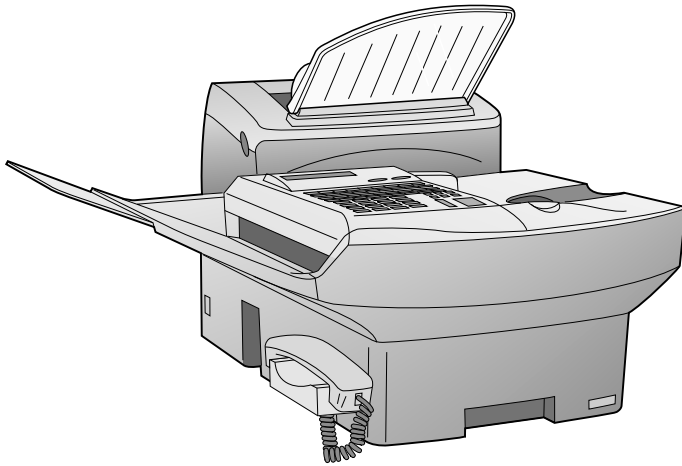


SHARP SERVICE MANUAL

No. 00ZFO5500USME



FACSIMILE

MODEL FO-5500

This service manual FO-5500U/C is applied to the optional type (FO-45UC) equipped with the 3rd transport unit of FO-6500U/C. The performance and operation are not different from the old ones. Since only the areas which are changed from those of FO-6500U/C are described, use the existing service manual (00ZFO6500USME) of FO-6500U/C together for the other areas.

CAUTION

This laser printer is a class 1 laser product that complies with 21CFR 1040.10 and 1040.11 of the CDRH standard. This means that this machine does not produce a hazardous laser radiation. The use of controls, adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

This laser radiation is not a danger to the skin, but when an exact focusing of the laser beam is achieved on the eyes retina, there is danger of spot damage to the retina.

The following cautions must be observed to avoid exposure of the laser beam to your eyes at the time of servicing.

- 1) When a problem in the laser optical unit has occurred, the whole optical unit must be exchanged as a unit, not an individual part.
- 2) Do not look into the machine with the main switch turned on after removing the toner/developer unit and drum cartridge.
- 3) Do not look into the laser beam exposure slit of the laser optical unit with the connector connected when removing and installing the optical system.
- 4) The cover of Laser Printer Unit contains the safety interlock switch.

Do not defeat the safety interlock by inserting wedges or other items into the switch slot.

Laser Wave Length : 770-810 nm

Laser Pulse Times : 49.2 μ s

Laser Output Power : 0.5 mW

Parts marked with "△" is important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

SHARP CORPORATION

This document has been published to be used for after sales service only.
The contents are subject to change without notice.

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Note: Since the following contents are the same as those of the base model FO-6500U/C, refer to the Service Manual for the base model FO-6500U/C.

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CHAPTER 1. GENERAL DESCRIPTION

[1] Specifications

• GENERAL

Applicable telephone line:	Public switched telephone network/PBX
Compatibility:	ITU-T (CCITT) G3 mode
Configuration:	Half-duplex, desktop transceiver
Compression scheme:	MH, MR, MMR and Sharp special mode
Memory size*:	1 MB (approx. 50 average pages)
Memory option:	1 MB/2 MB/4 MB Flash Memory
Scanning method:	Flat-bed, solid-state CCD
Resolution:	Horizontal: 203 lines/inch (8 dots/mm) Vertical: Standard – 98 lines/inch (3.85 lines/mm) Fine/Halftone – 196 lines/inch (7.7 lines/mm) Super fine – 392 lines/inch (15.4 lines/mm)
Printing density:	Horizontal: 406 lines/inch (16 lines/mm) Vertical: 391 lines/inch (15.4 lines/mm)
Reception modes:	Auto/Manual switching
Modem speed:	14400 bps with automatic fallback to 12000, 9600, 7200, 4800, or 2400 bps
Transmission time*:	Approx. 6 seconds (Sharp special mode)
Input document size:	Automatic feeding: Width – 5.8 to 10.1" (148 to 256 mm) Length – 5.0 to 14.3" (128 to 364 mm) Manual feeding: Width – 5.8 to 11.0" (148 to 280 mm) Length – 5.0 to 17.0" (128 to 432 mm)
Paper size:	Width – 8.5" (216 mm) Length – 11-14" (280-356 mm)
Paper capacity:	650 sheets
Automatic document feeder:	50 documents max.

Effective scanning width:	10.1" (256 mm)
Effective recording width:	8.0" (203 mm)
Copy function:	Single/Multi-copy/Sort-copy (99 copies/page)
Telephone function:	Standard (cannot be used if power fails)
Halftone (gray scale):	64 levels
Power requirements:	120 V AC, 60 Hz
Operating environment:	50-86°F (10-30°C), 20 to 85% RH
Power consumption:	Stand-by: 10 W at AC 120 V Maximum: 400 W at AC 120 V
Dimensions:	Width: 13.8" (351 mm) Depth: 22.9" (582 mm) Height: 13.7" (349 mm)
Weight:	Approx. 40.8 lbs. (18.5 kg)

• PRINTER SECTION

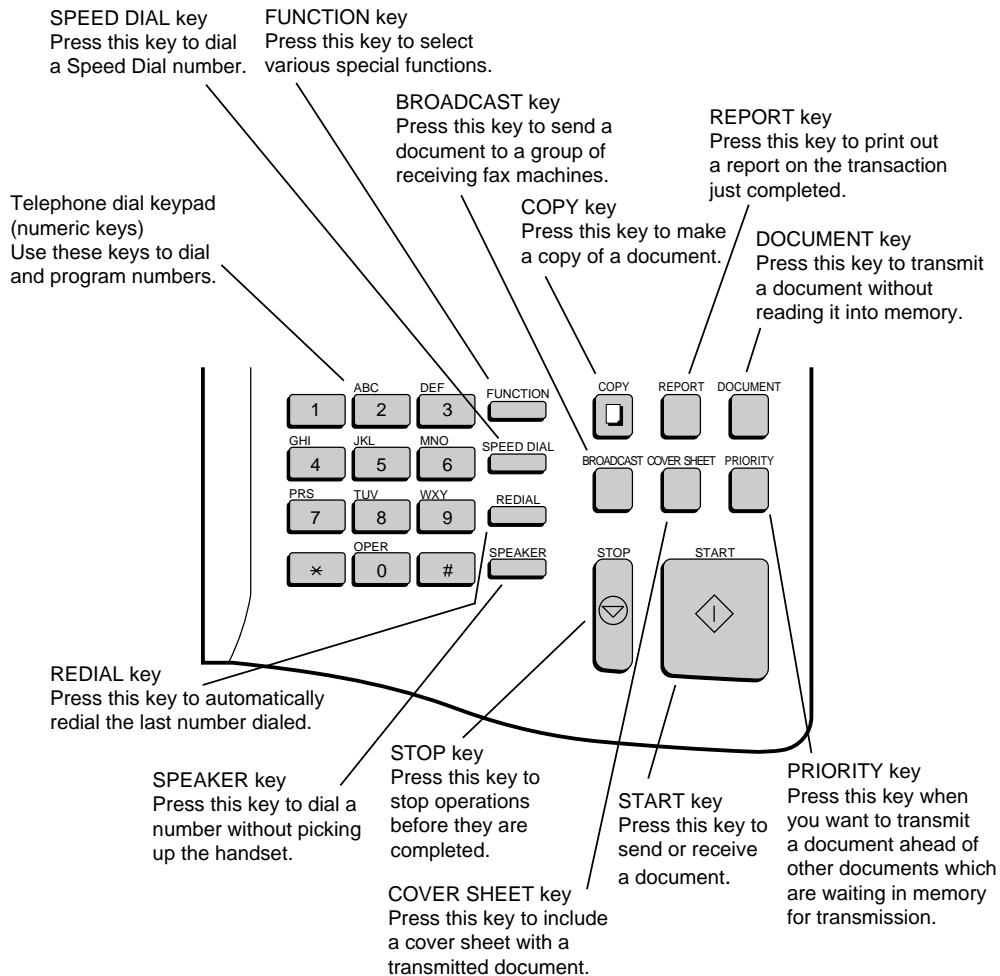
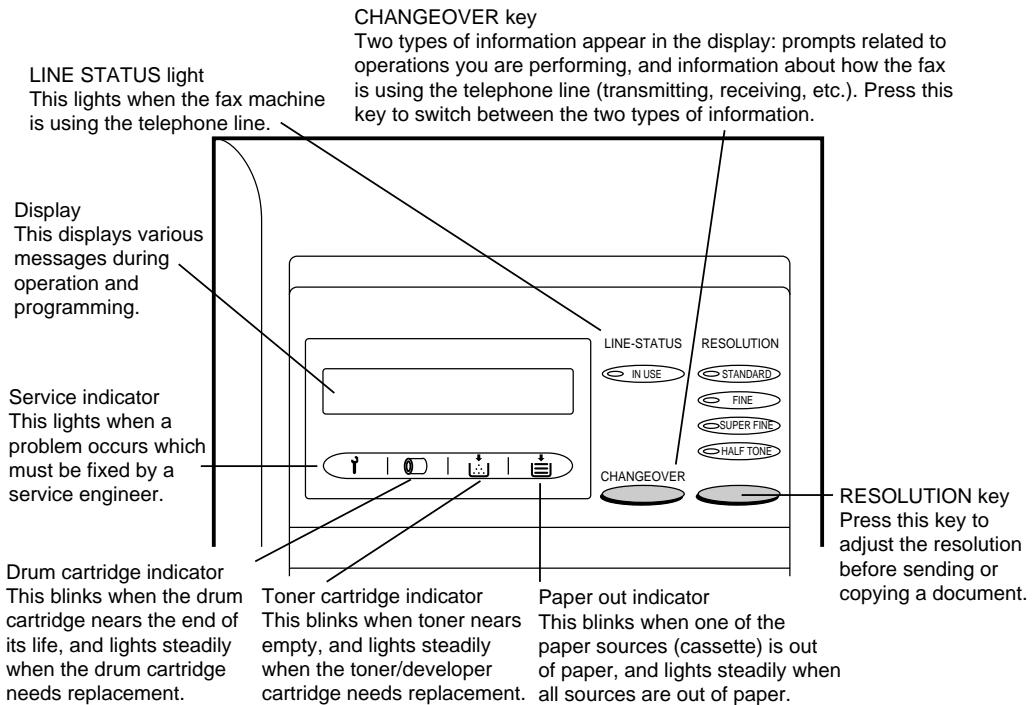
Type:	Desktop, Laser Beam Printer
Print system:	Electrostatic Dry Powdered Imaging System
Exposure system:	Laser Diode + Polygon Mirror Scanning
Resolution:	Horizontal: 406 (dot/inch) Vertical: 391 (dot/inch)
Print speed:	6 pages per minute (A4 size paper)
First print time:	Within 19 seconds (face down)
Warming-up time:	Within 40 sec.
Operating environment:	Temperature: 10-30°C Humidity: 20-80%RH
Toner cartridge life:	3,000 prints or more (when black-to-white ratio on print is 5% or less)
Drum cartridge life:	20,000 prints or more (when black-to-white ratio on print is 5% or less)

* Based on ITU-T (CCITT) Test Chart #1 at standard resolution in Sharp special mode, excluding time for protocol signals (i.e., ITU-T phase C time only).

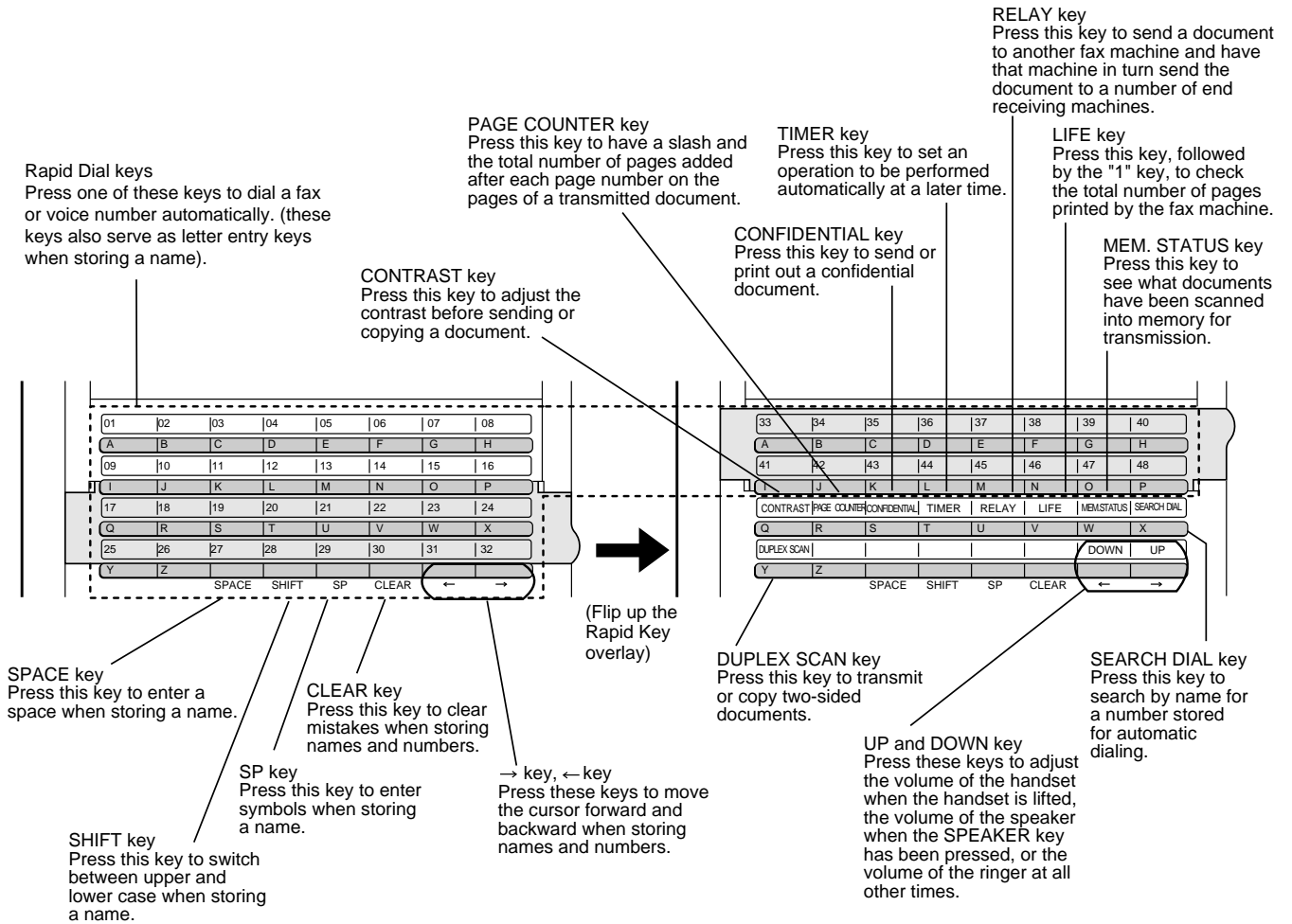
<IMPORTANT PLEASE READ FIRST>

To avoid problems with supplies, please don't use supplies from other units. Please use new supplies, when supply changes are required.

[2] Operation panel (1)



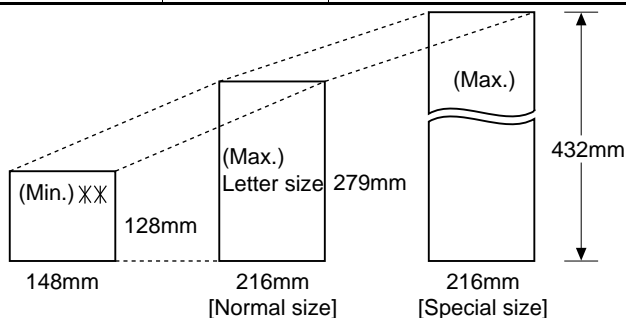
Operation panel (2)



[3] Transmittable documents

1. Document Sizes

Normal size	width	5.83" – 8.5" (148 – 216 mm)
	length	5.04" – 11" (128 – 279 mm)



** Use document carrier sheet for smaller documents.

* With special sizes, only one sheet can be fed into the machine at a time. Insert next page into feeder as current page is being scanned.

2. Paper Thickness & Weight

	Indication	Product specifications	
		Lower Limit	Upper Limit
Weight indication	Japanese indication Size 4 × 6	45kg paper	70kg paper
	Metric system indication	52g/m ²	80g/m ²
	American indication LB system indication	14 LB	20 LB
Thickness indication	Metric system indication	0.06mm	0.1mm
	Inch system indication	0.0024"	0.0035"
Document size	Document size Range	(148mm × 128mm) ~ W letter (279.4mm × 432mm) A4 (210mm × 297mm) Letter (216mm × 279mm)	
Number of ADF sheets	Document size	B6 ~ Letter/A4 size	50 sheets
	Weight	B4 size/Legal	20 sheets
		W letter size	1 sheet
		90 kg (104g/m ²) or more 135 kg (157g/m ²) or less	1 sheet
Paper quality	Kind	Paper of fine quality/bond paper/Kent paper	

3. Document Types

- Normal paper
Documents handwritten in pencil (No. 2 lead or softer), fountain pen, ball point pen, or felt-tipped pen can be transmitted. Documents of normal contrast duplicated by a copying machine can also be transmitted.
- Diazo copy (blueprint)
Diazo copy documents of a normal contrast may be transmitted.
- Carbon copy
A carbon copy may be transmitted if its contrast is normal.

4. Cautions on Transmitting Documents

- Documents written in yellow, greenish yellow, or light blue ink cannot be transmitted.
- Ink, glue, and correcting fluid on documents must be dry before the documents can be transmitted.
- All clips, staples and pins must be removed from documents before transmission.
- Patched (taped) documents should be copied first on a copier and then the copies used for transmission.
- All documents should be fanned before insertion into the feeder to prevent possible double feeds.

5. Automatic Document Feeder Capacity

Number of pages that can be placed into the feeder at anytime is as follows:

Normal size: max. 50 sheets (14 lbs – 20 lbs)

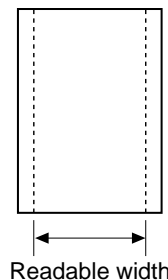
Special size: single sheet only (manual feed)

- NOTES:
- When you need to send or copy more pages than the feeder limit, place additional pages in feeder when last page in feeder is being scanned.
 - Place additional pages carefully and gently in feeder. If force is used, double-feeding or a document jam may result.

6. Readable Width & Length

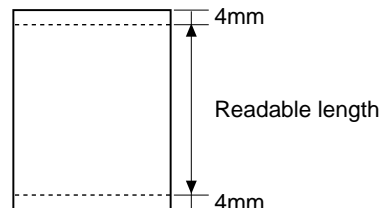
The readable width and length of a document are slightly smaller than the actual document size. Note that characters or graphics outside the effective document scanning range will not be read.

- **Readable width**
8.3" (208 mm) max.



- **Readable length**

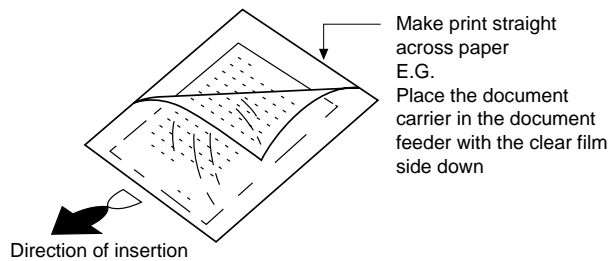
This is the length of the document sent minus 0.16" (4 mm) from the top and bottom edges.



7. Use of Document Carrier Sheet

A document carrier sheet must be used for the following documents.

- Those with tears.
- Those smaller than size 5.83" (W) × 5.04" (L) (148 mm (W) × 128 mm (L)).
- Carbon-backed documents



NOTE: To transmit a carbon-backed document, insert a white sheet of paper between the carbon back of the document and the document carrier.

- Those containing an easily separable writing substance (e.g., tracing paper written on with a soft, heavy lead pencil).

NOTES:

- When using the document carrier, carefully read the instructions written on the back.

- If the document carrier is dirty, clean it with a soft, moist cloth, and then dry it before using for transmission.
- Do not place more than one document in the carrier at a time.

- The thickness of document which can be held with the carrier sheet is up to 20 lb.

[4] Installation

1. Site selection

Take the following points into consideration when selecting a site for this model.

ENVIRONMENT

- The machine must be installed on a level surface.
- Keep the machine away from air conditioners, heaters, direct sunlight, and dust.
- Provide easy access to the front, back, and sides of the machine. In particular, keep the area in front of the machine clear, or the original document may jam as it comes out after scanning.
- The temperature should be between 41° and 95°F (10° and 35°C).
- The humidity should be between 30% and 85% (without condensation).

ELECTRICITY

A 120 V, 60 Hz, grounded (3-prong) AC outlet is required.

Caution!

- Connection to a power source other than that specified will cause damage to the equipment and is not covered under the warranty.
- If your area experiences a high incidence of lightning or power surges, we recommend that you install a surge protector for the power and telephone lines. Surge protectors can be purchased at most telephone specialty stores.

TELEPHONE JACK

A standard RJ11C telephone jack must be located near the machine. This is the telephone jack commonly used in most homes and offices.

