped, or locked
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Detects locking of toner supply cooling fan. (0: Running, 1: Stopped, or locked)} \\
\hline \multirow[t]{2}{*}{061} & Development Motor K: Lock & ENG & \begin{tabular}{l}
[ 0 or \(1 / 0 / 1 /\) step] \\
0 : Running \\
1: Stopped, or locked
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Detects locking of developer motor (K). \\
(0: Running, 1: Stopped, or locked)
\end{tabular}} \\
\hline \multirow[t]{2}{*}{063} & Development Motor FC: Lock & ENG & \begin{tabular}{l}
[0 or 1 / 0 / 1/step] \\
0 : Running \\
1: Stopped, or locked
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Detects locking of developer motor (FC). \\
(0: Running, 1: Stopped, or locked)
\end{tabular}} \\
\hline \multirow[t]{2}{*}{064} & Drum Motor FC: Lock & ENG & \begin{tabular}{l}
[0 or 1 / 0 / 1/step] \\
0 : Running \\
1: Stopped, or locked
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Detects locking of drum motor (FC). \\
(0: Running, 1: Stopped, or locked)
\end{tabular}} \\
\hline \multirow[t]{2}{*}{065} & Fusing Motor: Lock & ENG & \begin{tabular}{l}
[0 or 1 / 0 / 1/step] \\
0 : Running \\
1: Stopped, or locked
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Detects locking of fusing motor. \\
(0: Running, 1: Stopped, or locked)
\end{tabular}} \\
\hline \multirow[t]{2}{*}{066} & Transfer Drum Motor K: Lock & ENG & \begin{tabular}{l}
[0 or 1 / 0 / 1/step] \\
0 : Running \\
1: Stopped, or locked
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Detects locking of transfer drum motor K. (0: Running, 1: Stopped, or locked)} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[t]{2}{*}{067} & PP:D:SC Detection & ENG & \begin{tabular}{l}
[0 or \(1 / 0 / 1 /\) step] \\
0 : SC detected \\
1: Normal
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Detects SC of HVP (secession). \\
(0: SC detected, 1: Normal)
\end{tabular}} \\
\hline \multirow[t]{2}{*}{068} & PP:CB:SC Detection & ENG & \begin{tabular}{l}
[0 or 1 / 0 / 1/step] \\
0 : SC detected \\
1: Normal
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Detects SC of HVP (electrify/develop). \\
(0: SC detected, 1: Normal)
\end{tabular}} \\
\hline \multirow[t]{2}{*}{069} & PP:TTS:SC Detection & ENG & \begin{tabular}{l}
[0 or 1 / 0 / 1/step] \\
0 : SC detected \\
1: Normal
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Detects SC of HVP (transfer). \\
(0: SC detected, 1: Normal)
\end{tabular}} \\
\hline \multirow[t]{2}{*}{072} & Key Counter: Set 1 & ENG & \begin{tabular}{l}
[0 or 1 / 0 / 1/step] \\
0 : set \\
1:unset \\
key counter: set 1=0, 2=1 for set, others for unset
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Detects setting of key counter. \\
(0: set, 1:unset) \\
(key counter: set 1=0, 2=1 for set, others for unset)
\end{tabular}} \\
\hline \multirow[t]{2}{*}{073} & Key Counter: Set 2 & ENG & \begin{tabular}{l}
[0 or \(1 / 0 / 1 /\) step] \\
0 : set \\
1:unset \\
key counter: set 1=0, 2=1 for set, others for unset
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Detects setting of key counter. \\
(0: unset, 1:set) \\
(key counter: set 1=0, \(2=1\) for set, others for unset)
\end{tabular}} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[t]{2}{*}{074} & Key Card Set & ENG & \begin{tabular}{l}
[ 0 or \(1 / 0 / 1 /\) step] \\
0 : set \\
1: not set
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Detects that key card is set to main unit. (0: set, 1:not set)} \\
\hline \multirow[t]{2}{*}{075} & 1 Bin Tray: Paper Sensor & ENG & \begin{tabular}{l}
[0 or \(1 / 0 / 1 /\) step] \\
0 : paper exist \\
1: paper non exist
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Detects that paper is left upon the tray. \\
(0: paper exist, 1: paper non exist)
\end{tabular}} \\
\hline \multirow[t]{2}{*}{076} & 1 Bin Tray: Set Detection System & ENG & \begin{tabular}{l}
[ 0 or \(1 / 0 / 1 /\) step] \\
0 : paper exist \\
1: paper non exist
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Detects that tray is set to main unit. (0: set, 1:not set)} \\
\hline \multirow[t]{2}{*}{077} & Left Exit Sensor & ENG & \begin{tabular}{l}
[0 or \(1 / 0 / 1 /\) step] \\
0 : paper exist \\
1: paper non exist
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Responds to paper existence on carry sensor position or bridge unit. (0: paper exist, 1: paper non exist)} \\
\hline \multirow[t]{2}{*}{078} & Upper Exit Sensor & ENG & \begin{tabular}{l}
[ 0 or \(1 / 0 / 1 /\) step] \\
0 : Paper exist \\
1: Paper do not exist
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Responds to paper existence on paper exit sensor position or bridge unit. (0: paper exist, 1: paper non exist)} \\
\hline \multirow[t]{2}{*}{079} & Left Exit Tray Set Detection System & ENG & \[
\begin{aligned}
& \text { [0 or } 1 / 0 / 1 / \text { step] }] \\
& 10 \text { set } \\
& \text { 11:not set }
\end{aligned}
\] \\
\hline & \multicolumn{3}{|l|}{Detects that bridge unit is set to main unit. (10: set, 11:not set)} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{080} & \begin{tabular}{l}
24VS1 Open Detection \\
System
\end{tabular} & ENG & \begin{tabular}{l}
[0 or \(1 / 0 / 1 /\) step] \\
0 : broke \\
1: continued
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Detects continuity (whether a harness is broken of short circuited) of 24 VS 1 line on IOB circuit board. (0: broke, 1: continued)} \\
\hline \multirow{2}{*}{081} & \begin{tabular}{l}
24VS2 Open Detection \\
System
\end{tabular} & ENG & \begin{tabular}{l}
[0 or 1 / 0 / 1/step] \\
0 : broke \\
1: continued
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Detects continuity (whether a harness is broken of short circuited) of 24VS2 line on IOB circuit board. ( 0 : broke, 1: continued)} \\
\hline \multirow{2}{*}{082} & Left Exit Cover Sensor & ENG & \begin{tabular}{l}
[ 0 or \(1 / 0\) / 1/step] \\
0 : close \\
1: open
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Detects open/close of the left carry cover open/close sensor (left paper exit tray) and the relay carry cover open/close sensor (bridge unit). \\
(0: close, 1: open)
\end{tabular}} \\
\hline \multirow{2}{*}{083} & Upper Exit Cover Sensor & ENG & \begin{tabular}{l}
[ 0 or \(1 / 0 / 1 /\) step] \\
0 : close \\
1: open
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Detects open/close of the upper carry cover open/close sensor (left paper exit tray) and the relay paper exit cover open/close sensor (bridge unit). \\
(0: close, 1: open)
\end{tabular}} \\
\hline \multirow[t]{2}{*}{084} & Shift Tray: Set Detection System & ENG & \begin{tabular}{l}
[ 0 or \(1 / 0 / 1 /\) step] 01: set \\
11:not set
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Detects that shift tray is set to main unit. (01: set, 11:not set)} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[t]{2}{*}{085} & Shift Tray: Position Sensor 1 & ENG & \begin{tabular}{l}
[ 0 or \(1 / 0 / 1 /\) step] \\
0 : Stop on this side. during moving towards inner \\
1: Stop on inner side. during moving towards this side
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Detects shift tray position. \\
(0: Stop on this side. during moving towards inner, \\
1: Stop on inner side. during moving towards this side)
\end{tabular}} \\
\hline \multirow{2}{*}{086} & Shift Tray: Position Sensor 2 & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{*It its a backup sensor with this machine, so "1" is always displayed)} \\
\hline \multirow{2}{*}{087} & \begin{tabular}{l}
SI Bypass SF Paper Contact \\
Sensor: Front
\end{tabular} & ENG & [0.000 to \(3.300 / 0.000\) / 0.001V] \\
\hline & \multicolumn{3}{|l|}{Detects side fence position of one action bypass in analog value, and displays sensor output value.} \\
\hline \multirow{2}{*}{088} & \begin{tabular}{l}
SI Bypass SF Paper Contact \\
Sensor: Rear
\end{tabular} & ENG & [0.000 to \(3.300 / 0.000 / 0.001 \mathrm{~V}\) ] \\
\hline & \multicolumn{3}{|l|}{Detects side fence position of one action bypass in analog value, and displays sensor output value.} \\
\hline \multirow{2}{*}{089} & SI Bypass SF Position Sensor & ENG & [88 to 325 / 88 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Displays output value for side fence position sensor of one action bypass.} \\
\hline \multirow{2}{*}{090} & PCU Lubricant End Sensor:Y & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Not available with C1} \\
\hline \multirow{2}{*}{091} & PCU Lubricant End Sensor:M & ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Not available with C1} \\
\hline \multirow{2}{*}{092} & PCU Lubricant End Sensor:C & ENG & [0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Not available with C1} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{093} & PCU Lubricant End Sensor:K & ENG & \begin{tabular}{l}
[ 0 or \(1 / 0\) / 1/step] \\
0 : Not end \\
1: End
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Detects whether lubricant of \(\operatorname{PCU}(\mathrm{K})\) is end or not. \\
(0: Not end, 1: End) \\
*Only available with c/d/e models.
\end{tabular}} \\
\hline \multirow{2}{*}{094} & GAVD Open/Close Detection & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{For checking door open/close during process. No need to operate} \\
\hline \multirow[t]{2}{*}{095} & \begin{tabular}{l}
Left Exit Tray 24V Fuse \\
Detection
\end{tabular} & ENG & \begin{tabular}{l}
[ 0 or \(1 / 0\) / 1/step] \\
0 : Not cut \\
1: Cut
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Detects state of 24 V fuse on the bridge unit. \\
(0: Not cut, 1: Cut)
\end{tabular}} \\
\hline \multirow[t]{2}{*}{096} & Left Exit Tray 5V Fuse Detection & ENG & \begin{tabular}{l}
[0 or \(1 / 0\) / 1/step] \\
0 : Not cut \\
1: Cut
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Detects state of 5 V fuse on the bridge unit. \\
(0: Not cut, 1: Cut)
\end{tabular}} \\
\hline \multirow[t]{2}{*}{097} & \begin{tabular}{l}
Fusing Shading Plate Sensor \\
/1
\end{tabular} & ENG & \begin{tabular}{l}
[0 or 1 / 0 / 1/step] \\
0 : Not shading \\
1: shading
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Detects position of fusing shade plate. \\
(0: Not shading 1: shading)
\end{tabular}} \\
\hline \multirow[t]{2}{*}{098} & Fusing Shading Plate Sensor
/2 & ENG & \begin{tabular}{l}
[0 or 1 / 0 / 1/step] \\
0 : Not shading \\
1: shading
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Detects position of fusing shade plate. \\
(0: Not shading 1: shading)
\end{tabular}} \\
\hline \multirow{2}{*}{200} & HP Senser & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Tests the scanner HP sensor.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{201} & Platen Cover Sensor & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Tests the book open/close sensor.} \\
\hline \multirow[t]{2}{*}{202} & SI Bypass Side Fence Position Sensor- & ENG & [0.000 to 3.300 / 0.000 / 0.001V/step] \\
\hline & \multicolumn{3}{|l|}{Displays output for side fence position sensor of one action bypass.} \\
\hline \multirow{2}{*}{5803} & \multicolumn{3}{|l|}{[INPUT Check]} \\
\hline & \multicolumn{3}{|l|}{Gets information of specified sensor.} \\
\hline 211 & Bank: Tray3: Feed Sensor & ENG & \multirow{6}{*}{\begin{tabular}{l}
[ 0 or 1 / 0 / 1/step] \\
0 : paper not detected \\
1: paper detected.
\end{tabular}} \\
\hline 212 & Bank: Tray4: Feed Sensor & ENG & \\
\hline 213 & Bank: Tray5: Feed Sensor & ENG & \\
\hline 214 & Bank: Tray3: Transport Sensor & ENG & \\
\hline 215 & Bank: Tray4: Transport Sensor & ENG & \\
\hline 216 & Bank: Tray5: Transport Sensor & ENG & \\
\hline 217 & Bank: Feed Cover Open Detection 1 & ENG & \\
\hline 218 & Bank: Feed Cover Open Detection 2 & ENG & \begin{tabular}{l}
0 : cover open \\
1: cover closed
\end{tabular} \\
\hline 219 & LCT Paper Supply Open/Close & ENG & \\
\hline 220 & LCT Slide Open/Close & ENG & \begin{tabular}{l}
[ 0 or \(1 / 0\) / \(1 /\) step] \\
0 : slide open \\
1: slide closed
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{6007} & \multicolumn{3}{|l|}{[ADF INPUT Check]} \\
\hline & \multicolumn{3}{|l|}{Gets sensor information from ADF. Displays signal level of sensor as it is.} \\
\hline 001 & \begin{tabular}{l}
Original Length 1 (B5 \\
Detection Sensor)
\end{tabular} & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline 002 & \begin{tabular}{l}
Original Length 2 (A4 \\
Detection Sensor)
\end{tabular} & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline 003 & \begin{tabular}{l}
Original Length 3 (LG \\
Detection Sensor)
\end{tabular} & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline 004 & Original Width 1 & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline 005 & Original Width 2 & ENG & [0 or 1 / 0 / 1/step] \\
\hline 006 & Original Width 3 & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline 007 & Original Width 4 & ENG & [0 or 1 / 0 / 1/step] \\
\hline 008 & Original Width 5 & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline 009 & Original Detection & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline 011 & Skew Correction & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline 013 & Registration Sensor & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline 014 & Exit Sensor & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline 015 & Feed Cover Sensor & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline 016 & Lift Up Sensor & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline 023 & Rear Edge Detection & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline
\end{tabular}

\begin{tabular}{|c|c|c|c|}
\hline & \multicolumn{3}{|l|}{Gets sensor information from ADF. Gives 1 when there is a paper at sensor area.} \\
\hline \multirow[b]{2}{*}{003} & Original Length 3 (LG Sensor) & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Gets sensor information from ADF. Gives 1 when there is a paper at sensor area.} \\
\hline \multirow[b]{2}{*}{004} & Original Width 1 & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Gets sensor information from ADF. Gives 1 when there is a paper at sensor area.} \\
\hline \multirow[b]{2}{*}{005} & Original Width 2 & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Gets sensor information from ADF. Gives 1 when there is a paper at sensor area.} \\
\hline \multirow[b]{2}{*}{006} & Original Width 3 & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Gets sensor information from ADF. Gives 1 when there is a paper at sensor area.} \\
\hline \multirow[b]{2}{*}{007} & Original Width 4 & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Gets sensor information from ADF. Gives 1 when there is a paper at sensor area.} \\
\hline \multirow[b]{2}{*}{008} & Original Width 5 & ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Gets sensor information from ADF. Gives 1 when there is a paper at sensor area.} \\
\hline \multirow{2}{*}{009} & Original Detection & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Gets sensor information from ADF. Gives 1 when original is set.} \\
\hline \multirow[b]{2}{*}{010} & Separation Sensor & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Gets sensor information from ADF. Gives 1 when there is a paper at sensor area.} \\
\hline \multirow[b]{2}{*}{011} & Skew Correction & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Gets sensor information from ADF. Gives 1 when there is a paper at sensor area.} \\
\hline 012 & Scan Entrance Sensor & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline & \multicolumn{3}{|l|}{Gets sensor information from ADF. Gives 1 when there is a paper at sensor area.} \\
\hline \multirow[b]{2}{*}{013} & Registration Sensor & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Gets sensor information from ADF. Gives 1 when there is a paper at sensor area.} \\
\hline \multirow[b]{2}{*}{014} & Exit Sensor & ENG & [ 0 or \(1 / 0\) / \(1 /\) step] \\
\hline & \multicolumn{3}{|l|}{Gets sensor information from ADF. Gives 1 when there is a paper at sensor area.} \\
\hline \multirow{2}{*}{015} & Feed Cover Sensor & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Gets sensor information from ADF. Gives 1 when cover is open.} \\
\hline \multirow{2}{*}{016} & Lift Up Sensor & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Gets sensor information from ADF. Gives 1 when lift up.} \\
\hline \multirow[b]{2}{*}{018} & Pick-Up Roller HP Sensor & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Gets sensor information from ADF. Gives 1 when pick up roller is not in home position.} \\
\hline \multirow[b]{2}{*}{021} & Bottom Plate HP Sensor & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Gets sensor information from ADF. Gives 1 when bottom plate is not in home position.} \\
\hline \multirow[b]{2}{*}{022} & Bottom Plate Position Sensor & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Gets sensor information from ADF. Gives 1 when pick up roller is not in the correct position.} \\
\hline \multirow{2}{*}{023} & Original Length 4 (LT/A4 Tail Sensor) & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Gets sensor information from ADF. Gives 1 when there is a paper at sensor area.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 6123 & \multicolumn{3}{|l|}{[INPUT Check: 2K/3K FIN]} \\
\hline \multirow{2}{*}{001} & Entrance Sensor & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Gets information of specified sensor. Displays signal level of sensor as it is.} \\
\hline \multirow{2}{*}{002} & Horizontal Transport Sensor & ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Gets information of specified sensor. Displays signal level of sensor as it is.} \\
\hline \multirow{2}{*}{003} & Switchback Transport Sensor & ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Gets information of specified sensor. Displays signal level of sensor as it is.} \\
\hline \multirow{2}{*}{004} & Proof Tray Exit Sensor & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Gets information of specified sensor. Displays signal level of sensor as it is.} \\
\hline \multirow{2}{*}{005} & Shift Tray Exit Sensor & ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Gets information of specified sensor. Displays signal level of sensor as it is.} \\
\hline \multirow{2}{*}{006} & Booklet Stapler Exit Sensor & ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Gets information of specified sensor. Displays signal level of sensor as it is.} \\
\hline \multirow[t]{2}{*}{007} & \begin{tabular}{l}
Paper Exit Open/Close Guide \\
HP Sensor
\end{tabular} & ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Gets information of specified sensor. Displays signal level of sensor as it is.} \\
\hline \multirow{2}{*}{008} & Punch HP Sensor & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Gets information of specified sensor. Displays signal level of sensor as it is.} \\
\hline \multirow{2}{*}{009} & Punch Move HP Sensor & ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Gets information of specified sensor. Displays signal level of sensor as it is.} \\
\hline \multirow[t]{2}{*}{010} & S-to-S Registration Detection HP Sensor & ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Gets information of specified sensor. Displays signal level of sensor as it is.} \\
\hline \multirow[t]{2}{*}{011} & \begin{tabular}{l}
Lower Junction Solenoid HP \\
Sensor
\end{tabular} & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Gets information of specified sensor. Displays signal level of sensor as it is.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{012} & Jogger HP Sensor & ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Gets information of specified sensor. Displays signal level of sensor as it is.} \\
\hline \multirow{2}{*}{013} & Positioning Roller HP Sensor & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Gets information of specified sensor. Displays signal level of sensor as it is.} \\
\hline \multirow{2}{*}{014} & Feed-out HP Sensor & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Gets information of specified sensor. Displays signal level of sensor as it is.} \\
\hline \multirow{2}{*}{015} & Stapler Moving HP Sensor & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Gets information of specified sensor. Displays signal level of sensor as it is.} \\
\hline \multirow{2}{*}{016} & Booklet Stapler HP Sensor & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Gets information of specified sensor. Displays signal level of sensor as it is.} \\
\hline \multirow{2}{*}{017} & Booklet Jogger HP Sensor & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Gets information of specified sensor. Displays signal level of sensor as it is.} \\
\hline \multirow[t]{2}{*}{018} & \begin{tabular}{l}
Booklet Jog Solenoid HP \\
Sensor
\end{tabular} & ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Gets information of specified sensor. Displays signal level of sensor as it is.} \\
\hline \multirow[t]{2}{*}{019} & Booklet Standard Fence HP Sensor & ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Gets information of specified sensor. Displays signal level of sensor as it is.} \\
\hline \multirow{2}{*}{020} & Booklet Stapler HP Sensor & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Gets information of specified sensor. Displays signal level of sensor as it is.} \\
\hline \multirow{2}{*}{022} & Folder Blade Cam HP Sensor & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Gets information of specified sensor. Displays signal level of sensor as it is.} \\
\hline \multirow{2}{*}{023} & Folder Blade HP Sensor & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Gets information of specified sensor. Displays signal level of sensor as it is.} \\
\hline \multirow{2}{*}{024} & Shift Roller HP Sensor & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Gets information of specified sensor. Displays signal level of sensor as it is.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{025} & Shift Jogger HP Sensor: Front & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Gets information of specified sensor. Displays signal level of sensor as it is. \\
* Not use: currently, VOLGA-B does not have setting jogger in system configuration.
\end{tabular}} \\
\hline \multirow[b]{2}{*}{026} & Shift Jogger HP Sensor: Rear & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Gets information of specified sensor. Displays signal level of sensor as it is. * Not use: currently, VOLGA-B does not have setting jogger in system configuration.} \\
\hline \multirow[b]{2}{*}{027} & Shift Jogger Retraction HP Sensor & ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Gets information of specified sensor. Displays signal level of sensor as it is. * Not use: currently, VOLGA-B does not have setting jogger in system configuration.} \\
\hline \multirow[t]{2}{*}{028} & \begin{tabular}{l}
Drag Roller Vibrating HP \\
Sensor
\end{tabular} & ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Gets information of specified sensor. Displays signal level of sensor as it is.} \\
\hline \multirow{2}{*}{029} & LE Guide HP Sensor & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Gets information of specified sensor. Displays signal level of sensor as it is.} \\
\hline \multirow{2}{*}{030} & TE Stack Plate HP Sensor & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Gets information of specified sensor. Displays signal level of sensor as it is.} \\
\hline \multirow{2}{*}{031} & Staple Tray Paper Sensor & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Gets information of specified sensor. Displays signal level of sensor as it is.} \\
\hline \multirow{2}{*}{032} & ITB Paper Sensor & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Gets information of specified sensor. Displays signal level of sensor as it is.} \\
\hline \multirow[t]{2}{*}{033} & \begin{tabular}{l}
Booklet Stapler Transport \\
Paper Sn: Upper
\end{tabular} & ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Gets information of specified sensor. Displays signal level of sensor as it is.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[t]{2}{*}{034} & \begin{tabular}{l}
Booklet Stapler Transport \\
Paper Sn: Lower
\end{tabular} & ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Gets information of specified sensor. Displays signal level of sensor as it is.} \\
\hline \multirow{2}{*}{035} & Paper Height Sensor: Shift & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Gets information of specified sensor. Displays signal level of sensor as it is.} \\
\hline \multirow[t]{2}{*}{036} & Corner Stapler Paper Height Sensor 1 & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Gets information of specified sensor. Displays signal level of sensor as it is.} \\
\hline \multirow[t]{2}{*}{037} & Corner Stapler Paper Height Sensor 2 & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Gets information of specified sensor. Displays signal level of sensor as it is.} \\
\hline \multirow{2}{*}{038} & Proof Tray Full Sensor & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Gets information of specified sensor. Displays signal level of sensor as it is.} \\
\hline \multirow{2}{*}{039} & Booklet Stapler Full Sensor 1 & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Gets information of specified sensor. Displays signal level of sensor as it is.} \\
\hline \multirow{2}{*}{040} & Booklet Stapler Full Sensor 2 & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Gets information of specified sensor. Displays signal level of sensor as it is.} \\
\hline \multirow[t]{2}{*}{041} & S-to-S Registration Detection Sensor & ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Gets information of specified sensor. Displays signal level of sensor as it is.} \\
\hline \multirow{2}{*}{042} & Punch RPS Sensor & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Gets information of specified sensor. Displays signal level of sensor as it is.} \\
\hline \multirow[t]{2}{*}{043} & Corner Stapler Leading Edge Detection Sensor & ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Gets information of specified sensor. Displays signal level of sensor as it is.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[t]{2}{*}{044} & Corner Stapler Staple End Sensor & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Gets information of specified sensor. Displays signal level of sensor as it is.} \\
\hline \multirow[t]{2}{*}{045} & \begin{tabular}{l}
Booklet Stapler Staple End \\
Sensor: Front
\end{tabular} & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Gets information of specified sensor. Displays signal level of sensor as it is.} \\
\hline \multirow[t]{2}{*}{046} & Booklet Stapler Staple End Sensor: Rear & ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Gets information of specified sensor. Displays signal level of sensor as it is.} \\
\hline \multirow[t]{2}{*}{047} & Shift Tray Lower Limit Sensor 1 & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Gets information of specified sensor. Displays signal level of sensor as it is.} \\
\hline \multirow[t]{2}{*}{048} & Shift Tray Lower Limit Sensor
\[
2
\] & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Gets information of specified sensor. Displays signal level of sensor as it is.} \\
\hline \multirow[t]{2}{*}{049} & Shift Tray Lower Limit Sensor 3 & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Gets information of specified sensor. Displays signal level of sensor as it is.} \\
\hline \multirow[t]{2}{*}{050} & \begin{tabular}{l}
Shift Tray Lower Limit Sensor \\
4
\end{tabular} & ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Gets information of specified sensor. Displays signal level of sensor as it is.} \\
\hline \multirow[t]{2}{*}{051} & \begin{tabular}{l}
Shift Tray Lower Limit Sensor \\
5
\end{tabular} & ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Gets information of specified sensor. Displays signal level of sensor as it is.} \\
\hline \multirow{2}{*}{052} & Punch Chad Full Sensor & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Gets information of specified sensor. Displays signal level of sensor as it is.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[t]{2}{*}{053} & Punch Set Detection & ENG & \begin{tabular}{l}
[ 0 or \(1 / 0\) / 1/step] \\
0 : connected \\
1: not connected
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Gets connection status of punch unit.} \\
\hline \multirow{2}{*}{054} & Shift Jogger Set Detection & ENG & \begin{tabular}{l}
[ 0 or \(1 / 0 / 1 /\) step] \\
0 : connected \\
1: not connected
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Gets connection status of setting jogger unit. \\
* Not use: currently, VOLGA-B does not have setting jogger in system configuration.
\end{tabular}} \\
\hline \multirow[t]{2}{*}{055} & Booklet Stapler Set Detection & ENG & \begin{tabular}{l}
[ 0 or \(1 / 0\) / 1/step] \\
0 : not connected \\
1: connected
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Gets connection status of saddle stitch unit.} \\
\hline \multirow{2}{*}{056} & Front Door SW & ENG & [ 0 or \(1 / 0 / 1 /\) step] \\
\hline & \multicolumn{3}{|l|}{Gets information of specified switch. Displays signal level of switch as it is.} \\
\hline \multirow[t]{2}{*}{057} & Dynamic Roller Open/Close Guide Plate Sensor & ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Gets information of specified switch. Displays signal level of switch as it is.} \\
\hline \multirow{2}{*}{058} & Tray Upper Limit SW & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Gets information of specified switch. Displays signal level of switch as it is.} \\
\hline \multirow[t]{2}{*}{059} & Paper Exit Open/Close Guide Plate Limit SW & ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Gets information of specified switch. Displays signal level of switch as it is.} \\
\hline \multirow{2}{*}{060} & Punch Selection DIPSW 1 & ENG & [ 0 or \(1 / 0\) / \(1 /\) step] \\
\hline & \multicolumn{3}{|l|}{Gets information of specified switch. Displays signal level of switch as it is.} \\
\hline \multirow{2}{*}{061} & Punch Selection DIPSW 2 & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Gets information of specified switch. Displays signal level of switch as it is.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{6135} & \multicolumn{3}{|l|}{[INPUT Check: FrontFIN]} \\
\hline & \multicolumn{3}{|l|}{Gets information of specified sensor. Displays signal level of sensor as it is.} \\
\hline 001 & Entrance Sensor & *ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline 002 & Carry Sensor & *ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline 003 & Exit Sensor & *ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline 004 & Staple Tray Paper Sensor & *ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline 005 & Front Jogger HP Sensor & *ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline 006 & Rear Jogger HP Sensor & *ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline 007 & Sft Roller HP Sensor & *ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline 008 & Hitroll HP Sensor & *ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline 009 & Ext Guide Plate HP Sensor & *ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline 010 & Staple Moving HP Sensor & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline 011 & Shift Tray Paper Sensor & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline 012 & Shift Tray Limit Sensor & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline 013 & Staple Rotation Sensor & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline 014 & Staple Near End Sensor & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline 015 & Self Priming Sensor & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline 016 & Stopper HP Sensor & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline 017 & Punch HP Sensor & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline 018 & Punch Pluse Count Sensor & ENG & [0 or 1 / 0 / 1/step] \\
\hline 019 & Punch Chad Full Sensor & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline 020 & Punch Moving HP Sensor & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline 021 & Punch Registration Detection HP Sensor & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline 022 & Punch Registration Detection Sensor & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|r|l|c|l|}
\hline \multirow{2}{*}{6135} & \multicolumn{3}{|l|}{ [INPUT Check: FrontFIN] } \\
\cline { 2 - 4 } & Gets information of specified switch. Displays signal level of switch as it is. \\
\hline 023 & Slide Door SW & ENG & {\([0\) or \(1 / 0\) / 1/step \(]\)} \\
\hline 024 & Shift Tray Upper Limit SW & ENG & {\([0\) or \(1 / 0\) / 1/step \(]\)} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{3}{*}{\begin{tabular}{l}
6161 \\
001
\end{tabular}} & \multicolumn{3}{|l|}{[FIN (1K FIN) INPUT Check]} \\
\hline & \multicolumn{3}{|l|}{Gets information of specified sensor. Displays signal level of sensor as it is.} \\
\hline & Entrance Sensor & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline 002 & Upper Cover Open/Close Sensor & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline 003 & Proof Tray Exit Sensor & ENG & [0 or 1 / 0 / 1/step] \\
\hline 004 & Proof Tray Full Sensor & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline 005 & Shift HP Sensor & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline 006 & \begin{tabular}{l}
Exit Guide Plate Open/Close \\
HP Sensor
\end{tabular} & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline 007 & Shift Paper Exit (Lift Tray Exit) Sensor & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline 008 & Positioning Roller HP Sensor & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline 009 & Lift Tray Paper Sensor & ENG & [0 or 1 / 0 / 1/step] \\
\hline 010 & Jogger HP Sensor & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline 011 & Feed Out HP Sensor & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline 012 & Lift Tray Lower Limit Sensor (Upper) & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline 013 & Lift Tray Lower Limit Sensor (Lower) & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline 014 & Staple Tray Paper Sensor & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline 015 & Stapler Moving HP Sensor & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 016 & \begin{tabular}{l}
Near End Sensor (Common: \\
Corner/Bklt Stplr)
\end{tabular} & ENG & [0 or 1 / 0 / 1/step] \\
\hline 017 & Self Priming Sensor (Common:Crnr/Bklt Stplr) & ENG & [0 or 1 / 0 / 1/step] \\
\hline 018 & \begin{tabular}{l}
Driver HP Sensor \\
(Corner/Booklet Stapler)
\end{tabular} & ENG & [0 or 1 / 0 / 1/step] \\
\hline 019 & \begin{tabular}{l}
Driver Timing \\
Sensor(Corner/Booklet \\
Stapler)
\end{tabular} & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline 020 & Clincher HP Sensor (Corner/Booklet Stapler) & ENG & [0 or 1 / 0 / 1/step] \\
\hline 021 & Clincher Timing Sensor (Corner/Bklt Stapler) & ENG & [0 or 1 / 0 / 1/step] \\
\hline 022 & Stapler Retraction Sensor & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline 023 & Punch HP Sensor & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline 024 & Punch RP Sensor & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline 025 & Punch Hopper Full Sensor & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline 026 & Punch Move HP Sensor & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline 027 & \begin{tabular}{l}
S-to-S Registration Detection \\
HP Sensor
\end{tabular} & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline 028 & S-to-S Registration Detection Sensor & ENG & [0 or 1 / 0 / 1/step] \\
\hline \multirow{2}{*}{6161} & \multicolumn{3}{|l|}{[FIN (1K FIN) INPUT Check]} \\
\hline & \multicolumn{3}{|l|}{Gets information of specified switch. Displays signal level of switch as it is.} \\
\hline 029 & Punch Selection DIPSW 1 & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline 030 & Punch Selection DIPSW 2 & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{6161} & \multicolumn{3}{|l|}{[FIN (1K FIN) INPUT Check]} \\
\hline & \multicolumn{3}{|l|}{Gets information of specified sensor. Displays signal level of sensor as it is.} \\
\hline 031 & ITB Transport Sensor: Right & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline 032 & ITB Transport Sensor: Left & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline 033 & Stack Transport Sensor & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline 034 & \begin{tabular}{l}
Stack Trans Upper Pressure \\
Release HP Sensor
\end{tabular} & ENG & [0 or 1 / 0 / 1/step] \\
\hline 035 & \begin{tabular}{l}
Stack Trans Lower Pressure \\
Release HP Sensor
\end{tabular} & ENG & [0 or 1 / 0 / 1/step] \\
\hline 036 & Fold Blade HP Sensor & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline 037 & Fold Cam HP Sensor & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline 038 & TE Stopper Transport Sensor & ENG & [0 or 1 / 0 / 1/step] \\
\hline 039 & TE Stopper HP Sensor & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline 040 & Booklet Folder Exit Sensor & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline 041 & \begin{tabular}{l}
Booklet Folder Tray Full \\
Sensor: Upper
\end{tabular} & ENG & [0 or 1 / 0 / 1/step] \\
\hline 042 & \begin{tabular}{l}
Booklet Folder Tray Full \\
Sensor: Lower
\end{tabular} & ENG & [0 or 1 / 0 / 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|r|l|c|l|}
\hline \multirow{2}{*}{6161} & \multicolumn{3}{|l|}{ [FIN (1K FIN) INPUT Check] } \\
\cline { 2 - 4 } & \multicolumn{3}{|l|}{ Gets information of specified switch. Displays signal level of switch as it is. } \\
\hline 043 & Door Open/Close SW & ENG & {\([0\) or \(1 / 0\) / \(1 /\) step \(]\)} \\
\hline 044 & Lift Tray Upper Limit SW & ENG & {\([0\) or \(1 / 0\) / 1/step \(]\)} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 6170 & \multicolumn{3}{|l|}{[Bridge: INPUT Check]} \\
\hline \multirow[b]{2}{*}{001} & Bridge Exit Sensor & ENG & [ 0 or \(1 / 0 / 1 /\) step] \\
\hline & \multicolumn{3}{|l|}{Gets information from sensor (relay paper exit sensor... internal paper exit part) of bridge unit.} \\
\hline \multirow[b]{2}{*}{002} & Bridge Relay Sensor & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Gets information from sensor (relay carry sensor... relay carry to finisher) of bridge unit.} \\
\hline \multirow{2}{*}{003} & Bridge Set Detection & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Gets connection information of bridge unit and main unit. When connected, 1.} \\
\hline \multirow[b]{2}{*}{004} & Bridge Exit Cover & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Gets micro SW information of bridge unit. When cover open, 1. Main unit paper exit cover.} \\
\hline \multirow[b]{2}{*}{005} & Bridge Relay Cover & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Gets micro SW information of bridge unit. When cover open, 1. Finisher side cover.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 6172 & \multicolumn{3}{|l|}{[Shift Tray: INPUT Check]} \\
\hline \multirow{2}{*}{001} & Shift Tray Set Detection & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Gets connection information of shift tray and main unit. When connected, 1.} \\
\hline \multirow{2}{*}{002} & Shift Tray Position Sensor & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Gets shift tray position sensor information.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 6174 & \multicolumn{3}{|l|}{[1 Bin: INPUT Check]} \\
\hline & 1 Bin Set Detection & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Gets connection information of 1 bin and main unit. When connected, 1.} \\
\hline \multirow{2}{*}{002} & 1bin Paper Detection Sensor & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Gets paper existence sensor information from 1 bin.} \\
\hline
\end{tabular}

\subsection*{3.2 OUTPUT CHECK TABLE}
\begin{tabular}{|c|c|c|c|}
\hline 5804 & \multicolumn{3}{|l|}{[OUTPUT Check]} \\
\hline \multirow{2}{*}{001} & Feed Pickup Solenoid 1 & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Moves 1st paper feed tray pick up solenoid.} \\
\hline \multirow{2}{*}{002} & Feed Pickup Solenoid 2 & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Moves 2nd paper feed tray pick up solenoid.} \\
\hline \multirow{2}{*}{003} & Bypass Pickup Solenoid & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Moves bypass pick up solenoid.} \\
\hline \multirow{2}{*}{004} & Exit Junction Solenoid & ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Moves output paper divide solenoid.} \\
\hline \multirow{2}{*}{5804} & \multicolumn{3}{|l|}{[OUTPUT Check]} \\
\hline & \multicolumn{3}{|l|}{Moves paper feed tray rising motor.} \\
\hline 005 & Tray 1 Lift Motor:CW & ENG & \multirow{4}{*}{[0 or 1 / 0 / 1/step]} \\
\hline 006 & Tray 1 Lift Motor:CCW & ENG & \\
\hline 007 & Tray 2 Lift Motor:CW & ENG & \\
\hline 008 & Tray 2 Lift Motor:CCW & ENG & \\
\hline \multirow{2}{*}{5804} & \multicolumn{3}{|l|}{[OUTPUT Check]} \\
\hline & \multicolumn{3}{|l|}{Moves register motor.} \\
\hline 009 & Regist Motor:CCW:Standard Speed & ENG & \\
\hline 010 & \begin{tabular}{l}
Regist Motor:CCW:Middle \\
Speed
\end{tabular} & ENG & [0 or 1 / 0 / 1/step] \\
\hline 011 & \begin{tabular}{l}
Regist Motor:CCW:Low \\
Speed
\end{tabular} & ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 5804 & \multicolumn{3}{|l|}{[OUTPUT Check]} \\
\hline \multirow{2}{*}{015} & Regist Motor:Position Hold & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Holds position of register motor.} \\
\hline \multirow{2}{*}{5804} & \multicolumn{3}{|l|}{[OUTPUT Check]} \\
\hline & \multicolumn{3}{|l|}{Moves paper feed motor.} \\
\hline 016 & \begin{tabular}{l}
Feed Motor:CW:Standard \\
Speed
\end{tabular} & ENG & \multirow{6}{*}{[0 or 1 / 0 / 1/step]} \\
\hline 017 & Feed Motor:CW:Middle Speed & ENG & \\
\hline 018 & Feed Motor:CW:Low Speed & ENG & \\
\hline 022 & Feed Motor:CCW:Standard Speed & ENG & \\
\hline 023 & \begin{tabular}{l}
Feed Motor:CCW:Middle \\
Speed
\end{tabular} & ENG & \\
\hline 024 & Feed Motor:CCW:Low Speed & ENG & \\
\hline \multirow{2}{*}{5804} & \multicolumn{3}{|l|}{[OUTPUT Check]} \\
\hline & \multicolumn{3}{|l|}{Moves vertical carry motor.} \\
\hline 028 & \begin{tabular}{l}
Bypass V-Transport \\
Motor:CW:Std Speed
\end{tabular} & ENG & \\
\hline 029 & \begin{tabular}{l}
Bypass V-Transport \\
Motor:CW:Middle Speed
\end{tabular} & ENG & [0 or 1 / 0 / 1/step] \\
\hline 030 & \begin{tabular}{l}
Bypass V-Transport \\
Motor:CW:Low Speed
\end{tabular} & ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 5804 & \multicolumn{3}{|l|}{[OUTPUT Check]} \\
\hline \multirow[t]{2}{*}{034} & \begin{tabular}{l}
Bypass V-Transport \\
Motor:Position Hold
\end{tabular} & ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Holds position of vertical carry motor.} \\
\hline \multirow[t]{2}{*}{037} & Exit Motor: CW: Fusing Pressure Release & ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Moves fusing dis-pressure.} \\
\hline \multirow{2}{*}{5804} & \multicolumn{3}{|l|}{[OUTPUT Check]} \\
\hline & \multicolumn{3}{|l|}{Moves paper exit motor.} \\
\hline 041 & Exit Motor:CCW:Standard Speed & ENG & \multirow{3}{*}{[0 or 1 / 0 / 1/step]} \\
\hline 042 & Exit Motor:CCW:Middle Speed & ENG & \\
\hline 043 & Exit Motor:CCW:Low Speed & ENG & \\
\hline \multirow{2}{*}{5804} & \multicolumn{3}{|l|}{[OUTPUT Check]} \\
\hline & \multicolumn{3}{|l|}{Moves reverse motor.} \\
\hline 047 & Inverter Motor:CW:Standard Speed & ENG & \multirow{7}{*}{[0 or 1 / 0 / 1/step]} \\
\hline 048 & Inverter Motor:CW:Middle Speed & ENG & \\
\hline 049 & Inverter Motor:CW:Low Speed & ENG & \\
\hline 052 & Inverter Mt: CW: Normal Speed: Duplex & ENG & \\
\hline 054 & Inverter Mt: CW: Low Speed: Duplex & ENG & \\
\hline 056 & Inverter Motor:CCW:Standard Speed & ENG & \\
\hline 057 & Inverter Motor:CCW:Middle Speed & ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|l|c|c|}
\hline 058 & \begin{tabular}{l} 
Inverter Motor:CCW:Low \\
Speed
\end{tabular} & ENG & \\
\hline 061 & \begin{tabular}{l} 
Inverter Mt: CCW: Normal \\
Speed: Inc Speed
\end{tabular} & ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{5804} & \multicolumn{3}{|l|}{[OUTPUT Check]} \\
\hline & \multicolumn{3}{|l|}{Moves duplex entrance motor.} \\
\hline 065 & \begin{tabular}{l}
Duplex Entrance \\
Motor:CW:Standard Speed
\end{tabular} & ENG & \\
\hline 066 & \begin{tabular}{l}
Duplex Entrance \\
Motor:CW:Middle Speed
\end{tabular} & ENG & \\
\hline 067 & Duplex Entrance Motor:CW:Low Speed & ENG & [0 or 1 / 0 / 1/step] \\
\hline 068 & \begin{tabular}{l}
Duplex Entrance Motor: \\
Normal Speed: Duplex
\end{tabular} & ENG & \\
\hline 069 & \begin{tabular}{l}
Duplex Entrance Motor: Low \\
Speed: Duplex
\end{tabular} & ENG & \\
\hline \multirow{2}{*}{5804} & \multicolumn{3}{|l|}{[OUTPUT Check]} \\
\hline & \multicolumn{3}{|l|}{Moves duplex bypass motor.} \\
\hline 071 & \begin{tabular}{l}
Duplex Bypass \\
Motor:CW:Standard Speed
\end{tabular} & ENG & \\
\hline 072 & \begin{tabular}{l}
Duplex Bypass \\
Motor:CW:Middle Speed
\end{tabular} & ENG & \\
\hline 073 & \begin{tabular}{l}
Duplex Bypass \\
Motor:CW:Low Speed
\end{tabular} & ENG & \\
\hline 074 & \begin{tabular}{l}
Duplex Bypass Motor: CW: \\
Normal Speed: Dup
\end{tabular} & ENG & [0 or 1 / 0 / 1/step] \\
\hline 075 & \begin{tabular}{l}
Duplex Bypass Motor: CW: \\
Low Speed: Duplex
\end{tabular} & ENG & \\
\hline 077 & \begin{tabular}{l}
Duplex Bypass \\
Motor:CCW:Standard Speed
\end{tabular} & ENG & \\
\hline 078 & \begin{tabular}{l}
Duplex Bypass \\
Motor:CCW:Middle Speed
\end{tabular} & ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 079 & \begin{tabular}{l}
Duplex Bypass \\
Motor:CCW:Low Speed
\end{tabular} & ENG & \\
\hline 080 & \begin{tabular}{l}
Duplex Bypass Motor: CCW: \\
Normal Speed: Feed
\end{tabular} & ENG & \\
\hline 081 & \begin{tabular}{l}
Duplex Bypass Motor: CCWr: \\
Low Speed: Feed
\end{tabular} & ENG & \\
\hline 5804 & \multicolumn{3}{|l|}{[OUTPUT Check]} \\
\hline \multirow[t]{2}{*}{083} & Duplex Bypass Motor:Position Hold & ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Holds position of duplex bypass motor.} \\
\hline \multirow[t]{2}{*}{084} & SI Bypass SF Drive Motor:CW (500pps) & ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Moves SI bypass SF drive motor.} \\
\hline \multirow[t]{2}{*}{085} & \begin{tabular}{l}
SI Bypass SF Dr \\
M:CW:PIsCnt:460PIs(2mm)
\end{tabular} & ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Moves SI bypass SF drive motor for 2 mm .} \\
\hline \multirow[t]{2}{*}{086} & \begin{tabular}{l}
SI Bypass SF Dr \\
M:CW:PIsCnt:920PIs(4mm)
\end{tabular} & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Moves SI bypass SF drive motor for 4 mm .} \\
\hline \multirow[t]{2}{*}{087} & \begin{tabular}{l}
SI Bypass SF Drive \\
Motor:CCW (500pps)
\end{tabular} & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Moves SI bypass SF drive motor.} \\
\hline \multirow[t]{2}{*}{088} & \begin{tabular}{l}
SI Bypass SF Dr \\
M:CCW:PIsCnt:920PIs(2mm)
\end{tabular} & ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Moves SI bypass SF drive motor for 2 mm .} \\
\hline \multirow[t]{2}{*}{089} & \begin{tabular}{l}
SI Bypass SF Dr \\
M:CCW:PIsCnt:920PIs(4mm)
\end{tabular} & ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Moves SI bypass SF drive motor for 4 mm .} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|l|l|}
\hline \multirow{2}{*}{5804} & \multicolumn{2}{|l|}{ [OUTPUT Check] } & \multicolumn{1}{|l|}{ ENG }
\end{tabular}

Important: Use the procedure below to do the output checks for the fusing exit motor. If you do not follow this procedure, a kink will form in the fusing belt sleeve, and the fusing sleeve belt unit will need to be replaced.
1. Do one of the following:
- Open the right cover of the paper bank
- Remove one of the toner bottles
- Pull out the waste toner bottle half-way
- Remove the fusing unit
2. Enter SP mode.
3. Do the following out output checks:
- SP5-804-092 (Fusing Motor:CW:Standard Speed)
- SP5-804-093 (Fusing Motor:CW:Middle Speed)
- SP5-804-094 (Fusing Motor:CW:Low Speed)
- SP5-804-098 (Fusing Motor:CCW:Low Speed)
4. Without exiting SP mode, turn the main power switch off and then on again.

Important: If you exit SP mode before you turn the main power switch off, the fusing exit motor will stay off when the machine warms up. Heat will be concentrated in one area of the fusing belt sleeve and cause a kink to form. If this happens, you will need to replace the fusing sleeve belt unit.
5. Do the reverse of what you did in step 1 (for example, reattach the fusing unit).
\begin{tabular}{|c|c|c|c|}
\hline 5804 & \multicolumn{3}{|l|}{[OUTPUT Check]} \\
\hline \multirow{2}{*}{104} & Polygon Motor: L & ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Runs motor with 21969 rpm .} \\
\hline \multirow{2}{*}{105} & Polygon Motor: M & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Runs motor with 25512 rpm .} \\
\hline \multirow{2}{*}{106} & Polygon Motor: H & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Runs motor with 30236 rpm .} \\
\hline \multirow{2}{*}{107} & Polygon Motor: HH & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Runs motor with 34488 rpm .} \\
\hline \multirow{2}{*}{110} & Fusing Fan: Full Speed & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Moves fusing exhaust heat fan.} \\
\hline \multirow{2}{*}{111} & Fusing Fan: Half Speed & ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Moves fusing exhaust heat fan.} \\
\hline \multirow[t]{2}{*}{112} & Dev Fan: Left/Toner Supply Cooling Fan & ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Moves develop left exhaust air fan and toner supply cooling fan.} \\
\hline \multirow{2}{*}{113} & PSU Cooling Fan & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Moves PSU cooling fan and exhaust heat fan.} \\
\hline \multirow{2}{*}{114} & Ozone Fan & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Moves ozone exhaust heat fan.} \\
\hline \multirow[t]{2}{*}{115} & PCB Box Cooling Fan: Full Speed & ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Moves electric BOX cooling fan.} \\
\hline \multirow[t]{2}{*}{116} & \begin{tabular}{l}
PCB Box Cooling Fan: Half \\
Speed
\end{tabular} & ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Moves electric BOX cooling fan.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{117} & Development: Right Fan & ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Moves main unit exhaust heat fan, develop right exhaust air fan, driver cooler.} \\
\hline \multirow{2}{*}{118} & ExhaustCooling Fan & ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Moves paper exit cooling fan.} \\
\hline \multirow{2}{*}{119} & Development Solenoid & ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Moves develop solenoid.} \\
\hline \multirow{2}{*}{5804} & \multicolumn{3}{|l|}{[OUTPUT Check]} \\
\hline & \multicolumn{3}{|l|}{Moves develop motor.} \\
\hline 120 & \begin{tabular}{l}
Development Motor K: \\
Standard Speed
\end{tabular} & ENG & \multirow{6}{*}{[0 or 1 / 0 / 1/step]} \\
\hline 121 & Development Motor K: Middle Speed & ENG & \\
\hline 122 & Development Motor K: Low Speed & ENG & \\
\hline 128 & Development Motor FC: Standard Speed & ENG & \\
\hline 129 & \begin{tabular}{l}
Development Motor FC: \\
Middle Speed
\end{tabular} & ENG & \\
\hline 130 & Development Motor FC: Low Speed & ENG & \\
\hline \multirow{2}{*}{5804} & \multicolumn{3}{|l|}{[OUTPUT Check]} \\
\hline & \multicolumn{3}{|l|}{Moves drum motor FC.} \\
\hline 132 & Drum Motor FC: Standard Speed & ENG & \multirow{3}{*}{[0 or 1 / 0 / 1/step]} \\
\hline 133 & Drum Motor FC: Middle Speed & ENG & \\
\hline 134 & Drum Motor FC: Low Speed & ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{5804} & \multicolumn{3}{|l|}{[OUTPUT Check]} \\
\hline & \multicolumn{3}{|l|}{Moves transfer drum motor K.} \\
\hline 136 & \begin{tabular}{l}
Transfer Drum Motor K: \\
Standard Speed
\end{tabular} & ENG & \multirow{3}{*}{[ 0 or 1 / 0 / 1/step]} \\
\hline 137 & \begin{tabular}{l}
Transfer Drum Motor K: \\
Middle Speed
\end{tabular} & ENG & \\
\hline 138 & Transfer Drum Motor K: Low Speed & ENG & \\
\hline \multirow{2}{*}{5804} & \multicolumn{3}{|l|}{[OUTPUT Check]} \\
\hline & \multicolumn{3}{|l|}{Moves paper transfer divide motor.} \\
\hline 140 & PTR Contact Motor:CW & ENG & \multirow{2}{*}{[ 0 or 1 / 0 / 1/step]} \\
\hline 141 & PTR Contact Motor:CCW & ENG & \\
\hline \multirow{2}{*}{5804} & \multicolumn{3}{|l|}{[OUTPUT Check]} \\
\hline & \multicolumn{3}{|l|}{Moves toner supply motor.} \\
\hline 142 & \begin{tabular}{l}
Toner Supply Motor Y: \\
Standard Speed
\end{tabular} & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline 146 & \begin{tabular}{l}
Toner Supply Motor \\
M:CCW:Standard Speed
\end{tabular} & ENG & [0 or 1 / 0 / 1/step] \\
\hline \multirow[t]{2}{*}{150} & \begin{tabular}{l}
Toner Supply Motor \\
M:CW:(ITB Contact)
\end{tabular} & ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Moves image transfer divide motor (reverse to toner supply motor M).} \\
\hline 151 & \begin{tabular}{l}
Toner Supply Motor C: \\
Standard Speed
\end{tabular} & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline 155 & \begin{tabular}{l}
Toner Supply Motor K: \\
Standard Speed
\end{tabular} & ENG & [0 or 1 / 0 / 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{5804} & \multicolumn{3}{|l|}{[OUTPUT Check]} \\
\hline & \multicolumn{3}{|l|}{Moves toner bottle drive motor.} \\
\hline 159 & Toner Bottle Drive Motor Y & ENG & \multirow{4}{*}{[0 or 1 / 0 / 1/step]} \\
\hline 160 & Toner Bottle Drive Motor M & ENG & \\
\hline 161 & Toner Bottle Drive Motor C & ENG & \\
\hline 162 & Toner Bottle Drive Motor K & ENG & \\
\hline \multirow[b]{2}{*}{5804} & \multicolumn{3}{|l|}{[OUTPUT Check]} \\
\hline & \multicolumn{3}{|l|}{Moves relay carry motor (bridge unit)/left paper exit carry motor (left paper exit tray).} \\
\hline 163 & Left Exit Motor: Normal Speed & ENG & \multirow{4}{*}{[ 0 or 1 / 0 / 1/step]} \\
\hline 164 & Left Exit Motor: Middle Speed & ENG & \\
\hline 165 & Left Exit Motor: Low Speed & ENG & \\
\hline 166 & Left Ex Mt: Normal Speed Upper & ENG & \\
\hline 5804 & \multicolumn{3}{|l|}{[OUTPUT Check]} \\
\hline \multirow[b]{2}{*}{169} & Left Exit Junction Solenoid & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Moves relay divide solenoid (bridge unit)/left paper exit divide solenoid (left paper exit tray).} \\
\hline \multirow{2}{*}{170} & Shift Tray Motor:CW & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Moves shift tray motor.} \\
\hline \multirow{2}{*}{171} & Shift Tray Motor:CCW & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Moves shift tray motor.} \\
\hline \multirow{2}{*}{172} & Toner End Sensor: K Power & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Supples power to toner end sensor ( K ).} \\
\hline \multirow{2}{*}{173} & Toner End Sensor: FC Power & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Supples power to toner end sensor (FC).} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{175} & Drum PCL: FC & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Lights (PWM drive) the drum PCL (FC).} \\
\hline \multirow{2}{*}{5804} & [OUTPUT Check] & & \\
\hline & \multicolumn{3}{|l|}{Outputs PWM for electrify HVP (DC/AC:Y/M/C/K).} \\
\hline 176 & PP: Charge DC: Y & ENG & \multirow{8}{*}{[0 or 1 / 0 / 1/step]} \\
\hline 177 & PP: Charge DC: M & ENG & \\
\hline 178 & PP: Charge DC: C & ENG & \\
\hline 179 & PP: Charge DC: K & ENG & \\
\hline 180 & PP: Charge AC: Y & ENG & \\
\hline 181 & PP: Charge AC: M & ENG & \\
\hline 182 & PP: Charge AC: C & ENG & \\
\hline 183 & PP: Charge AC: K & ENG & \\
\hline \multirow{2}{*}{5804} & \multicolumn{3}{|l|}{[OUTPUT Check]} \\
\hline & \multicolumn{3}{|l|}{Outputs PWM for develop HVP.} \\
\hline 184 & PP: Development: Y & ENG & \multirow{4}{*}{[0 or 1 / 0 / 1/step]} \\
\hline 185 & PP: Development: M & ENG & \\
\hline 186 & PP: Development: C & ENG & \\
\hline 187 & PP: Development: K & ENG & \\
\hline \multirow{2}{*}{5804} & \multicolumn{3}{|l|}{[OUTPUT Check]} \\
\hline & \multicolumn{3}{|l|}{Outputs PWM for divide HVP.} \\
\hline 194 & PP: Separation & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{5804} & \multicolumn{3}{|l|}{[OUTPUT Check]} \\
\hline & \multicolumn{3}{|l|}{Outputs PWM for transfer HVP (image transfer: Y/M/C/K).} \\
\hline 195 & PP: ITB: Y & ENG & \multirow{4}{*}{[0 or 1 / 0 / 1/step]} \\
\hline 196 & PP: ITB: M & ENG & \\
\hline 197 & PP: ITB: C & ENG & \\
\hline 198 & PP: ITB: K & ENG & \\
\hline \multirow{2}{*}{5804} & \multicolumn{3}{|l|}{[OUTPUT Check]} \\
\hline & \multicolumn{3}{|l|}{Outputs PWM for transfer HVP (paper transfer: +/-).} \\
\hline 199 & PP: PTR: + & ENG & \multirow{2}{*}{[ 0 or 1 / 0 / 1/step]} \\
\hline 200 & PP: PTR: - & ENG & \\
\hline 5804 & \multicolumn{3}{|l|}{[OUTPUT Check]} \\
\hline \multirow[t]{2}{*}{201} & \begin{tabular}{l}
Duplex Guide Plate \\
Open/Close LED
\end{tabular} & ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Lights duplex guide plate open/close LED.} \\
\hline 5804 & \multicolumn{3}{|l|}{[OUTPUT Check]} \\
\hline \multirow[b]{2}{*}{202} & Scanner Lamp & ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Checks output of scanner lamp. \\
Use to check light source malfunction when SC101-01, SC101-02, SC102-00, SC142-00 occurs.
\end{tabular}} \\
\hline \multirow{2}{*}{206} & PTR Open/Close LED & ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Lights paper transfer open/close LED.} \\
\hline \multirow{2}{*}{208} & TM/P Sensor: F & ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Lights TM/P sensor: Front glowing part.} \\
\hline \multirow{2}{*}{209} & TM/P Sensor: C & ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Lights TM/P sensor: Center glowing part.} \\
\hline 210 & TM/P Sensor: R & ENG & [0 or 1 / 0 / 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline & \multicolumn{3}{|l|}{Lights TM/P sensor: Rear glowing part.} \\
\hline \multirow{2}{*}{211} & HST Sensor Power & ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Powers the HST sensor.} \\
\hline \multirow{2}{*}{5804} & \multicolumn{3}{|l|}{[OUTPUT Check]} \\
\hline & \multicolumn{3}{|l|}{Outputs PWM (Vcnt) to HST sensor: Y/M/C/K} \\
\hline 212 & HST Sensor: Y & ENG & \multirow{4}{*}{[0 or 1 / 0 / 1/step]} \\
\hline 213 & HST Sensor: M & ENG & \\
\hline 214 & HST Sensor: C & ENG & \\
\hline 215 & HST Sensor: K & ENG & \\
\hline \multirow[b]{2}{*}{5804} & \multicolumn{3}{|l|}{[OUTPUT Check]} \\
\hline & \multicolumn{3}{|l|}{output check: LD1~LD4:Bk,Ma,Cy,Ye: Bk. Means that polygon lights when rotating.} \\
\hline 216 & LD1: K & ENG & \multirow{14}{*}{[0 or 1 / 0 / 1/step]} \\
\hline 217 & LD2: K & ENG & \\
\hline 218 & LD3: K & ENG & \\
\hline 219 & LD4: K & ENG & \\
\hline 220 & LD1: M & ENG & \\
\hline 221 & LD2: M & ENG & \\
\hline 222 & LD3: M & ENG & \\
\hline 223 & LD4: M & ENG & \\
\hline 224 & LD1: C & ENG & \\
\hline 225 & LD2: C & ENG & \\
\hline 226 & LD3: C & ENG & \\
\hline 227 & LD4: C & ENG & \\
\hline 228 & LD1: Y & ENG & \\
\hline 229 & LD2: Y & ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 230 & LD3: Y & ENG & \\
\hline 231 & LD4: Y & ENG & \\
\hline 5804 & \multicolumn{3}{|l|}{[OUTPUT Check]} \\
\hline \multirow[t]{2}{*}{235} & Fusing Shading Plate M: Stop Pos 1(HP) & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Moves shade plate of fusing Md to home position.} \\
\hline \multirow[t]{2}{*}{236} & Fusing Shading Plate M: Stop Pos 2(A3 3rd) & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Moves shade plate of fusing Md to A3 3rd position.} \\
\hline \multirow[t]{2}{*}{237} & Fusing Shading PIt M: Stop Pos 3(Pstcrd 3) & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Moves shade plate of fusing Md to JP post card 3rd position.} \\
\hline \multirow{2}{*}{5804} & \multicolumn{3}{|l|}{[OUTPUT Check]} \\
\hline & \multicolumn{3}{|l|}{Continuously drives specified motor for operation test.} \\
\hline 241 & \begin{tabular}{l}
Bank: Tray3: Feed Mt: \\
Standard Speed
\end{tabular} & ENG & \multirow{6}{*}{[0 or 1 / 0 / 1/step]} \\
\hline 242 & \begin{tabular}{l}
Bank: Tray4: Feed Mt: \\
Standard Speed
\end{tabular} & ENG & \\
\hline 243 & \begin{tabular}{l}
Bank: Tray5: Feed Mt: \\
Standard Speed
\end{tabular} & ENG & \\
\hline 244 & \begin{tabular}{l}
Bank: Tray3: Transport Mt: \\
Standard Speed
\end{tabular} & ENG & \\
\hline 245 & \begin{tabular}{l}
Bank: Tray4: Transport Mt: \\
Standard Speed
\end{tabular} & ENG & \\
\hline 246 & \begin{tabular}{l}
Bank: Tray5: Transport Mt: \\
Standard Speed
\end{tabular} & ENG & \\
\hline
\end{tabular}
\begin{tabular}{|r|l|c|l|}
\hline \multirow{2}{*}{5804} & \multicolumn{3}{|l|}{ [OUTPUT Check] } \\
\cline { 2 - 3 } & Drives specified motor for a certain period of time to test operation. \\
\hline 247 & Bank: Tray3: PU Solenoid & ENG & \\
\hline 248 & Bank: Tray4: PU Solenoid & ENG & [0 or \(1 / 0 / 1 /\) step] \\
\hline 249 & Bank: Tray5: PU Solenoid & ENG & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{6008} & \multicolumn{3}{|l|}{[ADF OUTPUT Check]} \\
\hline & \multicolumn{3}{|l|}{Checks operation of the load of ADF.} \\
\hline \multirow{2}{*}{003} & Feed Motor Forward & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Rotates paper feed motor forward.} \\
\hline \multirow{2}{*}{004} & Feed Motor Reverse & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Rotates paper feed motor backward.} \\
\hline \multirow{2}{*}{005} & Relay Motor Forward & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Rotates carry motor forward.} \\
\hline \multirow{2}{*}{006} & Relay Motor Reverse & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Rotates carry motor backward.} \\
\hline \multirow{2}{*}{011} & Inverter Solenoid & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Interval drives reverse solenoid.} \\
\hline \multirow{2}{*}{012} & Stamp & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Interval drives DONE stamp.} \\
\hline \multirow{2}{*}{013} & Fan Motor & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Interval drives FAN motor.} \\
\hline \multirow{2}{*}{014} & Feed Clutch & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Interval drives paper feed clutch.} \\
\hline 015 & Feed Solenoid & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|l|l|}
\hline & Interval drives paper feed solenoid. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{6012} & \multicolumn{3}{|l|}{[1-Pass ADF OUTPUT Check]} \\
\hline & \multicolumn{3}{|l|}{For Single-Pass simultaneous duplex models only.} \\
\hline \multirow[t]{2}{*}{001} & Pick-Up Motor Forward & ENG & \[
\begin{aligned}
& \text { [0 or } 1 / 0 / 1 / \text { step }] \\
& 0: \text { Off } \\
& 1: \text { On }
\end{aligned}
\] \\
\hline & \multicolumn{3}{|l|}{Forwardly rotates ADF pick up motor.} \\
\hline \multirow[t]{2}{*}{003} & Feed Motor Forward & ENG & \[
\begin{aligned}
& \text { [0 or } 1 / 0 / 1 / \text { step] }] \\
& 0: \text { Off } \\
& 1: \text { On }
\end{aligned}
\] \\
\hline & \multicolumn{3}{|l|}{Forwardly rotates ADF paper feed motor.} \\
\hline \multirow[t]{2}{*}{005} & Relay Motor Forward & ENG & \[
\begin{aligned}
& \text { [0 or } 1 / 0 / 1 / \text { step }] \\
& 0: \text { Off } \\
& \text { 1:On }
\end{aligned}
\] \\
\hline & \multicolumn{3}{|l|}{Forwardly rotates ADF paper carry motor.} \\
\hline \multirow[t]{2}{*}{009} & Exit Motor Forward & ENG & \[
\begin{aligned}
& \text { [0 or } 1 / 0 / 1 / \text { step }] \\
& 0: \text { Off } \\
& 1: \text { On }
\end{aligned}
\] \\
\hline & \multicolumn{3}{|l|}{Forwardly rotates ADF paper exit motor.} \\
\hline \multirow[t]{2}{*}{010} & Bottom Plate Motor For/Rev & ENG & \[
\begin{aligned}
& \text { [0 or } 1 / 0 / 1 / \text { step }] \\
& 0: \text { Off } \\
& 1: \text { On }
\end{aligned}
\] \\
\hline & \multicolumn{3}{|l|}{Moves up/down the bottom plate by driving the ADF bottom plate motor forward, backward.} \\
\hline \multirow[t]{2}{*}{012} & Stamp & ENG & \[
\begin{aligned}
& \text { [0 or } 1 / 0 / 1 / \text { step }] \\
& 0: \text { Off } \\
& \text { 1:On }
\end{aligned}
\] \\
\hline & \multicolumn{3}{|l|}{Stamps the DONE stamp.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[t]{2}{*}{015} & Pull-Out Motor Forward & ENG & \[
\begin{aligned}
& \text { [0 or } 1 / 0 / 1 / \text { step }] \\
& 0: \text { Off } \\
& \text { 1:On }
\end{aligned}
\] \\
\hline & \multicolumn{3}{|l|}{Forwardly rotates ADF pull out motor.} \\
\hline \multirow[t]{2}{*}{016} & Middle Motor Forward & ENG & \[
\begin{aligned}
& \text { [0 or } 1 / 0 / 1 / \text { step }] \\
& 0: \text { Off } \\
& \text { 1:On }
\end{aligned}
\] \\
\hline & \multicolumn{3}{|l|}{Forwardly rotates ADF middle motor.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 6124 & \multicolumn{3}{|l|}{[OUTPUT Check: \(2 \mathrm{~K} / 3 \mathrm{~K}\) FIN]} \\
\hline \multirow{2}{*}{001} & Entrance Transport Motor & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Drives specified motor for a certain period of time to test operation.} \\
\hline \multirow{2}{*}{002} & Horizontal Transport Motor & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Drives specified motor for a certain period of time to test operation.} \\
\hline \multirow{2}{*}{003} & Pre-Stack Transport Motor & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Drives specified motor for a certain period of time to test operation.} \\
\hline \multirow{2}{*}{004} & ITB Transport Motor & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Drives specified motor for a certain period of time to test operation.} \\
\hline \multirow{2}{*}{005} & Paper Exit Motor & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Drives specified motor for a certain period of time to test operation.} \\
\hline \multirow{2}{*}{006} & Upper Junction Solenoid & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Turns NO/OFF specified solenoid for validation.} \\
\hline \multirow{2}{*}{007} & TE Stack Plate Motor & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Drives specified motor for a certain period of time to test operation.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[t]{2}{*}{008} & \begin{tabular}{l}
Paper Exit Open/Close Guide \\
Plate Motor
\end{tabular} & ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Drives specified motor for a certain period of time to test operation.} \\
\hline \multirow{2}{*}{009} & Punching Motor & ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Drives specified motor for a certain period of time to test operation} \\
\hline \multirow{2}{*}{010} & Punch Move Motor & ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Drives specified motor for a certain period of time to test operation.} \\
\hline \multirow[t]{2}{*}{011} & S-to-S Registration Detection Move Motor & ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Drives specified motor for a certain period of time to test operation.} \\
\hline \multirow[t]{2}{*}{012} & Lower Junction Solenoid Motor & ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Drives specified motor for a certain period of time to test operation.} \\
\hline \multirow{2}{*}{013} & Jogger Motor & ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Drives specified motor for a certain period of time to test operation} \\
\hline \multirow[t]{2}{*}{014} & Positioning Roller Rotation Motor & ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Drives specified motor for a certain period of time to test operation} \\
\hline \multirow{2}{*}{015} & Feed-out Motor & ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Drives specified motor for a certain period of time to test operation} \\
\hline \multirow{2}{*}{016} & Booklet Stapler Move Motor & ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Drives specified motor for a certain period of time to test operation} \\
\hline \multirow{2}{*}{017} & Corner Stapler Motor & ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Drives specified motor for a certain period of time to test operation.} \\
\hline \multirow{2}{*}{018} & Booklet Stapler Jogger Motor & ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Drives specified motor for a certain period of time to test operation.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[t]{2}{*}{019} & \begin{tabular}{l}
Booklet Stapler Jog Solenoid \\
Move Motor
\end{tabular} & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Drives specified motor for a certain period of time to test operation.} \\
\hline \multirow[t]{2}{*}{020} & Booklet Stapler Standard Fence Motor & ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Drives specified motor for a certain period of time to test operation.} \\
\hline \multirow{2}{*}{021} & Booklet Stapler Motor & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Drives specified motor for a certain period of time to test operation.} \\
\hline \multirow[t]{2}{*}{022} & Dynamic Roller Transport Motor & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Drives specified motor for a certain period of time to test operation.} \\
\hline \multirow{2}{*}{023} & Folder Transport Motor & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Drives specified motor for a certain period of time to test operation.} \\
\hline \multirow{2}{*}{025} & Press-fold Motor & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Drives specified motor for a certain period of time to test operation.} \\
\hline \multirow{2}{*}{026} & Tray Lift Motor & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Drives specified motor for a certain period of time to test operation.} \\
\hline \multirow{2}{*}{027} & Shift Motor & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Drives specified motor for a certain period of time to test operation.} \\
\hline \multirow[b]{2}{*}{028} & Front Shift Jogger Motor & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Drives specified motor for a certain period of time to test operation. \\
* Not use: currently, VOLGA-B does not have setting jogger in system configuration.
\end{tabular}} \\
\hline \multirow[b]{2}{*}{029} & Rear Shift Jogger Motor & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline & \multicolumn{3}{|l|}{Drives specified motor for a certain period of time to test operation. * Not use: currently, VOLGA-B does not have setting jogger in system configuration.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow[b]{2}{*}{030} & Shift Jogger Retraction Motor & ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{\begin{tabular}{l}
Drives specified motor for a certain period of time to test operation. \\
* Not use: currently, VOLGA-B does not have setting jogger in system configuration.
\end{tabular}} \\
\hline \multirow{2}{*}{031} & Drag Roller Vibrating Motor & ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Drives specified motor for a certain period of time to test operation.} \\
\hline \multirow{2}{*}{032} & LE Guide Motor & ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Drives specified motor for a certain period of time to test operation.} \\
\hline \multirow{2}{*}{033} & Navigation LED (All) & ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Lights all guide LED.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{6136} & \multicolumn{3}{|l|}{[OUTPUT Check: FrontFIN]} \\
\hline & \multicolumn{3}{|l|}{Continuously drives specified motor for operation test.} \\
\hline 001 & Entrance Motor & *ENG & [0 or 1 / 0 / 1/step] \\
\hline 002 & Carry Motor & ENG & [0 or 1 / 0 / 1/step] \\
\hline 003 & Exit Motor & ENG & [0 or 1 / 0 / 1/step] \\
\hline \multirow{2}{*}{6136} & \multicolumn{3}{|l|}{[OUTPUT Check: FrontFIN]} \\
\hline & \multicolumn{3}{|l|}{Drives specified motor for a certain period of time to test operation} \\
\hline 004 & Front Jogger Motor & ENG & [0 or 1 / 0 / 1/step] \\
\hline 005 & Rear Jogger Motor & ENG & [0 or 1 / 0 / 1/step] \\
\hline 006 & Shift Motor & ENG & [0 or 1 / 0 / 1/step] \\
\hline 007 & Hitroll Motor & ENG & [0 or 1 / 0 / 1/step] \\
\hline 008 & Exit Guide Plate Motor & ENG & [0 or 1 / 0 / 1/step] \\
\hline 009 & Staple Moving Motor & ENG & [0 or 1 / 0 / 1/step] \\
\hline 010 & Tray Motor & ENG & [0 or 1 / 0 / 1/step] \\
\hline 011 & Staple Motor & ENG & [0 or 1 / 0 / 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|l|c|l|}
\hline 012 & Stopper Motor & ENG & {\([0\) or \(1 / 0 / 1 /\) step \(]\)} \\
\hline 013 & Punch Motor & ENG & {\([0\) or \(1 / 0 / 1 /\) step \(]\)} \\
\hline 014 & Punch Moving Motor & ENG & {\([0\) or \(1 / 0 / 1 /\) step \(]\)} \\
\hline 015 & \begin{tabular}{l} 
Punch Registration Moving \\
Motor
\end{tabular} & ENG & {\([0\) or \(1 / 0 / 1 /\) step \(]\)} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{2}{*}{6162} & \multicolumn{3}{|l|}{[FIN (1K FIN) OUTPUT Check]} \\
\hline & \multicolumn{3}{|l|}{Continuously runs specified motor for operation test.} \\
\hline 001 & Entrance Transport Motor & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline 002 & Proof Transport Motor & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline 003 & \begin{tabular}{l}
Paper Feed/Positioning \& \\
Move Roller Motor
\end{tabular} & ENG & [0 or 1 / 0 / 1/step] \\
\hline \multirow{2}{*}{6162} & \multicolumn{3}{|l|}{[FIN (1K FIN) OUTPUT Check]} \\
\hline & \multicolumn{3}{|l|}{Drives specified motor for a certain period of time to test operation} \\
\hline 004 & Junction Solenoid & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline 005 & Shift Motor & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline 006 & Jogger Motor & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline 007 & Exit Guide Plate Open/Close Motor & ENG & [0 or 1 / 0 / 1/step] \\
\hline 008 & Feed-out Motor & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline 009 & Tray Lift Motor & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline 011 & Positioning Roller Motor & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline 012 & Stapler Shift Motor & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline 013 & Stapler Motor & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline 014 & Punch Motor & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline 015 & Punch Move Motor & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 016 & \begin{tabular}{l}
S-to-S Registration Detection \\
Move Motor
\end{tabular} & ENG & [0 or 1 / 0 / 1/step] \\
\hline 017 & Stack Transport Motor: Upper & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline 018 & \begin{tabular}{l}
Stck Trns Uppr Prss \\
RIs/Stndrd Fence Rtrct M
\end{tabular} & ENG & [0 or 1 / 0 / 1/step] \\
\hline 019 & \begin{tabular}{l}
Stack Lower Pressure \\
Release Motor
\end{tabular} & ENG & [0 or 1 / 0 / 1/step] \\
\hline \multirow{2}{*}{6162} & \multicolumn{3}{|l|}{[FIN (1K FIN) OUTPUT Check]} \\
\hline & \multicolumn{3}{|l|}{Continuously runs specified motor for operation test.} \\
\hline 020 & Folder Transport Motor & ENG & [ 0 or \(1 / 0\) / 1/step] \\
\hline \multirow{2}{*}{6162} & \multicolumn{3}{|l|}{[FIN (1K FIN) OUTPUT Check]} \\
\hline & \multicolumn{3}{|l|}{Drives specified motor for a certain period of time to test operation} \\
\hline 021 & TE Stopper Motor & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline 022 & Folder Blade Motor & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline \multirow{2}{*}{6162} & \multicolumn{3}{|l|}{[FIN (1K FIN) OUTPUT Check]} \\
\hline & \multicolumn{3}{|l|}{Lights all guide LED.} \\
\hline 023 & Navigation LED (All) & ENG & [0 or 1 / 0 / 1/step] \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 6171 & \multicolumn{3}{|l|}{[Bridge: OUTPUT Check]} \\
\hline \multirow{2}{*}{009} & \begin{tabular}{l}
Bridge Relay Motor: Low \\
Speed
\end{tabular} & ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Checks operation of the load of relay motor. Rotates forward the carry motor for \(73 \mathrm{~mm} / \mathrm{s}\).} \\
\hline \multirow{2}{*}{010} & Bridge Relay Motor: Middle Speed & ENG & [ 0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Checks operation of the load of relay motor. Rotates forward the carry motor for 256 mm/s.} \\
\hline \multirow{2}{*}{011} & Bridge Relay Motor: Standard Speed & ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Checks operation of the load of relay motor. Rotates forward the carry motor for \(450 \mathrm{~mm} / \mathrm{s}\).} \\
\hline \multirow{2}{*}{012} & Junction Solenoid & ENG & [0 or 1 / 0 / 1/step] \\
\hline & \multicolumn{3}{|l|}{Checks operation of the load of solenoid. Turns ON the solenoid.} \\
\hline
\end{tabular}
\begin{tabular}{|r|l|c|l|}
\hline 6173 & \multicolumn{4}{|l|}{ [Shift Tray: OUTPUT Check] } \\
\hline \multirow{3}{*}{001} & Shift Tray Motor & ENG & [0 or 1/0 / 1/step] \\
\cline { 2 - 2 } & Checks operation of the load of shift tray motor. Rotates forward. \\
\hline
\end{tabular}

\section*{TEST PATTARN PRINTING}
\begin{tabular}{|l|l|l|}
\hline \multicolumn{3}{|c|}{ REVISION HISTORY } \\
\hline Page & Date & Added/Updated/New \\
\hline & & None \\
\hline
\end{tabular}

\section*{4. TEST PATTARN PRINTING}

\subsection*{4.1 TEST PATTERN PRINTING}

Printing Test pattern: SP2-109
Some of these test patterns are used for copy image adjustments but most are used primarily for design testing.