- Plugging the fax machine into a jack which is not an RJ11C jack may result in damage to the machine or your telephone system. If you do not know what kind of jack you have, or need to have one installed, contact the telephone company.

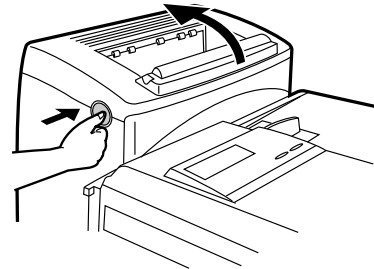
If the machine is moved from a cold to a warm place...

If the machine is moved from a cold to a warm place, it is possible that the reading glass may fog up, preventing proper scanning of documents for transmission. To remove the fog, turn on the power and wait approximately 2 hours before using the machine.

2. Installing the printer cartridges (Toner cartridge: FO-45ND/Drum cartridge: FO-45DR)

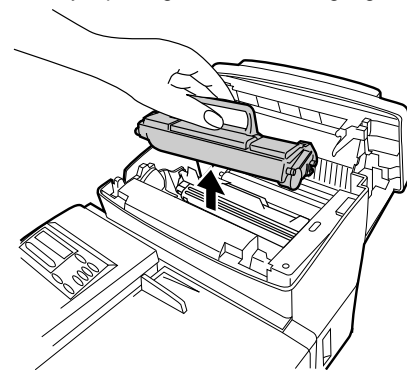
- ① Press the button on the side of the printer compartment, and open the printer cover.

- **Caution!** The ribs on the bottom of the inside of the printer cover become very hot during printing. Be careful not to touch them.
- If you are installing the cartridges for the first time, go to Step 4.

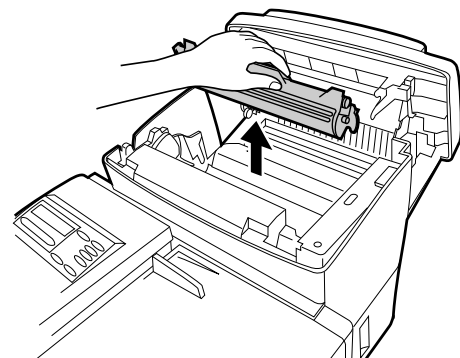


- ② If you are replacing the cartridges, grasp the handle on the toner cartridge, and pull the toner cartridge out of the compartment.

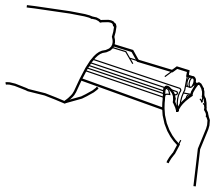
- If you are only replacing the drum cartridge, place the toner cartridge on a piece of paper on a horizontal surface.
- If you are only replacing the toner cartridge, go to Step 6.



- ③ Pull the old drum cartridge out of the compartment.

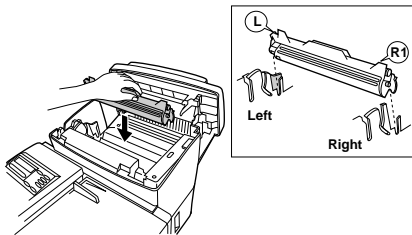


- ④ Remove the new drum cartridge from its packaging.



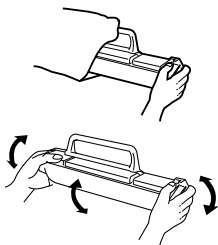
- ⑤ Align the arrowhead on the right side of the drum cartridge (the right side is marked "R") with the arrowhead pointing down which is marked on the right side of the compartment, and insert the cartridge into the compartment so that the ends of the cartridge move along the guides on the sides of the compartment. Make sure the cartridge is set firmly in place.

- Place the old drum cartridge (if you removed one) in the empty drum cartridge bag, seal the bag, and dispose of it in a way that conforms to any local regulations that may exist in your area.
- If you are not replacing the toner cartridge, go to Step 7.



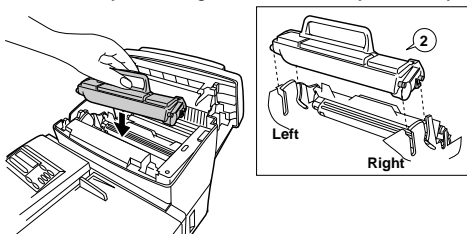
- ⑥ Remove the new toner cartridge from its packing, and shake several times as shown.

- This ensures that the toner is well distributed inside the cartridge.

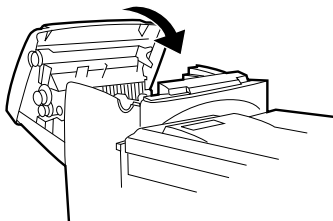


- ⑦ Hold the handle of the toner cartridge so that the "2" marked on the cartridge is to the right, and insert the cartridge into the compartment so that the two knobs on each side of the cartridge move along the two guides on each side of the compartment. Press the handle down so that the cartridge sets into place.

- Place the old toner cartridge (if you removed one) in the empty toner cartridge bag, seal the bag, and dispose of it in a way that conforms to any local regulations that may exist in your area.



- ⑧ Close the printer cover.



- ⑨ If you replaced the toner cartridge, reset the toner counter by pressing the LIFE key (flip up the Rapid Key overlay if necessary), the "2" key, and the START key.



- ⑩ If you replaced the drum cartridge, reset the drum counter by pressing the LIFE key (flip up the Rapid Key overlay if necessary), the "3" key, and the START key.

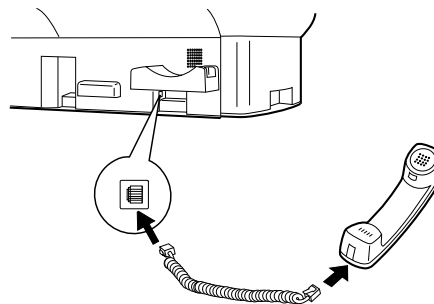


3. Assembly and connections

- ① Connect the handset cord to the handset and the fax as shown.

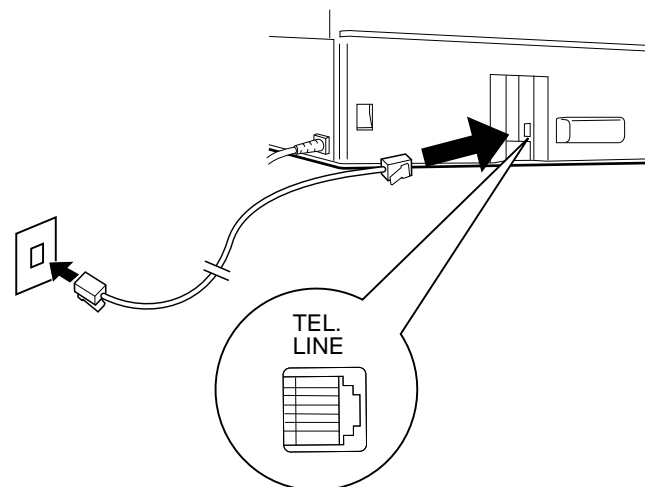
- The ends of the handset cord are identical, so they will go into either jack.

Place the handset on the handset rest.



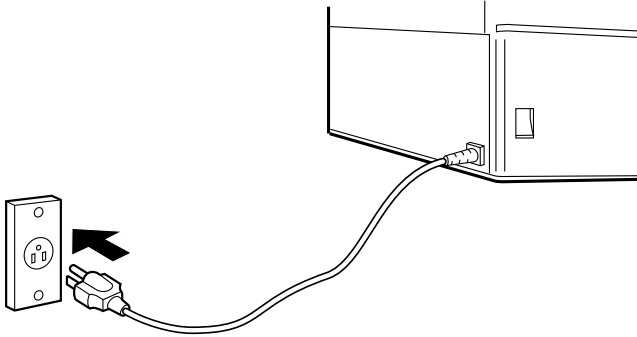
Use the handset to make ordinary phone calls, or to transmit and receive documents manually.

- ② Plug one end of the telephone line cord into the jack on the fax marked "LINE". Plug the other end into a standard (RJ11C) telephone wall jack.

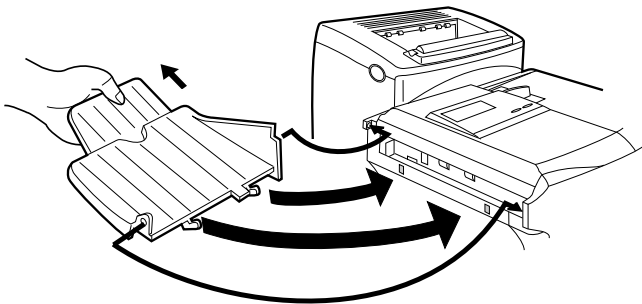


- ③ Plug the power cord into a 120V, 60Hz, grounded (3-prong) AC outlet.

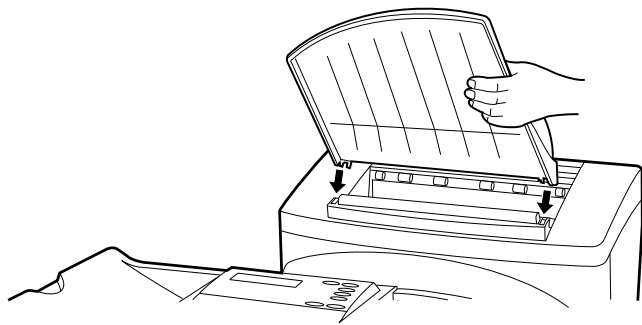
Press the power switch to turn on the power.



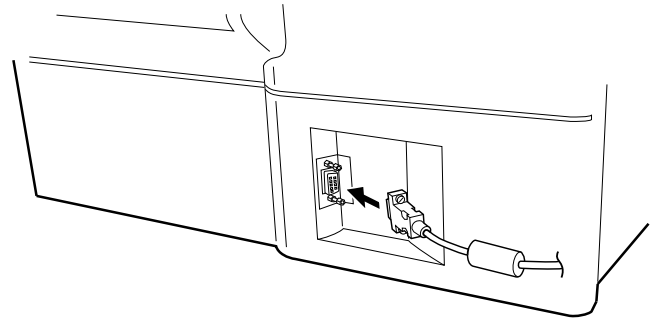
- ④ Attach the original document OUT tray by inserting the tabs into the holes in the fax as shown.



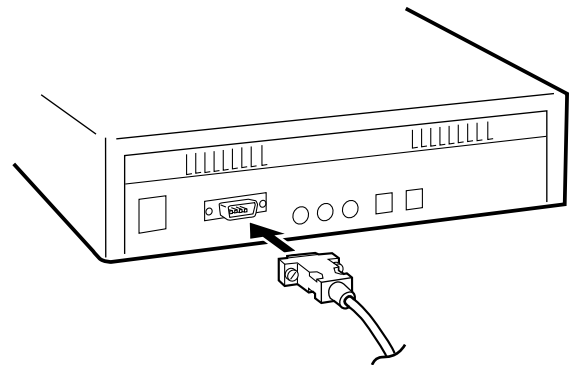
- ⑤ Attach the received document tray by inserting the tabs into the holes in the fax as shown.



- ⑥ Insert the male end of the PC interface cable into the port on the right side of fax as shown. Tighten the attached screws with a screwdriver.



- ⑦ Insert the female end of the PC interface cable into the serial (RS-232C) port on your computer. Tighten the attached screws with a screwdriver.

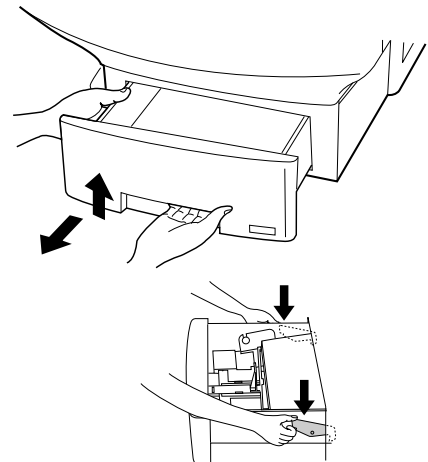


4. Loading printing paper

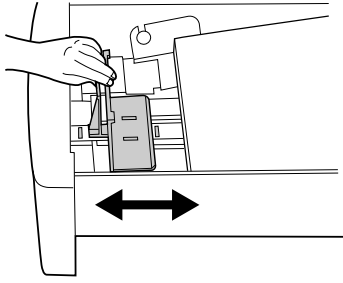
The paper cassettes and the paper tray hold the paper on which received documents are printed. If needed, a second cassette is available as an option from your dealer.

The paper cassette can hold 500 sheets of either legal or letter size paper. The paper tray can hold 150 sheets of either legal or letter size paper.

- ① Grasp the hand hold on the cassette as shown, lift the cassette slightly, and then pull it out as far as it will go. Do not force. Push down on green levers on both sides of the cassette tray as shown, and then pull it completely out of the fax using both hands.

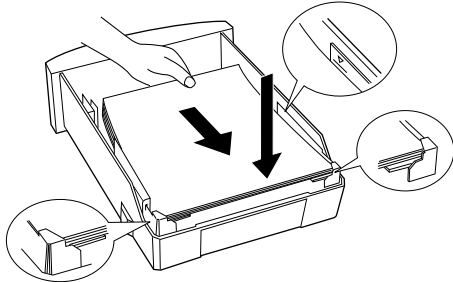


- ② Pinch the ends of the paper guide together, and move the guide to the appropriate position depending on whether you are loading letter or legal size paper.



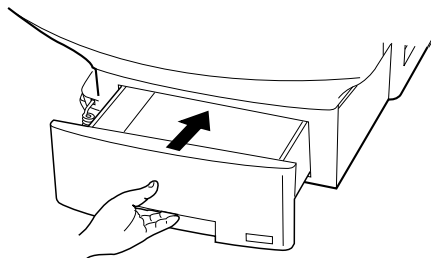
- ③ Place a stack of paper on the pressure plate, press it down, and insert the two far corners of the paper under the paper holders as shown.

- Make sure the stack of paper is not higher than the tabs at the top of the paper guide. If it is, remove some of the paper.

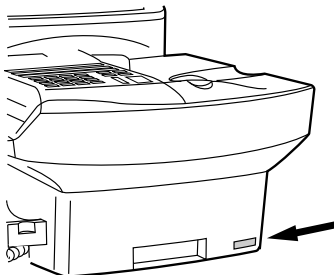


- ④ Put the cassette back in the fax.

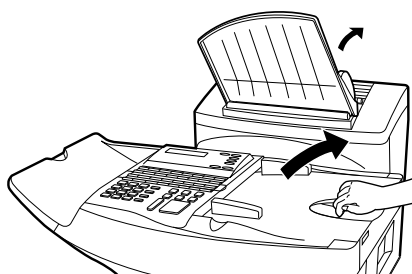
- Push down on green levers on sides of cassette for it to go all the way in.



- ⑤ If desired, attach a letter or legal sticker as appropriate to the cassette.

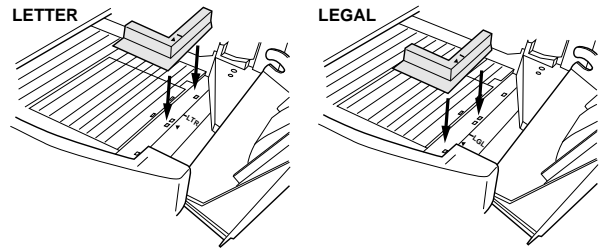


- ⑥ Rotate the received document tray back. Grasp the hand hold on the original document IN tray as shown, and open it.

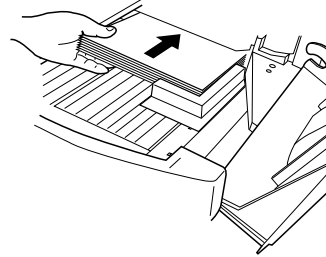


- ⑦ Move the paper guide to the appropriate position depending on whether you are loading letter or legal paper.

- To remove the paper guide, press its inner side at the arrow marks and lift.



- ⑧ Place the paper in the tray.



- ⑨ Close the original document IN tray.



- ⑩ If desired, attach a letter or legal sticker as appropriate to the fax as shown.



5. Clearing paper jams

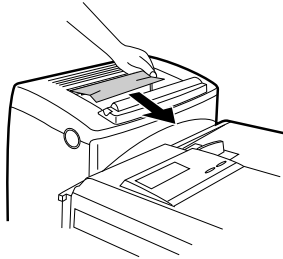
If a document doesn't feed through the scanner properly during transmission or copying, or DOCUMENT JAM appears in the display, first try pressing the **START** key. If the document doesn't come out of the feeder, open the operation panel by squeezing the operation panel release on the right side of the operation panel (marked "PULL UP"), and gently pull out document.

①



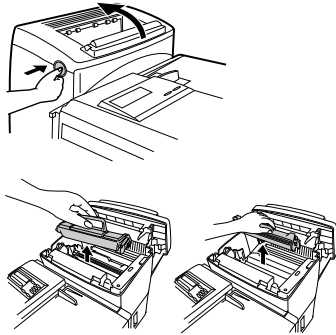
② If the leading edge of the document is protruding from the printer compartment outlet, try pulling it out.

- If you are unable to clear the paper jam in this way, continue with the following steps.



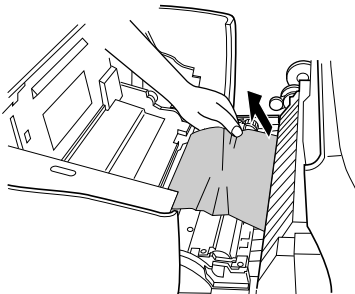
③ Open the printer cover and remove the toner cartridge and drum cartridge.

- **Caution!** The ribs on the bottom of the inside of the printer cover become very hot during printing. Be careful not to touch them.

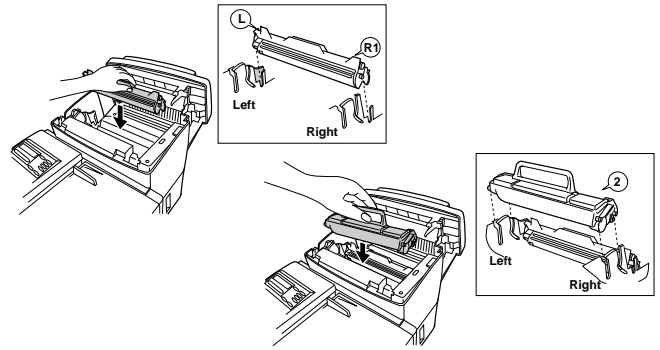


④ Gently pull the paper out of the compartment.

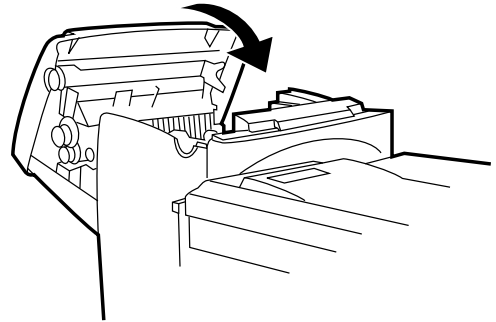
- If the leading edge of the paper has entered the fusing unit, first pull the leading edge out of the fusing unit, then pull the paper out of the compartment.
- Be sure to remove any torn pieces of paper.



⑤ Replace the drum cartridge, and then the toner cartridge.

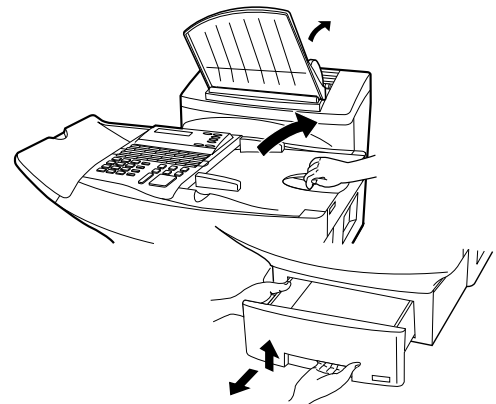


⑥ Close the printer cover.

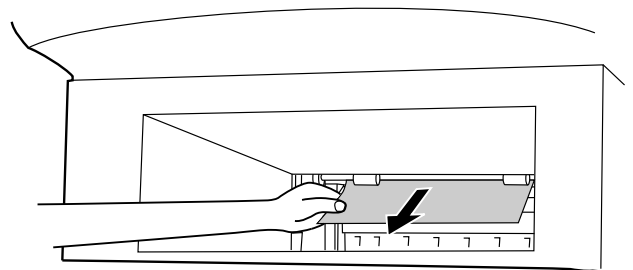


⑦ If you didn't find any paper in the printer compartment, or if PAPER JAM still appears in the display after you close the printer cover, check each paper cassette and the paper tray.

- To check the paper tray, grasp the hand hold on the original document IN tray and rotate the tray up.

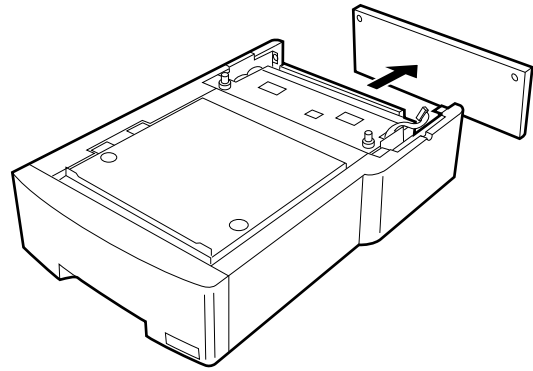


⑧ Gently pull out any jammed paper you find, and then replace the cassette or close the original document IN tray.

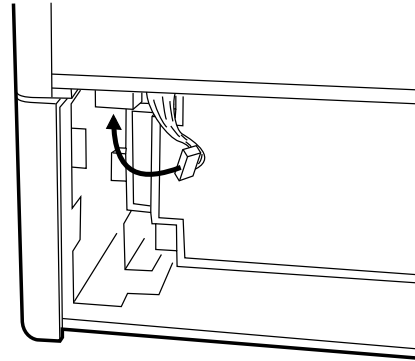


6. Installing an option cassette (FO-45UC)

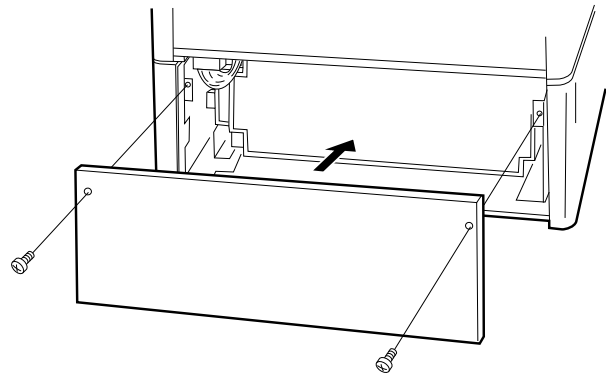
- ① Remove the two screws on the rear side of the optional cassette, and then remove the rear plate of the optional cassette.



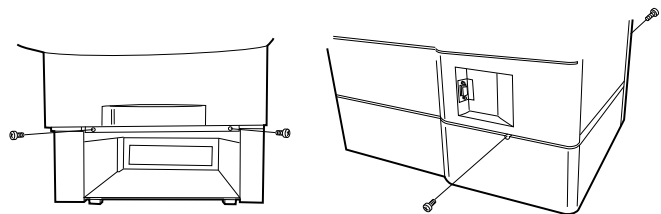
- ② Place the fax machine on top of the optional cassette. Connect the connector on the optional cassette to the wire connector on the bottom of the fax.



- ③ Replace the rear plate on the optional cassette, and secure it with the two screws.



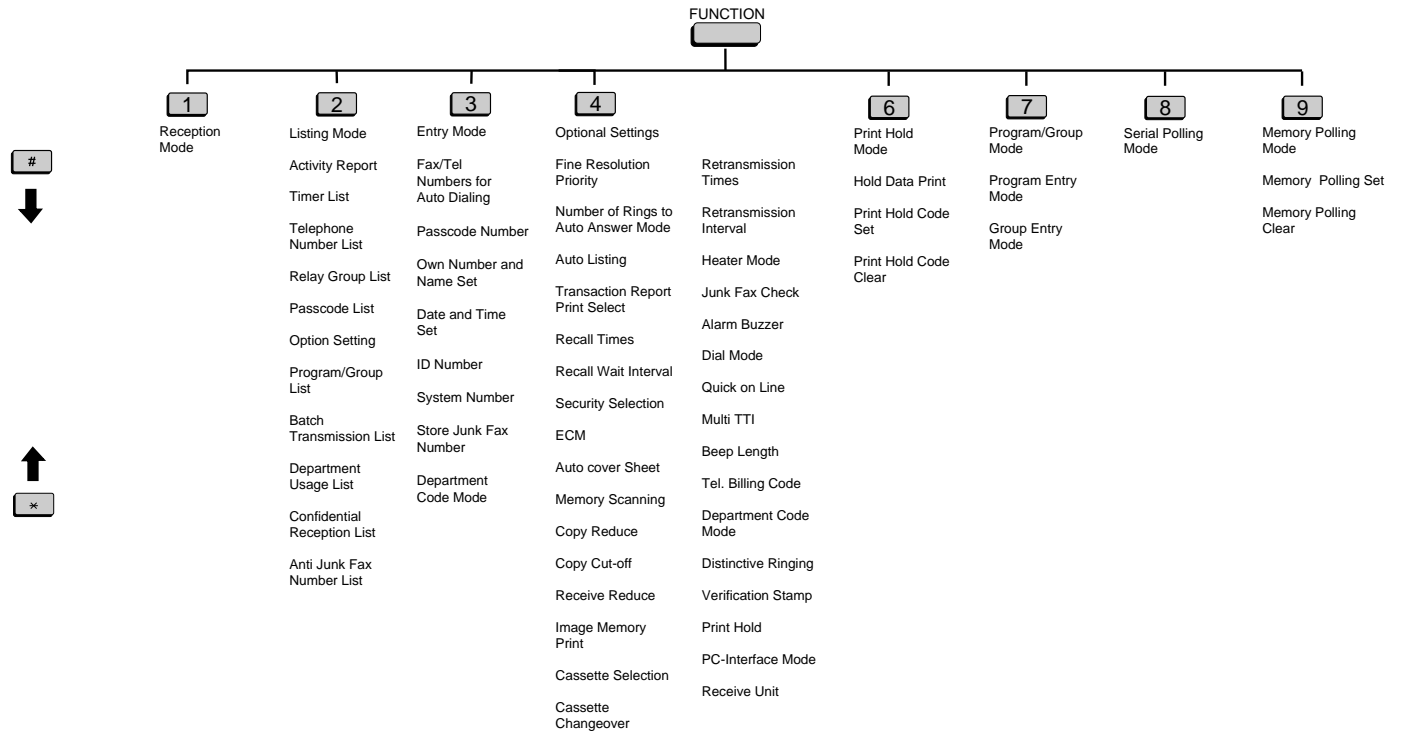
- ④ Secure the optional cassette to the fax machine with two screws on the front and one screw on each side.



[5] Quick reference guide

FUNCTION key menu

The following chart shows the layout of the functions and settings accessed by pressing the **FUNCTION** key. First press the **FUNCTION** key, the appropriate numeric key as shown, and then "#" or "*" until the desired item appears. Instructions for making each setting appear in the display. If you have any difficulty, refer to the detailed instructions on the page shown below the setting.



Note: Steps which are optional are enclosed in a dotted frame:

Transmitting documents

Normal Dialing (1)	Load document → → Lift handset or press SPEAKER → Dial (press numeric keys)
	→ Wait for reception tone → → Hang up
Normal Dialing (2)	Lift handset or press SPEAKER → Dial (press numeric keys) → Load document →
	→ Wait for reception tone → → Hang up
Direct Keypad Dialing	Load document → → Dial (press numeric keys) →
Rapid Key Dialing	Load document → → Press Rapid key
Speed Dialing	Load document → → SPEED DIAL → Enter Speed Dial number (press numeric keys, -if less than 3 digits, press START to complete entry) →
Redialing	Load document → → REDIAL → Wait for reception tone →

MEMO

CHAPTER 2. ADJUSTMENTS

[1] Adjustments

General

Since the following adjustments and settings are provided for this model, make adjustments and/or setup as necessary.

1. Adjustments

Adjustments of output voltage (FACTORY ONLY)

1. Install the power supply unit in the machine.
2. Set the recording paper and document.
3. When the document is loaded, power is supplied to the output lines. Confirm that outputs are within the limits below.

Output voltage settings

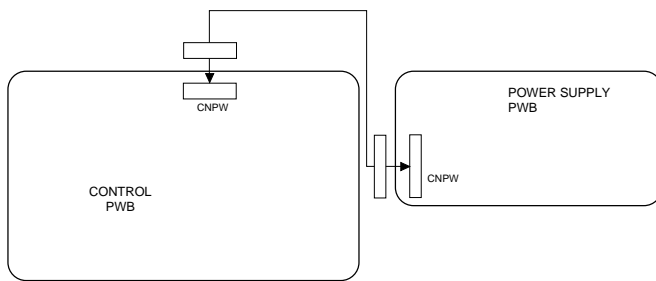


Fig. 1

Output	Voltage limits	Connector No.	CNPW
+5V	4.75V~5.25V	1	VM
+12V	11.5V~12.5V	2	VM
VM (+24V)	23.04V~24.96V	3	VM
		4	MG
		5	MG
		6	MG
		7	+5V
		8	+5V
		9	DG
		10	DG
		11	+12V
		12	AG

2. IC protectors replacement

ICPs (IC Protectors) are installed to protect the TX motor drive circuit and verification stamp drive circuit. ICPs protect various ICs and electronic circuits from an overcurrent condition.

The location of ICPs are shown below:

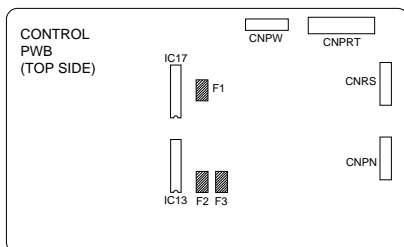


Fig. 2

- (1) F3 (CCP2E20) is installed in order to protect IC's from and overcurrent generated in the verification stamp drive circuit. If F3 is open, replace it with a new one.
- (2) F1, F2 (CCP2E30) is installed in order to protect IC's from an overcurrent generated in the TX motor drive circuit. If F1, F2 is open, replace it with a new one.

In addition to the replacement of F1, F2 and F3, the factor causing F1, F2 and F3 to open must also be repaired. If not, F1, F2 and F3 will open again.

Replacement parts

CCP2E20 (Sharp code: VHVCCP2E20/-1)

CCP2E30 (Sharp code: VHVCCP2E30/-1)

3. Volume adjustment

You can adjust the volume of the speaker, handset, and ringer using the **UP** and **DOWN** keys on the operation panel (flip up the Rapid Key overlay to access the keys).

Speaker

The speaker has 3 volume levels: HIGH, MIDDLE, and LOW. To adjust the volume of the speaker, press the **SPEAKER** key and then press the **UP** or **DOWN** key until the desired level appears in the display. Press the **SPEAKER** key again to turn the speaker off.

Handset

The handset receiver has 3 volume levels: HIGH, MIDDLE, and LOW. To adjust the volume of the handset receiver, lift the handset and then press the **UP** or **DOWN** key until the desired level appears in the display.

Ringer

The ringer has 4 volume levels: HIGH, MIDDLE, LOW, and OFF. To adjust the volume of the ringer, press the **UP** or **DOWN** key until the desired level appears in the display (make sure the **SPEAKER** has not been pressed and the handset is not lifted). The fax will ring at the new volume level each time you change the level. If you select OFF, press the **START** key to confirm your selection.

4. Settings

(1) Dial mode selector

OPTION SETTING: DIAL MODE (Soft Switch No. SW2 DATA No. 1)

Use this to set the fax machine to the type of telephone line you are on.

- The factory setting is "TONE".

(step 1) Select "OPTION SETTING".

KEY: **FUNCTION** (4)

DISPLAY: **OPTION SETTING** ↔ **ENTER #01 - 33, *, #**

(step 2) Select "DIAL MODE".

KEY: (2) (3)

DISPLAY: **DIAL MODE** ↔ **1=TONE, 2=PULSE**

Cursor
When initially registering,
the mode shows 1=TONE.
When registering again,
the mode which was registered
formerly is shown.

(step 3) Select, using "1" or "2".

KEY: (1)

DISPLAY: **TONE SELECTED**

KEY: (2)

DISPLAY: **PULSE SELECTED**

(step 4) End, using the "STOP" key.

KEY: **STOP**

[2] Diagnostics and service soft switch

1. Operating procedure

Two kinds of diagnoses are supported.

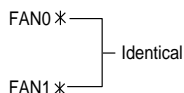
1-1. Fax diagnosis

This diagnosis is concerned with the main body of fax which is used for production and service support.

Entering the diagnostic mode

Press **FUNC** → **9** → ***** → **8** → **#** → **7**, and the following display will appear.

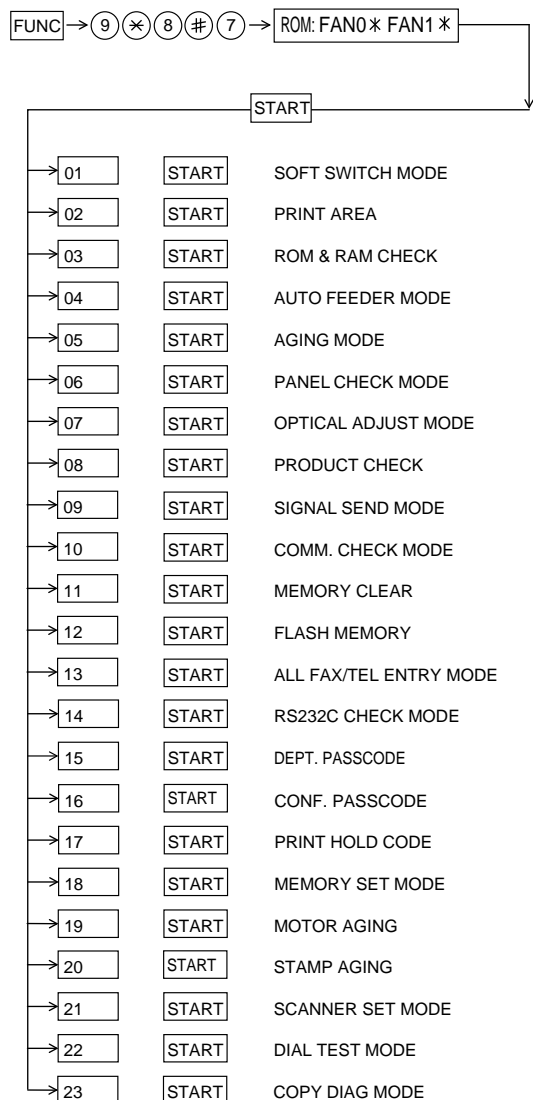
ROM: XXXXX XXXXX



Then press the **START** key. Select the desired item with the ***** key and the **#** key or select with the rapid key.

Enter the mode with the **START** key.

(Diag. specifications)



1-2. Print diagnosis

This diagnosis is concerned with the print which is used for production and service support.

Entering the diagnostic mode

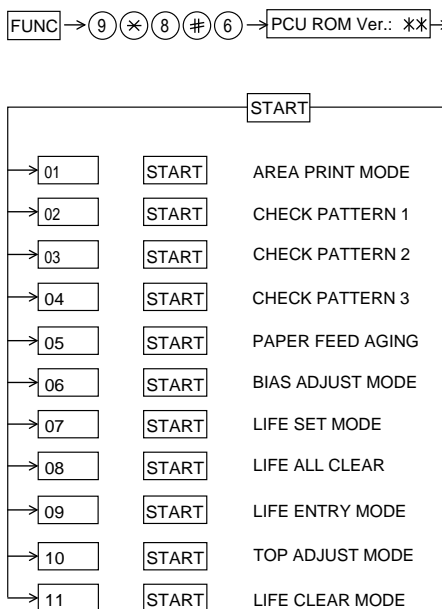
Press **FUNC** → **9** → ***** → **8** → **#** → **6**, and the following display will appear.

PCU ROM Ver.: **

Then press the **START** key. Select the desired item with ***** the key and the **#** key or select with the rapid key.

Enter the mode with the **START** key.

(Diag. specifications)



3) Memory clear when power is turned on

Pressing the **START** and **STOP** keys, turn on the main power, and the following message will be displayed.

MEMORY CLEAR
EXECUTE ? 1 = YES , 2 = NO

Here, when 1: YES is selected, the memory will be cleared to be ready for operation.

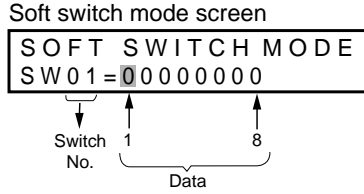
If 2: NO is selected, it will continue ready for operation as it is.

2. Diagnostic items description

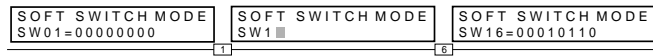
2-1. Fax diagnosis

1) Soft switch mode

In this mode, the soft switch are set and the soft switch list is printed.
Soft switch mode screen



- ① Switch number selection
 - Press START key for setting of the next soft switch. If the soft switch number is the final, pressing START key will exit the soft switch mode.
 - Enter two digits of a soft switch number to set the switch number. If a switch number of unexisting soft switch is entered, key error buzzer sounds to reject the input.



- ② Data number selection
The cursor position shows the data to be set.
Pressing # key moves the cursor to the right. If, however, the cursor is on data number 8, pressing # key shifts the cursor to data number 1 of the next switch number. If the switch number is the final, pressing # key will exit the soft switch mode.
Pressing × key moves the cursor to the left. If, however, the cursor is on data number 1, pressing × key shifts the cursor to data number 1 of the former switch number. If the switch number is 1, pressing × key will not move the cursor.
- ③ Data setting method
Press the FUNCTION key, and the data at the position of the cursor will be reversed to 0 when it is 1, or to 1 when it is 0. (If the soft switch can be changed at the bit (Refer to ⑥.), the error buzzer will sound with the process not received.)
- ④ Outputting method of soft switch list
In the soft switch mode, press the REPORT key, and the soft switch list will be output.
If the recording paper runs out or is clogged, the key error buzzer will sound with the process not received.
- ⑤ Storage of data
In the following case, the data of the soft switches set will be stored.
 - It is shifted to set the next soft switch by pressing the START switch.
 - It is shifted to set the next soft switch with the [#] key.
 - It is shifted to set the last soft switch with the [×] key.
 - It is shifted to set another soft switch by inputting two digits as the switch number. (When 2 digits are completely input.)
 - Output of the soft switch list is started.

- ⑥ Inhibition of data change
(This is also applicable for the optional setting.)
In the following case, it is inhibited to change the data with the key error buzzer.
 - When the print hold bus code is not registered, the print hold function is turned from OFF to ON.
 - When the print hold function is on, the print hold bus code is cleared.
 - When the memory is used because of substitutive receiving, etc, the print hold function is mutually turned on/off.
 - OFF to ON of telephone billing function which is using the image memory is used (Note: In the existing set, the telephone billing code function is specified from OFF to ON when the timer system communication (including the batch communication) is set.)
Here, the memory is usable when the telephone billing code function is on. It can be set from ON to OFF while the memory is used. However, if setting is practically changed even once, it can not be returned from OFF to ON.
 - OFF to ON of multi TTI function and telephone billing code function when the department control function is OFF.

- OFF to ON of department control function during use of image memory.
(Note: In the existing set, the department control function is set from OFF to ON when the timer communication (including the batch sending) or the memory hold is set.)
 - ON to OFF of continuous serial polling function when the continuous serial polling is started.
(Note: In the existing set, "ON to OFF of the continuous serial polling function when the continuous serial polling is registered" has been applied, but the conditions are now moderated. However, registration is impossible to the program of the new continuous serial polling when the continuous serial polling function is OFF.)
- ⑦ Linked change of data (This is the same even in the optional setting.)
- When the department control function is off, the multi TTI function and telephone billing code function are turned off.

2) Print area

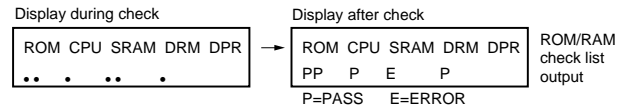
According to the size of the specified sheet, the effective printing area is printed.

3) ROM & RAM check

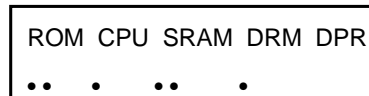
The sum value of ROM, the work and the back-up RAM are checked. The RS-232C interface is also checked. If any error occurs, the buzzer will inform it. (Refer to the following table). Finally, the result will be printed.
This diagnosis does not check the flash memory. The flash memory is checked with the flash memory test.

Number of buzzer sounds	Device checked	Remarks
1 time <Short sound>	ROM1	Main
2 times <Short sounds>	ROM2	Main
3 times <Short sounds>	Integrated ROM/RAM	Main
4 times <Short sounds>	D-RAM	Main
5 times <Short sounds>	S-RAM	Main
*6 times <Short sounds>	S-RAM (on the optional memory)	Main
1 time <Long sound>	ROM	Sub 1
2 times <Long sounds>	Integrated ROM/RAM	Sub 1
3 times <Long sounds>	D-RAM	Sub 1
4 times <Long sounds>	Dual port RAM1	Sub 1
5 times <Long sounds>	ROM	Sub 2
6 times <Long sounds>	Integrated ROM/RAM	Sub 2
7 times <Long sounds>	D-RAM	Sub 2
8 times <Long sounds>	Dual port RAM2	Sub 2

* As practical, it is judged that the optional memory is not installed if any error occurs. Therefore, it does sometimes not sound.
For the short and long sounds, one pattern is as follows.
Main system: 0.25 seconds ON/0.25 seconds OFF
Sub system: 1.00 second ON/0.25 seconds OFF
The execution state of checking is as follows. Moreover, the list of the check result is output after checking is ended.



<Relationship between display and memory>



- DRAM (4Mbit)
- SRAM (512Kbit x 2)
- ROM (4Mbit x 2)
- When the option is installed, two SRAMs are added every option.
(The type without the optional unit is shown.)

The check result of RS-232C interface board is listed and printed together with the check result of ROM&RAM.

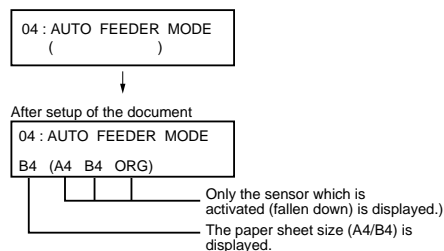
4) Auto feeder mode

The auto feed function can be checked by inserting and discharging the document.