\section*{( \()\) Note}
- Do not operate the machine until the test pattern is printed out completely. Otherwise, SC will occur.
1. Enter the SP mode then select SP2-109-003.
2. Select test pattern for print from the list then press [OK].
3. When selecting color for Printing; Full Color or either CMYK, go to SP2-109-005 (1: Full Color, 2: Cyan, 3: Magenta, 4: Yellow, 5: Black) to select.
4. When changing density of test pattern, select density with SP2-109-006 through 009 for each color.

\section*{( Note}
- If select " 0 " with SP2-109-006 through 009, the color adjusted so will not show up in the test pattern.
5. To Print, Touch "Copy Window", then set settings within the following window for test print (paper size etc...).

\section*{(1)Note} )
- When using black and white printing, touch "Black \& White" on the LCD. When using color printing, touch "Full Color" on the LCD.
6. Press "Start" key to start test print.
7. After checking test pattern, touch "SP Mode" on the LCD to return to SP mode display.
8. Reset all settings to default values.
9. Exit SP mode.
\begin{tabular}{|c|c|c|c|}
\hline No. & Pattern & No. & Pattern \\
\hline 0 & Copy image & 14 & Trimmed area \\
\hline 1 & V 1dot & 15 & V Grid 1 \\
\hline 2 & V 2dot & 16 & V Grid 2 \\
\hline 3 & H 1dot & 17 & H Belt \\
\hline 4 & H 2dot & 18 & H Belt \\
\hline 5 & Grid V line & 19 & Checker flag \\
\hline 6 & Grid H line & 20 & Gray V \\
\hline 7 & Grid: Small & 21 & Gray H \\
\hline 8 & Grid: Large & 22 & 4800dpi step pattern 1(1dot) \\
\hline 9 & S Grid: Small & 23 & 4800dpi step pattern 1(2dot) \\
\hline 10 & S Grid:Large & 24 & 4800dpi step pattern 2(1dot) \\
\hline 11 & 1dot independent & 25 & 4800dpi step pattern 2(2dot) \\
\hline 12 & 2dot independent & 26 & Full side colored \\
\hline 13 & 4dot independent & 27 & Full side White \\
\hline
\end{tabular}

\section*{SOFTWARE VERSION UP}
\begin{tabular}{|l|l|l|}
\hline \multicolumn{3}{c|}{ REVISION HISTORY } \\
\hline Page & Date & Added/Updated/New \\
\hline & & None \\
\hline
\end{tabular}

\section*{5. SOFTWARE VERSION UP}

\subsection*{5.1 OVERVIEW}

In order to update the firmware of this machine, it is necessary to download the latest version of firmware on a SD card.

Insert the SD card in SD card slot 2 beside the left rear of the controller box.

\subsection*{5.2 FIRMWARE TYPE}
\begin{tabular}{|l|l|l|l|}
\hline \multicolumn{1}{|c|}{ Firmware type } & \multicolumn{1}{|c|}{ Function } & \multicolumn{1}{|c|}{ Firmware position } & \multicolumn{1}{l|}{ Message display } \\
\hline System/Copy & Operating system & Controller board & System/Copy \\
\hline Engine & & BCU & Engine \\
\hline Control panel & & Control panel & Lcdc \\
\hline Network support & & Controller board & Network Support \\
\hline Language 1 & & Control panel & Language 1 \\
\hline Language 2 & & Controller board & Language 2 \\
\hline RPCS & & Controller board & MediaPrint:JPEG/TIF \\
\hline PCL (PCLXL) & & Controller board & FPCS \\
\hline \begin{tabular}{l} 
Media print \\
JPEG/TIFF
\end{tabular} & & Controller board & FONT1 \\
\hline Font & & Controller board & NetworkDocBox \\
\hline Font 1 & & Controller board & Printer \\
\hline \begin{tabular}{l} 
Network document \\
box
\end{tabular} & & Controller board & Scanner \\
\hline Printer & & & Websupport \\
\hline Scanner & & & WebUapl \\
\hline Web support & & & Cob Application board \\
\hline
\end{tabular}

\section*{( \()\) Note}
- Even when not using a RPCS driver, the XPS driver requires RPCS firmware.

\subsection*{5.3 PROCEDURE}

\section*{* Important}
- A SD card is a precision device, so when you handle an SD card, respect the following.
- When the power is switched ON, do not insert or remove a card.
- During installation, do not switch the power OFF.
- Since the card is manufactured to high precision, do not store it in a hot or humid location, or in direct sunlight.
- Do not bend the card, scratch it, or give it a strong shock.
- Before downloading firmware on an SD card, check whether write-protection of the SD card is canceled. If write-protection is enabled, an error code (error code 44, etc.) will be displayed during download, and the download will fail.
- Before updating firmware, remove the network cable from this machine.
- If SC818 is generated during software update, switch the power OFF -> ON, and complete the update which was interrupted.
- During software update, network cables, remove interface cables, wireless boards, etc., (so that they are not accessed during update).

\subsection*{5.3.1 UPDATE PROCEDURE}
1. First download the software to be updated to the SD card.
2. Switch the power OFF.
3. Remove the SD card slot cover \([A][B] .\left(\varepsilon^{2} \times 1\right)\)

4. Insert the SD card [A] straight in slot 2.


\section*{(1) Note}
- Check whether the card is properly in the SD card slot. When a SD card is inserted, a click is heard, and it is locked.
- To remove the card, release by pressing once in the set state.
5. Switch the power ON.
6. Wait until the update screen starts (about 45 seconds).

When it appears, "Please Wait" is displayed.
7. Check whether a program installation screen is displayed. (English display) When two or more software modules are contained in the SD card, they are displayed as follows.
\begin{tabular}{|c|c|c|c|c|}
\hline \multicolumn{5}{|l|}{PCoard \(\rightarrow\) FOMA Page01} \\
\hline Engine( 1) & & \[
\begin{aligned}
& x 000000 x \\
& 001
\end{aligned}
\] & & x0000000 \(05 x\) \\
\hline Printer (2) & & y000000 d Dt & & x0000000 ofix \\
\hline & & Exit(0) & & \\
\hline
\end{tabular}

When two or more software names are displayed
1. Press the module selection button or 10 keypad [1] - [5].
2. Choose the appropriate module. (If already selected, cancel the selection) Operation of keys or buttons
\begin{tabular}{|l|l|}
\hline \multicolumn{1}{|c|}{ Keys or buttons to press } & \multicolumn{1}{c|}{ Contents } \\
\hline [Exit] or 10 key [0] & Returns to normal screen. \\
\hline [Start] Key & Select all modules. \\
\hline [Clear/Stop] key & Cancel all selection states. \\
\hline
\end{tabular}

\section*{Display contents}

On the above screen, two programs, i.e., engine firmware and printer application are displayed. (The screen may change depending on the firmware or application). The display contents are as follows:
\begin{tabular}{|l|l|}
\hline \multicolumn{1}{|c|}{ Display } & \multicolumn{1}{c|}{ Contents } \\
\hline ROM: & Display installed module number / version information. \\
\hline NEW: & Display module number / version information in the card. \\
\hline
\end{tabular}
* The upper row corresponds to the module number, the lower row corresponds to the version name.
8. Select the module with the module selection button or 10 key operation. The selected module is highlighted, and [Verify] and [Update] are displayed.
( Note
- Depending on the combination of update software, it may not be possible to select simultaneously.


Key or button operations
\begin{tabular}{|l|l|}
\hline \multicolumn{1}{|c|}{ Keys or buttons to press } & \multicolumn{1}{c|}{ Contents } \\
\hline [Update] or [\#] key & Update the ROM of the selected module. \\
\hline [Verify] button or [./*] key & Perform verification of the selected module. \\
\hline
\end{tabular}
9. Press the [Update] or [\#] key, and perform software update.
10. During firmware update, a "firmware update/ verification progress screen" is displayed. When firmware update is complete, a "firmware update end screen" is displayed.

PCcard \(\rightarrow\) ROM

- In the middle row, the name of the module currently being updated is displayed. (in this case, the printer is being updated)
- In the lower row, a progress bar is displayed in ten steps. (The more *, the more the progress.)
- When updating the control unit program, since progress cannot be displayed on the screen, the ROM update process is determined when the LED of the [Start] key changes from red to green.

\section*{Firmware update end screen}

PCeard \(\rightarrow\) nom

- This screen is displayed when all selected firmware modules are to be updated. "printer" in the second row shows that the module updated last is the printer. (When more than one are updated simultaneously, only what was updated last is displayed.)
- When Verify has completed normally, the Update done display of the above screen is "Verify done." If "Verify Error" is displayed, reinstall the software of the application displayed in the lower row.
11. After switching power OFF, remove the SD card.
12. Again, switch the power \(O N\), and check whether the machine is operating normally.
13. Return the SD card slot cover to the original position.

\section*{Wote}
- When the power supply is switched OFF during firmware update, update is interrupted, and the power is switched ON again, normal operation cannot be guaranteed.
- To guarantee operation, an update error continues to be displayed until update is successful.
- In this case, insert the SD card again, switch the power ON, and continue download of firmware from the SD card automatically.
- Web access card software: EXJS (EXtended Java Script) is a Type-C ESA application, and like a conventional Web access card, update using an sdk folder is required.
- The PS3 firmware program is included in the preinstalled PDF firmware.
- In the default state, although the PS3 firmware program is hidden in the disabled state, the function is enabled by installing the PS3 card.
- (The program installed in the PS3 card is a dongle (key) for enabling PS3 function).
- Due to the above specification, the self-diagnosis result report shows the ROM module number / software version of the PDF firmware at the PS location.

\subsection*{5.4 ERROR SCREENS DURING UPDATING}
\(\square\)
EXX shows an error code.
(This error is generated if update was performed when a printer application startup card is removed after system startup. An error indicating failure of card access is displayed on the screen.)
For error codes, refer to the following table:

\section*{Error Code List}
\begin{tabular}{|c|c|c|}
\hline Code & Contents & Solutions \\
\hline 20 & Physical address mapping cannot be performed. & \begin{tabular}{l}
1. Reinsert the SD card. \\
2. Replace the SD card.
\end{tabular} \\
\hline 21 & Memory acquisition cannot be performed. & \begin{tabular}{l}
1. Connect the HDD correctly. \\
2. Replace the HDD.
\end{tabular} \\
\hline 22 & Compressed data decompression failure. & The ROM update data in the SD card is incorrect or damaged. \\
\hline 23 & ROM update program startup error & \begin{tabular}{l}
Controller program fault. \\
Controller program reinstallation, or controller board replacement
\end{tabular} \\
\hline 24 & Card access error & \begin{tabular}{l}
1. Reinsert the SD card. \\
2. Replace the SD card.
\end{tabular} \\
\hline 30 & During print download, there is no HDD. & \begin{tabular}{l}
1. Connect the HDD correctly. \\
2. Replace the HDD.
\end{tabular} \\
\hline 31 & Data during download continuation is not correct. & Insert the SD card containing continuation target module data. Reinstallation required. \\
\hline 32 & Data during download interrupt is not correct. & Insert the SD card containing recovery target module data after interruption. Reinstallation required. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline Code & Contents & Solutions \\
\hline 33 & Card version is not correct. & ROM data in the SD card is incorrect or damaged. \\
\hline 34 & There is no module which matches the destination. & Re-enter ROM update data with correct destination (domestic/overseas/OEM) in the SD card. \\
\hline 35 & There is no module corresponding to the module. & Re-enter ROM update data for the correct device in the SD card. \\
\hline 36 & For another reason, there is no rewrite target module. & Re-enter ROM update data for the correct device in the SD card. \\
\hline 40 & Motor download execution malfunction & \begin{tabular}{l}
Re-enter the data in the SD card. \\
Alternatively, replace the engine circuit board. Reinstallation required.
\end{tabular} \\
\hline 42 & Control unit download execution malfunction & \begin{tabular}{l}
Re-enter data in the SD card. Alternatively, replace the control unit board. \\
Reinstallation required.
\end{tabular} \\
\hline 43 & Print download execution malfunction & Re-enter data in the SD card. Alternatively, replace the HDD. Reinstallation required. \\
\hline 44 & Controller download execution malfunction & Re-enter data in the SD card. Alternatively, replace the controller board. Reinstallation required. \\
\hline 50 & Electronic authentication check NG & Re-enter ROM update data for the correct device in the SD card. \\
\hline
\end{tabular}

\section*{\(\downarrow\) Note}
- The PDF firmware installed as standard contains a program required to print PS3 data as default. However, this PS3 program is normally disabled.
- The PS3 firmware is a dongle (key) which enables PS3 data printing functions. When the PS3 firmware is installed, the PS3 program in the PDF firmware is enabled. Due to this specification, the self-diagnosis result report shows the ROM part number/software version of the PDF firmware contained in the PS3 program.

\subsection*{5.5 UPDATING THE VM FIRMWARE}

\subsection*{5.5.1 CREATING AN SD CARD FOR UPDATING}

\section*{\(\star\) Important}
- Depending on the ESA application installed in the machine, there might be some special notes or procedure when updating Java platform. See the manual for the ESA application.
* Important
- Conventionally, Java VM was provided by a SD card, but it is now installed as standard on the MFP controller board (NAND flash).
- As components are increasingly implemented on-board, version upgrade of the VM card, which was previously done on a PC, is now done on the MFP.
1. Download the update modules from Firmware Download Center. As one of the model modules, "Java VM v11 UpdateTool" is available for download. (The version differs depending on the model.)
2. Unzip the downloaded file. Copy the whole "sdk" folder to the root of the SD card directly below.

- When unzipping the downloaded file, two subfolders ("update" and "sdk") exist in the "sdk" folder. Rather than just copying the subfolder "sdk", copy the whole folder "sdk".

\subsection*{5.5.2 UPDATING PROCEDURE}

\section*{CAUTION}
- SD card can be inserted with the machine power off.
- During the updating process, do not turn off the power.
- If you turn off the power during the updating, the machine performance is not guaranteed. (There is a possibility that an SC and boot failure occurs.)
- If you accidentally turn off the power during the updating, retry the updating procedure from the beginning. (If the update fails again, you will need to replace the controller board.)
1. If the boot priority application is set to the ESA application, switch to the copy application.
([System Settings]-[General Features]-[Function Priority])
2. Insert the SD card you created into the service slot, and then turn ON the main power switch.
3. After booting Java VM, update of the application is started. "Updating SDK/J" appears in the banner message of the touch panel display. (Estimated time: about 2 minutes)

4. When the update is complete, "Update SDK / J done SUCCESS" will appear in the banner message of the touch panel display. After turning off the power, remove the SD card from the slot.

When you fail to update, "Update SDK/J done FAIL" is displayed. You can confirm the cause of the error message below.
5. Reconfigure the Heap size. ([Extended Feature Settings]-[Administrator Tools]-[Heap/Stack Size Settings]). See the manual for the ESA application to know what value to set for the heap size.
6. Return to the previous setting for the boot priority application.

\subsection*{5.5.3 LIST OF ERROR MESSAGES}

Update results are output as a text file on the SD card called "sdkjversionup.log" in the "¥sdk ¥update" folder.
\begin{tabular}{|c|c|c|}
\hline Result & File contents & Description of the output \\
\hline Success & script file \(=\)
/mnt/sd0/sdk/update/bootscript
2012/08/22 17:57:47 start
2012/08/22 17:59:47 end SUCCESS & \begin{tabular}{l}
Boot script path \\
Boot scripts processing start time End time boot script processing, the results
\end{tabular} \\
\hline Failure & script file \(=\)
/mnt/sd0/sdk/update/bootscript
2012/08/22 17:57:47 start
XXXX Error
2012/08/22 17:57:57 end FAIL & \begin{tabular}{l}
Boot script path \\
Boot scripts processing start time \\
Error message (Possibly multiple) \\
End time boot script processing, the results
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|}
\hline \multicolumn{1}{|c|}{ Error Message } & \multicolumn{1}{c|}{ Cause } & \multicolumn{1}{c|}{ Remedy } \\
\hline \begin{tabular}{l} 
PIECEMARK \\
Error,machine=XXXXX
\end{tabular} & \begin{tabular}{l} 
Applied the wrong updating \\
tool (Using the updating tool \\
of a different model)
\end{tabular} & \begin{tabular}{l} 
Use the correct updating \\
tool for this model.
\end{tabular} \\
\hline \begin{tabular}{l} 
pasePut() - error : The file of \\
the \\
copy origin is not found \\
Put Error!
\end{tabular} & \begin{tabular}{l} 
Inadequacy with the SD \\
card for updating \\
(Files are missing in the \\
updating tool)
\end{tabular} & \begin{tabular}{l} 
Re-create the SD card for \\
updating.
\end{tabular} \\
\hline \begin{tabular}{l} 
paseCopy() - error : The file \\
of the copy origin is not \\
found. \\
Copy Error!
\end{tabular} & \begin{tabular}{l} 
Inadequacy SD card for \\
updating \\
(Files in the updating tool \\
are missing)
\end{tabular} & \begin{tabular}{l} 
Inadequacy SD card for \\
updating \\
(Files in the updating tool \\
are missing)
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline Error Message & Cause & Remedy \\
\hline \begin{tabular}{l}
[file name: XX ] error,No \\
space \\
left on device \\
pasePut() - error : The \\
destination directory cannot \\
be \\
made. \\
pasePut() - error : fileCopy \\
Error. \\
Put Error!
\end{tabular} & Writing destination is full. (The NAND flash memory on the controller board is full.) & \begin{tabular}{l}
Uninstall the unnecessary SDK applications. \\
If you can not uninstall it, implement escalation, stating the "model name, application configuration, SMC sheet (SP5-990-006/024/025), and error file."
\end{tabular} \\
\hline \begin{tabular}{l}
[file name: XX ] error,No \\
space \\
left on device \\
paseCopy() - error : The \\
destination directory cannot \\
be \\
made. \\
paseCopy() - error : fileCopy \\
Error. \\
Copy Error!
\end{tabular} & \begin{tabular}{l}
Writing destination is full. \\
(The NAND flash memory on the controller board is full.)
\end{tabular} & \begin{tabular}{l}
Uninstall the unnecessary SDK applications. \\
If you can not uninstall it, implement escalation stating the "model name, application configuration, SMC sheet (SP5-990-006/024/025), and error file."
\end{tabular} \\
\hline Put Error! *1 & \multirow[t]{5}{*}{Error, not normally expected to occur} & \multirow[t]{5}{*}{\begin{tabular}{l}
If you cannot uninstall it, implement escalation stating the "model name, application configuration, SMC sheet (SP5-990-006/024/025), and error file." *1 \\
Without the foregoing error message, only "Put Error / Copy Error" will be displayed
\end{tabular}} \\
\hline Copy Error! *1 & & \\
\hline Delete Error! & & \\
\hline [ XXXXX\(]\) is an unsupported command. & & \\
\hline Version Error & & \\
\hline
\end{tabular}

\subsection*{5.6 UPDATING THE EXJS}

\subsection*{5.6.1 TO UPDATE EXJS}
1. Put the SD card containing the firmware to install in SD card slot \(2[A]\), and switch on the power.

2. Wait until the update screen starts.
3. When the update screen is displayed, select [browser], and press the [Update (\#)] button.
4. When "Update done." is displayed, switch the power OFF, and remove the SD card from SD card slot 2.
<When updating Extension JavaScript, add the following steps>
5. Switch the power ON.
6. Press the [Default setting/counter] key.
7. Press the [Extension function default setting] button.
8. Press the [Extension function default setting] button on the [Extension function default menu setting] screen.
9. Stop "Extended JS" on the "Startup setting" condition with a tab.
10. Switch the power OFF.
11. Insert the Extended JavaScript upgrade SD card in SD card slot 2.
12. Switch the power ON.
13. Press the [Default setting/counter] key.
14. Press the [Extension function default setting] button.
15. Press the [Extension function default setting] button on the [Extension function default menu setting] screen.
16. Press the [Install] tab.
17. Press [SD card], and select "Extended JS" from the list of extension functions.
18. Select [MFP hard disk] as the installation location, and press [Next].
19. After checking extension function information on the "Installation preparation complete" screen, press the [Enter] button.
20. "The following extension functions are already installed. The message "Overwrite extension function?" is displayed. Press the [Continue] button.
21. When installation is complete, the message "Extension function has been installed" is displayed. Press the [OK] button.
22. On the [Startup settings] tab, set [Extended JS] to the startup standby state, and switch the power OFF.
23. Remove the SD card from SD card slot 2, and return the controller cover.
24. Switch the power ON.
25. Press the [Default setting/counter] key.
26. Press the [Extension function default setting] button.
27. Press the [Extension function default setting] button on the [Extension function default menu setting] screen.
28. Check the version of [Extended JS] on the [Startup settings] tab is the latest version.

\section*{( L Note}
- If the power is ON before starting Step 1, switch the power OFF after first performing Steps 5-9, and perform Step 1 and subsequent steps. In that case, skip Steps 5-10. (This saves time.)
- If you do not plan to update Extension JavaScript, return the controller cover to the original position after performing Step 5.

\subsection*{5.6.2 WHEN CHECKING THE VERSION OF EXJS}
1. Switch the power ON.
2. Press the [Default setting/counter] key.
3. Press the [Extension function default setting] button.
4. Press the [Extension function default setting] button on the [Extension function default menu setting] screen.
5. Check the version of [Extended JS] on the [Startup settings] tab is the latest version.

\section*{( Note}
- If checked apart from the above procedure (firmware version displayed in system default settings), a different version from the actual version may be displayed.

\subsection*{5.7 RFU UPDATING THE FIRMWARE}

In this machine, software can be updated by remote control using @Remote.

\section*{Unmanned RFU using @Remote}


\section*{RFU-compliant firmware}

Compliant firmware is ordinary firmware with a recovery function (in this system, for custom /individual firmware, RFU [remote firmware update] is not performed).
Select firmware with high urgency/priority, such as commercial machine update firmware, and firmware guided by TI.

\section*{Error correspondence method}

If any trouble accompanying unmanned RFU occurs, it should handled by the following flowchart:
1. Check the result of unmanned RTC

Check the machine startup situation on the morning after unmanned RFU by RTC.
If the machine is not operating normally, arrange a telephone consultation with the user from RTC, and request the user to perform a machine reboot.
1. CE Visit

If the machine does not recover on a reboot, and if the customer cannot be contacted by telephone, a CE visit request is made from RTC.
<Disposal method>

During a visit accompanying unmanned RFU trouble, perform the following steps in order.
1. Switch the power OFF/ON.
2. Download the same firmware as the firmware supplied to the SD card by RFU, and perform upgrade with the SD card
(It may take about 5 minutes until upgrade by the SD card starts).
1. Replace the firmware storage destination board.
[Example]
In the case of System/Document: Controller board
In the case of Engine: Engine board

\subsection*{5.8 SFU (SMART FIRMWARE UPDATE)}

\subsection*{5.8.1 OVERVIEW}

\section*{SFU (Smart Firmware Update): New Feature for Firmware update}

Firmware can be updated through a simple operation (can be controlled from operation panel) only if the machine is connected to @Remote.
The firmwares for mainframe are packaged into one firmware for the SFU.
Therefore the package firmware can be updated at once. SFU allows you to reduce the time of the firmware update and to manage latest version of necessary firmwares on machines.


\section*{Various type of new firmware updates}
- SFU: SD card does not need for updating firmware. The machine can be updated firmware by very easy steps.
- RFU (with new package firmware): The firmware for the mainframe is packaged to one firmware. As the result, the machine can be updated to the most of the latest mainframe firmwares by a single RFU operation.

\section*{SD card}
- PFU (Package firmware update): The package firmware can also be used for SD card update. It can achieve to reduce the time of the firmware update and maintains latest version of necessary firmwares on machines.

\section*{( ) Note} )
- We also still prepare the individual firmware. If the machine needs specific firmware, you can update the individual firmware.
- Not all the individual firmwares are packaged. For example, Java VM, firmware for finisher etc, do not included in package firmware.
- Updating will be executed if the individual firmware in the package is newer than the installed firmware in the machine. If the version of the individual firmware is the same or older than the one already installed, the firmware update will be skipped.
- Package includes only several firmwares at the delivery. When a newer version of the
firmware is available, the new firmware will be added into the package.
The approximate time of updating package firmware
\begin{tabular}{|l|c|c|c|c|}
\hline \multicolumn{1}{|c|}{ Configuration } & File size & \begin{tabular}{c} 
Total required \\
time to update
\end{tabular} & \begin{tabular}{c} 
Time to validate \\
the config.
\end{tabular} & Update time \\
\hline \begin{tabular}{l} 
Maximum \\
configuration
\end{tabular} & 147 MB & 23 min .05 sec. & 2 min .20 sec. & 20 min .45 sec. \\
\hline \begin{tabular}{l} 
Minimum \\
configuration
\end{tabular} & 60 MB & 8 min. 37 sec. & 1 min. 06 sec. & 7 min .31 sec. \\
\hline
\end{tabular}

\subsection*{5.8.2 SFU PROCEDURE}

\section*{(L) Note}
- Following images may be different from those on the actual screen.
1. Enter into the SP mode.
2. Touch [Firmware Update].

d176f2107
3. Select [Update].

4. Touch [Execute Update].

5. Touch [YES].

6. Following display will show up.

7. When the data is received completely, the following display shows up.


8．When the step 4 has been done successfully，the machine will reboot automatically．

\section*{5．8．3 HOW TO SET A RESERVATION}

1．Enter into the SP mode．
2．Touch［Firmware Update］．


1．Touch［Reserve］．


2．Touch［Reservation setting］．


3．The following display will show up if the package in the machine is the latest．


\section*{( Note}
- If the firmware in the machine is obsolete, the following display will show up instead.
- Set the reservation setting to configure the next time to visit (Initial value: 1). The input method is the same as the SP mode and the value is stored in the NV-RAM.


Start obtaining a new package
[Setting item] Next time to visit the customer


Performs only when the previous trial is failed.
w_d176f2129
- In this process, there are four times to try obtaining a new package with the initial setting, including retry actions.
- If a trial has obtained a new package successfully, the next trials are not performed.
- If a trial failed to obtain a new package because the main power switch is OFF or so, the process will perform a next trial 6 hours later.
- If the retry actions keep failing and the revisit day has come, the retry action of the day is no longer performed.

\section*{Checking the reserved and received package information}
1. Enter into the SP mode.
2. Touch [Firmware Update].
\begin{tabular}{|c|c|c|}
\hline Sper & 208 & 0 \\
\hline & System SP & \\
\hline & Printer SP & \\
\hline & Scanner SP & \\
\hline & PM Counter & \\
\hline & Firmware Update & \\
\hline  & IIII & \\
\hline
\end{tabular}
3. Touch [Reserve].

d176f2110
4. Touch [Reserve and received package information].

5. Check the reserved and received package information.
- All items will be displayed "-", when the reserved and received package is the latest and after update completed, because there is no package file in a area for reception located in HDD.
\begin{tabular}{|c|c|}
\hline spezt & \\
\hline Reservation reception result & Success \\
\hline Part number of reserved and received package & D1234567 \\
\hline Version of reserved and received package & 1.35 \\
\hline Package received date & 13/05/22 \\
\hline Reservation reception has succeeded. & Back \\
\hline \multicolumn{2}{|l|}{\multirow[t]{2}{*}{[D] d17662123}} \\
\hline & \\
\hline
\end{tabular}
\begin{tabular}{|c|l|}
\hline & \multicolumn{1}{c|}{ Description } \\
\hline\([A]\) & \begin{tabular}{l} 
If there is no received package, "-" is displayed on all the \\
items. Each four items will be updated with refreshing \\
the display, when a package received successfully or \\
failed to receive.
\end{tabular} \\
\hline [B] & If error occurs, the error code will be displayed here. \\
\hline [C] & If error occurs, "-" will be displayed here. \\
\hline [D] & \begin{tabular}{l} 
This message will be appeared only when the \\
reservation reception has been done successfully.
\end{tabular} \\
\hline
\end{tabular}

\subsection*{5.8.4 UPDATE THE PACKAGE FIRMWARE VIA SD CARD}
1. Insert the SD card which contains a package into SD card slot.
2. Turn the power ON.
3. When the following display shows up, select [Package] and tap [OK].

4. Touch [Execute].

5. The following display will show up.

d176f2125
6. The following display will show up, and the update will be completed.

\section*{( \(\downarrow\) Note}
- " \(9 / 22\) " in the image shows "completed numbers of firmware / total numbers of update firmware". So "22/22" indicates all the update firmware has been updated.


\title{
UPLOADING/DOWNLOADING NV-RAM DATA
}
\begin{tabular}{|l|l|l|}
\hline \multicolumn{3}{|c|}{ REVISION HISTORY } \\
\hline Page & Date & \multicolumn{1}{l|}{ Added/Updated/New } \\
\hline & & None \\
\hline
\end{tabular}

\section*{6. UPLOADING/DOWNLOADING NV-RAM DATA}

\subsection*{6.1 OUTLINE}

In this machine, SP data can be uploaded to a SD card from the NV-RAM, or it can be downloaded from a SD card to the NV-RAM.

\subsection*{6.2 UPLOAD TO SD CARD FROM NV-RAM}
1. When the power is OFF, set the SD card in a SD card slot (for service), and switch the power ON.
2. Go into SP5-824-001 (upload of NV-RAM<EEPROM> contents).
3. Press key [1] under conditions where execution is possible. Upload starts.
4. Check that there a NV-RAM \(¥\) [machine number] .nv has been created for the NV-RAM folder of the SD card.
- For machine number B1790017, it is NV-RAM¥B1790017.nv. Data cannot be uploaded to a copier to which a machine number has not been input NV data of plural copiers can be stored in one SD card.

\section*{(4) Note}
\(\qquad\)
- SMC print (SP5-990) is output in SP mode. Prepare for the case where upload/download of NV-RAM data fails. Record the model number on an uploaded SD card.

\subsection*{6.3 DOWNLOAD TO NV-RAM FROM SD CARD}

When download fails due to a fault with the NV-RAM card, or a fault with the communication line between the controller <=>BCU(s), repeat the download. If still not successful, manually enter the SP/UP preset value based on the SMC print outputted previously.
1. When the power is OFF, set the SD card containing NV-RAM data in the SD card slot (for service), and switch the power ON.
2. Go into SP5-825-001 (NV-RAM contents download).
3. Press key [1] under conditions where execution is possible.
* When there is a nv file corresponding to a machine model number, it is downloaded. When the model number is not correct, it is not downloaded.
- Data except for download target
- Total counters
- C/O, P/O counters
- Accounting counters for default settings counter display
- Copy option setting by customer support system

\section*{ADDRESS BOOK UPLOADIDOWNLOAD}
\begin{tabular}{|l|l|l|}
\hline \multicolumn{2}{|c|}{ REVISION HISTORY } \\
\hline Page & Date & \multicolumn{1}{l|}{ Added/Updated/New } \\
\hline & & None \\
\hline
\end{tabular}

\section*{7. ADDRESS BOOK UPLOAD/DOWNLOAD}

\subsection*{7.1 BACKUP}

Backup address book information on SD card formatted with the specified software.
1. Switch the power OFF.
2. After removing the SD slot cover of the controller unit, set the SD card in the service slot.
3. Switch the power ON.
4. Execute SP5-846-051 full address book backup.
5. Switch the power OFF.
6. Remove the SD card.
7. Return the SD slot cover to the original position.

\section*{Note}
- When local user information to be uploaded is not contained in the SD card, an execute malfunction is displayed. It cannot be used in the write-protect state.
- Since the address book is the customer's information, take care about handling it, and never bring it back.

\subsection*{7.2 RESTORE}
1. Switch the power OFF.
2. After removing the SD slot cover of the controller unit, set the SD card in the service slot.
3. Switch the power ON.
4. Execute SP5-846-052 (address book information restore).
5. Switch the power OFF.
6. Remove the SD card.
7. Return the SD card slot cover to the original position.
8. Switch the power ON, and check that the address book has been restored.

\section*{( \()\) Note}
- User code counter information is initialized.
- Administrator and supervisor information is not backed up. Also, it is not erased during restore.
- If a download file does not exist, or if erasure is complete, execution malfunction is displayed.

\subsection*{7.3 SPECIFICATION}

The information which can be backed up / restored is the following items.
- Entry information
- User code information
- E-mail information
- Protection code information
- Fax information
- Fax additional information
- Group information
- Title information
- Title position information
- Folder information
- SMTP attestation
- Local authorization
- Folder authorization information
- Account ACL information
- New document initial ACL information
- LDAP authorization information

\section*{CAPTURING THE DEBUG LOGS}
\begin{tabular}{|l|l|l|}
\hline \multicolumn{2}{|c|}{ REVISION HISTORY } \\
\hline Page & Date & Added/Updated/New \\
\hline & & None \\
\hline
\end{tabular}

\section*{8. CAPTURING THE DEBUG LOGS}

\subsection*{8.1 OVERVIEW}

With this feature, you can save debug logs that are stored in the machine (HDD or operation panel) on an SD card. It allows the Customer Engineer to save and retrieve error information for analysis.

The Capturing Log feature saves debug logs for the following three.
- Controller debug log
- Engine debug log
- Debug log of the operation panel
* Important
- In older models, a technician enabled the logging tool after a problem occurred. After that, when the problem had been reproduced, the technician was able to retrieve the debug log.
- However, this new feature saves the debug logs at the time that problems occur. Then you can copy the logs to an SD card.
- You can retrieve the debug logs using a SD card without a network.
- Analysis of the debug log is effective for problems caused by the software. Analysis of the debug log is not valid for the selection of defective parts or problems caused by hardware.

\section*{Types of debug logs that can be saved}
\begin{tabular}{|l|l|l|}
\hline \multicolumn{1}{|c|}{ Type } & \multicolumn{1}{c|}{ Storage Timing } & \multicolumn{1}{c|}{\begin{tabular}{c} 
Destination \\
(maximum storage capacity)
\end{tabular}} \\
\hline \begin{tabular}{l} 
Controller debug \\
log (GW debug \\
log)
\end{tabular} & Saved at all times & \begin{tabular}{l} 
HDD (4 GB) \\
Compressed when written to an \\
SD card from the HDD (from 4 GB \\
to about 300 MB)
\end{tabular} \\
\hline \begin{tabular}{lll} 
Engine debug \\
log
\end{tabular} & \begin{tabular}{l} 
When an engine SC occurs \\
- When paper feeding/output \\
When the machine doors are \\
opened during normal \\
operation
\end{tabular} & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline Type & Storage Timing & Destination (maximum storage capacity) \\
\hline Operation panel debug log & \begin{tabular}{l}
- When a controller SC occurs \\
- When saving by manual operation with the Number keys and the Reset key (Press "Reset", "0", "1" and "C"(hold for 3 seconds)) \\
- When the operation unit detects an error \\
- When the operation panel detects an error
\end{tabular} & \begin{tabular}{l}
Operation panel (400 MB /Up to 30 times) \\
When updating the firmware for the operation panel, the debug logs are erased.
\end{tabular} \\
\hline
\end{tabular}

\section*{Note}
- Debug logs are not saved in the following conditions.
- While erasing all memory
- While data encryption equipment is installed
- While changing the firmware configuration
- Forced power OFF (accidentally disconnecting the outlet)
- Engine debug log in shutdown
- When the power supply to the HDD is off because of energy saving (engine OFF mode ISTR mode)

\subsection*{8.1.1 SECURITY OF THE OPERATION LOG}

The following operation logs related to security are not saved.
- User ID
- Password
- IP address
- Telephone number
- Encryption key
- Transition to SP mode

Also the following operation logs are not saved.
- Number keys (0 to 9 ) on the operation panel
- Soft keyboard on the touch panel display
- External keyboard

\subsection*{8.2 RETRIEVING THE DEBUG LOGS}

\section*{+ Important}
- Retrieve debug logs to identify the date of occurrence of the problems and to find details of the problems
- e.g.: At around 8:00 am on March 10, an engine stall occurred. The operation panel does not respond. Turn the main power supply off / on.
- You need to retrieve the debug logs dating back three days from the date of the problem.
- Analysis of the debug log is effective for problems caused by the software. Analysis of the debug log is not valid for the selection of defective parts or problems caused by hardware.

\subsection*{8.2.1 PROCEDURE FOR RETRIEVING THE DEBUG LOG}
1. Insert the SD card into the slot [A] on the side of the operation panel.

2. Enter SP mode.
3. Set the start date of the log with SP5-857-101 (Start date of debug log output) e.g.: March 28, 2013: input 20130328 (yyyymmdd)

\section*{( Note}
- Set the date three days earlier than the occurrence of the problems.
4. Set the end date of the log with SP5-857-102 (End date of debug log output) e.g.: March 31, 2013: input 20130331 (yyyymmdd)
5. Execute SP5-857-103 (Get a debug log of all) to write the debug log to the SD card. If the transfer is finished successfully, 'completed' is displayed on the touch panel display. )
- The approximate time it takes to transfer the debug log is as follows. Transfer time may be affected by the type or format of the SD card. (It is recommended that you format the SD card using the Panasonic SD Formatter (freeware)).
- Controller debug log (GW debug log): 2-20 minutes
- Engine debug log: 2 minutes
- Operation panel debug log: 2-20 minutes
- You can use the following service programs to obtains individual logs.
- SP5-857-104 (Obtains the controller debug log)
- SP5-857-105 (Obtains the engine debug log)
- SP5-857-106 (Obtains the snapshot debug log)
- SP5-857-107 (Obtains the control panel debug log)
- The SD access LED flashes while logs are being obtained.
6. "Finish" appears on the touch panel display, then remove the SD card.

\section*{( Note )}
- If 'failed' appears on the touch panel display, turn the power off, and then recover from step 1 again.
The debug logs are saved with the following file names.
\begin{tabular}{|l|l|}
\hline \begin{tabular}{l} 
Controller debug log (GW \\
debug log)
\end{tabular} & \begin{tabular}{l} 
/LogTrace/machine \\
number/watching/yyyymmdd_hhmmss_unique \\
identification number.gz
\end{tabular} \\
\hline Engine debug log & \begin{tabular}{l} 
/LogTrace/machine \\
number/engine/yyyymmdd_hhmmss.gz
\end{tabular} \\
\hline Operation panel debug log & \begin{tabular}{l} 
/LogTrace/machine \\
number/opepanel/yyyymmdd_hhmmss.tar.gz
\end{tabular} \\
\hline
\end{tabular}

D176/D177 SERVICE MANUAL APPENDICES

\section*{D176/D177 APPENDICES}

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\section*{APPENDIX:}

\section*{SPECIFICATIONS}
\begin{tabular}{|l|l|l|}
\hline \multicolumn{3}{|c|}{ REVISION HISTORY } \\
\hline Page & Date & Added/Updated/New \\
\hline & & None \\
\hline
\end{tabular}

\section*{1. APPENDICES: SPECIFICATIONS}

\subsection*{1.1 SPECIFICATIONS}

\subsection*{1.1.1 GENERAL SPECIFICATIONS}
\begin{tabular}{|c|c|}
\hline Item & Spec. \\
\hline Configuration: & Desktop \\
\hline CPU: & PMC-Sierra RM7035-600MHz \\
\hline RAM: & \begin{tabular}{l}
Standard: 1.5GB \\
Option: 2GB (Extend)
\end{tabular} \\
\hline Color Support: & Full color \\
\hline Photosensitivity type: & Electrical Potential and OPC Drum \\
\hline Copy process: & Laser beam scanning and electro-photographic printing \\
\hline Development System: & Dry two-component magnetic brush development system \\
\hline Fusing System: & QSU-Direct Heating (DH) Fusing System \\
\hline First copy time \({ }^{*}\) 1: & \begin{tabular}{l}
<D176> \\
- Black \& White: 5.5 Sec . or less \\
- Color: 7.7 Sec. or less \\
<D177> \\
- Black \& White: 5.5 Sec. or less \\
- Color: 7.7 Sec. or less
\end{tabular} \\
\hline Copy Speed: & \begin{tabular}{l}
<D176> \\
- Color: 20 sheets/min. \\
- Black \& White: 20 sheets/min. \\
<D177> \\
- Color: 25 sheets/min. \\
- Black \& White: 25 sheets/min.
\end{tabular} \\
\hline \begin{tabular}{l}
Warm-Up-Time: \\
(Normal Temperature \\
20C/68F, NRP)
\end{tabular} & \begin{tabular}{l}
D176: 19 Sec. or less \\
D177: 19 Sec. or less
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|}
\hline Item & Spec. \\
\hline Maximum original size: & A3 LEF, 11" \(\times 17\) " LEF (297 \(\times 432 \mathrm{~mm}\) ) : A3 / DLT full size \\
\hline Copy Size: & \begin{tabular}{l}
Main Unit upper tray (1st tray): A4 LEF, \(11^{\prime \prime} \times 81 / 2(\) (LT) LEF (A5 LEF and B5 LEF are able to set by using SP mode.) \\
Main Unit lower tray (2nd tray): SRA3 SEF, A3 SEF, B4 SEF, A4 LEF/SEF, B5 SEF/LEF, A5 LEF/SEF, A6 SEF, B6 SEF, 12 "x18" SEF, 11 "x17"(DLT) SEF, \(81 ⁄ 21 \times 14\) " (LG) SEF \(81 / 2\) "x13" (Foolscap) SEF, \(81 / 2 " \times 11\) " (LT) LEF/SEF, 814"x14" (Government LG) SEF, \(81 / 4 " \times 13\) " (Folio) SEF, 8"x13"(F/GL), 8"x10" \\
Bank lower tray: \(12.6^{\prime \prime} \times 17.7^{\prime \prime} / 12\) " x 18" to A5 LEF Bypass tray: 2.6"x17.7",12"x18"/305x458mm-A6SEF Custom size Width: 90 mm to 320 mm (Bypass) Length: 148 mm to 600 mm (FAX / Printer), 148 mm to 457.2 mm (Copy / Document Box)
\end{tabular} \\
\hline Paper weight: & \begin{tabular}{l}
- Tray 1,2: 60 to \(300 \mathrm{~g} / \mathrm{m}^{2}\) \\
- Bypass tray: 52 to \(300 \mathrm{~g} / \mathrm{m}^{2}\) \\
- Duplex: 52 to \(169 \mathrm{~g} / \mathrm{m}^{2}\)
\end{tabular} \\
\hline Missing image area: & \begin{tabular}{l}
- Leading edge: \(4.2 \pm 1.5 \mathrm{~mm}\) \\
- Left/Right: 0.5 to 4.0 mm \\
- Trailing edge: 0.5 to 6.0 mm (Duplex: 3.0 to 6.0 mm )
\end{tabular} \\
\hline Copy Scale (Zoom) & 25 to 400\%(1\% step) \\
\hline Resolution (Scanning): & 600dpi x 600dpi \\
\hline Resolution(Writing): & \begin{tabular}{l}
\(1200 \times 600\) dpi (Standard Speed) \\
\(1200 \times 1200\) dpi (Half Speed)
\end{tabular} \\
\hline Gradation: & 256 tones \\
\hline Feeding System / Paper Capacity: & \begin{tabular}{l}
- \(550 \times 2+100\) sheets \\
- \(550 \times 2+550 \times 1+100\) sheets ( 3 drawers model) \\
- \(550 \times 2+550 \times 2+100\) sheets ( 4 drawers model)
\end{tabular} \\
\hline Continuous Copy: & 1 to 999 Sheets \\
\hline
\end{tabular}
\begin{tabular}{|c|c|}
\hline Item & Spec. \\
\hline Power Source: & \begin{tabular}{l}
NA: 120-127V, 60Hz \\
EU, AA, CN: 220-240V, 50/60Hz \\
TW: 110V, 60Hz \\
KO: 220V, 60Hz
\end{tabular} \\
\hline Max. Watts: & NA, TW: 1.584 kW or less EU, AA, CN, KO: 1.7kW or less \\
\hline Dimensions (W x D x H): & \begin{tabular}{l}
EU (up to ADF): \\
- \(587 \times 685 \times 913 \mathrm{~mm}(23.2 \times 27.0 \times 36.0\) inches \()\) \\
AA (up to exposure glass): \\
- \(587 \times 685 \times 788 \mathrm{~mm}(23.2 \times 27.0 \times 31.1\) inches \()\) \\
NA (up to ADF): \\
- \(587 \times 685 \times 913 \mathrm{~mm}(23.2 \times 27.0 \times 36.0\) inches \()\)
\end{tabular} \\
\hline Unit Occupation Dimensions ( \(\mathrm{W} \times \mathrm{D}\) ): & \(1,149 \times 1,236 \mathrm{~mm}\) ( \(45.3 \times 48.7\) inches) (including the bypass tray and output trays) \\
\hline Weight: & NA: Approx. 90 kg ( 198.5 lb ) EU: Approx. 90kg (198.5 lb) AA: Approx. 81kg (178.6 Ib) \\
\hline
\end{tabular}
*1 A4 LEF, 1st paper feed tray, with book scanner.

\subsection*{1.1.2 PRINTER SPECIFICATIONS}
\begin{tabular}{|c|c|}
\hline Item & Spec. \\
\hline Print Size: & \begin{tabular}{l}
Fixed size: \\
Max. A3 LEF( \(297 \times 420 \mathrm{~mm}\) ), \(12 \times 18\) LEF ( \(304.8 \times\) 457.2 mm ) \\
Custom: \\
Max. \(320 \times 600 \mathrm{~mm}\) (bypass tray)
\end{tabular} \\
\hline Printer Language & Standard: PCL 5c/6, PDF Option: PostScript 3, PictBridge \\
\hline Print Speed (A4 / 8 1/2 \(\times 11\) SEF): & \begin{tabular}{l}
D176: 20 pages/minute \\
D177: 25 pages/minute
\end{tabular} \\
\hline Resolution: & 200 dpi, \(300 \mathrm{dpi}, 400 \mathrm{dpi}, 600 \mathrm{dpi}\), 1200 dpi \\
\hline Interface: & \begin{tabular}{l}
Standard: \\
- Ethernet interface (1000BASE-T/100BASE-TX/10BASE-T) \\
- USB 2.0 (Type A) port (on the control panel) \\
- USB 2.0 (Type B) port \\
- SD card slot (on the control panel) Optional: \\
- IEEE 1284 parallel interface \\
- IEEE \(802.11 \mathrm{a} / \mathrm{b} / \mathrm{g} / \mathrm{n}\) wireless LAN interface \\
- Gigabit Ether (1000BASE-T) (Optional for EFI) \\
- Bluetooth interface
\end{tabular} \\
\hline Protocol: & TCP/IP (IPv4/IPv6), ICMP, SNMP v1/v2/v3, DNS, Dynamic DNS, DHCP(v4/v6), SNTP, LLTD, LLMNR , WINS, NBT, IKEv1, FTP-C, SMTP-C, SMB-C, PSERVER, NPRINTER, SAP, NCP-C \\
\hline USB Interface (Standard): & USB2.0 TypeA \\
\hline Available Operating Systems: & Windows XP / Vista / 7 / 8 / Server 2003 / Server 2003 R2 / Server 2008 / Server 2008 R2 / Server 2012 and the successors / Mac OS X 10.5 or later \\
\hline
\end{tabular}
\begin{tabular}{|l|l|}
\hline \multicolumn{1}{|c|}{ Item } & \multicolumn{1}{c|}{ Spec. } \\
\hline & PCL: 45 fonts + International fonts 13 fonts \\
Fonts: & PS: 136 fonts \\
& PDF: 136fonts \\
IPDS: 108 fonts (Option) \\
\hline Scale: & \(25 \%\) to \(400 \%\) \\
\hline
\end{tabular}

\subsection*{1.1.3 SCAN SPECIFICATIONS}
\begin{tabular}{|c|c|}
\hline Item & Spec. \\
\hline Type & Full-color scanner \\
\hline Scan Method & Flatbed scanning \\
\hline Image Sensor Type & CCD Image Sensor \\
\hline Originals: & Sheet, Book, Three-dimensional object \\
\hline Available Original Size for Scanning: & \begin{tabular}{l}
Length: 10 to 297 mm \\
Width: 10 to 432 mm
\end{tabular} \\
\hline Auto Detectable Size for Originals Set to Book scanner: & \begin{tabular}{l}
EU, AA: \\
A3 SEF, B4 SEF, A4 LEF/SEF, B5 LEF/SEF, A5 LEF, 8 1/2"x13"(Foolscap) SEF, (*SP mode adjustment is required : A5 SEF, 8"x13"(F) SEF, 8 1/4"x13"(Folio) SEF, 8K SEF, 16K LEF/SEF) \\
NA: \\
11"x17"(DLT) SEF, 8 ½"x14"(LG) SEF, \\
\(81 / 2 " \times 11^{\prime \prime}(L T)\) LEF/SEF, \(81 / 2 " \times 51 / 2 "(H L T)\) LEF, \\
(*SP mode adjustment is required : \(81 / 2 " \times 5\) 1/2"(HLT)SEF)
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|}
\hline Item & Spec. \\
\hline Auto Detectable Size for Originals Set to ADF: & \begin{tabular}{l}
EU, AA: \\
A3 SEF, B4 SEF, A4 LEF/SEF, B5 LEF/SEF, A5 LEF/SEF, B6 LEF/SEF, DLT SEF, LT SEF/LEF, 8 1/2"x13"(Foolscap) SEF, (*SP mode adjustment is required : 8"x13"(F) SEF, 8 1/4"x13"(Folio) SEF, 8K SEF, 16K LEF/SEF) NA: 11"x17" (DLT)SEF, 8 ½"x14" (LG)SEF, \(81 / 2 " \times 11^{\prime \prime}(\mathrm{LT})\) LEF/SEF, \(51 / 2 " \times 81 / 21\) "(HLT) LEF/SEF, \(81 / 2 " \times 13\) "(Foolscap) SEF, 10 " \(\times 14\) "SEF, 11 " \(\times 15\) "SEF (detected the same as DLT SEF, Default = DLT SEF), 8"x10"SEF (detected the same as LT SEF, Default = LT SEF), 7 1/4"x10½"
\end{tabular} \\
\hline Original Scanning Speed: & \begin{tabular}{l}
B\&W: \\
54pages/minute (A4/LET LEF / 200dpi/300dpi ) Push \\
Scan \\
Color: \\
54pages/minute (A4/LET LEF / 200dpi/300dpi) Push Scan
\end{tabular} \\
\hline Gradation: & \begin{tabular}{l}
- Black \& White: 2 tones \\
- Color/Gray scale: 256 tones
\end{tabular} \\
\hline Basic Scanning Resolution: & 200 dpi \\
\hline Compress Format for Binary B\&W Image: & TIFF (MH/MR/MMR/JBIG2) \\
\hline Compress Format for Gray Scale / Full Color: & JPEG \\
\hline Interface: & \begin{tabular}{l}
- Ethernet (1000BASE-T/100BASE-TX/10BASE-T) \\
- Wireless LAN (IEEE802.11a/b/g/n) \\
- USB2.0 Type A \\
- SD Card Slot
\end{tabular} \\
\hline Protocol for Network Connection: & TCP/IP \\
\hline Scanning Resolution for Sending email: & 100dpi, 200dpi, 300dpi, 400dpi, 600dpi \\
\hline
\end{tabular}
\begin{tabular}{|c|c|}
\hline Item & Spec. \\
\hline Available Protocol for Sending email: & POP, SMTP, IMAP4 \\
\hline Output Format for Sending email 1 1: & TIFF, JPEG, PDF, Clear Light PDF, PDF/A \\
\hline Scanning Resolution for Scan to Folder: & 100 dpi, 200 dpi, \(300 \mathrm{dpi}, 400 \mathrm{dpi}\), 600 dpi \\
\hline Available Protocol for Send to Folder: & SMB, FTP, NCP \\
\hline Output Format for Send to Folder*1: & TIFF, JPEG, PDF, Clear Light PDF, PDF/A \\
\hline Available Protocol for WSD Scanner Sending: & Web Services on Devices for Scanning \\
\hline Scan Resolution for Network TWAIN Scanner: & 100 to 1200 dpi \\
\hline Available Protocol for Network TWAIN Scanner: & TCP/IP \\
\hline Available Operating Systems for Network TWAIN Scanner: & Windows XP / 7 / 8 / Vista / Server2003 / 2003 R2 / Server 2008 / 2008 R2 / Server 2012 and the successors \\
\hline Scanning Resolution for Scan to Network: & \(100 \mathrm{dpi}, 200 \mathrm{dpi}, 300 \mathrm{dpi}, 400 \mathrm{dpi}\), 600 dpi \\
\hline Scan Resolution for when Using WIA Scanner: & 100 to 1200dpi \\
\hline Available Protocol for when Using WIA Scanner: & TCP/IP \\
\hline Available Operating Systems for WIA Scanner: & \begin{tabular}{l}
Windows Vista (SP1 or later)/7/8, Windows Server 2008/2008 R2/2012 \\
(WIA scanner can function under both 32 - and 64-bit operating systems.)
\end{tabular} \\
\hline
\end{tabular}
*1 Electric certificate can be attached when selecting [PDF], [Clear light PDF], or [PDF/A] as file format. For [PDF] or [Clear light PDF], Security Settings are available.

\subsection*{1.1.4 OTHER SPECIFICATIONS}

\section*{HDD Specifications}
\begin{tabular}{|l|l|}
\hline \multicolumn{1}{|c|}{ Item } & \multicolumn{1}{c|}{ Spec. } \\
\hline & \begin{tabular}{l} 
Approx. 73 GB \\
Maximum: 9,000 pages \\
(Total number of pages that can be accommodated stored \\
with all functions combined.) \\
Copier/B\&W/A4 original: Approx. 9,000 pages \\
Copier/Full Color/A4 original: Approx. 2,200 pages \\
Printer/Full Color/A4/600 dpi, 2 bits: Approx. 9,000 pages \\
Scanner/Full Color/A4/200 dpi, 8 bits/JPEG: Approx. \\
9,000 pages \\
(Under the printer and scanner modes, the number of the \\
pages that can be stored depends on the print image and \\
original.)
\end{tabular} \\
\hline Maximum number of stored for Document Box: & \begin{tabular}{l} 
3,000 documents
\end{tabular} \\
documents: & \begin{tabular}{l} 
Maximum: 2,000 pages \\
Copier/B\&W/A4 original: Approx. 2,000 pages \\
Printer/B\&W/A4/600 dpi, 4 bits: Approx. 2,000 pages \\
(Under the printer mode, the number of the pages that can \\
be sorted depends on the print image.)
\end{tabular} \\
\hline by memory sorting:
\end{tabular}

\section*{Noise Emission}

Sound power level:
Main Unit Only
\begin{tabular}{|l|l|l|}
\hline \multicolumn{1}{|c|}{ Item } & \multicolumn{1}{|c|}{ D176 } & \multicolumn{1}{c|}{ D177 } \\
\hline Stand-by & \(32.4 \mathrm{~dB}(\mathrm{~A})\) & \(32.5 \mathrm{~dB}(\mathrm{~A})\) \\
\hline Copying & BW: \(59.5 \mathrm{~dB}(\mathrm{~A})\) & BW: \(60.2 \mathrm{~dB}(\mathrm{~A})\) \\
& FC: \(60.7 \mathrm{~dB}(\mathrm{~A})\) & FC: \(61.6 \mathrm{~dB}(\mathrm{~A})\) \\
\hline
\end{tabular}

\section*{Complete System}
\begin{tabular}{|l|l|l|}
\hline \multicolumn{1}{|c|}{ Item } & \multicolumn{1}{|c|}{ D176 } & \multicolumn{1}{c|}{ D177 } \\
\hline Stand-by & \(33.0 \mathrm{~dB}(\mathrm{~A})\) & \(32.5 \mathrm{~dB}(\mathrm{~A})\) \\
\hline Copying & \(67.8 \mathrm{~dB}(\mathrm{~A})\) & \(67.8 \mathrm{~dB}(\mathrm{~A})\) \\
\hline
\end{tabular}

Sound pressure level:

\section*{Main Unit Only}
\begin{tabular}{|l|l|l|}
\hline \multicolumn{1}{|c|}{ Item } & \multicolumn{1}{|c|}{ D176 } & \multicolumn{1}{|c|}{ D177 } \\
\hline Stand-by & \(19.5 \mathrm{~dB}(\mathrm{~A})\) & \(\mathrm{dB}(\mathrm{A})\) \\
\hline Copying & BW: \(46.1 \mathrm{~dB}(\mathrm{~A})\) & BW: \(46.8 \mathrm{~dB}(\mathrm{~A})\) \\
& FC: \(46.7 \mathrm{~dB}(\mathrm{~A})\) & FC: \(47.6 \mathrm{~dB}(\mathrm{~A})\) \\
\hline
\end{tabular}

\section*{Complete System}
\begin{tabular}{|l|l|l|}
\hline \multicolumn{1}{|c|}{ Item } & \multicolumn{1}{|c|}{D 176} & \multicolumn{1}{|c|}{D 177} \\
\hline Stand-by & \(19.7 \mathrm{~dB}(\mathrm{~A})\) & \(19.5 \mathrm{~dB}(\mathrm{~A})\) \\
\hline Copying & \(54.8 \mathrm{~dB}(\mathrm{~A})\) & \(55.0 \mathrm{~dB}(\mathrm{~A})\) \\
\hline
\end{tabular}
- Sound power level and sound pressure level are actual values measured in accordance with ISO 7779.
- Sound pressure level is measured from the position of the bystander.
- The complete system consists of the main unit, ADF, lower paper trays, internal tray 2, Internal Finisher SR3130, and punch unit.

\subsection*{1.2 SUPPORTED PAPER SIZES}

\subsection*{1.2.1 ORIGINAL SIZE DETECTION}
\begin{tabular}{|c|c|c|c|c|}
\hline \multirow{2}{*}{Size (W x L) [mm]} & \multicolumn{2}{|c|}{NA} & \multicolumn{2}{|c|}{EUIAP} \\
\hline & Book & ADF & Book & ADF \\
\hline A3 SEF (297 \(\times 420\) ) & - & Y & \(Y^{*} 4\) & Y \\
\hline B4 SEF ( \(257 \times 364\) ) & - & - & \(\mathrm{Y}^{*} 4\) & Y \\
\hline A4 SEF (210 x 297) & \(Y^{* 5}\) & Y & \(\mathrm{Y}^{* 4,5}\) & Y \\
\hline A4 LEF (297 x 210) & \(Y^{* 5}\) & Y & \(\mathrm{Y}^{* 4,5}\) & Y \\
\hline B5 SEF (182 x 257) & - & - & \(Y^{*}\) & Y \\
\hline B5 LEF (257 x 182) & - & - & \(Y^{*} 4\) & Y \\
\hline A5 SEF (148 x 210) & - & - & \(\mathrm{Y}^{\star 2,4}\) & Y \\
\hline A5 LEF (210 x 148) & - & - & \(Y^{*} 4\) & Y \\
\hline B6 SEF (128 \(\times 182\) ) & - & - & - & Y \\
\hline B6 LEF (182 \(\times 128\) ) & - & - & - & Y \\
\hline DLT SEF (11" x 17") & Y & \(Y^{*} \mathrm{Db}\) & - & \(Y^{*}{ }^{\text {Df }}\) \\
\hline LG SEF ( \(\left.8^{1} /{ }_{2}^{\prime \prime} \times 14{ }^{\prime \prime}\right)\) & Y & \(\mathrm{Y}^{*} \mathrm{Dc}\) & - & - \\
\hline LT SEF ( \(8^{1} / 2^{\prime \prime} \times 11{ }^{\prime \prime}\) ) & \(Y^{* 5}\) & \(\mathrm{Y}^{*} \mathrm{Dd}\) & \(Y^{* 5}\) & \(\mathrm{Y}^{*} \mathrm{Dg}\) \\
\hline LT LEF (11" x 8 \(1_{2}{ }^{\prime \prime}\) ) & \(Y^{* 5}\) & \(Y^{*} \mathrm{De}\) & \(Y^{* 5}\) & \(\mathrm{Y}^{*} \mathrm{Dh}\) \\
\hline HLT SEF ( \(51 / 2^{\prime \prime} \times 81 / 2{ }^{1}\) ) & \(\mathrm{Y}^{*}{ }^{2}\) & Y & - & - \\
\hline HLT LEF ( \(\left.81 / 2^{\prime \prime} \times 51 / 2{ }^{1}\right)\) & Y & Y & - & - \\
\hline F SEF (8" x 13") & - & - & \(\mathrm{Y}^{*} 3\) & \(\mathrm{Y}^{*}\) S3 \\
\hline Foolscap SEF (81/2" \(\times 13\) ") & - & \(\mathrm{Y}^{*} \mathrm{Sc}\) & \(Y^{* D 3}\) & \(\mathrm{Y}^{* D 3}\) \\
\hline Folio SEF ( \(81 /{ }_{4}{ }^{\prime \prime} \times 13\) ") & - & - & \(Y^{*}\) S3 & \(\mathrm{Y}^{*}\) S3 \\
\hline Folio SEF (11" x 15") & - & \(\mathrm{Y}^{*} \mathrm{Sb}\) & - & - \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|}
\hline \multirow{2}{*}{Size (W x L) [mm]} & \multicolumn{2}{|c|}{NA} & \multicolumn{2}{|c|}{EUIAP} \\
\hline & Book & ADF & Book & ADF \\
\hline Folio SEF (10" x 14") & - & Y & - & - \\
\hline Folio SEF (8" x 10") & - & \(Y^{*}\) Sd & - & - \\
\hline US EXE SEF ( \(\left.7^{1} / 4^{\prime \prime} \times 10 \frac{1}{2}{ }^{\prime \prime}\right)\) & - & Y & - & - \\
\hline US EXE LEF ( \(\left.10^{1} /{ }_{2} \times 7{ }^{1} 4^{\prime \prime}\right)\) & - & \(Y^{*} \mathrm{Se}\) & - & - \\
\hline 8K SEF (267 x 390) & - & - & \(Y^{*} 4\) & \(Y^{*} \mathrm{Sf}\) \\
\hline 16K SEF (195 x 267) & - & - & \(\mathrm{Y}^{*}\) & \(\mathrm{Y}^{*} \mathrm{Sg}\) \\
\hline 16K LEF (267 x 195) & - & - & \(\mathrm{Y}^{* 4 v}\) & \(\mathrm{Y}^{*} \mathrm{Sh}\) \\
\hline
\end{tabular}

Sizes with letters ( \(a, b, c\) ) means only either size with the corresponding letter can be selected for size detection. " D " is for default set sizes, and when setting " S " sizes for size detection from SP mode, "D" sizes can no longer be detected.
(*2)For detected originals smaller then A5 size, with SP mode either "detect as A5" or "Detect as Unknown" can be selected. (Default is "Detect as unknown")
(*3)F Sizes ( \(8.5 " \times 13 "\) SEF, \(8.25 " \times 13 "\) SEF, \(8 " \times 13 "\) SEF) will be available by SP mode settings.
(*4)Switch Book scanner original detection between "K" series and "A/B" series from SP mode.
(Can not set both to detect, but \(8 \mathrm{~K} / 16 \mathrm{~K}\) detect can de set from SO mode)
8K SEF -> Switch between A3, B4 SEF
16K SEF -> Switch between A4, A5, B5 SEF
16K LEF -> Switch between A4, A5, B5 LEF *Can not switch only either size.
(*5)Can be selected with switching A4/LT from SP mode:
- Standard detect (default)
- When placing A4/LT size LEF, detect as A4 LEF. When placing SEF, detect as LT SEF.
- When placing A4/LT size LEF, detect as LT LEF. When placing SEF, detect as A4 SEF.

\section*{Remarks:}
\begin{tabular}{|c|l|}
\hline Y & Yes; available \\
\hline- & Not available \\
\hline
\end{tabular}

\subsection*{1.2.2 PAPER FEED}

Tray 1 Through 3
\begin{tabular}{|c|c|c|c|c|c|c|}
\hline Size ( \(\mathbf{W} \times \mathrm{L}\) ) [mm] & \multicolumn{2}{|c|}{Tray 1} & \multicolumn{2}{|c|}{Tray 2} & \multicolumn{2}{|l|}{\begin{tabular}{l}
Tray 3/4 \\
1 drawer \\
/2 drawers bank
\end{tabular}} \\
\hline Region (EU/AA) & NA & EU/AA & NA & EU/AA & NA & EU/AA \\
\hline A3 SEF ( \(297 \times 420\) ) & - & - & G2 & A2 & G2 & A2 \\
\hline A4 SEF ( \(210 \times 297\) ) & - & - & A & A & A & A \\
\hline A4 LEF ( \(297 \times 210\) ) & K & H & G1 & A1 & G1 & A1 \\
\hline A5 SEF ( \(148 \times 210\) ) & - & - & B & B & - & - \\
\hline A5 LEF (210 \(\times 148\) ) & K & K & A & A & A & A \\
\hline A6 SEF (105 x 148) & - & - & B & B & - & - \\
\hline B4 SEF ( \(257 \times 364\) ) & - & - & G3 & A3 & G3 & A3 \\
\hline B5 SEF (182 \(\times 257\) ) & - & - & A & A & A & A \\
\hline B5 LEF ( \(257 \times 182\) ) & K & K & G4 & A4 & G4 & A4 \\
\hline B6 SEF ( \(128 \times 182\) ) & - & - & B & B & - & - \\
\hline DLT SEF (11" x 17") & - & - & A2 & G2 & A2 & G2 \\
\hline Legal SEF ( \(\left.8^{1} / 2^{\prime \prime} \times 14{ }^{\prime \prime}\right)\) & - & - & A3 & G3 & A3 & G3 \\
\hline Foolscap SEF ( \(8^{1} / 2^{\prime \prime} \times 13\) ") & - & - & B & B & B & B \\
\hline LT SEF ( \(8^{1} / 2^{\prime \prime} \times 11^{\prime \prime}\) ) & - & - & A & A & A & A \\
\hline LT LEF ( 11 " x \(8^{1} / 2^{\prime \prime}\) ) & H & K & A1 & G1 & A1 & G1 \\
\hline Gov. LG SEF ( \(\left.8^{1} / 4^{\prime \prime} \times 14{ }^{\prime \prime}\right)\) & - & - & B & B & B & B \\
\hline Folio SEF ( \(\left.8^{1} / 4^{\prime \prime} \times 13^{\prime \prime}\right)\) & - & - & B & B & B & B \\
\hline F/GL SEF (8" \(\times 13\) ") & - & - & B & B & B & B \\
\hline GLT SEF (8" \(\times 10^{1} \mathrm{I}^{\prime \prime}\) ) & - & - & - & - & - & - \\
\hline GLT LEF ( \(10^{1} / 2^{\prime \prime} \times 8\) ") & - & & - & - & - & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|}
\hline Size ( \(\mathbf{W} \times \mathrm{L}\) ) [mm] & \multicolumn{2}{|c|}{Tray 1} & \multicolumn{2}{|c|}{Tray 2} & \multicolumn{2}{|l|}{\begin{tabular}{l}
Tray 3/4 \\
1 drawer /2 drawers bank
\end{tabular}} \\
\hline Region (EU/AA) & NA & EU/AA & NA & EU/AA & NA & EU/AA \\
\hline Eng Quatro SEF (8" x 10") & - & - & B & B & B & B \\
\hline Eng Quatro LEF (10" x 8") & - & - & - & - & - & - \\
\hline Executive SEF ( \(\left.7^{1} / 4^{\prime \prime} \times 10^{1} / 2^{\prime \prime}\right)\) & - & - & B & B & B & B \\
\hline Executive LEF ( \(\left.10^{1} / 2^{\prime \prime} \times 7{ }^{1} 4^{\prime \prime}\right)\) & - & - & A4 & G4 & A4 & G4 \\
\hline HLT SEF ( \(5^{1} / 2^{\prime \prime} \times{ }^{1} / 2^{\prime \prime}\) ) & - & - & B & B & - & - \\
\hline HLT LEF ( \(\left.8^{1} / 2^{\prime \prime} \times 5^{1} / 2^{\prime \prime}\right)\) & - & - & - & - & - & - \\
\hline SRA3 SEF (420 \(\times 320\) ) & - & - & G5 & A5 & G5 & A5 \\
\hline SRA4 SEF & - & - & - & - & - & - \\
\hline SRA4 LEF & - & - & - & - & - & - \\
\hline Line slider 1 SEF & - & - & - & - & - & - \\
\hline Line slider 1 LEF & - & - & - & - & - & - \\
\hline Line slider 2 SEF & - & - & - & - & - & - \\
\hline Line slider 2 LEF & - & - & - & - & - & - \\
\hline Com10 SEF (104.8 x 241.3) & - & - & B & B & - & - \\
\hline Com10 LEF (241.3 \(\times 104.8\) ) & - & - & B & B & B & B \\
\hline Monarch SEF (98.4 \(\times 190.5\) ) & - & - & B & B & - & - \\
\hline Monarch LEF (190.5 \(\times 98.4\) ) & - & - & - & - & - & - \\
\hline C5 SEF (162 x 229) & - & - & B & B & - & - \\
\hline C5 LEF ( \(229 \times 162\) ) & - & - & B & B & B & B \\
\hline C6 SEF ( \(114 \times 162\) ) & - & - & B & B & - & \\
\hline C6LEF (162 x 114) & & - & B & B & - & - \\
\hline DL Env SEF (110 x 220) & - & - & B & B & - & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|}
\hline Size ( \(\mathbf{W} \times \mathrm{L}\) ) [mm] & \multicolumn{2}{|c|}{Tray 1} & \multicolumn{2}{|c|}{Tray 2} & \multicolumn{2}{|l|}{\begin{tabular}{l}
Tray 3/4 \\
1 drawer \\
/2 drawers bank
\end{tabular}} \\
\hline Region (EU/AA) & NA & EU/AA & NA & EU/AA & NA & EU/AA \\
\hline DL Env LEF (220 x 110) & - & - & B & B & - & - \\
\hline 8K SEF (267 x 390) & - & - & B & B & B & B \\
\hline 16K SEF (195 x 267 ) & - & - & B & B & B & B \\
\hline 16K LEF (267 x 195 ) & - & - & B & B & B & B \\
\hline \(13^{\prime \prime} \times 19.2\) SEF & - & - & - & - & - & - \\
\hline \(13^{\prime \prime} \times 19\) SEF & - & - & - & - & - & - \\
\hline \(13^{\prime \prime} \times 18\) SEF & - & - & - & - & - & - \\
\hline 12.6 " \(\times 19.2\) SEF & - & - & - & - & - & - \\
\hline 12.6 " \(18.5^{\prime \prime}\) SEF & - & - & - & - & - & - \\
\hline 12" x 18" SEF & - & - & A5 & G5 & A5 & G5 \\
\hline 12" x 18" LEF & - & - & - & - & - & - \\
\hline 11" x 15" SEF & - & - & B & B & B & B \\
\hline \(11 " \times 14\) ' SEF & - & - & - & - & - & - \\
\hline 10" x 15" SEF & - & - & - & - & - & - \\
\hline 10" \(\times 14\) " SEF & - & - & B & B & B & B \\
\hline
\end{tabular}

\section*{Remarks:}
\begin{tabular}{|c|l|}
\hline A & Auto detectable. Also can be selected with size button of initial setting. \\
\hline B & Can be selected with size button from initial setting. \\
\hline C & Select this size by setting the dial. \\
\hline D & Set dial to "*", then select with size button from initial setting. \\
\hline
\end{tabular}
\begin{tabular}{|c|l|}
\hline E & \begin{tabular}{l} 
<Bypass setting> \\
Copy window/Bypass/Standard size/Size select or select with the print bypass \\
paper size/size button from initial setting.
\end{tabular} \\
\hline F & \begin{tabular}{l} 
Select with SP from preset paper sizes. \\
Can not be selected from printer driver.
\end{tabular} \\
\hline G & \begin{tabular}{l} 
Switches witch size to set as auto detect with SP. \\
*Example: The combination of A1-G1. \\
G (When not auto detectable) will be as same as B. \\
Combinations are only made from same region same tray. \\
*Example: The combination of G1 and J1. \\
G (When not auto detectable) will be as same as E. \\
Combinations are only made from same region same tray.
\end{tabular} \\
\hline H & Size fixed when shipping. \\
\hline I & \begin{tabular}{l} 
<Bypass setting> \\
With bypass tray, after 1 \({ }^{\text {st }}\) sheet trailing edge goes through, auto detects size, \\
then fixed to size detected from the 2 \({ }^{\text {nd }}\) sheet.
\end{tabular} \\
\hline J & \begin{tabular}{l} 
<Bypass setting> \\
Auto detect of Copy window/Bypass/Standard size/Select with size button.
\end{tabular} \\
\hline K & \begin{tabular}{l} 
Select with SP from preset paper sizes. \\
Can be selected from printer driver.
\end{tabular} \\
\hline - & \begin{tabular}{l} 
Not available
\end{tabular} \\
\hline
\end{tabular}

\section*{Bypass Trays}
\begin{tabular}{|c|c|c|c|c|}
\hline Size (W x L) [mm] & \multicolumn{2}{|c|}{Bypass} & \multicolumn{2}{|l|}{One Action Bypass} \\
\hline Region (EU/AA) & NA & EU/AA & NA & EU/AA \\
\hline A3 SEF (297 \(\times 420\) ) & E & J & J & J \\
\hline A4 SEF (210 x 297) & E & J & E & J \\
\hline A4 LEF (297 x 210) & E & J & J & J \\
\hline A5 SEF (148 x 210) & E & J & J & J \\
\hline A5 LEF (210 \(\times 148\) ) & E & J & J & J \\
\hline A6 SEF (105 x 148) & E & J & J & J \\
\hline B4 SEF (257 x 364) & E & J & E & E \\
\hline B5 SEF (182 x 257) & E & J & J & J \\
\hline B5 LEF ( \(257 \times 182\) ) & E & J & J & J \\
\hline B6 SEF (128 x 182 ) & E & J & J & J \\
\hline DLT SEF (11" x 17") & J & E & J & J \\
\hline Legal SEF (81/2" x 14") & G1 & E & G1 & E \\
\hline Foolscap SEF ( \(8^{1} / 2^{\prime \prime} \times 13\) ') & E & E & E & E \\
\hline LT SEF ( \(8^{1} / 2^{\prime \prime} \times 11{ }^{\prime \prime}\) ) & J1 & E & J1 & E \\
\hline LT LEF (11" x 81/2") & J & E & J & J \\
\hline Gov. LG SEF ( \(\left.8^{1} / 4^{\prime \prime} \times 14{ }^{\prime \prime}\right)\) & E & E & E & E \\
\hline Folio SEF ( \(81 / 4^{\prime \prime} \times 13\) ") & E & E & E & E \\
\hline F/GL SEF (8" x 13") & E & E & J & J \\
\hline GLT SEF (8" \(\times 101 / 2\) ") & - & - & - & - \\
\hline GLT LEF ( \(101 / 2^{\prime \prime} \times 8\) " \()\) & - & - & - & - \\
\hline Eng Quatro SEF (8" \(\times 10\) ) & E & E & E & E \\
\hline Eng Quatro LEF (10" x 8") & - & - & - & - \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|}
\hline Size (W x L) [mm] & \multicolumn{2}{|c|}{Bypass} & \multicolumn{2}{|l|}{One Action Bypass} \\
\hline Region (EU/AA) & NA & EU/AA & NA & EU/AA \\
\hline Executive SEF \(\left(7^{1} /{ }^{1}{ }^{\prime \prime} x\right.\) \(10^{1} / 2^{\prime \prime}\) ) & E & E & E & E \\
\hline Executive LEF \(\left(10^{1} / 2^{\prime \prime} \mathrm{x}\right.\) \(7^{1} /_{4}\) ") & E & E & J & J \\
\hline HLT SEF ( \(51 / 2^{\prime \prime} \times 81 / 2{ }^{1}\) ) & J & E & J & J \\
\hline HLT LEF ( \(\left.81 /{ }^{1}{ }^{\prime \prime} \times 5^{1} / 2^{\prime \prime}\right)\) & - & - & - & - \\
\hline SRA3 SEF (420 x 320) & J & J & J & J \\
\hline SRA4 SEF & E & E & G3 & G3 \\
\hline SRA4 LEF & E & E & J & J \\
\hline Line slider 1 SEF & - & - & - & - \\
\hline Line slider 1 LEF & - & - & - & - \\
\hline Line slider 2 SEF & - & - & - & - \\
\hline Line slider 2 LEF & - & - & - & - \\
\hline \[
\begin{aligned}
& \text { Com10 SEF }(104.8 x \\
& 241.3)
\end{aligned}
\] & \(E^{* 1}\) & \(E^{* 1}\) & \(E^{* 1}\) & \(E^{* 1}\) \\
\hline \[
\begin{aligned}
& \text { Com10 LEF (241.3 x } \\
& 104.8)
\end{aligned}
\] & \(E^{* 1}\) & \(E^{* 1}\) & \(J^{* 1}\) & \(J^{\star 1}\) \\
\hline Monarch SEF (98.4 x
190.5) & \(E^{* 1}\) & \(E^{* 1}\) & \(E^{* 1}\) & \(E^{* 1}\) \\
\hline Monarch LEF (190.5 x 98.4) & \(E^{* 1}\) & \(E^{* 1}\) & \(J^{* 1}\) & \(J^{\star 1}\) \\
\hline C5 SEF (162 x 229) & \(E^{* 1}\) & \(E^{* 1}\) & \(E^{* 1}\) & \(E^{* 1}\) \\
\hline C5 LEF (229 x 162) & \(E^{* 1}\) & \(E^{* 1}\) & J3*1 & J3*1 \\
\hline C6 SEF (114 x 162) & \(E^{* 1}\) & \(E^{* 1}\) & \(E^{* 1}\) & \(E^{* 1}\) \\
\hline C6LEF (162 x 114) & \(E^{* 1}\) & \(E^{* 1}\) & \(J^{\star 1}\) & \(J^{\star 1}\) \\
\hline DL Env SEF (110 x 220) & \(E^{* 1}\) & \(E^{* 1}\) & \(E^{* 1}\) & \(E^{\star 1}\) \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|}
\hline Size ( \(\mathbf{W} \times \mathrm{L}\) ) [mm] & \multicolumn{2}{|c|}{Bypass} & \multicolumn{2}{|l|}{One Action Bypass} \\
\hline Region (EUIAA) & NA & EU/AA & NA & EU/AA \\
\hline DL Env LEF (220 x 110) & \(E^{* 1}\) & \(E^{* 1}\) & \(\mathrm{J}^{* 1}\) & \(J^{* 1}\) \\
\hline 8K SEF ( \(267 \times 390\) ) & E & E & J & J \\
\hline 16K SEF (195 x 267 ) & E & E & E & E \\
\hline 16K LEF (267 x 195 ) & E & E & E & E \\
\hline \(13^{\prime \prime} \times 19.2\) SEF & - & - & - & - \\
\hline \(13^{\prime \prime} \times 19^{\prime \prime}\) SEF & - & - & - & - \\
\hline \(13^{\prime \prime} \times 18^{\prime \prime}\) SEF & - & - & - & - \\
\hline \(12.6^{\prime \prime} \times 19.2\) SEF & - & - & - & - \\
\hline 12.6 " \(\times 18.5^{\prime \prime}\) SEF & - & - & - & - \\
\hline 12 " \(\times 18\) SEF & J & E & J & J \\
\hline 12" x 18" LEF & - & - & - & - \\
\hline \(11 " \times 15\) SEF & E & E & E & E \\
\hline \(11^{\prime \prime} \times 14\) SEF & - & - & - & - \\
\hline 10 " \(\times 15\) " SEF & - & - & - & - \\
\hline 10 " \(\times 14\) " SEF & E & E & J & J \\
\hline
\end{tabular}

\section*{Remarks:}
\begin{tabular}{|c|l|}
\hline A & Auto detectable. Also can be selected with size button of initial setting. \\
\hline B & Can be selected with size button from initial setting. \\
\hline C & Select this size by setting the dial. \\
\hline D & Set dial to "*", then select with size button from initial setting. \\
\hline E & \begin{tabular}{l} 
<Bypass setting> \\
Copy window/Bypass/Standard size/Size select or select with the print bypass \\
paper size/size button from initial setting.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|l|}
\hline F & \begin{tabular}{l} 
Select with SP from preset paper sizes. \\
Can not be selected from printer driver.
\end{tabular} \\
\hline G & \begin{tabular}{l} 
Switches witch size to set as auto detect with SP. \\
*Example: The combination of A1-G1. \\
G (When not auto detectable) will be as same as B. \\
Combinations are only made from same region same tray. \\
*Example: The combination of G1 and J1. \\
G (When not auto detectable) will be as same as E. \\
Combinations are only made from same region same tray.
\end{tabular} \\
\hline H & Size fixed when shipping. \\
\hline I & \begin{tabular}{l} 
<Bypass setting> \\
With bypass tray, after 1
\end{tabular} \\
then fixed to size detected from the the 2 \({ }^{\text {nd }}\) sheet.
\end{tabular}.
*1
Even the paper size is in the range or available sizes for duplex, envelopes can not be done so.

\subsection*{1.2.3 PAPER EXIT}

Main unit tray, 1 bin tray, Shit tray, Side tray
\begin{tabular}{|c|c|c|c|c|c|c|}
\hline \multirow[b]{2}{*}{Size ( \(\mathbf{W} \times \mathrm{L}\) ) [mm]} & Main unit tray & 1 bin tray & \multicolumn{2}{|c|}{Shit tray} & \multicolumn{2}{|l|}{Side Tray} \\
\hline & Main unit tray & Upper
tray & shift & shifting & \begin{tabular}{l}
Bridge \\
upper \\
exit
\end{tabular} & \[
\begin{aligned}
& \text { Side } \\
& \text { tray }
\end{aligned}
\] \\
\hline A3 SEF (297 x 420) & A & A & A & A & A & A \\
\hline A4 SEF ( \(210 \times 297\) ) & A & A & A & A & A & A \\
\hline A4 LEF ( \(297 \times 210\) ) & A & A & A & A & A & A \\
\hline A5 SEF (148 x 210) & A & A & A & A & A & A \\
\hline A5 LEF (210 x 148 ) & A & A & A & A & A & A \\
\hline A6 SEF (105 x 148) & A & \(B^{* 1}\) & A & A & A & A \\
\hline B4 SEF ( \(257 \times 364\) ) & A & A & A & A & A & A \\
\hline B5 SEF (182 x 257) & A & A & A & A & A & A \\
\hline B5 LEF (257 x 182 ) & A & A & A & A & A & A \\
\hline B6 SEF ( \(128 \times 182\) ) & A & \(\mathrm{B}^{* 1}\) & A & A & A & A \\
\hline DLT SEF (11" x 17") & A & A & A & A & A & A \\
\hline Legal SEF ( \(\left.8^{1} / 2^{\prime \prime} \times 14{ }^{\prime \prime}\right)\) & A & A & A & A & A & A \\
\hline Foolscap SEF ( \(\left.8^{1} / 2^{\prime \prime} \times 13^{\prime \prime}\right)\) & A & A & A & A & A & A \\
\hline LT SEF ( \(8^{1} / 2^{\prime \prime} \times 11{ }^{\prime \prime}\) ) & A & A & A & A & A & A \\
\hline LT LEF (11" x 8 \(1 / 2^{\prime \prime}\) ) & A & A & A & A & A & A \\
\hline Gov. LG SEF ( \(\left.81 / 4^{\prime \prime} \times 14{ }^{\prime \prime}\right)\) & A & A & A & A & A & A \\
\hline Folio SEF ( \(81 / 4^{\prime \prime} \times 13\) ") & A & A & A & A & A & A \\
\hline F/GL SEF (8" x 13") & A & A & A & A & A & A \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|}
\hline \multirow[b]{2}{*}{Size ( \(\mathbf{W} \times \mathrm{L}\) ) [mm]} & Main unit tray & 1 bin tray & \multicolumn{2}{|r|}{Shit tray} & \multicolumn{2}{|l|}{Side Tray} \\
\hline & Main unit tray & Upper
tray & shift & shifting & \begin{tabular}{l}
Bridge \\
upper \\
exit
\end{tabular} & Side \\
\hline GLT SEF (8" \(\times 10^{1} / 2^{\prime \prime}\) ) & - & - & - & - & - & - \\
\hline GLT LEF ( \(\left.10^{1} / 2^{\prime \prime} \times 8 \mathrm{C}\right)\) & - & - & - & - & - & - \\
\hline Eng Quatro SEF (8" x 10") & A & A & A & A & A & A \\
\hline Eng Quatro LEF (10" x 8") & - & - & - & - & - & - \\
\hline \[
\begin{aligned}
& \text { Executive } \operatorname{SEF}\left(7^{1} / 4^{\prime \prime} x\right. \\
& \left.10 \frac{1}{2} / 2^{\prime \prime}\right)
\end{aligned}
\] & A & A & A & A & A & A \\
\hline \[
\begin{aligned}
& \text { Executive } \operatorname{LEF}\left(10^{1} / 2^{\prime \prime} x\right. \\
& \left.7^{1} / 4^{\prime \prime}\right)
\end{aligned}
\] & A & A & A & A & A & A \\
\hline HLT SEF ( \(5^{1} / 2^{\prime \prime} \times 81 / 2^{\prime \prime}\) ) & A & A & A & A & A & A \\
\hline HLT LEF ( \(\left.8^{1} / 2^{\prime \prime} \times 5^{1} / 2^{\prime \prime}\right)\) & - & - & - & - & - & - \\
\hline SRA3 SEF (420 \(\times 320\) ) & A & A & A & A & A & A \\
\hline SRA4 SEF & A & A & A & A & A & A \\
\hline SRA4 LEF & A & A & A & A & A & A \\
\hline Line slider 1 SEF & - & - & - & - & - & - \\
\hline Line slider 1 LEF & - & - & - & - & - & - \\
\hline Line slider 2 SEF & - & - & - & - & - & - \\
\hline Line slider 2 LEF & - & - & - & - & - & - \\
\hline \[
\begin{aligned}
& \text { Com10 SEF (104.8 x } \\
& 241.3)
\end{aligned}
\] & A & \(\mathrm{B}^{* 1}\) & A & A & A & A \\
\hline \[
\begin{aligned}
& \text { Com10 LEF (241.3 x } \\
& 104.8)
\end{aligned}
\] & A & \(\mathrm{B}^{* 1}\) & A & A & \(\mathrm{A}^{\star_{1,2,3}}\) & - \\
\hline \[
\begin{aligned}
& \text { Monarch SEF }(98.4 \mathrm{x} \\
& \text { 190.5) }
\end{aligned}
\] & A & \(\mathrm{B}^{* 1}\) & A & A & A & A \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|}
\hline \multirow[b]{2}{*}{Size ( \(\mathbf{W} \times \mathrm{L}\) ) [mm]} & Main unit tray & 1 bin tray & \multicolumn{2}{|r|}{Shit tray} & \multicolumn{2}{|r|}{Side Tray} \\
\hline & Main unit tray & Upper tray & shift & shifting & Bridge upper exit & Side tray \\
\hline Monarch LEF (190.5 x
98.4) & A & \(B^{* 1}\) & A & A & \(\mathrm{A}^{* 1,2,3}\) & - \\
\hline C5 SEF (162 x 229) & A & \(\mathrm{B}^{* 1}\) & A & A & A & A \\
\hline C5 LEF ( \(229 \times 162\) ) & A & \(\mathrm{B}^{* 1}\) & A & A & A & A \\
\hline C6 SEF (114 x 162) & A & \(\mathrm{B}^{* 1}\) & A & A & A & A \\
\hline C6LEF ( \(162 \times 114\) ) & A & \(\mathrm{B}^{* 1}\) & A & A & \(A^{* 1,2,3}\) & - \\
\hline DL Env SEF (110 x 220) & A & \(\mathrm{B}^{* 1}\) & A & A & A & A \\
\hline DL Env LEF (220 x 110) & A & \(\mathrm{B}^{* 1}\) & A & A & \(\mathrm{A}^{* 1,2,3}\) & - \\
\hline 8K SEF ( \(267 \times 390\) ) & A & A & A & A & A & A \\
\hline 16K SEF (195 x 267 ) & A & A & A & A & A & A \\
\hline 16K LEF ( \(267 \times 195\) ) & A & A & A & A & A & A \\
\hline 13 " 19.2 " SEF & - & - & - & - & - & - \\
\hline \(13^{\prime \prime} \times 19\) ' SEF & - & - & - & - & - & - \\
\hline \(13^{\prime \prime} \times 18\) ' SEF & - & - & - & - & - & - \\
\hline 12.6 " 19.2 SEF & - & - & - & - & - & - \\
\hline 12.6 " 18.5 " SEF & - & - & - & - & - & - \\
\hline 12 " \(\times 18\) " SEF & A & B & A & A & A & A \\
\hline 12" x 18" LEF & - & - & - & - & - & - \\
\hline \(11^{\prime \prime} \times 15\) SEF & A & A & A & A & A & A \\
\hline \(11^{\prime \prime} \times 14\) ' SEF & - & - & - & - & - & - \\
\hline 10 " x 15" SEF & - & - & - & - & - & - \\
\hline \(10^{\prime \prime} \times 14\) SEF & A & A & A & A & A & A \\
\hline
\end{tabular}

\section*{Remarks:}
\begin{tabular}{|c|l|}
\hline A & Paper through, paper exit available. \\
\hline B & Will not guarantee, but paper can go through or exit. \\
\hline- & Not available. \\
\hline
\end{tabular}
\begin{tabular}{|c|l|}
\hline\(* 1\) & Out of the true up precision guarantee. \\
\hline\(* 2\) & Envelopes can only go through each at a time. \\
\hline\(* 3\) & Except envelops with triangle flap. \\
\hline
\end{tabular}

\subsection*{1.3 SOFTWARE ACCESSORIES}

The printer drivers and utility software are provided on one CD-ROM. An auto-run installer allows you to select which components to install.

\subsection*{1.3.1 PRINTER DRIVERS}
\begin{tabular}{|c|c|c|c|c|}
\hline Printer Language & Windows
\[
X P^{*_{1}+6}
\] & Windows Vista \({ }^{* 2+6}\) & Windows \(7^{* 3^{* *}}\) & Windows \(8^{* 6 * 8}\) \\
\hline PCL 5c /PCL 6 & Yes & Yes & Yes & Yes \\
\hline PS3 & Yes & Yes & Yes & Yes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|}
\hline Printer Language & Windows Server \(2003^{* 4 * 6}\) & Windows Server \(2008^{* 5+6}\) & Windows Server 2012 \({ }^{* 9}\) & Macintosh \({ }^{* 7}\) \\
\hline PCL 5c /PCL 6 & Yes & Yes & Yes & No \\
\hline PS3 & Yes & Yes & Yes & Yes \\
\hline
\end{tabular}
*1 Microsoft Windows XP Professional Edition / Home Edition / Media Center Edition / Tablet PC Edition
*2 Microsoft Windows Vista Ultimate / Enterprise / Business / Home Premium / Home Basic
*3 Microsoft Windows 7 Home Premium / Professional / Ultimate / Enterprise
*4 Microsoft Windows Server 2003 Standard Edition / Enterprise Edition / Microsoft Windows Server 2003 R2 Standard Edition / Enterprise Edition
*5 Microsoft Windows Server 2008 Standard / Enterprise / Microsoft Windows Server 2008 R2
Standard / Enterprise
*6 Supports both 32bit, 64bit
*7 Supports Mac OS X 10.4 or later
*8 Microsoft Windows 8 (Core Edition) / Pro / Enterprise
*9 Microsoft Windows Server 2012 Standard / Datacenter / Essentials

\section*{Wote}
- All other Drivers except ones for Windows XP / 2003 / Vista / 7 / 8 are Adobe genuine PostScript driver.
- PPD file for each operation systems is included in the driver.

\subsection*{1.3.2 SCANNER AND LAN FAX DRIVERS}
\begin{tabular}{|c|c|c|c|c|}
\hline Driver & \begin{tabular}{c} 
Windows \\
XP \(^{{ }^{*} 1^{*}}\)
\end{tabular} & \begin{tabular}{c} 
Windows \\
Vista \(^{* 2 *}\)
\end{tabular} & Windows \(7^{3^{*} 6}\) & Windows \(8^{* 6^{* 7}}\) \\
\hline TWAIN & Yes & Yes & Yes & Yes \\
\hline PC-FAX & Yes & Yes & Yes & Yes \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|}
\hline Driver & \begin{tabular}{c} 
Windows \\
Server 2003
\end{tabular} \\
\hline TW*6
\end{tabular} \begin{tabular}{c} 
Windows \\
Server 2008
\end{tabular} (5*6 \begin{tabular}{c} 
Windows \\
Server 2012*8
\end{tabular}\(\quad\) Macintosh
*1 Microsoft Windows XP Professional Edition / Home Edition / Media Center Edition / Tablet PC Edition
*2 Microsoft Windows Vista Ultimate / Enterprise / Business / Home Premium / Home Basic
*3 Microsoft Windows 7 Home Premium / Professional / Ultimate / Enterprise
*4 Microsoft Windows Server 2003 Standard Edition / Enterprise Edition / Microsoft Windows
Server 2003 R2 Standard Edition / Enterprise Edition
*5 Microsoft Windows Server 2008 Standard / Enterprise / Microsoft Windows Server 2008 R2
Standard / Enterprise
*6 Supports both 32bit, 64bit (Scanner driver works on 32bit compatible mode)
*7 Microsoft Windows 8 (Core Edition) / Pro / Enterprise
*8 Microsoft Windows Server 2012 Standard / Datacenter / Essentials
(4) Note
- With LAN Fax driver, sending documents directly from PC will be available.
- Also Address Book Editor and Cover Sheet Editor will installed along.
- Network TWAIN driver will be provided on the scanner driver CD-ROM.

\subsection*{1.4 OPTIONAL EQUIPMENT}

\subsection*{1.4.1 ARDF DF3090 (D779)}
\begin{tabular}{|c|c|}
\hline Mode: & Batch mode, SADF mode, Mixed Sizes mode, Original Orientation mode, and Custom Size originals mode \\
\hline Original Size: & \begin{tabular}{l}
EU/AA \\
- One-sided originals: A3 SEF-B6 JIS LEF/SEF, 11 x 17 SEF-8 1/2 x 11 LEF/SEF \\
- Two-sided originals: A3 SEF-A5 LEF/SEF, \(11 \times 17\) SEF-8 1/2 x 11 LEF/SEF \\
NA \\
- One-sided originals: \(11 \times 17\) SEF-5 \(1 / 2 \times 81 / 2\) LEF/SEF, A3 SEF-A4 LEF/SEF \\
- Two-sided originals: \(11 \times 17\) SEF-5 \(1 / 2 \times 81 / 2\) LEF/SEF, A3 SEF-A4 LEF/SEF
\end{tabular} \\
\hline Original weight: & \begin{tabular}{l}
- One-sided originals: \(40-128 \mathrm{~g} / \mathrm{m} 2\) ( \(11-34 \mathrm{lb}\). Bond) \\
- Two-sided originals: \(52-128 \mathrm{~g} / \mathrm{m} 2\) ( \(14-34 \mathrm{lb}\). Bond)
\end{tabular} \\
\hline Number of originals to be set ( \(81 \mathrm{~g} / \mathrm{m} 2,20 \mathrm{lb}\). Bond): & 100 sheets \\
\hline Maximum power consumption: & 42 W or less (Power is supplied from the main unit.) \\
\hline Dimensions ( \(\mathrm{W} \times \mathrm{D} \times \mathrm{H}\) ) : & \(565 \times 500 \times 125 \mathrm{~mm}\) ( \(22.3 \times 19.7 \times 5.0\) inches) \\
\hline Weight: & Approx. 9 kg (19.9 lb.) \\
\hline
\end{tabular}

\subsection*{1.4.2 INTERNAL FINISHER SR3130 (D690)}
\begin{tabular}{|c|c|}
\hline Paper size: & A3 SEF, A4 LEF/SEF, A5 LEF/SEF, A6 SEF, B4 JIS SEF, B5 JIS LEF/SEF, B6 JIS SEF, \(11 \times 17\) SEF, \(81 / 2 \times 14\) SEF, \(81 / 2 \times 13\) SEF, \(81 / 2 \times 11 \mathrm{LEF} / \mathrm{SEF}, 81 / 4 \times 14\) SEF, \(81 / 4 \times 13\) SEF, \(8 \times 13\) SEF, \(8 \times 10\) SEF, \(71 / 4 \times 10\) 1/2 LEF/SEF, \(51 / 2 \times 8\) 1/2 SEF, \(41 / 8 \times 9\) 1/2 LEF/SEF, 3 \(7 / 8 \times 7\) 1/2 LEF/SEF, C5 Env LEF/SEF, C6 Env LEF/SEF, DL Env LEF/SEF, 8K SEF, 16K LEF/SEF, 12 x 18 SEF, \(11 \times 15\) SEF, \(10 \times 14\) SEF, SRA3 SEF, SRA4 LEF/SEF, custom size \\
\hline Paper weight: & \(60-300 \mathrm{~g} / \mathrm{m}^{2}\) (16 lb. Bond-110 lb. Cover) \\
\hline Paper sizes that can be shifted: & A3 SEF, A4 LEF/SEF, A5 LEF/SEF, B4 JIS SEF, B5 JIS LEF/SEF, \(11 \times 17\) SEF, \(81 / 2 \times 14\) SEF, \(81 / 2 \times 13\) SEF, 8 \(1 / 2 \times 11\) LEF/SEF, \(81 / 4 \times 14\) SEF, \(81 / 4 \times 13\) SEF, \(8 \times 13\) SEF, \(8 \times 10\) SEF, \(71 / 4 \times 101 / 2\) LEF/SEF, 8 K SEF, 16 K LEF/SEF, \(11 \times 15\) SEF, \(10 \times 14\) SEF, SRA4 SEF, custom size \\
\hline Paper weight that can be shifted: & 64-105 g/m \({ }^{2}\) (17-28 lb. Bond) \\
\hline Stack capacity ( \(80 \mathrm{~g} / \mathrm{m} 2,20\) lb. Bond): & \begin{tabular}{l}
- 500 sheets: A4, \(81 / 2 \times 11\) or smaller \\
- 250 sheets: B4 JIS, \(81 / 2 \times 14\) or larger
\end{tabular} \\
\hline Staple paper size: & \begin{tabular}{l}
A3 SEF, A4 LEF/SEF, B4 JIS SEF, B5 JIS LEF/SEF, \(11 \times\) \\
17 SEF, \(81 / 2 \times 14\) SEF, \(81 / 2 \times 13\) SEF, \(81 / 2 \times 11\) \\
LEF/SEF, \(81 / 4 \times 14\) SEF, \(81 / 4 \times 13\) SEF, \(71 / 4 \times 101 / 2\) \\
LEF/SEF, 8K SEF, 16K LEF/SEF
\end{tabular} \\
\hline Staple paper weight: & 64-105 g/m \({ }^{2}\) (17-28 lb. Bond) \\
\hline
\end{tabular}
\begin{tabular}{|c|c|}
\hline Staple capacity ( \(80 \mathrm{~g} / \mathrm{m}^{2}, 20\) lb. Bond): & \begin{tabular}{l}
- Without Mixed Size: \\
30 sheets: \\
A3 SEF, B4 JIS SEF, \(11 \times 17\) SEF, \(81 / 2 \times 14\) SEF, 8 \\
\(1 / 2 \times 13\) SEF, \(81 / 4 \times 14\) SEF, \(81 / 4 \times 13\) SEF, \(8 K\) \\
SEF \\
50 sheets: \\
A4 LEF/SEF, B5 JIS LEF/SEF, 8 1/2 x 11 LEF/SEF, \\
\(71 / 4 \times 101 / 2\) LEF/SEF, 16K LEF/SEF \\
- With Mixed Size: \\
30 sheets: \\
A3 SEF/ A4 LEF, B4 JIS SEF/ B5 JIS LEF, \(11 \times 17\) SEF/8 1/2 x 11 LEF
\end{tabular} \\
\hline Stack capacity after stapling ( \(80 \mathrm{~g} / \mathrm{m}^{2}, 20 \mathrm{lb}\). Bond): & \begin{tabular}{l}
- \(2-9\) sheets: \(55-46\) sets (A4 LEF, \(81 / 2 \times 11\) LEF) \\
- 10-50 sheets: 45-10 sets (A4 LEF, \(81 / 2 \times 11 L E F\) ) \\
- 2-9 sheets: 55-27 sets (A4 SEF, \(81 / 2 \times 11\) SEF) \\
- \(10-50\) sheets: \(25-8\) sets (A4 SEF, \(81 / 2 \times 11\) SEF) \\
- \(2-9\) sheets: \(55-27\) sets (A3 SEF, B4 JIS SEF, 11 x 17 SEF, \(81 / 2 \times 14\) SEF) \\
- 10-30 sheets: \(25-8\) sets (A3 SEF, B4 JIS SEF, 11 x 17 SEF, \(81 / 2 \times 14\) SEF)
\end{tabular} \\
\hline Staple position: & Top 1, Bottom 1, Left 2, Top 2 \\
\hline Power consumption: & \begin{tabular}{l}
- 50 W or less (without punch unit) (Power is supplied from the main unit.) \\
- 60 W or less (with punch unit) (Power is supplied from the main unit.)
\end{tabular} \\
\hline Dimensions (W x D x H): & \(546 \times 523 \times 170 \mathrm{~mm}(21.5 \times 20.6 \times 6.7\) inches \()\) \\
\hline Weight: & Approx. 13 kg ( 28.7 lb. ) (without punch unit) Approx. 17 kg ( 37.5 lb .) (with punch unit) \\
\hline
\end{tabular}

\subsection*{1.4.3 INTERNAL FINISHER SR3180 (D766)}
\begin{tabular}{|c|c|}
\hline Paper size: & A3 SEF, A4 LEF/SEF, B4 JIS SEF, B5 JIS LEF/SEF, 11 x 17 SEF, \(81 / 2 \times 14\) SEF, \(81 / 2 \times 13\) SEF, \(81 / 2 \times 11\) LEF/SEF, \(81 / 4 \times 14\) SEF, \(81 / 4 \times 13\) SEF, \(71 / 4 \times 101 / 2\) LEF/SEF, 8K SEF, 16K LEF/SEF, custom size \\
\hline Paper weight: & \(52-300 \mathrm{~g} / \mathrm{m}^{2}\) (14 lb. Bond-110 lb. Cover) \\
\hline Paper sizes that can be shifted: & \begin{tabular}{l}
A3 SEF, A4 LEF/SEF, B4 JIS SEF, B5 JIS LEF/SEF, \(11 \times\) 17 SEF, \(81 / 2 \times 14\) SEF, \(81 / 2 \times 13\) SEF, \(81 / 2 \times 11\) \\
LEF/SEF, \(81 / 4 \times 14\) SEF, \(81 / 4 \times 13\) SEF, \(71 / 4 \times 101 / 2\) \\
LEF/SEF, 8K SEF, 16K LEF/SEF, custom size
\end{tabular} \\
\hline Paper weight that can be shifted: & \(64-80 \mathrm{~g} / \mathrm{m}^{2}\) (17-20 lb. Bond) \\
\hline Stack capacity ( \(80 \mathrm{~g} / \mathrm{m} 2,20\) lb. Bond): & \begin{tabular}{l}
- 250 sheets or more:A4 LEF, B5 JIS LEF/SEF, \(81 / 2\) x \\
11 LEF/SEF \\
- 125 sheets: A3 SEF to A4 SEF, B4 JIS SEF, \(81 / 2 x\) 14 SEF, \(11 \times 17\) SEF
\end{tabular} \\
\hline Staple paper size: & \begin{tabular}{l}
A3 SEF, A4 LEF/SEF, B4 JIS SEF, B5 JIS LEF/SEF, \(11 \times\) 17 SEF, \(81 / 2 \times 14\) SEF, \(81 / 2 \times 13\) SEF, \(81 / 2 \times 11\) \\
LEF/SEF, \(81 / 4 \times 14\) SEF, \(81 / 4 \times 13\) SEF, \(71 / 4 \times 101 / 2\) \\
LEF/SEF, 8 K SEF, 16K LEF/SEF
\end{tabular} \\
\hline Staple paper weight: & \(64-80 \mathrm{~g} / \mathrm{m}^{2} \quad(17-20 \mathrm{lb}\). Bond) \\
\hline Staple capacity ( \(80 \mathrm{~g} / \mathrm{m}^{2}, 20\) lb. Bond): & \begin{tabular}{l}
5 sheets: \\
A3 SEF, A4 LEF/SEF, B4 JIS LEF/SEF, B5JIS LEF/SEF, \(11 \times 17\) SEF, 8 1/2x14 SEF, 8 1/2x13 SEF 81/2x11 \\
LEF/SEF, 8 4/1x14SEF, 8 1/4x13 SEF, 7 1/4x10 1/2 LEF/ SEF, 8K SEF, 16K LEF SEF
\end{tabular} \\
\hline Stack capacity after stapling ( \(80 \mathrm{~g} / \mathrm{m}^{2}, 20 \mathrm{lb}\). Bond): & \begin{tabular}{l}
- 30 sets or more (A4 LEF, \(81 / 2 \times 11\) LEF) \\
- 20 sets or more (B5 JIS LEF/SEF) \\
- 15 sets or more (A3 SEF- A4 SEF, B4 JIS SEF, \(11 \times\) 17 SEF, \(81 / 2 \times 11\) SEF)
\end{tabular} \\
\hline Staple position: & Bottom Slant \\
\hline
\end{tabular}
\begin{tabular}{|l|l|}
\hline Power consumption: & 30 W or less \\
\hline Dimensions \((\mathrm{W} \times \mathrm{D} \times \mathrm{H}):\) & \(435 \times 515 \times 150 \mathrm{~mm}(17.2 \times 20.3 \times 6.0\) inches \()\) \\
\hline Weight: & Approx. \(10 \mathrm{~kg}(22.1 \mathrm{lb})\). \\
\hline
\end{tabular}

\subsection*{1.4.4 SIDE TRAY TYPE M3 (D725)}
\begin{tabular}{|c|c|}
\hline Paper size: & A3 SEF, A4 LEF/SEF, A5 LEF/SEF, A6 SEF, B4 JIS SEF, B5 JIS LEF/SEF, B6 JIS SEF, \(11 \times 17\) SEF, \(81 / 2 \times 14\) SEF, \(81 / 2 \times 13\) SEF, \(81 / 2 \times 11\) LEF/SEF, \(81 / 4 \times 14\) SEF, \(81 / 4 \times 13\) SEF, \(8 \times 13\) SEF, \(8 \times 10\) SEF, \(71 / 4 \times 101 / 2\) LEF/SEF, \(51 / 2 \times 81 / 2\) SEF, \(41 / 8 \times 9\) 1/2 LEF/SEF, \(37 / 8\) x 7 1/2 LEF/SEF, C5 Env LEF/SEF, C6 Env LEF/SEF, DL Env LEF/SEF, 8K SEF, 16K LEF/SEF, \(12 \times 18\) SEF, \(11 \times\) 15 SEF, \(10 \times 14\) SEF, SRA3 SEF, SRA4 LEF/SEF, custom size \\
\hline Paper weight: & \(52-300 \mathrm{~g} / \mathrm{m}^{2}\) (14 lb. Bond-110 lb. Cover) \\
\hline \begin{tabular}{l}
Paper capacity ( \(80 \mathrm{~g} / \mathrm{m}^{2}, 20\) \\
lb. Bond):
\end{tabular} & \begin{tabular}{l}
- Internal tray 1 : \\
250 sheets: A4, \(81 / 2 \times 11\) or smaller \\
125 sheets: B4 JIS, \(81 / 2 \times 14\) or larger \\
- External tray: \\
125 sheets
\end{tabular} \\
\hline Power consumption: & 12 W or less (Power is supplied from the main unit.) \\
\hline Dimensions ( \(\mathrm{W} \times \mathrm{D} \times \mathrm{H}\) ): & \(800 \times 549 \times 156 \mathrm{~mm}\) ( \(31.5 \times 21.7 \times 6.2\) inches) \\
\hline Weight: & Approx. 4 kg (8.9 lb.) \\
\hline
\end{tabular}

\subsection*{1.4.5 SHIFT TRAY SH3070 (D691)}
\begin{tabular}{|c|c|}
\hline Paper size: & A3 SEF, A4 LEF/SEF, A5 LEF/SEF, A6 SEF, B4 JIS SEF, B5 JIS LEF/SEF, B6 JIS SEF, \(11 \times 17\) SEF, \(81 / 2 \times 14\) SEF, \(81 / 2 \times 13\) SEF, \(81 / 2 \times 11\) LEF/SEF, \(81 / 4 \times 14\) SEF, \(81 / 4 \times 13\) SEF, \(8 \times 13\) SEF, \(8 \times 10\) SEF, \(71 / 4 \times 101 / 2\) LEF/SEF, \(51 / 2 \times 81 / 2\) SEF, \(41 / 8 \times 9\) 1/2 LEF/SEF, \(37 / 8\) x 7 1/2 LEF/SEF, C5 Env LEF/SEF, C6 Env LEF/SEF, DL Env LEF/SEF, 8K SEF, 16K LEF/SEF, \(12 \times 18\) SEF, \(11 \times\) 15 SEF, \(10 \times 14\) SEF, SRA3 SEF, SRA4 LEF/SEF, custom size \\
\hline Paper weight: & \(60-300 \mathrm{~g} / \mathrm{m}^{2}\) (16 lb. Bond-110 lb. Cover) \\
\hline Paper sizes that can be shifted: & A3 SEF, A4 LEF/SEF, A5 LEF/SEF, A6 SEF, B4 JIS SEF, B5 JIS LEF/SEF, B6 JIS SEF, \(11 \times 17\) SEF, \(81 / 2 \times 14\) SEF, \(81 / 2 \times 13\) SEF, \(81 / 2 \times 11 \mathrm{LEF} / \mathrm{SEF}, 81 / 4 \times 14\) SEF, \(81 / 4 \times 13\) SEF, \(8 \times 13\) SEF, \(8 \times 10\) SEF, \(71 / 4 \times 101 / 2\) LEF/SEF, \(51 / 2 \times 81 / 2\) SEF, \(41 / 8 \times 91 / 2\) LEF/SEF, \(37 / 8\) x 7 1/2 LEF/SEF, C5 Env LEF/SEF, C6 Env LEF/SEF, DL Env LEF/SEF, 8K SEF, 16K LEF/SEF, \(12 \times 18\) SEF, \(11 \times\) 15 SEF, \(10 \times 14\) SEF, SRA3 SEF, SRA4 LEF/SEF, custom size \\
\hline Paper weight that can be shifted: & \(60-300 \mathrm{~g} / \mathrm{m}^{2}\) (16 lb. Bond-110 lb. Cover) \\
\hline Stack capacity ( \(80 \mathrm{~g} / \mathrm{m}^{2}, 20 \mathrm{lb}\). Bond): & \begin{tabular}{l}
- 250 sheets: A4, \(81 / 2 \times 11\) or smaller \\
- 125 sheets: B4 JIS, \(81 / 2 \times 14\) or larger
\end{tabular} \\
\hline Power consumption: & 5 W or less (Power is supplied from the main unit.) \\
\hline Dimensions ( \(\mathrm{W} \times \mathrm{D} \times \mathrm{H}\) ) : & \(420 \times 489 \times 107 \mathrm{~mm}\) ( \(16.6 \times 19.3 \times 4.3\) inches) \\
\hline Weight: & Approx. 2 kg (4.5 lb.) \\
\hline
\end{tabular}

\subsection*{1.4.6 1 BIN TRAY BN3110 (D692)}
\begin{tabular}{|c|c|}
\hline Number of bins: & 1 \\
\hline Paper size: & A3 SEF, A4 LEF/SEF, A5 LEF/SEF, B4 JIS SEF B5 JIS LEF/SEF, \(11 \times 17\) SEF, \(81 / 2 \times 14\) SEF, \(81 / 2 \times 13\) SEF, 8 \(1 / 2 \times 11 \mathrm{LEF} / \mathrm{SEF}, 81 / 4 \times 14\) SEF, \(81 / 4 \times 13\) SEF, \(8 \times 13\) SEF, \(8 \times 10\) SEF, \(71 / 4 \times 101 / 2\) LEF/SEF, \(51 / 2 \times 81 / 2\) SEF, 8 K SEF, 16 K LEF/SEF, \(11 \times 15\) SEF, \(10 \times 14\) SEF, SRA3 SEF, SRA4 LEF/SEF, custom size \\
\hline Paper weight: & \(52-300 \mathrm{~g} / \mathrm{m}^{2}\) ( 14 lb. Bond-110 lb. Cover) \\
\hline Paper capacity ( \(80 \mathrm{~g} / \mathrm{m}^{2}, 20\) lb. Bond): & 125 sheets \\
\hline Power consumption: & 1 W or less (Power is supplied from the main unit.) \\
\hline Dimensions ( \(\mathrm{W} \times \mathrm{D} \times \mathrm{H}\) ) : & \(444 \times 450 \times 150 \mathrm{~mm}\) ( \(17.5 \times 17.8 \times 6.0\) inches) \\
\hline Weight: & Approx. 2 kg (4.5 lb.) \\
\hline
\end{tabular}

\subsection*{1.4.7 PUNCH UNIT PU3040 (D716)}

\section*{Paper Size:}
\begin{tabular}{|l|l|}
\hline \multicolumn{1}{|c|}{ Punch unit type } & \multicolumn{1}{|c|}{ Paper size } \\
\hline 2 \& 4 holes type: 2 holes & \begin{tabular}{l} 
SEF: A3, A4, B4 JIS, B5 JIS, \(11 \times 17,81 / 2 \times 14,81 / 2 \times\) \\
\(13,81 / 2 \times 11,71 / 4 \times 101 / 2,8 \mathrm{~K}, 16 \mathrm{~K}\)
\end{tabular} \\
\hline \(2 \& 4\) holes type: 2 holes & LEF: A4, B5 JIS, \(81 / 2 \times 11,16 \mathrm{~K}\) \\
\hline \(2 \& 4\) holes type: 4 holes & SEF: A3, \(11 \times 17\) \\
\hline \(2 \& 4\) holes type: 4 holes & LEF: A4, \(81 / 2 \times 11\) \\
\hline 4 holes type: 4 holes & \begin{tabular}{l} 
SEF: A3, A4, B4 JIS, B5 JIS, \(11 \times 17,81 / 2 \times 14,81 / 2 \times\) \\
\(13,81 / 2 \times 11,71 / 4 \times 101 / 2\)
\end{tabular} \\
\hline 4 holes type: 4 holes & LEF: A4, B5 JIS, \(81 / 2 \times 11\) \\
\hline
\end{tabular}
\begin{tabular}{|l|l|}
\hline 2 \& 3 holes type: 2 holes & \begin{tabular}{l} 
SEF: A3, \(11 \times 17,81 / 2 \times 14,81 / 2 \times 13,81 / 2 \times 11,71 / 4\) \\
\(\times 101 / 2\)
\end{tabular} \\
\hline \(2 \& 3\) holes type: 2 holes & LEF: A4, \(81 / 2 \times 11\) \\
\hline \(2 \& 3\) holes type: 3 holes & SEF: A3, \(11 \times 17\) \\
\hline \(2 \& 3\) holes type: 3 holes & LEF: A4, \(81 / 2 \times 11\) \\
\hline Paper weight: & \(60-169 \mathrm{~g} / \mathrm{m}^{2}(16 \mathrm{lb}\). Bond -90 lb. Index \()\) \\
\hline
\end{tabular}

\subsection*{1.4.8 PAPER FEED UNIT PB3150 (D694)}
\begin{tabular}{|c|c|}
\hline Number of trays: & 1 \\
\hline Paper size: & A3 SEF, A4 LEF/SEF, A5 LEF, B4 JIS SEF, B5 JIS LEF/SEF, \(11 \times 17\) SEF, \(81 / 2 \times 14\) SEF, \(81 / 2 \times 13\) SEF, 8 \(1 / 2 \times 11\) LEF/SEF, \(81 / 4 \times 14\) SEF, \(81 / 4 \times 13\) SEF, \(8 \times 13\) SEF, \(8 \times 10\) SEF, \(71 / 4 \times 10\) 1/2 LEF/SEF, 8 K SEF, 16K LEF/SEF, \(12 \times 18\) SEF, \(11 \times 15\) SEF, \(10 \times 14\) SEF, \(41 / 8 \times\) 9 1/2 LEF, C5 Env LEF, SRA3 SEF, custom size \\
\hline Paper Weight: & \(60-300 \mathrm{~g} / \mathrm{m}^{2}\) (16 lb. Bond-110 lb. Cover) \\
\hline Paper Capacity ( \(80 \mathrm{~g} / \mathrm{m}^{2}, 20\) lb. Bond): & 550 sheets \(\times 1\) tray \\
\hline Power Consumption: & 19 W or less (Power is supplied from the main unit.) \\
\hline Dimension: & \(587 \times 685 \times 120 \mathrm{~mm}(23.2 \times 27.0 \times 4.8\) inches \()\) \\
\hline Weight: & Approx. 11 kg (24.3 lb.) \\
\hline
\end{tabular}

\subsection*{1.4.9 PAPER FEED UNIT PB3210 (D787)}
\begin{tabular}{|c|c|}
\hline Number of trays: & 2 \\
\hline Paper size: & \begin{tabular}{l}
A3 SEF, A4 LEF/SEF, A5 LEF, B4 JIS SEF, B5 JIS \\
LEF/SEF, \(11 \times 17\) SEF, \(81 / 2 \times 14\) SEF, \(81 / 2 \times 13\) SEF, 8 \\
\(1 / 2 \times 11 \mathrm{LEF} / \mathrm{SEF}, 81 / 4 \times 14\) SEF, \(81 / 4 \times 13\) SEF, \(8 \times 13\) \\
SEF, \(8 \times 10\) SEF, \(71 / 4 \times 101 / 2\) LEF/SEF, 8 K SEF, 16 K \\
LEF/SEF, \(12 \times 18\) SEF, \(11 \times 15\) SEF, \(10 \times 14\) SEF, \(41 / 8 \times\) \\
9 1/2 LEF, C5 Env LEF, SRA3 SEF, custom size
\end{tabular} \\
\hline Paper Weight: & \(60-300 \mathrm{~g} / \mathrm{m}^{2}\) (16 lb. Bond-110 lb. Cover) \\
\hline \begin{tabular}{l}
Paper Capacity ( \(80 \mathrm{~g} / \mathrm{m}^{2}, 20\) \\
lb. Bond):
\end{tabular} & 550 sheets \(\times 2\) trays \\
\hline Power Consumption: & 21 W or less (Power is supplied from the main unit.) \\
\hline Dimension: & \(587 \times 685 \times 247 \mathrm{~mm}(23.2 \times 27.0 \times 9.8\) inches \()\) \\
\hline Weight: & Approx. 21 kg (46.3 lb.) \\
\hline
\end{tabular}

\section*{APPENDICES:}

\section*{PREVENTIVE MAINTENANCE TABLES}
\begin{tabular}{|l|l|l|}
\hline \multicolumn{2}{|c|}{ REVISION HISTORY } \\
\hline Page & Date & \multicolumn{1}{l|}{ Added/Updated/New } \\
\hline & & None \\
\hline
\end{tabular}

\section*{2. APPENDICES: PREVENTIVE MAINTENANCE TABLES}

\subsection*{2.1 PREVENTIVE MAINTENANCE}

\subsection*{2.1.1 PREVENTIVE MAINTENANCE ITEMS}

Preventive Maintenance Items

\section*{Yield Parts}

The parts mentioned in these tables have a target yield. However, the total copy/print volume made by the machine will not reach the target yield within the machine's targeted lifetime if the machine is used under the target usage conditions ( ACV , color ratio, \(\mathrm{P} / \mathrm{J}\), and \(\mathrm{C} / \mathrm{O}\) ). So, these parts are categorized not as PM parts but as yield parts (EM parts). The parts with "(R)" in this table are yield parts.
Chart: A4 (LT)/5\%
Mode: 4 copies / original (prints/job)
Ratio 30\%
Environment: Normal temperature and humidity
Yield may change depending on circumstances and print conditions.
Symbol keys: C: Clean, R: Replace, L: Lubricant, I: Inspect

\section*{Mainframe}
\begin{tabular}{|l|l|l|l|c|c|l|}
\hline \multicolumn{1}{|c|}{ Item } & 60 K & 120 K & 240 K & 300 K & EM & \multicolumn{1}{|c|}{ Remarks } \\
\hline Scanner & & & & C & & Optics cloth \\
\hline Reflector & & & & C & & Optics cloth \\
\hline 1st mirror & & & & C & & Optics cloth \\
\hline 2nd mirror & & & & C & & Optics cloth \\
\hline 3rd mirror & & & & C & C & \begin{tabular}{l} 
Exposure glass \\
cleaner
\end{tabular} \\
\hline Exposure Glass & & & & & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|}
\hline Item & 60K & 120K & 240K & 300K & EM & Remarks \\
\hline Guide Rail(Both sides 2 steps) & & & & C & & Dry cloth \\
\hline ADF Exposure Glass & & & & C & C & Exposure glass cleaner \\
\hline \multicolumn{7}{|l|}{PCU} \\
\hline PCU(K) & R & & & & & \\
\hline \(\mathrm{PCU}(\mathrm{C}, \mathrm{M}, \mathrm{Y})\) & & & & & & Logging counts to replace: 48K \\
\hline \begin{tabular}{l}
Waste Toner \\
Bottle
\end{tabular} & & & & & & *Replace when full of waste toner bottle detected. \\
\hline Development Unit
(K) & & R & & & & \\
\hline Development Unit
\[
(C, M, Y)
\] & & R & & & & \\
\hline \multicolumn{7}{|l|}{Transfer} \\
\hline \begin{tabular}{l}
Image Transfer \\
Cleaning Unit
\end{tabular} & & & R & & & \\
\hline \begin{tabular}{l}
Image Transfer \\
Belt Unit
\end{tabular} & & & R & & & \\
\hline Paper transfer roller unit & & & R & & & \\
\hline \multicolumn{7}{|l|}{Fusing} \\
\hline \begin{tabular}{l}
Heating Sleeve \\
Unit (Fusing \\
sleeve unit)
\end{tabular} & & & R & & & Upper limit counts to replace: 248K \\
\hline Fusing Entrance guide plate & & & & & C & Clean deposit toner \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|}
\hline Item & 60K & 120K & 240K & 300K & EM & Remarks \\
\hline Fusing Exit guide plate & & & & & C & Clean deposit toner \\
\hline Separation Plate & & & & & C & Clean deposit toner \\
\hline Pressure Roller & & & R & & & \\
\hline \begin{tabular}{l}
Bearing: Fusing \\
Roller
\end{tabular} & & & R & & & Lubricating grease \\
\hline Thermopile & & & & & C & Logging counts for cleaning, maintenance and lubrication:400K Dry cloth \\
\hline Gears & & & & & C & Replace when worn out \\
\hline idler gear & & & & & C & Replace when worn out \\
\hline \multicolumn{7}{|l|}{Miscellaneous} \\
\hline Dust-shield Filter (Dust Filter) & & & & R & & \\
\hline Dust Glass & & & & & C & Exposure glass cleaner \\
\hline TM/P sensor & & & & & C & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline Item & EM & Remarks \\
\hline \multicolumn{3}{|l|}{Paper Feed (Mainframe)} \\
\hline Registration Roller & C & Damp cloth \\
\hline Registration Sensor & C & Remove toner and paper dust, Dry cloth \\
\hline Paper powder removal container & C & Remove toner and paper dust \\
\hline Transport roller & C & Damp cloth \\
\hline Transfer Sensor & C & Remove toner and paper dust, Dry cloth \\
\hline Paper feed sensor & C & Remove toner and paper dust, Dry cloth \\
\hline Paper Feed roller & C & Remove toner and paper dust, Dry cloth \\
\hline Separation Roller & C & Remove toner and paper dust, Dry cloth \\
\hline Pick-up roller & C & Remove toner and paper dust, Dry cloth \\
\hline \multicolumn{3}{|l|}{Paper Feed (Paper Trays)} \\
\hline Transport roller & C & Damp cloth \\
\hline Transfer Sensor & C & Remove toner and paper dust, Dry cloth \\
\hline Paper feed sensor & C & Remove toner and paper dust, Dry cloth \\
\hline Paper Feed roller & C & Remove toner and paper dust, Dry cloth \\
\hline Separation Roller & C & Remove toner and paper dust, Dry cloth \\
\hline Pick-up roller & C & Remove toner and paper dust, Dry cloth \\
\hline \multicolumn{3}{|l|}{Duplex} \\
\hline Duplex transport roller & C & Damp cloth \\
\hline Duplex inlet sensor & C & Remove toner and paper dust, Dry cloth \\
\hline Duplex outlet sensor & C & Remove toner and paper dust, Dry cloth \\
\hline Duplex outlet roller & C & Damp cloth \\
\hline Duplex inlet roller & C & Damp cloth \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|}
\hline \multicolumn{1}{|c|}{ Item } & EM & \multicolumn{1}{|c|}{ Remarks } \\
\hline By-pass paper feed roller & C & Damp cloth \\
\hline By-pass Separation Roller & C & Damp cloth \\
\hline By-pass pick-up roller & C & Damp cloth \\
\hline By-pass transport roller & C & Damp cloth \\
\hline Paper Exit & C & Damp cloth \\
\hline Inversion Roller & C & Remove toner and paper dust, Damp cloth \\
\hline Inversion Sensor & C & Damp cloth \\
\hline Paper eject roller & C & Remove toner and paper dust, Dry cloth \\
\hline Paper eject sensor & \multicolumn{1}{|l|}{} \\
\hline
\end{tabular}

\section*{D163}

FAX OPTION TYPE M4/M3
\begin{tabular}{|l|l|l|}
\hline \multicolumn{3}{|c|}{ REVISION HISTORY } \\
\hline Page & Date & \multicolumn{1}{c|}{ Added/Updated/New } \\
\hline & & None \\
\hline
\end{tabular}

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\section*{READ THIS FIRST}

\section*{Important Safety Notices}

\section*{\(\triangle\) WARNING}
- Never install telephone wiring during a lightning storm.
- Never install telephone jacks in wet locations unless the jack is specifically designed for wet locations.
- Never touch uninsulated telephone wires or terminals unless the telephone line has been disconnected at the network interface.
- Use caution when installing or modifying telephone lines.
- Avoid using a telephone (other than a cordless type) during an electrical storm. There may be a remote risk of electric shock from lightning.
- Do not use a telephone or cellular phone to report a gas leak in the vicinity of the leak.

\section*{\(\triangle C A U T I O N\)}
- Before installing the fax unit, switch off the main switch, and disconnect the power cord.
- The fax unit contains a lithium battery. The danger of explosion exists if a battery of this type is incorrectly replaced. Replace only with the same or an equivalent type recommended by the manufacturer. Discard batteries in accordance with the manufacturer's instructions and local regulations.

\section*{Note}
- Note for Australia:
- Unit must be connected to Telecommunication Network through a line cord that meets the requirements of ACA Technical Standard TS008.

\section*{Symbols and Abbreviations}

\section*{Conventions Used in this Manual}

This manual uses several symbols.
\begin{tabular}{|c|l|}
\hline Symbol & What it means \\
\hline S & Screw \\
\hline ए) & Connector \\
\hline Clip ring \\
\hline SEF & Chort Edge Feed \\
\hline LEF & Long Edge Feed \\
\hline
\end{tabular}

[B]

[A] Short Edge Feed (SEF)
[B] Long Edge Feed (LEF)

\section*{Cautions, Notes, etc.}

The following headings provide special information:

\section*{\(\triangle\) WARNING}
- Failure to obey warning information could result in serious injury or death.

\section*{\(\triangle\) CAUTION}
- Obey these guidelines to ensure safe operation and prevent minor injuries.

\section*{Important}
- Obey these guidelines to avoid problems such as misfeeds, damage to originals, loss of valuable data and to prevent damage to the machine.
- Always obey these guidelines to avoid serious problems such as misfeeds, damage to originals, loss of valuable data and to prevent damage to the machine. bold is added for emphasis.
- This document provides tips and advice about how to best service the machine.

\section*{1. INSTALLATION}

\subsection*{1.1 FAX OPTION TYPE M4 (D167)}

This fax option is used only for D148/D149/D150 models.

\subsection*{1.1.1 COMPONENT CHECK}

Check the quantity and condition of the components against the following list.
\begin{tabular}{|c|l|c|}
\hline No. & \multicolumn{1}{|c|}{ Description } & Q'ty \\
\hline 1 & FCU & 1 \\
\hline 2 & Screw: M3x6 & 2 \\
\hline 3 & Fax Key top decal & 1 \\
\hline 4 & Serial number decal & 1 \\
\hline 5 & Telephone Cable (NA only) & 1 \\
\hline- & Clamp & 2 \\
\hline- & Ferrite Core & 1 \\
\hline- & FCC Decal (NA only) & 1 \\
\hline- & EMC Address Decal (EU only) & 1 \\
\hline
\end{tabular}


\subsection*{1.1.2 INSTALLATION PROCEDURE}

\section*{\(\triangle\) CAUTION}
- Before installing this fax unit:
- Print out all data in the printer buffer.
- Turn off the main power switch and disconnect the power cord and the network cable.
1. Remove the controller box cover \([A]\) ( \(\times 4\) ).

2. Remove the rear cover \([A]\left(\begin{array}{l}\text { 百 }\end{array} \times 4\right)\).

3. Remove the "TEL" [A] and "LINE1" [B] covers with a screw driver.

4. Install the FCU \([A]\) on the controller ( \(\mathrm{C} \times 2\) ).
- Insert the tab \([B]\) of the FCU bracket in the cutout on the left of the controller box.
- Make sure that both connectors [C] are connected.

5. Switch the battery jumper switch [A] to the "ON" position.

- If you don't switch the battery jumper switch position, SC820 will occur.
6. Reinstall the rear cover and controller box cover.
7. Attach the handset support bracket and handset bracket to the copier, and then connect the handset cord with the ferrite core to the "TEL" jack if you install the handset to the machine.
\(\square\)
Note
- For details, refer to "Handset Installation" in the Service Manual for the Fax Unit (D167).
8. Attach the ferrite core to the telephone cord.

9. Connect the telephone cord to the "LINE 1" jack.
10. Attach the fax key decal [A] to the third key top from bottom.

11. Attach the serial number decal under the copier serial number decal on the rear cover of the machine.
12. Attach the FCC decal on the rear cover of the machine (NA only).
13. Put the power plug into the outlet and turn on the main power of the machine.

- Make sure that the outlet is grounded.
- "SRAM formatted" shows on the operation panel after you have turned the main switch on. Turn the main switch off and on again for normal use.
14. Make sure that the date and time are correctly set.

\subsection*{1.1.3 FAX ICON ADDITION}

This procedure allows the fax icon to appear on the home screen of the operation panel.
1. Press [User Tools].
2. Press [Edit Home].

3. Press [Add Icon].

4. Press [Fax].

5. Press a [Blank] to set a location for the fax icon.

6. Press [Exit] to end the fax icon addition.

\subsection*{1.2 FAX OPTION TYPE M3 (D163)}

This fax option is used only for D146/D147 models.

\subsection*{1.2.1 COMPONENT CHECK}

Check the quantity and condition of the components against the following list.
\begin{tabular}{|c|l|c|}
\hline No. & \multicolumn{1}{|c|}{ Description } & Q'ty \\
\hline 1 & FCU & 1 \\
\hline 2 & Screw: M3x6 & 1 \\
\hline 3 & Serial Number Decal & 1 \\
\hline 4 & Fax Key top decal & 1 \\
\hline 5 & Telephone Cable (NA only) & 1 \\
\hline- & Clamp & 2 \\
\hline- & Ferrite Core & 1 \\
\hline- & FCC Decal (NA only) & 1 \\
\hline- & EMC Address Decal (EU Only) & 1 \\
\hline
\end{tabular}


\subsection*{1.2.2 INSTALLATION PROCEDURE}

\section*{\(\triangle\) CAUTION}
- Before installing this fax unit:
- Print out all data in the printer buffer.
- Turn off the main power switch and disconnect the power cord and the network cable.
1. Remove the controller box cover \([A](x 4)\).

2. Remove the interface slot cover \([A]\left(\begin{array}{l}(1)\end{array}\right)\).

3. Remove the "TEL" [A] and "LINE1" [B] covers on the interface slot cover with a screw driver.

4. Switch the battery jumper switch to the "ON" position.

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5. Install the FCU [A] fully into the interface slot.

6. Reattach the interface slot cover \([A]\left(\begin{array}{l}(1)\end{array}\right)\).

7. Reinstall the controller box cover ( \(\times 4\) ).
8. Attach the handset support bracket and handset bracket to the copier, and then connect the handset cord with the ferrite core to the "TEL" jack if you install the handset to the machine.
\(\downarrow\) Note
- For details, refer to "Handset Installation" in the Service Manual for the Fax Unit (D163).
9. Attach the ferrite core to the telephone cord.

10. Connect the telephone cord to the "LINE 1" jack.
11. Attach the fax key decal [A] to the third key top from bottom.

12. Attach the serial number decal under the copier serial number decal on the rear cover of the machine.
13. Attach the FCC decal on the rear cover of the machine (NA only).
14. Put the power plug into the outlet and turn on the main power of the machine.
\(\downarrow\) Note
- Make sure that the outlet is grounded.
- "SRAM formatted" shows on the operation panel after you have turned the main switch on. Turn the main switch off and on again for normal use.
15. Make sure that the date and time are correctly set.

\subsection*{1.2.3 FAX ICON ADDITION}

This procedure allows the fax icon to appear on the home screen of the operation panel.
1. Press [User Tools].
2. Press [Edit Home].

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3. Press [Add Icon].

d1440145
4. Press [Fax].

5. Press a [Blank] to set a location for the fax icon.

6. Press [Exit] to end the fax icon addition.

\subsection*{1.3 G3 INTERFACE UNIT TYPE M4 (D167)}

This G3 interface unit option is used only for Fax Option Type M4 (D167).

\subsection*{1.3.1 COMPONENT CHECK}

Check the quantity and condition of the components against the following list.
\begin{tabular}{|c|l|c|}
\hline No. & \multicolumn{1}{|c|}{ Description } & Q'ty \\
\hline 1 & SG3 Interface Unit & 1 \\
\hline 2 & Screw: M3x6 & 3 \\
\hline 3 & Flat Cable & 1 \\
\hline 4 & Telephone Cable (NA only) & 1 \\
\hline- & Harness Clamp & 2 \\
\hline- & Ferrite Core & 1 \\
\hline- & FCC Decal (NA only) & 1 \\
\hline- & 1 \\
\hline
\end{tabular}


\subsection*{1.3.2 INSTALLATION PROCEDURE}

\section*{\(\triangle\) CAUTION}
- Before installing this optional unit:
- Print out all data in the printer buffer.
- Turn off the main switch and disconnect the power cord and the network cable.

You can add two more SG3 boards to this model. Follow the procedures for adding the single SG3 board installation or double SG3 board installation as the customer needs.

\section*{For Installing the single G3 Board}
1. If the FCU is not installed in the machine, install the FCU (D167) in the machine first (page 1 "Fax Option Type M4 (D167)").
2. Remove the controller box cover \([A]\binom{(1)}{x}\).

3. Remove the rear cover \([A]\left(\begin{array}{l}()\end{array}\right)\).

4. Remove the "TEL2" \([A]\) cover with a screw driver.

5. Install the \(\mathbf{S G} 3\) interface unit \([A]\left(\begin{array}{ll}(1)\end{array}\right)\).
- Insert the tab [B] of the SG3 interface unit bracket in the cutout [C] on the top of the controller box and the tab [D] of the controller box in the cutout \([\mathrm{E}]\) of the SG3 interface unit.

6. Attach one end of the flat cable [A] to CN603 on the FCU board and the other end of the flat cable [A] to CN660 on the CCU I/F board of the SG3 interface unit.
- Make sure that the blue tapes of the flat cable face outward.

7. Reinstall the rear cover and controller box cover.
8. Attach the ferrite core to the telephone cord for single SG3 board installation.
9. Connect the telephone cord to the "LINE 2" jack for single SG3 board installation.
10. Connect the power plug to a power outlet and turn on the main power switch.
11. Enter the service mode. Set bit 1 of communication switch 16 to "1" (SP1-104-023).
12. Exit the service mode.
13. Turn the main power switch off and on.
14. Print out the system parameter list. Then check that "G3" shows as an option.
15. Set up and program the items required for PSTN-2 communications.

\section*{For Installing the Double G3 Boards}
1. If the FCU is not installed in the machine, install the FCU (D167) in the machine first (page 1 "Fax Option Type M4 (D167)").
2. Remove the controller box cover \([A]\left(\begin{array}{ll}(1)\end{array}\right)\).

3. Remove the rear cover \([A]\left(\begin{array}{l}\text { ( }\end{array}\right)\).

4. Remove the "LINE2" \([A]\) and "LINE3" \([B]\) covers with a screw driver.

5. Remove the CCU I/F board and SG3 board [A] from the SG3 interface unit (
- Do the same procedure as shown above for the second SG3 interface unit.

6. Remove the SG3 board [A] from one of the CCU IIF and SG3 board assemblies that you removed in step 5.
7. Attach the SG3 board removed in step 6 to the other CCU I/F and SG3 board assembly [B].

8. Attach the boards (CCU I/F board and two SG3 boards) to the SG3 interface unit bracket ( \({ }^{(1)} \times 6\) ).
- Use two screws from the six screws that were removed in step 5

9. Install the SG3 interface unit [A] ( G ) .
- Insert the tab [B] of the SG3 interface unit bracket in the cutout [C] on the top of the controller box and the tab [D] of the controller box in the cutout [E] of the SG3 interface unit.

10. Attach one end of the flat cable [A] to CN603 on the FCU board and the other end of the flat cable [A] to CN660 on the CCU I/F board of the SG3 interface unit.
- Make sure that the blue tapes of the flat cable face outward.

11. Reinstall the rear cover and controller box cover.
12. Attach the two ferrite cores to the telephone cords for double-SG3 board installation.
13. Connect the telephone cords to the "LINE2" and "LINE3" jacks.
14. Connect the power plug to a power outlet and turn on the main power switch.
15. Enter the service mode. Set bit 1 of communication switch 16 to "1" (SP1-104-023).
16. Set bit 3 of communication switch 16 to "1" (SP1-104-023).
17. Exit the service mode.
18. Turn the main power switch off and on.
19. Print out the system parameter list. Then check that "G3" shows as an option.
20. Set up and program the items required for PSTN-2 communications.

\subsection*{1.4 G3 INTERFACE UNIT TYPE M3 (D163)}

This G3 interface unit option is used only for Fax Option Type M3 (D163) models.

\subsection*{1.4.1 COMPONENT CHECK}

Check the quantity and condition of the components against the following list.
\begin{tabular}{|c|l|c|}
\hline No. & \multicolumn{1}{|c|}{ Description } & Q'ty \\
\hline 1 & SG3 Interface Unit & 1 \\
\hline 2 & Screw: M3x6 & 3 \\
\hline 3 & Harness Clamp & 2 \\
\hline 4 & Flat Cable & 1 \\
\hline 5 & Telephone Cable (NA only) & 1 \\
\hline- & Ferrite Core & 1 \\
\hline- & FMC Address Decal (EU only) & 1 \\
\hline- & 1 \\
\hline
\end{tabular}


\subsection*{1.4.2 INSTALLATION PROCEDURE}

\section*{\(\triangle\) CAUTION}
- Before installing this optional unit:
- Print out all data in the printer buffer.
- Turn off the main switch and disconnect the power cord and the network cable.

You can add two more SG3 boards to this model. Follow the procedures for adding the single SG3 board installation or double SG3 board installation as the customer needs.

\section*{For Installing the single G3 Board}
1. If the FCU is not installed in the machine, install the FCU (D163) in the machine first (page 7 "Fax Option Type M3 (D163)").
2. Remove the controller box cover \([A]\) ( \(x 4\) ).

3. Remove the rear cover \([A]\) ( \(\times 4\) ).

4. Remove the "TEL2" \([A]\) cover with a screw driver.

5. Attach one end [A] of the flat cable to CN660 on the CCU I/F board of the SG3 interface unit.
- Make sure that the blue tape of the flat cable faces outward.

6. Attach the flat cable [A] to the bracket of the SG3 interface unit with the clamp [B].

7. Install the SG3 interface unit [A] ( \(\boldsymbol{\theta}^{(1)}\) ).
- Insert the tab [B] of the controller box in the cutout [C] of the SG3 interface unit.

8. Connect the other end \([A]\) of the flat cable to CN603 on the FCU board.

9. Reinstall the rear cover and controller box cover.
10. Attach the ferrite core to the telephone cord for single SG3 board installation.
11. Connect the telephone cord to the "LINE 2" jack for single SG3 board installation.
12. Connect the power plug to a power outlet and turn on the main power switch.
13. Enter the service mode. Set bit 1 of communication switch 16 to "1" (SP1-104-023).
14. Exit the service mode.
15. Turn the main power switch off and on.
16. Print out the system parameter list. Then check that "G3" shows as an option.
17. Set up and program the items required for PSTN-2 communications.