Check of auto feed function

After this mode is activated, set up the document, and press the [START] key, and it will be automatically fed. (Before the START key is pressed, the document sensor alone is activated.)

Moreover, the document size (A4/B4) and sensor information (A4/B4/ORG) are displayed when the document sensor is turned.



5) Aging mode

If any document is set up in the first state (when started), copying will be executed. If it is not set up, "check pattern 1" of the print diagnosis is output at the intervals of 1 time/60 minutes. (A total of 10 sheets are output.)

6) Panel check mode

This is used to check whether each key is normally operated or not. According to the key input, LCD is displayed. Moreover, during execution, the document reading lamp is turned on.

① When [PANEL CHECK MODE] is displayed, press the [START] key.

The test will be started. When the test is started, LEDs will sequentially come on (the lighting sequence and speed are separately specified). It can be checked whether all LEDs are all lit or not.

② Press any other key except [STOP] key.

At this time, the name of each key will be displayed every push of the key.

③ Finally press the [STOP] key.

If all keys can be input, the key input "ALL KEY OK!!" will be displayed when the STOP key is ended.

The screen will be all displayed in black, and the test result will be printed.

In this test, it is okayed if all the other keys except [STOP] key have been pressed from start of the test to its end (the [STOP] key is pressed). If any key is skipped, it will be regarded as "KEY ERROR!!", and the name of the key not pressed will be printed on the list as the result. This will complete printing.

Some two keys may be interchanged in the hardware. In this case, it is necessary to check the display when pressing the key.

7) Optical adjust mode

The document reading lamp is turned on.

8) Product check

The diagnosis is used in the production process.

After shift to the mode, the following operations are sequentially executed. At this time, the sensor of read-error can be checked by feeding the B3 document. Set up one short document of B4 size.

① Memory clear (Same as Diagnosis 11)

② Panel test (Same as Diagnosis 06)

③ Document feed

④ ROM & RAM test, RS-232C interface board check (Same as the diagnosis 03)

⑤ Flash memory test mode (Same as Diagnosis 12)

⑥ Registration of fixed data

Registration of rapid key No. and other data necessary for production.

The registered data are shown in the following table. The chain dial is not set for any destination.

Rapid No.	FAX No.	Rapid No.	FAX No.	Rapid No.	FAX No.	Rapid No.	FAX No.
01	20	06	25	11	1	21	01
02	21	07	26	12	2	22	02
03	22	08	27	13	3	23	03
04	23	09	28	14	4	24	04
05	24	10	29	15	5	25	05

⑦ Transmission check (Same as Diagnosis 10)

The soft switches necessary for production are set.

⑧ Test result print (two sheets)

- AUTO FEEDER CHECK LIST
- FLASH MEMORY CHECK LIST

Memory clear printing

Panel test result printing

ROM&RAM test result printing

Check result printing of RS-232C interface board

⑨ Print area printing (one sheet)

9) Signal send mode

After shift to the mode, press the START key, and the signals will be transmitted in the following sequence.

It can be used to check the modem and so on.

[1] No signals

[2] 4800BPS (V27ter)

[3] 33600BPS (V. 34)

[4] 31200BPS (V. 34)

[5] 28800BPS (V. 34)

[6] 26400BPS (V. 34)

[7] 24000BPS (V. 34)

[8] 21600BPS (V. 34)

[9] 19200BPS (V. 34)

[10] 16800BPS (V. 34)

[11] 14400BPS (V. 34)

[12] 12000BPS (V. 34)

[13] 9600BPS (V. 34)

[14] 7200BPS (V. 34)

[15] 4800BPS (V. 34)

[16] 2400BPS (V. 34)

[17] 14400BPS (V. 33)

[18] 12000BPS (V. 33)

[19] 14400BPS (V. 17)

[20] 12000BPS (V. 17)

[21] 9600BPS (V. 17)

[22] 7200BPS (V. 17)

[23] 9600BPS (V. 29)

[24] 7200BPS (V. 29)

[25] 4800BPS (V27ter)

[26] 2400BPS (V27ter)

[27] 300BPS (FLAG)

[28] 2100Hz (CED)

[29] 1100Hz (CNG)

This content is executed on the 28,800 bps machine alone.

Note: Since 28,800 bps is not specified, the contents of the items may be changed.

10) Comm. check mode

- ① Turn on the line monitor.
- ② Set 0 km at the line equivalence.
- ③ Bring the copy mode into the continuity mode.
- ④ It is set to shift into the diagnosis mode when the SPEED key alone is pressed.

After the check, it is necessary to be sure to return the aforementioned soft switches into the initial state.
(Clear the memory with the diagnosis.)

11) Memory clear

Clear the back-up memory to initialize the soft switches.
The flash memory will be initialized. Then, the initialized list be output.

12) Flash memory

The flash memory is checked.
The ordinary memories (ROM, SRAM, DRAM) are checked in the ROM&RAM check process. The write/read test is taken every block to print the result.

When an error occurs, the following error buzzer will sound.

Number of buzzer sounds	Check device
7 times <Short sounds>	Page memory
8 times <Short sounds>	Flash memory
9 times <Short sounds>	Flash memory (optional)

During operation of this diagnosis, dual operation is not possible at all.

If this is excessively repeated, it will shorten the life of the flash memory.

13) All FAX/TEL. entry mode

Before entry into the diagnosis, the reference destination number is first written into the Rapid key number 01 in the FAX number registration mode.

- ① The diagnosis mode is activated. If any number is not registered in the Rapid key number 01 or any program or group is registered, the diagnosis will be passed without any execution.
- ② The FAX/TEL number (including the substitutive one) of the Rapid key number 01 is copied into the Rapid key numbers 02 thru 48.
- ③ The FAX number of the Rapid key number 01 is copied into the speed key numbers 001 thru 150.
- ④ If any chain dial is not set in the Rapid key number 01, the Rapid key numbers 02 thru 48 and speed key numbers 001 thru 150 are registered in the group number.
If any chain dial is set, any group will not be produced but the chain dial setting alone of the Rapid dial will be canceled.
(In all other Rapid key numbers except 01, the chain dial is kept as it is set.)

(16th and subsequential letters of the destination name registered in the Rapid No. 01 will be discarded.)

14) RS-232C check mode

RS-232C interface board is checked.
When the interface board is installed, the result will be printed after the check.

15) Dept. passcode

The department passcode list is printed.

16) Conf. passcode

The confidential passcode list is printed.
Differing from printing of one box alone soon after registration, the confidential passcodes of all boxes are printed.

17) Print hold code

The print lockout passcode No. is printed.

18) Memory set mode

The set and dump list of the memory content is output.

- The address (8 digits (P) generally including the bank information is input, and the data of 2 digits is continuously input. Inputting is done in the hexadecimal mode. The ten-key is used for 0 thru 9, and the alphabetic keys A (RAPID01 thru 06) are used for A thru F.
- During data inputting, the address can be moved forward and backward one byte by one byte with "×" and "#". (The address prior to the address 0 is looped as the maximum address.)
- The Validity of the address is not checked. Accordingly, writing/reading operations are possible in the address of the memory not assigned, the address of ROM and so on. (However, as practical, writing is not done, and the data content runs short each reading.)
Though writing is possible in the flash memory, a little time is required.
It is also necessary to take care that the life of the flash memory is excessively shortened if much data is written in the flash memory. Since it may run away depending the written content, take minute care for the writing address.
- When the REPORT key is input, the memory dump list is produced from the displayed address (here, it is limited at the 16-byte boundary address (address with end 0) which does not exceed the specified address and is just in front.). The dump list is output to a maximum of 99 pages. If any data of one page can be repeatedly developed and printed, the list is sufficient. But it is not desired that the content of plural pages are developed in the memory once and are then printed. If the STOP key is pressed, it will pass to the diagnosis after the page which is now being printed is completed printed.
If the address exceeds the maximum address, it will return to the address 0 and printing will be continued.

19) Motor aging

- Whether a document is present or not, the motor in the sending system is kept in rotation until the STOP key is pressed.
- The image quality selection key can be input during stop alone to set the rotation speed for the image quality.
(Here, the speed for FINE is selected when the intermediate tone is specified.)
- The image quality for default at the start of execution is STD regardless of the image quality selection priority of the main body.
- For rotation, the ten key "1" selects the 1-2 phase excitation, "2" selects the 2-phase excitation and "3" selects the micro step. It can not be changed during rotation. The 1-2 phase excitation is set as default.

20) Stamp aging

- It is impossible if any document is not set up.
- The document is fed at the 10 mm intervals, and is continuously stamped.
- The total number of stamps from entry of the mode is displayed on the screen.
- The ordinary operation aging which stamps a finish every document is executed in the ordinary copying mode.

21) Scanner set mode

- The reading width and motor drive conditions are set.

<Reading width>

- | |
|---|
| 1. Top margin
2. Bottom margin
3. Left adjustment (The left position alone is specified.) |
|---|

Specify the above values.

- Select the above items 1, 2 and 3 with the [×] and [#] keys, and set the values with the [←] and [→] keys. The values can be set in the range of +3.0 mm to -3.0 mm at the 0.1 mm intervals. While the [←]/[→] key is continuously pressed one second or more, the setting value is automatically increased/decreased (in the range between the upper and lower limits).
- Input the quality selection key, and the value will be respectively set corresponding to the selected image quality. Here, the intermediate tone is the same as for the setting value of FINE.
- ±0.0 mm is default for all.

<Drive conditions of motor>

- | |
|--|
| 4. Motor
5. Phase
6. Slow-up
7. Slow-down |
|--|

Specify the above values.

- Select the above items d thru g with the [×] and [#] keys, and select the setting value with the ten-key.

Setting values

- | |
|---|
| 4. 6 steps
5. Selection of one mode from 1-2 phase, 2-phase and micro step
6. 3 steps
7. 3 steps |
|---|

- Input the quality selection key, and the value will be respectively set corresponding to the selected image quality. Here, the intermediate tone is the same as for the setting value of FINE.
 1. TOP
 2. BOTTOM
 3. LEFT
 4. MOTOR
 5. PHASE
 6. SLOW UP
 7. SLOW DOWN

22) Dial test mode

The mode is used to inspect whether dialing is accurate in two kinds of dial modes or not. All data which can be dialed in this mode are automatically called up in both PB mode and DP mode.

When this mode is activated, the following operations will be automatically executed to their ends. Whether the dialed content is right or not is judged with the external instrument which is connected to the line cable.

- ① After shift to the FAX diagnosis mode, press RAPID 22.
(Also switch the display with the [×] and [#] keys.)
- ② Press the START key.
- ③ Turn on CML, and dial the following in the PB mode.
1, 2, 3, 4, 5, 6, 7, 8, 0, ×, 0, #
- ④ Turn off CML 500 mS alone.
- ⑤ Dial the following in the DP mode.
1, 5, 9, 0
- ⑥ After dialing, turn off CML.

This mode uses the ordinary auto dial. (Accordingly, the signal sending time and minimum pause are all the same as ordinary. The measurement result in this mode is completely all the same as in the ordinary dial mode.

Moreover, the same process as above is also done in the dial test mode which is executed in the product check mode.

23) Copy diag mode

In order to shorten the process time during production, this mode is used to automatically switch the copy mode. Three menus are provided.

1. ① Set up two documents. (In case of two documents or more, there is no problem.)
- ② Press the START key.
- ③ Copy 1st document in the fine mode/density AUTO. (One sheet is printed in the ordinary copy mode.)
- ④ Copy 2nd (subsequential) document in the intermediate tone mode/density DARK. (In the ordinary copying mode, one sheet is printed when the RESOLUTION key is pressed three times.)

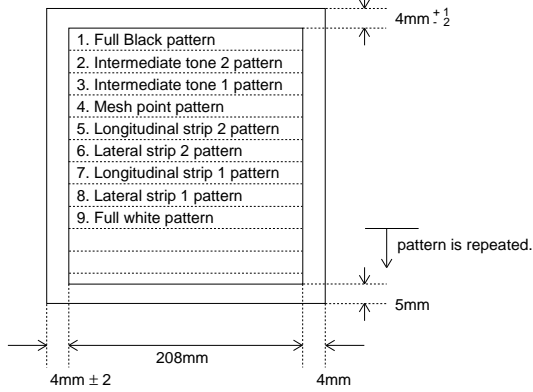
When copy test is tried during production or is checked in two modes (fine and intermediate tones), this mode is provided to reduce the troublesome work which makes the operator stand aside to change the mode. Accordingly, the fine and intermediate tones are merely switched, and the mode is not switched to another mode. (Input of the image quality/density key is invalid.)

2. Try the copy in the mode fixed at COPY REDUCE 95% and fine mode/density AUTO. At this time, don't change the soft key of COPY REDUCE. (Input of the image quality/density key is invalid.)
3. Continuously try the above items 1 and 2.

2-2. Print diagnosis

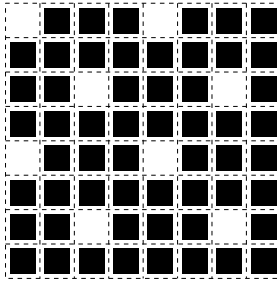
Rapid key 01: Area print mode

The effective printing area frame is printed in the specified sheet size.



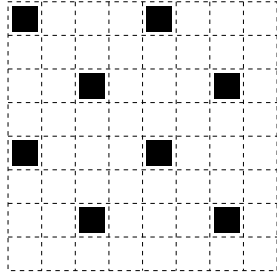
1. [Full black pattern]

2. [Intermediate tone 2 pattern]



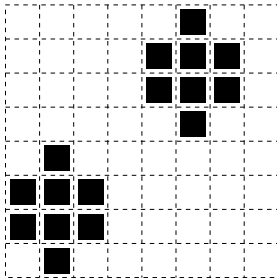
The left pattern is repeated.

3. [Intermediate tone 1 pattern]



The left pattern is repeated.

4. [Mesh point pattern]



The left pattern is repeated.

5. [Longitudinal strip 2 pattern]

Black 2 dot and white 2 dot are repeated in line.

6. [Lateral strip 2 pattern]

Black 2 line and white 2 line are repeated.

7. [Longitudinal strip 1 pattern]

Black 1 dot and white 1 dot are repeated in line.

8. [Lateral strip 1 pattern]

Black 1 line and white 1 line are repeated.

9. [Full White pattern]

Rapid key 02: Check pattern 1

The lateral stripe 2 pattern is printed on one sheet. (Black 2 line and white 2 line are repeated.)

Rapid key 03: Check pattern 2

The lateral stripe 2 pattern is printed on multiple pages. Press the [STOP] key to end the printing.

Rapid key 04: Check pattern 3

The intermediate tone 1 is printed on one sheet.

Rapid key 05: Paper feed aging

The mode is used for aging related to the printing. In this mode, the following modes are provided.

- ① Blank paper aging mode (ALL WHITE AGING)
- ② Whole black print aging mode (ALL BLACK AGING)
- ③ 5% printing aging mode (5% AGING)
- ④ 4% printing aging mode (4% AGING)

After selecting the paper-pass aging mode in the print diagnosis mode, input the number of each mode above with the ten-key, and the mode will be executed. The detailed specifications of each mode are described as follows. Here, the operation in each mode is stopped only when the STOP key is pressed by the operator or a printing-impossible error occurs.

- Blank paper aging mode

In the mode, printing is continued in the whole white (white paper) printing pattern until the STOP key is pressed by the operator. (In the printing area)

- Whole black printing aging mode

In the mode, printing is continued in the whole black (whole black) printing pattern until the STOP key is pressed by the operator. (In the printing area)

Rapid key 6: Bias adjust mode

The mode is used to adjust the printing density of the printed image. The image printing density is adjustable in six steps of 1 to 6.

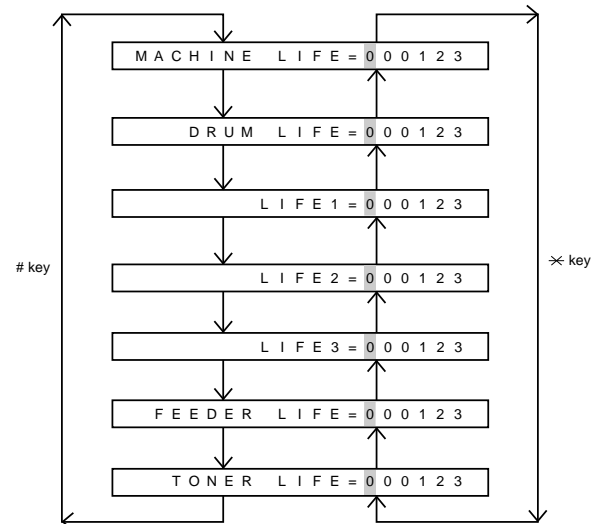
For details, refer to the following table. (For selection, use the keys 1 thru 6.)

Image printing density	Thin	←	→	Thick		
	1	2	3	4	5	6
Default value				0		

Rapid key 7: Life set mode

The mode is used to set the life counter of the printer and the counter of the auto feeder at desired values. For setting, proceed with the following procedure.

- ① When the life counter setting mode is selected, the following will be displayed.



The cursor blinks at the top data.

Seven counters can be selected with the "#" and "x" keys.

- ② In the state ①, input a desired setting number of 6 digits with the ten-key.
- ③ After input of 6 digits, shift to another counter with the "#" and "×" keys as necessary. When all necessary counters are completely input, press the START key.
- ④ "STORED" will be displayed with the set values stored into the memory. For checking, retry this mode.

Note:

The counter shows the operational state of the printer (how many sheets have been printed since start of use? and others). The ordinary memory does not reset the counter. For clearing, set 0 in this mode or use the life counter clear mode in Item 3-9. (Accordingly, it is necessary to reset the counter or do the clear process in addition to the ordinary memory clear if the content in the memory on the control PWB is broken because of PWB repair, etc. (In the production stage, it is necessary to execute this in the last process.)

Rapid key 08: Life all clear

The mode is used to clear the life counter of the printer of the counter of the auto feeder.

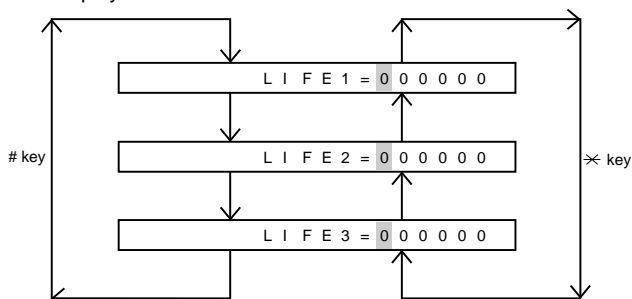
Note: The counter shows the operational state of the printer (e.g. how many sheets have been printed since start of use?). The ordinary memory does not reset the counter. For clearing, set 0 in the mode 8 or execute this mode. (Accordingly, it is necessary to reset this counter in addition to the ordinary memory clear if the content in the memory on the control PWB is broken because of PWB repair, etc. (In the production stage, it is necessary to execute this in the last process.)

Rapid key 09: Life entry mode (For Serviceman temporary counter)

The mode is used to set a desired value for the judgment value (alarm judgment counter value) of the general purpose life counters 1 thru 3 of the printer. If the life of a consumable part (developer, imprinter, etc) is set, the model which has the error display and RMS function will inform RMS when the counter reaches the set value.

For setting, proceed with the following procedure.

- ① When the life counter setting mode is selected, the following will be displayed.



The cursor blinks at the top data.

Three counters can be selected with the "#" and "×" keys.

- ② In the state ①, input a desired setting number of 6 digits with the ten-key.
- ③ After input of 6 digits, shift to another counter with the "#" and "×" keys as necessary. When all necessary counters are completely input, press the START key.
- ④ "STORED" will be displayed with the set values stored into the memory. For checking, retry this mode.

Note: The counter shows the operational state of the printer (how many sheets have been printed since start of use? and others). The ordinary memory does not reset the counter. For clearing, set 0 in this mode or use the life counter clear mode in Item 3-9. (Accordingly, it is necessary to reset the counter or do the clear process in addition to the ordinary memory clear if the content in the memory on the control PWB is broken because of PWB repair, etc. (In the production stage, it is necessary to execute this in the last process.)

Rapid key 10: Top adjust mode

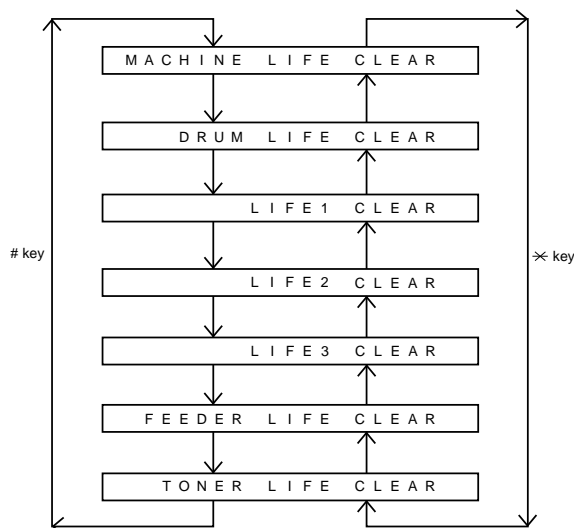
As the method to adjust the top margin for printing, adjust top-margin adjusting VR on the PWB. If this mode is used at this time, adjustment is possible without the printing test every time when VR is turned.