\section*{For Installing the Double G3 Boards}
1. If the FCU is not installed in the machine, install the FCU (D163) in the machine first (page 7 "Fax Option Type M3 (D163)").
2. Remove the controller box cover [A] ( A 4 ).

3. Remove the rear cover \([A]\left(\begin{array}{l}(1)\end{array}\right)\).

4. Remove the "LINE2" \([A]\) and "LINE3" \([B]\) covers with a screw driver.

5. Remove the CCU IIF board and SG3 board [A] from the SG3 interface unit ( \(\times 6\) ).
- Do the same procedure as shown above for the second SG3 interface unit.

6. Remove the SG3 board [A] from one of the CCU I/F and SG3 board assemblies that you removed in step 5.
7. Attach the SG3 board removed in step 6 to the other CCU I/F and SG3 board assembly [B].

8. Attach the boards (CCU I/F board and two SG3 boards) to the SG3 interface unit bracket ( \({ }^{(188)}\) ).
- Use two screws from the six screws that were removed in step 5.

9. Attach one end [A] of the flat cable to CN660 [B] on the CCU I/F board of the SG3 interface unit.
- Make sure that the blue tape of the flat cable faces outward.

10. Attach the flat cable [A] to the bracket of the SG3 interface unit with the clamp [B].
- Make sure that the blue tape of the flat cable faces outward.

11. Install the SG3 interface unit \([A]\) ( \(\times 3\) ).
- Insert the tab [B] of the controller box in the cutout [C] of the SG3 interface unit.

12. Connect the other end [A] of the flat cable to CN603 on the FCU board.

13. Reinstall the rear cover and controller box cover.
14. Attach the two ferrite cores to the telephone cords for double-SG3 board installation.
15. Connect the telephone cords to the "LINE2" and "LINE3" jacks.
16. Connect the power plug to a power outlet and turn on the main power switch.
17. Enter the service mode. Set bit 1 of communication switch 16 to "1" (SP1-104-023).
18. Set bit 3 of communication switch 16 to "1" (SP1-104-023).
19. Exit the service mode.
20. Turn the main power switch off and on.
21. Print out the system parameter list. Then check that "G3" shows as an option.
22. Set up and program the items required for PSTN-2 communications.

\subsection*{1.5 FAX UNIT OPTIONS}

\subsection*{1.5.1 MEMORY UNIT (G578)}

\section*{For D148/D149/D150 models}
1. Remove the controller box cover \([A]\left(\begin{array}{l}\text { ( }\end{array}\right)\).

2. Remove the rear cover \([A]\left(\begin{array}{l}\text { 为 } \times 4)\end{array}\right.\)

3. Install the memory option [A] on the FCU.

4. Re-aasemble the machine.

\section*{For D146/D147 models}
1. Remove the controller box cover ( G ).

2. Remove the slot cover \([A]\left(\begin{array}{l}(1)\end{array}\right)\).

3. Pull out the FCU [A].

d1463215
4. Install the memory option [A] on the FCU.

5. Reinstall the FCU in the interface slot.
6. Re-aasemble the machine.

\subsection*{1.5.2 HANDSET (D645)}

\section*{Note}
- The optional handset is available for the U.S. version only.
1. Open the front cover.

2. Remove the paper exit tray [A].

3. Rmove the upper left cover \([A]\left(\theta^{-} \times 1\right)\).
- Slide the cover in the direction of the blue arrow.

4. Remove the left rear cover \([A]\left(\theta^{2} \times 2\right)\).

5. Remove the scanner front cover \([A](\mathbb{E} \times 2)\).

6. Remove the scanner left cover \([A](\mathbb{B} \times 3)\).

7. Make two holes in the scanner left cover.

8. Reattach the scanner left cover ( \(\times 3\) ).
9. Re-assemble the machine.
10. Attach the bracket \([A]\) enclosed with the fax unit (
- Only for the machine with the single pass ADF, use the hole [B] to tilt the bracket.

11. Attach the cradle \([A]\) to the handset bracket ( \(\mathrm{B}^{(1)} \times 2\) ).

d1463052
12. Attach the ferrite core \([A]\) to the cable.

13. Connect the cable to the "TEL" jack on the left side of the controller box.

\subsection*{1.6 REMOTE FAX INSTALLATION}

\subsection*{1.6.1 INSTALLATION PROCEDURE}

This unit allows a machine without the FAX unit installed ("Client-side Machine") to send and receive faxes via a machine with the FAX unit installed ("Remote Machine").

\section*{Requirements:}
- Up to six machines can be registered as the Client-side Machines.
- Machines that have the FAX unit installed cannot be used as the Client-side Machine.
- Only one machine can be registered as the Remote Machine.
- Firmware for this unit: "aics" (software number: D1655759 forType M3/ D1665759 for Type M4)
- Remote Fax transmissions are possible on a G3 line.
- The remote fax function does not support User Code Authentication. Disable the User Code Authentication on the Remote machine.
- Use this function to check the contents of a file that is stored in memory and not yet sent. Also, use this function to cancel a transmission from the Client-side Machine.

\section*{Installing the application}
1. Only for D148/D149/D150, remove the slot cover.
2. Remove the SD card slot cover from the SD card slots \([A]\left(\begin{array}{l}(\hat{G} \times 1)\end{array}\right.\). D148/D149/D150:


\section*{D146/D147:}

3. Insert the SD card (Fax Connection Unit Type M3 for D146/D147 or M4 for D148/D149/D150) in SD slot 2 (lower) with its label face [B] towards the front of the machine. Then push it slowly into SD slot 2 (lower) until you hear a click.
4. Plug in, and then turn on the machine.
5. Move the Fax Connection Unit Type M3 (for D146/D147) or (M4 for D148/D149/D150) application from the SD card in SD slot 2 (lower) to the SD card in SD slot 1 (upper) with SP5-873-001.
6. Turn off the machine.
7. Remove the SD card from SD slot 2 (lower), and then keep it in a safe place (see "SD Card Appli Move" in the manual for the main frame).
8. Attach the SD-card slot cover, and then turn on the machine ( \(\times 1\) )
9. Make sure that the machine can recognize the option (See 'Self-Diagnosis Report' and check whether the aics (D1655759 for Type M3/ D1665759 for Type M4) is listed in [Loading Program].)

\section*{Registering the Remote Machine}

\section*{\(\downarrow\) Note}
- Only one machine can be registered as the Remote Machine.

On the Client-side Machine(s):
1. Press the [User Tools/Counter] key on the operation panel
2. Press [System Settings] to select.
3. Press [Administrator Tools] to select.
4. Press [Program/Change/Delete Remote Machine] to select.
5. Enter the IP address or host name of the Remote Machine.
6. Press [Set] to set after "connection test".
7. Press [Exit] to exit from the set-up procedure.

\section*{Registering the Client-side Machine(s)}
- Up to six machines can be registered as the Client-side Machines.

On the Remote Machine:
1. Press the [User Tools/Counter] key on the operation panel
2. Press [System Settings] to select.
3. Press [Administrator Tools] to select.
4. Press [Program//Change/Delete Remote Machine] to select.
5. Enter the IP address or host name of the Client-side Machines.
6. Press [Set] to set after "connection test".

\section*{Configuring the Remote Reception Settings}

Do the following procedure to enable the Client-side Machine(s) to receive faxes via the Remote Machine. You can forward or route received documents per line or special sender.
```

Note

```
- By performing procedures \#1-3 above, the Client-side Machines can send faxes via the Remote Machine. The procedures shown below are necessary to enable the Client-side Machines to receive faxes.

On the Remote Machine:
1) If you use "Remote Reception Setting per Line"
1. Press [Facsimile Features] to select.
2. Press [Remote Reception Setting per Line] in [Reception Settings] to select.
3. Enter an IP address or a host name of the client-side machine to connect.
4. Press [Set], and [Exit] to exit from the setting.
2) If you use "Remote Reception per Sender"
1. Press [Facsimile Features] to select.
2. Press [Program Special Sender] in [Reception Settings] to select.
3. Select the Special Sender.

4. Press [Remote Reception Setting per Sender] to select.

d1661002
5. Press [On] and [Remote Machine] to select.

6. Enter an IP address or a host name of the client-side machine to connect.
7. Press [OK] to exit from the setting.

\section*{Remote Fax Icon Addition for Remote Machine}

This procedure allows the remote fax icon to appear on the home screen of the operation panel. On both the Remote Machine and the Client-side Machines:
1. Press [User Tools].
2. Press [Edit Home].

d1440144
3. Press [Add Icon].

4. Press [Remote Fax].

5. Press a [Blank] to set a location for the remote fax icon.

6. Press [Exit] to exit from the set-up procedure.

\section*{2. REPLACEMENT AND ADJUSTMENT}

\subsection*{2.1 FCU}

\subsection*{2.1.1 SRAM DATA TRANSFER PROCEDURE}

When you replace the FCU board, transfer the SRAM data from the old FCU board to the new FCU board. Do the following procedure to back up the SRAM data.

\section*{Note}
- The following data can be transfered: TTI, RTI, CSI, Fax bit switch settings, RAM address settings, NCU parameter settings

\section*{For D148/D149/D150 models}
1. Remove the controller box cover \([A](x 4)\).

2. Remove the rear cover \([A]\left(\begin{array}{ll}(1)\end{array}\right)\).

3. Remove the fax unit \([A]\left(\begin{array}{l}(2)\end{array}\right.\)



d1673002
5. Reinstall the new fax unit ( \(\hat{\theta}^{(1)} 2\) ).
6. Attach the bracket \([A]\) provided with the new fax unit to the center frame of the controller box ( G 1) .

7. Attach the flat cable [A] to CN603 of the new fax unit.
- Make sure that the blue tape of the flat cable faces outward.

8. Attach the FCU board removed in step 4 to the bracket. Then attach the flat cable to CN603 of the removed FCU board ( \(\times 1\) ).
- Make sure that the blue tape of the flat cable faces outward.


\section*{\(\triangle\) CAUTION}
- The removed FCU board must be away from the metal frames. Otherwise, the removed FCU board may get a short circuit.
9. Turn on the main power switch.
10. SRAM data transmission starts. When the transmission is completed, you will hear a beeper sound.
\(\square\)
- The beeper sound is the same volume as the speaker sound.
- The beeper sounds even if the sperker sound is turned off.
- If the beeper does not sound, turn the main power switch on and off repeatedly and do the transmission procedure 2 or 3 times.
- If the beeper does not sound after turning the main switch on and off 3 times, you need to input the settings stored in SRAM memory manually.
11. When "Ready" appears on the copy display, turn off the main power switch, and then disconnect the flat cable from the removed FCU board.
12. Remove the removed FCU board (
13. Remove the bracket from the center frame of the controller box ( \(\quad\) (1).
14. Disconnect the flat cable from the new FCU board.
15. Re-assemble the machine.
16. Turn on the main power switch, then do SP6-101 to print the system parameter list.
17. Check the system parameter list to make sure that the data is transferred correctly.
18. Set the correct date and time with the User Tools: User Tools > System Settings > Timer Setting > Set Date/Time.

Note
- If any of the SRAM data was not transferred, input those settings manually.

\section*{For D146/D147 models}
1. Remove the controller box cover \([A](x 4)\).

2. Remove the interface slot cover \([A]\left(\begin{array}{l}(1)\end{array}\right)\).

3. Pull out the FCU [A] from the interface slot.

d1463215
4. Replace the installed FCU board [A] with a new FCU board ( \(\mathrm{B}^{(1)}\), stepped screw \(\times 2\), \(\mathrm{C}^{\mathrm{J}} \times 1\) )

5. Reinstall the new fax unit, and then the slot cover ( \(\quad\) 2) .
6. Remove the rear cover \([A](x 4)\).

7. Attach the flat cable [A] to CN603 of the new fax unit.
- Make sure that the blue tapes of the flat cable face outward.

8. Attach the bracket [A] provided with the new fax unit to the center frame of the controller box ( G ).

9. Attach the FCU board removed in step 4 to the bracket. Then attach the flat cable to CN603 of the removed FCU board ( \(\times 1\) ).
- Make sure that the blue tape of the flat cable faces outward.


\section*{\(\triangle C A U T I O N\)}
- The removed FCU board must be away from the metal frames. Otherwise, the removed FCU board may get a short circuit.
10. Turn on the main power switch.
11. SRAM data transmission starts. When the transmission is completed, you will hear a beeper sound.

\section*{Note}
- The beeper sound is the same volume as the speaker sound.
- The beeper sounds even if the sperker sound is turned off.
- If the beeper does not sound, turn the main power switch on and off repeatedly and do the transmission procedure 2 or 3 times.
- If the beeper does not sound after turning the main switch on and off 3 times, you need to input the settings stored in SRAM memory manually.
12. When "Ready" appears on the copy display, turn off the main power switch, and then disconnect the flat cable from the removed FCU board.
13. Remove the removed FCU board ( ( \(^{(1)}\) ).
14. Remove the bracket from the center frame of the controller box ( \(\quad\) 1).
15. Disconnect the flat cable from the new FCU board.
16. Re-assemble the machine.
17. Turn on the main power switch, then do SP6-101 to print the system parameter list.
18. Check the system parameter list to make sure that the data is transferred correctly.
19. Set the correct date and time with the User Tools: User Tools > System Settings > Timer Setting > Set Date/Time.

\section*{3. TROUBLESHOOTING}

\subsection*{3.1 ERROR CODES}

If an error code occurs, retry the communication. If the same problem occurs, try to fix the problem as suggested below. Note that some error codes appear only in the error code display and on the service report.
\begin{tabular}{|c|c|c|}
\hline Code & Meaning & Suggested Cause/Action \\
\hline 0-00 & \begin{tabular}{l}
DIS/NSF not detected within \\
40 s of Start being pressed
\end{tabular} & \begin{tabular}{l}
- Check the line connection. \\
- The machine at the other end may be incompatible. \\
- Replace the FCU. \\
- Check for DIS/NSF with an oscilloscope. \\
- If the rx signal is weak, there may be a bad line.
\end{tabular} \\
\hline 0-01 & DCN received unexpectedly & \begin{tabular}{l}
- The other party is out of paper or has a jammed printer. \\
- The other party pressed Stop during communication.
\end{tabular} \\
\hline 0-03 & Incompatible modem at the other end & The other terminal is incompatible. \\
\hline 0-04 & CFR or FTT not received after modem training & \begin{tabular}{l}
- Check the line connection. \\
- Try changing the tx level and/or cable equalizer settings. \\
- Replace the FCU. \\
- The other terminal may be faulty; try sending to another machine. \\
- If the rx signal is weak or defective, there may be a bad line. \\
Cross reference \\
Tx level - NCU Parameter 01 (PSTN) \\
Cable equalizer - G3 Switch 07 (PSTN) \\
Dedicated Tx parameters in Service Program \\
Mode
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline Code & Meaning & Suggested Cause/Action \\
\hline 0-05 & Modem training fails even G3 shifts down to 2400 bps. & \begin{tabular}{l}
- Check the line connection. \\
- Try adjusting the tx level and/or cable equalizer. \\
- Replace the FCU. \\
- Check for line problems. \\
Cross reference \\
See error code 0-04.
\end{tabular} \\
\hline 0-06 & The other terminal did not reply to DCS & \begin{tabular}{l}
- Check the line connection. \\
- Try adjusting the tx level and/or cable equalizer settings. \\
- Replace the FCU. \\
- The other end may be defective or incompatible; try sending to another machine. \\
- Check for line problems. \\
Cross reference \\
See error code 0-04.
\end{tabular} \\
\hline 0-07 & No post-message response from the other end after a page was sent & \begin{tabular}{l}
- Check the line connection. \\
- Replace the FCU. \\
- The other end may have jammed or run out of paper. \\
- The other end user may have disconnected the call. \\
- Check for a bad line. \\
- The other end may be defective; try sending to another machine.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline Code & Meaning & Suggested Cause/Action \\
\hline 0-08 & The other end sent RTN or PIN after receiving a page, because there were too many errors & \begin{tabular}{l}
- Check the line connection. \\
- Replace the FCU. \\
- The other end may have jammed, or run out of paper or memory space. \\
- Try adjusting the tx level and/or cable equalizer settings. \\
- The other end may have a defective modem/FCU; try sending to another machine. \\
- Check for line problems and noise. \\
Cross reference \\
- Tx level - NCU Parameter 01 (PSTN) \\
- Cable equalizer - G3 Switch 07 (PSTN) \\
- Dedicated Tx parameters in Service Program Mode
\end{tabular} \\
\hline 0-14 & Non-standard post message response code received & \begin{tabular}{l}
- Incompatible or defective remote terminal; try sending to another machine. \\
- Noisy line: resend. \\
- Try adjusting the tx level and/or cable equalizer settings. \\
- Replace the FCU. \\
Cross reference \\
See error code 0-08.
\end{tabular} \\
\hline 0-15 & The other terminal is not capable of specific functions. & \begin{tabular}{l}
The other terminal is not capable of accepting the following functions, or the other terminal's memory is full. \\
- Confidential rx \\
- Transfer function \\
- SEP/SUB/PWD/SID
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline Code & Meaning & Suggested Cause/Action \\
\hline 0-16 & CFR or FTT not detected after modem training in confidential or transfer mode & \begin{tabular}{l}
- Check the line connection. \\
- Replace the FCU. \\
- Try adjusting the tx level and/or cable equalizer settings. \\
- The other end may have disconnected, or it may be defective; try calling another machine. \\
- If the rx signal level is too low, there may be a line problem. \\
Cross reference \\
See error code 0-08.
\end{tabular} \\
\hline 0-17 & Communication was interrupted by pressing the Stop key & If the Stop key was not pressed and this error keeps occurring, replace the operation panel or the operation panel drive board. \\
\hline 0-20 & Facsimile data not received within \(6 s\) of retraining & \begin{tabular}{l}
- Check the line connection. \\
- Replace the FCU. \\
- Check for line problems. \\
- Try calling another fax machine. \\
- Try adjusting the reconstruction time for the first line and/or rx cable equalizer setting. \\
Cross reference \\
Reconstruction time - G3 Switch 0A, bit 6 \\
Rx cable equalizer - G3 Switch 07 (PSTN)
\end{tabular} \\
\hline 0-21 & EOL signal (end-of-line) from the other end not received within 5 s of the previous EOL signal & \begin{tabular}{l}
- Check the connections between the FCU and line. \\
- Check for line noise or other line problems. \\
- Replace the FCU. \\
- The remote machine may be defective or may have disconnected. \\
Cross reference \\
Maximum interval between EOLs and between ECM frames - G3 Bit Switch OA, bit 4
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline Code & Meaning & Suggested Cause/Action \\
\hline 0-22 & The signal from the other end was interrupted for more than the acceptable modem carrier drop time (default: 200 ms ) & \begin{tabular}{l}
- Check the line connection. \\
- Replace the FCU. \\
- Defective remote terminal. \\
- Check for line noise or other line problems. \\
- Try adjusting the acceptable modem carrier drop time. \\
Cross reference \\
Acceptable modem carrier drop time - G3 \\
Switch OA, bits 0 and 1
\end{tabular} \\
\hline 0-23 & Too many errors during reception & \begin{tabular}{l}
- Check the line connection. \\
- Replace the FCU. \\
- Defective remote terminal \\
- Check for line noise or other line problems. \\
- Try asking the other end to adjust their \(t x\) level. \\
- Try adjusting the rx cable equalizer setting and/or rx error criteria. \\
Cross reference \\
Rx cable equalizer - G3 Switch 07 (PSTN) \\
Rx error criteria - Communication Switch 02, bits 0 and 1
\end{tabular} \\
\hline 0-29 & Data block format failure in ECM reception & \begin{tabular}{l}
- Check for line noise or other line problems. \\
- Check the FCU - NCU connectors. \\
- Replace the NCU or FCU.
\end{tabular} \\
\hline 0-30 & The other terminal did not reply to NSS(A) in Al short protocol mode & \begin{tabular}{l}
- Check the line connection. \\
- Try adjusting the tx level and/or cable equalizer settings. \\
- The other terminal may not be compatible. \\
Cross reference \\
Dedicated tx parameters - Section 4
\end{tabular} \\
\hline 0-32 & The other terminal sent a DCS, which contained functions that the receiving machine cannot handle. & \begin{tabular}{l}
- Check the protocol dump list. \\
- Ask the other party to contact the manufacturer.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|l|ll|}
\hline Code & \multicolumn{1}{|c|}{ Meaning } & \multicolumn{1}{c|}{ Suggested Cause/Action } \\
\hline \(0-33\) & \begin{tabular}{l} 
The data reception (not ECM) \\
is not completed within 10 \\
minutes.
\end{tabular} & \begin{tabular}{l} 
-
\end{tabular} & \begin{tabular}{l} 
Check the line connection. \\
The other terminal may have a defective \\
modem/FCU.
\end{tabular} \\
\hline \(0-52\) & \begin{tabular}{l} 
Polarity changed during \\
communication
\end{tabular} & - & \begin{tabular}{l} 
Check the line connection. \\
Retry communication.
\end{tabular} \\
\hline \(0-55\) & FCU does not detect the SG3. & - & \begin{tabular}{l} 
FCU firmware or board defective. \\
SG3 firmware or board defective.
\end{tabular} \\
\hline \(0-56\) & \begin{tabular}{l} 
The stored message data \\
exceeds the capacity of the \\
mailbox in the SG3.
\end{tabular} & SG3 firmware or board defective.
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline Code & Meaning & Suggested Cause/Action \\
\hline 0-77 & \begin{tabular}{l}
The called terminal fell back to T. 30 mode, because it could not detect a CJ in response to JM \\
(JM timeout).
\end{tabular} & \begin{tabular}{l}
- The calling terminal could not detect a JM due to noise, etc. \\
- A network that has narrow bandwidth cannot pass JM to the other end. \\
- Check the line connection and condition. \\
- Try receiving a call from another V.8/V. 34 fax.
\end{tabular} \\
\hline 0-79 & The called terminal detected Cl while waiting for a V .21 signal. & \begin{tabular}{l}
- Check for line noise or other line problems. \\
- If this error occurs, the called terminal falls back to T. 30 mode.
\end{tabular} \\
\hline 0-80 & The line was disconnected due to a timeout in V. 34 phase 2 - line probing. & - The guard timer expired while starting these phases. Serious noise, narrow bandwidth, or low signal level can cause \\
\hline 0-81 & The line was disconnected due to a timeout in V. 34 phase 3 - equalizer training. & \begin{tabular}{l}
If these errors happen at the transmitting terminal: \\
- Try making a call at a later time.
\end{tabular} \\
\hline 0-82 & The line was disconnected due to a timeout in the V. 34 phase 4 - control channel start-up. & \begin{tabular}{l}
- Try using V. 17 or a slower modem using dedicated tx parameters. \\
- Try increasing the tx level. \\
- Try adjusting the tx cable equalizer setting.
\end{tabular} \\
\hline 0-83 & The line was disconnected due to a timeout in the V. 34 control channel restart sequence. & \begin{tabular}{l}
- Try adjusting the rx cable equalizer setting. \\
- Try increasing the tx level. \\
- Try using V. 17 or a slower modem if the same error is frequent when receiving from multiple senders.
\end{tabular} \\
\hline 0-84 & The line was disconnected due to abnormal signaling in V. 34 phase 4 - control channel start-up. & \begin{tabular}{l}
- The signal did not stop within 10 s. \\
- Turn off the main power switch, then turn it back on. \\
- If the same error is frequent, replace the FCU.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline Code & Meaning & Suggested Cause/Action \\
\hline 0-85 & The line was disconnected due to abnormal signaling in V. 34 control channel restart. & \begin{tabular}{l}
- The signal did not stop within 10 s . \\
- Turn off the main power switch, then turn it back on. \\
- If the same error is frequent, replace the FCU.
\end{tabular} \\
\hline 0-86 & The line was disconnected because the other terminal requested a data rate using MPh that was not available in the currently selected symbol rate. & \begin{tabular}{l}
- The other terminal was incompatible. \\
- Ask the other party to contact the manufacturer.
\end{tabular} \\
\hline 0-87 & The control channel started after an unsuccessful primary channel. & \begin{tabular}{l}
- The receiving terminal restarted the control channel because data reception in the primary channel was not successful. \\
- This does not result in an error communication.
\end{tabular} \\
\hline 0-88 & The line was disconnected because PPR was transmitted/received 9 (default) times within the same ECM frame. & \begin{tabular}{l}
- Try using a lower data rate at the start. \\
- Try adjusting the cable equalizer setting.
\end{tabular} \\
\hline 2-11 & Only one V. 21 connection flag was received & - Replace the FCU. \\
\hline 2-12 & Modem clock irregularity & - Replace the FCU. \\
\hline 2-13 & Modem initialization error & \begin{tabular}{l}
- Turn off the machine, then turn it back on. \\
- Update the modem ROM. \\
- Replace the FCU.
\end{tabular} \\
\hline 2-22 & Counter overflow error of JBIG chip & If error occurs frequently, change the settings for resolution, paper size, compression type. \\
\hline 2-23 & JBIG compression or reconstruction error & Turn off the machine, then turn it back on. \\
\hline 2-24 & JBIG ASIC error & - Turn off the machine, then turn it back on. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline Code & Meaning & Suggested Cause/Action \\
\hline 2-25 & JBIG data reconstruction error (BIH error) & \multirow[t]{4}{*}{\begin{tabular}{l}
- JBIG data error \\
- Check the sender's JBIG function. \\
- Update the FCU ROM.
\end{tabular}} \\
\hline 2-26 & \begin{tabular}{l}
JBIG data reconstruction error \\
(Float marker error)
\end{tabular} & \\
\hline 2-27 & JBIG data reconstruction error (End marker error) & \\
\hline 2-28 & JBIG data reconstruction error (Timeout) & \\
\hline 2-29 & JBIG trailing edge maker error & \begin{tabular}{l}
- FCU defective \\
- Check the destination device.
\end{tabular} \\
\hline 2-50 & The machine resets itself for a fatal FCU system error & - If this is frequent, update the ROM, or replace the FCU. \\
\hline 2-51 & The machine resets itself because of a fatal communication error & - If this is frequent, update the ROM, or replace the FCU. \\
\hline 2-53 & Snd \(\operatorname{msg}()\) in the manual task is an error because the mailbox for the operation task is full. & - The user did the same operation many times, and this gave too much load to the machine. \\
\hline 4-01 & Line current was cut & \begin{tabular}{l}
- Check the line connector. \\
- Check for line problems. \\
- Replace the FCU.
\end{tabular} \\
\hline 4-10 & Communication failed because of an ID Code mismatch (Closed Network) or Tel. No./CSI mismatch (Protection against Wrong Connections) & \begin{tabular}{l}
- Get the ID Codes the same and/or the CSIs programmed correctly, then resend. \\
- The machine at the other end may be defective.
\end{tabular} \\
\hline 5-00 & Data reconstruction not possible & Replace the FCU. \\
\hline 5-10 & DCR timer expired & - Replace the FCU. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline Code & Meaning & Suggested Cause/Action \\
\hline 5-20 & Storage impossible because of a lack of memory & \begin{tabular}{l}
- Temporary memory shortage. \\
- Test the SAF memory.
\end{tabular} \\
\hline 5-21 & Memory overflow & \\
\hline 5-23 & Print data error when printing a substitute rx or confidential rx message & \begin{tabular}{l}
- Test the SAF memory. \\
- Ask the other end to resend the message.
\end{tabular} \\
\hline 5-25 & SAF file access error & \begin{tabular}{l}
- Replace an SD card or HDD. \\
- Replace the FCU.
\end{tabular} \\
\hline 6-00 & G3 ECM - T1 time out during reception of facsimile data & \begin{tabular}{l}
- Try adjusting the rx cable equalizer. \\
- Replace the FCU.
\end{tabular} \\
\hline 6-01 & G3 ECM - no V. 21 signal was received & \\
\hline 6-02 & G3 ECM - EOR was received & \\
\hline 6-04 & G3 ECM - RTC not detected & \begin{tabular}{l}
- Check the line connection. \\
- Check for a bad line or defective remote terminal. \\
- Replace the FCU.
\end{tabular} \\
\hline 6-05 & G3 ECM - facsimile data frame not received within 18 s of CFR, but there was no line fail & \begin{tabular}{l}
- Check the line connection. \\
- Check for a bad line or defective remote terminal. \\
- Replace the FCU. \\
- Try adjusting the rx cable equalizer \\
Cross reference \\
- Rx cable equalizer - G3 Switch 07 (PSTN)
\end{tabular} \\
\hline 6-06 & G3 ECM - coding/decoding error & \begin{tabular}{l}
- Defective FCU. \\
- The other terminal may be defective.
\end{tabular} \\
\hline 6-08 & G3 ECM - PIP/PIN received in reply to PPS.NULL & \begin{tabular}{l}
- The other end pressed Stop during communication. \\
- The other terminal may be defective.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline Code & Meaning & Suggested Cause/Action \\
\hline 6-09 & G3 ECM - ERR received & \begin{tabular}{l}
- Check for a noisy line. \\
- Adjust the tx levels of the communicating machines. \\
- \(\quad\) See code 6-05.
\end{tabular} \\
\hline 6-10 & G3 ECM - error frames still received at the other end after all communication attempts at 2400 bps & \begin{tabular}{l}
- Check for line noise. \\
- Adjust the tx level (use NCU parameter 01 or the dedicated tx parameter for that address). \\
- Check the line connection. \\
- Defective remote terminal.
\end{tabular} \\
\hline 6-21 & V. 21 flag detected during high speed modem communication & - The other terminal may be defective or incompatible. \\
\hline 6-22 & The machine resets the sequence because of an abnormal handshake in the V. 34 control channel & \begin{tabular}{l}
- Check for line noise. \\
- If the same error occurs frequently, replace the FCU. \\
- Defective remote terminal.
\end{tabular} \\
\hline 6-99 & V .21 signal not stopped within 6 s & Replace the FCU. \\
\hline 13-17 & SIP user name registration error & \begin{tabular}{l}
- Double registration of the SIP user name. \\
- Capacity for user-name registration in the SIP server is not sufficient.
\end{tabular} \\
\hline 13-18 & SIP server access error & \begin{tabular}{l}
- Incorrect initial setting for the SIP server. \\
- Defective SIP server.
\end{tabular} \\
\hline 13-24 & SIP authentication error & - Registered password in the device does not match the password in the SIP server. \\
\hline 13-25 & Network I/F setting error & \begin{tabular}{l}
- IPV4 is not active in the active protocol setting. \\
- IP address of the device is not registered.
\end{tabular} \\
\hline 13-26 & Network I/F setting error at power on & \begin{tabular}{l}
- Active protocol setting does not match the I/F setting for SIP server. \\
- IP address of the device is not registered.
\end{tabular} \\
\hline 13-27 & IP address setting error & - IP address of the device is not registered. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline Code & Meaning & Suggested Cause/Action \\
\hline 14-00 & SMTP Send Error & - Error occurred during sending to the SMTP server. Occurs for any error other than 14-01 to 16 . For example, the mail address of the system administrator is not registered. \\
\hline 14-01 & SMTP Connection Failed & \begin{tabular}{l}
- Failed to connect to the SMTP server (timeout) because the server could not be found. \\
- The PC is not ready to transfer files. \\
- SMTP server not functioning correctly. \\
- The DNS IP address is not registered. \\
- Network not operating correctly. \\
- Destination folder selection not correct.
\end{tabular} \\
\hline 14-02 & No Service by SMTP Service
(421) & \begin{tabular}{l}
- SMTP server operating incorrectly, or the destination for direct SMTP sending is not correct. \\
- Contact the system administrator and check that the SMTP server has the correct settings and operates correctly. \\
- Contact the system administrator for direct SMTP sending and check the sending destination.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline Code & Meaning & Suggested Cause/Action \\
\hline 14-03 & Access to SMTP Server Denied (450) & \begin{tabular}{l}
- Failed to access the SMTP server because the access is denied. \\
- SMTP server operating incorrectly. Contact the system administrator to determine if there is a problem with the SMTP server and to check that the SMTP server settings are correct. \\
- Folder send destination is incorrect. Contact the system administrator to determine that the SMTP server settings and path to the server are correct. \\
- Device settings incorrect. Confirm that the user name and password settings are correct. \\
- Direct SMTP destination incorrect. Contact the system administrator to determine if there is a problem at the destination at that the settings at the destination are correct.
\end{tabular} \\
\hline 14-04 & Access to SMTP Server Denied (550) & \begin{tabular}{l}
- SMTP server operating incorrectly \\
- Direct SMTP sending not operating correctly
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline Code & Meaning & Suggested Cause/Action \\
\hline 14-05 & SMTP Server HDD Full (452) & \begin{tabular}{l}
- Failed to access the SMTP server because the HDD on the server is full. \\
- Insufficient free space on the HDD of the SMTP server. Contact the system administrator and check the amount of space remaining on the SMTP server HDD. \\
- Insufficient free space on the HDD where the destination folder is located. Contact the system administrator and check the amount of space remaining on the HDD where the target folder is located. \\
- Insufficient free space on the HDD at the target destination for SMTP direct sending. Contact the system administrator and check the amount of space remaining on the target HDD.
\end{tabular} \\
\hline 14-06 & User Not Found on SMTP Server (551) & \begin{tabular}{l}
- The designated user does not exist. \\
- The designated user does not exist on the SMTP server. \\
- The designated address is not for use with direct SMTP sending.
\end{tabular} \\
\hline 14-07 & Data Send to SMTP Server Failed (4XX) & \begin{tabular}{l}
- Failed to access the SMTP server because the transmission failed. \\
- PC not operating correctly. \\
- SMTP server operating incorrectly \\
- Network not operating correctly. \\
- Destination folder setting incorrect. \\
- Direct SMTP sending not operating correctly.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline Code & Meaning & Suggested Cause/Action \\
\hline 14-08 & Data Send to SMTP Server Failed (5XX) & \begin{tabular}{l}
- Failed to access the SMTP server because the transmission failed. \\
- SMTP server operating incorrectly \\
- Destination folder setting incorrect. \\
- Direct SMTP sending not operating correctly. \\
- Software application error.
\end{tabular} \\
\hline 14-09 & Authorization Failed for Sending to SMTP Server & \begin{tabular}{l}
- POP-Before-SMTP or SMTP authorization failed. \\
- Incorrect setting for file transfer
\end{tabular} \\
\hline 14-10 & Addresses Exceeded & - Number of broadcast addresses exceeded the limit for the SMTP server. \\
\hline 14-11 & Buffer Full & - The send buffer is full so the transmission could not be completed. Buffer is full due to using Scan-to-Email while the buffer is being used send mail at the same time. \\
\hline 14-12 & Data Size Too Large & - Transmission was cancelled because the detected size of the file was too large. \\
\hline 14-13 & Send Cancelled & - Processing is interrupted because the user pressed Stop. \\
\hline 14-14 & Security Locked File Error & - Update the software because of the defective software. \\
\hline 14-15 & Mail Data Error & \begin{tabular}{l}
- The transmitting a mail is interrupted via DCS due to the incorrect data. \\
- Update the software because of the defective software.
\end{tabular} \\
\hline 14-16 & Maximum Division Number Error & \begin{tabular}{l}
- When a mail is divided for the mail transmission and the division number of a mail are more than the specified number, the mail transmission is interrupted. \\
- Update the software because of the defective software.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline Code & Meaning & Suggested Cause/Action \\
\hline 14-17 & Incorrect Ticket & - Update the software because of the defective software. \\
\hline 14-18 & Access to MCS File Error & \begin{tabular}{l}
- The access to MCS file is denied due to the no permission of access. \\
- Update the software because of the defective software.
\end{tabular} \\
\hline 14-20 & SMTP Authentication error & Make sure the administrator's e-mail address is same as the SMTP authentication address or POP before SMTP address. \\
\hline 14-21 & Transmission error of S/MIME & Register the correct user certificate and device certificate. \\
\hline 14-30 & MCS File Creation Failed & \begin{tabular}{l}
Failed to create the MCS file because: \\
- The number of files created with other applications on the Document Server has exceeded the limit. \\
- HDD is full or not operating correctly. \\
- Software error.
\end{tabular} \\
\hline 14-31 & UFS File Creation Failed & \begin{tabular}{l}
UFS file could not be created: \\
- Not enough space in UFS area to handle both Scan-to-Email and IFAX transmission. \\
- HDD full or not operating correctly. \\
- Software error.
\end{tabular} \\
\hline 14-32 & Cancelled the Mail Due to Error Detected by NFAX & - Error detected with NFAX and send was cancelled due to a software error. \\
\hline 14-33 & No Mail Address For the Machine & - Neither the mail address of the machine nor the mail address of the network administrator is registered. \\
\hline 14-34 & Address designated in the domain for SMTP sending does not exist & \begin{tabular}{l}
- Operational error in normal mail sending or direct SMTP sending. \\
- Check the address selected in the address book for SMTP sending. \\
- Check the domain selection.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline Code & Meaning & Suggested Cause/Action \\
\hline 14-50 & Mail Job Task Error & \begin{tabular}{l}
Due to an FCU mail job task error, the send was cancelled: \\
- Address book was being edited during creation of the notification mail. \\
- Software error.
\end{tabular} \\
\hline 14-51 & UCS Destination Download Error & \begin{tabular}{l}
Not even one return notification can be downloaded: \\
- The address book was being edited. \\
- The number for the specified destination does not exist (it was deleted or edited after the job was created).
\end{tabular} \\
\hline 14-60 & Send Cancel Failed & - The cancel operation by the user failed to cancel the send operation. \\
\hline 14-61 & Notification Mail Send Failed for All Destinations & - All addresses for return notification mail failed. \\
\hline 14-62 & Transmission Error due to the existence of zero line page & - When the 0 line page exists in received pages with G3 communication, the transmission is interrupted. \\
\hline 15-01 & POP3/IMAP4 Server Not Registered & - At startup, the system detected that the IP address of the POP3/IMAP4 server has not been registered in the machine. \\
\hline 15-02 & POP3/IMAP4 Mail Account Information Not Registered & - The POP3/IMAP4 mail account has not been registered. \\
\hline 15-03 & Mail Address Not Registered & - The mail address has not been registered. \\
\hline 15-10 & DCS Mail Receive Error & - Error other than 15-11 to 15-18. \\
\hline 15-11 & Connection Error & \begin{tabular}{l}
The DNS or POP3/IMAP4 server could not be found: \\
- The IP address for DNS or POP3/IMAP4 server is not stored in the machine. \\
- The DNS IP address is not registered. \\
- Network not operating correctly.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline Code & Meaning & Suggested Cause/Action \\
\hline 15-12 & Authorization Error & \begin{tabular}{l}
POP3/IMAP4 send authorization failed: \\
- Incorrect IFAX user name or password. \\
- Access was attempted by another device, such as the PC. \\
- POP3/IMAP4 settings incorrect.
\end{tabular} \\
\hline 15-13 & Receive Buffer Full & \begin{tabular}{l}
- Occurs only during manual reception. \\
Transmission cannot be received due to insufficient buffer space. The buffer is being used for mail send or Scan-to-Email.
\end{tabular} \\
\hline 15-14 & Mail Header Format Error & - The mail header is not standard format. For example, the Date line description is incorrect. \\
\hline 15-15 & Mail Divide Error & - The e-mail is not in standard format. There is no boundary between parts of the e-mail, including the header. \\
\hline 15-16 & Mail Size Receive Error & - The mail cannot be received because it is too large. \\
\hline 15-17 & Receive Timeout & - May occur during manual receiving only because the network is not operating correctly. \\
\hline 15-18 & Incomplete Mail Received & - Only one portion of the mail was received. \\
\hline 15-31 & \begin{tabular}{l}
Final Destination for Transfer \\
Request Reception Format Error
\end{tabular} & - The format of the final destination for the transfer request was incorrect. \\
\hline 15-39 & Send/Delivery Destination Error & \begin{tabular}{l}
The transmission cannot be delivered to the final destination: \\
- Destination file format is incorrect. \\
- Could not create the destination for the file transmission.
\end{tabular} \\
\hline 15-41 & SMTP Receive Error & - Reception rejected because the transaction exceeded the limit for the "Auth. E-mail RX" setting. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline Code & Meaning & Suggested Cause/Action \\
\hline 15-42 & Off Ramp Gateway Error & - The delivery destination address was specified with Off Ramp Gateway OFF. \\
\hline 15-43 & Address Format Error & - Format error in the address of the Off Ramp Gateway. \\
\hline 15-44 & Addresses Over & - The number of addresses for the Off Ramp Gateway exceeded the limit of 30 . \\
\hline 15-61 & Attachment File Format Error & - The attached file is not TIFF format. \\
\hline 15-62 & TIFF File Compatibility Error & \begin{tabular}{l}
Could not receive transmission due to: \\
- Resolution error \\
- Image of resolution greater than 200 dpi without extended memory. \\
- Resolution is not supported. \\
- Page size error \\
- The page size was larger than A3. \\
- Compression error \\
- File was compressed with other than MH, MR, or MMR.
\end{tabular} \\
\hline 15-63 & TIFF Parameter Error & \begin{tabular}{l}
The TIFF file sent as the attachment could not be received because the TIFF header is incorrect: \\
- The TIFF file attachment is a type not supported. \\
- The TIFF file attachment is corrupted. \\
- Software error.
\end{tabular} \\
\hline 15-64 & TIFF Decompression Error & \begin{tabular}{l}
The file received as an attachment caused the TIFF decompression error: \\
- The TIFF format of the attachment is corrupted. \\
- Software error.
\end{tabular} \\
\hline 15-71 & Not Binary Image Data & - The file could not be received because the attachment was not binary image data. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline Code & Meaning & Suggested Cause/Action \\
\hline 15-73 & MDN Status Error & - Could not find the Disposition line in the header of the Return Receipt, or there is a problem with the firmware. \\
\hline 15-74 & MDN Message ID Error & - Could not find the Original Message ID line in the header of the Return Receipt, or there is a problem with the firmware. \\
\hline 15-80 & Mail Job Task Read Error & - Could not receive the transmission because the destination buffer is full and the destination could not be created (this error may occur when receiving a transfer request or a request for notification of reception). \\
\hline 15-81 & \begin{tabular}{l}
Repeated Destination \\
Registration Error
\end{tabular} & - Could not repeat receive the transmission because the destination buffer is full and the destination could not be created (this error may occur when receiving a transfer request or a request for notification of reception). \\
\hline 15-91 & Send Registration Error & \begin{tabular}{l}
Could not receive the file for transfer to the final destination: \\
- The format of the final destination or the transfer destination is incorrect. \\
- Destinations are full so the final and transfer destinations could not be created.
\end{tabular} \\
\hline 15-92 & Memory Overflow & - Transmission could not be received because memory overflowed during the transaction. \\
\hline 15-93 & Memory Access Error & - Transaction could not complete due to a malfunction of SAF memory. \\
\hline 15-94 & Incorrect ID Code & - The machine rejected an incoming e-mail for transfer request, because the ID code in the incoming e-mail did not match the ID code registered in the machine. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline Code & Meaning & Suggested Cause/Action \\
\hline 15-95 & Transfer Station Function & - The machine rejected an incoming e-mail for transfer because the transfer function was unavailable. \\
\hline 16-00 & No IP address registered & \begin{tabular}{l}
- The machine does not get an IP address because the DNS server has not been registered for the remote machine or IP address of the remote machine has not been registered. \\
- Register the DNS server for the remote machine or configure an IP address of the remote machine.
\end{tabular} \\
\hline 22-00 & Original length exceeded the maximum scan length & \begin{tabular}{l}
- Divide the original into more than one page. \\
- Check the resolution used for scanning. Lower the scan resolution if possible. \\
- Add optional page memory.
\end{tabular} \\
\hline 22-01 & Memory overflow while receiving & \begin{tabular}{l}
- Wait for the files in the queue to be sent. \\
- Delete unnecessary files from memory. \\
- Transfer the substitute reception files to an another fax machine, if the machine's printer is busy or out of order. \\
- Add an optional SAF memory card or hard disk.
\end{tabular} \\
\hline 22-02 & Tx or \(r x\) job stalled due to line disconnection at the other end & \begin{tabular}{l}
- The job started normally but did not finish normally; data may or may not have been received fully. \\
- Restart the machine.
\end{tabular} \\
\hline 22-04 & The machine cannot store received data in the SAF & \begin{tabular}{l}
- Update the ROM \\
- Replace the FCU.
\end{tabular} \\
\hline 22-05 & No G3 parameter confirmation answer & - Defective FCU board or firmware. \\
\hline 23-00 & Data read timeout during construction & \begin{tabular}{l}
- Restart the machine. \\
- Replace the FCU.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline Code & Meaning & Suggested Cause/Action \\
\hline 25-00 & The machine software resets itself after a fatal transmission error occurred & \begin{tabular}{l}
- Update the ROM \\
- Replace the FCU.
\end{tabular} \\
\hline F0-xx & V. 34 modem error & - Replace the FCU. \\
\hline F6-xx & SG3 modem error & \begin{tabular}{l}
- Update the SG3 modem ROM. \\
- Replace the SG3 board. \\
- Check for line noise or other line problems. \\
- Try communicating another V.8/V. 34 fax.
\end{tabular} \\
\hline
\end{tabular}

\subsection*{3.2 IFAX TROUBLESHOOTING}

Use the following procedures to determine whether the machine or another part of the network is causing the problem.
\begin{tabular}{|c|c|c|}
\hline Communication Route & Item & Action [Remarks] \\
\hline \multirow[t]{2}{*}{General LAN} & 1. Connection with the LAN & \begin{tabular}{l}
- Check that the LAN cable is connected to the machine. \\
- Check that the LEDs on the hub are lit.
\end{tabular} \\
\hline & 2. LAN activity & Check that other devices connected to the LAN can communicate through the LAN. \\
\hline \multirow[t]{3}{*}{Between IFAX and PC} & 1. Network settings on the PC & - Check the network settings on the PC. [Is the IP address registered in the TCP/IP properties in the network setup correct? Check the IP address with the administrator of the network.] \\
\hline & 2. Check that PC can connect with the machine & \begin{tabular}{l}
- Use the "ping" command on the PC to contact the machine. \\
[At the MS-DOS prompt, type ping then the IP address of the machine, then press Enter.]
\end{tabular} \\
\hline & 3. LAN settings in the machine & \begin{tabular}{l}
- Check the LAN parameters \\
- Check if there is an IP address conflict with other PCs. \\
[Use the "Network" function in the User Tools. \\
If there is an IP address conflict, inform the administrator.]
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline Communication Route & Item & Action [Remarks] \\
\hline \multirow[t]{3}{*}{Between machine and e-mail server} & 1. LAN settings in the machine & \begin{tabular}{l}
- Check the LAN parameters \\
- Check if there is an IP address conflict with other PCs. \\
[Use the "Network" function in the User Tools. \\
If there is an IP address conflict, inform the administrator.]
\end{tabular} \\
\hline & 2. E-mail account on the server & \begin{tabular}{l}
- Make sure that the machine can log into the e-mail server. \\
- Check that the account and password stored in the server are the same as in the machine. \\
[Ask the administrator to check.]
\end{tabular} \\
\hline & 3. E-mail server & \begin{tabular}{l}
- Make sure that the client devices which have an account in the server can send/receive e-mail. \\
[Ask the administrator to check. Send a test e-mail with the machine's own number as the destination. The machine receives the returned e-mail if the communication is performed successfully.]
\end{tabular} \\
\hline Between e-mail server and internet & 1. E-mail account on the Server & \begin{tabular}{l}
- Make sure that the PC can log into the e-mail server. \\
- Check that the account and password stored in the server are the same as in the machine. \\
[Ask the administrator to check.]
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline \begin{tabular}{l}
Communication \\
Route
\end{tabular} & Item & Action [Remarks] \\
\hline \multirow[t]{4}{*}{} & 2. E-mail server & \begin{tabular}{l}
- Make sure that the client devices which have an account in the server can send/receive e-mail. \\
[Ask the administrator to check. Send a test e-mail with the machine's own number as the destination. The machine receives the returned e-mail if the communication is performed successfully.]
\end{tabular} \\
\hline & 3. Destination e-mail address & \begin{tabular}{l}
- Make sure that the e-mail address is actually used. \\
- Check that the e-mail address contains no incorrect characters such as spaces.
\end{tabular} \\
\hline & 4. Router settings & \begin{tabular}{l}
- Use the "ping" command to contact the router. \\
- Check that other devices connected to the router can sent data over the router. \\
[Ask the administrator of the server to check.]
\end{tabular} \\
\hline & 5. Error message by e-mail from the network of the destination. & \begin{tabular}{l}
- Check whether e-mail can be sent to another address on the same network, using the application e-mail software. \\
- Check the error e-mail message. \\
[Inform the administrator of the LAN.]
\end{tabular} \\
\hline
\end{tabular}

\subsection*{3.3 IP-FAX TROUBLESHOOTING}

\subsection*{3.3.1 IP-FAX TRANSMISSION}

\section*{Cannot send by IP Address/Host Name}
\begin{tabular}{|l|l|l|}
\hline \multicolumn{2}{|c|}{ Check Point } & \multicolumn{1}{c|}{ Action } \\
\hline 1 & LAN cable connected? & Check the LAN cable connection. \\
\hline 2 & Specified IP address/host name correct? & Check the IP address/host name. \\
\hline 3 & Firewall/NAT is installed? & \begin{tabular}{l} 
Cannot breach the firewall. Send by \\
using another method (Fax, Internet \\
Fax)
\end{tabular} \\
\hline 4 & \begin{tabular}{l} 
Remote terminal port number setting other \\
than 1720 (when using H.323) or 5060 \\
(when using SIP)?
\end{tabular} & Send by specifying the port number. \\
\hline 5 & IP address of local machine registered? & Register the IP address. \\
\hline 7 & Specified port number correct? & \begin{tabular}{l} 
Confirm the port number of the remote \\
fax.
\end{tabular} \\
\hline 8 & \begin{tabular}{l} 
DNS server registered when host name \\
specified?
\end{tabular} & Contact the network administrator. \\
\hline 9 & Remote fax a T.38 terminal? & \begin{tabular}{l} 
Check whether the remote fax is a T38 \\
terminal.
\end{tabular} \\
\hline 10 & Remote fax switched off or busy? & \begin{tabular}{l} 
Check that the remote fax is switched \\
on.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline \multirow{3}{*}{11} & \multirow{3}{*}{Network bandwidth too narrow?} & Request the network administrator to increase the bandwidth. \\
\hline & & Raise the delay level. IPFAX SW 01 Bit 0 to 3 \\
\hline & & IP-Fax bandwidth is the same as the DCS speed. Set IP-Fax SW00 Bit 6 to 1. \\
\hline 12 & Remote fax cancelled transmission? & Check whether the remote fax cancelled the transmission. \\
\hline
\end{tabular}

\section*{Cannot send via VoIP Gateway}
\begin{tabular}{|c|l|l|}
\hline \multicolumn{2}{|c|}{ Check Point } & \multicolumn{1}{c|}{ Action } \\
\hline 1 & LAN cable connected? & Check the LAN cable connection. \\
\hline 2 & VoIP Gateway T.38 standard? & Contact the network administrator. \\
\hline 3 & VoIP Gateway installed correctly? & Contact the network administrator. \\
\hline 4 & VoIP Gateway power switched on? & Contact the network administrator. \\
\hline 5 & \begin{tabular}{l} 
Is the IP address/host name of the \\
specified Gateway correct?
\end{tabular} & Check the IP address/host name. \\
\hline 6 & Number of the specified fax correct? & Check the remote fax number. \\
\hline 7 & Firewall/NAT is installed? & \begin{tabular}{l} 
Cannot breach the firewall. Send by \\
using another method (Fax, Internet \\
Fax)
\end{tabular} \\
\hline 8 & Transmission sent manually? & Manual sending not supported. \\
\hline 9 & IP address of local fax registered? & Register the IP address. \\
\hline 10 & \begin{tabular}{l} 
DNS registered when host name \\
specified?
\end{tabular} & Contact the network administrator. \\
\hline 11 & Remote fax a G3 fax? & Check that the remote fax is a G3 fax. \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|}
\hline 12 & G3 fax is connected to VoIP gateway? & Check that G3 fax is connected. \\
\hline 13 & Remote G3 fax turned on? & Check that G3 fax is switched on. \\
\hline \multirow{3}{*}{14} & Network bandwidth too narrow? & \begin{tabular}{l} 
Request the network administrator to \\
increase the bandwidth.
\end{tabular} \\
\cline { 3 - 5 } & & \begin{tabular}{l} 
Raise the network delay level. \\
IPFAX SW 01 Bit 0 to 3
\end{tabular} \\
\cline { 3 - 5 } & & \begin{tabular}{l} 
IP-Fax bandwidth is the same as the \\
DCS speed. Set IP-Fax SW00 Bit 6 to \\
1.
\end{tabular} \\
\hline
\end{tabular}

\section*{Cannot send by Alias Fax number.}
\begin{tabular}{|l|l|l|}
\hline \multicolumn{2}{|c|}{ Check Point } & \multicolumn{1}{c|}{ Action } \\
\hline 1 & LAN cable connected? & Check the LAN cable connection. \\
\hline 2 & Number of specified Alias fax correct? & \begin{tabular}{l} 
Confirm the Alias of the remote fax. \\
Error Code: 13-14
\end{tabular} \\
\hline 3 & Firewall/NAT installed? & \begin{tabular}{l} 
Cannot breach the firewall. Send by \\
using another method (Fax, Internet \\
Fax)
\end{tabular} \\
\hline 4 & Transmission sent manually? & Manual sending not supported. \\
\hline 5 & Gatekeeper/SIP server installed correctly? & Contact the network administrator. \\
\hline 6 & \begin{tabular}{l} 
Gatekeeper/SIP server power switched \\
on?
\end{tabular} & Contact the network administrator. \\
\hline 7 & \begin{tabular}{l} 
IP address/host name of Gatekeeper/SIP \\
server correct?
\end{tabular} & Check the IP address/host name. \\
\hline 8 & \begin{tabular}{l} 
DNS server registered when \\
Gatekeeper/SIP server host name \\
specified?
\end{tabular} & Contact the network administrator. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline 9 & Enable H.323/Enable SIP SW is set to on? & \begin{tabular}{l}
Check the settings. \\
See User Parameter SW 34 Bit 0/SW \\
34 Bit 1
\end{tabular} \\
\hline 10 & IP address of local fax registered? & Register the IP address of the local fax. \\
\hline 11 & Alias number of local fax registered? & Register the Alias number of the local fax. \\
\hline 12 & Remote fax registered in Gatekeeper? & Contact the network administrator. \\
\hline 13 & Remote fax a T. 38 terminal? & Check whether the remote fax is a T38 terminal. \\
\hline 14 & Remote fax switched off or busy? & Contact the network administrator. \\
\hline \multirow{3}{*}{15} & \multirow{3}{*}{Network bandwidth too narrow?} & Request the system administrator to increase the bandwidth. \\
\hline & & \begin{tabular}{l}
Raise the delay level. \\
IPFAX SW 01 Bit 0 to 3
\end{tabular} \\
\hline & & \begin{tabular}{l}
Lower the modem transmission baud rate. \\
IPFAX SW 05
\end{tabular} \\
\hline 16 & Remote fax cancelled transmission? & Check whether the remote fax cancelled the transmission. \\
\hline
\end{tabular}

\subsection*{3.3.2 IP-FAX RECEPTION}

\section*{Cannot receive via IP Address/Host Name.}
\begin{tabular}{|l|l|l|}
\hline \multicolumn{2}{|c|}{ Check Point } & \multicolumn{1}{c|}{ Action } \\
\hline 1 & LAN cable connected? & Check the LAN cable connection. \\
\hline 2 & Firewall/NAT is installed? & \(\begin{array}{l}\text { Cannot breach the firewall. Send by using } \\
\text { another method (Fax, Internet Fax) }\end{array}\) \\
\hline 3 & IP address of local fax registered? & Register the IP address. \\
\hline 4 & \(\begin{array}{l}\text { Port number specified at remote sender } \\
\text { fax (if required)? }\end{array}\) & \(\begin{array}{l}\text { Request the sender to specify the port } \\
\text { number. }\end{array}\) \\
\hline 5 & \(\begin{array}{l}\text { Specified port number correct (if } \\
\text { required)? }\end{array}\) & \(\begin{array}{l}\text { Request the sender to check the port } \\
\text { number. }\end{array}\) \\
\hline 6 & \(\begin{array}{l}\text { DNS server registered when host name } \\
\text { specified on sender side? }\end{array}\) & \(\begin{array}{l}\text { Contact the network administrator. } \\
\downarrow \text { Note }\end{array}\) \\
\hline 7 & The sender machine displays this \\
Network code if the sender fax is a
\end{tabular}\(\}\)

\section*{Cannot receive by VoIP Gateway.}
\begin{tabular}{|l|l|l|}
\hline \multicolumn{2}{|c|}{ Check Point } & \multicolumn{1}{c|}{ Action } \\
\hline 1 & LAN cable connected? & Check the LAN cable connection. \\
\hline 2 & Firewall/NAT is installed? & \begin{tabular}{l} 
Cannot breach the firewall. Request the \\
remote fax to send by using another \\
method (Fax, Internet Fax)
\end{tabular} \\
\hline 3 & VoIP Gateway installed correctly? & Contact the network administrator. \\
\hline 4 & VoIP Gateway power switched on? & Contact the network administrator. \\
\hline 5 & \begin{tabular}{l} 
IP address/host name of specified VoIP \\
Gateway correct on sender's side?
\end{tabular} & \begin{tabular}{l} 
Request the remote fax to check the IP \\
address/host name.
\end{tabular} \\
\hline 6 & \begin{tabular}{l} 
DNS server registered when host name \\
specified on sender side?
\end{tabular} & Contact the network administrator. \\
\hline 7 & Network bandwidth too narrow? & \begin{tabular}{l} 
Request the network administrator to \\
increase the bandwidth.
\end{tabular} \\
\hline 8 & G3 fax connected? & Check that G3 fax is connected. \\
\hline 9 & G3 fax power switched on? & Check that G3 fax is switched on. \\
\hline
\end{tabular}

\section*{Cannot receive by Alias Fax number.}
\begin{tabular}{|c|c|c|}
\hline \multicolumn{2}{|r|}{Check Point} & Action \\
\hline 1 & LAN cable connected? & Check the LAN cable connection. \\
\hline 2 & Firewall/NAT is installed? & Cannot the breach firewall. Request the remote fax to send by using another method (Fax, Internet Fax) \\
\hline 3 & Gatekeeper/SIP server installed correctly? & \begin{tabular}{l}
Contact the network administrator. \\
Note \\
- The sender machine displays this error code when the sender fax is a Ricoh model.
\end{tabular} \\
\hline 4 & Power to Gatekeeper/SIP server switched on? & \begin{tabular}{l}
Contact the network administrator. \\
Note \\
- The sender machine displays this error code when the sender fax is a Ricoh model.
\end{tabular} \\
\hline 5 & IP address/host name of Gatekeeper/SIP server correct on the sender's side? & \begin{tabular}{l}
Request the sender to check the IP address/host name. \\
Note \\
- The sender machine displays this error code when the sender fax is a Ricoh model.
\end{tabular} \\
\hline 6 & DNS server registered when Gatekeeper/SIP server host name specified on sender's side? & \begin{tabular}{l}
Contact the network administrator. \\
Note \\
- The sender machine displays this error code when the sender fax is a Ricoh model.
\end{tabular} \\
\hline 7 & Enable H.323/Enable SIP SW is set to on? & \begin{tabular}{l}
Request the sender to check the settings. User Parameter SW 34 Bit 0/SW 34 Bit 1 \\
Note \\
- Only if the remote sender fax is a Ricoh fax.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline 8 & Local fax IP address registered? & Register the IP address. \\
\hline 9 & Local fax Alias number registered? & Register the Alias number. \\
\hline \multirow[b]{2}{*}{10} & \multirow[b]{2}{*}{Network bandwidth too narrow?} & Request the system administrator to increase the bandwidth. \\
\hline & & \begin{tabular}{l}
Lower the start modem reception baud rate on the receiving side. \\
IPFAX SW06
\end{tabular} \\
\hline 11 & Remote fax cancelled transmission? & Check whether the remote fax cancelled the transmission. \\
\hline 12 & Local fax registered in Gatekeeper/SIP server? & \begin{tabular}{l}
Contact the network administrator. \\
Note \\
- The sender machine displays this error code when the sender fax is a Ricoh model.
\end{tabular} \\
\hline
\end{tabular}

\section*{4. SERVICE TABLES}

\subsection*{4.1 CAUTIONS}
t Important
- Never turn off the main power switch when the power LED is lit or flashing. To avoid damaging the hard disk or memory, press the operation power switch to switch the power off, wait for the power LED to go off, and then switch the main power switch off.

\section*{Note}
- The main power LED lights or flashes while the platen cover or ARDF is open, while the main machine is communicating with a facsimile or the network server, or while the machine is accessing the hard disk or memory for reading or writing data.

\subsection*{4.2 SERVICE PROGRAM TABLES}

\subsection*{4.2.1 SP1-XXX (BIT SW)}
page 94 "Bit Switches-1"
\begin{tabular}{|c|c|c|c|}
\hline 1 & \multicolumn{2}{|l|}{Mode No.} & Function \\
\hline \multirow[b]{2}{*}{101} & \multicolumn{3}{|l|}{System Switch} \\
\hline & 001-032 & 00-1F & \begin{tabular}{l}
Change the bit switches for system settings for the fax option \\
"page 94 "Bit Switches - 1"" : "System Switches"
\end{tabular} \\
\hline \multirow[b]{2}{*}{102} & \multicolumn{3}{|l|}{Ifax Switch} \\
\hline & 001-016 & 00-0F & \begin{tabular}{l}
Change the bit switches for internet fax settings for the fax option \\
"page 110 "Bit Switches - 2""' : "I-Fax Switches"
\end{tabular} \\
\hline \multirow[b]{2}{*}{103} & \multicolumn{3}{|l|}{Printer Switch} \\
\hline & 001-016 & 00-0F & \begin{tabular}{l}
Change the bit switches for printer settings for the fax option \\
"page 110 "Bit Switches - 2"" : "Printer Switches"
\end{tabular} \\
\hline & \multicolumn{3}{|l|}{Communication Switch} \\
\hline 104 & 001-032 & 00-1F & Change the bit switches for communication settings for the fax option "page 127 "Bit Switches - 3"" : "Communication Switches" \\
\hline & \multicolumn{3}{|l|}{G3-1 Switch} \\
\hline 105 & 001-016 & 00-0F & Change the bit switches for the protocol settings of the standard G3 board "page 138 "Bit Switches - 4"' : "G3 Switches" \\
\hline 106 & \multicolumn{3}{|l|}{G3-2 Switch} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline & 001-016 & \(00-0 \mathrm{~F}\) & \begin{tabular}{l}
Change the bit switches for the protocol settings of the optional G3 board \\
"page 148 "Bit Switches - 5"" : "G3-2 and G3-3 \\
Switches"
\end{tabular} \\
\hline \multirow[b]{2}{*}{107} & \multicolumn{3}{|l|}{G3-3 Switch} \\
\hline & 001-016 & \(00-0 \mathrm{~F}\) & Change the bit switches for the protocol settings of the optional G3 board "page 148 "Bit Switches - 5"" : "G3-2 and G3-3 Switches" \\
\hline \multirow{2}{*}{108} & \multicolumn{3}{|l|}{G4 Internal Switch} \\
\hline & 001-032 & 00-1F & Not used (Do not change the bit switches) \\
\hline \multirow{2}{*}{109} & \multicolumn{3}{|l|}{G4 Parameter Switch} \\
\hline & 001-016 & \(00-0 \mathrm{~F}\) & Not used (Do not change the bit switches) \\
\hline \multirow[b]{2}{*}{111} & \multicolumn{3}{|l|}{IP fax Switch} \\
\hline & 001-016 & \(00-0 \mathrm{~F}\) & \begin{tabular}{l}
Change the bit switches for optional IP fax parameters \\
"page 157 "Bit Switches - 6"'" : "IP Fax Switches"
\end{tabular} \\
\hline
\end{tabular}

\subsection*{4.2.2 SP2-XXX (RAM)}
\begin{tabular}{|c|c|c|c|}
\hline 2 & \multicolumn{2}{|l|}{Mode No.} & Function \\
\hline \multirow[b]{2}{*}{101} & \multicolumn{3}{|l|}{RAM Read/Write} \\
\hline & 001 & & Change RAM data for the fax board directly. page 189 "Service RAM Addresses" \\
\hline \multirow{5}{*}{102} & \multicolumn{3}{|l|}{Memory Dump} \\
\hline & 001 & G3-1 Memory Dump & Print out RAM data for the fax board. page 189 "Service RAM Addresses" \\
\hline & 002 & \begin{tabular}{l}
G3-2 Memory \\
Dump
\end{tabular} & Print out RAM data for the optional SG3 board. \\
\hline & 003 & G3-3 Memory Dump & Print out RAM data for the optional SG3 board. \\
\hline & 004 & G4 Memory Dump & Not used \\
\hline \multirow[b]{2}{*}{103} & \multicolumn{3}{|l|}{G3-1 NCU Parameters} \\
\hline & 001-023 & CC, 01 - 22 & NCU parameter settings for the standard G3 board. page 166 "NCU Parameters" \\
\hline \multirow[b]{2}{*}{104} & \multicolumn{3}{|l|}{G3-2 NCU Parameters} \\
\hline & 001-023 & CC, 01-22 & NCU parameter settings for the optional G3 board. page 166 "NCU Parameters" \\
\hline \multirow[b]{2}{*}{105} & \multicolumn{3}{|l|}{G3-3 NCU Parameters} \\
\hline & 001-023 & CC, 01 - 22 & NCU parameter settings for the optional G3 board. page 166 "NCU Parameters" \\
\hline
\end{tabular}

\subsection*{4.2.3 SP3-XXX (MACHINE SET)}
\begin{tabular}{|c|c|c|c|}
\hline 3 & \multicolumn{2}{|l|}{Mode No.} & Function \\
\hline \multirow{3}{*}{101} & \multicolumn{3}{|l|}{Service Station} \\
\hline & 001 & Fax Number & Enter the fax number of the service station. \\
\hline & 002 & Select Line & Select the line type. \\
\hline \multirow{2}{*}{102} & \multicolumn{3}{|l|}{Serial Number} \\
\hline & 000 & & Enter the fax unit's serial number. \\
\hline \multirow{4}{*}{103} & \multicolumn{3}{|l|}{PSTN-1 Port Settings} \\
\hline & 001 & Select Line & Select the line type setting for the G3-1 line. If the machine is installed on a PABX line, select "PABX", "PABX(GND)" or "PABX(FLASH)". \\
\hline & 002 & \begin{tabular}{l}
PSTN Access \\
Number
\end{tabular} & Enter the PSTN access number for the G3-1 line. \\
\hline & 003 & \begin{tabular}{l}
Memory Lock \\
Disabled
\end{tabular} & Not used \\
\hline \multirow{5}{*}{104} & \multicolumn{3}{|l|}{PSTN-2 Port Settings} \\
\hline & 001 & Select Line & Select the line setting for the G3-2 line. If the machine is installed on a PABX line, select "PABX", "PABX(GND)" or "PABX(FLASH)". \\
\hline & 002 & \begin{tabular}{l}
PSTN Access \\
Number
\end{tabular} & Enter the PSTN access number for the G3-2 line. \\
\hline & 003 & \begin{tabular}{l}
Memory Lock \\
Disabled
\end{tabular} & Not used \\
\hline & 004 & \begin{tabular}{l}
Transmission \\
Disabled
\end{tabular} & If you turn this SP on, the machine does not send any fax messages on the G3-2 line. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{5}{*}{105} & \multicolumn{3}{|l|}{PSTN-3 Port Settings} \\
\hline & 001 & Select Line & Select the line setting for the G3-3 line. If the machine is installed on a PABX line, select "PABX", "PABX(GND)" or "PABX(FLASH)". \\
\hline & 002 & \begin{tabular}{l}
PSTN Access \\
Number
\end{tabular} & Enter the PSTN access number for the G3-3 line. \\
\hline & 003 & Memory Lock Disabled & Not used \\
\hline & 004 & \begin{tabular}{l}
Transmission \\
Disabled
\end{tabular} & If you turn this SP on, the machine does not send any fax messages on the G3-3 line. \\
\hline \multirow{4}{*}{106} & \multicolumn{3}{|l|}{ISDN Port Settings} \\
\hline & 001 & Select Line & \multirow{4}{*}{Not used (Do not change the settings.)} \\
\hline & 002 & \begin{tabular}{l}
PSTN Access \\
Number
\end{tabular} & \\
\hline & 003 & Memory Lock Disabled & \\
\hline & 004 & Transmission Disabled & \\
\hline \multirow{8}{*}{107} & \multicolumn{3}{|l|}{IPFAX Port Settings} \\
\hline & 001 & H323 Port & Sets the H323 port number. \\
\hline & 002 & SIP Port & Sets the SIP port number. \\
\hline & 003 & RAS Port & Sets the RAS port number. \\
\hline & 004 & Gatekeeper port & Sets the Gatekeeper port number. \\
\hline & 005 & T. 38 Port & Sets the T. 38 port number. \\
\hline & 006 & SIP Server Port & Sets the SIP port number. \\
\hline & 007 & \begin{tabular}{l}
IPFAX Protocol \\
Priority
\end{tabular} & Select "H323" or "SIP". \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|l|}
\hline \multirow{2}{*}{201} & \multicolumn{3}{|l|}{ FAX SW } \\
\cline { 2 - 4 } & \(001-032\) & \(00-1 F\) & \\
\hline
\end{tabular}

\subsection*{4.2.4 SP4-XXX (ROM VERSIONS)}
\begin{tabular}{|c|c|l|l|}
\hline 4 & \multicolumn{2}{|l|}{ Mode No. } & Function \\
\hline 101 & 001 & FCU ROM Version & Displays the FCU ROM version. \\
\hline 102 & 001 & Error Codes & Displays the latest 64 fax error codes. \\
\hline 103 & 001 & G3-1 ROM Version & Displays the G3-1 modem version. \\
\hline 104 & 001 & G3-2 ROM Version & Displays the G3-2 modem version. \\
\hline 105 & 001 & G3-3 ROM Version & Displays the G3-3 modem version. \\
\hline 106 & 001 & G4 ROM Version & Not used (Do not change the settings.) \\
\hline
\end{tabular}

\subsection*{4.2.5 SP5-XXX (RAM CLEAR)}
\begin{tabular}{|c|c|c|}
\hline 5 & Mode No. & Function \\
\hline \multirow[b]{2}{*}{101} & \multicolumn{2}{|l|}{Initialize SRAM (except Secure)} \\
\hline & 000 & Initializes the bit switches and user parameters, user data in the SRAM, files in the SAF memory, and clock. \\
\hline \multirow{2}{*}{102} & \multicolumn{2}{|l|}{Erase All Files} \\
\hline & 000 & Erases all files stored in the SAF memory. \\
\hline \multirow{2}{*}{103} & \multicolumn{2}{|l|}{Reset Bit Switches (except Secure)} \\
\hline & 000 & Resets the bit switches and user parameters. \\
\hline \multirow[b]{2}{*}{104} & \multicolumn{2}{|l|}{Factory Setting} \\
\hline & 000 & Resets the bit switches and user parameters, user data in the SRAM and files in the SAF memory. \\
\hline \multirow{2}{*}{105} & \multicolumn{2}{|l|}{Reset All Bit Switches} \\
\hline & 000 & Resets all the current bit switch settings. \\
\hline & \multicolumn{2}{|l|}{Reset Security Bit Switches} \\
\hline 106 & 000 & Resets only the security bit switches. If you select automatic output/display for the user parameter switches, the security settings are initialized. \\
\hline
\end{tabular}

\subsection*{4.2.6 SP6-XXX (REPORTS)}
\begin{tabular}{|c|c|c|c|}
\hline 6 & \multicolumn{2}{|l|}{Mode No.} & Function \\
\hline \multirow[b]{2}{*}{101} & \multicolumn{3}{|l|}{System Parameter List} \\
\hline & 000 & - & Touch the "ON" button to print the system parameter list. \\
\hline \multirow[b]{2}{*}{102} & \multicolumn{3}{|l|}{Service Monitor Report} \\
\hline & 000 & - & Touch the "ON" button to print the service monitor report. \\
\hline \multirow{8}{*}{103} & \multicolumn{3}{|l|}{G3 Protocol Dump List} \\
\hline & 001 & \begin{tabular}{l}
G3 All \\
Communications
\end{tabular} & Prints the protocol dump list of all communications for all G3 lines. \\
\hline & 002 & \begin{tabular}{l}
G3-1 (All \\
Communications)
\end{tabular} & Prints the protocol dump list of all communications for the G3-1 line. \\
\hline & 003 & \begin{tabular}{l}
G3-1 \\
(1 Communication)
\end{tabular} & Prints the protocol dump list of the last communication for the G3-1 line. \\
\hline & 004 & \begin{tabular}{l}
G3-2 \\
(All Communications)
\end{tabular} & Prints the protocol dump list of all communications for the G3-2 line. \\
\hline & 005 & \[
\begin{aligned}
& \text { G3-2 } \\
& \text { (1 Communication) }
\end{aligned}
\] & Prints the protocol dump list of the last communication for the G3-2 line. \\
\hline & 006 & \begin{tabular}{l}
G3-3 \\
(All Communications)
\end{tabular} & Prints the protocol dump list of all communications for the G3-3 line. \\
\hline & 007 & \[
\begin{aligned}
& \text { G3-3 } \\
& \text { (1 Communication) }
\end{aligned}
\] & Prints the protocol dump list of the last communication for the G3-3 line. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{7}{*}{104} & \multicolumn{3}{|l|}{G4 Protocol Dump List} \\
\hline & 001 & Dch + Bch 1 & \multirow{6}{*}{Not used (Do not change the settings.)} \\
\hline & 002 & Dch & \\
\hline & 003 & Bch 1 Link Layer & \\
\hline & 004 & Dch Link Layer & \\
\hline & 005 & Dch +Bch 2 & \\
\hline & 006 & Bch 2 Link Layer & \\
\hline \multirow[b]{2}{*}{105} & \multicolumn{3}{|l|}{All Files print out} \\
\hline & 000 & - & \begin{tabular}{l}
Prints out all the user files in the SAF memory, including confidential messages. \\
Note \\
- Do not use this function, unless the customer is having trouble printing confidential messages or recovering files stored using the memory lock feature.
\end{tabular} \\
\hline \multirow{3}{*}{106} & \multicolumn{3}{|l|}{Journal Print out} \\
\hline & 001 & All Journals & The machine prints all the communication records on the report. \\
\hline & 002 & Specified Date & The machine prints all communication records after the specified date. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multirow{14}{*}{107} & \multicolumn{3}{|l|}{Log List Print out} \\
\hline & 001 & All log files & \multirow{13}{*}{These log print out functions are for designer use only.} \\
\hline & 002 & Printer & \\
\hline & 003 & SC/TRAP Stored & \\
\hline & 004 & Decompression & \\
\hline & 005 & Scanner & \\
\hline & 006 & JOB/SAF & \\
\hline & 007 & Reconstruction & \\
\hline & 008 & JBIG & \\
\hline & 009 & Fax Driver & \\
\hline & 010 & G3CCU & \\
\hline & 011 & Fax Job & \\
\hline & 012 & CCU & \\
\hline & 013 & Scanner Condition & \\
\hline & IP Prot & Dump List & \\
\hline 108 & 001 & All Communications & Prints the protocol dump list of all communications for the IP fax line. \\
\hline & 002 & 1 Communication & Prints the protocol dump list of the last communication for the IP fax line. \\
\hline
\end{tabular}

\subsection*{4.2.7 SP7-XXX (TESTS)}

These are the test modes for PTT approval.
\begin{tabular}{|c|l|}
\hline 7 & Function \\
\hline 101 & G3-1 Modem Tests \\
\hline 102 & G3-1 DTMF Tests \\
\hline 103 & Ringer Test \\
\hline 104 & G3-1 V34 (S2400baud) \\
\hline 105 & G3-1 V34 (S2800baud) \\
\hline 106 & G3-1 V34 (S3000baud) \\
\hline 107 & G3-1 V34 (S3200baud) \\
\hline 108 & G3-1 V34 (S3429baud) \\
\hline 109 & Recorded Message Test \\
\hline 110 & G3-2 Modem Tests \\
\hline 111 & G3-2 DTMF Tests \\
\hline 112 & G3-2 V34 (S2400baud) \\
\hline 113 & G3-2 V34 (S2800baud) \\
\hline 114 & G3-2 V34 (S3000baud) \\
\hline 115 & G3-2 V34 (S3200baud) \\
\hline 116 & G3-2 V34 (S3429baud) \\
\hline 117 & G3-3 Modem Tests \\
\hline 118 & G3-3 DTMF Tests \\
\hline 119 & G3-3 V34 (S2400baud) \\
\hline 120 & G3-3 V34 (S2800baud) \\
\hline 121 & G3-3 V34 (S3000baud) \\
\hline 122 & G3-3 V34 (S3200baud) \\
\hline
\end{tabular}
\begin{tabular}{|c|l|}
\hline 123 & G3-3 V34 (S3429baud) \\
\hline 124 & IG3-1 Modem Tests - Not used \\
\hline 125 & IG3-1 DTMF Tests - Not used \\
\hline 126 & IG3-1 V34 (S2400baud) - Not used \\
\hline 127 & IG3-1 V34 (S2800baud) - Not used \\
\hline 128 & IG3-1 V34 (S3000baud) - Not used \\
\hline 129 & IG3-1 V34 (S3200baud) - Not used \\
\hline 130 & IG3-1 V34 (S3429baud) - Not used \\
\hline 131 & IG3-2 Modem Tests - Not used \\
\hline 132 & IG3-2 DTMF Tests - Not used \\
\hline 133 & IG3-2 V34 (S2400baud) - Not used \\
\hline 134 & IG3-2 V34 (S2800baud) - Not used \\
\hline 135 & IG3-2 V34 (S3000baud) - Not used \\
\hline 136 & IG3-2 V34 (S3200baud) - Not used \\
\hline & IG3-2 V34 (S3429baud) - Not used \\
\hline
\end{tabular}

\subsection*{4.3 BIT SWITCHES - 1}
\(\downarrow\) Note
- Do not adjust a bit switch or use a setting that is described as "Not used", as this may cause the machine to malfunction or to operate in a manner that is not accepted by local regulations. Such bits are for use only in other areas, such as Japan.
Default settings for bit switches are not listed in this manual. Refer to the System Parameter List printed by the machine.