For the practical use, determine the adjusting value on the basis of the old data, and adjust to the determined value in this mode. Then, check it with the printing test.

Rapid key 11: Life clear mode

The mode is used to respectively clear the life counter of the printer and the counter of the auto feeder. For setting, proceed with the following procedure.

- ① When the life counter clearing mode is selected, the following will be displayed.



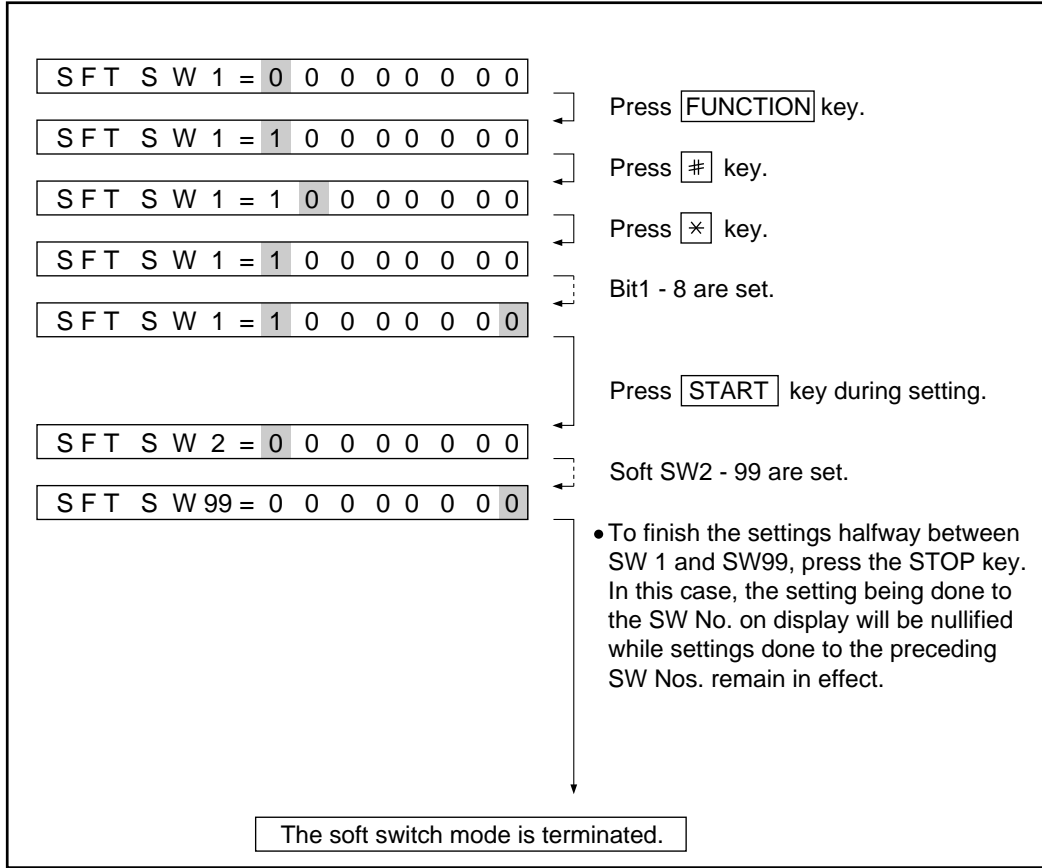
Seven counters can be selected with the "#" and "×" keys.

- ② In the state ①, input the CLEAR key, and the counter will be respectively cleared.
- ③ After one clear, move the cursor to another counter with the "#" and "×" keys as necessary, and then press the CLEAR key. When the necessary counters are completely cleared, press the STOP key.

3. How to make soft switch setting

To enter the softswitch mode, make the following key entries in sequence.

Press **FUNCTION** **9** ***** **8** **#** **7** **START** **01** **START**



4. Soft switch description

• Soft switch

SW NO.	DATA NO.	ITEM	Switch setting and function					Initial setting	Remarks	
			1		0					
SW1	1	Recall interval	Binary input 8 4 2 1					0	OPTION Set to 1~15	
	2		No. = 1 2 3 4 (Data No.)					1		
	3		EX 0 1 0 1					0		
	4		eg. Recall interval is set to 5 min.					1		
	5	Recall attempts	Binary input 8 4 2 1					0	OPTION Set to 1~15	
	6		No. = 5 6 7 8 (Data No.)					0		
	7		EX 0 0 1 0					1		
	8		eg. Recall attempt times is set to 2 times.					0		
SW2	1	Dialing mode	PULSE		TONE			0		
	2	Receive mode	AUTO		MANUAL			1		
	3	ECM mode	Off		On			0	OPTION	
	4	Reserved						0		
	5	Polling security	On		Off			1	OPTION	
	6	Auto cover sheet	No		Yes			1	OPTION	
	7	JUNK-FAX function in manual reception	Yes		No			0		
	8	JUNK-FAX function	Yes		No			0	OPTION	
SW3	1	Number of rings for auto-receive (0: No ring receive)	Binary input 8 4 2 1					0	OPTION Set to 0~15	
	2		No. = 1 2 3 4 (Data No.)					0		
	3		EX 0 0 0 1					0		
	4		eg. Number of rings for auto receive is set to 1.					1		
	5	Switch to auto-receive from manual receive (0: No switch)	Binary input 8 4 2 1					0	OPTION Set to 0~15	
	6		No. = 5 6 7 8 (Data No.)					0		
	7		EX 0 0 0 0					0		
	8		eg. Switch to auto receive is set to disable.					0		
SW4		Communication results printout		Printed at error only	Printed at error/timer/memory only	Printed at transmission mode only	Not printed	Printed every time		OPTION
	1		No. 1	0	0	0	1	1	0	
	2		No. 2	0	0	1	0	1	0	
	3	No. 3	1	0	0	0	0	0	1	
	4	Image addition function to the communication result table (for memory transmission only)	On			Off			1	OPTION
	5	Reserved						0		
	6	TEL billing code function	On		Off			0	OPTION	
	7	Billing code position	Before		After			1	OPTION	
8	Multi-TTI feature	On		Off			0	OPTION		
SW5	1	Time display format	24 hours			12 hours-AM/PM			0	
	2	Date display format	Month-Day-Year			Day-Month-Year			1	
	3	Header print	Off			On			0	
	4	Footer print	On			Off			0	
	5	Relay data output	No			Yes			0	
	6	Substitute reception	Off			On			0	
	7	Substitute reception conditions	Reception disable without TSI			Reception enable without TSI			0	
	8	CSI transmission	Off			On			0	

SW NO.	DATA NO.	ITEM	Switch setting and function								Initial setting	Remarks		
			1				0							
SW6	1	MH fixed	Yes				No (depend on remote machine)				0			
	2	H2 mode	No				Yes				0			
	3	Reserved									0			
	4	Modem speed (DCS data reception speed)			V. 17		V. 29		V. 27ter			Except left table, work to default.		
					14400	12000	9600	7200	9600	7200			4800	2400
			No. 4		0	0	0	0	0	0			0	0
			No. 5		1	1	1	1	0	0			0	0
			No. 6		0	0	0	0	0	0			0	0
6		No. 6		0	0	0	0	0	0	0				
7		No. 7		0	1	0	1	0	1	1	0			
8		No. 8		0	0	1	1	1	1	0	0			
SW7	1	Reception speed fixed			NO	V. 17-14400PS	V. 29-9600BPS	V. 27ter-4800BPS	0	When 14400BPS MODEM used, setting to 14400bps is ignore.				
			No. 1		0	1	0	1						
			No. 2		0	1	1	0						
	3	DIS receive acknowledge in G3 transmission	Twice				Once in NSF reception, twice in DIS reception				0	Effective to international comm.		
	4	Non-modulated carrier in V.29 transmission mode	On				Off				0			
	5	EOL detection timer	25sec				13sec				0			
	6	Reserved									0			
	7	Reserved									0			
8	Max. length for TX/RX/Copy	TX: 432mm, RX: unlimited				TX/Copy: 432mm, RX: 1.5m				0				
SW8	1	Line equalizer			0Km	1.8Km	3.6Km	7.2Km	0	Effective to transmission				
			No. 1		0	0	1	1						
	2		No. 2		0	1	0	1	1					
	3	Reserved									0			
	4	Reserved									0			
5	Signal transmission level	Binary input 8 4 2 1								1				
6		No. = 5 6 7 8 (Data No.)								0				
7		EX 1 0 0 0								0				
8		eg. Signal transmission level is set to -11dBm								0				

SW NO.	DATA NO.	ITEM	Switch setting and function				Initial setting	Remarks		
			1		0					
SW9	1	CED tone signal interval	500ms		75ms		0			
	2	CI signal OFF detect enable time	350ms or more		700ms or more		0			
	3	Equalizer freeze	On		Off		0			
	4	Equalizer freeze conditions	All		7200bps		0			
	5	Reserved					0			
	6	CED detection time	1000ms		2000ms		0			
	7	Reserved					0			
	8	Reserved					0			
SW10	1	Reserved					0			
	2	Reserved					0			
	3	F.A.S.T. (RMS) mode	On		Off		0			
	4	Reserved					0			
	5	Distinctive ringing		OFF	STANDARD	RING1	RING2	RING3	0	
	6		No. 5	0	0	1	0	1		0
	7		No. 6	0	0	0	1	1		0
	8		No. 7	0	0	0	0	0		0
		No. 8	0	1	0	0	0	0		
SW11	1	Memory retransmission times	Binary input 8 4 2 1				1	OPTION		
	2		No. = 1 2 3 4 (Data No.)							
	3		EX 1 0 1 0							
	4		eg. Retransmission time set to 10 times.							
	5	Memory retransmission interval	Binary input 8 4 2 1				0	OPTION		
	6		No. = 5 6 7 8 (Data No.)							
	7		EX 0 1 0 1							
	8		eg. Retransmission interval set to 5 min.							
SW12	1	Reserved					0			
	2	Reserved					0			
	3	Alarm buzzer		3sec	1sec	No BEEP	No BEEP	0		
	4		No. 3	0	0	1	1			
			No. 4	0	1	0	1	0		
	5	Action when RTN received	Handle to no error		Handle to error		0			
	6	Reserved					0			
	7	Reserved					0			
8	Reserved					0				
SW13 SW26	1	Reserved					0			
	2	Reserved					0			
	3	Reserved					0			
	4	Reserved					0			
	5	Reserved					0			
	6	Reserved					0			
	7	Reserved					0			
	8	Reserved					0			

SW NO.	DATA NO.	ITEM	Switch setting and function					Initial setting	Remarks
			1		0				
SW27	1	Reserved						0	
	2	Reserved						0	
	3	Verification STAMP	Yes		No			0	Invalid if not mounted.
	4	Reserved						0	
	5	Key buzzer volume		Off	HIGH	MIDDLE	LOW	1	
			No. 5	0	0	1	1		
			No. 6	0	1	0	1		
	6							1	
7	Reserved						0		
8	Reserved						0		
SW28	1	Speaker volume		HIGH	HIGH	MIDDLE	LOW	1	
			No. 1	0	0	1	1		
			No. 2	0	1	0	1		
	3	Handset volume		HIGH	HIGH	MIDDLE	LOW	1	
			No. 3	0	0	1	1		
			No. 4	0	1	0	1		
	4	Ringer volume		Off	HIGH	MIDDLE	LOW	1	
			No. 5	0	0	1	1		
No. 6			0	1	0	1			
5							1		
6							1		
7	Reserved						0		
8	Reserved						0		
SW29	1	Reserved						0	
	2	PC I/F mode	On		Off			0	OPTION
	3	Auto receive with PC I/F	PC		FAX			0	OPTION
	4	Reserved						0	
	5	Reserved						0	
	6	Reserved						0	
	7	Reserved						0	
	8	Reserved						0	
SW30	1	Resistration of header	Disabled		Enabled			0	
	2	Reserved						0	
	3	Continuous serial polling	On		Off			0	
	4	Dialing interval in continuous serial polling		0minutes	30minutes	60minutes	120minutes	0	When SW30-3 is ON to be set by OPTION setting
			No. 3	0	0	1	1		
	5		No. 4	0	1	0	1	0	
	6	Reserved						0	
	7	Reserved						0	
8	Quick on-line	Yes		No			1		
SW31	1	Reserved						0	
	2	Reserved						0	
	3	Reserved						0	
	4	Reserved						0	
	5	Reserved						1	
	6	Reserved						0	
	7	Reserved						1	
	8	Reserved						0	

SW NO.	DATA NO.	ITEM	Switch setting and function								Initial setting	Remarks
			1				0					
SW32	1	Print hold	On				Off				0	OPTION
	2	Reserved									0	
	3	Reserved									0	
	4	Changeover of print cassette	On				Off				1	OPTION
	5	Selection of print cassette (when double cassette) (FO-6500)	W cassette	Auto.	TUL	TLU	UTL	ULT	LTU	LUT	0	Indicate of priority T...TRAY U...UPPER L...LOWER
	6		No. 5	0	1	1	0	0	0	0		
	7		No. 6	0	0	0	1	1	0	0		
	8		No. 7	0	0	0	0	0	1	1		
	5	Selection of print cassette (when single cassette) (FO-5500/4500)	Single cassette	Auto.	T→C	C→T	Work in auto mode except in this table.				0	Indicate of priority T...TRAY C...CASSETTE
	6		No. 5	0	1	0						
	7		No. 6	0	0	1						
	8		No. 7	0	0	0						
5	Selection of print cassette (when single cassette) (FO-5500/4500)	No. 8	0	1	1					0		
6		No. 8	0	1	1					0		
7		No. 8	0	1	1					0		
8		No. 8	0	1	1					0		
SW33	1	Heater mode			Always on		Always off		Off timer		0	OPTION
	2		No. 1	0	0	1						
	2		No. 2	0	1	0						
	3	Density adjustment of print bias	Binary input		4 2 1		1: faint 6: deep				1	set to 1~6. set to 0,7 is equal to 4.
	4		No. =	3 4 5	(Data No.)							
	5		EX	1 0 0	eg. Bias is set to level 4.							
	6	Reserved									0	
	7	Reserved									0	
8	Reserved									0		
SW34	1	Start time of heater OFF timer (Upper digit of hour)	Binary input		8 4 2 1		1: faint 6: deep				0	OPTION
	2		No. =	1 2 3 4	(Data No.)							
	3		EX	0 0 0 1								
	4		EX	0 0 0 1								
	5	Start time of heater OFF timer (Lower digit of hour)	Binary input		8 4 2 1		1: faint 6: deep				0	OPTION
	6		No. =	5 6 7 8	(Data No.)							
	7		EX	0 1 0 1								
	8		EX	0 1 0 1	eg. Start time is set to 15: XX							
SW35	1	Start time of heater OFF timer (Upper digit of minute)	Binary input		8 4 2 1		1: faint 6: deep				0	OPTION
	2		No. =	1 2 3 4	(Data No.)							
	3		EX	0 1 0 0								
	4		EX	0 1 0 0								
	5	Start time of heater OFF timer (Lower digit of minute)	Binary input		8 4 2 1		1: faint 6: deep				0	OPTION
	6		No. =	5 6 7 8	(Data No.)							
	7		EX	0 0 0 0								
	8		EX	0 0 0 0	eg. Start time is set to XX: 40							
SW36	1	End time of heater OFF timer (Upper digit of hour)	Binary input		8 4 2 1		1: faint 6: deep				0	OPTION
	2		No. =	1 2 3 4	(Data No.)							
	3		EX	0 0 1 0								
	4		EX	0 0 1 0								
	5	End time of heater OFF timer (Lower digit of hour)	Binary input		8 4 2 1		1: faint 6: deep				0	OPTION
	6		No. =	5 6 7 8	(Data No.)							
	7		EX	0 0 0 1								
	8		EX	0 0 0 1	eg. End time is set to 21: XX							

SW NO.	DATA NO.	ITEM	Switch setting and function		Initial setting	Remarks
			1	0		
SW37	1	End time of heater OFF timer (Upper digit of minute)	Binary input	8 4 2 1	0	OPTION
	2		No. =	1 2 3 4 (Data No.)	0	
	3		EX	0 0 1 1	0	
	4				0	
	5	End time of heater OFF timer (Lower digit of minute)	Binary input	8 4 2 1	0	OPTION
	6		No. =	5 6 7 8 (Data No.)	0	
	7		EX	0 1 0 1	0	
	8			eg. End time is set to XX: 35	0	
SW38	1	Reserved			1	
	2	Reserved			0	
	3	Reserved			0	
	4	Reserved			0	
	5	Reserved			0	
	6	Reserved			0	
	7	Reserved			0	
	8	Reserved			0	
SW39	1	Reserved			0	
	2	Reserved			1	
	3	Reserved			0	
	4	Reserved			0	
	5	Reserved			0	
	6	Reserved			0	
	7	Reserved			0	
	8	Reserved			0	
SW40	1	Reserved			1	
	2	Reserved			0	
	3	Reserved			0	
	4	Reserved			0	
	5	Reserved			0	
	6	Reserved			0	
	7	Reserved			0	
	8	Reserved			0	
SW41	1	Reserved			0	
	2	Reserved			0	
	3	Reserved			1	
	4	Reserved			0	
	5	Reserved			0	
	6	Reserved			1	
	7	Reserved			0	
	8	Reserved			1	

SW NO.	DATA NO.	ITEM	Switch setting and function					Initial setting	Remarks	
			1		0					
SW42	1	Reserved						0		
	2	Reserved						0		
	3	Reserved						1		
	4	Reserved						0		
	5	Reserved						0		
	6	Reserved						1		
	7	Reserved						0		
	8	Reserved						1		
SW43	1	Reserved						1		
	2	Reserved						0		
	3	Reserved						0		
	4	Reserved						0		
	5	Reserved						0		
	6	Reserved						1		
	7	Reserved						0		
	8	Reserved						1		
SW44	1	Automatic printing of activity report	Yes (When memory full)		No (First data is cleared when memory full)			0	OPTION	
	2	Printout of total time and total number of pages on activity report	Off		On			0		
	3	Reserved						0		
	4	Department function	On		Off			0		
	5	Department ID digit	Binary input 8 4 2 1					0	OPTION	
	6		No. = 5 6 7 8 (Data No.)					1	Set is 3~9.	
	7		EX 0 1 0 0					0		
	8		eg. Department ID is set to 4 digits.					0		
SW45	1	Picture quality priority mode	Fine		Standard			0	OPTION	
	2	Cut-off mode (when copy mode)	Continue		Cut-off			0	OPTION	
	3	Scanning ratio in memory input	1 : 1		Reduce			0	Memory scanning	
	4	Reserved						0		
	5	Reserved						0		
	6	Reduce ratio (when copy mode)		AUTO	100%	95%	89%	74%	1	
	7		No. 6	0	1	0	0	1		
	8		No. 7	0	0	1	0	1		
8		No. 8	0	0	0	1	0	0		

SW NO.	DATA NO.	ITEM	Switch setting and function					Initial setting	Remarks
			1		0				
SW46	1	Reserved						0	
	2	Reserved						0	
	3	Density adjustment (when Fine/STD mode)		Normal	Faint	Deep	Deep (when Dark mode)		
			No. 1	0	0	1	1	0	
	4		No. 2	0	1	0	1	0	
	5	Density adjustment (when Half-tone mode)		Normal	Faint	Deep	Deep (when Dark mode)		
			No. 3	0	0	1	1	0	
	6		No. 4	0	1	0	1	0	
7	HTF correction in Half-tone mode	On		Off			1		
8	MTF correction in Half-tone mode	Strong		Weak			0		
SW47	1	Reserved						0	
	2	Reserved						0	
	3	Reserved						0	
	4	Reserved						0	
	5	Reserved						0	
	6	Reserved						0	
	7	Reserved						0	
	8	Reserved						0	
SW48	1	Reserved						0	
	2	Reserved						0	
	3	Reserved						0	
	4	Reserved						0	
	5	Reserved						0	
	6	Reserved						0	
	7	Reserved						0	
	8	Reserved						0	
SW49	1	Reserved						0	
	2	Reserved						0	
	3	Reserved						0	
	4	Reserved						0	
	5	Reserved						0	
	6	Reserved						0	
	7	Reserved						0	
	8	Reserved						0	
SW50	1	Reserved						0	
	2	Reserved						0	
	3	Reserved						0	
	4	Reserved						0	
	5	Reserved						0	
	6	Reserved						0	
	7	Reserved						0	
	8	Reserved						0	
SW51	1	Reserved						0	
	2	Reserved						0	
	3	Reserved						0	
	4	Reserved						0	
	5	Reserved						0	
	6	Reserved						0	
	7	Reserved						0	
	8	Reserved						0	

SW NO.	DATA NO.	ITEM	Switch setting and function					Initial setting	Remarks	
			1		0					
SW52	1	Reserved						0		
	2	Reserved						0		
	3	Reserved						0		
	4	Reserved						0		
	5	Reserved						0		
	6	Reserved						0		
	7	Reserved						0		
	8	Reserved						0		
SW53	1	Reserved						0		
	2	Reserved						0		
	3	Reserved						0		
	4	Reserved						0		
	5	Reserved						0		
	6	Reserved						0		
	7	Reserved						0		
	8	Reserved						0		
SW54	1	Reserved						0		
	2	Reserved						0		
	3	Reserved						0		
	4	Reserved						0		
	5	Reserved						0		
	6	Reserved						0		
	7	Reserved						0		
	8	Reserved						0		
SW55	1	Reserved						0		
	2	Reserved						0		
	3	Reserved						0		
	4	Reserved						0		
	5	Reserved						0		
	6	Reserved						0		
	7	Reserved						0		
	8	Reserved						0		
SW56	1	Reserved						1		
	2	Reserved						1		
	3	Reserved						1		
	4	Reserved						1		
	5	Printing when toner empty	Printing			Stop			0	
	6	Reduction of print data	No. 6	0	1	0	0	1	0	
	7		No. 7	0	0	1	0	1	0	
	8		No. 8	0	0	0	1	0	0	
SW57	1	Reserved						0		
	2	Reserved						0		
	3	Reserved						0		
	4	Reserved						0		
	5	Reserved						0		
	6	Reserved						0		
	7	Reserved						0		
	8	Reserved						0		

SW NO.	DATA NO.	ITEM	Switch setting and function		Initial setting	Remarks
			1	0		
SW58	1	Reserved			0	
	2	Reserved			0	
	3	Reserved			0	
	4	Reserved			0	
	5	Reserved			0	
	6	Reserved			0	
	7	Reserved			0	
	8	Reserved			0	
SW59	1	Reserved			0	
	2	Reserved			0	
	3	Reserved			0	
	4	Reserved			0	
	5	Reserved			0	
	6	Reserved			0	
	7	Reserved			0	
	8	Reserved			0	
SW60	1	Reserved			0	
	2	Reserved			0	
	3	Reserved			0	
	4	Reserved			0	
	5	Reserved			0	
	6	Reserved			0	
	7	Reserved			0	
	8	Reserved			0	
SW61	1	Reserved			0	
	2	Reserved			0	
	3	Reserved			0	
	4	Reserved			0	
	5	Reserved			0	
	6	Reserved			0	
	7	Reserved			0	
	8	Reserved			0	
SW62	1	Reserved			0	
	2	Reserved			0	
	3	Reserved			0	
	4	Reserved			0	
	5	Reserved			0	
	6	Reserved			0	
	7	Reserved			0	
	8	Reserved			0	
SW63	1	Reserved			0	
	2	Reserved			0	
	3	Reserved			0	
	4	Reserved			0	
	5	Reserved			0	
	6	Reserved			0	
	7	Reserved			0	
	8	Reserved			0	

SW NO.	DATA NO.	ITEM	Switch setting and function		Initial setting	Remarks
			1	0		
SW64	1	Reserved			0	
	2	Reserved			0	
	3	Reserved			0	
	4	Reserved			0	
	5	Reserved			0	
	6	Reserved			0	
	7	Reserved			0	
	8	Reserved			0	
SW65	1	Reserved			0	
	2	Reserved			0	
	3	Reserved			0	
	4	Reserved			0	
	5	Reserved			0	
	6	Reserved			0	
	7	Reserved			0	
	8	Reserved			0	
SW66	1	Reserved			0	
	2	Reserved			0	
	3	Reserved			0	
	4	Reserved			0	
	5	Reserved			0	
	6	Reserved			0	
	7	Reserved			0	
	8	Reserved			0	
SW67	1	Reserved			0	
	2	Reserved			0	
	3	Reserved			0	
	4	Reserved			0	
	5	Reserved			0	
	6	Reserved			0	
	7	Reserved			0	
	8	Reserved			0	
SW68	1	Reserved			0	
	2	Reserved			0	
	3	Reserved			0	
	4	Reserved			0	
	5	Reserved			0	
	6	Reserved			0	
	7	Reserved			0	
	8	Reserved			0	
SW69	1	Cassette define (LTR/A4): Tray	A4	LTR	0	
	2	Cassette define (LTR/A4): Upper	A4	LTR	0	When W cassette
	3	Cassette define (LTR/A4): Lower	A4	LTR	0	Ignore when W cassette.
	4	Separation of image area in the half-tone	On	Off	1	
	5	Removal of notch in the binary mode	On	Off	1	
	6	Reserved			1	
	7	Reserved			1	
	8	Reserved			0	

SW NO.	DATA NO.	ITEM	Switch setting and function							Initial setting	Remarks				
			1			0									
SW70	1	Reserved								1					
	2	Reserved								1					
	3	Reserved								1					
	4	Reserved								1					
	5	Reserved								0					
	6	Reserved								0					
	7	Reserved								0					
	8	Reserved								0					
SW71	1 2 3 4	Black line detection (When transmission scanning)	Continued black line count when detected							0 0 1 1					
				1	2	3	4	5	6			7	Unused		
			No. 1	0	0	0	0	0	0			0	0	0	
			No. 2	0	0	0	0	1	1			1	1	1	
	5 6 7 8	All white page detection (When transmission scanning)	All white line count ratio against total count of page to judge the white page							0 1 0 1					
				Unused	1.0%	1.5%	2.0%	2.5%	3.0%			3.5%	4.0%		
			No. 5	0	0	0	0	0	0			0	0	0	
			No. 6	0	0	0	0	1	1			1	1	1	
	5 6 7 8	All white line count ratio against total count of page to judge the white page	All white line count ratio against total count of page to judge the white page							0 1 1 1					
				4.5%	5.0%	5.5%	6.0%	7.0%	8.0%			9.0%	10.0%		
			No. 5	1	1	1	1	1	1			1	1	1	
			No. 6	0	0	0	0	1	1			1	1	1	
	SW72	1 2 3 4	Black line detection (When copy scanning)	Continued black line count when detected							0 0 1 1				
					1	2	3	4	5	6			7	Unused	
				No. 1	0	0	0	0	0	0			0	0	0
				No. 2	0	0	0	0	1	1			1	1	1
5 6 7 8		White page detect (When copy scanning)	All white line count ratio against total count of page to judge the white page							0 1 0 1					
				Unused	1.0%	1.5%	2.0%	2.5%	3.0%			3.5%	4.0%		
			No. 5	0	0	0	0	0	0			0	0	0	
			No. 6	0	0	0	0	1	1			1	1	1	
5 6 7 8		All white line count ratio against total count of page to judge the white page	All white line count ratio against total count of page to judge the white page							0 1 1 1					
				4.5%	5.0%	5.5%	6.0%	7.0%	8.0%			9.0%	10.0%		
			No. 5	1	1	1	1	1	1			1	1	1	
			No. 6	0	0	0	0	1	1			1	1	1	
SW73 SW99		1	Reserved								0				
		2	Reserved								0				
		3	Reserved								0				
		4	Reserved								0				
	5	Reserved								0					
	6	Reserved								0					
	7	Reserved								0					
	8	Reserved								0					

• Soft switch function description

SW1 No. 1 ~ No. 4 Recall interval

Choice is made for a recall interval for speed and rapid dial-numbers. Use a binary number to program this. If set to 0 accidentally, 1 will be assumed.

SW1 No. 5 ~ No. 8 Recall attempts

Choice is made as to how many recall attempts should be made. Use a binary number to program this.

SW2 No. 1 Dialing mode

Switch the type according to the telephone circuit connected to the facsimile.

0: PULSE DIAL

1: TONE DIAL

SW2 No. 2 Receive mode

Auto/manual receiving mode is set.

SW2 No. 3 ECM mode

Used to determine ECM mode function. Refer to the following table.

SW2-No.3 ECM MODE		0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1
SW6-No.1 MH FIXED		0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1
Compression method	ECM MMR mode	Yes	No	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No
	ECM MR mode	Yes	No	Yes	No	Yes	No	Yes	No	No	No	No	No	No	No	No	No
	ECM MMH mode	Yes	Yes	No	No	Yes	Yes	No	No	No	No	No	No	No	No	No	No
	ECM MH mode	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	No	No	No	No	No
	MR mode	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
	MH mode	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

(Depending on remote machine)

SW2 No. 4 Reserved

Set to "0".

SW2 No. 5 Polling security

This switch is employed to enable or disable the polling operation using the ID code verification function, in order to prevent unauthorized polling operation.

SW2 No. 6 Auto cover sheet

When "1" (=YES) is selected, the cover sheet is automatically sent after transmission of the original to notify the receiver of the number of original sheets transmitted.

SW2 No. 7 JNNK-FAX function in manual reception

It is set whether JUNK-FAX is functioned in the manual receiving mode or not.

SW2 No. 8 JUNK-FAX function

This function is used to receive data from a specific remote machine (station registered in entry mode). It is the function that refused a reception in the case that TSI of remote machine matched with fax number of the station registered.

0: No

1: Yes

SW3 No. 1 ~ No. 4 Number of rings for auto-receive

(0: No ring receive)

When the machine is set in the auto receive mode, the number of rings before answering can be selected. It may be set from one to nine rings using a binary number. If the soft switch was set to 1, a direct connection is made to the facsimile. If a facsimile. If it was set to 0 accidentally, receive ring is set to 1. If it was above 9, receive rings are set to 9. So, this has to be corrected.

SW3 No. 5 ~ No. 8 Switch to auto-receive from manual receive

(0: No switch)

Choice is made after how many rings in the manual receive mode it should be automatically change to auto answer mode or remain in the manual receive mode. Entering the binary number 0 forces the machine to remain in the manual answer mode. If a number between 1 and 9 is entered, the machine will go into the answer mode after the given number of rings. However, it can be used as an ordinary telephone if the handset is taken off the hook before this programmed number is finished. If entry of a number above 9 by accident, it will be set to 9. In this case, it must be corrected to the proper number.

SW4 No. 1 ~ No. 3 Communication results printout

It is possible to obtain communication results after each transaction. Normally, the switch is set (No. 1: 0, No. 2: 0, No. 3: 1) so that the communication result is produced only a communication error is encountered. If No. 1 was set to 1, No. 2 was set to 1 and No. 3 was set to 0, the communication result will be produced every time a communication is done, even if the communication was successful.

If No. 1 was set to 0, No. 2 to 1 and No. 3 to 0, the communication result will be produced every transmission.

Setting No. 1 to 1 No. 2 to 0 and No. 3 to 0 will disable this function. No transaction report will be printed.

If No. 1 was set to 0, No. 2 to 0 and No. 3 to 0, the communication result is produced only after a timer and memory transmission or when a communication error is encountered.

SW4 No. 4 Image addition function to the communication result table (for memory transmission only)

Used to set addition of sending image to the communication result table.

SW4 No. 5 Reserved

Set to "0".

SW4 No. 6 TEL billing code function

When set to "1", the TEL billing code function is enabled.

SW4 No. 7 Billing code position

When set to "1", the billing code is delivered before dialing the remote number. When set to "0", the billing code is delivered after dialing.

SW4 No. 8 Multi-TTI feature

When this switch is set to "1", Multi TTI function is enabled.

SW5 No. 1 Time display format

When this switch is set to "0", time is displayed in 12-hour system.

When set to "1", 24-hour system.

SW5 No. 2 Date display format

Used to select date display/print formats.

SW5 No. 3 Header print

When it is set at 0, sender's name, sending page number and so on are automatically printed in the recording paper on the receiving side during transmission. Thus, the sender can be known on the receiving side.

0: Applied.

1: Not applied.

SW5 No. 4 Footer print

When set to "1", the date of reception, the sender machine No., and the page No. are automatically recorded at the end of reception.

SW5 No. 5 Relay data output

0: Output ON

1: Output OFF

SW5 No. 6 Substitute reception

Selection of substitute reception in the case of recording paper exhausted or paper jam. If set to "NO", auto receive is disabled even when the receive memory is ready to receive.

Substitute reception is not performed even during receive operation.

SW5 No. 7 Substitute reception condition

Selection of substitute reception according to existence of TEL number from transmitting side. Initial setting allows substitute reception without CSI. If set to "no", the receiver cannot receive any documents.

SW5 No. 8 CSI transmission

CSI signal contains the sender's phone number registered in the machine. If this switch is set to "1", no sender's name will be printed at the receiving side.

SW6 No. 1 MH fixed

Normally set to allow automatic selection of MH and MR mode according to the remote side.

If set to 1, the mode is fixed to MH and is useful if the remote side is a MH only unit; or a lot of image distortion is met due to a bad line.

SW6 No. 2 H2 mode

Used to determine H2 mode (15 sec transmission mode). When set to OFF, H2 mode is inhibited even though the transmitting machine has H2 mode.

SW6 No. 3 Reserved

Set to "0".

SW6 No. 4 ~ No. 8 Modem speed (DCS date reception speed)

Used to determine the initial modem speed. The default is 14400BPS (V17). It may be necessary to program it to a slower speed when frequent line fallback is encountered, in order to save the time required for the fallback procedure.

SW7 No. 1, No. 2 Reception speed fixed

The transferable speed of modem in the receiving mode is set.

SW7 No. 3 DIS receive acknowledge during G3 transmission

Used to make a choice of whether reception of NSF (DIS) is acknowledged after receiving two NSFs (DISs) or receiving one NSF (two DISs).

It may be useful for overseas communication to avoid an echo suppression problem, if set to 1.

SW7 No. 4 Non-modulated carrier in V29 transmission mode

Though transmission of a non-modulated carrier is not required for transmission by the V29 modem according to the CCITT Recommendation, it may be permitted to send a non-modulated carrier before the image signal to avoid an echo suppression problem.

It may be useful for overseas communication to avoid an echo suppression problem, if set to 1.

SW7 No. 5 EOL detection timer

Used to make a choice of whether to use the 25-second or 13-second timer for detection of End of line.

This is effective to override communication failures with some facsimile models that have longer End of line detection.

SW7 No. 6, No. 7 Reserved

Set to "0".

SW7 No. 8 Max. length for TX/RX/Copy

Used to set the maximum page length.

To avoid possible paper jam, the page length is normally limited to 432 mm for copy or transmit, and 1.5 meters for receive.

It is possible to set it to "No limit" to transmit/receive a long document, such as a computer print form, etc. (In this case, the receiver/transmitter must also be set to no limit.)

SW8 No. 1, No. 2 Line equalizer

Needs to be set to the line characteristics. A guide line is the distance between the exchange office and the telephone terminal. Since it needs not to be set in the normal case since it has been set to 1.8Km, it should be corrected in case communication failures occur frequently.

SW8 No. 3, No. 4 Reserved

Set to "0".

SW8 No. 5 ~ No. 8 Signal transmission level

Used to control the signal transmission level in the range of -0dB to -15dB.

SW9 No. 1 CED tone signal interval

For international communication, the 2100Hz CED tone may act as an echo suppresser switch, causing a communication problem. Though this soft switch is normally set to "0", it should be set to "1" so as to change the time between CED tone and DIS signal from 75ms to 500ms to eliminate the communication problem caused by echo.

SW9 No. 2 CI signal OFF detect enable time

Used to set the continuous detection time during OFF period of CI signal. Normally set to 700ms, where the short ring (500ms: OFF period) cannot be detected. Therefore, selection of 350ms is allowed.

SW9 No. 3 Equalization freeze

This switch is used to perform reception operation by fixing the equalizer control of modem for the line which is always in unfavorable state and picture cannot be received. Usually, the control is executed according to the state of line where the equalizer setting is changed always.

SW9 No. 4 Equalization freeze conditions

Setting which specifies SW9 No.3 control only in condition of 7200bps modem speed.

SW9 No. 5 Reserved

Set to "0".

SW9 No. 6 CED detection time.

The detection time of the CED signal from the called side in the auto calling mode is set.

SW9 No. 7, No. 8 Reserved

Set to "0".

SW10 No. 1, No. 2 Reserved

Set to "0".

SW10 No. 3 F.A.S.T (Remote maintenance system) mode

Used to determine remote maintenance system (F.A.ST) function.

SW10 No. 4 Reserved

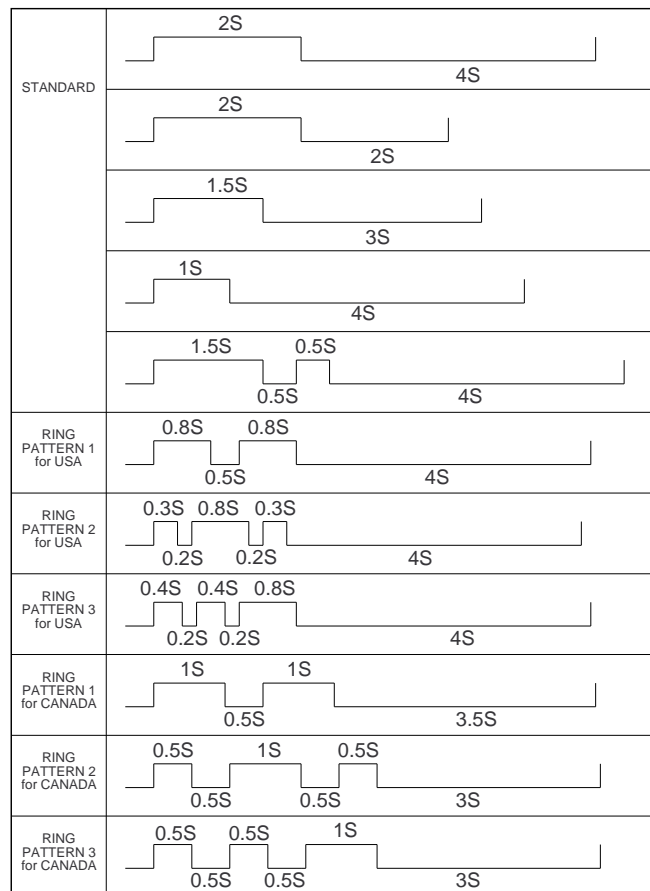
Set to "0".

SW10 No. 5 ~ No. 8 Distinctive ringing

When the ringing setting is turned off, all of the CI signal are received. When any of the standard, and ring patterns 1 through 3 is selected for the ringing setting, only the selected CI signal is received.

CI signal patterns

The CI signal patterns consists of the standard pattern, and ring patterns 1 through 7. The standard pattern is the conventional one.

**SW11 No. 1 ~ No. 4 Memory retransmission times**

The number of memory retransmissions is set.

SW11 No. 5 ~ No. 8 Memory retransmission interval

The interval between memory retransmissions is set.

SW12 No. 1, No. 2 Reserved

Set to "0".

SW12 No. 3, No. 4 Alarm buzzer

The sounding length of the buzzer for normal end of operation is set.

SW12 No. 5 Action when RTN received

The operation is set when the RTN signal is received in the G3 transmission mode.

SW12 No. 6 ~ No. 8 Reserved

Set to "0".

SW13 No. 1 ~ No. 8 - SW26 No. 1 ~ No. 8 Reserved

Set to "0".

SW27 No. 1, No. 2 Reserved

Set to "0".

SW27 No. 3 Verification STAMP

End stamp:

It is set whether the red round mark is stamped at the bottom margin of the document every page in the memory input mode and document sending mode or not.

SW27 No. 4 Reserved

Set to "0".

SW27 No. 5, No. 6 Key buzzer volume

Key buzzer volume:

The sound volume of key inputting buzzer and other buzzers is set.

SW27 No. 7, No. 8 Reserved

Set to "0".

SW28 No. 1, No. 2 Speaker volume

Speaker volume:

The sound volume of the speaker in the on-hook mode is set.

SW28 No. 3, No. 4 Handset volume

Handset volume:

The volume of sound heard from the receiver is set.

SW28 No. 5, No. 6 Ringer volume

Ringer volume:

The calling sound volume of CI signal receiving is set.

SW28 No. 7, No. 8 Reserved

Set to "0".

SW29 No. 1 Reserved

Set to "0".

SW29 No. 2 PC I/F mode

PC I/F mode:

The interface with the personal computer is selected.

SW29 No. 3 Auto receive with PC I/F

Automatic receiving of I/F mode:

Which receives the call is determined.

SW29 No. 4 ~ No. 8 Reserved

Set to "0".

SW30 No. 1 Resistration of header

Used make a choice of whether the registered senders phone number can be changed or not. If the switch is set to "1", new registration of the senders phone number is disabled to prevent accidental incorrect input.

SW30 No. 2 Reserved

Set to "0".

SW30 No. 3 Continuous serial polling

Turns on/off the continuous polling function.

SW30 No. 4, No. 5 Dialing interval in continuous serial polling

Used to set continuous serial polling interval time.

SW30 No. 6, No. 7 Reserved

Set to "0".

SW30 No. 8 Quick on-line

It is selected whether auto dial call is activated in the memory input mode when one document is completely read or when all pages are completely read.

SW31 No.1 ~ No.8 Reserved

Set to "0".

SW32 No. 1 Print hold

When set to "1", the print hold function is enabled.

SW32 No. 2, No. 3 Reserved

Set to "0".

SW32 No. 4 Changeover of Print cassette

When the cassette selection priority is set to the upper priority or the lower priority and paper in the cassette is exhausted, this function is used to set changeover of the cassette of not.

SW32 No. 5 ~ No. 8 Selection of print cassette

Used to set the priority of selection of the recording paper cassettes. (Auto selection/Upper priority/Lower priority)

SW33 No.1 No. 2 Heater mode

Used to set ON/OFF of the heater. Three settings are available: always ON, always OFF, and OFF timer. (Only when Off timer is selected, SW34-SW37 settings are valid.)