\subsection*{4.3.1 SYSTEM SWITCHES}
\begin{tabular}{|l|l|l|}
\hline \multicolumn{2}{|c|}{ System Switch 00 (SP No. 1-101-001) } \\
\hline No & \multicolumn{1}{|c|}{ Function } & \multicolumn{1}{c|}{ Comments } \\
\hline 0 & \begin{tabular}{l} 
Dedicated transmission \\
parameter programming \\
0: Disabled \\
1: Enabled
\end{tabular} & \begin{tabular}{l} 
Set this bit to 1 before changing any dedicated \\
transmission parameters. \\
This setting is automatically reset to "0" after \\
turning off and on.
\end{tabular} \\
\hline 1 & Not used & \begin{tabular}{l} 
Technical data printout on the \\
Journal \\
0: Disabled \\
1: Enabled
\end{tabular}
\end{tabular} \begin{tabular}{l} 
1: Instead of the personal name, the following \\
data are listed on the Journal for each G3 \\
communication.
\end{tabular}
\begin{tabular}{|c|c|}
\hline & \begin{tabular}{l}
Example: \\
\(0000 \quad 32 \mathrm{~V} 34 \quad 288 / 264 \quad\) L0100 0304 \\
(1) \(\quad(2)(3) \quad\) (4) (5) (6) \(\quad\) (7) (8) \\
(1): EQM value (Line quality data). A larger number means more errors. \\
(2): Symbol rate (V. 34 only) \\
(3): Final modem type used \\
(4): Starting data rate (for example, 288 means 28.8 kbps ) \\
(5): Final data rate \\
(6): \(R x\) revel (see below for how to read the \(r x\) level) \\
(7): Total number of error lines that occurred during non-ECM reception. \\
(8): Total number of burst error lines that occurred during non-ECM reception. \\
Note \\
- EQM and rx level are fixed at "FFFF" in \(t x\) mode. \\
- The seventh and eighth numbers are fixed at " 00 " for transmission records and ECM reception records.
\end{tabular} \\
\hline & \begin{tabular}{l}
Rx level calculation \\
Example: \\
\(0000 \quad 32 \mathrm{~V} 34 \quad\) 288/264 \(\quad\) L0100 0304 \\
(1) \(\quad\) (2)(3) \(\quad\) (4) (5) (6) \(\quad\) (7) (8) \\
The four-digit hexadecimal value ( N ) after "L" indicates the rx level. \\
The high byte is given first, followed by the low byte. Divide the decimal value of N by -16 to get the rx level. \\
In the above example, the decimal value of \(N(=0100[H])\) is 256. \\
So, the actual \(r x\) level is \(256 /-16=-16 \mathrm{~dB}\)
\end{tabular} \\
\hline 3 & Not used \(\quad\) Do not change this setting. \\
\hline 4 & \begin{tabular}{l|l} 
& When "1" is selected, a line error mark is \\
Line error mark print & printed on the printout if a line error occurs \\
0: OFF, 1: ON (print) & \begin{tabular}{l} 
during reception. This shows error locations \\
when ECM is turned off.
\end{tabular} \\
\hline
\end{tabular} \\
\hline 5 & \begin{tabular}{l|l|} 
G3/G4 communication & This is a fault-finding aid. The LCD shows the \\
parameter display & key parameters (see "G3 Communication \\
O: Disabled & Parameters" below this table). This is normally \\
1: Enabled & disabled because it cancels the CSI display for \\
the user. \\
Be sure to reset this bit to "0" after testing.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|}
\hline & & \begin{tabular}{l} 
This is only used for communication \\
Protocol dump list output after \\
each communication \\
0: Off \\
\(1:\) On \\
transmitted facsimile protocol signals. Always \\
reset this bit to 0 after finishing testing. \\
If system switch 09 bit 6 is at " \(1 "\), the list is only \\
printed if there was an error during the \\
communication.
\end{tabular} \\
\hline 7 & Not used & Do not change the setting. \\
\hline
\end{tabular}

\section*{G3 Communication Parameters}
\begin{tabular}{|c|c|}
\hline Modem rate & \begin{tabular}{ll} 
336: 33600 bps & \(168: 16800 \mathrm{bps}\) \\
312: 31200 bps & \(144: 14400 \mathrm{bps}\) \\
288: 28800 bps & \(120: 12000 \mathrm{bps}\) \\
264: 26400 bps & \(96: 9600 \mathrm{bps}\) \\
240: 24000 bps & \(72: 7200 \mathrm{bps}\) \\
216: 21600 bps & \(48: 4800 \mathrm{bps}\) \\
192: 19200 bps & \(24: 2400 \mathrm{bps}\)
\end{tabular} \\
\hline Resolution & \begin{tabular}{l}
S: Standard ( \(8 \times 3.85\) dots \(/ \mathrm{mm}\) ) \\
D: Detail ( \(8 \times 7.7\) dots \(/ \mathrm{mm}\) ) \\
F: Fine ( \(8 \times 15.4\) dots \(/ \mathrm{mm}\) ) \\
SF: Superfine ( \(16 \times 15.4\) dots \(/ \mathrm{mm}\) ) \\
21: Standard ( \(200 \times 100 \mathrm{dpi}\) ) \\
22: Detail ( \(200 \times 200 \mathrm{dpi}\) ) \\
44: Superfine ( \(400 \times 400 \mathrm{dpi}\) )
\end{tabular} \\
\hline Compression mode & \begin{tabular}{l}
MMR: MMR compression \\
MR: MR compression \\
MH: MH compression \\
JBO: JBIG compression (Optional mode) \\
JBB: JBIG compression (Basic mode)
\end{tabular} \\
\hline Communication mode & \begin{tabular}{l}
ECM: With ECM \\
NML: With no ECM
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|}
\hline Width and reduction & \begin{tabular}{l}
A4: A4 (8.3"), no reduction \\
B4: B4 (10.1"), no reduction \\
A3: A3 (11.7"), no reduction
\end{tabular} \\
\hline I/O rate & \begin{tabular}{l}
0: \(0 \mathrm{~ms} / \mathrm{line}\) \\
5: \(5 \mathrm{~ms} / \mathrm{line}\) \\
10: \(10 \mathrm{~ms} / \mathrm{line}\) \\
20: \(20 \mathrm{~ms} / \mathrm{line}\) \\
25: \(2.5 \mathrm{~ms} / \mathrm{line}\) \\
40: \(40 \mathrm{~ms} / \mathrm{line}\) \\
Note \\
- " 40 " is displayed while receiving a fax message using AI short protocol.
\end{tabular} \\
\hline
\end{tabular}

System Switch 01 - Not used (Do not change the factory settings.)
\begin{tabular}{|c|c|c|}
\hline \multicolumn{3}{|r|}{System Switch 02 (SP No. 1-101-003)} \\
\hline No & Function & Comments \\
\hline 0-1 & Not used & Do not change these settings. \\
\hline 2 & \begin{tabular}{l}
Forced reset after transmission stalls \\
0: Off \\
1: On
\end{tabular} & With this setting on, the machine resets itself automatically if a transmission stalls and fails to complete the job. \\
\hline 3 & Not used & Do not change these settings. \\
\hline 4 & \begin{tabular}{l}
File retention time \\
0: Depends on User Parameter \\
24 [18(H)] \\
1: No limit
\end{tabular} & 1: A file that had a communication error will not be erased unless the communication is successful. \\
\hline 5 & Not used & Do not change this setting. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|}
\hline \multirow{7}{*}{6-7} & \multicolumn{3}{|l|}{Memory read/write by RDS} & \multirow[t]{7}{*}{\begin{tabular}{l}
\((0,0)\) : All RDS systems are always locked out. ( 0,1 ), ( 1,0 ): Normally, RDS systems are locked out, but the user can temporarily switch RDS on to allow RDS operations to take place. RDS will automatically be locked out again after a certain time, which is stored in System Switch 03. Note that if an RDS operation takes place, RDS will not switch off until this time limit has expired. \\
(1,1): At any time, an RDS system can access the machine.
\end{tabular}} \\
\hline & Bit 7 & Bit 6 & Setting & \\
\hline & 0 & 0 & Always disabled & \\
\hline & 0 & 1 & User selectable & \\
\hline & 1 & 0 & User selectable & \\
\hline & 1 & 1 & Always enabled & \\
\hline & \multicolumn{3}{|l|}{} & \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|}
\hline \multicolumn{3}{|c|}{ System Switch 03 (SP No. 1-101-004) } \\
\hline No & \multicolumn{1}{|c|}{ Function } & \multicolumn{1}{|c|}{ Comments } \\
\hline 0 & Length of time that RDS is \\
temporarily switched on when \\
to \\
7 & \begin{tabular}{l} 
bits 6 and 7 of System Switch \\
02 are set to "User selectable"
\end{tabular} & \begin{tabular}{l}
\(00-99\) hours (BCD). \\
This setting is only valid if bits 6 and 7 of \\
System Switch 02 are set to "User selectable". \\
The default setting is 24 hours.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|l|l|}
\hline \multicolumn{2}{|c|}{ System Switch 04 (SP No. 1-101-005) } \\
\hline No & \multicolumn{1}{|c|}{ Function } & \multicolumn{1}{c|}{ Comments } \\
\hline 0-2 & Not used & Do not change these settings. \\
\hline Printing dedicated tx \\
parameters on Quick/Speed \\
Dial Lists \\
0: Disabled \\
1: Enabled
\end{tabular}\(\quad\)\begin{tabular}{l} 
1: Each Quick/Speed dial number on the list is \\
printed with the dedicated tx parameters (10 \\
bytes each). \\
The first 10 bytes of data are the programmed \\
dedicated tx parameters; 34 bytes of data are \\
printed (the other 24 bytes have no use for \\
service technicians).
\end{tabular}
\begin{tabular}{|l|}
\hline System Switch 05 - Not used (Do not change the factory settings.) \\
\hline System Switch 06 - Not used (Do not change the factory settings.) \\
\hline System Switch 07 - Not used (Do not change the factory settings.) \\
\hline System Switch 08 - Not used (Do not change the factory settings.) \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|}
\hline \multicolumn{3}{|c|}{ System Switch 09 (SP No. 1-101-010) } \\
\hline No & \multicolumn{1}{|c|}{ Function } & \multicolumn{1}{c|}{ Comments } \\
\hline 0 & \begin{tabular}{l} 
Addition of image data from \\
confidential transmissions on \\
the transmission result report \\
0: Disabled 1: Enabled
\end{tabular} & \begin{tabular}{l} 
If this feature is enabled, the top half of the first \\
page of confidential messages will be printed \\
on transmission result reports.
\end{tabular} \\
\hline 1 & \begin{tabular}{l} 
Print timing of communication \\
reports on the Journal when no \\
image data was exchanged. \\
0: After DCS/NSS \\
communication (default), \\
1: After polling
\end{tabular} & \begin{tabular}{l} 
0: The Journal is printed only when image data \\
is sent. \\
1: The Journal is printed when any data is sent.
\end{tabular} \\
\hline 2 & \begin{tabular}{l} 
Automatic error report printout \\
0: Disabled 1: Enabled
\end{tabular} & \begin{tabular}{l} 
0: Error reports will not be printed. \\
1: Error reports will be printed automatically \\
after failed communications.
\end{tabular} \\
\hline 3 & \begin{tabular}{l} 
Printing of the error code on the \\
error report \\
0: No 1: Yes
\end{tabular} & \begin{tabular}{l} 
1: Error codes are printed on the error reports. \\
This can be used for detecting an error which \\
occurs rarely.
\end{tabular} \\
\hline 4 & Not used & \begin{tabular}{l} 
Power failure report \\
0: Disabled \\
1: Enabled (default)
\end{tabular} \\
\hline Do not change this setting.
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline 6 & \begin{tabular}{l}
Conditions for printing the protocol dump list \\
0: Print for all communications \\
1: Print only when there is a communication error
\end{tabular} & \begin{tabular}{l}
This switch becomes effective only when system switch 00 bit 6 is set to 1 . \\
1: Set this bit to 1 when you wish to print a protocol dump list only for communications with errors. \\
NOTE: The memory size is limited. Use this bit switch only when some log reports are necessary.
\end{tabular} \\
\hline 7 & \begin{tabular}{l}
Priority given to various types of remote terminal ID when printing reports \\
0: RTI > CSI > Dial label > Tel. number \\
1: Dial label > Tel. number > RTI \(>\mathrm{CSI}\)
\end{tabular} & \begin{tabular}{l}
This bit determines which set of priorities the machine uses when listing remote terminal names on reports. \\
Dial Label: The name stored, by the user, for the Quick/Speed Dial number.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|}
\hline \multicolumn{3}{|c|}{ System Switch 0A (SP No. 1-101-011) } \\
\hline No & \multicolumn{1}{|c|}{ Function } & \multicolumn{1}{c|}{ Comments } \\
\hline 0 & \begin{tabular}{l} 
Automatic port selection \\
0: Disabled, 1: Enabled
\end{tabular} & \begin{tabular}{l} 
When "1" is selected, a suitable port is \\
automatically selected if the selected port is not \\
used. \\
NOTE: This bit is useful if all communication \\
lines at a customer site are not the same \\
quality
\end{tabular} \\
\hline \(1-3\) & Not used & \begin{tabular}{l} 
Dialing on the ten-key pad when change these settings.
\end{tabular} \\
\hline the external telephone is \\
off-hook \\
0: Disabled 1: Enabled & \begin{tabular}{l} 
0: Prevents dialing from the ten-key pad while \\
the external telephone is off-hook. Use this \\
setting when the external telephone is not by \\
the machine, or if a wireless telephone is \\
connected as an external telephone. \\
1: The user can dial on the machine's ten-key \\
pad when the handset is off-hook.
\end{tabular} \\
\hline 5 & \begin{tabular}{l} 
On hook dial \\
0: Disabled 1: Enabled
\end{tabular} & 0: On hook dial is disabled.
\end{tabular}
\begin{tabular}{|l|l|l|}
\hline \(6-7\) & Not used & Do not change the factory settings \\
\hline
\end{tabular}
\begin{tabular}{|l|}
\hline System Switch 0B - Not used (Do not change the factory settings.) \\
\hline System Switch OC - Not used (Do not change the factory settings.) \\
\hline System Switch OD - Not used (Do not change the factory settings.) \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|}
\hline \multicolumn{3}{|c|}{ System Switch OE (SP No. 1-101-015) } \\
\hline No & \multicolumn{1}{|c|}{ Function } & \multicolumn{1}{c|}{ Comments } \\
\hline \(0-1\) & Not used & \begin{tabular}{l} 
Do not change the settings. \\
\hline Enable/disable for direct \\
sending selection \\
0: Direct sending off sending cannot operate when the \\
capture function is on during sending. Setting \\
this switch to "1" enables direct sending without \\
capture. \\
Setting this switch to "0" masks the direct \\
sending function on the operation panel so \\
direct sending with ScanRouter cannot be \\
selected.
\end{tabular} \\
\hline 3 & \begin{tabular}{l} 
Action when the external \\
handset goes off-hook \\
\(0:\) Manual tx and rx operation \\
1: Memory tx and rx operation \\
(the display remains the same)
\end{tabular} & \begin{tabular}{l} 
0: Manual tx is possible while the external \\
handset is off-hook. However, manual tx during \\
handset off-hook may not be sent to a correct \\
direction. Manual tx is not possible. \\
1: The display stays in standby mode even \\
when the external handset is used, so that \\
other people can use the machine for memory \\
tx operation. Note that manual tx and rx are not \\
possible with this setting.
\end{tabular} \\
\hline \(4-7\) & \begin{tabular}{l} 
Not used
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|}
\hline \multicolumn{3}{|c|}{ System Switch OF (SP No. 1-101-016) } \\
\hline No & \multicolumn{1}{|c|}{ Function } & \multicolumn{1}{c|}{ Comments } \\
\hline \begin{tabular}{l} 
0 \\
to
\end{tabular} & \begin{tabular}{l} 
Country/area code for functional \\
settings (Hex)
\end{tabular} & \begin{tabular}{l} 
This country/area code determines the \\
factory settings of bit switches and RAM
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|l|}
\hline 7 & 00: France & 12: Asia & \begin{tabular}{l} 
addresses. However, it has no effect on \\
the NCU parameter settings and \\
communication parameter RAM \\
addresses.
\end{tabular} \\
\hline 01: Germany & 13: Japan & 14: Hong Kong \\
Cross reference \\
02: UK & NCU country code: \\
\hline 03: Italy & 15: South Africa & \begin{tabular}{l} 
SP No. 2-103-001 for G3-1 \\
SP No. 2-104-001 for G3-2
\end{tabular} \\
\hline 04: Austria & 16: Australia & SP No. 2-105-001 for G3-3
\end{tabular}
\begin{tabular}{|c|c|l|}
\hline \multicolumn{3}{|c|}{ System Switch 10 (SP No. 1-101-017) } \\
\hline No & \multicolumn{1}{|c|}{ Function } & \multicolumn{1}{c|}{ Comments } \\
\hline 0-7 & \begin{tabular}{l} 
Threshold memory level for \\
parallel memory transmission
\end{tabular} & \begin{tabular}{l} 
Threshold \(=\mathrm{N} \times 128 \mathrm{~KB}+256 \mathrm{~KB}\) \\
N can be between 00 \(-\mathrm{FF}(\mathrm{H})\) \\
Default setting: 02(H) \(=512 \mathrm{~KB}\)
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|}
\hline \multicolumn{3}{|c|}{ System Switch 11 (SP No. 1-101-018) } \\
\hline No & \multicolumn{1}{|c|}{ Function } & \multicolumn{1}{c|}{ Comments } \\
\hline 0 & \(\begin{array}{l}\text { TTI printing position } \\
\text { 0: Superimposed on the page } \\
\text { data } \\
\text { 1: Printed before the data } \\
\text { leading edge }\end{array}\) & \(\begin{array}{l}\text { Change this bit to 1 if the TTI overprints } \\
\text { information that the customer considers to be } \\
\text { important (G3 transmissions). } \\
\text { NOTE: If "1" is selected, it is possible that sent } \\
\text { data is printed on two sheets of paper. }\end{array}\) \\
\hline 1-2 & Not used & \(\begin{array}{l}\text { TTI used for broadcasting } \\
\text { 0: The TTIs selected for each } \\
\text { Quick/Speed dial are used } \\
\text { 1: The same TTI is used for all } \\
\text { destinations }\end{array}\) \\
\hline 1: The TTI (TTI_1 or TTI_2) which is selected \\
for all destinations during broadcasting.
\end{tabular}\(\}\)
\begin{tabular}{|l|l|l|}
\hline \multicolumn{2}{|c|}{ System Switch \(\mathbf{1 2}\) (SP No. 1-101-019) } \\
\hline No & \multicolumn{1}{|c|}{ Function } & \multicolumn{1}{c|}{ Comments } \\
\hline \(0-7\) & \begin{tabular}{l} 
TTI printing position in the main \\
scan direction
\end{tabular} & \begin{tabular}{l} 
TTI: 08 to 92 (BCD) mm \\
Input even numbers only. \\
This setting determines the print start position \\
for the TTI from the left edge of the paper. If the \\
TTI is moved too far to the right, it may \\
overwrite the file number which is on the top \\
right of the page. On an A4 page, if the TTI is \\
moved over by more than 50 mm, it may \\
overwrite the page number.
\end{tabular} \\
\hline
\end{tabular}

System Switch 13 - Not used (do not change these settings)
System Switch 14 - Not used (do not change these settings)
\begin{tabular}{|l|l|l|}
\hline \multicolumn{3}{|c|}{ System Switch 15 (SP No. 1-101-022) } \\
\hline No & \multicolumn{1}{|c|}{ Function } & \multicolumn{1}{c|}{ Comments } \\
\hline 0 & Not used & Do not change the settings. \\
\hline \multirow{5}{|l|}{\begin{tabular}{l} 
Going into the Energy Saver \\
mode automatically \\
0: Enabled \\
\(1:\)
\end{tabular}} & \begin{tabular}{l} 
Disabled The machine will restart from the Energy \\
Saver mode quickly, because the +5V power \\
supply is active even in the Energy Saver \\
mode. The LED of the operation switch is \\
flashing instead of entering Energy Saver \\
mode. \\
Use this setting if an external telephone has to
\end{tabular} \\
be used when the machine is in the Energy \\
Saver mode.
\end{tabular}
\begin{tabular}{|l|l|l|}
\hline \multicolumn{2}{|c|}{ System Switch 16 (SP No. 1-101-023) } \\
\hline No & \multicolumn{1}{|c|}{ Function } & \multicolumn{1}{c|}{ Comments } \\
\hline 0 & \begin{tabular}{l} 
Parallel Broadcasting \\
0: Disabled \\
1: Enabled
\end{tabular} & \begin{tabular}{l} 
1: The machine sends messages \\
simultaneously using all available ports during \\
broadcasting. \\
NOTE: If a customer wants to keep a line \\
available for fax reception or other reasons, \\
select "0" (Disable).
\end{tabular} \\
\hline 1 & \begin{tabular}{l} 
Priority setting for the G3 line. \\
0: PSTN-1 > PSTN-2 or 3 \\
\(1: ~ P S T N-2 ~ o r ~ 3 ~>~ P S T N-1 ~\)
\end{tabular} & \begin{tabular}{l} 
This function allows the user to select the \\
default G3 line type. The optional SG3 units are \\
required to use the PSTN-2 or 3 setting.
\end{tabular} \\
\hline 2-7 & \begin{tabular}{l} 
Not used
\end{tabular} & Do not change these settings. \\
\hline
\end{tabular}

System Switch 17 - Not used (do not change these settings)
System Switch 18 - Not used (do not change these settings)
\begin{tabular}{|l|l|l|}
\hline \multicolumn{2}{|c|}{ System Switch 19 (SP No. 1-101-026) } \\
\hline No & \multicolumn{1}{|c|}{ Function } & \multicolumn{1}{c|}{ Comments } \\
\hline \(0-5\) & Not used & Do not change the settings. \\
\hline 6 & \begin{tabular}{l} 
Extended scanner page \\
memory after memory option is \\
installed \\
0: Disabled \\
1: Enabled
\end{tabular} & \begin{tabular}{l} 
0: After installing the memory expansion option, \\
the scanner page memory is extended to 4 MB \\
from 2 MB. \\
1: If this bit is set to 1 after installing the \\
memory expansion option, the scanner page \\
memory is extended to 12 MB. But the SAF \\
memory decreases to 18 MB.
\end{tabular} \\
\hline \(7^{*}\) & \begin{tabular}{l} 
Special Original mode \\
0: Disabled \\
1: Enabled
\end{tabular} & \begin{tabular}{l} 
1: If the customer frequently wishes to transmit \\
a form or letterhead which has a colored or \\
printed background, change this bit to "1". \\
"Original 1" and "Original 2" can be selected in \\
addition to the "Text", "Text/Photo" and "Photo" \\
modes.
\end{tabular} \\
\hline
\end{tabular}
* This setting can be used for the remote machine.
\begin{tabular}{|l|l|l|}
\hline \multicolumn{2}{|c|}{ System Switch 1A (SP No. 1-101-027) } \\
\hline No & \multicolumn{1}{|c|}{ Function } & \multicolumn{1}{|c|}{ Comments } \\
\hline 0 & & \begin{tabular}{l} 
LS RX memory capacity \\
to \\
7
\end{tabular} \\
\begin{tabular}{ll} 
threshold setting value to x4KB. When the amount of \\
00-FF (0-1020 Kbyte: Hex)
\end{tabular} & \begin{tabular}{l} 
available memory drops below this setting, RX \\
documents are printed to conserve memory.
\end{tabular} \\
& & \begin{tabular}{l} 
Initial setting 0x80 (512 KB) \\
NOTE: If a customer wants available memory \\
size to be larger, decrease this threshold
\end{tabular} \\
\hline
\end{tabular}

System Switch 1B - Not used (do not change these settings)
System Switch 1C - Not used (do not change these settings)
\begin{tabular}{|l|l|l|}
\hline \multicolumn{3}{|c|}{ System Switch 1D (SP No. 1-101-030) } \\
\hline No & \multicolumn{1}{|c|}{ Function } & \multicolumn{1}{|c|}{ Comments } \\
\hline 0 & \begin{tabular}{l} 
RTI/CSI/CPS code display \\
0: Enable \\
\(1: ~ D i s a b l e ~\)
\end{tabular} & \begin{tabular}{l} 
0: RTI, CSI, CPS codes are displayed on the \\
top line of the LCD panel during \\
communication. \\
\(1: ~ C o d e s ~ a r e ~ s w i t c h e d ~ o f f ~(n o ~ d i s p l a y) ~\)
\end{tabular} \\
\hline \(1-7\) & Not used & Do not change these settings. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline \multicolumn{3}{|r|}{System Switch 1E (SP No. 1-101-031)} \\
\hline No & Function & Comments \\
\hline 0 & \begin{tabular}{l}
Communication after the \\
Journal data storage area has become full \\
0: Impossible \\
1: Possible
\end{tabular} & \begin{tabular}{l}
0 : When this switch is on and the journal history becomes full, the next report prints. If the journal history is not deleted, the next transmission cannot be received. This prevents overwriting communication records before the machine can print them. \\
1: If the buffer memory of the communication records for the Journal is full, fax communications are still possible. But the machine will overwrite the oldest communication records. \\
Note \\
- This setting is effective only when Automatic Journal printout is enabled but the machine cannot print the report (e.g., no paper).
\end{tabular} \\
\hline 1* & \begin{tabular}{l}
Action when the SAF memory \\
has become full during scanning \\
0 : The current page is erased. \\
1: The entire file is erased.
\end{tabular} & \begin{tabular}{l}
0 : If the SAF memory becomes full during scanning for a memory transmission, the successfully scanned pages are transmitted. \\
1: If the SAF memory becomes full during scanning for a memory transmission, the file is erased and no pages are transmitted. \\
Note \\
- This setting is effective only when Automatic Journal printout is enabled but the machine cannot print the report (e.g., no paper).
\end{tabular} \\
\hline 2 & \begin{tabular}{l}
RTI/CSI display priority \\
0: RTI 1: CSI
\end{tabular} & This bit determines which identifier, RTI or CSI, is displayed on the LCD while the machine is communicating in G3 non-standard mode. \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|}
\hline 3 & \begin{tabular}{l} 
File No. printing \\
0: Enabled \\
1: Disabled
\end{tabular} & \begin{tabular}{l} 
1: File numbers are not printed on any reports. \\
NOTE: The file numbers may not be printed in \\
the sequential order. If a customer does not like \\
this numbering, select "0".
\end{tabular} \\
\hline 4 & \begin{tabular}{l} 
Action when authorized \\
reception is enabled but \\
authorized RTIs/CSIs are not \\
yet programmed \\
0: Faxes can be received if the \\
sender has an RTI or CSI \\
1: All fax reception is disabled
\end{tabular} & \begin{tabular}{l} 
0: If the user has stored no acceptable sender \\
RTIs or CSIs, the user can select "ON" in the \\
authorized reception setting but the setting \\
becomes invalid ("OFF"). The machine will not \\
be able to receive any fax messages. \\
If the customer wishes to receive messages \\
from any sender that includes an RTI or CSI, \\
and to block messages from senders that do \\
not include an RTI or CSI, change this bit to \\
"0", then enable Authorized Reception. \\
Otherwise, keep this bit at "1 (default setting)".
\end{tabular} \\
\hline \(5-7\) & Not used & Do not change the settings \\
\hline
\end{tabular}
* This setting can be used for the remote machine.
\left.\begin{tabular}{|l|l|l|}
\hline \multicolumn{2}{|c|}{ System Switch 1F (SP No. 1-101-032) } \\
\hline No & \multicolumn{1}{|c|}{ Function } & \multicolumn{1}{c|}{ Comments } \\
\hline 0 & Not used & Do not change the settings. \\
\hline Report printout after an original \\
jam during SAF storage or if the \\
SAF memory fills up \\
0: Enabled \\
1: Disabled \\
0: When an original jams, or the SAF memory during scanning, a report will be \\
printed. \\
Change this bit to "1" if the customer does not \\
want to have a report in these cases. \\
Memory tx - Memory storage report \\
Parallel memory tx - Transmission result report
\end{tabular}\(\right\}\)

\subsection*{4.4 BIT SWITCHES - 2}
\(\downarrow\) Note
- Do not adjust a bit switch or use a setting that is described as "Not used", as this may cause the machine to malfunction or to operate in a manner that is not accepted by local regulations. Such bits are for use only in other areas, such as Japan.

Default settings for bit switches are not listed in this manual. Refer to the System Parameter List printed by the machine.

\subsection*{4.4.1 I-FAX SWITCHES}
\begin{tabular}{|c|c|c|}
\hline \multicolumn{3}{|r|}{I-fax Switch 00 (SP No. 1-102-001)} \\
\hline No & Function & Comments \\
\hline \multicolumn{2}{|l|}{Original Width of TX Attachment File} & This setting sets the maximum size of the original that the destination can receive. (Bits 3~7 are reserved for future use or not used.) \\
\hline 0 & A4 & \multirow[t]{5}{*}{} \\
\hline 1 & B4 & \\
\hline 2 & A3 & \\
\hline 3-6 & Reserved & \\
\hline 7 & Not used & \\
\hline \begin{tabular}{l}
0 : Off (not selected), 1: On (selected) \\
If more than one of these three bits is set to "1", the larger size has priority. For example, if both Bit 2 and Bit 1 are set to "1" then the maximum size is "A3" (Bit 2). \\
When mail is sent, there is no negotiation with the receiving machine at the destination, so the sending machine cannot make a selection for the receiving capabilities (original width setting) of the receiving machine. The original width selected with this switch is used as the RX machine's original width setting, and the original is reduced to this size before sending. The default is A4. If the width selected with this switch is higher than the receiving machine can accept, the machine detects this and this causes an error.
\end{tabular} & \multicolumn{2}{|l|}{\begin{tabular}{l}
0 : Off (not selected), 1: On (selected) \\
If more than one of these three bits is set to " 1 ", the larger size has priority. For example, if both Bit 2 and Bit 1 are set to " 1 " then the maximum size is "A3" (Bit 2). \\
When mail is sent, there is no negotiation with the receiving machine at the destination, so the sending machine cannot make a selection for the receiving capabilities (original width setting) of the receiving machine. The original width selected with this switch is used as the RX machine's original width setting, and the original is reduced to this size before sending. The default is A4. If the width selected with this switch is higher than the receiving machine can accept, the machine detects this and this causes an error.
\end{tabular}} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline \multicolumn{3}{|r|}{I-fax Switch 01 (SP No. 1-102-002)} \\
\hline No & Function & Comments \\
\hline \multicolumn{2}{|l|}{\begin{tabular}{l}
Original Line Resolution of TX \\
Attachment File
\end{tabular}} & These settings set the maximum resolution of the original that the destination can receive. \\
\hline 0 & 200x100 Standard & \multirow{7}{*}{\begin{tabular}{l}
0 : Not selected \\
1: Selected \\
If more than one of these three bits is set to "1", the higher resolution has priority. For example, if both Bit 0 and Bit 2 are set to " 1 " Then The Resolution is set for "Bit \(2200 \times 400\).
\end{tabular}} \\
\hline 1 & 200x200 Detail & \\
\hline 2 & 200x400 Fine & \\
\hline 3 & \(300 \times 300\) Reserve & \\
\hline 4 & \(400 \times 400\) Super Fine & \\
\hline 5 & \(600 \times 600\) Reserve & \\
\hline 6 & Reserve & \\
\hline 7 & \multicolumn{2}{|l|}{mm/inch} \\
\hline & \multicolumn{2}{|l|}{\begin{tabular}{l}
This setting selects mm/inch conversion for mail transmission. \\
0: Off (No conversion), 1: On (Conversion) \\
When on (set to "1"), the machine converts millimeters to inches for sending mail. \\
There is no switch for converting inches to millimeters. \\
Unlike G3 fax transmissions which can negotiate between sender and receiver to determine the setting, mail cannot negotiate between terminals; the \(\mathrm{mm} / \mathrm{inch}\) selection is determined by the sender fax. \\
When this switch is Off ( 0 ): \\
- Images scanned in inches are sent in inches. \\
- Images scanned in mm are sent in mm . \\
- Images received in inches are transmitted in inches. \\
- Images received in mm are transmitted in mm . \\
When this switch is On (1): \\
- Images scanned in inches are sent in inches. \\
- Images scanned in mm are converted to inches. \\
- Images received in inches are transmitted in inches. \\
- Images received in mm are converted to inches.
\end{tabular}} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline \multicolumn{3}{|c|}{I-fax Switch 02 (SP No. 1-102-003)} \\
\hline No & Function & Comments \\
\hline \multicolumn{3}{|c|}{RX Text Mail Header Processing} \\
\hline 0 & \multicolumn{2}{|l|}{\begin{tabular}{l}
This setting determines whether the header information is printed with text e-mails when they are received. \\
0 : Prints only text mail. \\
1: Prints mail header information attached to text mail. \\
When a text mail is received with this switch On (1), the "From" address and "Subject" address are printed as header information. \\
When a mail with only binary data is received (a TIFF-F file, for example), this setting is ignored and no header is printed.
\end{tabular}} \\
\hline \multicolumn{3}{|c|}{Output from Attached Document at E-mail TX Erro} \\
\hline 1 & \multicolumn{2}{|l|}{\begin{tabular}{l}
This setting determines whether only the first page or all pages of an e-mail attachment are printed at the sending station when a transmission error occurs. This allows the customer to see which documents have not reached their intended destinations if sent to the wrong e-mail addresses, for example. \\
0 : Prints 1st page only. \\
1: Prints all pages.
\end{tabular}} \\
\hline & \multicolumn{2}{|l|}{Text String for Return Receipt} \\
\hline 2-3 & \multicolumn{2}{|l|}{This setting determines the text string output for the Return Receipt that confirms the transmission was received normally at the destination.} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|}
\hline & \begin{tabular}{l}
00: "Dispatched" \\
Sends from PC mail a request for a Return Receipt. Receives the Return Receipt with "dispatched" in the 2nd part: \\
Disposition: Automatic-action/MDN-send automatically; dispatched \\
The "dispatched" string is included in the Subject string. \\
01: "Displayed" \\
Sends from PC mail a request for a Return Receipt. Receives the Return Receipt with "displayed" in the 2nd part: \\
Disposition: Automatic-action/MDN-send automatically; displayed \\
The "displayed" string is included in the Subject string. \\
10: Reserved \\
11: Reserved \\
A mail requesting a Return Receipt sent from an IFAX with this switch set to "00" (for "dispatched") received by Microsoft Outlook 2000 may cause an error. If any setting other than "displayed" (01) causes a problem, change the setting to " 01 " to enable normal sending of the Return Receipt.
\end{tabular} \\
\hline & Media accept feature \\
\hline 4 & \begin{tabular}{l}
This setting adds or does not add the media accept feature to the answer mail to confirm a reception. \\
0: Does not add the media accept feature to the answer mail \\
1: Adds the media accept feature to the answer mail. \\
Use this bit switch if a problem occurs when the machine receives an answer mail, which contains the media accept feature field.
\end{tabular} \\
\hline 5-6 & Not Used \\
\hline & Image Resolution of RX Text Mail \\
\hline 7 & \begin{tabular}{l}
This setting determines the image resolution of the received mail.
\[
\begin{array}{|l|l}
\hline \text { 0: } 200 \times 200 \\
\text { 1: } 400 \times 400
\end{array}
\] \\
The "1" setting requires installation of the Memory Unit in order to have enough SAF (Store and Forward) memory to receive images at \(400 \times 400\) resolution.
\end{tabular} \\
\hline
\end{tabular}

I-fax Switch 03 - Not used (do not change these settings)
\begin{tabular}{|c|c|}
\hline \multicolumn{2}{|r|}{I-fax Switch 04 (SP No. 1-102-005)} \\
\hline No & Function Comments \\
\hline & Subject for Delivery TX/Memory Transfer \\
\hline 0 & \begin{tabular}{l}
This setting determines whether the RTI/CSI registered on this machine or the \\
RTI/CSI of the originator is used in the subject lines of transferred documents. \\
0: Puts the RTI/CSI of the originator in the Subject line. If this is used, either the \\
RTI or CSI is used. Only one of these can be received for use in the subject line. \\
1: Puts the RTI/CSI registered on this machine in the Subject line. \\
When this switch is used to transfer and deliver mail to a PC, the information in the Subject line that indicates where the transmission originated can be used to determine automatically the destination folder for each e-mail.
\end{tabular} \\
\hline 1 & \begin{tabular}{l}
Subject corresponding to mail post database \\
0 : Standard subject \\
1: Mail post database subject \\
The standard subject is replaced by the mail post database subject in the following three cases: \\
1) When the service technician sets the service (software) switch. \\
2) When memory sending or delivery specified by F code is applied by the SMTP server \\
3) With relay broadcasting (1st stage without the Schmidt 4 function). \\
Note \\
- This switch does not apply for condition 3) when the RX system is set up for memory sending, delivery by F-code, sending with SMTP RX and when operators are using FOL (to prevent problems when receiving transmissions).
\end{tabular} \\
\hline 2-7 & Not Used \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|}
\hline \multicolumn{2}{|c|}{ I-fax Switch 05 (SP No. 1-102-006) } \\
\hline No & \multicolumn{1}{|c|}{ Function } & \multicolumn{1}{|c|}{ Comments } \\
\hline \multirow{4}{*}{0} & Mail Addresses of SMTP Broadcast Recipients \\
\cline { 2 - 4 } & \begin{tabular}{l} 
Determines whether the e-mail addresses of the destinations that receive \\
transmissions broadcasted using SMTP protocol are recorded in the Journal. \\
For example: \\
"1st destination + Total number of destinations: 9" in the Journal indicates a \\
broadcast to 9 destinations. \\
0: Not recorded \\
1: Recorded
\end{tabular} \\
\hline 1 & \begin{tabular}{l} 
IFAXTX Retries
\end{tabular} \\
\cline { 2 - 3 } & \begin{tabular}{l} 
Determines whether the machine retries sending IFAX when connection and \\
transmission fails due to errors. \\
0: Disabled \\
1: Enabled
\end{tabular} \\
\hline \(2-7\) & \begin{tabular}{l} 
Not Used
\end{tabular} \\
\hline
\end{tabular}

I-fax Switch 06 - Not used (do not change the settings)
I-fax Switch 07 - Not used (do not change the settings)
\begin{tabular}{|c|l|l|}
\hline \multicolumn{2}{|c|}{ I-fax Switch 08 (SP No. 1-102-009) } \\
\hline No & \multicolumn{1}{|c|}{ Function } & \multicolumn{1}{c|}{ Comments } \\
\hline \multirow{3}{*}{\(0-7\)} & \begin{tabular}{l} 
Memory Threshold for POP Mail Reception \\
This setting determines the amount of SAF (Store and Forward) memory. (SAF \\
stores fax messages to send later for transmission to more than one location, and \\
also holds incoming messages if they cannot be printed.) When the amount of \\
SAF memory available falls below this setting, mail can no longer be received; \\
received mail is then stored on the mail server. \\
00-FF (0 to 1024 KB: HEX) \\
The hexadecimal number you enter is multiplied by 4 KB to determine the amount \\
of memory.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|l|l|}
\hline \multicolumn{2}{|c|}{ I-fax Switch 09 (SP No. 1-102-010) } \\
\hline No & \multicolumn{1}{|c|}{ Function } & \multicolumn{1}{|c|}{ Comments } \\
\hline \(0-3\) & Not used & Do not change the settings \\
\hline \(4-7\) & Restrict TX Retries & \begin{tabular}{l} 
This setting determines the number of retries \\
when connection and transmission fails due to \\
errors. \\
01-F (1-15 Hex)
\end{tabular} \\
\hline
\end{tabular}

I-fax Switch 0A - Not used (do not change the settings)
I-fax Switch OB - Not used (do not change the settings)
I-fax Switch OC - Not used (do not change the settings)
\begin{tabular}{|c|c|c|c|c|}
\hline \multicolumn{5}{|r|}{I-fax Switch OD (SP No. 1-102-014)} \\
\hline No & \multicolumn{3}{|c|}{Function} & Comments \\
\hline 0-1 & \multicolumn{3}{|l|}{Not used} & Do not change the settings \\
\hline \multirow{6}{*}{2-3} & \multicolumn{3}{|l|}{Select the signature when sending mail notification of the send results} & \multirow{6}{*}{In response to IEEE2600.1.} \\
\hline & Bit 2 & Bit 3 & Setting & \\
\hline & 0 & 0 & No sign & \\
\hline & 0 & 1 & No setting & \\
\hline & 1 & 0 & Individual setting & \\
\hline & 1 & 1 & Always sign & \\
\hline 4-5 & \multicolumn{3}{|l|}{Select the signature when sending mail.} & \multirow{6}{*}{In response to IEEE2600.1.} \\
\hline \multirow[t]{5}{*}{} & Bit 5 & Bit 4 & Setting & \\
\hline & 0 & 0 & No sign & \\
\hline & 0 & 1 & No setting & \\
\hline & 1 & 0 & Individual setting & \\
\hline & 1 & 1 & Always sign & \\
\hline 6-7 & \multicolumn{3}{|l|}{Not used} & Do not change the settings. \\
\hline
\end{tabular}

I-fax Switch OE - Not used (do not change the settings)
\begin{tabular}{|l|l|l|}
\hline \multicolumn{2}{|c|}{ I-fax Switch OF (SP No. 1-102-016) } \\
\hline No & \multicolumn{1}{|c|}{ Function } & \multicolumn{1}{c|}{ Comments } \\
\hline \multirow{4}{*}{0} & Delivery Method for SMTP RX Files \\
\cline { 2 - 4 } & \begin{tabular}{l} 
This setting determines whether files received with SMTP protocol are delivered \\
or output immediately. \\
0: Off. Files received via SMTP are output immediately without delivery. \\
1: On. Files received via SMTP are delivered immediately to their destinations.
\end{tabular} \\
\hline \multirow{3}{*}{1} & \begin{tabular}{l} 
Set to select the signature when receiving SMTP mail.
\end{tabular} \\
\cline { 2 - 4 } & \begin{tabular}{l} 
0: No sign \\
1: Always sign
\end{tabular} \\
\hline 2 & Set to encrypt the data when receiving SMTP mail. \\
\hline & \begin{tabular}{l} 
0: No encryption \\
1: Encryption
\end{tabular} \\
\hline \(3-7\) & Not used \\
\hline
\end{tabular}

\subsection*{4.4.2 PRINTER SWITCHES}
\begin{tabular}{|c|c|c|}
\hline \multicolumn{3}{|r|}{Printer Switch 00 (SP No. 1-103-001)} \\
\hline No & Function & Comments \\
\hline 0 & Select page separation marks
0: Off
1: On & \begin{tabular}{l}
0 : If a 2 page \(R X\) transmission is split, [*] is printed in the bottom right corner of the 1st page and only a [2] is printed in the upper right corner of the 2nd page. \\
1: If a 2 page \(R X\) transmission is split into two pages, for example, [*] [2] is printed in the bottom right corner of the 1st page and only a [2] is printed in the upper right corner of the 2nd page. \\
Note \\
- This helps the user to identify pages that have been split because the size of the paper is smaller than the size of the document received. (When A5 is used to print an A4 size document, for example.)
\end{tabular} \\
\hline 1 & \begin{tabular}{l}
Repetition of data when the received page is longer than the printer paper \\
0: Off \\
1: On
\end{tabular} & \begin{tabular}{l}
1: Default. 10 mm of the trailing edge of the previous page are repeated at the top of the next page. \\
0 : The next page continues from where the previous page stopped without any repeated text.
\end{tabular} \\
\hline 2 & \begin{tabular}{l}
Prints the date and time on received fax messages \\
0: Disabled \\
1: Enabled
\end{tabular} & \begin{tabular}{l}
This switch is only effective when user parameter 02 - bit 2 (printing the received date and time on received fax messages) is enabled. \\
1: The machine prints the received and printed date and time at the bottom of each received page.
\end{tabular} \\
\hline 3-7 & Not used & Do not change the settings. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|}
\hline \multicolumn{5}{|r|}{Printer Switch 01 (SP No. 1-103-002)} \\
\hline No & \multicolumn{3}{|c|}{Function} & Comments \\
\hline 0-2 & \multicolumn{3}{|l|}{Not used} & Do not change the settings. \\
\hline \multirow{6}{*}{3-4} & \multicolumn{3}{|l|}{Maximum print width used in the setup protocol} & \multirow{6}{*}{These bits are only effective when bit 7 of printer switch 01 is "1".} \\
\hline & Bit 4 & Bit 3 & Setting & \\
\hline & 0 & 0 & Not used & \\
\hline & 0 & 1 & A3 & \\
\hline & 1 & 0 & B4 & \\
\hline & 1 & 1 & A4 & \\
\hline 5-6 & \multicolumn{3}{|l|}{Not used} & Do not change the settings. \\
\hline 7 & \multicolumn{4}{|l|}{\begin{tabular}{l|l} 
& \begin{tabular}{l}
\(0:\) The machine informs the transmitting \\
machine of the print width depending on the
\end{tabular} \\
Received message width & \begin{tabular}{l} 
paper size available from the paper feed \\
restriction in the protocol signal \\
stations. \\
to the sender \\
O: Disabled to the table on the next page for how the \\
1: Enabled \\
machine chooses the paper width used in the \\
setup protocol (NSF/DIS). \\
\(1:\) The machine informs the transmitting \\
machine of the fixed paper width which is \\
specified by bits 3 and 4 above.
\end{tabular}
\end{tabular}} \\
\hline
\end{tabular}

Relationship between available paper sizes and printer width used in the setup protocol
\begin{tabular}{|l|l|}
\hline \multicolumn{1}{|c|}{ Available Paper Size } & \multicolumn{1}{c|}{ Printer width used in the Protocol (NSF/DIS) } \\
\hline A4 or \(8.5^{\prime \prime} \times 11^{\prime \prime}\) & 297 mm width \\
\hline B5 & 256 mm width \\
\hline A5 or \(8.5^{\prime \prime} \times 5.5^{\prime \prime}\) & 216 mm width \\
\hline No paper available (Paper end) & 216 mm width \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline \multicolumn{3}{|r|}{Printer Switch 02 (SP No. 1-103-003)} \\
\hline No & Function & Comments \\
\hline 0* & \begin{tabular}{l}
1st paper feed station usage for fax printing \\
0: Enabled \\
1: Disabled
\end{tabular} & \multirow{5}{*}{\begin{tabular}{l}
0 : The paper feed station can be used to print fax messages and reports. \\
1: The specified paper feed station will not be used for printing fax messages and reports. \\
Note \\
- Do not disable usage for a paper feed station which has been specified by User Parameter Switch OF (15), or which is used for the Specified Cassette Selection feature.
\end{tabular}} \\
\hline 1* & \begin{tabular}{l}
2nd paper feed station usage for fax printing \\
0: Enabled \\
1: Disabled
\end{tabular} & \\
\hline 2* & \begin{tabular}{l}
3rd paper feed station usage for fax printing \\
0: Enabled \\
1: Disabled
\end{tabular} & \\
\hline 3* & \begin{tabular}{l}
4th paper feed station usage for fax printing \\
0: Enabled \\
1: Disabled
\end{tabular} & \\
\hline 4* & \begin{tabular}{l}
LCT usage for fax printing \\
0: Enabled \\
1: Disabled
\end{tabular} & \\
\hline 5-7 & Not used & Do not change the settings. \\
\hline
\end{tabular}
* This setting can be used for the remote machine.
\begin{tabular}{|c|c|c|}
\hline \multicolumn{3}{|r|}{Printer Switch 03 (SP No. 1-103-004)} \\
\hline No & Function & Comments \\
\hline 0* & \begin{tabular}{l}
Length reduction of received data \\
0: Disabled \\
1: Enabled
\end{tabular} & \begin{tabular}{l}
0 : Incoming pages are printed without length reduction. \\
(Page separation threshold: Printer Switch 03, bits 4 to 7 ) \\
1: Incoming page length is reduced when printing. \\
(Maximum reducible length: Printer Switches 04, bits 0 to 4)
\end{tabular} \\
\hline 1-3 & Not used & Do not change the settings \\
\hline \[
\begin{aligned}
& 4 \\
& \text { to } \\
& 7
\end{aligned}
\] & Page separation setting when sub scan compression is forbidden 00-0F (0-15 mm: Hex) Default: 6 mm & \begin{tabular}{l}
Page separation threshold (with reduction disabled with switch 03-0 above). \\
For example, if this setting is set to "10", and A4 is the selected paper size: \\
If the received document is 10 mm or less longer than A4, then the 10 mm are cut and only 1 page prints. \\
If the received document is 10 mm longer than A4, then the document is split into 2 pages.
\end{tabular} \\
\hline
\end{tabular}
* This setting can be used for the remote machine.
\begin{tabular}{|c|c|c|c|c|c|c|}
\hline \multicolumn{7}{|c|}{Printer Switch 04 (SP No. 1-103-005)} \\
\hline No & \multicolumn{3}{|c|}{Function} & \multicolumn{3}{|c|}{Comments} \\
\hline \multirow{4}{*}{0
to
4} & \multicolumn{6}{|l|}{\begin{tabular}{l}
Maximum reducible length when length reduction is enabled with switch 03-0 above. \\
[Maximum reducible length] \(=\) [Paper length \(]+(N \times 5 \mathrm{~mm})\) \\
" N " is the decimal value of the binary setting of bits 0 to 4 .
\end{tabular}} \\
\hline & Bit 4 & Bit 3 & Bit 2 & Bit 1 & Bit 0 & Setting \\
\hline & 0 & 0 & 0 & 0 & 0 & 0 mm \\
\hline & 0 & 0 & 0 & 0 & 1 & 5 mm \\
\hline D163 & & & & & & \\
\hline
\end{tabular}


Printer Switch 05 - Not used (do not change the settings)

Printer Switch 06 (SP No. 1-103-007)
\begin{tabular}{|l|l|l|}
\hline No & \multicolumn{1}{|c|}{ Function } & \multicolumn{1}{c|}{ Comments } \\
\hline 0* & \begin{tabular}{l} 
Printing while a paper cassette \\
is pulled out, when the Just Size \\
Printing feature is enabled. \\
0: Printing will not start \\
1: Printing will start if another \\
cassette has a suitable size of \\
paper, based on the paper size \\
selection priority tables.
\end{tabular} & \begin{tabular}{l} 
Cross reference \\
Just size printing on/off - User switch 05, bit 5
\end{tabular} \\
\hline 1-7 & Not used. & Do not change the settings. \\
\hline
\end{tabular}

\footnotetext{
* This setting can be used for the remote machine.
}
\begin{tabular}{|c|l|l|}
\hline \multicolumn{3}{|c|}{ Printer Switch 07 (SP No. 1-103-008) } \\
\hline No & \multicolumn{1}{|c|}{ Function } & \multicolumn{1}{c|}{ Comments } \\
\hline \(0-3\) & Not used. & Do not change the settings. \\
\hline 4 & \begin{tabular}{l} 
List of destinations in the \\
Communication Failure Report \\
for broadcasting \\
0: All destinations \\
1: Only destinations where \\
communication failure occurred
\end{tabular} & \begin{tabular}{l} 
1: Only destinations where communication \\
failure occurred are printed on the \\
Communication Failure Report.
\end{tabular} \\
\hline \(5-7\) & Not used. & Do not change the settings. \\
\hline
\end{tabular}
\begin{tabular}{|l|}
\hline Printer Switch 08 - Not used (do not change the settings) \\
\hline Printer Switch 09 - Not used (do not change the settings) \\
\hline Printer Switch 0A - Not used (do not change the settings) \\
\hline Printer Switch 0B - Not used (do not change the settings) \\
\hline Printer Switch 0C - Not used (do not change the settings) \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline \multicolumn{3}{|c|}{Printer Switch 0E (SP No. 1-103-015)} \\
\hline No & Function & Comments \\
\hline 0* & \begin{tabular}{l}
Paper size selection priority \\
0 : Width \\
1: Length
\end{tabular} & \begin{tabular}{l}
0 : A paper size that has the same width as the received data is selected first. \\
1: A paper size which has enough length to print all the received lines without reduction is selected first.
\end{tabular} \\
\hline 1* & Paper size selected for printing A4 width fax data
\[
\begin{aligned}
& 0: 8.5^{\prime \prime} \times 11^{\prime \prime} \text { size } \\
& 1: \text { A4 size }
\end{aligned}
\] & This switch determines which paper size is selected for printing A4 width fax data, when the machine has both A4 and \(8.5^{\prime \prime} \mathrm{x}\) 11" size paper. \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|l|}
\hline \multirow{4}{*}{2} & \multicolumn{2}{|c|}{\begin{tabular}{l} 
Page separation \\
0: Enabled \\
1: Disabled
\end{tabular}} & \begin{tabular}{l} 
1: If all paper sizes in the machine require \\
page separation to print a received fax \\
message, the machine does not print the \\
message (Substitute Reception is used). \\
After a larger size of paper is set in a \\
cassette, the machine automatically \\
prints the fax message.
\end{tabular} \\
\hline \(3-4\) & Printing the sample image on reports
\end{tabular}
* This setting can be used for the remote machine.
\begin{tabular}{|c|c|c|c|c|}
\hline \multicolumn{5}{|c|}{Printer Switch OF (SP No. 1-103-016)} \\
\hline No & \multicolumn{3}{|c|}{Function} & Comments \\
\hline \multirow{6}{*}{0-1*} & \multicolumn{3}{|l|}{Smoothing feature} & \multirow{6}{*}{\((0,0)(0,1)\) : Disable smoothing if the machine receives halftone images from other manufacturers fax machines frequently.} \\
\hline & Bit 1 & Bit 0 & Setting & \\
\hline & 0 & 0 & Disabled & \\
\hline & 0 & 1 & Disabled & \\
\hline & 1 & 0 & Enabled & \\
\hline & 1 & 1 & Not used & \\
\hline 2* & \multicolumn{3}{|l|}{\begin{tabular}{l}
Duplex printing \\
0: Disabled \\
1: Enabled
\end{tabular}} & 1: The machine always prints received fax messages in duplex printing mode: \\
\hline 3 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Binding direction for Duplex printing \\
0 : Left binding \\
1: Top binding
\end{tabular}} & \begin{tabular}{l}
0 : Sets the binding for the left edge of the stack. \\
1: Sets the binding for the top of the stack.
\end{tabular} \\
\hline 4-7 & \multicolumn{3}{|l|}{Not used} & Do not change the settings. \\
\hline
\end{tabular}
* This setting can be used for the remote machine.

\subsection*{4.5 BIT SWITCHES - 3}
\(\downarrow\) Note
- Do not adjust a bit switch or use a setting that is described as "Not used", as this may cause the machine to malfunction or to operate in a manner that is not accepted by local regulations. Such bits are for use only in other areas, such as Japan.

Default settings for bit switches are not listed in this manual. Refer to the System Parameter List printed by the machine.

\subsection*{4.5.1 COMMUNICATION SWITCHES}
\begin{tabular}{|c|c|c|c|c|}
\hline \multicolumn{5}{|c|}{Communication Switch 00 (SP No. 1-104-001)} \\
\hline No & \multicolumn{3}{|r|}{Function} & Comments \\
\hline \multirow{6}{*}{0-1} & \multicolumn{3}{|l|}{Compression modes available in receive mode} & \multirow{6}{*}{These bits determine the compression capabilities to be declared in phase \(B\) (handshaking) of the T. 30 protocol.} \\
\hline & Bit 1 & Bit 0 & Modes & \\
\hline & 0 & 0 & MH only & \\
\hline & 0 & 1 & MH/MR & \\
\hline & 1 & 0 & MH/MR/MMR & \\
\hline & 1 & 1 & MH/MR/MMR/JBIG & \\
\hline \multirow{6}{*}{2-3} & \multicolumn{3}{|l|}{Compression modes available in transmit mode} & \multirow{6}{*}{These bits determine the compression capabilities to be used in the transmission and to be declared in phase B (handshaking) of the T. 30 protocol.} \\
\hline & Bit 3 & Bit 2 & Modes & \\
\hline & 0 & 0 & MH only & \\
\hline & 0 & 1 & MH/MR & \\
\hline & 1 & 0 & MH/MR/MMR & \\
\hline & 1 & 1 & MH/MR/MMR/JBIG & \\
\hline 4 & \multicolumn{3}{|l|}{Not used} & Do not change the settings. \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|}
\hline 5 & \begin{tabular}{l} 
JBIG compression method: Reception \\
0: Only basic supported \\
1: Basic and optional both supported
\end{tabular} & \begin{tabular}{l} 
Change the setting when \\
communication problems occur \\
using JBIG compression.
\end{tabular} \\
\hline 6 & \begin{tabular}{l} 
JBIG compression method: Transmission \\
0: Basic mode priority \\
1: Optional mode priority
\end{tabular} & \begin{tabular}{l} 
Change the setting when \\
communication problems occur \\
using JBIG compression.
\end{tabular} \\
\hline 7 & \begin{tabular}{l} 
Closed network (reception) \\
0: Disabled \\
1: Enabled
\end{tabular} & \begin{tabular}{l} 
1: Reception will not go ahead if the \\
polling ID code of the remote \\
terminal does not match the polling \\
ID code of the local terminal. This \\
function is only available in
\end{tabular} \\
NSF/NSS mode.
\end{tabular}
\begin{tabular}{|c|c|c|c|c|}
\hline \multicolumn{5}{|r|}{Communication Switch 01 (SP No. 1-104-002)} \\
\hline No & \multicolumn{3}{|c|}{Function} & Comments \\
\hline 0 & \multicolumn{3}{|l|}{\begin{tabular}{l}
ECM \\
0 : Off 1: On
\end{tabular}} & \begin{tabular}{l}
If this bit is set to \(0, E C M\) is switched off for all communications. \\
In addition, V. 8 protocol and JBIG compression are switched off automatically.
\end{tabular} \\
\hline 1 & \multicolumn{3}{|l|}{Not used} & Do not change the setting. \\
\hline \multirow{6}{*}{2-3} & \multicolumn{3}{|l|}{Wrong connection prevention method} & \multirow[t]{6}{*}{\begin{tabular}{l}
\((0,1)\) : The machine will disconnect the line without sending a fax message, if the last 8 digits of the received CSI do not match the last 8 digits of the dialed telephone number. This does not work when manually dialed. \\
( 1,0 ): The same as above, except that only the last 4 digits are compared. \\
\((1,1)\) : The machine will disconnect the line without sending a fax message, if the other end
\end{tabular}} \\
\hline & Bit 3 & Bit 2 & Setting & \\
\hline & 0 & 0 & None & \\
\hline & 0 & 1 & 8 digit CSI & \\
\hline & 1 & 0 & 4 digit CSI & \\
\hline & 1 & 1 & CSI/RTI & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|}
\hline & & & & \begin{tabular}{l}
does not identify itself with an RTI or CSI. \((0,0)\) : Nothing is checked; transmission will always go ahead. \\
Note \\
- This function does not work when dialing is done from the external telephone.
\end{tabular} \\
\hline 4-5 & \multicolumn{3}{|l|}{Not used} & Do not change the setting. \\
\hline \multirow{6}{*}{6-7} & \multicolumn{3}{|l|}{Maximum printable page length available} & \multirow{6}{*}{The setting determined by these bits is informed to the transmitting terminal in the pre-message protocol exchange (in the DIS/NSF frames).} \\
\hline & Bit 7 & Bit 6 & Setting & \\
\hline & 0 & 0 & No limit & \\
\hline & 0 & 1 & B4 ( 364 mm ) & \\
\hline & 1 & 0 & A4 (297 mm) & \\
\hline & 1 & 1 & Not used & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \multicolumn{4}{|c|}{Communication Switch 02 (SP No. 1-104-003)} \\
\hline No & Function & & Comments \\
\hline \multirow{5}{*}{0} & \multirow{5}{*}{\begin{tabular}{l}
G3 Burst error threshold \\
0: Low 1: High
\end{tabular}} & \multicolumn{2}{|l|}{If there are more consecutive error lines in the received page than the threshold, the machine will send a negative response. The Low and High threshold values depend on the sub-scan resolution, and are as follows.} \\
\hline & & 100 dpi & 6(L) \(\rightarrow\) 12( H ) \\
\hline & & 200 dpi & 12(L) \(\rightarrow\) 24(H) \\
\hline & & 300 dpi & 18(L) \(\rightarrow 36\) (H) \\
\hline & & 400 dpi & 24(L) \(\rightarrow\) 48(H) \\
\hline 1 & Acceptable total error line ratio
0: 5\% 1: 10\% & \multicolumn{2}{|l|}{If the error line ratio for a page exceeds the acceptable ratio, RTN will be sent to the other end.} \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|}
\hline 2 & \begin{tabular}{l} 
Treatment of pages received with \\
errors during G3 reception \\
0: Deleted from memory without \\
printing \\
1: Printed
\end{tabular} & \begin{tabular}{l} 
0: Pages received with errors are not \\
printed.
\end{tabular} \\
\hline 3 & \begin{tabular}{l} 
Hang-up decision when a negative \\
code (RTN or PIN) is received \\
during G3 immediate transmission \\
0: No hang-up, 1: Hang-up
\end{tabular} & \begin{tabular}{l} 
0: The next page will be sent even if RTN \\
or PIN is received. \\
1: The machine will send DCN and hang up \\
if it receives RTN or PIN. \\
This bit is ignored for memory \\
transmissions or if ECM is being used.
\end{tabular} \\
\hline \(4-7\) & Not used & Do not change the settings.
\end{tabular}
\begin{tabular}{|c|l|l|}
\hline \multicolumn{3}{|c|}{ Communication Switch 03 (SP No. 1-104-004) } \\
\hline No & \multicolumn{1}{|c|}{ Function } & \multicolumn{1}{|c|}{ Comments } \\
\hline 0-7 & \begin{tabular}{l} 
Maximum number of page \\
retransmissions in a G3 \\
memory transmission
\end{tabular} & \begin{tabular}{l} 
00 - FF (Hex) times. \\
This setting is not used if ECM is switched on. \\
Default setting - 03(H)
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|}
\hline \multicolumn{3}{|c|}{ Communication Switch 04 (SP No. 1-104-005) } \\
\hline No & \multicolumn{1}{|c|}{ Function } & \multicolumn{1}{c|}{ Comments } \\
\hline 0 & \begin{tabular}{l} 
Remote mode switch (TEL mode) \\
0: Disable \\
1: Enable (Active)
\end{tabular} & \begin{tabular}{l} 
Set this bit to ON when you wish to switch \\
TEL mode to FAX mode remotely.
\end{tabular} \\
\hline 1 & \begin{tabular}{l} 
Remote mode switch (FAX mode) \\
0: Disable \\
1: Enable (Active)
\end{tabular} & \begin{tabular}{l} 
Set this bit to ON when you wish to turn on \\
the remote mode switch after automatic \\
reception with FAX mode.
\end{tabular} \\
\hline 2 & \begin{tabular}{l} 
Remote mode switch (AUTO mode) \\
0: Disable \\
1: Enable (Active)
\end{tabular} & \begin{tabular}{l} 
Set this bit to ON when you wish to turn on \\
the remote mode switch after automatic \\
reception with AUTO mode.
\end{tabular} \\
\hline 3-7 & Not used & Do not change the settings.
\end{tabular}
\begin{tabular}{|c|l|l|}
\hline \multicolumn{3}{|c|}{ Communication Switch 05 (SP No. 1-104-006) } \\
\hline No & \multicolumn{1}{|c|}{ Function } & \multicolumn{1}{c|}{ Comments } \\
\hline \(0-3\) & \begin{tabular}{l} 
Remote mode switch number \\
\(00-09(0-9: H E X)\)
\end{tabular} & \begin{tabular}{l} 
Enter the number to switch between \\
TEL/FAX modes using the external phone.
\end{tabular} \\
\hline \(4-7\) & Not used & Do not change the settings. \\
\hline
\end{tabular}

Communication Switch 06 - Not used (do not change the settings)
Communication Switch 07 - Not used (do not change the settings)
Communication Switch 08 - Not used (do not change the settings)
\begin{tabular}{|c|l|l|}
\hline \multicolumn{3}{|c|}{ Communication Switch 09 (SP No. 1-104-009) } \\
\hline No & \multicolumn{1}{|c|}{ Function } & \multicolumn{1}{c|}{ Comments } \\
\hline \(0-7\) & \begin{tabular}{l} 
Minimum interval between \\
automatic dialing attempts
\end{tabular} & \begin{tabular}{l} 
This value is the minimum time that the \\
machine waits before it dials the next \\
destination.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|}
\hline \multicolumn{3}{|c|}{ Communication Switch 0A (SP No. 1-104-011) } \\
\hline No & \multicolumn{1}{|c|}{ Function } & \multicolumn{1}{c|}{ Comments } \\
\hline 0 & \begin{tabular}{l} 
Point of resumption of memory \\
transmission upon redialing \\
0: From the error page \\
1: From page 1
\end{tabular} & \begin{tabular}{l} 
0: The transmission begins from the page \\
where transmission failed the previous time. \\
1: Transmission begins from the first page, \\
using normal memory transmission.
\end{tabular} \\
\hline \(1-7\) & Not used & Do not change the settings. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline \multicolumn{3}{|c|}{ Communication Switch OB (SP No. 1-104-012) } \\
\hline No & \multicolumn{1}{|c|}{ Function } & \multicolumn{1}{c|}{ Comments } \\
\hline \(0-2\) & Not used & Do not change the settings. \\
\hline
\end{tabular}
\(\left.\begin{array}{|l|l|l|}\hline 3 & & \begin{array}{l}\text { 0: When acting as a Transfer Station, the } \\ \text { machine will always send a Transfer Result } \\ \text { Result Report transmission } \\ \text { 0: Always transmitted } \\ \text { 1: Only transmitted if there was } \\ \text { an error }\end{array}\end{array} \begin{array}{l}\text { Report back to the Requesting Station after } \\ \text { completing the Transfer Request, even if there } \\ \text { were no problems. } \\ \text { 1: The machine will only send back a Transfer } \\ \text { Result Report if there were errors during } \\ \text { communication, meaning one or more of the } \\ \text { End Receivers could not be contacted. }\end{array}\right\}\)

Communication Switch 0C - Not used (do not change the settings)
\begin{tabular}{|l|l|l|}
\hline \multicolumn{3}{|c|}{ Communication Switch OD (SP No. 1-104-014) } \\
\hline No & \multicolumn{1}{|c|}{ Function } & \multicolumn{1}{c|}{ Comments } \\
\hline \multirow{3}{|c|}{\begin{tabular}{l} 
0-7 \\
The available memory \\
threshold, below which ringing \\
detection (and therefore \\
reception into memory) is \\
disabled
\end{tabular}} & \begin{tabular}{l} 
00 to FF (Hex), unit \(=4\) kbytes \\
(e.g., 06(H) \(=24\) kbytes) \\
One page is about 24 kbytes. \\
The machine refers to this setting before each fax \\
reception. If the amount of remaining memory is \\
below this threshold, the machine cannot receive \\
any fax messages. \\
If this setting is kept at 0, the machine will detect \\
ringing signals and go into receive mode even if \\
there is no memory available. This will result in \\
communication failure.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|l|l|}
\hline \multicolumn{3}{|c|}{ Communication Switch OE (SP No. 1-104-015) } \\
\hline No & \multicolumn{1}{|c|}{ Function } & \multicolumn{1}{|c|}{ Comments } \\
\hline \(0-7\) & \begin{tabular}{l} 
Minimum interval between \\
automatic dialing attempts
\end{tabular} & \begin{tabular}{l} 
06 to FF (Hex), unit \(=2 \mathrm{~s}\) \\
(e.g., 06(H) \(=12 \mathrm{~s})\) \\
This value is the minimum time that the machine \\
waits before it dials the next destination.
\end{tabular} \\
\hline
\end{tabular}

Communication Switch 0F - Not used (do not change the settings.)
\begin{tabular}{|l|l|l|}
\hline \multicolumn{3}{|c|}{ Communication Switch 10 (SP No. 1-104-017) } \\
\hline No & \multicolumn{1}{|c|}{ Function } & \multicolumn{1}{c|}{ Comments } \\
\hline 0-7 & \begin{tabular}{l} 
Memory transmission: \\
Maximum number of dialing \\
attempts to the same \\
destination
\end{tabular} & 01-FE (Hex) times \\
\hline
\end{tabular}

Communication Switch 11 - Not used (do not change the settings.)
\begin{tabular}{|l|l|c|}
\hline \multicolumn{3}{|c|}{ Communication Switch 12 (SP No. 1-104-019) } \\
\hline No & \multicolumn{1}{|c|}{ Function } & \multicolumn{1}{c|}{ Comments } \\
\hline 0-7 & \begin{tabular}{l} 
Memory transmission: Interval \\
between dialing attempts to the \\
same destination
\end{tabular} & 01 - FF (Hex) minutes \\
\hline
\end{tabular}

Communication Switch 13 - Not used (do not change the settings.)
\begin{tabular}{|c|c|c|c|c|}
\hline \multicolumn{5}{|r|}{Communication Switch 14 (SP No. 1-104-021)} \\
\hline No & \multicolumn{3}{|r|}{Function} & Comments \\
\hline 0 & \multicolumn{3}{|l|}{Inch-to-mm conversion during transmission 0 : Disabled, 1: Enabled} & \begin{tabular}{l}
0: In immediate transmission, data \\
scanned in inch format are transmitted without conversion. \\
In memory transmission, data stored in the SAF memory in mm format are transmitted without conversion. \\
Note: When storing the scanned data into SAF memory, the fax unit always converts the data into mm format. \\
1: The machine converts the scanned data or stored data in the SAF memory to the format which was specified in the set-up protocol (DIS/NSF) before transmission.
\end{tabular} \\
\hline 1-5 & \multicolumn{3}{|l|}{Not used} & Do not change the factory settings. \\
\hline \multirow{6}{*}{6-7} & \multicolumn{3}{|l|}{Available unit of resolution in which fax messages are received} & \multirow{6}{*}{\begin{tabular}{l}
For the best performance, do not change the factory settings. \\
The setting determined by these bits is informed to the transmitting terminal in the pre-message protocol exchange (in the DIS/NSF frames).
\end{tabular}} \\
\hline & Bit 7 & Bit 6 & Unit & \\
\hline & 0 & 0 & mm & \\
\hline & 0 & 1 & inch & \\
\hline & 1 & 0 & mm and inch & \\
\hline & 1 & 1 & Not used & \\
\hline
\end{tabular}

Communication Switch 15 - Not used (do not change the settings)
\begin{tabular}{|l|l|l|}
\hline \multicolumn{3}{|c|}{ Communication Switch 16 (SP No. 1-104-023) } \\
\hline No & \multicolumn{1}{|c|}{ Function } & \multicolumn{1}{c|}{ Comments } \\
\hline 0 & Not used & \begin{tabular}{l} 
Opt not change the settings. \\
0: Not installed \\
1: Installed
\end{tabular} \\
\hline 2 & Not used & \begin{tabular}{l} 
Change this bit to 1 when installing the first \\
optional G3 unit.
\end{tabular} \\
\hline 3 & \begin{tabular}{l} 
0: Off \\
1: On
\end{tabular} & \begin{tabular}{l} 
This switch enables the G3-2. \\
0: Off, no connection \\
1: Recognizes and enables G3-2. \\
This switch can be used only after G3-2 has been \\
installed.
\end{tabular} \\
\hline \(4-7\) & Not used & Do not change the settings. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline \multicolumn{3}{|r|}{Communication Switch 17 (SP No. 1-104-024)} \\
\hline No & Function & Comments \\
\hline 0 & \begin{tabular}{l}
SEP reception \\
0: Disabled \\
1: Enabled
\end{tabular} & 0: Polling transmission to another maker's machine using the SEP (Selective Polling) signal is disabled. \\
\hline 1 & \begin{tabular}{l}
SUB reception \\
0: Disabled \\
1: Enabled
\end{tabular} & 0: Confidential reception to another maker's machine using the SUB (Sub-address) signal is disabled. \\
\hline 2 & \begin{tabular}{l}
PWD reception \\
0: Disabled \\
1: Enabled
\end{tabular} & 0: Disables features that require PWD (Password) signal reception. \\
\hline 3-4 & Not used & Do not change the settings. \\
\hline 5 & PSTN dial-in routing setting
\[
\begin{aligned}
& \text { 0: OFF } \\
& \text { 1: ON }
\end{aligned}
\] & 1: The machine sets multiple PSTN dial-in numbers in the PSTN dial-in line and transfers received data from each PSTN dial-in number to each address. \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|}
\hline 6 & Not used & Do not change the settings. \\
\hline 7 & Action when there is no box & \\
7 & \begin{tabular}{l} 
with an F-code that matches \\
the received SUB code \\
0: Disconnect the line \\
\(1:\) Receive the message \\
(using normal reception mode)
\end{tabular} & \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|}
\hline \multicolumn{3}{|c|}{ Communication Switch 18 (SP No. 1-104-025) } \\
\hline No & \multicolumn{1}{|c|}{ Function } & \multicolumn{1}{c|}{ Comments } \\
\hline 0-4 & Not used & \begin{tabular}{l} 
IP-Fax dial-in routing selection \\
0: Off \\
1: On
\end{tabular} \\
\hline 6 & \begin{tabular}{l} 
PSTN 2 dial-in routing \\
0: Off \\
1: On
\end{tabular} & \begin{tabular}{l} 
number. \\
IP-Fax dial-in number is a 4-digit number.
\end{tabular} \\
\hline 7 & \begin{tabular}{l} 
PSTN 3 dial-in routing \\
0: Off \\
1: On
\end{tabular} & \begin{tabular}{l} 
Enables or disables dial-in routing for the PSTN 2 \\
connection.
\end{tabular} \\
\hline
\end{tabular}

Communication Switch 19 - Not used (do not change the settings)
Communication Switch 1A - Not used (do not change the settings)
\begin{tabular}{|c|c|c|}
\hline \multicolumn{3}{|r|}{Communication Switch 1B (SP No. 1-104-028)} \\
\hline No & Function & Comments \\
\hline 0-7 & \begin{tabular}{l}
Extension access code (0 to 7) to turn V. 8 protocol On/Off 0: On \\
1: Off
\end{tabular} & If the PABX does not support V.8/V. 34 protocol procedure, set this bit to " 1 " to disable V. 8 . Example: If " 0 " is the PSTN access code, set bit 0 to 1 . When the machine detects " 0 " as the first dialed number, it automatically disables V. 8 protocol. (Alternatively, if "3" is the PSTN access code, set bit 3 to 1.) \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|}
\hline \multicolumn{3}{|c|}{ Communication Switch 1C (SP No. 1-104-029) } \\
\hline No & \multicolumn{1}{|c|}{ Function } & \multicolumn{1}{c|}{ Comments } \\
\hline & Extension access code (8 and \\
9) to turn V.8 protocol On/Off \\
0: On \\
1: Off
\end{tabular} \begin{tabular}{l} 
Refer to communication switch 1B. \\
Example: If "8" is the PSTN access code, set bit 0 \\
to 1. When the machine detects "8" as the first \\
dialed number, it automatically disables V.8 \\
protocol. (If "9" is the PSTN access code, use bit \\
1.)
\end{tabular}

Communication Switch 1D - Not used (do not change the settings)
Communication Switch 1E - Not used (do not change the settings)
Communication Switch 1F - Not used (do not change the settings)

\subsection*{4.6 BIT SWITCHES - 4}
\(\downarrow\) Note
- Do not adjust a bit switch or use a setting that is described as "Not used", as this may cause the machine to malfunction or to operate in a manner that is not accepted by local regulations. Such bits are for use only in other areas, such as Japan.