SW33 No. 3 ~ No. 5 Density adjustment of print bias

The density of printing is set.

It can be also set in the print diagnosis mode.

Sw33 No. 6 ~ No. 8 Reserved

Set to "0".

SW34 No. 1 ~ No. 4 Start time of heater OFF time (Upper digit of hour)

Used to set the start time of the heater OFF timer. (Enter in 24-hour system.)

SW34 No. 5 ~ No. 8 Start time of heater OFF time (Lower digit of hour)

Used to set the start time of the heater OFF timer. (Enter in 24-hour system.)

SW35 No. 1 ~ NO. 4 Start time of heater OFF time (Upper digit of minute)

Used to set the start time of the heater OFF timer. (Enter in 24-hour system.)

SW35 No. 5 ~ No. 8 Start time of heater OFF time (Lower digit of hour)

Used to set the start time of the heater OFF timer. (Enter in 24-hour system.)

SW36 No. 1 ~ No. 4 End time of heater OFF time (Upper digit of hour)

Used to set the end time of the heater OFF timer. (Enter in 24-hour system.)

SW36 No. 5 ~ No. 8 End time of heater OFF time (Lower digit of hour)

Used to set the end time of the heater OFF timer. (Enter in 24-hour system.)

SW37 No. 1 ~ No. 4 End time of heater OFF time (Upper digit of minute)

Used to set the end time of the heater OFF timer. (Enter in 24-hour system.)

SW37 No. 5 ~ No. 8 End time of heater OFF time (Lower digit of minute)

Used to set the end time of the heater OFF timer. (Enter in 24-hour system.)

SW38 No. 1 ~ No. 8 - SW43 No. 1 ~ No. 8 Reserved

Set to "0".

SW44 No. 1 Automatic printing of activity report

This soft switch is used to select; whether or not to produce the activity report when the memory is full (about 50 items). An activity report can be produced when the following key entry command is made.

"FUNC", "2", "#", "START"

After producing the activity report, all the data in the memory will be cleared.

When the switch function is set to "0" (NO), the data in memory will be deleted from the oldest as it reaches the maximum memory capacity (approx. 50 items).

SW44 No. 2 Printout of total time and total number of pages on activity report

Used to make a choice of whether the total communication time and pages are recorded in the activity report.

SW44 No. 3 Reserved

Set to "0".

SW44 No. 4 Department function

This model has the department audit feature, it has to be set to 1 to utilize this feature.

SW44 No. 5 ~ No. 8 Department ID digit

Used to set the department ID digit number. When set to "D", the number is "4".

SW45 No. 1 Picture qualitypriority mode

Used to set to the transmission mode which is automatically selected when the MODE key is not pressed. In the copy mode, however, the fine mode is automatically selected unless the MODE key is manually set to another mode.

SW45 No. 2 Cut-off mode (when copy mode)

When in copy, if the scanned data is out of the range of recording, the operator has one of the choices below using the switch.

0: Continue: Data is printed onto the next page with the last 20mm also printed at the beginning of the next page.

1: Cut off: Data scanned out of the limit is cut off (a page is printed.)

SW45 No. 3 Scanning ratio in memory input

In the case of memory transmission, etc., only letter size (A4) documents can be stored in the memory. To input B4 documents into the memory, therefore, the B4 documents must be reduced to letter size (A4) or the both ends of the B4 documents will be cut off to input the center letter-size (A4) portion. This switch provides the selection.

0: Reduced to A4 size and inputted.

1: The both ends are cut off and the center portion (A4 size) is inputted.

SW45 No. 4, No. 5 Reserved

Set to "0".

SW45 No. 6~No. 8 Reduce ratio (when copy mode)

Contraction ratio of copying is set. It can be changed even in the optional mode.

SW46 No. 1, No. 2 Reserved

Set to "0".

SW46 No. 3, No. 4 Density adjustment (when Fine/STD mode)

This is used for density adjustment in fine/standard mode. Adjust the density according to that of frequently used original.

Set to "Dark" for darker reading (either in the auto or the dark mode) of light original. Set to "Light" for lighter reading (either in the auto or the dark mode) of dark original.

Set to "Dark only in dark mode" for darker reading only in the dark mode.

SW46 No. 5, No. 6 Density adjustment (when Half-tone mode)

This is used for density adjustment in the half tone. Setting procedures are the same as SW46 No. 3, No. 4.

SW46 No. 7 HTF correction in Half-tone mode

In the half tone mode, image area is separated from character area and processed separately to eliminate unclear character transmission. This switch is used to change the criteria of judgement of separation. When "Strong" (= 1) is selected, more area is judged as character area, providing clearer characters.

On the contrary, however, edges of image area may be emphasized. It is advisable to restrict the use of this function only when clear characters must be transmitted, and to use the function of "Weak" (= 0) for general cases.

SW46 No.8 MTF correction in Half-tone mode

This allows selection of MTF correction (dimness correction) in the half tone mode. When "Strong" (= 1) is selected, the whole image becomes soft and mild, On the contrary, however, clearness of characters will be reduced. Normally set to "Strong" (= 1).

SW47 No. 1 ~ No. 8 - SW55 No. 1 ~ No. 8 Reserved

Set to "0".

SW56 No. 1 ~ No. 4 Reserved

Set to "0".

SW56 No. 5 Printing when toner empty

It is set whether printing is stopped for empty toner or not.

SW56 No. 6 ~ No. 8 Reduction of print data

Contraction ratio of receiving is set. It can be changed even in the optional mode.

SW57 No. 1 ~ No. 8 - SW68 No. 1 ~ No. 8 Reserved

Set to "0".

SW69 No. 1 (Cassette define (LTR/A4): Tray

A4 cassette can be used.

Set 0 or 1 for all of three bits.

Moreover, do not change the setting during printing.

SW69 No. 2 Cassette define (LTR/A4): Upper

A4 cassette can be used.

Set 0 or 1 for all of three bits.

Moreover, do not change the setting during printing.

SW69 No. 3 Cassette define (LTR/A4): Lower

A4 cassette can be used.

Set 0 or 1 for all of three bits.

Moreover, do not change the setting during printing.

SW69 No. 4 Separation of image area in the half-tone

This allows selection of MTF correction (dimness correction) in the half tone mode. When "NO" (= 1) is selected, the whole image becomes soft and mild, On the contrary, however, clearness of characters will be reduced. Normally set to "NO" (= 1).

SW69 No. 5 Removal of notch in the binary mode

The notch signal is removed in the binary mode.

SW69 No. 6 ~ No. 8 Reserved

Set to "0".

SW70 No. 1 ~ No. 8 Reserved

Set to "0".

**SW71 No. 1 ~ No. 4 Black line detection
(When transmission scanning).**

Number of continuous judgements of black lines during duplex scan.

**SW71 No. 5 ~ No. 8 All white page detection
(When transmission scanning)**

Ratio of black and white during duplex scan.

SW72 No. 1 ~ No. 4 Black line detection (When copy scanning)

Number of continuous judgements of black lines during duplex scan.

SW72 No. 5 ~ No. 8 White page detect (When copy scanning)

Ratio of black and white during duplex scan.

SW73 No. 1 ~ No. 8 - SW99 No. 1 ~ No. 8 Reserved

Set to "0".

[3] Troubleshooting

1. Fax troubleshooting

Refer to the following actions to troubleshoot any of problems mentioned in 1-4.

- [1] A communication error evoked.
- [2] Image distortion produced.
- [3] Unable to do overseas communication.
- [4] Communication speed slow liable to fallback.
 - Increase the transmission level SOFT SWITCH 8-5, 6, 7, 8
Can be used in case [1] [2] [3]
 - Decrease the transmission level SOFT SWITCH 8-5, 6, 7, 8
Can be used in case [3]

- Apply line equalization SOFT SWITCH 8-1, 2
Can be used in all cases.
- Slow down the transmission speed SOFT SWITCH 6-4, 5, 6, 7, 8
Can be used in case [2] [3]
- Replace the TEL/LIU PWB.
Can be used in all cases.
- Replace the control PWB.
Can be used in all cases.

* If transmission problems still exist on the machine, use the following format and check the related matters.

TO: _____ ATT: _____ Ref.No. : _____

 CC: _____ ATT: _____ Date : _____

 FM: _____ Dept : _____

 Sign : _____

***** Facsimile communication problem *****		Ref.No.:																					
From: Mr.	Fax Tel No.:	Date:																					
Our customer	Name	Tel No.																					
	Address	Fax No.																					
	Contact person	Model name																					
Other party	Name	Tel No.																					
	Address	Fax No.																					
	Contact person	Model name																					
Problem mode	Line: Domestic/international	Mode: G3																					
	Reception/Transmission	Automatic reception / Manual reception																					
		Automatic dialing / Manual dialing / Others																					
Frequency:	%	ROM version:																					
Confirmation item			Please mark problem with an X No problem is: 0																				
			<table border="1" style="width: 100%; text-align: center;"> <tr> <th>A1</th><th>A2</th><th>B1</th><th>B2</th><th>C1</th><th>C2</th><th>D1</th><th>D2</th><th>E1</th><th>E2</th> </tr> <tr> <td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td> </tr> </table>	A1	A2	B1	B2	C1	C2	D1	D2	E1	E2										
			A1	A2	B1	B2	C1	C2	D1	D2	E1	E2											
Transmission level setting is () dB at our customer																							
Transmission level () dBm Reception level () dBm By level meter at B1 and B2																							
Comment																							
Counter-measure																							
***** Please attach the G3 data and activity report on problem. *****																							

2. Printer trouble detection

(1) Paper jam

The printer recognizes if paper remains inside the printer by detecting the status of the Paper Take-Up Sensor (PC1) and the Paper Exit Sensor (PC3). A paper jam is detected by the timing that PC1 and PC3 become activated or deactivated.

When a paper jam is detected, the drive for all elements is stopped except for the Fan Motor (M3), excluding the two following cases.

- During multi printing

When condition 1 listed below is detected and paper remains in the printer, all elements except the Fan Motor (M3) will be stopped after the paper is fed out of the printer.

- During single printing

When condition 1 listed below is detected and paper does not remain in the printer, elements except the Heater Lamp (H1) and Fan Motor (M3) will be stopped.

1. The Paper Take-Up Sensor (PC1) does not activate within 2 sec. after the Paper Take-Up Roller in the printer starts rotating, or within 4 sec. after the Paper Take-Up Roller in the optional 250 Sheet Second Tray starts rotating.
2. The Paper Take-Up Sensor (PC1) activates when the Power ON/OFF Switch (S1) is turned ON, or when the Upper Unit is closed.
3. The Paper Exit Sensor (PC3) activates when the Power ON/OFF Switch (S1) is turned ON, or when the Upper Unit is closed.
4. The Paper Take-Up Sensor (PC1) does not deactivate within 11 sec. after the paper leading edge reaches the Paper Take-Up Sensor (PC1).
5. The Paper Exit Sensor (PC3) does not activate within 3.5 to 4.5 sec. after the paper leading edge reaches the Paper Take-Up Sensor (PC1).
6. The Paper Exit Sensor (PC3) does not deactivate within 3.4 to 4.7 sec. after the paper trailing edge passes the Paper Take-Up Sensor (PC1).

(2) Laser malfunction

All elements except the Exit Fan Motor (M3) are deactivated when the malfunctions described below are detected.

The LDVR1 signal or LDVT2 signal deviates from the specified value while the laser power is adjusted.

LDVR1/LDVR2 : These signals are to adjust the laser drive current.

(3) Polygon motor malfunction

1. The SSCAN signal has not been entered once within 1 sec. after the Polygon Motor is energized.
2. The number of Polygon Motor rotations has not stabilized within \pm by 4.2 sec. after the Motor is energized.
3. The number of Polygon Motor rotations has exceeded $\pm 3\%$ for more than 0.5 sec. after the Motor is energized and the rotation number stabilizes within $\pm 0.5\%$.

(4) Fusing malfunction

1. The temperature detected by the Thermistor has not risen 20°C for 50 msec. within 12 to 30 sec. after the warming up. (This detection applies only when the Thermistor detecting temperature is 90°C or less.)
2. The Thermistor detecting temperature has not reached to 172°C within 60 sec. after warming up.
3. Except in the Pause Mode*, the Thermistor detecting temperature during the idle state has fallen to 80°C or lower for 50 msec., or the temperature during printing has fallen to 133°C or lower.
4. The Thermistor detecting temperature has exceeded 193°C for 50 msec. during temperature control.

*Pause Mode : During this mode, the control temperature is decreased to save power during the idle state, the Heater Lamp being turned OFF.

(5) Exit fan malfunction

The voltage equivalent to the current*1 of the Exit Fan Motor remains 160 mV or lower for 2 sec.

*1: detected by converting the Motor current into voltage.

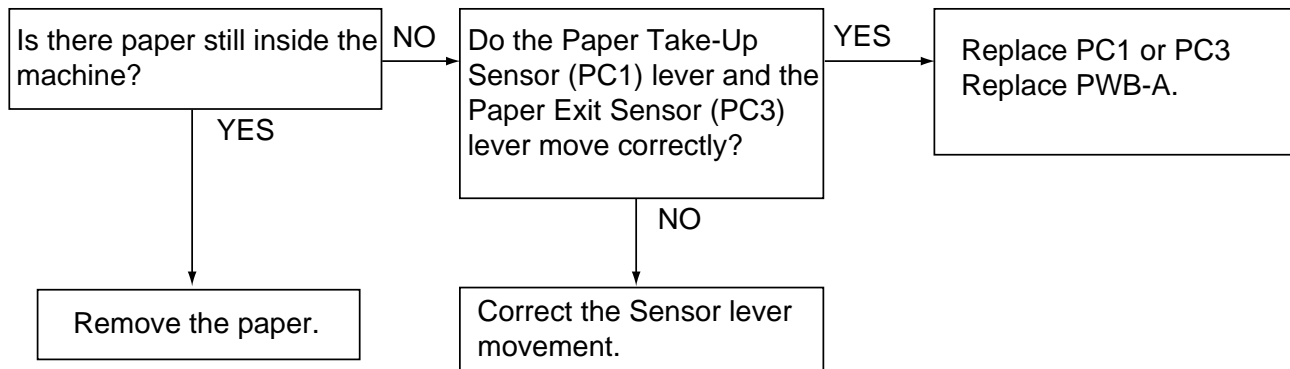
How to Reset these malfunctions

Turn OFF The Power ON/OFF Switch (S1).

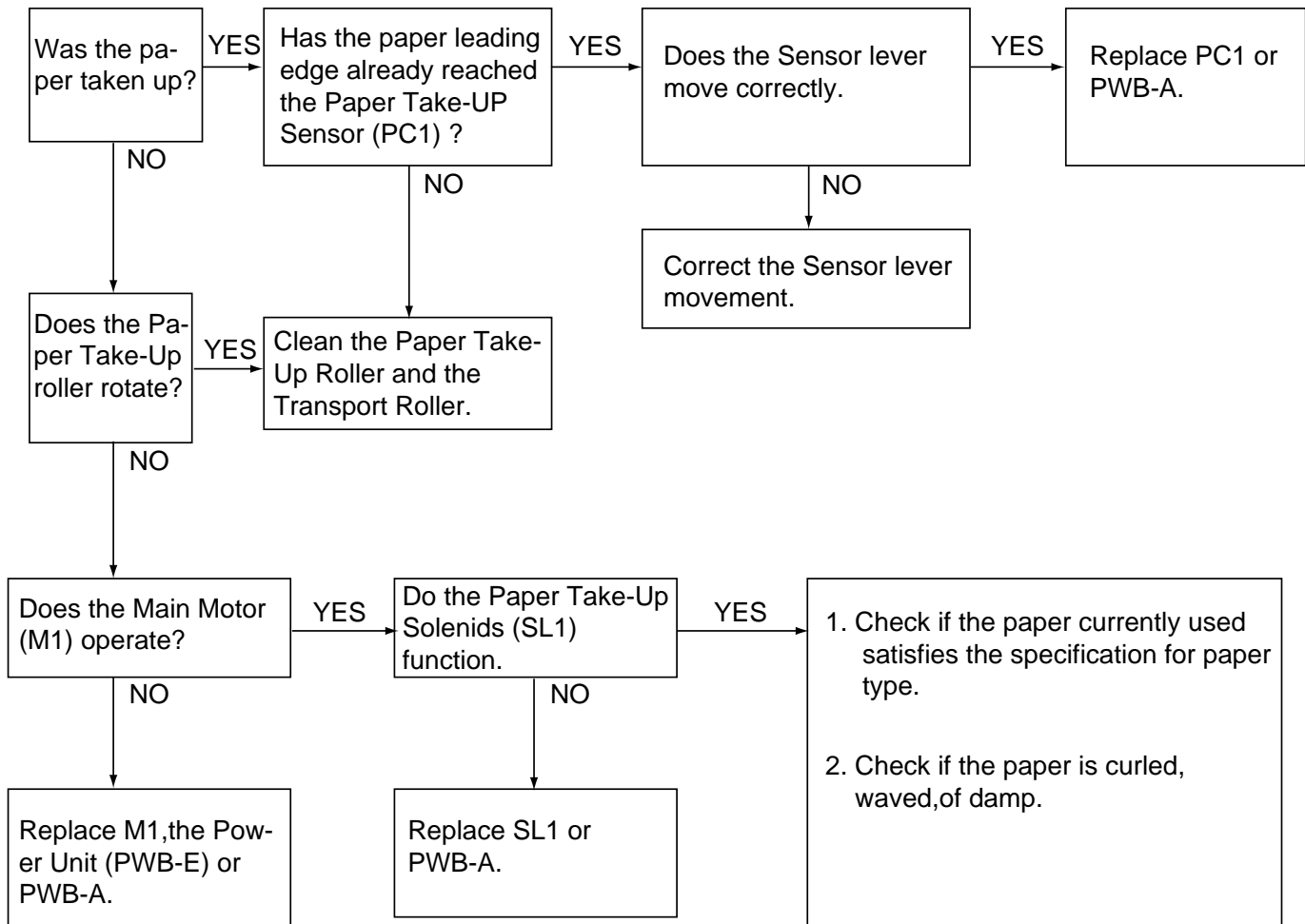
3. Printer troubleshooting

1. PAPER JAM

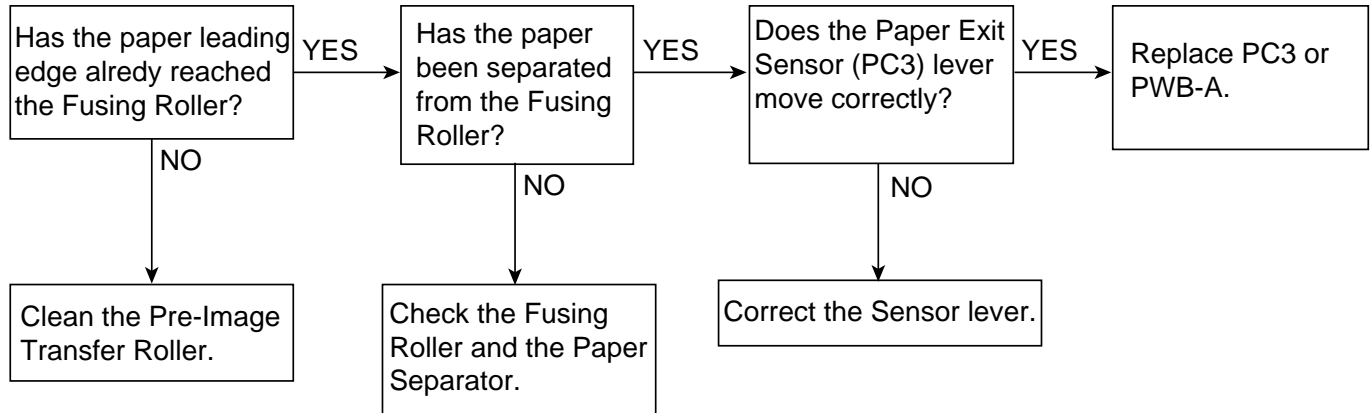
(1) Paper jam occurred when the Power ON/OFF Switch (S1) is turned ON, or when the Upper Unit is closed.