Default settings for bit switches are not listed in this manual. Refer to the System Parameter List printed by the machine.

\subsection*{4.6.1 G3 SWITCHES}
\begin{tabular}{|c|c|c|c|c|}
\hline \multicolumn{5}{|r|}{G3 Switch 00 (SP No. 1-105-001)} \\
\hline No & \multicolumn{3}{|r|}{Function} & Comments \\
\hline \multirow{6}{*}{0
1} & \multicolumn{3}{|l|}{Monitor speaker during communication (tx and rx)} & \multirow[b]{6}{*}{\begin{tabular}{l}
( 0,0 ): The monitor speaker is disabled all through the communication. \\
\((0,1)\) : The monitor speaker is on up to phase B in the T .30 protocol. \\
(1, 0): Used for testing. The monitor speaker is on all through the communication. Make sure that you reset these bits after testing.
\end{tabular}} \\
\hline & Bit 1 & Bit 0 & Setting & \\
\hline & 0 & 0 & Disabled & \\
\hline & 0 & 1 & Up to Phase B & \\
\hline & 1 & 0 & All the time & \\
\hline & 1 & 1 & Not used & \\
\hline 2 & \multicolumn{3}{|l|}{Monitor speaker during memory transmission 0: Disabled 1: Enabled} & 1: The monitor speaker is enabled during memory transmission. \\
\hline 3-7 & \multicolumn{3}{|l|}{Not used} & Do not change the settings. \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|}
\hline \multicolumn{2}{|c|}{ G3 Switch 01 (SP No. 1-105-002) } \\
\hline No & \multicolumn{1}{|c|}{ Function } & \multicolumn{1}{c|}{ Comments } \\
\hline \(0-3\) & Not used & Do not change the settings. \\
\hline 4 & \begin{tabular}{l} 
DIS frame length \\
\(0: 10\) bytes 1: 4 bytes
\end{tabular} & \begin{tabular}{l} 
1: The bytes in the DIS frame after the 4th byte \\
will not be transmitted (set to 1 if there are \\
communication problems with PC-based faxes \\
which cannot receive the extended DIS frames).
\end{tabular} \\
\hline 5 & Not used & \begin{tabular}{l} 
Forbid CED/AMsam output \\
0: Off \\
1: On (Forbid output)
\end{tabular} \\
\hline 7 & Not used & Do not change the setting. \\
\hline unless communication problem is caused by a \\
CED or ANSam transmission.
\end{tabular}
\begin{tabular}{|l|l|l|}
\hline \multicolumn{3}{|c|}{ G3 Switch 02 (SP No. 1-105-003) } \\
\hline No & \multicolumn{1}{|c|}{ Function } & \multicolumn{1}{c|}{ Comments } \\
\hline 0 & \begin{tabular}{l} 
G3 protocol mode used \\
0: Standard and non-standard \\
1: Standard only
\end{tabular} & \begin{tabular}{l} 
Change this bit to 1 only when the other end can \\
only communicate with machines that send \\
T.30-standard frames only. \\
1: Disables NSF/NSS signals (these are used in \\
non-standard mode communication)
\end{tabular} \\
\hline 1-6 & Not used & Do not change the settings.
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline \multicolumn{3}{|r|}{G3 Switch 03 (SP No. 1-105-004)} \\
\hline No & Function & Comments \\
\hline 0 & \begin{tabular}{l}
DIS detection number (Echo countermeasure) \\
0: 1 \\
1: 2
\end{tabular} & \begin{tabular}{l}
0 : The machine will hang up if it receives the same DIS frame twice. \\
1: Before sending DCS, the machine will wait for the second DIS which is caused by echo on the line.
\end{tabular} \\
\hline 1 & Not Used & Do not change the settings. \\
\hline 2 & \begin{tabular}{l}
V. 8 protocol \\
0: Disabled \\
1: Enabled
\end{tabular} & \begin{tabular}{l}
0 : V.8/V. 34 communications will not be possible. \\
Note \\
- Do not set to 0 unless the line condition is always bad enough to slow down the data rate to 14.4 kbps or lower.
\end{tabular} \\
\hline 3 & \begin{tabular}{l}
ECM frame size \\
0: 256 bytes \\
1: 64 bytes
\end{tabular} & Keep this bit at "0" in most cases. \\
\hline 4 & \begin{tabular}{l}
CTC transmission conditions \\
0 : After one PPR signal received \\
1: After four PPR signals received (ITU-T standard)
\end{tabular} & \begin{tabular}{l}
0 : When using ECM in non-standard (NSF/NSS) mode, the machine sends a CTC to drop back the modem rate after receiving a PPR, if the following condition is met in communications at 14.4, 12.0, 9.6 , and 7.2 kbps. \\
\(\sqrt{N \text { Transmit } \leq N R e \text { send }}\) \\
NTransmit- Number of transmitted frames \\
NResend- Number of frames to be retransmitted \\
1: When using ECM, the machine sends a CTC to drop back the modem rate after receiving four PPRs. \\
PPR, CTC: These are ECM protocol signals. \\
This bit is not effective in V .34 communications.
\end{tabular} \\
\hline 5 & \begin{tabular}{l}
Modem rate used for the next page after receiving a negative code (RTN or PIN) \\
0: No change 1: Fallback
\end{tabular} & 1: The machine's \(t x\) modem rate will fall back before sending the next page if a negative code is received. This bit is ignored if ECM is being used. \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|}
\hline 6 & Not used & Do not change the settings \\
\hline 7 & \begin{tabular}{l} 
Select detection of reverse \\
polarity in ringing \\
0: Off \\
1: On
\end{tabular} & \begin{tabular}{l} 
This switch is used to prevent reverse polarity in \\
ringing on the phone line (applied to PSTN-G3
\end{tabular} \\
ringing). Do not change this setting \\
0: No detection \\
1: Detection (Japan and Korea only)
\end{tabular}
\begin{tabular}{|l|l|l|}
\hline \multicolumn{2}{|c|}{ G3 Switch 04 (SP No. 1-105-005) }
\end{tabular}\(|\)\begin{tabular}{l}
\multicolumn{1}{|c|}{ Comments } \\
\hline No
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|}
\hline \multicolumn{7}{|c|}{G3 Switch 05 (SP No. 1-105-006)} \\
\hline No & \multicolumn{5}{|c|}{Function} & Comments \\
\hline \multirow{11}{*}{0-3} & \multicolumn{5}{|l|}{Initial Tx modem rate (kbps)} & \multirow{11}{*}{\begin{tabular}{l}
These bits set the initial starting modem rate for transmission. \\
Use the dedicated transmission parameters if you need to change this for specific receivers. \\
If a modem rate 14.4 kbps or slower is selected, V. 8 protocol should be disabled manually. \\
Cross reference V. 8 protocol on/off - G3 switch 03, bit 2
\end{tabular}} \\
\hline & Bit 3 & Bit 2 & Bit 1 & Bit 0 & kbps & \\
\hline & 0 & 0 & 0 & 1 & 2.4 & \\
\hline & 0 & 0 & 1 & 0 & 4.8 & \\
\hline & 0 & 0 & 1 & 1 & 7.2 & \\
\hline & 0 & 1 & 0 & 0 & 9.6 & \\
\hline & 0 & 1 & 0 & 1 & 12.0 & \\
\hline & 0 & 1 & 1 & 0 & 14.4 & \\
\hline & 0 & 1 & 1 & 1 & 16.8 & \\
\hline & 1 & 0 & 0 & 0 & 19.2 & \\
\hline & 1 & 0 & 0 & 1 & 21.6 & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|}
\hline & 1 & 0 & 1 & 0 & 24.0 & \\
\hline & 1 & 0 & 1 & 1 & 26.4 & \\
\hline & 1 & 1 & 0 & 0 & 28.8 & \\
\hline & 1 & 1 & 0 & 1 & 31.2 & \\
\hline & 0 & 0 & 1 & 1 & 33.6 & \\
\hline & Other & ing - & t u & & & \\
\hline & Initial & em ty & for & 6 k or 7 & kbps. & \\
\hline & Bit 5 & Bit 4 & & Settin & & \\
\hline & 0 & 0 & & V. 29 & & These bits set the initial modem type for \\
\hline & 0 & 1 & & V. 17 & & is set at these speeds. \\
\hline & 1 & 0 & & V. 34 & & \\
\hline & 1 & 1 & & Not us & & \\
\hline 6-7 & Not us & & & & & Do not change the settings. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|}
\hline \multicolumn{7}{|c|}{G3 Switch 06 (SP No. 1-105-007)} \\
\hline No & \multicolumn{5}{|c|}{Function} & Comments \\
\hline \multirow{10}{*}{0-3} & \multicolumn{5}{|l|}{Initial Rx modem rate(kbps)} & \multirow{10}{*}{\begin{tabular}{l}
These bits set the initial starting modem rate for reception. \\
Use a lower setting if high speeds pose problems during reception. \\
If a modem rate 14.4 kbps or slower is selected, V. 8 protocol should be disabled manually. \\
Cross reference V. 8 protocol on/off - G3 switch 03, bit2
\end{tabular}} \\
\hline & Bit 3 & Bit 2 & Bit 1 & Bit 0 & kbps & \\
\hline & 0 & 0 & 0 & 1 & 2.4 & \\
\hline & 0 & 0 & 1 & 0 & 4.8 & \\
\hline & 0 & 0 & 1 & 1 & 7.2 & \\
\hline & 0 & 1 & 0 & 0 & 9.6 & \\
\hline & 0 & 1 & 0 & 1 & 12.0 & \\
\hline & 0 & 1 & 1 & 0 & 14.4 & \\
\hline & 0 & 1 & 1 & 1 & 16.8 & \\
\hline & 1 & 0 & 0 & 0 & 19.2 & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|}
\hline \multirow[t]{6}{*}{} & 1 & 0 & 0 & 1 & 21.6 & \\
\hline & 1 & 0 & 1 & 0 & 24.0 & \\
\hline & 1 & 0 & 1 & 1 & 26.4 & \\
\hline & 1 & 1 & 0 & 0 & 28.8 & \\
\hline & 1 & 1 & 0 & 1 & 31.2 & \\
\hline & \multicolumn{6}{|l|}{Other settings - Not used} \\
\hline \multirow{8}{*}{4-7} & \multicolumn{6}{|l|}{\begin{tabular}{l}
Modem types available for reception \\
The setting of these bits is used to inform the transmitting terminal of the available modem type for the machine in receive mode. \\
If V .34 is not selected, V .8 protocol must be disabled manually. \\
Cross reference \\
V. 8 protocol on/off - G3 switch 03, bit 2
\end{tabular}} \\
\hline & Bit 7 & Bit 6 & Bit 5 & Bit 4 & & Types \\
\hline & 0 & 0 & 0 & 1 & V. 27 & \\
\hline & 0 & 0 & 1 & 0 & V. 27 & \\
\hline & 0 & 0 & 1 & 1 & V. 27 & \\
\hline & 0 & 1 & 0 & 0 & V. 27 & /V. 33 \\
\hline & 0 & 1 & 0 & 1 & V. 27 & /V33, V. 34 \\
\hline & \multicolumn{6}{|l|}{Other settings - Not used} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|}
\hline \multicolumn{5}{|c|}{G3 Switch 07 (SP No. 1-105-008)} \\
\hline No & \multicolumn{3}{|c|}{Function} & Comments \\
\hline \multirow{5}{*}{0-1} & \multicolumn{3}{|l|}{\begin{tabular}{l}
PSTN cable equalizer \\
(tx mode: Internal)
\end{tabular}} & \multirow[t]{5}{*}{\begin{tabular}{l}
Use a higher setting if there is signal loss at higher frequencies because of the length of wire between the modem and the telephone exchange. \\
Use the dedicated transmission parameters for specific receivers. Also, try using the cable equalizer if one or more of the following symptoms
\end{tabular}} \\
\hline & Bit 1 & Bit 0 & Setting & \\
\hline & 0 & 0 & None & \\
\hline & 0 & 1 & Low & \\
\hline & 1 & 0 & Medium & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|}
\hline & 1 & 1 & High & \multirow[t]{2}{*}{\begin{tabular}{l}
occurs. \\
Communication error \\
Modem rate fallback occurs frequently. \\
Note \\
- This setting is not effective in V. 34 communications.
\end{tabular}} \\
\hline & & & & \\
\hline \multirow{7}{*}{2-3} & \multicolumn{3}{|l|}{PSTN cable equalizer (rx mode: Internal)} & \multirow[t]{7}{*}{\begin{tabular}{l}
Use a higher setting if there is signal loss at higher frequencies because of the length of wire between the modem and the telephone exchange. \\
Also, try using the cable equalizer if one or more of the following symptoms occurs. \\
Communication error with error codes such as 0-20, 0-23, etc. \\
Modem rate fallback occurs frequently. \\
Note \\
- This setting is not effective in V .34 communications.
\end{tabular}} \\
\hline & Bit 3 & Bit 2 & Setting & \\
\hline & 0 & 0 & None & \\
\hline & 0 & 1 & Low & \\
\hline & 1 & 0 & Medium & \\
\hline & 1 & 1 & High & \\
\hline & & & & \\
\hline 4 & \multicolumn{3}{|l|}{\begin{tabular}{l}
PSTN cable equalizer \\
(V.8/V. 17 rx mode: External) \\
0 : Disabled \\
1: Enabled
\end{tabular}} & Keep this bit at "1". \\
\hline 5 & \multicolumn{3}{|l|}{Not used} & Do not change the settings. \\
\hline 6 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Parameter selection for dial tone detection \\
0: Normal parameter \\
1: Specific parameter
\end{tabular}} & \begin{tabular}{l}
0 : This uses the fixed table in the ROM for dial tone detection. \\
1: This uses the specific parameter adjusted with SRAM (69ECBEH 69ECDEH). Select this if the dial tone cannot be detected when the "Normal parameter: 0 " is selected.
\end{tabular} \\
\hline 7 & \multicolumn{3}{|l|}{Not used} & Do not change the settings. \\
\hline
\end{tabular}

G3 Switch 08 - Not used (do not change the settings)

G3 Switch 09 - Not used (do not change the settings)
\begin{tabular}{|c|c|c|c|c|}
\hline \multicolumn{5}{|c|}{G3 Switch OA (SP No. 1-105-011)} \\
\hline No & \multicolumn{3}{|c|}{Function} & Comments \\
\hline \multirow{6}{*}{0-1} & \multicolumn{3}{|l|}{Maximum allowable carrier drop during image data reception} & \multirow{6}{*}{\begin{tabular}{l}
These bits set the acceptable modem carrier drop time. \\
Try a longer setting if error code 0-22 is frequent.
\end{tabular}} \\
\hline & Bit 1 & Bit 0 & Value (ms) & \\
\hline & 0 & 0 & 200 & \\
\hline & 0 & 1 & 400 & \\
\hline & 1 & 0 & 800 & \\
\hline & 1 & 1 & Not used & \\
\hline 2 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Select cancellation of high-speed RX \\
if carrier signal lost while receiving \\
0 : Off \\
1: On
\end{tabular}} & This switch setting determines if high-speed receiving ends if the carrier signal is lost when receiving during non-ECM mode \\
\hline 3 & \multicolumn{3}{|l|}{Not used} & Do not change the settings \\
\hline 4 & \multicolumn{3}{|l|}{Maximum allowable frame interval during image data reception.
\[
0: 5 \mathrm{~s} 1: 13 \mathrm{~s}
\]} & \begin{tabular}{l}
This bit set the maximum interval between EOL (end-of-line) signals and the maximum interval between ECM frames from the other end. \\
Try using a longer setting if error code \(0-21\) is frequent.
\end{tabular} \\
\hline 5 & \multicolumn{3}{|l|}{Not used} & Do not change the settings. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline 6 & Reconstruction time for the first line in receive mode
\[
0: 6 \mathrm{~s} 1: 12 \mathrm{~s}
\] & When the sending terminal is controlled by a computer, there may be a delay in receiving page data after the local machine accepts set-up data and sends CFR. This is outside the T. 30 recommendation. But, if this delay occurs, set this bit to 1 to give the sending machine more time to send data. Refer to error code 0-20. ITU-T T. 30 recommendation: The first line should come within 5 s of CFR. \\
\hline 7 & Not used & Do not change the settings. \\
\hline
\end{tabular}

G3 Switch 0B Not used (do not change the settings).
G3 Switch 0C Not used (do not change the settings).
G3 Switch OD Not used (do not change the settings).
\begin{tabular}{|c|c|c|}
\hline \multicolumn{3}{|r|}{G3 Switch 0E (SP No. 1-105-015)} \\
\hline No & Function & Comments \\
\hline \multirow{3}{*}{0-7} & \multicolumn{2}{|l|}{\begin{tabular}{l}
Set CNG send time interval \\
Some machines on the receiving side may not be able to automatically switch the 3 -second CNG interval.
\end{tabular}} \\
\hline & High order bit & \begin{tabular}{l}
\(3000-2250 \mathrm{~ms}\) : \(3000-50 \times \mathrm{Nms}\) \\
\(3000-50 \times\) Nms \(0 F(3000 \mathrm{~ms})<=\mathrm{N}\) <= FF (2250 ms)
\end{tabular} \\
\hline & Low order bit & \begin{tabular}{l}
00-0E(3000-3700ms: 3000+50xNms \\
\(3000-50 \times \mathrm{Nms}\) OF ( 3000 ms ) <= N <= OF (3700 ms)
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|}
\hline \multicolumn{2}{|c|}{ G3 Switch OF (SP No. 1-105-016) } \\
\hline No & \multicolumn{1}{|c|}{ Function } & \multicolumn{1}{c|}{ Comments } \\
\hline 0 & \begin{tabular}{l} 
Alarm when an error occurred \\
in Phase C or later \\
0: Disabled \\
1: Enabled
\end{tabular} & \begin{tabular}{l} 
If the customer wants to hear an alarm after each \\
error communication, change this bit to "1".
\end{tabular} \\
\hline 1 & \begin{tabular}{l} 
Alarm when the handset is \\
off-hook at the end of \\
communication \\
0: Disabled \\
1: Enabled
\end{tabular} & \begin{tabular}{l} 
If the customer wants to hear an alarm if the \\
handset is off-hook at the end of fax \\
communication, change this bit to "1".
\end{tabular} \\
\hline \(2-3\) & Not used & \begin{tabular}{l} 
Sidaa manual calibration \\
setting \\
0: Off \\
1: On
\end{tabular} \\
\hline \(5-7\) & Not used & \begin{tabular}{l} 
Do not change the settings. \\
line whose current change occurs such as an \\
optical fiber line.
\end{tabular} \\
\hline 4
\end{tabular}

\subsection*{4.7 BIT SWITCHES - 5}

Note
- Do not adjust a bit switch or use a setting that is described as "Not used", as this may cause the machine to malfunction or to operate in a manner that is not accepted by local regulations. Such bits are for use only in other areas, such as Japan.

Default settings for bit switches are not listed in this manual. Refer to the System Parameter List printed by the machine.

\subsection*{4.7.1 G3-2 AND G3-3 SWITCHES}

These switches require an optional G3 interface unit.
G3-3 switches are the same as for G3-2 switches.
\begin{tabular}{|c|c|c|c|c|}
\hline \multicolumn{5}{|r|}{G3-2 Switch 00 (SP No. 1-106-001)} \\
\hline No & \multicolumn{3}{|r|}{Function} & Comments \\
\hline \multirow{6}{*}{0
1} & \multicolumn{3}{|l|}{Monitor speaker during communication (tx and rx)} & \multirow[b]{6}{*}{\begin{tabular}{l}
( 0,0 ): The monitor speaker is disabled all through the communication. \\
\((0,1)\) : The monitor speaker is on up to phase B in the T. 30 protocol. \\
(1, 0): Used for testing. The monitor speaker is on all through the communication. Make sure that you reset these bits after testing.
\end{tabular}} \\
\hline & Bit 1 & Bit 0 & Setting & \\
\hline & 0 & 0 & Disable & \\
\hline & 0 & 1 & Up to Phase B & \\
\hline & 1 & 0 & All the time & \\
\hline & 1 & 1 & Not used & \\
\hline 2 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Monitor speaker during memory transmission \\
0: Disabled 1: Enabled
\end{tabular}} & 1: The monitor speaker is enabled during memory transmission. \\
\hline 3-7 & \multicolumn{3}{|l|}{Not used} & Do not change the settings. \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|}
\hline \multicolumn{2}{|c|}{ G3-2 Switch 01 (SP No. 1-106-002) } \\
\hline No & \multicolumn{1}{|c|}{ Function } & \multicolumn{1}{c|}{ Comments } \\
\hline \(0-3\) & Not used & Do not change the settings. \\
\hline 4 & \begin{tabular}{l} 
DIS frame length \\
\(0: 10\) bytes 1: 4 bytes
\end{tabular} & \begin{tabular}{l} 
1: The bytes in the DIS frame after the 4th byte \\
will not be transmitted (set to 1 if there are \\
communication problems with PC-based faxes \\
which cannot receive the extended DIS frames).
\end{tabular} \\
\hline 5 & Not used & \begin{tabular}{l} 
Forbid CED/AMsam output \\
0: Off \\
1: On (Forbid output)
\end{tabular} \\
\hline 7 & Not used & Do not change the setting. \\
\hline unless comange this setting (Default: 0: Off), \\
CED or ANSam transmission.
\end{tabular}
\begin{tabular}{|l|l|l|}
\hline \multicolumn{2}{|c|}{ G3-2 Switch 02 (SP No. 1-106-003) } \\
\hline No & \multicolumn{1}{|c|}{ Function } & \multicolumn{1}{c|}{ Comments } \\
\hline 0 & \begin{tabular}{l} 
G3 protocol mode used \\
0: Standard and non-standard \\
1: Standard only
\end{tabular} & \begin{tabular}{l} 
Change this bit to 1 only when the other end can \\
only communicate with machines that send \\
T.30-standard frames only. \\
1: Disables NSF/NSS signals (these are used in \\
non-standard mode communication)
\end{tabular} \\
\hline 1-6 & Not used & Do not change the settings.
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline \multicolumn{3}{|r|}{G3-2 Switch 03 (SP No. 1-106-004)} \\
\hline No & Function & Comments \\
\hline 0 & \begin{tabular}{l}
DIS detection number (Echo countermeasure) \\
0: 1 \\
1: 2
\end{tabular} & \begin{tabular}{l}
0 : The machine will hang up if it receives the same DIS frame twice. \\
1: Before sending DCS, the machine will wait for the second DIS which is caused by echo on the line.
\end{tabular} \\
\hline 1 & Not Used & Do not change the settings. \\
\hline 2 & \begin{tabular}{l}
V. 8 protocol \\
0 : Disabled \\
1: Enabled
\end{tabular} & \begin{tabular}{l}
0 : V.8/V. 34 communications will not be possible. \\
Note \\
- Do not set to 0 unless the line condition is always bad enough to slow down the data rate to 14.4 kbps or lower.
\end{tabular} \\
\hline 3 & \begin{tabular}{l}
ECM frame size \\
0: 256 bytes \\
1: 64 bytes
\end{tabular} & Keep this bit at "0" in most cases. \\
\hline 4 & \begin{tabular}{l}
CTC transmission conditions \\
0 : After one PPR signal received \\
1: After four PPR signals received (ITU-T standard)
\end{tabular} & \begin{tabular}{l}
0 : When using ECM in non-standard (NSF/NSS) mode, the machine sends a CTC to drop back the modem rate after receiving a PPR, if the following condition is met in communications at 14.4, 12.0, 9.6, and 7.2 kbps. \\
\(\sqrt{\text { NTransmitSNRe send }}\) \\
Ntransmit = Number of transmitted frames \\
Nresend = Number of frames to be retransmitted \\
1: When using ECM, the machine sends a CTC to drop back the modem rate after receiving four PPRs. \\
PPR, CTC: These are ECM protocol signals. \\
This bit is not effective in V .34 communications.
\end{tabular} \\
\hline 5 & \begin{tabular}{l}
Modem rate used for the next page after receiving a negative code (RTN or PIN) \\
0: No change 1: Fallback
\end{tabular} & 1: The machine's \(t x\) modem rate will fall back before sending the next page if a negative code is received. This bit is ignored if ECM is being used. \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|}
\hline 6 & Not used & Do not change the settings \\
\hline 7 & \begin{tabular}{l} 
Select detection of reverse \\
polarity in ringing \\
\(0:\) Off \\
\(1:\) On
\end{tabular} & \begin{tabular}{l} 
This switch is used to prevent reverse polarity in \\
ringing on the phone line (applied to PSTN-G3 \\
ringing). Do not change this setting
\end{tabular} \\
& & 0: No detection \\
\(1:\) Detection (Japan and Korea only) \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|}
\hline \multicolumn{2}{|c|}{ G3-2 Switch 04 (SP No. 1-106-005) } \\
\hline No & \multicolumn{1}{|c|}{ Function } & \multicolumn{1}{c|}{ Comments } \\
\hline \(0-3\) & \begin{tabular}{l} 
Training error detection \\
threshold
\end{tabular} & \begin{tabular}{l} 
If F (Hex); 0-15 bits \\
If the number of error bits in the received TCF is \\
below this threshold, the machine informs the \\
sender that training has succeeded.
\end{tabular} \\
\hline \(4-7\) & Not used & Do not change the settings. \\
\hline
\end{tabular}


\begin{tabular}{|c|c|c|c|c|c|}
\hline 0 & 0 & 1 & 1 & V.27ter \\
\hline 0 & 1 & 0 & 0 & V.27ter \\
\hline 0 & 1 & 0 & 1 & V.27ter \\
\hline
\end{tabular}

\begin{tabular}{|l|l|l|}
\hline & PSTN cable equalizer & \\
(V.8/V.17 rx mode: External) & Keep this bit at "1". \\
0: Disabled \\
1: Enabled
\end{tabular}\(\quad\) Do not change the settings. \begin{tabular}{l} 
Not used
\end{tabular}

G3-2 Switch 08 - Not used (do not change the settings)
G3-2 Switch 09 - Not used (do not change the settings)
\begin{tabular}{|c|c|c|c|c|}
\hline \multicolumn{5}{|c|}{G3-2 Switch 0A (SP No. 1-106-011)} \\
\hline No & \multicolumn{3}{|c|}{Function} & Comments \\
\hline \multirow{6}{*}{0-1} & \multicolumn{3}{|l|}{Maximum allowable carrier drop during image data reception} & \multirow{6}{*}{\begin{tabular}{l}
These bits set the acceptable modem carrier drop time. \\
Try a longer setting if error code 0-22 is frequent.
\end{tabular}} \\
\hline & Bit 1 & Bit 0 & Value (ms) & \\
\hline & 0 & 0 & 200 & \\
\hline & 0 & 1 & 400 & \\
\hline & 1 & 0 & 800 & \\
\hline & 1 & 1 & Not used & \\
\hline 2-3 & \multicolumn{3}{|l|}{Not used} & Do not change the settings \\
\hline 4 & \multicolumn{3}{|l|}{Maximum allowable frame interval during image data reception.
\[
0: 5 \text { s 1: } 13 \mathrm{~s}
\]} & This bit set the maximum interval between EOL (end-of-line) signals and the maximum interval between ECM frames from the other end. Try using a longer setting if error code \(0-21\) is frequent. \\
\hline 5 & \multicolumn{3}{|l|}{Not used} & Do not change the settings. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline 6 & Reconstruction time for the first line in receive mode
\[
0: 6 \mathrm{~s} 1: 12 \mathrm{~s}
\] & When the sending terminal is controlled by a computer, there may be a delay in receiving page data after the local machine accepts set-up data and sends CFR. This is outside the T. 30 recommendation. But, if this delay occurs, set this bit to 1 to give the sending machine more time to send data. Refer to error code 0-20. ITU-T T. 30 recommendation: The first line should come within 5 s of CFR. \\
\hline 7 & Not used & Do not change the settings. \\
\hline
\end{tabular}

G3-2 Switch 0B- Not used (do not change the settings)
G3-2 Switch 0C- Not used (do not change the settings)
G3-2 Switch 0E- Not used (do not change the settings)
G3-2 Switch 0F- Not used (do not change the settings)

\subsection*{4.7.2 G4 INTERNAL SWITCHES}

The G4 internal switches (SW00 to 1F) are displayed but do not change these settings.

\subsection*{4.7.3 G4 PARAMETER SWITCHES}

The G4 parameter switches (SW00 to OF) are displayed but do not change these settings.

\subsection*{4.8 BIT SWITCHES - 6}

Note
- Do not adjust a bit switch or use a setting that is described as "Not used", as this may cause the machine to malfunction or to operate in a manner that is not accepted by local regulations. Such bits are for use only in other areas, such as Japan.

Default settings for bit switches are not listed in this manual. Refer to the System Parameter List printed by the machine.

\subsection*{4.8.1 IP FAX SWITCHES}
\begin{tabular}{|l|l|l|}
\hline \multicolumn{2}{|c|}{ IP Fax Switch 00 (SP No. 1-111-001) } \\
\hline No. & \multicolumn{1}{|c|}{ Function } & \multicolumn{1}{c|}{ Comments } \\
\hline 0 & Not used & Do not change this setting. \\
\hline 1 & \begin{tabular}{l} 
IP Fax Transport \\
0: TCP, 1: UDP
\end{tabular} & Selects TCP or UDP protocol for IP-Fax \\
\hline 2 & \begin{tabular}{l} 
IP Fax single port selection \\
0: OFF, 1: ON (enable)
\end{tabular} & Selects single data port. \\
\hline 3 & \begin{tabular}{l} 
IP Fax double ports (single data \\
port) selection \\
0: OFF, 1: ON (enable)
\end{tabular} & Selects whether IP-Fax uses a double port. \\
\hline 4 & \begin{tabular}{l} 
IP Fax Gatekeeper \\
0: OFF, 1: ON (enable)
\end{tabular} & \begin{tabular}{l} 
IP Fax T30 bit signal reverse \\
0: LSB first, 1: MSB first
\end{tabular} \\
\hline 6 & \begin{tabular}{l} 
IP Fax max bit rate setting \\
0: Not affected, 1: Affected
\end{tabular} & \begin{tabular}{l} 
Reverses the T30 bit signal.
\end{tabular} \\
\hline 5 & \begin{tabular}{l} 
When "0" is selected, the max bit rate does \\
When "1" is selected, the max bit rate \\
affects the value of the DIS/DCS.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|}
\hline & & \begin{tabular}{l} 
When "0" is selected, fax data is received \\
without checking the telephone number. \\
When "1" is selected, fax data is received \\
only when confirming that the telephone \\
number from the sender matches the \\
registered telephone number in this \\
machine. If this confirmation fails, the line is \\
disconnected.
\end{tabular} \\
\begin{tabular}{ll} 
confirmation \\
0: No confirmation, 1: Confirmation
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|}
\hline \multicolumn{6}{|c|}{IP Fax Switch 01 (SP No. 1-111-002)} \\
\hline No. & \multicolumn{3}{|c|}{Function} & \multicolumn{2}{|c|}{Comments} \\
\hline \multirow{6}{*}{0-3} & \multicolumn{5}{|l|}{\begin{tabular}{l}
IP Fax delay level setting \\
Selects the acceptable delay level. \\
Level 0 is the highest quality \\
Default is "0000" (level 0 ).
\end{tabular}} \\
\hline & Bit 3 & Bit 2 & Bit 1 & Bit 0 & \\
\hline & 0 & 0 & 0 & 0 & Level 0 \\
\hline & 0 & 0 & 0 & 1 & Level 1 \\
\hline & 0 & 0 & 1 & 0 & Level 2 \\
\hline & 0 & 0 & 1 & 1 & Level 3 \\
\hline 4-7 & \multicolumn{3}{|l|}{IP Fax preamble wait time setting} & \multicolumn{2}{|l|}{\begin{tabular}{l}
Selects the preamble wait time. \\
[00 to 0f] \\
There are 16 values in this 4-bit binary switch combination. \\
Waiting time: set value level \(\times 100 \mathrm{~ms}\) Max: Of (1500 ms) Min: 00 (No wait time) The default is " 0000 " \((00 \mathrm{H})\).
\end{tabular}} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline \multicolumn{3}{|r|}{IP Fax Switch 02 (SP No. 1-111-003)} \\
\hline No. & Function & Comments \\
\hline 0 & \begin{tabular}{l}
IP Fax bit signal reverse setting \\
0 : Maker code setting \\
1: Internal bit switch setting
\end{tabular} & When "0" is selected, the bit signal reverse method is decided by the maker code. When "1" is selected, the bit signal reverse method is decided by the internal bit switch. When communicating between IP Fax devices, LSB first is selected.) \\
\hline 1 & \begin{tabular}{l}
IP Fax transmission speed setting \\
0: Modem speed \\
1: No limitation
\end{tabular} & Selects the transmit speed for IP Fax communication. \\
\hline 2 & \begin{tabular}{l}
SIP transport setting \\
0: TCP \\
1: UDP
\end{tabular} & This bit switch sets the transport that has priority for receiving IP Fax data. This function is activated only when the sender has both TCP and UDP. \\
\hline 3 & \begin{tabular}{l}
CCM connection \\
0: No CCM connection \\
1: CCM connection
\end{tabular} & When " 1 " is selected, only the connection call message with H. 323 or no tunneled H. 245 is transmitted via CCM. \\
\hline 4 & \begin{tabular}{l}
Message reception selection from non-registered SIP server \\
0 : Answer \\
1: Not answer
\end{tabular} & \begin{tabular}{l}
0 : This answers the INVITE message from the SIP server not registered for the machine. \\
1: This does not receive the INVITE message from the SIP server not registered for the machine and send a refusal message.
\end{tabular} \\
\hline 5 & \begin{tabular}{l}
ECM communication setting \\
0: No limit for image compression \\
1: Limit for image compression
\end{tabular} & \begin{tabular}{l}
0 : This does not limit the type of the image compression with ECM communication. \\
1: When the other end machine is Ciscco, this permits the image compression other than JBIG or MMR with ECM communication.
\end{tabular} \\
\hline 6-7 & Not used & Do not change these settings. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline \multicolumn{3}{|r|}{IP Fax Switch 03 (SP No. 1-111-004)} \\
\hline No. & Function & Comments \\
\hline 0 & Effective field limitation for G3 standard function information 0: OFF, 1: 4byte (DIS) & Limits the effective field for standard G3 function information. \\
\hline 1 & \begin{tabular}{l}
Switching between G3 standard and G3 non standard \\
0 : Enable switching \\
1: G3 standard only
\end{tabular} & Enables/disables switching between G3 standard and G3 non-standard. \\
\hline 2 & Not used & Do not change this setting. \\
\hline 3 & \begin{tabular}{l}
ECM frame size selection at transmitting \\
0: 256byte, 1: 64byte
\end{tabular} & Selects the ECM frame size for sending. \\
\hline 4 & DIS detection times for echo prevention 0: 1 time, 1: 2 times & Sets the number of times for DIS to detect echoes. \\
\hline 5 & \begin{tabular}{l}
CTC transmission selection \\
0: PPRx1 \\
1: PPRx4
\end{tabular} & \begin{tabular}{l}
When " 0 " is selected, the transmission condition is decided by error frame numbers. \\
When " 1 " is selected, the transmission condition is based on the ITU-T method.
\end{tabular} \\
\hline 6 & \begin{tabular}{l}
Shift down setting at receiving negative code \\
0: OFF, 1: ON
\end{tabular} & Selects whether to shift down when negative codes are received. \\
\hline 7 & Not used & Do not change this setting. \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|}
\hline \multicolumn{3}{|c|}{ IP Fax Switch 04 (SP No. 1-111-005) } \\
\hline No. & \multicolumn{1}{|c|}{ Function } & \multicolumn{1}{c|}{ Comments } \\
\hline \(0-3\) & TCF error threshold & \begin{tabular}{l} 
Sets the TCF error threshold level. [00 to 0f] \\
The default is "1111" (OfH).
\end{tabular} \\
\hline \(4-7\) & Not used & Do not change these settings. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|}
\hline \multicolumn{7}{|c|}{IP Fax Switch 05 (SP No. 1-111-006)} \\
\hline No. & \multicolumn{5}{|c|}{Function} & Comments \\
\hline \multirow{8}{*}{0-3} & \multicolumn{5}{|l|}{Modem bit rate setting for transmission (kbps)} & \multirow{8}{*}{Sets the modem bit rate for transmission. The default is "0110" ( 14.4 K bps).} \\
\hline & Bit 3 & Bit 2 & Bit 1 & Bit 0 & kbps & \\
\hline & 0 & 0 & 0 & 1 & 2.4 & \\
\hline & 0 & 0 & 1 & 1 & 4.8 & \\
\hline & 0 & 0 & 1 & 1 & 7.2 & \\
\hline & 0 & 1 & 0 & 0 & 9.6 & \\
\hline & 0 & 1 & 0 & 1 & 12.0 & \\
\hline & 0 & 1 & 1 & 0 & 14.4 & \\
\hline \multirow{6}{*}{4-5} & \multicolumn{5}{|l|}{Modem setting for transmission} & \multirow{6}{*}{\begin{tabular}{l}
Sets the modem type for transmission. \\
The default is "00" (V29).
\end{tabular}} \\
\hline & \multicolumn{2}{|l|}{Bit 5} & Bit 4 & \multicolumn{2}{|r|}{Types} & \\
\hline & \multicolumn{2}{|l|}{0} & 0 & \multicolumn{2}{|r|}{V29} & \\
\hline & \multicolumn{2}{|l|}{0} & 1 & \multicolumn{2}{|r|}{V17} & \\
\hline & \multicolumn{2}{|l|}{1} & 0 & & used & \\
\hline & \multicolumn{2}{|l|}{1} & 1 & & used & \\
\hline 6-7 & \multicolumn{5}{|l|}{Not used} & Do not change these settings. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|}
\hline \multicolumn{6}{|c|}{IP Fax Switch 06 (SP No. 1-111-007)} \\
\hline No. & \multicolumn{3}{|c|}{Function} & \multicolumn{2}{|r|}{Comments} \\
\hline 0-3 & \multicolumn{5}{|l|}{\begin{tabular}{l}
Modem bit rate setting for reception \\
Sets the modem bit rate for reception. The default is "0110" ( 14.4 K bps).
\end{tabular}} \\
\hline \multirow{7}{*}{4-7} & \multicolumn{5}{|l|}{\begin{tabular}{l}
Modem setting for reception \\
Sets the modem type for reception. The default is "0100" (V27ter, V29, V17).
\end{tabular}} \\
\hline & Bit 7 & Bit 6 & Bit 5 & Bit 4 & Types \\
\hline & 0 & 0 & 0 & 1 & V.27ter \\
\hline & 0 & 0 & 1 & 0 & V.27ter, V. 29 \\
\hline & 0 & 0 & 1 & 1 & V.27ter, V.29, V. 33 \\
\hline & 0 & 1 & 0 & 0 & V.27ter, V.29, V.17/V. 33 \\
\hline & \multicolumn{5}{|l|}{Other settings - Not used} \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|}
\hline \multicolumn{2}{|c|}{ IP Fax Switch 07 (SP No. 1-111-008) } \\
\hline No. & \multicolumn{1}{|c|}{ Function } & \multicolumn{1}{c|}{ Comments } \\
\hline 0 & \begin{tabular}{l} 
TSI information \\
0: Not added, 1: Added
\end{tabular} & \begin{tabular}{l} 
Adds or does not add TSI information to \\
NSS(S).
\end{tabular} \\
\hline 1 & \begin{tabular}{l} 
DCN transmission setting at T1 \\
timeout \\
0: Not transmitted \\
1: Transmitted
\end{tabular} & \begin{tabular}{l} 
Transmits or does not transmit DCN at T1 \\
timeout.
\end{tabular} \\
\hline 2 & \begin{tabular}{l} 
Not used \\
Hang up setting at DIS reception \\
disabled \\
0: No hang up \\
1: Hang up after transmitting DCN
\end{tabular} & Do not change this setting. \\
\hline 4 & \begin{tabular}{l} 
Number of times for training \\
0: 1 time, 1: 2 times
\end{tabular} & \begin{tabular}{l} 
Selects the number of times training is done \\
at the same bit rate.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|}
\hline 5 & \begin{tabular}{l} 
Space CSI transmission setting at \\
no CSI registration \\
\(0:\) Not transmitted \\
\(1:\) Transmitted
\end{tabular} & \begin{tabular}{l} 
When "0" is selected, frame data is enabled. \\
When "1" is selected, the transmitted data is \\
all spaces.
\end{tabular} \\
\hline \(6-7\) & Not used & Do not change these settings. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|}
\hline \multicolumn{5}{|r|}{IP Fax Switch 08 (SP No. 1-111-009)} \\
\hline No. & \multicolumn{3}{|c|}{Function} & Comments \\
\hline \multirow{6}{*}{0-1} & \multicolumn{3}{|l|}{T1 timer adjustment} & \multirow{6}{*}{\begin{tabular}{l}
Adjusts the T1 timer. \\
The default is "00" (35 seconds).
\end{tabular}} \\
\hline & Bit 1 & Bit 0 & & \\
\hline & 0 & 0 & 35 s & \\
\hline & 0 & 1 & 40 s & \\
\hline & 1 & 0 & 50 s & \\
\hline & 1 & 1 & 60 s & \\
\hline \multirow{6}{*}{2-3} & \multicolumn{3}{|l|}{T4 timer adjustment} & \multirow{6}{*}{\begin{tabular}{l}
Adjust the T4 timer. \\
The default is " 00 " ( 3 seconds).
\end{tabular}} \\
\hline & Bit 3 & Bit 2 & & \\
\hline & 0 & 0 & 3 s & \\
\hline & 0 & 1 & 3.5 s & \\
\hline & 1 & 0 & 4 s & \\
\hline & 1 & 1 & 5 s & \\
\hline \multirow{6}{*}{4-5} & \multicolumn{3}{|l|}{T0 timer adjustment} & \multirow{6}{*}{\begin{tabular}{l}
Adjusts the fail safe timer. This timer sets the interval between "setup" data transmission and T. 38 phase decision. If your destination return is late on the network or G3 fax return is late, adjust the longer interval timer. \\
The default is " 00 " ( 75 seconds).
\end{tabular}} \\
\hline & Bit 5 & Bit 4 & & \\
\hline & 0 & 0 & 75 s & \\
\hline & 0 & 1 & 120 s & \\
\hline & 1 & 0 & 180 s & \\
\hline & 1 & 1 & 240 s & \\
\hline 6-7 & \multicolumn{3}{|l|}{Not used} & Do not change these settings. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|}
\hline \multicolumn{5}{|r|}{IP Fax Switch 09 (SP No. 1-111-010)} \\
\hline No. & \multicolumn{3}{|c|}{Function} & Comments \\
\hline 0 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Network I/F setting for SIP connection \\
0: IPv4 \\
1: IPv6.
\end{tabular}} & Selects the connection type (IPV4 or IPV6) to connect to the SIP server. \\
\hline 1 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Network I/F setting for Fax communication \\
0: Same setting as SIP server connection \\
1: Automatic setting
\end{tabular}} & \begin{tabular}{l}
0 : The I/F setting for fax communication follows the setting for SIP server connection. \\
1: The negotiation between the SIP server and the device decides whether IPv4 or IPv6 is used for the I/F setting for fax communication.
\end{tabular} \\
\hline 2 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Record-route setting \\
0: Disable \\
1: Enable
\end{tabular}} & \begin{tabular}{l}
0 : Disables the record-route function of the SIP server. \\
1: Enables the record-route function of the SIP server.
\end{tabular} \\
\hline \multirow{6}{*}{3-4} & \multicolumn{3}{|l|}{re-INVITE transmission delay timer setting} & \multirow{6}{*}{This changes the interval for transmit re-INVITE after receiving the ACK message transmitted by T. 38 device.} \\
\hline & Bit 4 & Bit 3 & & \\
\hline & 0 & 0 & No de & \\
\hline & 0 & 1 & 1 se & \\
\hline & 1 & 0 & 2 se & \\
\hline & 1 & 1 & 3 se & \\
\hline 5 & \multicolumn{3}{|l|}{\begin{tabular}{l}
SIP-IPFAX: Adding vender \\
information selection \\
0: Declare T38Vendorinfo=RICOH \\
1: Not declare \\
T38Vendorlnfo=RICOH
\end{tabular}} & \begin{tabular}{l}
0 : Use this setting normally. \\
1: This setting is used only when a customer wants to connect the machine with SIP server + VOIP-GW provided by AVAYA Inc.
\end{tabular} \\
\hline 6-7 & \multicolumn{3}{|l|}{Not used.} & Do not change these settings. \\
\hline
\end{tabular}

IP Fax Switch 0A - Not used (do not change the settings)
IP Fax Switch 0B - Not used (do not change the settings)
IP Fax Switch 0C - Not used (do not change the settings)
IP Fax Switch OD - Not used (do not change the settings)
\begin{tabular}{|c|l|l|}
\hline \multicolumn{3}{|c|}{ IP Fax Switch 0E (SP No. 1-111-013) } \\
\hline No. & \multicolumn{1}{|c|}{ Function } & \multicolumn{1}{c|}{ Comments } \\
\hline 0-1 & \begin{tabular}{l} 
SIP: IP-FAX port mode (UDP) \\
00: 3 port mode \\
\(01: 2\) port mode \\
\(10: 1\) port mode
\end{tabular} & \begin{tabular}{l} 
Switch the port mode for IP-FAX (T38 \\
transport: UDP) at SIP call control.
\end{tabular} \\
\hline 2-3 & \begin{tabular}{l} 
SIP: IP-FAX port mode (TCP) \\
\(00: 3\) port mode \\
\(01: 2\) port mode \\
\(10: 1\) port mode
\end{tabular} & \begin{tabular}{l} 
Switch the port mode for IP-FAX (T38 \\
transport: TCP) at SIP call control.
\end{tabular} \\
\hline \(4-7\) & Not used. & Do not change these settings. \\
\hline
\end{tabular}

\subsection*{4.9 NCU PARAMETERS}

The following tables give the RAM addresses and the parameter calculation units that the machine uses for ringing signal detection and automatic dialing. The factory settings for each country are also given. Most of these must be changed by RAM read/write (SP2-102), but some can be changed using NCU Parameter programming (SP2-103, 104 and 105); if SP2-103, 104 and 105 can be used, this will be indicated in the Remarks column. The RAM is programmed in hex code unless (BCD) is included in the Unit column.
- The following addresses describe settings for the standard NCU.
- Change the fourth digit from " 5 " to " 6 " (e.g. 680500 to 680600 ) for the settings for the first optional G3 interface unit and from "5" to "7" (e.g. 680700) for the settings for the second optional G3 interface unit.
\begin{tabular}{|c|c|c|c|c|c|c|}
\hline Address & \multicolumn{6}{|c|}{Function} \\
\hline \multirow{13}{*}{680500} & \multicolumn{6}{|l|}{Country/Area code for NCU parameters} \\
\hline & \multicolumn{6}{|l|}{Use the Hex value to program the country/area code directly into this address, or use the decimal value to program it using SP2-103-001} \\
\hline & Country IArea & Decimal & Hex & \begin{tabular}{l}
Country \\
IArea
\end{tabular} & Decimal & Hex \\
\hline & France & 00 & 00 & Asia & 18 & 12 \\
\hline & Germany & 01 & 01 & Japan & 19 & 13 \\
\hline & UK & 02 & 02 & Hong Kong & 20 & 14 \\
\hline & Italy & 03 & 03 & South Africa & 21 & 15 \\
\hline & Austria & 04 & 04 & Australia & 22 & 16 \\
\hline & Belgium & 05 & 05 & New Zealand & 26 & 17 \\
\hline & Denmark & 06 & 06 & Singapore & 24 & 18 \\
\hline & Finland & 07 & 07 & Malaysia & 25 & 19 \\
\hline & Ireland & 08 & 08 & China & 26 & 1A \\
\hline & Norway & 09 & 09 & Taiwan & 27 & 1B \\
\hline
\end{tabular}
\begin{tabular}{|l|l|c|c|l|c|c|}
\hline Address & \multicolumn{7}{|c|}{ Function } \\
\hline \multirow{6}{*}{} & Sweden & 10 & OA & Korea & 28 & \(1 C\) \\
\cline { 2 - 7 } & Switzerland & 11 & OB & Brazil & 29 & \(1 D\) \\
\cline { 2 - 7 } & Portugal & 12 & OC & Turkey & 32 & 20 \\
\cline { 2 - 7 } & Holland & 13 & OD & Greece & 33 & 21 \\
\cline { 2 - 7 } & Spain & 14 & OE & Hungary & 34 & 22 \\
\hline & Israel & 15 & OF & Czech & 35 & 23 \\
\cline { 2 - 7 } & USA & 17 & 11 & Poland & 36 & 24 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Address & Function & Unit & Remarks \\
\hline 680501 & Line current detection time & \multirow{3}{*}{20 ms} & \multirow[t]{3}{*}{\begin{tabular}{l}
Line current detection is disabled. \\
Line current is not detected if 680501 contains FF.
\end{tabular}} \\
\hline 680502 & Line current wait time & & \\
\hline 680503 & Line current drop detect time & & \\
\hline 680504 & PSTN dial tone frequency upper limit (high byte) & \multirow{2}{*}{Hz (BCD)} & \multirow[t]{2}{*}{If both addresses contain \(\mathrm{FF}(\mathrm{H})\), tone detection is disabled.} \\
\hline 680505 & PSTN dial tone frequency upper limit (low byte) & & \\
\hline 680506 & PSTN dial tone frequency lower limit (high byte) & \multirow{2}{*}{Hz (BCD)} & \multirow[t]{2}{*}{If both addresses contain FF(H), tone detection is disabled.} \\
\hline 680507 & PSTN dial tone frequency lower limit (low byte) & & \\
\hline 680508 & PSTN dial tone detection time & \multirow{4}{*}{20 ms} & \multirow[t]{4}{*}{If 680508 contains FF(H), the machine pauses for the pause time (address 68050D / 68050E). Italy: See Note 2.} \\
\hline 680509 & PSTN dial tone reset time (LOW) & & \\
\hline 68050A & PSTN dial tone reset time (HIGH) & & \\
\hline 68050B & PSTN dial tone continuous tone time & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Address & Function & Unit & Remarks \\
\hline 68050C & PSTN dial tone permissible drop time & & \\
\hline 68050D & PSTN wait interval (LOW) & & \multirow{2}{*}{-} \\
\hline 68050E & PSTN wait interval (HIGH) & & \\
\hline 68050F & PSTN ring-back tone detection time & 20 ms & Detection is disabled if this contains FF. \\
\hline 680510 & PSTN ring-back tone off detection time & 20 ms & - \\
\hline 680511 & PSTN detection time for silent period after ring-back tone detected (LOW) & 20 ms & - \\
\hline 680512 & PSTN detection time for silent period after ring-back tone detected (HIGH) & 20 ms & - \\
\hline 680513 & PSTN busy tone frequency upper limit (high byte) & \multirow{2}{*}{Hz (BCD)} & \multirow[t]{2}{*}{If both addresses contain FF(H), tone detection is disabled.} \\
\hline 680514 & PSTN busy tone frequency upper limit (low byte) & & \\
\hline 680515 & PSTN busy tone frequency lower limit (high byte) & \multirow{2}{*}{Hz (BCD)} & \multirow[t]{2}{*}{If both addresses contain FF(H), tone detection is disabled.} \\
\hline 680516 & PSTN busy tone frequency lower limit (low byte) & & \\
\hline 680517 & PABX dial tone frequency upper limit (high byte) & \multirow{2}{*}{Hz (BCD)} & \multirow[t]{2}{*}{If both addresses contain FF(H), tone detection is disabled.} \\
\hline 680518 & PABX dial tone frequency upper limit (low byte) & & \\
\hline 680519 & PABX dial tone frequency lower limit (high byte) & \multirow{2}{*}{Hz (BCD)} & \multirow[t]{2}{*}{If both addresses contain \(\mathrm{FF}(\mathrm{H})\), tone detection is disabled.} \\
\hline 68051A & PABX dial tone frequency lower limit (low byte) & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Address & Function & Unit & Remarks \\
\hline 68051B & PABX dial tone detection time & \multirow{7}{*}{20 ms} & \multirow{5}{*}{If 68051B contains FF, the machine pauses for the pause time (680520 I 680521).} \\
\hline 68051C & PABX dial tone reset time (LOW) & & \\
\hline 68051D & PABX dial tone reset time (HIGH) & & \\
\hline 68051E & PABX dial tone continuous tone time & & \\
\hline 68051F & PABX dial tone permissible drop time & & \\
\hline 680520 & PABX wait interval (LOW) & & \multirow{2}{*}{-} \\
\hline 680521 & PABX wait interval (HIGH) & & \\
\hline 680522 & PABX ringback tone detection time & 20 ms & \multirow[t]{2}{*}{If both addresses contain FF(H), tone detection is disabled.} \\
\hline 680523 & PABX ringback tone off detection time & 20 ms & \\
\hline 680524 & PABX detection time for silent period after ringback tone detected (LOW) & 20 ms & \multirow{2}{*}{If both addresses contain FF(H), tone detection is disabled.} \\
\hline 680525 & PABX detection time for silent period after ringback tone detected (HIGH) & 20 ms & \\
\hline 680526 & PABX busy tone frequency upper limit (high byte) & \multirow{2}{*}{Hz (BCD)} & \multirow[t]{2}{*}{If both addresses contain \(F F(H)\), tone detection is disabled.} \\
\hline 680527 & PABX busy tone frequency upper limit (low byte) & & \\
\hline 680528 & PABX busy tone frequency lower limit (high byte) & \multirow{2}{*}{Hz (BCD)} & \multirow[t]{2}{*}{If both addresses contain \(\operatorname{FF}(\mathrm{H})\), tone detection is disabled.} \\
\hline 680529 & PABX busy tone frequency lower limit (low byte) & & \\
\hline 68052A & Busy tone ON time: range 1 & \multirow{2}{*}{20 ms} & \multirow{2}{*}{-} \\
\hline 68052B & Busy tone OFF time: range 1 & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Address & Function & Unit & Remarks \\
\hline 68052C & Busy tone ON time: range 2 & & \\
\hline 68052D & Busy tone OFF time: range 2 & & \\
\hline 68052E & Busy tone ON time: range 3 & & \\
\hline 68052F & Busy tone OFF time: range 3 & \multirow{4}{*}{20 ms} & \\
\hline 680530 & Busy tone ON time: range 4 & & \\
\hline 680531 & Busy tone OFF time: range 4 & & \\
\hline 680532 & Busy tone continuous tone detection time & & \\
\hline 680533 & \multicolumn{3}{|l|}{\begin{tabular}{l}
Busy tone signal state time tolerance for all ranges, and number of cycles required for detection (a setting of 4 cycles means that ON-OFF-ON or OFF-ON-OFF must be detected twice). \\
Tolerance ( \(\pm\) ) \\
Bit 1: 0, Bit 0:0 \(=75 \%\) Bits 2 and 3 must always be kept at 0 . \\
Bit 1: 0 , Bit \(0: 0=50 \%\) Bits 2 and 3 must always be kept at 0 . \\
Bit 1: 0, Bit 0: \(0=25 \%\) \\
Bit 1: 0 , Bit 0: \(0=12.5 \%\) \\
Bits 7, 6, 5, 4-number of cycles required for cadence detection
\end{tabular}} \\
\hline 680534 & International dial tone frequency upper limit (high byte) & \multirow{2}{*}{Hz (BCD)} & \multirow[t]{2}{*}{If both addresses contain FF(H), tone detection is disabled.} \\
\hline 680535 & International dial tone frequency upper limit (low byte) & & \\
\hline 680536 & International dial tone frequency lower limit (high byte) & \multirow{2}{*}{Hz (BCD)} & \multirow[t]{2}{*}{If both addresses contain FF(H), tone detection is disabled.} \\
\hline 680537 & International dial tone frequency lower limit (low byte) & & \\
\hline 680538 & International dial tone detection time & \multirow{2}{*}{20 ms} & \multirow[t]{2}{*}{If 680538 contains FF, the machine pauses for the pause time (68053D / 68053E).} \\
\hline 680539 & International dial tone reset time (LOW) & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Address & Function & Unit & Remarks \\
\hline 68053A & International dial tone reset time (HIGH) & & \multirow[t]{3}{*}{Belgium: See Note 2.} \\
\hline 68053B & International dial tone continuous tone time & & \\
\hline 68053C & International dial tone permissible drop time & & \\
\hline 68053D & International dial wait interval (LOW) & & \multirow{2}{*}{-} \\
\hline 68053E & International dial wait interval
(HIGH) & & \\
\hline 68053F & Country dial tone upper frequency limit (HIGH) & \multirow{4}{*}{Hz (BCD)} & \multirow[t]{2}{*}{If both addresses contain \(\mathrm{FF}(\mathrm{H})\), tone detection is disabled.} \\
\hline 680540 & Country dial tone upper frequency limit (LOW) & & \\
\hline 680541 & Country dial tone lower frequency limit (HIGH) & & \multirow[t]{2}{*}{If both addresses contain FF(H), tone detection is disabled.} \\
\hline 680542 & Country dial tone lower frequency limit (LOW) & & \\
\hline 680543 & Country dial tone detection time & \multirow{3}{*}{20 ms} & \multirow{3}{*}{If 680543 contains FF, the machine pauses for the pause time (680548 / 680549).} \\
\hline 680544 & Country dial tone reset time (LOW) & & \\
\hline 680545 & Country dial tone reset time (HIGH) & & \\
\hline 680546 & Country dial tone continuous tone time & - & - \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 680547 & Country dial tone permissible drop time & \multirow{3}{*}{20 ms} & \multirow{3}{*}{-} \\
\hline 680548 & Country dial wait interval (LOW) & & \\
\hline 680549 & Country dial wait interval (HIGH) & & \\
\hline 68054A & Time between opening or closing the DO relay and opening the OHDI relay & 1 ms & \begin{tabular}{l}
See Notes 3, 6 and 8. \\
SP2-103-012 \\
(parameter 11).
\end{tabular} \\
\hline 68054B & Break time for pulse dialing & 1 ms & \begin{tabular}{l}
See Note 3. \\
SP2-103-013 \\
(parameter 12).
\end{tabular} \\
\hline 68054C & Make time for pulse dialing & 1 ms & \begin{tabular}{l}
See Note 3. \\
SP2-103-014 \\
(parameter 13).
\end{tabular} \\
\hline 68054D & Time between final OHDI relay closure and DO relay opening or closing & 1 ms & \begin{tabular}{l}
See Notes 3, 6 and 8. \\
SP2-103-015 \\
(parameter 14). \\
This parameter is only valid in Europe.
\end{tabular} \\
\hline 68054E & Minimum pause between dialed digits (pulse dial mode) & \multirow{2}{*}{20 ms} & \begin{tabular}{l}
See Note 3 and 8. \\
SP2-103-016 \\
(parameter 15).
\end{tabular} \\
\hline 68054F & Time waited when a pause is entered at the operation panel & & \begin{tabular}{l}
SP2-103-017 \\
(parameter 16). See Note 3.
\end{tabular} \\
\hline 680550 & DTMF tone on time & \multirow{2}{*}{1 ms} & \begin{tabular}{l}
SP2-103-018 \\
(parameter 17).
\end{tabular} \\
\hline 680551 & DTMF tone off time & & \begin{tabular}{l}
SP2-103-019 \\
(parameter 18).
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 680552 & Tone attenuation level of DTMF signals while dialing & \[
\begin{aligned}
& -\mathrm{N} \times 0.5 \\
& -3.5 \mathrm{dBm}
\end{aligned}
\] & \begin{tabular}{l}
SP2-103-020 \\
(parameter 19). \\
See Note 5.
\end{tabular} \\
\hline 680553 & Tone attenuation value difference between high frequency tone and low frequency tone in DTMF signals & -dBm x 0.5 & \begin{tabular}{l}
SP2-103-021 \\
(parameter 20). \\
The setting must be less than -5 dBm , and should not exceed the setting at 680552h above. \\
See Note 5.
\end{tabular} \\
\hline 680554 & PSTN: DTMF tone attenuation level after dialling & \[
\begin{aligned}
& -\mathrm{N} \times 0.5 \\
& -3.5 \mathrm{dBm}
\end{aligned}
\] & \begin{tabular}{l}
SP2-103-022 \\
(parameter 21). See Note 5.
\end{tabular} \\
\hline 680555 & ISDN: DTMF tone attenuation level after dialling & -dBm x 0.5 & See Note 5 \\
\hline 680556 & Not used & - & Do not change the settings. \\
\hline 680557 & Time between 68054Dh (NCU parameter 14) and 68054Eh (NCU parameter 15) & 1 ms & This parameter takes effect when the country code is set to France. \\
\hline 680558 & Not used & - & Do not change the setting. \\
\hline 680559 & Grounding time (ground start mode) & 20 ms & The Gs relay is closed for this interval. \\
\hline 68055A & Break time (flash start mode) & 1 ms & The OHDI relay is open for this interval. \\
\hline 68055B & International dial access code (High) & \multirow{2}{*}{BCD} & \multirow[t]{2}{*}{\begin{tabular}{l}
For a code of 100: \\
68055B - F1 \\
68055C - 00
\end{tabular}} \\
\hline 68055C & International dial access code (Low) & & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 68055D & PSTN access pause time & 20 ms & This time is waited for each pause input after the PSTN access code. If this address contains FF[H], the pause time stored in address 68054F is used. Do not set a number more than 7 in the UK. \\
\hline 68055E & Progress tone detection level, and cadence detection enable flags & \multicolumn{2}{|l|}{Bit 7: 0, Bit 6: 0, Bit 5: \(0=-25.0 \mathrm{dBm}\) Bit 7: 0, Bit 6: 0, Bit 5: \(1=-35.0 \mathrm{dBm}\) Bit 7: 0, Bit 6: 1, Bit 5: \(0=-30.0 \mathrm{dBm}\) Bit 7: 1, Bit 6: 0, Bit 5: \(0=-40.0 \mathrm{dBm}\) Bit 7: 1, Bit 6: 1, Bit 5: \(0=-49.0 \mathrm{dBm}\) Bits 2, 0 - See Note 2.} \\
\hline  & Not used & - & Do not change the settings. \\
\hline 680565 & Long distance call prefix (HIGH) & BCD & \multirow[t]{2}{*}{For a code of 0 :
\[
\begin{aligned}
& 680565-F F \\
& 680566-F F
\end{aligned}
\]} \\
\hline 680566 & Long distance call prefix (LOW) & BCD & \\
\hline \[
\begin{array}{|l}
680567 \\
\text { to } \\
680571
\end{array}
\] & Not used & - & Do not change the settings. \\
\hline 680572 & Acceptable ringing signal frequency: range 1, upper limit & \multirow{4}{*}{\[
\begin{aligned}
& 1000 / \mathrm{N} \\
& (\mathrm{~Hz}) .
\end{aligned}
\]} & \begin{tabular}{l}
SP2-103-003 \\
(parameter 02)
\end{tabular} \\
\hline 680573 & Acceptable ringing signal frequency: range 1 , lower limit & & SP2-103-004 (parameter 03) \\
\hline 680574 & Acceptable ringing signal frequency: range 2, upper limit & & \[
\begin{aligned}
& \text { SP2-103-005 } \\
& \text { (parameter 04). }
\end{aligned}
\] \\
\hline 680575 & Acceptable ringing signal frequency: range 2, lower limit & & \begin{tabular}{l}
SP2-103-006 \\
(parameter 05).
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline 680576 & Number of rings until a call is detected & \begin{tabular}{l}
SP2-103-007 \\
(parameter 06). \\
The setting must not be zero.
\end{tabular} \\
\hline 680577 & \begin{tabular}{l|l}
\begin{tabular}{l} 
Minimum required length of the \\
first ring
\end{tabular} & 20 ms
\end{tabular} & See Note 4. SP2-103-008 (parameter 07). \\
\hline 680578 & \begin{tabular}{l|l}
\begin{tabular}{l} 
Minimum required length of the \\
second and subsequent rings
\end{tabular} & 20 ms
\end{tabular} & \begin{tabular}{l}
SP2-103-009 \\
(parameter 08).
\end{tabular} \\
\hline 680579 & Ringing signal detection reset time (LOW) & SP2-103-010 (parameter 09). \\
\hline 68057A & Ringing signal detection reset time (HIGH) & SP2-103-011 (parameter 10). \\
\hline \[
\begin{aligned}
& \text { 68057B } \\
& \text { to } \\
& 680580
\end{aligned}
\] & Not used & Do not change the settings. \\
\hline 680581 & Interval between dialing the last digit and switching the Oh relay over to the external telephone when dialing from the operation panel in handset mode. & Factory setting: 500 ms \\
\hline 680582 & \begin{tabular}{l}
Bits 0 and 1 - Handset off-hook detection time Bit 1:0, Bit 0: \(0=200 \mathrm{~ms}\) \\
Bit 1:0, Bit 0: \(1=800 \mathrm{~ms}\) \\
Other Not used \\
Bits 2 and 3 - Handset on-hook detection time \\
Bit 3: 0, Bit 2: \(0=200 \mathrm{~ms}\) \\
Bit 3: 0, Bit 2: \(1=800 \mathrm{~ms}\) \\
Other Not used \\
Bits 4 to 7 - Not used
\end{tabular} & - \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline \begin{tabular}{l}
680583 \\
To \\
6805A0
\end{tabular} & Not used & - & Do not change the settings. \\
\hline 6805A1 & Acceptable CED detection frequency upper limit (high byte) & \multirow{2}{*}{BCD (Hz)} & \multirow[t]{2}{*}{If both addresses contain FF(H), tone detection is disabled.} \\
\hline 6805A2 & Acceptable CED detection frequency upper limit (low byte) & & \\
\hline 6805A3 & Acceptable CED detection frequency lower limit (high byte) & \multirow{2}{*}{BCD (Hz)} & \multirow[t]{2}{*}{If both addresses contain FF(H), tone detection is disabled.} \\
\hline 6805A4 & Acceptable CED detection frequency lower limit (low byte) & & \\
\hline 6805A5 & CED detection time & \[
\begin{aligned}
& 20 \mathrm{~ms} \pm 20 \\
& \mathrm{~ms}
\end{aligned}
\] & Factory setting: 200 ms \\
\hline 6805A6 & Acceptable CNG detection frequency upper limit (high byte) & \multirow{2}{*}{BCD (Hz)} & \multirow[t]{2}{*}{If both addresses contain \(\operatorname{FF}(\mathrm{H})\), tone detection is disabled.} \\
\hline 6805A7 & Acceptable CNG detection frequency upper limit (low byte) & & \\
\hline 6805A8 & Acceptable CNG detection frequency lower limit (high byte) & \multirow{2}{*}{BCD (Hz)} & \multirow[t]{2}{*}{If both addresses contain FF(H), tone detection is disabled.} \\
\hline 6805A9 & Acceptable CNG detection frequency lower limit (low byte) & & \\
\hline 6805AA & Not used & - & Do not change the setting. \\
\hline 6805AB & CNG on time & 20 ms & Factory setting: 500 ms \\
\hline 6805AC & CNG off time & 20 ms & Factory setting: 3000 ms \\
\hline 6805AD & Number of CNG cycles required for detection & - & The data is coded in the same way as address 680533. \\
\hline 6805AE & Not used & - & Do not change the settings. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline 6805AF & Acceptable AI short protocol tone \((800 \mathrm{~Hz})\) detection frequency upper limit (high byte) & \multirow{2}{*}{Hz (BCD)} & \multirow{2}{*}{If both addresses contain FF(H), tone detection is disabled.} \\
\hline 6805B0 & Acceptable AI short protocol tone \((800 \mathrm{~Hz})\) detection frequency upper limit (low byte) & & \\
\hline 6805B1 & Acceptable AI short protocol tone \((800 \mathrm{~Hz})\) detection frequency lower limit (high byte) & \multirow{2}{*}{\(\mathrm{Hz}(\mathrm{BCD})\)} & \multirow{2}{*}{If both addresses contain FF(H), tone detection is disabled.} \\
\hline 6805B2 & Acceptable AI short protocol tone \((800 \mathrm{~Hz})\) detection frequency lower limit (low byte) & & \\
\hline 6805B3 & Detection time for 800 Hz Al short protocol tone & 20 ms & Factory setting: 360 ms \\
\hline 6805B4 & PSTN: Tx level from the modem & -N-3 dBm & \begin{tabular}{l}
SP2-103-002 \\
(parameter 01).
\end{tabular} \\
\hline 6805B5 & PSTN: 1100 Hz tone transmission level & \multicolumn{2}{|l|}{- N 6805B4-0.5N 6805B5-3.5 (dB) See Note 7.} \\
\hline 6805B6 & PSTN: 2100 Hz tone transmission level & \multicolumn{2}{|l|}{- N6805B4-0.5N 6805B6-3 (dB) See Note 7.} \\
\hline 6805B7 & PABX: Tx level from the modem & - dBm & \\
\hline 6805B8 & PABX: 1100 Hz tone transmission level & \multicolumn{2}{|l|}{- N 6805B7-0.5N 6805B8 (dB)} \\
\hline 6805B9 & PABX: 2100 Hz tone transmission level & \multicolumn{2}{|l|}{- N 6805B7-0.5N 6805B9 (dB)} \\
\hline 6805BD & Modem turn-on level (incoming signal detection level) & \[
\begin{aligned}
& -37-0.5 \mathrm{~N} \\
& (\mathrm{dBm})
\end{aligned}
\] & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline \[
\begin{aligned}
& \text { 6805BE to } \\
& \text { 6805C6 }
\end{aligned}
\] & Not used & Do not change the settings. \\
\hline 6805C7 & \multicolumn{2}{|l|}{\begin{tabular}{l}
Bits 0 to 3 - Not used \\
Bit \(4=\mathrm{V} .34\) protocol dump 0 : Simple, 1: Detailed (default) Bits 5 to 7 - Not used.
\end{tabular}} \\
\hline 6805C8 to 6805D9 & Not used & Do not change the settings. \\
\hline 6805DA &  & \\
\hline \begin{tabular}{l}
6805EO bit \\
3
\end{tabular} & \begin{tabular}{l|l} 
Maximum wait time for post & \(0: 12 \mathrm{~s}\) \\
message & \(1: 30 \mathrm{~s}\)
\end{tabular} & 1: Maximum wait time for post message (EOP/EOM/MPS) can be changed to 30 s . Change this bit to " 1 " if communication errors occur frequently during V. 17 reception. \\
\hline 6805E3 & \multicolumn{2}{|l|}{\begin{tabular}{l}
Bits 0 and \(1-\) DCV (TIP/RING) Voltage \\
Bit 1:0, Bit 0: \(0=3.1 \mathrm{~V}\) \\
Bit 1:0, Bit 0: \(1=3.2 \mathrm{~V}\) \\
Bit 1:1, Bit 0: \(0=3.35 \mathrm{~V}\) \\
Bit 1:1, Bit 0: \(1=3.5 \mathrm{~V}\) \\
Bits 2 and \(3-\mathrm{MINI}\) (minimum loop electric current) \\
Bit 2:0, Bit 3: \(0=10 \mathrm{~mA}\) \\
Bit 2:0, Bit 2: \(1=12 \mathrm{~mA}\) \\
Bit 2:1, Bit 3: \(0=14 \mathrm{~mA}\) \\
Bit 2:1, Bit 3: \(1=16 \mathrm{~mA}\) \\
Bits 6 and \(7-\) ACIM (AC impedance) \\
Bit 7:0, Bit 6: 0 Bit 5:0, Bit 4: \(0=600\) \\
Bit 7:0, Bit 6: 0 Bit 5:1, Bit 4: 0= TBR21
\end{tabular}} \\
\hline
\end{tabular}


\section*{NOTES}
1. If a setting is not required, store FF in the address.
2. Italy and Belgium only

RAM address 68055E: the lower four bits have the following meaning.
Bit 2-1: International dial tone cadence detection enabled (Belgium)
Bit 1 - Not used
Bit 0-1: PSTN dial tone cadence detection enabled (Italy)

If bit 0 or bit 2 is set to 1 , the functions of the following RAM addresses are changed.
680508 (if bit \(0=1\) ) or 680538 (if bit \(2=1\) ): tolerance for on or off state
duration (\%), and number of cycles required for detection, coded as in address 680533.
68050B (if bit \(0=1\) ) or 68053B (if bit \(2=1\) ): on time, hex code (unit \(=20 \mathrm{~ms}\) )
68050 C (if bit \(0=1\) ) or 68053C (if bit \(2=1\) ): off time, hex code (unit \(=20 \mathrm{~ms}\) )
3. Pulse dial parameters (addresses 68054A to 68054F) are the values for 10 pps . If 20 pps is used, the machine automatically compensates.
4. The first ring may not be detected until 1 to 2.5 wavelengths after the time specified by this parameter.
5. The calculated level must be between 0 and 10.

The attenuation levels calculated from RAM data are:
High frequency tone:
- \(\quad-0.5 \times \mathrm{N}_{680552} / 680554-3.5 \mathrm{dBm}\)
- \(\quad-0.5 \times \mathrm{N}_{680555} \mathrm{dBm}\)

Low frequency tone:
- \(\quad-0.5 \times\left(\mathrm{N}_{680552} / 680554+\mathrm{N}_{680553}\right)-3.5 \mathrm{dBm}\)
- \(\quad-0.5 \times\left(\mathrm{N}_{680555}+\mathrm{N}_{680553}\right) \mathrm{dBm}\)
- \(\quad \mathrm{N}_{680552}\), for example, means the value stored in address 680552(H)
6. 68054A: Europe - Between Ds opening and Di opening, France - Between Ds closing and Di opening
68054D: Europe - Between Ds closing and Di closing, France - Between Ds opening and Di closing
7. Tone signals which frequency is lower than 1500 Hz (e.g., 800 Hz tone for Al short protocol) refer to the setting at 6805B5h. Tones which frequency is higher than 1500 Hz refer to the setting at 6805B6h.
8. 68054A, 68054D, 68054E: The actual inter-digit pause (pulse dial mode) is the sum of the period specified by the RAM addresses 68054A, 68054D, and 68054E.

\subsection*{4.10 DEDICATED TRANSMISSION PARAMETERS}

There are two sets of transmission parameters: Fax and E-mail
Each Quick Dial Key and Speed Dial Code has eight bytes of programmable parameters allocated to it. If transmissions to a particular machine often experience problems, store that terminal's fax number as a Quick Dial or Speed Dial, and adjust the parameters allocated to that number. The programming procedure will be explained first. Then, the eight bytes will be described.

\subsection*{4.10.1 PROGRAMMING PROCEDURE}
1. Set the bit 0 of System Bit Switch 00 to 1.
2. Enter Address Book Management mode ([User Tools]> System Settings> Key Operator> Address Book Management).
3. Select the address book that you want to program.
4. For the fax parameter, select "Fax Dest.", for the E-mail parameter, select "E-mail", then press "Start". Make sure that the LED of the Start button lights green.
5. The settings for the switch 00 are now displayed. Press the bit number that you wish to change.
6. To scroll through the parameter switches, either:
7. Select the next switch: press "Next" or Select the previous switch: "Prev." until the correct switch is displayed. Then go back to step 6.
8. After the setting is changed, press "OK".
9. After finishing, reset bit 0 of System Bit Switch 00 to 0 .

\subsection*{4.10.2 PARAMETERS}

\section*{Fax Parameters}

The initial settings of the following fax parameters are all FF(H) - all the parameters are disabled.

\section*{Switch 00}

\section*{FUNCTION AND COMMENTS}

ITU-T T1 time (for PSTN G3 mode)
If the connection time to a particular terminal is longer than the NCU parameter setting, adjust this byte. The T1 time is the value stored in this byte (in hex code), multiplied by 1 second.

\section*{Range:}

0 to 120 s (00h to 78h)
FFh - The local NCU parameter factory setting is used.
Do not program a value between 79 h and FEh.
\begin{tabular}{|c|c|c|c|c|c|c|c|}
\hline \multicolumn{8}{|l|}{Switch 01} \\
\hline No & \multicolumn{6}{|c|}{FUNCTION} & COMMENTS \\
\hline \multirow{10}{*}{0-4} & \multicolumn{6}{|l|}{Tx level} & \multirow[b]{5}{*}{If communication with a particular remote terminal often contains errors, the signal level may be inappropriate. Adjust the Tx level for communications with that terminal until the results are better.} \\
\hline & Bit4 & Bit3 & Bit2 & Bit1 & Bit0 & & \\
\hline & 0 & 0 & 0 & 0 & 0 & 0 & \\
\hline & 0 & 0 & 0 & 0 & 1 & -1 & \\
\hline & 0 & 0 & 0 & 1 & 0 & -2 & \\
\hline & 0 & 0 & 0 & 1 & 1 & -3 & If the setting is "Disabled", the NCU \\
\hline & 0 & 0 & 1 & 0 & 0 & -4 & \begin{tabular}{l}
parameter 01 setting is used. \\
Note \\
- Do not use settings other than listed on the left.
\end{tabular} \\
\hline & \(\downarrow\) & \(\downarrow\) & \(\downarrow\) & \(\downarrow\) & \(\downarrow\) & \(\downarrow\) & \multirow[t]{3}{*}{- Do not use settings other than listed on the left.} \\
\hline & 0 & 1 & 1 & 1 & 1 & -15 & \\
\hline & 1 & 1 & 1 & 1 & 1 & Disabled & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline 5-7 & \begin{tabular}{l}
Cable equalizer \\
Bit 7: 0, Bit 6: 0, Bit 5: \(0=\) None \\
Bit 7: 0, Bit 6: 0, Bit 5: 1 = Low \\
Bit 7: 0, Bit 6: 1, Bit 5: \(0=\) Medium \\
Bit 7: 0, Bit 6: 1, Bit 5: \(1=\) High \\
Bit 7: 1, Bit 6: 1, Bit 5: \(1=\) Disabled
\end{tabular} & \begin{tabular}{l}
Use a higher setting if there is signal loss at higher frequencies because of the length of wire between the modem and the telephone exchange when calling the number stored in this Quick/Speed Dial. \\
Also, try using the cable equalizer if one or more of the following symptoms occurs. \\
Communication error with error codes such as 0-20, 0-23, etc. Modem rate fallback occurs frequently. \\
Note \\
- Do not use settings other than listed on the left. If the setting is "Disabled", the bit switch setting is used.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|}
\hline \multicolumn{7}{|l|}{Switch 02} \\
\hline No & \multicolumn{5}{|c|}{FUNCTION} & COMMENTS \\
\hline \multicolumn{6}{|c|}{Initial Tx modem rate} & \multirow[b]{5}{*}{\begin{tabular}{l}
If training with a particular remote terminal always takes too long, the initial modem rate may be too high. Reduce the initial Tx modem rate using these bits. \\
For the settings 14.4 or kbps slower, Switch
\end{tabular}} \\
\hline \multirow{10}{*}{0-3} & Bit3 & Bit2 & Bit1 & Bit0 & bps & \\
\hline & 0 & 0 & 0 & 0 & Not used & \\
\hline & 0 & 0 & 0 & 1 & 2400 & \\
\hline & 0 & 0 & 1 & 0 & 4800 & \\
\hline & 0 & 0 & 1 & 1 & 7200 & 04 bit 4 must be changed to 0 . \\
\hline & 0 & 1 & 0 & 0 & 9600 & \(\downarrow\) Note \\
\hline & 0 & 1 & 0 & 1 & 12000 & on the left. If the setting is \\
\hline & 0 & 1 & 1 & 0 & 14400 &  \\
\hline & 0 & 1 & 1 & 1 & 16800 & \\
\hline & 1 & 0 & 0 & 0 & 19200 & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|}
\hline & 1 & 0 & 0 & 1 & 21600 & \\
\hline & 1 & 0 & 1 & 0 & 24000 & \\
\hline & 1 & 0 & 1 & 1 & 26400 & \\
\hline & 1 & 1 & 0 & 0 & 28800 & \\
\hline & 1 & 1 & 0 & 1 & 31200 & \\
\hline & 1 & 1 & 1 & 0 & 33600 & \\
\hline & 1 & 1 & 1 & 1 & Disabled & \\
\hline & \multicolumn{5}{|l|}{Other settings: Not used} & \\
\hline 4-7 & \multicolumn{5}{|l|}{Not used} & Do not change the settings. \\
\hline
\end{tabular}

\section*{Switch 03}
\begin{tabular}{|c|c|c|}
\hline No & FUNCTION & COMMENTS \\
\hline 0-1 & \begin{tabular}{l}
Inch-mm conversion before tx \\
Bit 1: 0, Bit 0: 0 \\
= Inch-mm conversion \\
available \\
Bit 1: 0, Bit 0: 1 = Inch only \\
Bit 1: 1, Bit 0: \(0=\) Not used \\
Bit 1: 1, Bit 0: 1 = Disabled
\end{tabular} & \begin{tabular}{l}
If "inch only" is selected on the machine uses inch-based resolutions for scanning, the printed copy may be slightly distorted at the other end if that machine uses mm-based resolutions. If the setting is "Inch-mm conversion available ", Inch-mm conversion become effective to the special senders. \\
If the setting is "Disabled", the bit switch setting is used.
\end{tabular} \\
\hline 2-3 & \begin{tabular}{l}
DIS/NSF detection method \\
Bit 3: 0, Bit 2: 0 \\
= First DIS or NSF \\
Bit 3: 0, Bit 2: 1 \\
= Second DIS or NSF \\
Bit 3: 1, Bit 2: \(0=\) Not used \\
Bit 3: 1, Bit 2: 1 = Disabled
\end{tabular} & \((0,1)\) : Use this setting if echoes on the line are interfering with the set-up protocol at the start of transmission. The machine will then wait for the second DIS or NSF before sending DCS or NSS. If the setting is "Disabled", the bit switch setting is used. \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline 4 & \begin{tabular}{l}
V. 8 protocol \\
0: Off \\
1: Disabled
\end{tabular} & \begin{tabular}{l}
If transmissions to a specific destination always end at a lower modem rate (14,400 bps or lower), disable V. 8 protocol so as not to use V. 34 protocol. \\
0 : V. 34 communication will not be possible. \\
If the setting is "Disabled", the bit switch setting is used.
\end{tabular} \\
\hline 5 & \begin{tabular}{l}
Compression modes available \\
in transmit mode \\
0: MH only \\
1: Disabled
\end{tabular} & This bit determines the capabilities that are informed to the other terminal during transmission If the setting is "Disabled", the bit switch setting is used. \\
\hline 6-7 & \begin{tabular}{l}
ECM during transmission \\
Bit 7: 0, Bit 6: \(0=\) Off \\
Bit 7: 0, Bit 6: \(1=0 n\) \\
Bit 7: 1, Bit 6: \(0=\) Not used \\
Bit 7: 1, Bit 6: 1 = Disabled
\end{tabular} & \begin{tabular}{l}
For example, if ECM is switched on but is not wanted when sending to a particular terminal, use the \((0,0)\) setting. \\
Note \\
- V.8/V. 34 protocol and JBIG compression are automatically disabled if ECM is disabled. \\
- If the setting is "Disabled", the bit switch setting is used.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|l|}
\hline Switch 04 - Not used (do not change the settings) \\
\hline Switch 05 - Not used (do not change the settings) \\
\hline Switch 06 - Not used (do not change the settings) \\
\hline Switch 07 - Not used (do not change the settings) \\
\hline Switch 08 - Not used (do not change the settings) \\
\hline Switch 09 - Not used (do not change the settings) \\
\hline
\end{tabular}

\section*{E-mail Parameters}

The initial settings of the following e-mail parameters are all "0" (all parameters disabled).
\begin{tabular}{|c|c|c|}
\hline \multicolumn{2}{|l|}{ Switch 00} & \\
\hline No & FUNCTION & COMMENTS \\
\hline
\end{tabular}
\begin{tabular}{|c|l|l|}
\hline 0 & \begin{tabular}{l} 
MH Compression mode \\
for e-mail attachments \\
0: Off \\
1: On
\end{tabular} & \begin{tabular}{l} 
Switches MH compression on and off for files \\
attached to e-mails for sending.
\end{tabular} \\
\hline 1 & \begin{tabular}{l} 
MR Compression mode \\
for e-mail attachments \\
0: Off \\
1: On
\end{tabular} & \begin{tabular}{l} 
Switches MR compression on and off for files \\
attached to e-mails for sending.
\end{tabular} \\
\hline 2 & \begin{tabular}{l} 
MMR Compression mode \\
for e-mail attachments \\
0: Off \\
1: On
\end{tabular} & \begin{tabular}{l} 
Switches MMR compression on and off for files \\
attached to e-mails for sending.
\end{tabular} \\
\hline \(3-6\) & Not used & \begin{tabular}{l} 
Designates the bits to \\
reference for \\
compression method of \\
e-mail attachments \\
0: Registered (Bit 0 to 6) \\
1: No registration.
\end{tabular} \\
\begin{tabular}{l} 
The "0" selection (default) references the settings for \\
Bits 00, 01, 02 above. The "1" selection ignores the \\
selections of Bits 00, 01, 02.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|l|l|}
\hline \multicolumn{2}{|l|}{ Switch 01 } & \\
\hline No & \multicolumn{1}{|c|}{ FUNCTION } & \multicolumn{1}{c|}{ COMMENTS } \\
\hline 0 & \begin{tabular}{l} 
Original width of e-mail \\
attachment: A4 \\
0: Off \\
1: On
\end{tabular} & \begin{tabular}{l} 
Sets the original width of the e-mail attachment as \\
A4.
\end{tabular} \\
\hline 1 & \begin{tabular}{l} 
Original width of e-mail \\
attachment: B4 \\
0: Off \\
1: On
\end{tabular} & \begin{tabular}{l} 
Sets the original width of the e-mail attachment as \\
B4.
\end{tabular} \\
\hline 2 & \begin{tabular}{l} 
Original width of e-mail \\
attachment: A3 \\
0: Off \\
1: On
\end{tabular} & \begin{tabular}{l} 
Sets the original width of the e-mail attachment as \\
A3.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|l|l|}
\hline \(3-6\) & Not used & Do not change these settings. \\
\hline 7 & \begin{tabular}{l} 
Designates the bits to \\
reference for original size \\
of e-mail attachments \\
0: Registered (Bit 0 to 6) \\
1: No registration.
\end{tabular} & \begin{tabular}{l} 
The "0" selection (default) references the settings for \\
Bits 00, 01, 02 above. The "1" selection ignores the \\
selections of Bits 00, 01, 02.
\end{tabular} \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|}
\hline \multicolumn{2}{|l|}{Switch 02} & \\
\hline No & FUNCTION & COMMENTS \\
\hline 0 & \begin{tabular}{l}
Line resolution of e-mail \\
attachment: \(200 \times 100\) \\
0: Off \\
1: On
\end{tabular} & Sets the line resolution of the e-mail attachment as \(200 \times 100\). \\
\hline 1 & \begin{tabular}{l}
Line resolution of e-mail attachment: \(200 \times 200\) \\
0: Off \\
1: On
\end{tabular} & Sets the line resolution of the e-mail attachment as \(200 \times 200\). \\
\hline 2 & \begin{tabular}{l}
Line resolution of e-mail attachment: \(200 \times 400\) \\
0: Off \\
1: On
\end{tabular} & Sets the line resolution of the e-mail attachment as \(200 \times 400\). \\
\hline 3 & Not used & Do not change these settings. \\
\hline 4 & \begin{tabular}{l}
Line resolution of e-mail attachment: \(400 \times 400\) \\
0: Off \\
1: On
\end{tabular} & Sets the line resolution of the e-mail attachment as \(400 \times 400\). \\
\hline 5-6 & Not used & Do not change these settings. \\
\hline 7 & \begin{tabular}{l}
Designates the bits to reference for original size of e-mail attachments \\
0: Registered (Bit 0 to 6 ) \\
1: No registration.
\end{tabular} & The "0" selection (default) references the settings for Bits 00, 01, 02, 04 above. The "1" selection ignores the selections of Bits 00, 01, 02, 04 . \\
\hline
\end{tabular}

Switch 03 - Not used (do not change the settings)
\begin{tabular}{|c|c|l|}
\hline \multicolumn{2}{|l|}{ Switch 04 } & \\
\hline No & \multicolumn{1}{|c|}{ FUNCTION } & \multicolumn{1}{c|}{ COMMENTS } \\
\hline 0 & \begin{tabular}{l} 
Full mode address \\
selection \\
0: Full mode address \\
1: No full mode (simple \\
mode)
\end{tabular} & \begin{tabular}{l} 
If the other ends have the addresses, which have \\
the full mode function flag ("0"), this machine \\
determines them as full mode standard machines. \\
This machine attaches the "demand of reception \\
confirmation" to a message when transmitting. \\
This machine updates the reception capability to \\
the address book when receiving.
\end{tabular} \\
\hline \(1-7\) & Not used & Do not change these settings. \\
\hline
\end{tabular}
\begin{tabular}{|c|l|l|}
\hline \multicolumn{2}{|l|}{ Switch 05 } & \\
\hline No & \multicolumn{1}{|c|}{ FUNCTION } & \multicolumn{1}{c|}{ COMMENTS } \\
\hline 0 & \begin{tabular}{l} 
Directr transmission \\
selection to SMTP server \\
0: ON \\
1: OFF
\end{tabular} & \begin{tabular}{l} 
Allows or does not allow the direct transmission to \\
SMTP server.
\end{tabular} \\
\hline \(1-7\) & Not used & Do not change these settings. \\
\hline
\end{tabular}

Switch 06 - Not used (do not change the settings)
Switch 07 - Not used (do not change the settings)
Switch 08 - Not used (do not change the settings)
Switch 09 - Not used (do not change the settings)

\subsection*{4.11 SERVICE RAM ADDRESSES}

\section*{\(\triangle\) CAUTION}
- Do not change the settings which are marked as "Not used" or "Read only."

680001 to 680004(H) - ROM version (Read only)
680001(H) - Revision number (BCD)
680002(H) - Year (BCD)
680003(H) - Month (BCD)
680004(H) - Day (BCD)
680006 to 680015(H) - Machine's serial number (16 digits - ASCII)
680016(H) - Language code
0: Japanese, 1: UK English, 2: US English, 3: French, 4: German, 5: Spanish, 6: Italian, 7: Dutch,
8: Swedish, 9: Norwegian, 10: Danish, 11: Finnish, 12: Czech, 13: Hungarian, 14: Polish, 15:
Portuguese, 16: Russian, 17: Traditional Chinese, 18: Simplified Chinese, 19: Korean
680018(H) - Total program checksum (low)
680019(H) - Total program checksum (high)
680020 to 68003F(H) - System bit switches
680050 to \(68005 \mathrm{~F}(\mathrm{H})\) - Printer bit switches
680060 to \(68007 \mathrm{~F}(\mathrm{H})\) - Communication bit switches
680080 to \(68008 F(H)\) - G3 bit switches
680090 to 68009F(H) - G3-2 bit switches: Not used
6800A0 to 6800AF(H) - G3-3 bit switches: Not used
6800D0(H) - User parameter switch 00 (SWUER_00) : Not used
6800D1(H) - User parameter switch 01 (SWUSR_01) : Not used
6800D2(H) - User parameter switch 02 (SWUSR_02)
Bit 0: Forwarding mark printing on forwarded messages 0: Disabled, 1: Enabled
Bit 1: Center mark printing on received copies
(This switch is not printed on the user parameter list.)
0: Disabled, 1: Enabled
Bit 2: Reception time printing
(This switch is not printed on the user parameter list.)
0 : Disabled, 1: Enabled
Bit 3: TSI print on received messages 0: Disabled, 1: Enabled
Bit 4: Checkered mark printing
(This switch is not printed on the user parameter list.)
0: Disabled, 1: Enabled
Bit 5: Not used
Bit 6: Not used
Bit 7: Not used

6800D3(H) - User parameter switch 03 (SWUSR_03: Automatic report printout)
Bit 0: Transmission result report (memory transmissions) 0: Off, 1: On
Bit 1: Not used
Bit 2: Memory storage report 0 : Off, 1: On
Bit 3: Polling reserve report (polling reception) 0 : Off, 1: On
Bit 4: Polling result report (polling reception) 0 : Off, 1 : On
Bit 5: Transmission result report (immediate transmissions) 0: Off, 1: On
Bit 6: Not used
Bit 7: Journal 0: Off, 1: On
6800D4(H) - User parameter switch 04 (SWUSR_04: Automatic report printout)
Bit 0: Not used
Bit 1: Automatic communication failure report and transfer result report output 0: Off, 1: On
Bits 2 to 3: Not used
Bit 4: Indicates the parties 0: Not indicated, 1: Indicated
Bit 5: Include sender's name on reports 0 : Off, 1: On
Bit 6: Not used
Bit 7: Inclusion of a sample image on reports 0: Off, 1: On

\section*{6800D5(H) - User parameter switch 05 (SWUSR_05)}

Bit 0: Substitute reception when the base copier is in an SC condition
0: Enabled, 1: Disabled
Bits 1 and 2: Condition for substitute rx when the machine cannot print messages (Paper end, toner end, jam, and during night mode)
Bit 2: 0 , Bit 1: \(0=\) The machine receives all the fax messages.
Bit 2: 0, Bit 1: \(1=\) The machine receives the fax messages with RTI or CSI.
Bit 2: 1, Bit 1: \(0=\) The machine receives the fax messages with the same ID code.
Bit 2: 1, Bit 1: 1 = The machine does not receive anything.
Bit 3: Not used
Bit 4: Not used
Bit 5: Just size printing 0: Off, 1: On
Bit 6: Not used
Bit 7: Add paper display when a cassette is empty 0 : Off, 1 : On
6800D6(H) - User parameter switch 06 (SWUSR_06): Not used
6800D7(H) - User parameter switch 07 (SWUSR_07)
Bit 0 Ringing 0: Off, 1: On
Bit1: Automatic answering message 0: Off, 1: On
Bit 2: Parallel memory transmission 0: Off, 1: On
Bits 3 and 4: Not used
Bit 5: Remote control 0: Off, 1: On
Bits 6 and 7: Not used

6800D8(H) - User parameter switch 08 (SWUSR_08)
Bits 0 and 1: Not used.
Bit 2: Authorized reception
0: Only faxes from senders whose RTIs/CSIs are specified for this feature are accepted.
1: Only faxes from senders whose RTIs/CSIs are not specified for this feature are accepted.
Bits 3 to 7: Not used.
6800D9(H) - User parameter switch 09 (SWUSR_09): Not used
6800DA(H) - User parameter switch 10 (SWUSR_0A)
Bits 0 to 2: Not used
Bit 3: Page reduction 0: Off, 1: On
Bits 4 and 5: Not used
Bit 6: Use both e-mail notification and printed reports to confirm the transmission results 0: Off, 1:

\section*{On}

Bit 7: Not used
6800DB(H) - User parameter switch 11 (SWUSR_0B)
Bits 0 and 1: Not used
Bit 2: White original detection 0: Off, 1: On (alarm and alert message on the LCD)
Bit 3: Receive rejection for 1300 Hz transmission 0: Off (receive), 1: On (not receive)
Bit 5: Not used
Bit 6: Printout of messages received while acting as a forwarding station 0 : Off, 1: On
Bit 7: Not used
6800DC(H) - User parameter switch 12 (SWUSR_0C): Not used
6800DD(H) - User parameter switch 13 (SWUSR_OD): Not used
6800DE(H) - User parameter switch 14 (SWUSR_0E)
Bit 0: Message printout while the machine is in Night Printing mode 0: On, 1: Off
Bit 1: Maximum document length detection 0: Double letter, 1: Longer than double-letter (well log) - up to \(1,200 \mathrm{~mm}\)

Bit 2: Not used
Bit 3: Fax mode settings, such as resolution, before a mode key (Copy/Fax/Printer/Scanner) is pressed 0: Not cleared, 1: Cleared
Bits 4 to 6: Not used
Bit 7: Not used

\section*{6800DF(H) - User parameter switch 15 (SWUSR_0F)}
(This switch is not printed on the user parameter list.)
Bits 0,1 and 2: Cassette for fax printout
Bit 2: 0, Bit 1: 0 , Bit \(0: 1=1\) st paper feed station
Bit 2: 0, Bit 1: 1, Bit 0:0 \(=2\) nd paper feed station
Bit 2: 0 , Bit 1: 1, Bit 0: \(1=3\) rd paper feed station
Bit 2: 1, Bit 1: 0 , Bit 0:0 \(0=4\) th paper feed station

Bit 2: 1, Bit 1: 0, Bit 0: 1 = LCT
Other settings Not used
Bits 3 and 4: Not used
Bit 5: Using the cassette specified by bits 0,1 and 2 above only 0 : On, 1: Off
Bits 6 and 7: Not used
6800E0(H) - User parameter switch 16 (SWUSR_10)
(This switch is not printed on the user parameter list.)
Bits 0 and 1: Not used
Bit 2: Paper size selection priority for an A4 size fax message when A4/LT size paper is not available. 0: A3 has priority, 1: B4 has priority

Bits 3 to 7: Not used
6800E1(H) - User parameter switch 17 (SWUSR_11)
Bit 0: Not used
Bit 1: Not used
Bit 2: Inclusion of the "Add" button when a sequence of Quick/Speed dials is selected for broadcasting 0:Not needed, 1: Needed
Bits 3 to 6: Not used
Bit 7: Press "Start" key without an original when using the on hook dial or the external telephone, 0 : displays "Cannot detect original size". 1: Receives fax messages.
6800E2(H) - User parameter switch 18 (SWUSR_12)
Bit 0: TTI date 0: Off, 1: On
Bit 1: TTI sender 0: Off, 1: On
Bit 2: TTI file number 0: Off, 1: On
Bit 3: TTI page number 0 : Off, 1: On
Bits 4 to 6: Not used
Bit 7: Japan only
6800E3(H) - User parameter switch 19 (SWUSR_13)
Bit 0: Not used
Bit 1: Journal format
0 : The Journal is separated into transmissions and receptions
1: The Journal is separated into G3-1, G3-2, and G3-3 communications
Bit 2: Not used
Bit 3: \(90^{\circ}\) image rotation during B5 portrait Tx (This switch is not printed on the user parameter list.) 0: Off, 1: On
Bit 4: Reduction of sample images on reports to \(50 \%\) in the main scan and sub-scan directions.
(This switch is not printed on the user parameter list.) 0 : Technician adjustment (printer switch 0E bits 3 and 4), 1: 50\% reduction

Bit 5: Use of A5 size paper for reports (This switch is not printed on the user parameter list.) 0: Off, 1: On

Bits 6 and 7: Not used
6800E4(H) - User parameter switch 20 (SWUSR_14)
Bit 0: Automatic printing of the LAN fax result report 0: Off, 1: On
Bit 1: Not used.
Bits 2 to 5: Store documents in memory which could not be printed from PC fax (LAN fax) driver
\begin{tabular}{|c|c|c|c|c|}
\hline Bit 5 & Bit 4 & Bit 3 & Bit 2 & Setting \\
\hline 0 & 0 & 0 & 0 & 0 min. \\
\hline 0 & 0 & 0 & 1 & 1 min. \\
\hline\(\downarrow\) & \(\downarrow\) & \(\downarrow\) & \(\downarrow\) & \(\downarrow\) \\
\hline 1 & 1 & 1 & 0 & 14 min. \\
\hline 1 & 1 & 1 & 1 & 15 min. \\
\hline
\end{tabular}

Bits 6 and 7: Not used.
6800E5(H) - User parameter switch 21 (SWUSR_15)
Bit 0: Print results of sending reception notice request message 0 : Disabled (print only when error occurs), 1: Enabled

Bit 1: Respond to e-mail reception acknowledgment request 0: Disabled, 1: Enabled
Bit 2: Not used
Bit 3: File format for forwarded folders 0: TIFF, 1:PDF
Bit 4: Transmit Journal by E-mail 0: Disabled, 1: Enabled
Bit 5: Not used
Bit 6: Network error display 0: Displayed, 1: Not displayed
Bit 7: Transmit error mail notification 0: Enabled, 1: Disabled

\section*{6800E6(H) - User parameter switch 22 (SWUSR_16)}
(This switch is not printed on the user parameter list.)
Bit 0: Dial tone detection (PSTN 1) 0: Disabled, 1: Enabled
Bits 1 to 7: Not used
6800E7(H) - User parameter switch 23 (SWUSR_17): Not used
6800E8(H) - User parameter switch 24 (SWUSR_18): Not used
6800E9(H) - User parameter switch 25 (SWUSR_19)
Bit 0: Not used
Bit 1: Reception mode switch timer 0: Off, 1: On (switching Fax or Fax/Tel)
Bit 2: Mode priority switch 0: Fax first, 1: Tel first
Bit 3: Dial in function (Japan Only)
Bit 4: RDS operation 0: Not acceptable, 1: Acceptable for the limit specified by system switch 03

\section*{Note}
- This bit is only effective when RDS operation can be selected by the user (see system switch 02).
Bits 5 to 7: Not used
6800EA(H) and 6800EB(H) - User parameter switches 26 and 27 (SWUSR_1A and 1B): Not used

6800EC(H) - User parameter switch 28(SWUSR_1C): Not used
6800ED(H) - User parameter switch 29(SWUSR_1D): Not used
6800EE(H) and 6800EF(H) - User parameter switches 30 and 31 (SWUSR_1E and 1F): Not used

6800F0(H) - User parameter switch 32 (SWUSR_20)
Bit 0: Quotation priority for a destination when there is no destination of the specified type
0: Paper output priority = Priority order: 1. IP-fax destination, 2. Fax Number, 3. E-mail address, 4. Folder

1: Electric putout order = Priority order: 1. E-mail address, 2. Folder, 3. IP-fax destination, 4. Fax number

Bits 1 to 7: Not used
6800F1(H) - User parameter switch 33 (SWUSR_21): Not used
6800F2(H) - User parameter switch 34 (SWUSR_22)
Bit 0: Gatekeeper server used with IP-Fax 0: Disabled, 1: Enabled
Bit 1: SIP server used with IP-Fax 0: Disabled, 1: Enabled
Bits 2 to 7: Not used
6800F3(H) - User parameter switch 35 (SWUSR_23)
Redial interval when sending a backup file
6800F4(H) - User parameter switch 36 (SWUSR_24)
Maximum number of redials when sending a backup file
6800F5(H) - User parameter switch 37 (SWUSR_25)
Bit 0 : Whether to stop sending a backup file if the destination folder becomes full while the machine is sending or waiting to send a fax or the backup file. 0: No, •1: Yes

Bit 2 and 3: Backup file is printed along with the TX communication failure report when a backup file transmission failure occurs. 00: Do not print, 01: Print first page only, 10: Print whole file Bit 4: Display the sender's information in the file name of documents that are forwarded to folder destinations. 0: Disabled, 1: Enabled

Bit 5: Limit the file names of documents that are forwarded to folder destinations to plain characters only. 0: Disabled, 1: Enabled
Bit 6: When using the remote fax function, the sub-machine beeps to let you know when it has printed a received document (If you specify "On", the machine will beep according to the setting of [Panel Key Sound] under [System Settings].) 0: On, 1: Off
Bit 7: Not used

6800F6(H) - User parameter switch 38 (SWUSR_26)
Maximum number of transmissions the machine attempts before determining that a fax cannot be forwarded from a sender (including special senders) to a folder destination
6800F7(H) - User parameter switch 39 (SWUSR_27)
Interval (in minutes) between resend attempts after failing to forward a fax from a sender (including special senders) to a folder destination

\section*{6800F8(H) - User parameter switch 40 (SWUSR_28)}

Bit 0 : When memory space is insufficient, the machine prints and then deletes the oldest faxes, creating memory space for storage of new faxes. 0: Disabled, 1: Enabled

Bit 1 to 7: Not used
6800FF(H) - User parameter switch 45 (SWUSR_2D)
Bit 0 and 1:
Bit 2: File format for files transmitted to e-mail addresses and folders registered as forwarding, destinations of backup file transmission, receivers for Personal Box, or end receivers for Transfer Box. 0: PDF 1: PDF/A
Bit 3:
Bit 4 to 7: Not used
680100 to \(68010 \mathrm{~F}(\mathrm{H})\) - G4 Parameter Switches - Not used
680110 to 68012F(H) - G4 Internal Switches - Not used
680130 to 68016F(H) - Service Switches
680170 to 68017F(H) - IFAX Switches
680180 to 68018F(H) - IP-FAX Switches
680190 to 6801A3(H) - PSTN-1 RTI (Max. 20 characters - ASCII) - See the following note.
6801A4 to 6801B7(H) - PSTN-2 RTI (Max. 20 characters - ASCII)
6801B8 to 6801CB(H) - PSTN-3 RTI (Max. 20 characters - ASCII)
6801CF to \(68020 \mathrm{E}(\mathrm{H})\) - TTI 1 (Max. 64 characters - ASCII) - See the following note.
68020F to 68024E(H) - TTI 2
68024F to 68028E(H) - TTI 3
68028F to 6802CE(H) - TTI 4
6802CF to 68030E(H) - TTI 5
68030F to 68034E(H) - TTI 6
68034F to \(68038 \mathrm{E}(\mathrm{H})\) - TTI 7
68038F to 6803CE(H) - TTI 8
6803CF to 68040E(H) - TTI 9
68040F to 68044E(H) - TTI 10
\(\downarrow\) Note
- If the number of characters is less than the maximum ( 20 for RTI, 32 for TTI), add a stop code \((00[\mathrm{H}])\) after the last character.
68044F(H)

Printing format for TTI 1
0: DOM (Japan), 1:EXP (Export)

\section*{680450(H)}

Printing format for TTI 2
0: DOM, 1:EXP

\section*{680451(H)}

Printing format for TTI 3
0: DOM, 1:EXP

\section*{680452(H)}

Printing format for TTI 4
0: DOM, 1:EXP

\section*{680453(H)}

Printing format for TTI 5
0: DOM, 1:EXP
680454(H)
Printing format for TTI 6
0: DOM, 1:EXP

\section*{680455(H)}

Printing format for TTI 7
0: DOM, 1:EXP

\section*{680456(H)}

Printing format for TTI 8
0: DOM, 1:EXP

\section*{680457(H)}

Printing format for TTI 9
0: DOM, 1:EXP

\section*{680458(H)}

Printing format for TTI 10
0: DOM, 1:EXP
680459 to 68046C(H) - PSTN-1 CSI (Max. 20 characters - ASCII)
68046D to 680480(H) - PSTN-2 CSI (Max. 20 characters - ASCII)
680481 to 680494(H) - PSTN-3 CSI (Max. 20 characters - ASCII)
680495(H) - Number of PSTN-1 CSI characters (Hex)
680496(H) - Number of PSTN-2 CSI characters (Hex)
680497(H) - Number of PSTN-3 CSI characters (Hex)
6804C6(H) - Memory Lock ID (BCD)
6804D2 to 6804D9(H) - Last power off time (Read only)
6804D2(H) - 01(H) - 24-hour clock, 00(H) - 12-hour clock (AM), 02(H) - 12-hour clock (PM)
6804D3(H) - Year (BCD)

6804D4(H) - Month (BCD)
6804D5(H) - Day (BCD)
6804D6 (H) - Hour
6804D7 (H) - Minute
6804D8(H) - Second
6804D8 (H) - 00: Monday, 01: Tuesday, 02: Wednesday, III , 06: Sunday
6804E6(H) - Optional equipment (Read only - Do not change the settings)
Bit 0: Page Memory \(\quad 0\) : Not installed, 1: Installed
Bit 1: SAF Memory (4M) 0: Not installed, 1: Installed
Bit 2: SAF Memory \(\quad 0\) : Not installed, 1: Installed
Bits 3 to 7; Not used
6804E7(H) - Optional equipment (Read only - Do not change the settings)
Bits 0 to 3: Not used
Bit 4: G3-2 0: Not installed, 1: Installed
Bit 5: G3-3 0: Not installed, 1: Installed
Bit 6 and 7: Not used
6804EE(H) - Machine code (Check ram 3)
680500(H) - Start address of G3 table for G3-1
680600(H) - Start address of G3 table for G3-2
680700(H) - Start address of G3 table for G3-3
680820 to \(68083 F(H)\) - Service station's fax number (SP3-101)
680840 to 680849(H) - Own fax PABX extension number - Not used
68084A to 680853(H) - Own fax number (PSTN) - Not used
680854 to \(680867(\mathrm{H})\) - Own fax number (ISDN G4) - Not used
680868 to 680873(H) - The first subscriber number (ISDN G3) - Not used
680874 to 68087F(H) - The second subscriber number (ISDN G3) - Not used
680880 to \(68088 B(H)\) - The first subscriber number (ISDN G4) - Not used
68088C to 680897(H) - The second subscriber number (ISDN G4) - Not used
6808C0 to 6808D7(H) - G4TID registered information (Max. 24 characters - ASCII)
6808D8 to 6808EB(H) - ISDN CSI (Max. 20 characters - ASCII)
6808EC(H) - Number of ISDN CSI characters (Hex)
6808F1 to 6808F4(H) - ISDN G3 subaddress registered information
6808F5 to 6808F8(H) - G4 subaddress registered information
6808FE to 680902 - Option G3 board (G3-2) ROM information (Read only)
6808FE(H) - Suffix (BCD)
6808FF(H) - Version (BCD)
680900(H) - Year (BCD)
680901(H) - Month (BCD)
680902(H) - Day (BCD)
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680903 to 680907 - Option G3 board (G3-3) ROM information (Read only)
680903(H) - Suffix (BCD)
680904(H) - Version (BCD)
680905(H) - Year (BCD)
680906(H) - Month (BCD)
680907(H) - Day (BCD)
680908(H) - G3-1 Modem ROM version (Read only)
68090A(H) - G3-2 Modem ROM version (Read only)
68090C(H) - G3-3 Modem ROM version (Read only)
680918(H) - Number of multiple sets print (Read only)
68096E(H) - Time for economy transmission (hour in 24h clock format - BCD)
68096F(H) - Time for economy transmission (minute - BCD)
68098A(H) - Transmission monitor volume 00-07(H)
68098B(H) - Reception monitor volume 00-07(H)
68098C(H) - On-hook monitor volume 00-07(H)
68098D(H) - Dialing monitor volume 00-07(H)
68098E(H) - Buzzer volume 00-07(H)
68098F(H) - Beeper volume 00-07(H)
6809A0(H) - Machine code (Check ram 4)
6809CA(H) - Machine serial number (ASCII)
680D98 to 680D9B(H) - Transmission counter (Max. }24\mathrm{ characters - ASCII)
680D9C to 680D9F(H) - Reception counter (Max. }24\mathrm{ characters - ASCII)
680E08 to 680E0B(H) - Mail transmission counter (Max. }24\mathrm{ characters - ASCII)
680E0C to 680E0F(H) - Mai reception counter (Max. }24\mathrm{ characters - ASCII)
6A69EE(H) to 6A6CED(H) - SIP server address (Read only)
6A69EE(H) - Proxy server - Main (Max. }128\mathrm{ characters - ASCII)
6A6A6E(H) - Proxy server - Sub (Max. }128\mathrm{ characters - ASCII)
6A6AEE(H) - Redirect server - Main (Max. 128 characters - ASCII)
6A6B6E(H) - Redirect server - Sub (Max. }128\mathrm{ characters - ASCII)
6A6BEE(H) - Registrar server - Main (Max. }128\mathrm{ characters - ASCII)
6A6C6E(H) - Registrar server - Sub (Max. }128\mathrm{ characters - ASCII)
6A6CEE(H) - Gatekeeper server address - Main (Max. 128 characters - ASCII)
6A6D6E(H) - Gatekeeper server address - Sub (Max. 128 characters - ASCII)
6A6DEE(H) - Alias Number (Max. }128\mathrm{ characters - ASCII)
6A6E6E(H) - SIP user name (Max. }128\mathrm{ characters - ASCII)
6A6EEE(H) - SIP digest authentication password (Max. }128\mathrm{ characters - ASCII)
6A6F6E(H) - Gateway address information (Max. }7100\mathrm{ characters - ASCII)
6A8B2A(H) - NGN initial setting method 0: Simple, 1: Manual
6A8B2B(H) - SIP digest authentication user name (Max. 128 characters - ASCII)

```

6A8BAB(H) - NGN-SIP domain name (Max. 64 characters - ASCII)
6A8B2B(H) - NGN-home gateway address (Max. 128 characters - ASCII)
6A8C6C(H) - Stand-by port number for H. 323 connection
6A8C6E(H) - Stand-by port number for SIP connection
6A8C70(H) - RAS port number
6A8C72(H) - Gatekeeper port number
6A8C74(H) - Port number of data waiting for T. 38
6A8C76(H) - Port number of SIP server
6A8C78(H) - Priority for SIP and H. 323 0: H.323, 1: SIP
6A8C79(H) - SIP function 0: Disabled, 1: Enabled
6A8C7A(H) - H. 323 function 0: Disabled, 1: Enabled
6A8C7B(H) - SIP digest authentication function 0: Disabled, 1: Enabled
6B35A4(H) - 6B35C5 (H) - Dial tone detection parameter (Max. \(11 \times 3\) lines)
This initializes following order. [0x04, 0x40, 0x03, 0x60, 0x64, 0xf4, 0x01,0x64, 0x04, 0xc8, 0x00]
6B35A4(H) - Dial tone detection frequency - Upper limit (High)
Defaults: NA: 06, EU: 06, ASIA: 06
6B35A5(H) - Dial tone detection frequency - Upper Limit (Low)
Defaults: NA: 50, EU: 50, ASIA: 50
6B35A6(H) - Dial tone detection frequency - Lower Limit (High)
Defaults: NA: 03, EU: 02, ASIA: 02
6B35A7(H) - Dial tone detection frequency - Lower Limit (Low)
Defaults: NA: 60, EU: 90, ASIA: 90
6B35A8(H) -Dial tone detection waiting time ( 20 ms )
Defaults: NA: 64, EU 64, ASIA: 64
6B35A9 to 6B35AA - Dial tone detection monitoring time (20 ms)
Defaults
\begin{tabular}{|l|l|l|}
\hline Area & 6B35A9 & \(6 B 35 A A\) \\
\hline NA & F4 & 01 \\
\hline EU & F4 & 01 \\
\hline ASIA & F4 & 01 \\
\hline
\end{tabular}

6B35AB(H) - Dial tone detect judge time ( 20 ms )
Defaults: NA: 64, EU: 1B, ASIA: 32
6B35AC(H) - Dial tone disconnect permission time ( 20 ms )
Defaults: NA: 11, EU: OF, ASIA: 11

\section*{5. DETAILED SECTION DESCRIPTIONS}

\subsection*{5.1 OVERVIEW}


The FCU controls all the fax communications and fax features, in cooperation with the controller board. Also, the FCU contains the ROM, SRAM and NCU circuits.

Fax Options:
- Extra G3 Interface option: This provides one more analog line interface. This allows full dual access. Two extra G3 interface options can be installed.
- Memory Expansion: This expands the SAF memory and the page memory (used for image rotation); without this expansion, the page memory is not big enough for image rotation at 400 dpi, so transmission at 400 dpi is not possible.

\subsection*{5.2 BOARDS}

\subsection*{5.2.1 FCU}


The FCU (Facsimile Control Unit) controls fax communications, the video interface to the base copier's engine, and all the fax options.

\section*{FACE3.5 (Fax Application Control Engine)}
- CPU
- Data compression and reconstruction (DCR)
- DMA control
- Clock generation
- DRAM backup control

\section*{Modem (FAME2)}
- V.34, V33, V17, V.29, V.27ter, V.21, and V. 8

\section*{DRAM}
- The 16 MB of DRAM is shared as follows.
- SAF memory: 4MB
- Working memory: 4MB
- Page memory: 8MB
- The SAF memory is backed up by a rechargeable battery.

ROM
- 4 MB flash ROMs for system software storage

\section*{SRAM}
- The 512 KB SRAM for system and user parameter storage is backed up by a lithium battery. Memory Back-up
- A rechargeable battery backs up the SAF memory (DRAM) for 12 hours.
- A lithium battery backs up the system parameters and programmed items in the SRAM, in case the base copier's main switch is turned off.

\section*{Switches}
\begin{tabular}{|c|c|}
\hline Item & \multicolumn{1}{c|}{ Description } \\
\hline SW1 & Switches the SRAM backup battery on/off. \\
\hline
\end{tabular}

\subsection*{5.2.2 SG3 BOARD}


The SG3 board allows up to three simultaneous communications when used in combination with the FCU and optional G3 boards. The NCU is on the same board as the common SG-3 board. This makes the total board structure smaller. But, the specifications of the SG3 board do not change.

\section*{NCCP (New Communication Control Processor)}
- Controls the SG3 board.
- CPU (RU30)
- DPRAM (Dual Port RAM): Handshaking with the FCU is done through this block.
- DMA controller
- JBIG
- DSP V34 modem (RL5T892): Includes the DTMF Receiver function
- DCR for MH, MR, MMR, and JBIG compression and decompression

FROM
- 1Mbyte flash ROM for SG3 software storage and modem software storage

SDRAM
- 4Mbyte DRAM shared between ECM buffer, line buffer, and working memory

\section*{AFE (Analog Front End)}
- Analog processing

CODEC (COder-DECoder)
- A/D \& D/A conversions for modem

\section*{REG}
- Generates +3.3 V from the +5 V from the FCU

\subsection*{5.3 VIDEO DATA PATH}

\subsection*{5.3.1 TRANSMISSION}


\section*{Memory Transmission and Parallel Memory Transmission}

The base copier's scanner scans the original at the selected resolution in inch format. The IPU processes the data and transfers it to the FCU.

\section*{Note}
- When scanning a fax original, the IPU uses the MTF, independent dot erase and thresholding parameter settings programmed in the fax unit's scanner bit switches, not the copier's SP modes.

Then, the FCU converts the data to mm format, and compresses the data in MMR or raw format to store it in the SAF memory. If image rotation will be done, the image is rotated in page memory before compression.

At the time of transmission, the FCU decompresses the stored data, then re-compresses and/or reduces the data if necessary for transmission. The NCU transmits the data to the line.

\section*{Immediate Transmission}

The base copier's scanner scans the original at the resolution agreed with the receiving terminal. The IPU video processes the data and transfers it to the FCU.

\section*{\(\downarrow\) Note}
- When scanning a fax original, the IPU uses the MTF, independent dot erase and thresholding parameter settings programmed in the fax unit's scanner bit switches, not the copier's SP modes.
Then the FCU stores the data in page memory, and compresses the data for transmission. The NCU transmits the data to the line.

\section*{JBIG Transmission}

Memory transmission: If the receiver has JBIG compression, the data goes from the DCR to the QM-Coder. Then the NCU transmits the data to the line. When an optional G3 unit (SG3) is installed and PSTN2 is selected as the line type, JBIG compression is available, but only for the PSTN-2 line.

Immediate transmission: If the receiver has JBIG compression, the data goes from the page memory to the QM-Coder. Then the NCU transmits the data to the line. When an optional G3 unit (SG3) is installed and PSTN2 is selected as the line type, JBIG compression is available, but only for the PSTN-2 line.

\section*{Adjustments}
- Priority for the line used for G3 transmissions (PSTN 1/PSTN 2 or 3): System switch 16 bit 1

\subsection*{5.3.2 RECEPTION}


First, the FCU stores the incoming data from either an analog line to the SAF memory. (The data goes to the FACE3 at the same time, and is checked for error lines/frames.)

The FCU then decompresses the data and transfers it to page memory. If image rotation will be done, the image is rotated in the page memory. The data is transferred to the IPU.

If the optional G3 unit is installed, the line that the message comes in on depends on the telephone number dialled by the other party (the optional G3 unit has a different telephone number from the main fax board).

JBIG Reception
When data compressed with JBIG comes in on PSTN-1 (the standard analog line), the data is sent to the QM-CODER for decompression. Then the data is stored in the page memory, and transferred to the IPU.

When data compressed with JBIG comes in on PSTN-2 (optional extra analog line), the data is sent to the QM-CODER on the SG3 board for decompression.

\subsection*{5.4 FAX COMMUNICATION FEATURES}

\subsection*{5.4.1 MULTI-PORT}

When the optional extra G3 Interface Unit is installed, communication can take place at the same time through the two or three lines at once.
\begin{tabular}{|l|l|l|}
\hline \multicolumn{1}{|c|}{ Option } & \multicolumn{1}{|c|}{ Available Line Type } & \multicolumn{1}{|c|}{\begin{tabular}{c} 
Available protocol \\
Combinations
\end{tabular}} \\
\hline Standard only & PSTN & G3 \\
\hline Extra G3 Interface Unit (single) & PSTN + PSTN & G3 + G3 \\
\hline \begin{tabular}{l} 
Extra G3 Interface Unit \\
(double)
\end{tabular} & PSTN + PSTN +PSTN & G3 + G3 +G3 \\
\hline
\end{tabular}

\subsection*{5.4.2 DOCUMENT SERVER}

d629d104
The base copier's scanner scans the original at the selected resolution. The IPU video processes the data and transfers it to the controller board.

Then the controller stores the data in the page memory for the copier function, and compresses the data in MMR (by software) to store it in the HDD. If image rotation will be done, the image is rotated in the page memory before compression.

For transmission, the stored image data is transferred to the FCU. The FCU decompresses the image data, then recompresses and/or reduces the data if necessary for transmission. The NCU transmits the data to the line.

The documents can be stored in the HDD (Document Server) from the fax application. The stored documents in the document sever can be used for the fax transmission in many times. More than one document and the scanned document can be combined into one file and then the file can be transmitted.
- When using the document server, the SAF memory is not used.
- The document is compressed with MMR and stored.
- Up to 9,000 pages can be stored (1 file: Up to 1,000 pages) from the fax application.
- Only stored documents from the fax application can be transmitted.
- Scanned documents are given a name automatically, such as "FAX001". But it is possible to change the file name, user name and password.
- Up to 30 files can be selected at once.
v Note
- The compression method of the fax application is different from the copy application. The storing time is longer than the copier storing.
- When selecting "Print 1st page", the stored document will be reduced to A4 size.

\subsection*{5.4.3 INTERNET MAIL COMMUNICATION}

\section*{Mail Transmission}

\section*{T. 37 simple and full modes}

This machine supports T. 37 full mode. (ITU-T Recommendation, RFC2532). The difference between T. 37 simple mode and full mode is as follows.
\begin{tabular}{|c|c|c|}
\hline Function & T. 37 Simple Mode & T. 37 Full Mode \\
\hline Resolution & \[
\begin{aligned}
& 200 \times 100 \\
& 200 \times 200
\end{aligned}
\] & \[
\begin{aligned}
& 200 \times 100 \\
& 200 \times 200 \\
& 200 \times 400 \\
& 400 \times 400 \text { (if available) }
\end{aligned}
\] \\
\hline RX Paper Width & A4 & A4, B4, A3 \\
\hline RX Data Compression Method & MH & MH (default), MR, MMR, \\
\hline Signals & Image data transmission only & Image data transmission, exchange of capability information between the two terminals, and acknowledgement of receipt of fax messages \\
\hline
\end{tabular}

\section*{Data Formats}

The scanned data is converted into a TIFF-F formatted file.
The fields of the e-mail and their contents are as follows:
\begin{tabular}{|l|l|}
\hline \multicolumn{1}{|c|}{ Field } & \multicolumn{1}{c|}{ Content } \\
\hline From & Mail address of the sender \\
\hline Reply To & Destination requested for reply \\
\hline To & Mail address of the destination \\
\hline Bcc & Backup mail address \\
\hline Subject & From CSI or RTI (Fax Message No. xxxx) \\
\hline
\end{tabular}
\begin{tabular}{|l|l|}
\hline \multicolumn{1}{|c|}{ Field } & \multicolumn{1}{c|}{ Content } \\
\hline Content Type & \begin{tabular}{l} 
Multipart/mixed \\
Attached files: image/tiff
\end{tabular} \\
\hline Content Transfer Encoding & Base 64, 7-bit, 8-bit, Quoted Printable \\
\hline Message Body & \begin{tabular}{l} 
MIME-converted TIFF-F (MIME standards specify how \\
files are attached to e-mail messages)
\end{tabular} \\
\hline
\end{tabular}

\section*{Direct SMTP Transmission}

Internet Fax documents can be sent directly to their destinations without going through the SMTP server. (Internet Faxes normally transmit via the SMTP server.)
For example:
\begin{tabular}{|l|l|}
\hline e-mail address: & gts@ricoh.co.jp \\
\hline SMTP server address: & gts.abcd.com \\
\hline
\end{tabular}

In this case, this feature destination e-mail address (gts@ricoh.co.jp) is read as the SMTP server address "gts.abcd.com", and the transmissions bypass the SMTP server.

\section*{Selectable Options}

These options are available for selection:
- With the default settings, the scan resolution can be either standard or detail. Inch-mm conversion before TX depends on IFAX SW01 Bit 7. Detail resolution will be used if Super Fine resolution is selected, unless Fine resolution is enabled with IFAX SW01.
- The requirements for originals (document size, scan width, and memory capacity) are the same as for G3 fax memory TX.
- The default compression is TIFF-F format.
- IFAX SWOO: Acceptable paper widths for sending
- IFAX SW09: Maximum number of attempts to the same destination

\section*{Secure Internet Transmission}

\section*{SMTP Authentication:}
- User Tools> System Settings> File Transfer> SMTP Authentication POP Before SMTP:
- User Tools> System Settings> File Transfer> POP Before SMTP

\section*{Mail Reception}

\section*{Three Types}

This machine supports three types of e-mail reception:
- POP3 (Post Office Protocol Ver. 3.)
- IMAP4 (Internet Messaging Access Protocol)
- SMTP (Simple Mail Transfer Protocol)
\(\downarrow\) Note
- For details: Core Technology Manual - Facsimile Processes - Faxing from a PC Internet/LAN Fax Boards - Mail Reception

\section*{POP3/IMAP4 Mail Reception Procedure}

The machine automatically picks up e-mail from the server at an interval which is adjustable in the range 2 to 1440 min . in 1-minute steps:
- User Tools> System Settings> File Transfer> E-mail Reception Interval

\section*{SMTP Reception}
1. The IFAX must be registered as an SMTP server in the MX record of the DNS server, and the address of the received mail must specify the IFAX.
2. To enable SMTP reception: User Tools> System Settings> File Transfer> Reception Protocol
- Even if the MX record on the DNS server includes the IFAX, mail cannot be received with SMTP until SMTP reception is enabled:
- However, if SMTP reception is selected and the machine is not registered in the MX record of the DNS server, then either IMAP4 or POP3 is used, depending on the setting: User Tools> System Settings> File Transfer> Reception Protocol

\section*{Mail Delivery Conditions: Transferring Mail Received With SMTP}
1. The machine must be set up for SMTP mail delivery:
- User Tools> Facsimile Features> Reception Settings> SMTP RX File Delivery Settings
2. If the user wishes to limit this feature so that the machine will only deliver mail from designated senders, the machine's "Auth. E-mail RX" feature must be set (User Tools> Facsimile Features> Reception Settings> SMTP RX File Delivery Settings).
3. If the "SMTP RX File Delivery Setting" is set to "Off" to prohibit SMTP receiving, and if there is mail designated for delivery, then the machine responds with an error. (User Tools> Facsimile Features> Reception Settings> SMTP RX File Delivery Settings)
4. If the quick dial, speed dial, or group dial entry is incorrect, the mail transmission is lost, and the IFAX issues an error to the SMTP server and outputs an error report.

\section*{Auth. E-mail RX}

In order to limit access to mail delivery with IFAX, the addresses of senders must be limited using the Access Limit Entry. Only one entry can be registered.
1. Access Limit Entry

For example, to limit access to @IFAX.ricoh.co.jp:
\begin{tabular}{|l|l|}
\hline gts@IFAX.ricoh.co.jp & Matches and is delivered. \\
\hline gts@IFAX.abcde.co.jp & Does not match and is not delivered. \\
\hline IFAX@ricoh.co.jp & Does not match and is not delivered. \\
\hline
\end{tabular}
1. Conditions
- The length of the Access Limit Entry is limited to 127 characters.
- If the Access Limit Entry address and the mail address of the incoming mail do not match, the incoming mail is discarded and not delivered, and the SMTP server responds with an error. However, in this case an error report is not output.
- If the Access Limit Entry address is not registered, and if the incoming mail specifies a delivery destination, then the mail is delivered unconditionally.

\section*{Handling Mail Reception Errors}

\section*{Abnormal files}

When an error of this type occurs, the machine stops receiving and commands the server to erase the message. Then the machine prints an error report and sends information about the error by e-mail to the sender address (specified in the "From" or "Reply-to" field of the message). If there is an incomplete received message in the machine memory, it will be erased.
The machine prints an error message when it fails to send the receive error notification after a certain number of attempts.

The following types of files are judged to be abnormal if one or more of the following are detected:
1. Unsupported MIME headers.

Supported types of MIME header
\begin{tabular}{|l|l|}
\hline \multicolumn{1}{|c|}{ Header } & \multicolumn{1}{c|}{ Supported Types } \\
\hline Content-Type & Multipart/mixed, text/plain, message/ffc822 Image/tiff \\
\hline Charset & \begin{tabular}{l} 
US-ASCII, ISO 8859 X. Other types cannot be \\
handled, and some garbage may appear in the data.
\end{tabular} \\
\hline \begin{tabular}{l} 
Content-Transfer- \\
Encoding
\end{tabular} & Base 64, 7-bit, 8-bit, Quoted Printable \\
\hline
\end{tabular}
2. MIME decoding errors
3. File format not recognized as TIFF-F format
4. Resolution, document size, or compression type cannot be accepted

\section*{Remaining SAF capacity error}

The machine calls the server but does not receive e-mail if the remaining SAF capacity is less than a certain value (the value depends on IFAX Switch 08. The e-mail will be received when the SAF capacity increases (for example, after substitute reception files have been printed). The error handling method for this type of error is the same as for "Abnormal files".
If the capacity of the SAF memory drops to zero during reception, the machine operates in the same way as when receiving an abnormal file (refer to "Abnormal files" above).

\section*{Secure Internet Reception}

To enable password encryption and higher level security: User Tools> System Settings> File Transfer> POP3/IMAP4 Settings> Encryption (set to "On")

\section*{Transfer Request: Request By Mail}

For details: Core Technology Manual - Facsimile Processes - Faxing from a PC - Internet/LAN
Fax Boards - Transfer Request
The fields of the e-mail and their contents are as follows:
\begin{tabular}{|l|l|}
\hline \multicolumn{1}{|c|}{ Field } & \multicolumn{1}{c|}{ Content } \\
\hline From & E-mail address of the requesting terminal \\
\hline To & Destination address (Transfer Station address) \\
\hline Bcc & Backup mail address \\
\hline Subject & \begin{tabular}{l} 
Multipart/mixed \\
Text/Plain (for a text part), image/tiff (for attached files)
\end{tabular} \\
\hline Content-Type & Bax Message No. xxxx) \\
\hline Content-Transfer-Encoding & 7-Bit, 8-bit, Quoted Printable \\
\hline Mail body (text part) & \begin{tabular}{l} 
RELAY-ID-: xxxx (xxxx: 4 digits for an ID code) \\
RELAY: \#01\#^X\#**01....
\end{tabular} \\
\hline Message body & MIME-converted TIFF-F. \\
\hline
\end{tabular}

\section*{E-Mail Options (Sub TX Mode)}

The following features are available as options for mail sending: entering a subject, designating the level of importance, confirming reception of the mail.

\section*{Subject and Level of Importance}

You can enter a subject message with: TX Mode> Subject
The Subject entry for the mail being sent is limited to 128 characters. The subject can also be prefixed with an "Confidential", "Urgent", "Please phone" or "Copy to corres. Section" notation.
- How the Subject Differs According to Mail Type -
\begin{tabular}{|c|c|c|c|c|}
\hline Mail Type & Item 1 & & Item 2 & Item 3 \\
\hline \begin{tabular}{l}
Subject \\
Entry
\end{tabular} & --- & \multicolumn{2}{|l|}{Entry Condition} & \multirow{5}{*}{\begin{tabular}{l}
Fax Message No. \\
File No.
\end{tabular}} \\
\hline \multirow{4}{*}{No Subject Entry} & & \multicolumn{2}{|l|}{1. "CSI" ("RTI")} & \\
\hline & & 2. "RTI" & CSI not registered & \\
\hline & & 3. "CSI" & RTI not registered & \\
\hline & & 4. None & \begin{tabular}{l}
CSI, RTI not \\
registered
\end{tabular} & \\
\hline \multirow{4}{*}{Confirmation of Reception} & \multirow{4}{*}{From} & \multicolumn{2}{|l|}{1. "CSI" ("RTI")} & \multirow[t]{2}{*}{\begin{tabular}{l}
Normal: \\
Return Receipt \\
(dispatched). \\
You can select \\
"displayed" with IFAX \\
SW02 Bits 2 and 3.
\end{tabular}} \\
\hline & & 2. "RTI" & CSI not registered & \\
\hline & & 3. "CSI" & RTI not registered & \multirow[t]{2}{*}{\begin{tabular}{l}
Error: \\
Return Receipt (processed/error)
\end{tabular}} \\
\hline & & 4. None & CSI, RTI not registered & \\
\hline \multirow[t]{2}{*}{\begin{tabular}{l}
Mail delivery, \\
memory \\
transfer, \\
SMTP \\
receiving \\
and delivery
\end{tabular}} & \multirow[t]{2}{*}{From} & RTI or CSI of the station designated for delivery & Mail delivery & \multirow[t]{2}{*}{Fax Message No. + File Number} \\
\hline & & RTI or CSI of sender & Mail sending from G3 memory & \\
\hline
\end{tabular}
\begin{tabular}{|l|l|l|l|c|}
\hline Mail Type & Item 1 & \multicolumn{2}{|c|}{ Item 2 } & \multirow{2}{*}{ Item 3 } \\
\hline \multirow{4}{*}{} & & \begin{tabular}{l} 
Mail address \\
of sender
\end{tabular} & Memory sending & \\
\cline { 3 - 4 } & & \begin{tabular}{l} 
Mail address \\
of sender
\end{tabular} & \begin{tabular}{l} 
SMTP receiving and \\
delivery (Off Ramp \\
Gateway)
\end{tabular} & \\
\hline \begin{tabular}{l} 
Mail error \\
notification
\end{tabular} & --- & Error Message No. xxxx From CSI (RTI) \\
\hline
\end{tabular}

Items 1, 2, and 3 in the table above are in the Subject.
- Subjects Displayed on the PC -


\section*{E-mail Messages}

After entering the subject, you can enter a message with: TX Mode> Text
An e-mail message (up to 5 lines) can be pre-registered with: User Tools> System Settings> File Transfer> Program/Change/Delete E-mail Message
- Limitations on Entries -
\begin{tabular}{|l|l|}
\hline \multicolumn{1}{|c|}{ Item } & \multicolumn{1}{|c|}{ Maximum } \\
\hline Number of Lines & 5 lines \\
\hline Line Length & 80 characters \\
\hline Name Length & 20 characters \\
\hline
\end{tabular}

\section*{Message Disposition Notification (MDN)}

For details: Core Technology Manual - Facsimile Processes - Faxing from a PC - Internet/LAN Fax Boards - E-mail Options

The network system administrator can confirm whether a sent mail has been received correctly or not. This confirmation is done in four steps.
1. Send request for confirmation of mail reception. To enable or disable this request (known as MDN): TX Mode> Reception Notice
2. Mail reception (receive confirmation request)
3. Send confirmation of mail reception
4. Receive confirmation of mail reception

The other party's machine will not respond to the request unless the two conditions below are met:
- The other party's machine must be set up to respond to the confirmation request.
- The other party's machine must support MDN (Message Disposition Notification).
- Setting up the Receiving Party -

The receiving party will respond to the confirmation request if:
1. The "Disposition Notification To" field is in the received mail header (automatically inserted in the 4th line in the upper table on the previous page, if MDN is enabled), and
2. Sending the disposition notification must be enabled (User Parameter Setting SW21 (15 [H]) Bit 1 for this model). The content of the response is as follows:
\begin{tabular}{|l|l|}
\hline Normal reception: & "Return Receipt (dispatched)" in the Subject line \\
\hline IFAX SW02 (Bit 2, 3) & "Return Receipt (displayed)" in the Subject line \\
\hline Error: & "Return Receipt (processed/error)" in the Subject line \\
\hline
\end{tabular}

\section*{Handling Reports}
- Sending a Request for a Return Receipt by Mail -

After the mail sender transmits a request for a return receipt, the mail sender's journal is annotated with two hyphens (--) in the Result column and a "Q" in the Mode column.
- Mail Receipt (Request for Receipt Confirmation) and Sending Mail Receipt Response -

After the mail receiver sends a response to the request for a return receipt, the mail receiver's journal is annotated with two hyphens (--) in the Result column and an "A" in the Mode column.
- Receiving the Return Receipt Mail -
- After the mail sender receives a return receipt, the information in the mail sender's journal about the receipt request is replaced, i.e. the journal is annotated with "OK" in the Result column.
- When the return receipt reports an error, the journal is annotated with an " \(E\) " in the Result column.
- The arrival of the return receipt is not recorded in the journal as a separate communication. Its arrival is only reported by the presence of "OK" or "E" in the Result column.
- If the mail address used by the sender specifies a mailing list (i.e., a Group destination; the machine sends the mail to more than one location. See "How to set up Mail Delivery"), the Result column of the Journal is updated every time a return receipt is received. For example, if the mailing list was to 5 destinations, the Result column indicates the result of the communication with the 5th destination only. The results of the communications to the first 4 destinations are not shown.

\section*{Exceptions:}

If one of the communications had an error, the Result column will indicate \(E\), even if subsequent communications were OK.
If two of the communications had an error, the Journal will indicate the destination for the first error only.
- Report Sample -
\begin{tabular}{|c|c|c|c|c|c|c|c|}
\hline DATE & TIME & ADDRESS & & & TIME & PAGE & RESULT \\
\hline \multirow[t]{4}{*}{MAY.} & 10:15 & fuser_01 & & SM & 0'09" & 2 & -- \\
\hline & 10:16 & fuser_01 & & SMQ & 0'05" & 1 & -- \\
\hline & 10:17 & s_tadash & & SMQ & 0'09" & 2 & OK \\
\hline & 10:19 & m_masata & & 1 SMA & 0'05" & 1 & -- \\
\hline
\end{tabular}
b771d506

\subsection*{5.5 IP-FAX}

\subsection*{5.5.1 WHAT IS IP-FAX?}

For details: Core Technology Manual - Facsimile Processes - Faxing from a PC - Internet/LAN Fax Boards - IP-FAX

\subsection*{5.5.2 T. 38 PACKET FORMAT}

TCP is selected by default for this machine, but you can change this to UDP with IPFAX SW 00 Bit 1.

\section*{UDP Related Switches}
\begin{tabular}{|c|c|c|c|c|c|c|}
\hline \multicolumn{7}{|c|}{IP-Fax Switch 01} \\
\hline No. & \multicolumn{5}{|c|}{Function} & Comments \\
\hline \multirow{6}{*}{0-3} & \multicolumn{5}{|l|}{Select IP FAX Delay Level} & \multirow[t]{6}{*}{\begin{tabular}{l}
Raise the level by selecting a higher setting if too many transmission errors are occurring on the network. \\
If TCP/UDP is enabled on the network, raise this setting on the T .30 machine. Increasing the delay time allows the recovery of more lost packets. \\
If only UDP is enabled, increase the number of redundant packets. \\
Level 1~2: 3 Redundant packets \\
Level 3: 4 Redundant packets
\end{tabular}} \\
\hline & Bit 3 & Bit 2 & Bit 1 & Bit 0 & Level & \\
\hline & 0 & 0 & 0 & 0 & 0 & \\
\hline & 0 & 0 & 0 & 1 & 1 & \\
\hline & 0 & 0 & 1 & 0 & 2 & \\
\hline & 0 & 0 & 1 & 1 & 3 & \\
\hline
\end{tabular}

\subsection*{5.5.3 SETTINGS}

User parameter switch \(34(22[H])\), bit 0
IP-Fax Gate Keeper usage, 0: No, 1: Yes
IP Fax Switches: Various IP-FAX settings (see the bit switch table)

\section*{6. SPECIFICATIONS}

\subsection*{6.1 GENERAL SPECIFICATIONS}

\subsection*{6.1.1 FCU}
\begin{tabular}{|c|c|}
\hline Type: & Desktop type transceiver \\
\hline Circuit: & \[
\begin{aligned}
& \text { PSTN (max. 3ch.) } \\
& \text { PABX }
\end{aligned}
\] \\
\hline Connection: & Direct couple \\
\hline Original Size: & \begin{tabular}{l}
Book (Face down) \\
Maximum Length: 432 mm [17 ins] \\
Maximum Width: 297 mm [11.7 ins] \\
ARDF (Face up) \\
(Single-sided document) \\
Length: 128-1200 mm [5.0-47.2 ins] \\
Width: 105-297 mm [4.1-11.7 inch] \\
(Double-sided document) \\
Length: 128-432 mm [5.0-17 inch] \\
Width: 105-297 mm [4.1-11.7 inch]
\end{tabular} \\
\hline Scanning Method: & Flat bed, with CCD \\
\hline Resolution: & \begin{tabular}{l}
G3 \\
\(8 \times 3.85\) lines \(/ \mathrm{mm}\) (Standard) \\
\(8 \times 7.7\) lines \(/ \mathrm{mm}\) (Detail) \\
\(8 \times 15.4\) line/mm (Fine) See Note1 \\
\(16 \times 15.4\) line/mm (Super Fine) See Note 1 \\
\(200 \times 100\) dpi (Standard) \\
\(200 \times 200\) dpi (Detail) \\
\(400 \times 400\) dpi (Super Fine) See Note 1 \\
Note \\
- Optional Expansion Memory required
\end{tabular} \\
\hline Transmission Time: & G3: 3 s at 28800 bps ; Measured with G3 ECM using memory for an ITU-T \#1 test document (Slerexe letter) at standard resolution \\
\hline
\end{tabular}
\begin{tabular}{|l|l|}
\hline Data Compression: & MH, MR, MMR, JBIG \\
\hline Protocol: & Group 3 with ECM \\
\hline Modulation: & \begin{tabular}{l} 
V.34, V.33, V.17 (TCM), V.29 (QAM), \\
V.27ter (PHM), V.8, V.21 (FSK)
\end{tabular} \\
\hline Data Rate: & \begin{tabular}{l} 
G3: 33600/31200/28800/26400/24000/21600/ \\
\(19200 / 16800 / 14400 / 12000 / 9600 / 7200 / 4800 / 2400 \mathrm{bps}\) \\
Automatic fallback
\end{tabular} \\
\hline I/O Rate: & \begin{tabular}{l} 
With ECM: 0 ms/line \\
Without ECM: 2.5, 5, 10, 20, or 40 ms/line
\end{tabular} \\
\hline Memory Capacity: & \begin{tabular}{l} 
SAF \\
Standard: 4 MB \\
With optional Expansion Memory: 28 MB (4 MB+ 24 MB) \\
Page Memory \\
Standard: 8 MB (Print: 4 MB + Scanner: 4 MB) \\
With optional Expansion Memory: 16 MB (8 MB + 8 MB\()\) \\
(Print 8 MB + Scanner: 8 MB)
\end{tabular} \\
\hline
\end{tabular}

\subsection*{6.2 CAPABILITIES OF PROGRAMMABLE ITEMS}

The following table shows the capabilities of each programmable items.
\begin{tabular}{|l|c|}
\hline \multicolumn{1}{|c|}{ Item } & Standard \\
\hline Quick Dial & 2000 \\
\hline Groups & 100 \\
\hline Destination per Group & 500 \\
\hline Destinations dialed from the ten-key pad overall & 500 \\
\hline Programs & 100 \\
\hline Auto Document & 6 \\
\hline Communication records for Journal stored in the memory & 200 \\
\hline Specific Senders & 30 \\
\hline
\end{tabular}

The following table shows how the capabilities of the document memory will change after the Expansion Memory are installed.
\begin{tabular}{|l|c|c|}
\hline & \begin{tabular}{c} 
Without the \\
Expansion Memory
\end{tabular} & \begin{tabular}{c} 
With the Expansion \\
Memory
\end{tabular} \\
\hline \begin{tabular}{l} 
Memory Transmission \\
file
\end{tabular} & 400 & 400 \\
\hline \begin{tabular}{l} 
Maximum number of \\
page for memory \\
transmission
\end{tabular} & 1000 & 1000 \\
\hline \begin{tabular}{l} 
Memory capacity for \\
memory transmission \\
(Note1)
\end{tabular} & 320 & 2240 \\
\hline
\end{tabular}

\section*{Note}
- Measured using an ITU-T \#1 test document (Slerexe letter) at the standard resolution, the auto image density mode and the Text mode.

\subsection*{6.3 IFAX SPECIFICATIONS}
\begin{tabular}{|c|c|}
\hline Connectivity: & \begin{tabular}{l}
Local area network \\
Ethernet 100base-Tx/10base-T \\
Gigabit Ethernet 1000 Base-T \\
IEEE802.11a/g, g (wireless LAN),
\end{tabular} \\
\hline Resolution: & \begin{tabular}{l}
\(200 \times 100\) dpi (Standard resolution), \(200 \times 200\) dpi (Detail resolution), \(200 \times 400 \mathrm{dpi}\) (Fine resolution) \({ }^{\star} 1,400 \times 400 \mathrm{dpi}\) (Super Fine resolution)*1 \\
Note \\
- To use \(200 \times 400\) dpi and \(400 \times 400\) dpi, IFAX SWO1 Bit 2 and/or bit 4 must be set to " 1 ".
\end{tabular} \\
\hline Transmission Time: & \begin{tabular}{l}
1 s (through a LAN to the server) \\
Condition: ITU-T \#1 test document (Selerexe Letter) \\
MTF correction: OFF \\
TTI: None \\
Resolution: \(200 \times 100 \mathrm{dpi}\) \\
Communication speed: 10 Mbps \\
Correspondent device: E-mail server \\
Line conditions: No terminal access
\end{tabular} \\
\hline Document Size: & \begin{tabular}{l}
Maximum Original Size: A3/DLT. \\
Note \\
- To use B4 and A3 width, IFAX SW00 Bit 1 (B4) and/or Bit 2 (A3) must be set to " 1 ".
\end{tabular} \\
\hline \begin{tabular}{l}
E-mail File \\
Format:
\end{tabular} & \begin{tabular}{l}
Single/multi-part \\
MIME conversion \\
Image: TIFF-F (MH, MR, MMR)
\end{tabular} \\
\hline Protocol: & \begin{tabular}{l}
Transmission: \\
SMTP, TCP/IP \\
Reception: \\
POP3, SMTP, IMAP4, TCP/IP
\end{tabular} \\
\hline Data Rate: & ```
1000 Mbps (1000 Base-T)
100 Mbps (100base-Tx)
10 Mbps (10base-T)
``` \\
\hline
\end{tabular}
\begin{tabular}{|l|l|}
\hline \begin{tabular}{l} 
Authentication \\
Method:
\end{tabular} & \begin{tabular}{l} 
SMTP-AUTH \\
POP before SMTP \\
A-POP
\end{tabular} \\
\hline Remark: & \begin{tabular}{l} 
The machine must be set up as an e-mail client before installation. \\
Any client PCs connected to the machine through a LAN must also \\
be e-mail clients, or some features will not work (e.g. Autorouting).
\end{tabular} \\
\hline
\end{tabular}

\subsection*{6.4 IP-FAX SPECIFICATIONS}
\begin{tabular}{|c|c|}
\hline Network: & \begin{tabular}{l}
Local Area Network \\
Ethernet/10base-T, 100base-TX \\
Gigabit Ethernet/1000 Base-T \\
IEEE802.11a/g, g (wireless LAN)
\end{tabular} \\
\hline Scan line density: & \begin{tabular}{l}
\(8 \times 3.85\) lines \(/ \mathrm{mm}, 200 \times 100 \mathrm{dpi}\) (standard character), \\
\(8 \times 7.7\) lines \(/ \mathrm{mm}, 200 \times 200 \mathrm{dpi}\) (detail character), \\
\(8 \times 15.4\) lines \(/ \mathrm{mm}\) (fine character: optional expansion memory required), \\
\(16 \times 15.4\) lines \(/ \mathrm{mm}\), 400x400dpi (super fine character: optional expansion memory required)
\end{tabular} \\
\hline Maximum Original size: & \begin{tabular}{l}
A3 or 11" \(\times 17^{\prime \prime}\) (DLT) \\
Custom: \(297 \mathrm{~mm} \times 1200 \mathrm{~mm}\) (11.7" \(\times 47.3^{\prime \prime}\) )
\end{tabular} \\
\hline Maximum scanning size: & 297mm x 1200mm (11.7" \(\times 47.3\) ") \\
\hline Transmission protocol: & Recommended: T. 38 Annex protocol, TCP, UDP/IP communication, SIP (RFC 3261 compliant), H. 323 v2 \\
\hline Compatible machines: & IP-Fax compatible machines \\
\hline IP-Fax transmission function: & \begin{tabular}{l}
Specify IP address and send faxes to an IP-Fax compatible fax through a network. \\
Also capable of sending faxes from a G3 fax connected to a telephone line via a VoIP gateway.
\end{tabular} \\
\hline IP-Fax reception function: & \begin{tabular}{l}
Receive faxes sent from an IP-Fax compatible fax through a network. \\
Also capable of receiving faxes from a G3 fax connected to a telephone line via a VoIP gateway.
\end{tabular} \\
\hline
\end{tabular}

\subsection*{6.5 FAX UNIT CONFIGURATION}

\subsection*{6.5.1 G3 INTERFACE UNIT TYPE M3 (D146/D147)}

d1673010
\begin{tabular}{|l|c|c|l|}
\hline \multicolumn{1}{|c|}{ Component } & Code & No. & \multicolumn{1}{c|}{ Remarks } \\
\hline FCU & \multirow{2}{*}{ D163 } & 1 & \multirow{2}{*}{ Included with the fax unit } \\
& & 5 & \\
\hline GWFCU I/F & \multirow{2}{|c|}{ G578 } & 2 & Optional \\
\hline Expansion Memory & \multirow{2}{*}{ D163 } & 3 & \multirow{2}{*}{ Included with optional G3 unit } \\
& & 4 & \\
\hline SG3 Board & & & \\
\hline
\end{tabular}

\subsection*{6.5.2 G3 INTERFACE UNIT TYPE M4 (D148/D149/D150)}

d1673010
\begin{tabular}{|l|c|c|l|}
\hline \multicolumn{1}{|c|}{ Component } & Code & No. & \multicolumn{1}{c|}{ Remarks } \\
\hline FCU & \multirow{2}{*}{ D167 } & 3 & \multirow{2}{*}{ Included with the fax unit } \\
& & 5 & \\
\hline GWFCU I/F & \multirow{2}{|c|}{ G578 } & 4 & Optional \\
\hline Expansion Memory & \multirow{2}{*}{ D167 } & 2 & \multirow{2}{*}{ Included with optional G3 unit } \\
& & 1 & \\
\hline SG3 Board & & & \\
\hline
\end{tabular}

\section*{D148-81 SMART OPERATION PANEL TYPE M3}
\begin{tabular}{|c|c|c|}
\hline \multicolumn{2}{|c|}{ REVISION HISTORY } \\
\hline Page & Date & Added/Updated/New \\
\hline 1 & \(11 / 14 / 2013\) & Added the Caution to the Installation Procedure \\
\hline 22 & \(10 / 24 / 2013\) & Application Installation/Version Update \\
\hline
\end{tabular}

\title{
SMART OPERATION PANEL TYPE M3 (D148-81)
}

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\section*{READ THIS FIRST}

\section*{Safety and Symbols}

\section*{Replacement Procedure Safety}

\section*{\(\triangle\) CAUTION}
－Turn off the main power switch and unplug the machine before beginning any of the procedures in this manual．

\section*{Symbols}

This manual uses the following symbols．
\begin{tabular}{|c|c|}
\hline Symbol & What it means \\
\hline 4 & Bushings \\
\hline （5） & C－ring \\
\hline \(\square\) & Connector \\
\hline C & E－ring \\
\hline 囫 & Harness clamp \\
\hline 馆 & Pointer \\
\hline \(\hat{8}\) & Screw \\
\hline 容 & Standoff \\
\hline r & Hook \\
\hline ， & Spring \\
\hline
\end{tabular}

\section*{1. INSTALLATION}

\subsection*{1.1 INSTALLATION PROCEDURE}

\section*{\(\Rightarrow\) CAUTION}
- Prior to installing the SOP or changing the SP's, the machine must be updated with all the firmwares for the Smart Operation Panel version of the machine. (Refer to the Mainframe Firmware History document for more information.)

\section*{Note}
- When changing the screen on the market (standard screen \(\rightarrow\) Android screen), perform the following steps.
- Smart Operation Panel Type M3 is not the option for EU region. (Standard model)
1. Change the SP modes below before changing the operation panel.
- \(\quad\) Change SP5-748-101 bit0 to 1
- Change SP5-748-201 to 1
2. Turn the main power OFF.
3. Operation panel (page 3 "Operation Panel")
4. Operation panel lower cover \([A](\hat{\beta} \times 6)\)

5. Harness guide \([A]\left({ }^{(1)} \times 2\right)\)

6. Attach the Smart Operation Panel Type M3.
7. Turn the main power ON .
8. Change the SP modes below.
- Change SP5-752-001 bit0 to 1
- Change Scanner SP1-041-001 bit0 to 1

If fax option is installed,
- Change Fax SP3-301-001 bit0 to 1
9. Turn the main power OFF/ON. If it is connected normally, the default setting icons are displayed.

\section*{2. REPLACEMENT AND ADJUSTMENT}

\subsection*{2.1 OPERATION PANEL UNIT}


\subsection*{2.1.1 OPERATION PANEL}
1. Scanner front cover (Refer to Main Frame SM)
2. Operation panel upper cover [A] ( hook \(\times 2\) )




\subsection*{2.1.2 PCB-L}
1. Operation panel (page 3 "Operation Panel")
2. Operation panel rear cover \([\mathrm{A}](\mathbb{E} \times 4\), hook \(\times 4\) )

- There are 4 hooks inside the operation panel. Before removing the operation panel rear cover, see the photos below.



4. Bracket \([\mathrm{A}]\left({ }^{-1} \times 6\right)\)

5. PCB-L \([A]\left(\mathrm{C}^{-1} \times 2\right)\)


\subsection*{2.1.3 LCD}
1. Operation panel (page 3 "Operation Panel")
2. Operation panel rear cover (page 4 "PCB-L")
3. Operation panel arm bracket (page 4 "PCB-L")
4. Remove the harness guide \([A]\) and bracket cover \([B]\). ( \(\times 2\) )

5. Bracket \([A](\mathbb{\theta} \times 6, \stackrel{9}{\Omega} \times 1\),tape \(\times 1)\)




\subsection*{2.1.4 PCB-R}
1. Operation panel (page 3 "Operation Panel")
2. Operation panel rear cover (page 4 "PCB-L")
3. Operation panel arm bracket (page 4 "PCB-L")
4. Remove the harness guide and bracket cover. (page 6 "LCD")
5. Bracket (page 6 "LCD")
6. PCB-R \([A]\left({ }^{-1} \times 3\right)\)


\subsection*{2.1.5 SPEAKER 1}
1. Operation panel (page 3 "Operation Panel")
2. Operation panel rear cover (page 4 "PCB-L")
3. Operation panel arm bracket (page 4 "PCB-L")
4. Remove the harness guide and bracket cover. (page 6 "LCD")
5. Bracket (page 6 "LCD")
6. Speaker \(1[A]\left(\begin{array}{l}(1) \\ )\end{array} \times 1\right)\)


\subsection*{2.1.6 LCD PANEL}
1. PCB-L (page 4 "PCB-L")
2. LCD (page 6 "LCD")
3. PCB-R (page 7 "PCB-R")
4. Speaker1 (page 7 "Speaker 1")
5. Remove the LCD panel with the bracket [A]. (

6. Remove the bracket \([A]\) from the LCD panel. (

7. LCD panel [A] ( \(\left.\mathrm{Cl}^{\mathrm{N}} \times 1\right)\)


\subsection*{2.1.7 SPEAKER 2}
1. PCB-L (page 4 "PCB-L")
2. LCD bracket (page 6 "LCD")
3. Disconnect a connector.

4. Speaker \(2[A]\) (cushioning \(\times 1\) )


\section*{3. MECHANISM}

\subsection*{3.1 OVERVIEW}

\subsection*{3.1.1 SYSTEM COMPONENTS}

The Android control unit is a control unit in which the Android OS connected with the MFP by USB, is installed.

[A]: Android screen
[B]: Android firmware (update from recovery mode)
[C]: Android application (perform installation version update from screen SP mode)

\section*{Specification}
\begin{tabular}{|l|l|l|l|}
\hline \multicolumn{1}{|c|}{ Category } & \multicolumn{1}{|c|}{ Item } & \multicolumn{1}{|c|}{ Contents } & Remarks \\
\hline \multirow{4}{*}{ LCD } & Size & 10.1 inch panel & \\
\cline { 2 - 4 } & No. of pixels & WSVGA (1024×600) & \multirow{2}{*}{ 18-bit color } \\
\cline { 2 - 4 } & Bit width & RGB666 & \\
\cline { 2 - 4 } & Brightness & 200cd/m² & \\
\cline { 2 - 4 } & Back light.) & \begin{tabular}{l} 
LED rear light \\
(lifetime 15000h)
\end{tabular} & \\
\hline \multirow{2}{*}{ Touch panel } & & \begin{tabular}{l} 
Light load touch panel, 2 -point \\
touch detection
\end{tabular} & \\
\hline Memory & Volatile memory & RAM: 1GB & \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|}
\hline Category & Item & Contents & Remarks \\
\hline & Non-volatile memory & NAND: 2GB & Program area and data area for the OS and applications \\
\hline \multirow{3}{*}{External I/F} & USB memory & USB2.0 Host Type-A & \\
\hline & SD card & SD card slot 1ch (SD/SDHC) & \\
\hline & USB & USB2.0 Host Type-mini AB & Not available \\
\hline Network & Wireless LAN & 802.11b/g/n & \\
\hline Audio input/output & Speaker/microphone & \begin{tabular}{l}
Monophonic speaker 1ch (power 1-2W) \\
Microphone
\end{tabular} & \\
\hline \multirow[b]{2}{*}{Power consumption} & When active & During regular time: Less than 4W During wireless-LAN high-load operation: Less than 4.6W & Excluding external I/F and internal function expansion. \\
\hline & During sleep & Less than 350 mW & In sleep mode or while the power is off, do not supply power to an extension USB device connected to an external USB port. \\
\hline
\end{tabular}

\section*{Available languages}

Japanese, American English, German, French, Italian, Spanish, Dutch, Spanish, Russian, Chinese (simplified Chinese characters) and Chinese (traditional Chinese characters)

\subsection*{3.1.2 APPEARANCEISCREEN LAYOUT}

The Android control unit is a control unit in which the Android OS connected with the MFP by USB, is installed.

\begin{tabular}{|c|l|c|l|}
\hline No. & \multicolumn{1}{|c|}{ Description } & No. & \multicolumn{1}{|c|}{ Description } \\
\hline 1 & USB slot & 9 & "Data In" LED \\
\hline 2 & USB LED & 10 & FAXLED \\
\hline 3 & SD slot & 11 & \begin{tabular}{l} 
Menu key (Only used for Android \\
Apps)
\end{tabular} \\
\hline 4 & SD LED & 12 & \begin{tabular}{l} 
Back key (Only used for Android \\
Apps)
\end{tabular} \\
\hline 5 & mini USB slot & 13 & Home key \\
\hline 6 & reset key & 14 & Main power / Energy save LED \\
\hline 7 & Check status key & 15 & Stop key \\
\hline 8 & Status LED & & \\
\hline
\end{tabular}

\section*{1. Key specification}
\begin{tabular}{|l|l|}
\hline \multicolumn{1}{|c|}{ Key } & \multicolumn{1}{c|}{ Description } \\
\hline Home & Change to home screen. \\
\hline Status check & Change to status display screen. \\
\hline Stop & Change to stop screen. \\
\hline Back & \begin{tabular}{l} 
Return to previous screen. (The return destination may be \\
the home screen).
\end{tabular} \\
\hline Menu & \begin{tabular}{l} 
Change to the menu screen of a displayed application. In \\
case of an application without a menu screen, it does not \\
operate.
\end{tabular} \\
\hline Reset button & Reboot the control unit. \\
\hline
\end{tabular}
* The Return and menu keys are used for operation of Android applications (browser, gallery, etc.).

\section*{2. LED specification}
\begin{tabular}{|l|l|}
\hline \multicolumn{1}{|c|}{ LED } & \multicolumn{1}{c|}{ Description } \\
\hline Power supply & Shows the OFF/ON status of the power supply. \\
\hline Home & Shows the HOME screen. \\
\hline FAX & \begin{tabular}{l} 
Displays the fax status. \\
During communication: Blinks \\
Proxy receive (FAX): Lights \\
Confidential receipt (FAX): Lights
\end{tabular} \\
\hline Data-in & Displays the printer data status. \\
\hline Status check & Displays the device status. \\
\hline Main power supply & Shows energy-save and power supply status. \\
\hline SD access & Shows SD access status. \\
\hline USB access & Shows USB access status. \\
\hline
\end{tabular}

\section*{3. External I/F specification}
\begin{tabular}{|l|l|}
\hline \multicolumn{1}{|c|}{ External I/F } & \multicolumn{1}{c|}{ Description } \\
\hline SD card slot & \begin{tabular}{l} 
Available from both GW application/Android application. \\
(to use, change over).
\end{tabular} \\
\hline USB slot & Available only from GW application \\
\hline mini USB slot & Not available \\
\hline
\end{tabular}

\section*{4. Screen layout}

\begin{tabular}{|c|l|l|}
\hline No. & \multicolumn{1}{|c|}{ Part name } & \multicolumn{1}{c|}{ Description } \\
\hline\([A]\) & Application screen area & This is the application display area. \\
\hline\([B]\) & Login banner & Display login information. \\
\hline\([C]\) & System banner & Perform banner display. \\
\hline\([D]\) & Energy-save button & Perform energy-save shift and recovery. \\
\hline
\end{tabular}

\subsection*{3.1.3 ELECTRICAL COMPONENTS}

\begin{tabular}{|c|l|l|}
\hline No. & \multicolumn{1}{|c|}{ Item } & \multicolumn{1}{c|}{ Description } \\
\hline 1 & Microcomputer substrate & \begin{tabular}{l} 
Board with microcomputer which performs \\
(energy-save) power supply control of the \\
control unit \\
(Ricoh: Corresponds to right of key board)
\end{tabular} \\
\hline 2 & Speaker & \begin{tabular}{l} 
Board with external IF connector (also, a WLAN \\
module) \\
(Ricoh: Corresponds to left of key board)
\end{tabular} \\
\hline 3 & I/O board & \begin{tabular}{l} 
Main board with main control CPU \\
(Ricoh: corresponds to LCDC board)
\end{tabular} \\
\hline 4 & CPU board & LCD (liquid crystal) I/F cable
\end{tabular} Small gauge coaxial \begin{tabular}{|c} 
\\
\hline 5
\end{tabular}

\subsection*{3.2 POWER SUPPLY CONTROL}

\subsection*{3.2.1 ENERGY-SAVE RECOVERY OPERATION}

An Android screen is different from a conventional screen (standard screen) in the method of recovery from energy-saving mode.
\begin{tabular}{|c|l|l|}
\hline \multicolumn{1}{|c|}{ Key } & \multicolumn{1}{|c|}{ Android control unit } & \multicolumn{1}{c|}{ Standard control unit } \\
\hline HOME & \begin{tabular}{l} 
Perform energy-save recovery, and \\
display home screen. \\
(Equivalent to standard control unit \\
[Energy-save] key)
\end{tabular} & Does not recover. \\
\hline Status check & \begin{tabular}{l} 
Perform energy-save recovery, and \\
display status confirmation screen.
\end{tabular} & Same left \\
\hline Energy-save & No key & \begin{tabular}{l} 
Perform energy-save recovery, and \\
display priority application screen. \\
* During recovery from low power \\
mode, display application screen \\
before shift.
\end{tabular} \\
\hline LCD touch & \begin{tabular}{l} 
Perform energy-save recovery, and \\
display status confirmation screen. \\
(Equivalent to standard control unit \\
[Energy-save] key)
\end{tabular} & Does not recover. \\
\hline Returns & \begin{tabular}{l} 
Perform energy-save recovery, and \\
display status confirmation screen. \\
(Equivalent to standard control unit \\
[Energy-save] key)
\end{tabular} & No corresponding key \\
\hline MENU & \begin{tabular}{l} 
Perform energy-save recovery, and \\
display status confirmation screen. \\
(Equivalent to standard control unit \\
[Energy-save] key)
\end{tabular} & No corresponding key \\
\hline STOP & \begin{tabular}{l} 
Perform energy-save recovery, and \\
display status confirmation screen. \\
(Equivalent to standard control unit \\
[Energy-save] key). \\
(Equivalent to standard control unit \\
[Energy-save] key).
\end{tabular} & Does not recover. \\
\hline Login/logout & No key & Does not recover. \\
\hline
\end{tabular}

\subsection*{3.2.2 SCREEN STARTUP MODE}

As control unit start-up modes, a Normal Startup Mode (power-saving mode) and Quick Startup Mode are provided. Each mode can be changed over from Screen Features \(\rightarrow\) Screen Device Settings \(\rightarrow\) Screen Startup Mode.

d1462656
1. Normal Startup Mode (power-saving mode): Default

This is a mode with minimum power. Since the power is reduced to the minimum, normal startup will take time (start-up time guide: 68 seconds).
2. Quick Startup Mode

In this mode, a minute amount of power is supplied to the screen even when the power is OFF, and the home screen is displayed immediately when the power is switched ON. (start-up time guideline: 17 seconds)
In Quick Startup Mode, preparations for the next startup are performed even during shutdown. Therefore, shutdown takes longer than in Normal Startup Mode.

\section*{4 Note}
- When shutdown is performed in Quick Startup Mode, the screen changes in the following order:
1. The screen turns off.
2. The screen turns off.
3. The power LED blinks.
- The power LED turns off.

\subsection*{3.2.3 SPECIAL SHUTDOWN}

To facilitate maintenance, the following two shutdown procedures are provided:
1. Maintenance shutdown (shortens shutdown time)

When the Quick Startup Mode is set, preparations for the next start-up are performed during shutdown, so shutdown takes more time than in normal start-up mode. If the power is switched OFF by the following steps, even if the Quick Startup Mode is set, the same shutdown is performed as in normal mode (shutdown time is shortened).
2. MFP version update shutdown (screen remains energized)

When the MFP controller or engine firmware version is updated, if shutdown and start-up of the Android screen take time, working efficiency decreases. Therefore, by performing the following procedure, the MFP controller/engine can be powered off alone without completely shutting down the Android screen.
- After shutdown is completed by this procedure, when the MFP is left for 5 minutes or longer, it starts up in normal start up mode the next time that the power is switched ON.

\section*{4. SYSTEM MAINTENANCE}

\subsection*{4.1 SYSTEM MAINTENANCE}

\subsection*{4.1.1 BASIC OPERATION}

\section*{Switching the Power OFF before Performing Maintenance (before Disconnecting the Power Supply Plug)}
1. Press the power switch while pressing the [STOP] key.

Continue pressing the [STOP] key until "Shutting Down" is displayed.
- Shutdown can be performed in a short time even when the Quick Startup Mode is set.

\section*{Switching the Power OFF before Upgrading the MFP (Controller/Engine) Version}
1. Press the power switch while pressing the [STOP] key.

Continue pressing the [STOP] key until "Shutting Down" is displayed.

\section*{\(\downarrow\) Note}
- When upgrading the Android screen firmware version, switch the power OFF by the normal procedure.

\section*{Reset Procedure If the Android Screen Freezes}

\section*{CAUTION}
- If reset is performed when the Android screen is in operation, data stored in the Android screen may be corrupted.
1. Press the reset button on the left side of the control unit in order to reboot the control unit.

\subsection*{4.1.2 MAINTENANCE MODES}

The different service modes and their roles are as follows.
* For security reasons, the specific methods for switching between service modes are not given here. Please check according to the usual procedure.
\begin{tabular}{|c|l|l|}
\hline \multicolumn{1}{|c|}{ Mode } & \multicolumn{1}{c|}{ Application } & \multicolumn{1}{c|}{ Remarks } \\
\hline MFP SP mode & \begin{tabular}{l} 
MFP (engine) \\
- Conventional SP mode
\end{tabular} & \begin{tabular}{l} 
Since a 10-keypad is used \\
for mode shift, mode shift \\
must be performed from a \\
GW application.
\end{tabular} \\
\hline Screen service mode & \begin{tabular}{l} 
Android-specific screen service \\
mode \\
- Android application installation \\
and version update
\end{tabular} & Idem \\
\hline Recovery mode & \begin{tabular}{l} 
Screen self-diagnosis check
\end{tabular} \\
\hline \begin{tabular}{l} 
Android OS maintenance \\
OS update
\end{tabular} & - \\
\hline
\end{tabular}

\subsection*{4.1.3 VERSION UPDATE}

Android firmware (OS) version update is performed from recovery mode.
```

\ Note

```
- If Quick Startup is set, it is not possible to shift to recovery mode. It is necessary to perform either shutdown from Normal Startup Mode, or shutdown by the power OFF procedure prior to maintenance (before disconnecting the power supply plug).

\section*{Note}
- If extended security for firmware update is set to "prohibit", it is not possible to shift to recovery mode. (System Settings>Administrator Tools>Extended Security is displayed in log-on screen for machine administrator)
- If firmware update is required with the above settings, ask customer (machine administrator) to request a change of the setting.
1. Turn off the main power.
2. Insert the SD card in the control unit SD slot, and start the recovery mode.
3. Select "apply update from sdcard.", and press [Home] key.
\(\downarrow\) Note
- Screen operations are as follows.
- OK: [HOME] key.
- UP: [Return] key.

4. Select "update.sig.zip", and press the [HOME] key.

5. The installation screen is displayed.

6. The current version of the firmware, and the update version of the firmware in the SD card are displayed. Check that the version is correct.
7. When "Continue Update?" is displayed, press OK ([HOME] key).
8. Version Update is started.
9. When "Install from SD card complete." is displayed, select "reboot system now", press the [HOME] key, and perform a system reboot.


\subsection*{4.1.4 APPLICATION INSTALLATION/VERSION UPDATE}
1. Shift to screen service mode.
2. Set a version update SD card in the screen SD slot (The files with extension ".apk" \& ".dalp" must be on the root directory of the SD card).
3. Select "Application" \(\rightarrow\) "Install" \(\rightarrow\) "Install from SD card", and start installation.
4. Select the application for which the version is to be updated, and press the "Install Button".
5. The version update result is displayed.
6. Check the version update result, and press down the "Panel reboot" button.

\subsection*{4.1.5 SELF-DIAGNOSIS}

The following menus can be performed as self-diagnosis functions of the control unit. Either Japanese or English can be displayed.

w_d1462660

\section*{1. LED Check}

The following control unit LED can be changed over between all on/all off.
- Data in
- USB access
- HOME
- Status check (When lit, R->G->B->R->G->B is repeated at 500 ms intervals)
- BACK/MENU
- FAX
- SD access
2. Key check

Check pressing hard keys other than the [HOME] key on the control unit. When a key is depressed, the corresponding key displayed on the control unit is shown highlighted. If a foot switch is fitted, while the switch is depressed, the "FOOT SW" column is highlighted. When the [End] key is depressed, the display returns to the self-diagnosis top screen (the Return key works as a key check, so it cannot be used as a key to return to the self-diagnosis top screen).

w_d1462661
3. LCD Check

Whenever the screen is touched, the display cycles through All-white -> All-black -> All-green -> All-blue -> End in full screen view, and the display status of each color is visually verified. By cycling through all the colors, the LCD check is completed, and the display returns to the self-diagnosis top screen.

4. Speaker check

The following standard sounds are generated according to the button instructions on the screen.
- Frequency: \(220 \mathrm{~Hz}, 440 \mathrm{~Hz}, 880 \mathrm{~Hz}, 1760 \mathrm{~Hz}, 2000 \mathrm{~Hz}\)
- Sound volume: 16 levels from minimum to maximum
- Sounds standard sound by START/STOP toggle switch

w_d1462663
5. Wireless LAN check

Changes to a screen for searching wireless LAN access points with Android as standard, and a communication status check is displayed.

6. Touch panel check

Displays the difference of a detection coordinate value from the nearest reference point relative to a standard 9 points on the screen.

7. Touch panel calibration

Perform a touch-panel calibration, and set a value.
One + mark after another is displayed at locations (5 points) required for calibration. Press the center point.
When input of 5 points is complete, a display for set/reset appears.
- OK: Press Menu key
- Retry: Press Back key

d1462666

When it is desired to set the current value, the operation is completed by pressing the "Menu" key, and the display returns to the self-diagnosis screen.

To repeat the setting, or to stop touch panel calibration, press the Return key.
When the Return key is pressed, a + mark is displayed in the first position for performing calibration.
When this display appears, by pressing the Return key again, the display returns to the self-diagnosis screen.

\subsection*{4.2 SP MODE LIST}

\subsection*{4.2.1 SETTINGS MENU LIST}

\begin{tabular}{|l|l|l|l|}
\hline \multicolumn{3}{|c|}{ Menu level } & \multirow{2}{*}{ Description } \\
\hline \multicolumn{1}{|c|}{ Level 1 } & \multicolumn{1}{|c|}{ Level 2 } & \multicolumn{1}{c|}{ Level 3 } & \\
\hline \begin{tabular}{l} 
Terminal \\
information
\end{tabular} & Terminal state & \begin{tabular}{l} 
wi-fi MAC \\
address \\
(display)
\end{tabular} & \\
\hline & & Interface setting
\end{tabular}\(\quad\)\begin{tabular}{|}
\hline & wi-fi setting & \\
\hline & & \begin{tabular}{l} 
Device IP \\
address
\end{tabular} & \\
\hline & \begin{tabular}{l} 
Legal information \\
(display)
\end{tabular} & & \\
\hline & Firmware version list & & \\
\hline Device setting & Server setting & \begin{tabular}{l} 
Port number \\
(input: 1-65535)
\end{tabular} & \\
\hline & \begin{tabular}{l} 
Control unit \\
self-diagnosis
\end{tabular} & - & \begin{tabular}{l} 
Perform self-diagnosis of \\
control unit.
\end{tabular} \\
\hline
\end{tabular}

\subsection*{4.3 RECOVERY MENU}
\begin{tabular}{|l|l|}
\hline \multicolumn{1}{|c|}{ Menu } & \multicolumn{1}{c|}{ Description } \\
\hline Reboot system now & \begin{tabular}{l} 
System reboot \\
(used to come out of recovery mode)
\end{tabular} \\
\hline apply update from sdcard & Android firmware (OS) version update \\
\hline wipe data/factory reset & Full format \\
\hline wipe cache partition & - \\
\hline wipe free area partition & - \\
\hline
\end{tabular}

\section*{D690}

\section*{INTERNAL FINISHER SR3130}
\begin{tabular}{|l|l|l|}
\hline \multicolumn{2}{|c|}{ REVISION HISTORY } \\
\hline Page & Date & \multicolumn{1}{l|}{ Added/Updated/New } \\
\hline & & None \\
\hline
\end{tabular}

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\section*{READ THIS FIRST}

\section*{Safety and Symbols}

This manual uses several symbols and abbreviations. The meaning of those symbols and abbreviations are as follows:
\begin{tabular}{|c|l|}
\hline (3) & Clip ring \\
\hline S & Screw \\
\hline SEF & Connector \\
\hline Clamp \\
\hline LEF & Lort Edge Feed Edge Feed \\
\hline
\end{tabular}

[B]

[A] Short Edge Feed (SEF)
[B] Long Edge Feed (LEF)

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\section*{The Aim of Anti-tip Components and Precautions}

The anti-tip components are necessary for meeting the requirements of IEC60950-1, the international standard for safety.
The aim of these components is to prevent the products, which are heavy in weight, from toppling as a result of people running into or leaning onto the products, which can lead to serious accidents such as persons becoming trapped under the product. (U.S.: UL60950-1, Europe: EN60950-1) Therefore, removal of such components must always be with the consent of the customer.
Do not remove them at your own judgment.

\section*{1. REPLACEMENT AND ADJUSTMENT}

\subsection*{1.1 INNER FINISHER}
1. Interface cable [A]

2. Open the front cover [A]

d1462870
3. Upper left cover \([A](\mathbb{B} \times 1)\)

4. Left rear cover \([\mathrm{A}](\times 2)\)

5. Finisher \([A]\left(\begin{array}{l} \\ \end{array}\right)\)

6. Bridge guide plate \([A](-2)\)


\subsection*{1.2 FINISHER FRONT COVER}
1. Pull the finisher [A]

d1462876
2. Finisher front cover \([\mathrm{A}]\left(\begin{array}{l}(1)\end{array}\right.\)


\subsection*{1.3 FINISHER UPPER COVER}
1. Finisher (-page 1 "Inner Finisher")
2. Finisher front cover (page 3)
3. Finisher upper cover \([A]\left({ }^{-1} \times 2\right)\)


\subsection*{1.4 PAPER EXIT TRAY}
1. Finisher front cover (page 3 )
2. Left lower cover \(\left.[A]()^{-} \times 2\right)\)

3. Paper exit tray \([\mathrm{A}]\left({ }^{-} \times 2\right)\)


\subsection*{1.5 PAPER EXIT COVER}
1. Paper exit tray (page 5)



\subsection*{1.6 CONTROL BOARD}

\section*{\(\triangle\) CAUTION}
- When a control board is replaced, use the same DIP switch settings as those of the control board before replacement.
1. Finisher front cover ( page 3 )
2. Control board \([A]\left(\Theta^{\times} \times 17\right)\)


\subsection*{1.7 ENTRANCE SENSOR}
1. Finisher ( page 1 "Inner Finisher")
2. Open/Close upper cover \([A]\left(\begin{array}{l}(1)\end{array}\right)\)

3. Entrance sensor unit \([\mathrm{A}]\left(\begin{array}{l}(1) \times 1)\end{array}\right.\)


\section*{4. Entrance sensor [A]}


\subsection*{1.8 ENTRANCE MOTOR}
1. Finisher ( page \(\mathbf{1}\) "Inner Finisher")
2. Finisher right rear bracket \([A](\times 2)\)

3. Finisher rear cover \([\mathrm{A}](\mathrm{e} \times 2)\)

4. Entrance motor \([\mathrm{A}]\left({ }^{-} \times 2\right.\), \(\left.\times 1\right)\)


\subsection*{1.9 TRAY LIFT MOTOR}
1. Paper exit tray ( page 5)


3. Cam [A], shaft [B] \((3) \times 1)\)

4. Tray lift motor \([A]\left(\begin{array}{l}-1\end{array}\right)\)


\subsection*{1.10 PAPER EXIT FULL SENSOR}
1. Paper exit tray (~page 5)
2. Paper exit full sensor \([A](5) \times 1\), 気 \(\times 1\) )


\subsection*{1.11 PAPER BAIL HOME POSITION SENSOR}
1. Paper exit cover ( page 6)
2. Paper bail home position sensor [A]


\subsection*{1.12 PAPER SURFACE DETECTION SENSOR}
1. Paper exit cover ( page 6)
2. Paper surface detection sensor [A]


\subsection*{1.13 PAPER BAIL MOTOR}
1. Paper exit cover ( page 6)
2. Paper bail motor \([\mathrm{A}](\mathrm{B} \times 2, \mathrm{C}=1)\)


\subsection*{1.14 TRANSPORT SENSOR}
1. Upper cover ( ( page 4 "Finisher Upper Cover")
2. Transport sensor unit [A] ( \((\underset{\beta}{ } \times 1\), 気 \(\times 1\), 佘 \(\times 1\) )

3. Transport sensor [A]


\subsection*{1.15 STRIKE ROLLER HOME POSITION SENSOR}
1. Upper cover ( page 4 "Finisher Upper Cover")
2. Rear cover (5age 10 "Entrance Motor")
3. Rotate the timing belt [A], and release the strike roller arm unit [B] from the strike roller HP sensor [C].

4. Strike roller home position sensor unit \([A](\mathbb{8} \times 1\), \(=1\), 気 \(\times 1)\)

5. Strike roller home position sensor [A]


\subsection*{1.16 PAPER EXIT GUIDE PLATE MOTOR}
1. Control board ( page 7 )
2. Paper exit guide plate motor \([\mathrm{A}](\mathrm{G} \times 2, \mathrm{~F} \times 1\), 氯 \(\times 3\) )


\subsection*{1.17 PAPER EXIT GUIDE PLATE HOME POSITION SENSOR}
1. Control board ( page 7 )
2. Rotate the paper output guide plate gear [A] counterclockwise, and release the paper output guide plate \([B]\) from the paper output guide plate HP sensor [C].

3. Paper exit guide plate home position sensor \([A]\left(C^{-1} \times 1\right)\)


\subsection*{1.18 STRIKE ROLLER MOTOR}
1. Paper exit cover ( \({ }^{\text {poge }} 6\) )
2. Rear cover ( \({ }^{( } \mathbf{p a g e} \mathbf{1 0}\) "Entrance Motor")
3. Rear rail \([A]\left(\begin{array}{l}(1)\end{array}\right.\)




\subsection*{1.19 SHIFT MOTOR}

\section*{\(\triangle\) CAUTION}
- After attaching, rotate the knob, and check that all gear trains can rotate.
- After attachment, when the cam is rotated, check that the link interlocks.

1. Open/Close upper cover ( page 4 "Finisher Upper Cover")
2. Control board bracket ( page 7 "Control Board")
3. Pulley [A], Timing belt \([B](3) \times 1)\)

4. Shift motor unit \([A]\left(\underset{\theta^{2}}{ } \times 2\right.\), \(=1\), 込 \(\times 1\) )

5. Shift motor \([A]\left(\begin{array}{l}(1)\end{array}\right)\)


\subsection*{1.20 SHIFT ROLLER HOME POSITION SENSOR}
1. Control board bracket ( \(\downarrow\) page 7 "Control Board")


3. Shift roller home position sensor [A]


\subsection*{1.21 STAPLER HOME POSITION SENSOR}
1. Control board bracket ( page 7 "Control Board")
2. Open/Close upper cover ( page 4 "Finisher Upper Cover")
3. Knob [A]

4. Entrance cover \([\mathrm{A}](\times 2)\)

5. Stapler home position sensor unit \([A]\left(\Theta^{\circ} \times 1,{ }^{[1}\right)\)


\section*{6. Stapler home position sensor [A]}


\section*{4 Note}
- If it is difficult to remove and attach, insert the stapler unit into the rear.

\subsection*{1.22 STAPLER DISPLACEMENT MOTOR}

\section*{\(\triangle\) CAUTION}
- When the finisher is inverted, be careful not to deform the frame.
1. Paper exit cover ( ( page 6 )
2. Clamps (4)

3. Upside down.

4. Base cover \([\mathrm{A}](\underset{-}{(1)} \times 3)\)

5. Stapler displacement motor \([A]\left(\mathbb{\beta} \times 2, \xi^{-1} \times 1\right)\)


\subsection*{1.23 STAPLER UNIT}
1. Control board bracket ( page 7 "Control Board")
2. Insert the stapler unit [ A ] into the rear.

3. Rear end reference fence \([A](\mathbb{E} \times 2)\)

4. Entrance cover ( \({ }^{\text {p }}\) page 25 "Stapler Home Position Sensor")
5. Cover open/close switch unit \([A]\left(\Theta^{\prime} \times 1, \ldots 2\right)\)

6. Harness guide unit \([A](\mathbb{C} \times 1)\)

7. Move the stapler unit to the front, and remove the cartridge [A].

(4) Note
- During installation, install the cartridge last.
8. Remove the unit fixing screw of the stapler unit ( \(\times 1\) )

9. Stapler unit \([A]\left(\begin{array}{l}(1)\end{array} \times 2\right)\)


\subsection*{1.24 JOGGER FENCE MOTOR (FRONT / REAR)}
1. Base cover ( page \(\mathbf{2 7}\) "Stapler Displacement Motor")
2. Jogger fence motor (front) [A] ( \(\times 2, \mathrm{~m}^{-1} \times 1\) )


\section*{(4) Note}
- During attachment, remove the jogger fence motor (rear) bracket [A], and check that the motor pulley has not separated from the timing belt.

3. Jogger fence motor (rear) \([A]\left({ }_{8} \times 2, \ldots \times 1\right)\)


\section*{(4) Note}
- During attachment, check that the motor pulley has not separated from the timing belt.

\subsection*{1.25 JOGGER FENCE HOME POSITION SENSOR (FRONT)}
1. Paper exit cover ( page 6)
2. Jogger fence home position sensor (front) unit \([A]\left(\times 1,{ }^{(1)} \times 1\right.\), 氯 \(\times 1\) )

3. Jogger fence home position sensor (front) [A]


\subsection*{1.26 JOGGER FENCE HOME POSITION SENSOR (REAR)}
1. Paper exit cover ( page 6)
2. Jogger fence home position sensor (rear) unit \([A](\mathbb{E} \times 1 \text {, })^{1} \times 1\) )

3. Jogger fence home position sensor (rear) [A]


\subsection*{1.27 STAPLER TRAY JAM DETECTION SENSOR}
1. Paper exit cover ( page 6)
2. Paper exit roller unit \([\mathrm{A}](\mathrm{B} \times 1)\)

3. Stapler tray jam detection sensor unit \([\mathrm{A}]\left(\mathrm{C}^{2} \times 1, \mathrm{H}^{(1)} \times 1\right.\),

4. Stapler tray jam detection sensor [A]


\subsection*{1.28 PAPER DETECTION SENSOR}
1. Jogger fence motor (rear) ( page 32 )
2. Jogger fence motor (rear) bracket [A] ( \(\times 2\), 氯 \(\times 3\) )

3. Paper detection sensor unit \([A]\left(\Theta^{2} \times 2,{ }^{2} \times 1,5 \times 1\right)\)


\section*{4. Paper detection sensor [A]}


\section*{Note}
- During attachment, stop the sensor actuator from being caught.

\subsection*{1.29 PAPER EXIT MOTOR (FRONT)}
1. Paper exit cover (\$ page 6 )
2. Control board (
3. Rear cover ( page 10 "Entrance Motor")
4. Pulley [A], Timing belt [B]




\subsection*{1.30 PAPER EXIT MOTOR (REAR)}
1. Paper exit motor (front) ( page 39 )
2. Control board bracket ( page 7 "Control Board")
3. Gear \([\mathrm{A}](\mathrm{S}) \times 1)\)

4. Clip ring [A] (2), Shaft bracket [B]

5. Remove the fan, fan defeat ( \(\times 2\) )

6. Paper exit motor (rear) \([A](\underset{E}{6} \times 2, ~=1)\)


\section*{D691}

\section*{INTERNAL SHIFT TRAY SH3070}
\begin{tabular}{|l|l|l|}
\hline \multicolumn{2}{|c|}{ REVISION HISTORY } \\
\hline Page & Date & Added/Updated/New \\
\hline & & None \\
\hline
\end{tabular}

\title{
INTERNAL SHIFT TRAY SH3070 (D691)
}

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1.1 CONTROLLER BOARD ..... 1
1.2 SHIFT MOTOR ..... 2

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\section*{Safety and Symbols}

This manual uses several symbols and abbreviations. The meaning of those symbols and abbreviations are as follows:
\begin{tabular}{|c|l|}
\hline (3) & Clip ring \\
\hline S & Screw \\
\hline SEA & Connector \\
\hline SEF & Short Edge Feed \\
\hline LEF & Long Edge Feed \\
\hline
\end{tabular}

[B]

[A] Short Edge Feed (SEF)
[B] Long Edge Feed (LEF)

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\section*{1. REPLACEMENT AND ADJUSTMENT}

\subsection*{1.1 CONTROLLER BOARD}
1. Shift tray [A]

d1462810
2. Upper tray [A]

3. Controller board [A]

d1462812

\subsection*{1.2 SHIFT MOTOR}
1. Upper tray ( \({ }^{\text {Ppage } 1}\) "Controller Board")
2. Interlocking plate [A]

d1462813
3. Rotating plate \([A]\)

d1462814
4. Shift motor \([A]\left({ }_{5}=1\right)\)

d1462815

\section*{D692}

\section*{1 BIN TRAY BN3110}
\begin{tabular}{|l|l|l|}
\hline \multicolumn{2}{|c|}{ REVISION HISTORY } \\
\hline Page & Date & \multicolumn{1}{l|}{ Added/Updated/New } \\
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\end{tabular}

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1.2 CONTROLLER BOARD ..... 4

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\hline S & Screw \\
\hline SEF & Connector \\
\hline Clamp \\
\hline LEF & Lort Edge Feed Edge Feed \\
\hline
\end{tabular}

[B]

[A] Short Edge Feed (SEF)
[B] Long Edge Feed (LEF)

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\section*{1. REPLACEMENT AND ADJUSTMENT}

\subsection*{1.1 PAPER SENSOR}
1. Open the duplex unit.
2. Power supply cover [A]

3. Paper exit tray [A]

4. Upper left cover \([A](\mathbb{E} \times 1)\)

5. Left rear cover [A] ( \(\times 2\) )

\section*{Paper Sensor}

6. Cover [A]

7. 1 bin tray \([A]\left(C^{\|} \times 1\right)\)

8. 1 bin tray unit \(\left.[\mathrm{A}]()^{(1)} \times 2\right)\)

9. Paper sensor [A]

d1462803

\subsection*{1.2 CONTROLLER BOARD}
1. 1 bin tray unit ( page 1 "Paper Sensor")
2. Controller board [A] ( \(\times 1, \underline{(1)} \times 3)\)

d1462804

\section*{D716}

\section*{PUNCH UNIT PU3040}
\begin{tabular}{|l|l|l|}
\hline \multicolumn{3}{|c|}{ REVISION HISTORY } \\
\hline Page & Date & Added/Updated/New \\
\hline & & None \\
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1.9 HORIZONTAL REGISTRATION DETECTION UNIT HOME POSITION SENSOR ..... 12
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\hline (3) & Clip ring \\
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\hline 気 & Connector \\
\hline SEF & Chort Edge Feed \\
\hline LEF & Long Edge Feed \\
\hline
\end{tabular}

[B]

[A] Short Edge Feed (SEF)
[B] Long Edge Feed (LEF)

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\section*{1. REPLACEMENT AND ADJUSTMENT}

\subsection*{1.1 PUNCH UNIT}
1. Open the front cover [A]

2. Upper left cover \([A]\left({ }^{-1} \times 1\right)\)

3. Left rear cover \([A](\mathbb{E} \times 2)\)

4. Interface cable [A]

\section*{Punch Unit}

5. Inner finisher [A] (

6. Hopper [A]

7. Punch unit front cover \([A]\left(\xi^{-} \times 1\right)\)


PUNCH UNIT
PU3040 (D716)
8. Punch unit \([A]\left(\begin{array}{l} \\ \end{array} \times 1\right)\)


\subsection*{1.2 CONTROLLER BOARD}
1. Punch unit (page 1)
2. Invert the punch unit, and remove the control plate cover [A].

Release the claw in the blue circle, lift it in the direction of the blue arrow, and remove.

3. Controller board \([A]\left(\times 2,{ }^{\|} \times 7\right)\)


\subsection*{1.3 PUNCH UNIT HOME POSITION SENSOR}
1. Punch unit (page 1)
2. Upper front cover \([\mathrm{A}](\times 1)\)

3. Push the punch unit [A].

4. Punch unit home position sensor \([A]\left(\sum \times 1\right.\), Release the claw)


\subsection*{1.4 PUNCH MOTOR}
1. Upper front cover ( page 1)


3. Punch motor \([\mathrm{A}](\times 2)\)


\subsection*{1.5 PUNCH UNIT PULSE DETECTION SENSOR}
1. Upper front cover (page 1)



\subsection*{1.6 HORIZONTAL REGISTRATION MOVEMENT UNIT HOME POSITION SENSOR}
1. Upper front cover (page 1)
2. Horizontal registration movement unit home position sensor unit \([A]\left(\theta^{2} \times 1, ~=1\right)\)

3. Horizontal registration movement unit home position sensor [A](release the claw)


\subsection*{1.7 HORIZONTAL REGISTRATION MOVEMENT UNIT MOTOR}
1. Upper front cover (page 1)


3. Horizontal registration movement unit motor \([A]\left(\begin{array}{l}(1)\end{array}\right.\)


\subsection*{1.8 PUNCH UNIT}
1. Upper front cover (page 1)
2. Upper cover \([A]\binom{-1}{\times 2}\)

3. Horizontal registration movement unit motor unit ( page 9)
4. Upper entrance guide plate \([\mathrm{A}](\mathrm{B} \times 3)\)


\section*{( Note}
- To prevent it from falling out, press the moving parts [A] of the detached upper inlet guide plate into the groove in the blue circle.


\section*{Note}
- During attachment, attach while bringing moving parts close to the left-hand side.

5. Punch unit \([A](\mathbb{G} \times 1\), 気 \(\times 3\), 侌 \(\times 7\) )


\subsection*{1.9 HORIZONTAL REGISTRATION DETECTION UNIT HOME POSITION SENSOR}
1. Upper cover (page 1)
2. Upper entrance guide plate (page 10)
3. Spring \([A]\), Bracket \([B]\left(\begin{array}{l}(1)\end{array}\right.\)

4. Horizontal registration detection unit \([A]\left(\Theta^{2} \times 6, ~=1\right)\)


\section*{(1) Note}
- When reassembled, the protrusion of the joint needs to be in the notch of the cam.

5. Horizontal registration detection unit home position sensor \([A](\square \times 1)\)


\subsection*{1.10 HORIZONTAL REGISTRATION DETECTION UNIT MOTOR}
1. Horizontal registration detection unit (page 12)
2. Horizontal registration detection unit motor \([A]\left(\theta^{(1)} \times 2\right.\), \(\left.\times 1\right)\)


\subsection*{1.11 PUNCH HOPPER FULL SENSOR}
1. Horizontal Registration Detection Unit ( page 12)
2. Punch hopper full sensor unit \([A]\left({ }^{(1)} \times 1\right)\)

3. Punch hopper full sensor \([A]\left(\begin{array}{l}(1)\end{array}\right.\)


\subsection*{1.12 HORIZONTAL REGISTRATION SENSOR}
1. Horizontal registration detection unit (page 12)
2. Horizontal registration unit bracket \([A]\left(\Theta_{2} \times 2\right)\)

3. Horizontal registration sensor \([A]\left(\xi^{-1} \times 1\right)\)


\section*{D725}

\section*{SIDE TRAY TYPE M3}
\begin{tabular}{|l|l|l|}
\hline \multicolumn{3}{c|}{ REVISION HISTORY } \\
\hline Page & Date & Added/Updated/New \\
\hline & & None \\
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\end{tabular}

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1.4 UPPER PAPER EXIT TRAY SET SWITCH ..... 8
1.5 PAPER EXIT SWITCHING UNIT SET SWITCH ..... 9

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\section*{1. REPLACEMENT AND ADJUSTMENT}

\subsection*{1.1 DRIVE MOTOR UNIT}
1. Upper extension tray [A], Left extension tray [B]

2. Fixing plate \([\mathrm{A}](\mathrm{B} \times 1)\)

3. Side tray \([\mathrm{A}]\)

4. Drive motor unit cover \([A]\left(\begin{array}{l}(1)\end{array}\right.\)

d1462843
5. Side tray rear cover \([A]\left(\begin{array}{l} \\ \times 1\end{array}\right)\)

6. Drive motor unit \([\mathrm{A}]\left(\underset{\theta^{2}}{ } \times 3,4 \times 2\right)\)


\subsection*{1.2 UPPER PAPER EXIT SENSOR}
1. Side tray ( page 1 "Drive Motor Unit")
2. Upper paper exit tray [A]

3. Drive motor unit cover ( page 1 "Drive Motor Unit")
4. Side tray rear cover ( \(\leqslant\) page 1 "Drive Motor Unit")
5. Left paper exit cover [A] ( \(\times 1\) )

6. Paper exit switching unit \([A](\sqrt{3}) \times 1)\)

d1462848
7. Paper exit switching unit cover \([A]\left({ }^{2} \times 3\right)\)

d1462849

\section*{Upper Paper Exit Sensor}
8. Guide plate [A]

d1462850
9. Guide plate \([A]\left(\Theta^{*} \times 1\right)\)

d1462851
10. Upper paper exit sensor [A]

d1462852

\subsection*{1.3 LEFT PAPER EXIT SENSOR}
1. Paper exit tray ( page 4 "Upper Paper Exit Sensor")
2. Turn it upside down.

d1462853
3. Left paper exit sensor \([A]\left(C^{\prime} \times 1\right)\)

d1462854

\subsection*{1.4 UPPER PAPER EXIT TRAY SET SWITCH}
1. Upper paper exit tray ( page 4 "Upper Paper Exit Sensor")
2. Upper paper exit tray set switch cover [A]

3. Upper paper exit tray set switch [A]

d1462856

\subsection*{1.5 PAPER EXIT SWITCHING UNIT SET SWITCH}
1. Open the Paper exit switching unit [A]

d1462857
2. Paper exit switching unit set switch cover [A]

d1462858
3. Paper exit switching unit set switch [A]

d1462859

\title{
D766 \\ INTERNAL FINISHER SR3180
}
\begin{tabular}{|l|l|l|}
\hline \multicolumn{3}{|c|}{ REVISION HISTORY } \\
\hline Page & Date & \multicolumn{1}{l|}{ Added/Updated/New } \\
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\section*{INTERNAL FINISHER SR3180 (D766)}

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\hline S & Screw \\
\hline 気 & Connector \\
\hline SEF & Chort Edge Feed \\
\hline LEF & Long Edge Feed \\
\hline
\end{tabular}

[B]

[A] Short Edge Feed (SEF)
[B] Long Edge Feed (LEF)

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\section*{1. REPLACEMENT AND ADJUSTMENT}

\subsection*{1.1 INTERNAL FINISHER SR3180}
1. Interface cable [A]

2. Paper output tray \([A]\left(\begin{array}{l}(1)\end{array}\right.\)

3. Cover \([\mathrm{A}](\times 2)\)

4. Remove the screw on the Finisher \([A]\left(\begin{array}{l}(1)\end{array}\right)\).

5. Finisher [A].


\subsection*{1.2 FINISHER FRONT COVER}
1. Finisher (page 1)
2. Paper output tray (page 5)
3. Paper output cover (page 6)
4. Finisher front cover \([A](\times 2)\).


\subsection*{1.3 FINISHER UPPER COVER}
1. Finisher (page 1)
2. Paper output tray (page 5)
3. Paper output cover (page 6)
4. Finisher front cover (page 3)
5. Finisher upper cover \([A](\mathbb{E})\).


\subsection*{1.4 PAPER OUTPUT TRAY}
1. Paper output tray \([A]\left(\begin{array}{l}(1)\end{array}\right)\).


\subsection*{1.5 PAPER OUTPUT COVER}
1. Finisher (page 1)
2. Paper output tray (page 5)
3. Paper output cover \([A]\left(\begin{array}{l}(1)\end{array} \times\right.\)


\subsection*{1.6 REAR COVER}
1. Finisher (page 1)
2. Rear cover \([\mathrm{A}](\underset{\mathrm{G}}{\mathrm{G}} \times 2)\)


\section*{(4) Note}
- The screw on the right as you face the rear cover [A] is a step screw


\subsection*{1.7 CONTROL BOARD}
1. Finisher (page 1)
2. Paper output tray (page 5)
3. Paper output cover (page 6)
4. Control board \([\mathrm{A}](\mathbb{E} \times 4, \mathrm{E}=\times\) all \()\)


\subsection*{1.8 ENTRANCE SENSOR}
1. Finisher(page 1)
2. Rear cover (page 7)
3. Remove the entrance sensor [A] together with the bracket ( \(\times 1\), 包 \(\times 1\) ).

4. Entrance sensor \([A](\) C \(\times 1\), 缸 \(\times 1\), release the claw).

d7662024

\subsection*{1.9 TRANSPORT MOTOR}
1. Finisher (page 1)
2. Paper output tray (page 5)
3. Paper output cover (page 6)
4. Finisher front cover (page 3)
5. Disconnect the connecter attached to the transport motor \(\left.[A]\left({ }^{\circ}\right) \times 1\right)\).

d7662013
6. Loosen the screw securing the spring bracket, and then release the belt tension \(\times\) 1).

d7662014
7. Transport motor \([A]\left(\begin{array}{l}(1)\end{array}\right)\)


\subsection*{1.10 SHIFT MOTOR}
1. Finisher (page 1)
2. Paper output tray (page 5)
3. Finisher front cover (page 3)
4. Shift motor \([A](\times 2\), \(\times 1\), 氯 \(\times 2\) )

d7662035

\subsection*{1.11 JUNCTION SOLENOID MOTOR}
1. Finisher (page 1)
2. Paper output tray (page 5)
3. Paper output cover(page 6)


d7662011
5. Junction solenoid motor \([A]\left(\times 2,{ }^{(1)} \times 1\right)\).

d7662010

\subsection*{1.12 EXIT PAPER PRESSURE MOTOR}
1. Finisher (page 1)
2. Paper output tray (page 5)
3. Paper output cover (page 6)
4. Rear cover (page 7)
5. Exit paper pressure motor \([\mathrm{A}]\left(\begin{array}{l}(1)\end{array}\right)\).

6. Remove the clamp (氛 \(\times 1\) ).

7. Exit paper pressure motor \([A](5) \times 1)\).

d7662018

\subsection*{1.13 SIDE-TO-SIDE REGISTRATION SENSOR}
1. Finisher (page 1)
2. Paper output tray (page 5)
3. Paper output cover (page 6)
4. Finisher front cover (page 3)
5. Finisher upper cover
6. Remove the screws \(\left(\begin{array}{l}-1\end{array}\right)\).

7. Remove the Side-to-Side registration sensor \([A]\) together with the bracket \(\left.\left({ }^{\|}\right) \times 1\right)\).

8. Side-to-Side registration sensor [A] (release the claw).


\subsection*{1.14 OPEN/CLOSE DOOR SWITCH}
1. Rear cover (page 7)
2. Remove the screw \((\times 1)\).

3. Open/close door switch \([A]\left({ }^{(1)} \times 1\right)\).


\subsection*{1.15 SHIFT HOME POSITION SENSOR}
1. Finisher (page 1)
2. Paper output tray (page 5)
3. Paper output cover (page 6)
4. Finisher front cover (page 3)
5. Remove the shift home position sensor [A] together with the bracket ( \(\times 1\), 氰 \(\times 1\) ).

d7662037
6. Shift home position sensor \([A] \times 1\), release the claw \()\).


\subsection*{1.16 PAPER OUTPUT SENSOR}
1. Finisher (page 1)
2. Paper output tray (page 5)
3. Paper output cover (page 6)
4. Finisher front cover (page 3)
5. Finisher upper cover (page 4)
6. Remove the screw \((\times 1)\).

7. Paper output sensor \([A] \times 1\), release the claw).


\subsection*{1.17 PAPER OUTPUT PRESSURE HP SENSOR}
1. Loosen the screw and release the clamp ( \(\times 1\), 氛 \(\times 1\) ).

d7662019
2. Remove the paper output pressure HP sensor \([A] \times 1\), release the claw).


\subsection*{1.18 JUNCTION SOLENOID MOTOR HP SENSOR}
1. Remove the screw \(\left(\begin{array}{l}(1) \text {. }\end{array}\right.\)

2. Junction solenoid motor HP sensor [A] ( \(\times 1\), 気 \(\times 1\), release the claws)


\subsection*{1.19 PAPER OUTPUT FULL SENSOR 1/ PAPER OUTPUT}

\section*{FULL SENSOR 2 (STAPLE)}
1. Remove the paper output cover (page 6)
2. Remove the paper output full sensor \(1[A]\), paper output full sensor \(2[B]\left({ }^{[1]}\right) \times 1\), 佘 \(\times\) 1, for each. Release the claws)

d7662007

\subsection*{1.20 STAPLER UNIT}
1. Disconnect the connecter and release the clamps (의 \(\times 1\), 包 \(\times 2\) ).

d7662000
2. Reverse the Finisher [A].

3. Remove the screws that secure the stapler unit \([A]\left(\begin{array}{l}(1)\end{array} \times\right.\)

4. Stapler unit \(\left.[A]\left({ }^{-1}\right) \times 1\right)\)

d7662003

\subsection*{1.21 STAPLER DRIVE HP SENSOR}
1. Stapler unit (page 21)
2. Loosen the screw and release the clamp ( \(\times 1\), 氯 \(\times 1\) ).

3. Remove the stapler drive HP sensor [A] from the bracket ( \(\mathrm{F}^{1} \times 1\), 氞 \(\times 1\) ).


\subsection*{1.22 STAPLER MOTOR}
1. Stapler unit (page 21)
2. Stapler drive HP sensor (page 23)
3. Stapler motor \([A]\left(\begin{array}{l}(1)\end{array}\right)\).


\section*{D787}

\section*{PAPER FEED UNIT PB3210}
\begin{tabular}{|l|l|l|}
\hline \multicolumn{3}{|c|}{ REVISION HISTORY } \\
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\hline
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\section*{The Aim of Anti-tip Components and Precautions}

The anti-tip components are necessary for meeting the requirements of IEC60950-1, the international standard for safety.
The aim of these components is to prevent the products, which are heavy in weight, from toppling as a result of people running into or leaning onto the products, which can lead to serious accidents such as persons becoming trapped under the product. (U.S.: UL60950-1, Europe: EN60950-1) Therefore, removal of such components must always be with the consent of the customer. Do not remove them at your own judgment.

\section*{1. REPLACEMENT AND ADJUSTMENT}

\subsection*{1.1 REAR COVER}
1. Consolidated bracket \([\mathrm{A}]\left(2, \Theta^{\circ} \times 2\right)\)

d1462700
2. Rear cover \([A]\left(\theta^{-} \times 2\right)\)

d1462701

\subsection*{1.2 TRAY LIFT MOTOR (UPPER)}
1. Rear cover ( page 1)
2. Tray lift motor (upper) \([\mathrm{A}]\left(\begin{array}{l}(1), \square \times 1)\end{array}\right.\)


\subsection*{1.3 TRAY LIFT MOTOR (LOWER)}
1. Rear cover ( page 1)
2. Tray lift motor (lower) \([\mathrm{A}](\underset{8}{ } \times 2, \square=1)\)


\subsection*{1.4 TRANSPORT MOTOR}
1. Rear cover ( page 1)
2. Transport motor \([\mathrm{A}]\left(\times 2, \mathrm{C}^{-1} \times 1\right)\)


\subsection*{1.5 PAPER FEED MOTOR}
1. Rear cover ( page 1)
2. Paper feed motor \([A]\left(\hat{E} \times 2, \mathrm{C}^{-1} \times 1\right)\)


\subsection*{1.6 CONTROLLER BOARD}
1. Rear cover ( page 1)
2. Controller board \([A](\$ \times 4, \square \times 10)\)


\subsection*{1.7 TRANSPORT SENSOR, LIMIT SENSOR, PAPER END SENSOR, PAPER FEED SENSOR}
1. Paper feed unit ( page 10 , page 14)
2. Transport sensor bracket \([A]\left(\begin{array}{l}\text { ( }\end{array} \times 1\right)\)

3. Transport sensor \([A](\square \times 1)\)

4. Paper feed sensor bracket \([A]\left(\begin{array}{l}(1)\end{array}\right.\)

5. Paper feed sensor \(\left.[A]()^{-1} \times 1\right)\)

6. Paper end sensor \([A]\left(\mathbb{Q}^{-1} \times 1\right)\)

7. Limit sensor \([A]\left(Q^{-1} \times 1\right)\)


\subsection*{1.8 2ND PAPER FEED UNIT}
1. Pull out the paper trays.
2. Rear cover ( page 1)
3. Right front cover \([A]\left(\begin{array}{l}(1)\end{array}\right.\)

4. Right rear cover \([A](-1)\)

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5. Anti-tip components cover \([A]\left(\theta^{2} \times 2\right)\)

d1462709
6. Right lower cover \([A]\left(\begin{array}{l}\text { ( }\end{array}\right)\)

7. Open the Transport cover [A].

8. Stopper \([A]\binom{-1}{\times 1}\)

9. Interlock switch cover \([A]\left(\begin{array}{l}(1)\end{array}\right.\)

10. Paper feed guide plate \([A]\) (2)

11. Harness cover [A]

d1462715
12. Harness \([A]\left(\square^{-} \times 1\right.\), 佘 \(\left.\times 4\right)\)

13. 2nd Paper feed unit \([A](-2)\)


\subsection*{1.9 1ST PAPER FEED UNIT}
1. 2nd Paper feed unit ( page 10)
2. Harness \([A]\left(G^{-} \times 1\right.\), 运 \(\left.\times 6\right)\)

3. Guide plate \([A]\left(\sigma^{2} \times 1\right)\)

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4. 1st Paper feed unit \([A]\left(\theta^{3} \times 2\right)\)

d1462720

\subsection*{1.10 PICK-UP ROLLER, FEED ROLLER, FRICTION ROLLER}
1. Paper feed unit ( page 10, page 14)
2. Holder \([A](\sqrt{3}) \times 1)\)

3. Pick-up roller [A]

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4. Feed roller [A]

5. Friction roller \([\mathrm{A}](\mathrm{By} \times 1)\)
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[^0]:    *1 Option