(2) Paper jam occurred at the paper take-up section

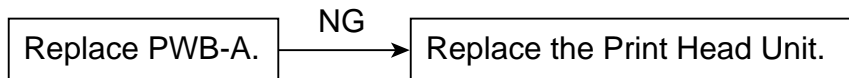


(3) Paper jam occurred at the paper transport section

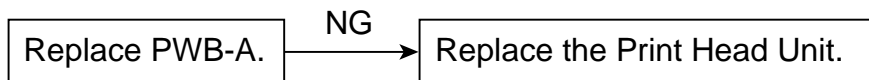


2. UNIT ERROR

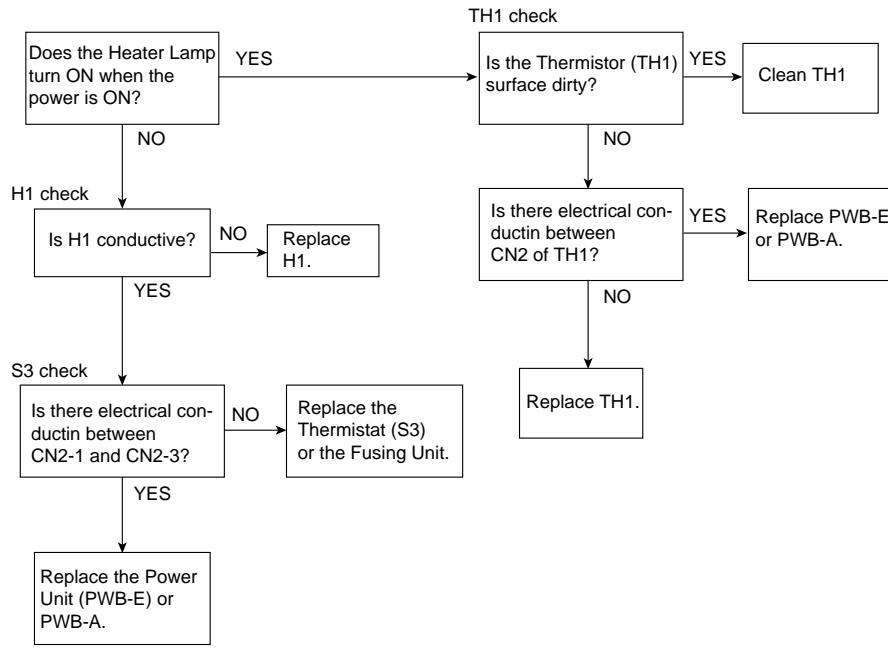
(1) Laser malfunction



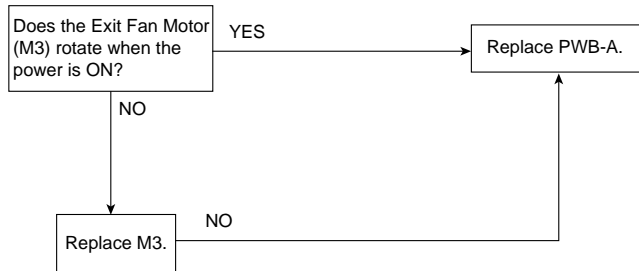
(2) Polygon motor malfunction



(3) Fusing malfunction

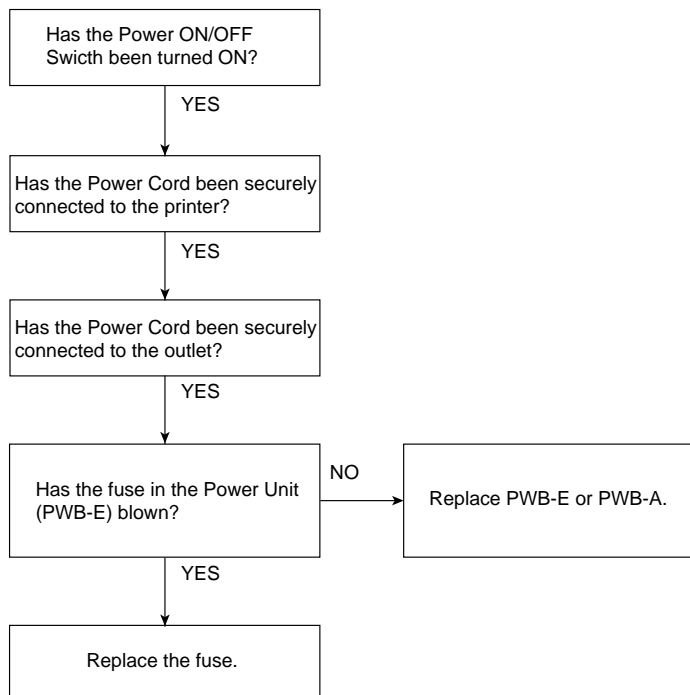


(4) Exit fan malfunction



3. OTHER TROUBLE SHOOTING

(1) No Power



[4] ERROR CODE TABLE

1. Communication error code table

G3 Transmission

Code	Final received signal	Error Condition (Receiver side)
0	Incomplete signal frame	Cannot recognize bit stream after flag
1	NSF, DIS	Cannot recognize DCS signal by echo etc. Cannot recognize NSS signal (FIF code etc)
2	CFR	Disconnects line during reception (carrier missing etc)
3	FTT	Disconnects line by fall back
4	MCF	Disconnects line during reception of multi page Cannot recognize NSS, DCS signal in the case of mode change
5	PIP or PIN	The line is hung up without replying to telephone request from the receiving party.
6	RTN or RTP	Cannot recognize NSS, DCS signal after transmit RTN or RTP signal.
7	No signal or DCN	No response in receiver side or DCN signal received* (transmitter side)
8	–	Owing to error in some page the error could not be corrected although the specified number of error retransmission was attempted.
11	–	Error occurred after or while reception by the remote (receiving) machine was revealed to be impossible.
12	–	Error occurred just after fallback.
13	–	Error occurred after a response to retransmission end command was received.

G3 Reception

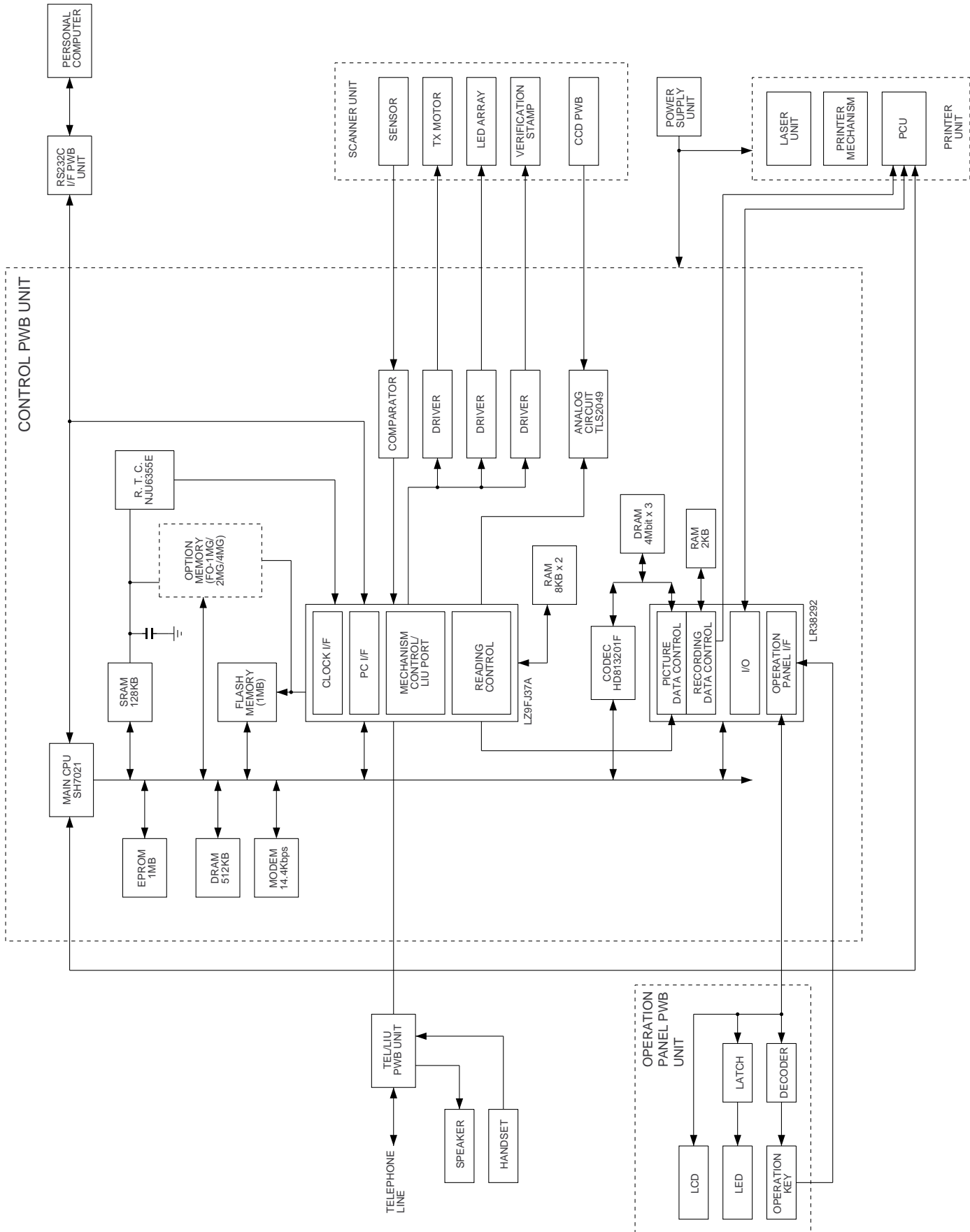
Code	Final received signal	Error Condition (Receiver side)
0	Incomplete signal frame	Cannot recognize bit stream after flag
1	NSS, DCS	Cannot recognize CFR or FTT signal Disconnects line during transmission (line error)
2	NSC, DTC	Cannot recognize NSS signal (FIF code etc)
3	EOP	Cannot recognize MCF, PIP, PIN, RTN, RTP signal
4	EOM	Cannot recognize MCF, PIP, PIN, RTN, RTP signal in the case of mode change
5	MPS	The line is hung up without replying to communication request.
6	PR1-Q	Cannot recognize PIP, PIN signal in the case of TALK request
7	No signal or DCN	No response in transmitter (cannot recognize DIS signal) or DCN signal received* (receiver side)
8	–	Error occurred upon completion of reception of all pages.
9	–	Error occurred when mode was changed or Transmission/Reception switching was performed.
10	–	Error occurred during partial page or physical page reception.
11	–	Error occurred after or during inquiry from the remote (transmitting) machine as to whether reception is possible or not.
12	–	Error occurred during or just after fallback.
13	–	Error occurred after the retransmission end command was received.

2. Service call error message

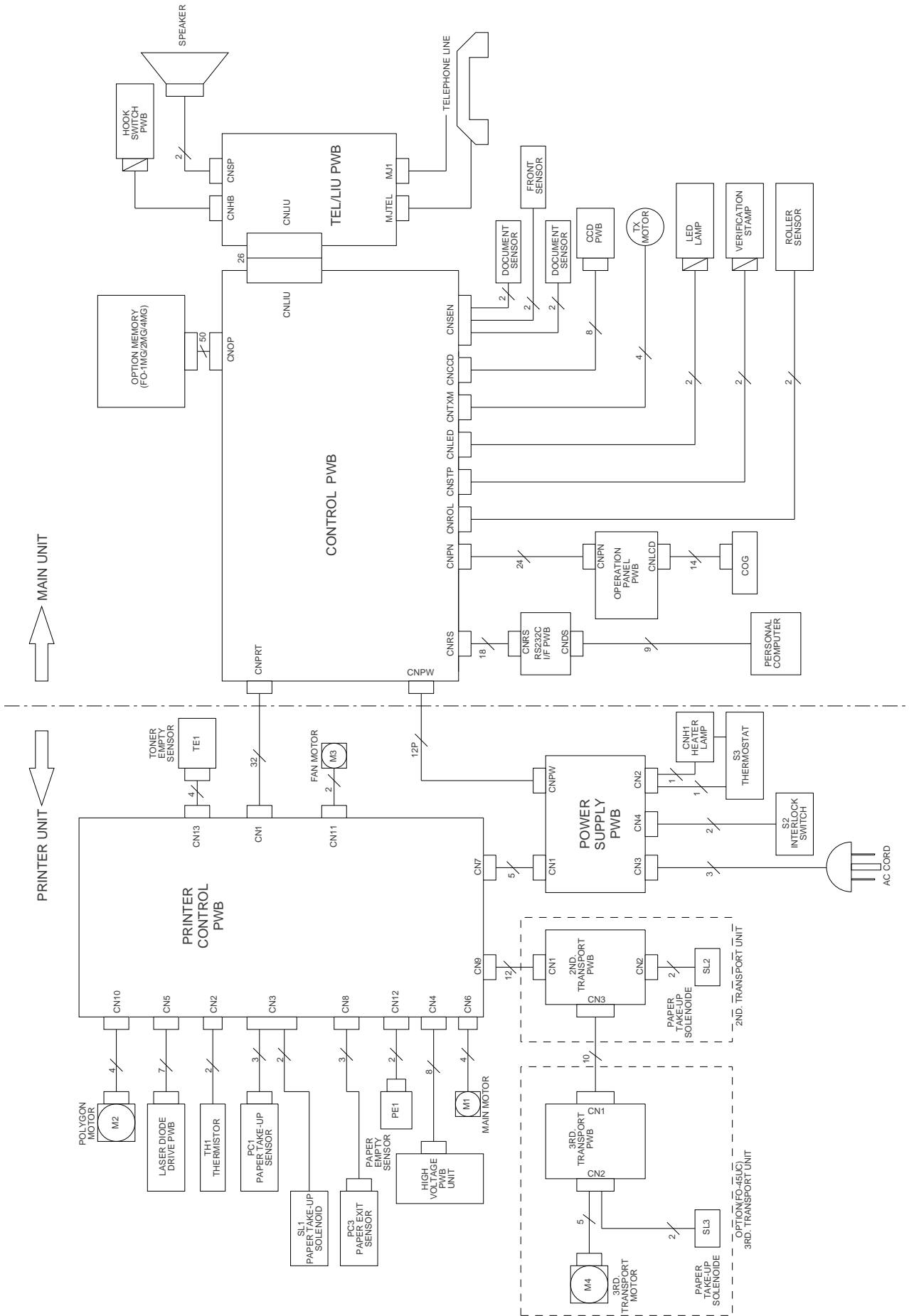
1. HEATER ERROR
2. LASER ERROR
3. POLYGON ERROR
4. FAN ERROR
5. CPU COMM. ERROR

CHAPTER 4. DIAGRAMS

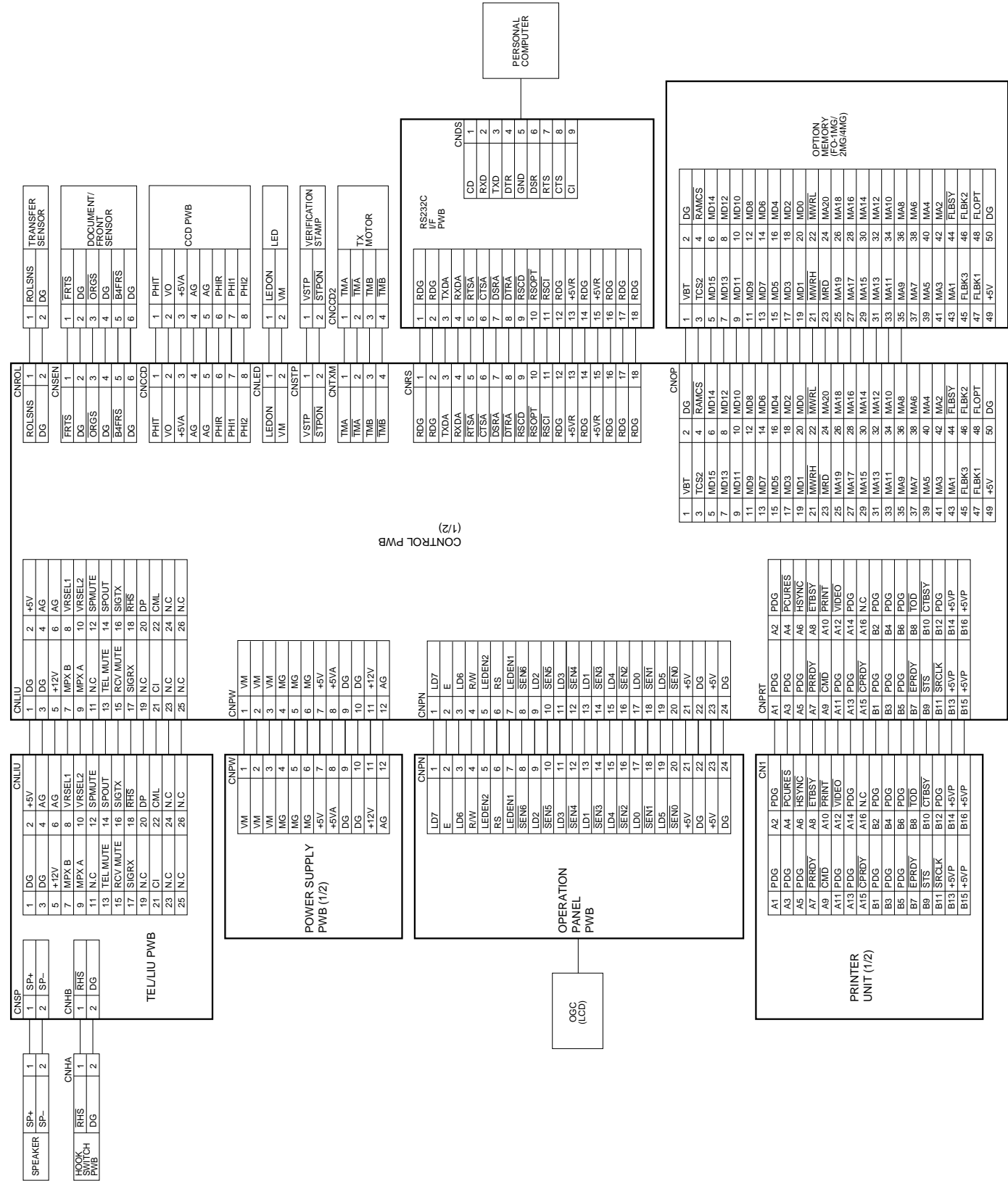
[1] Block diagram



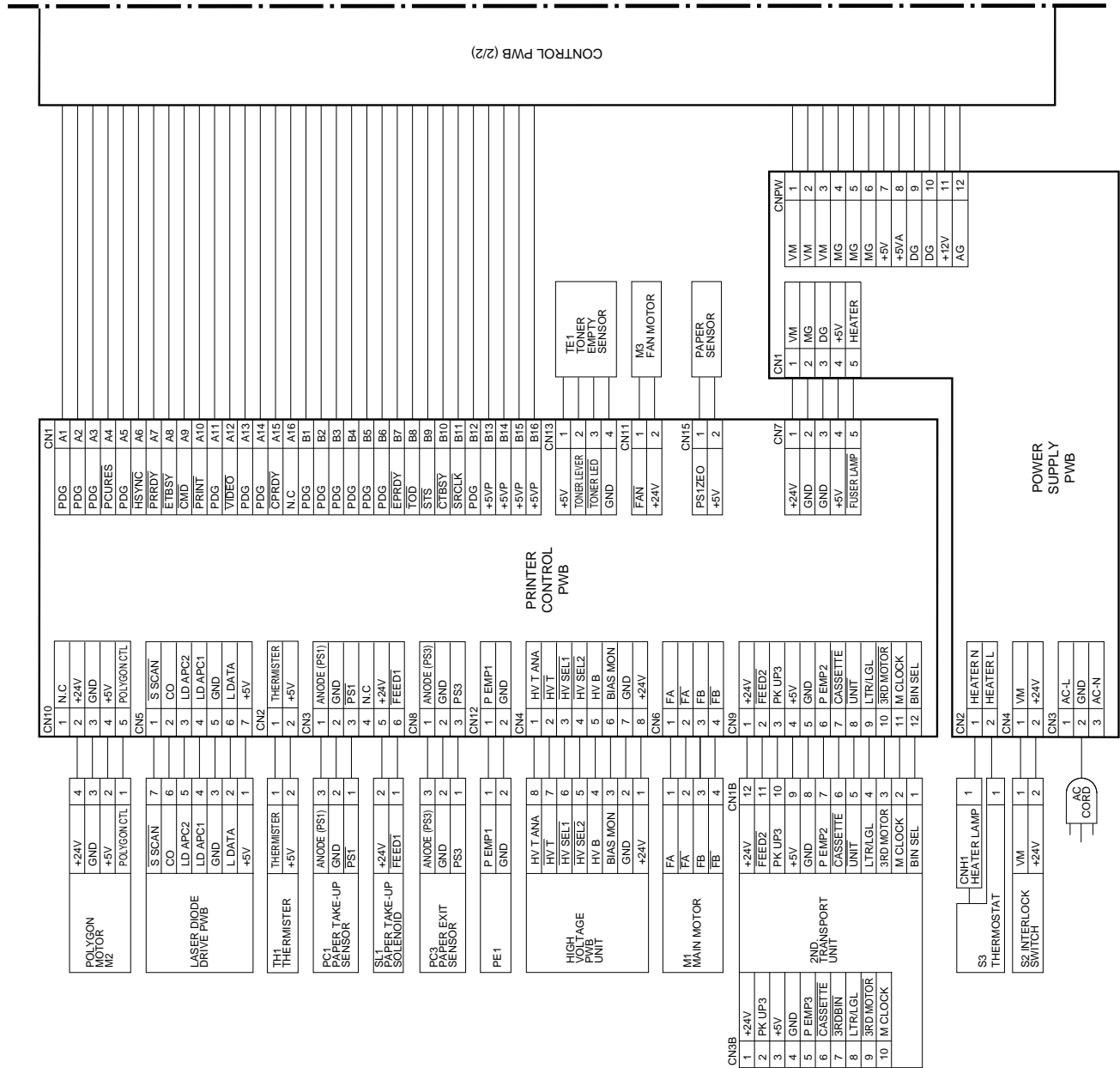
[2] Wiring diagram



[3] Point to point diagram and connector signal name (1)



Point to point diagram and connector signal name (2)



MEMO

CHAPTER 6. CIRCUIT SCHEMATICS AND PARTS LAYOUT

**[1] Control PWB circuit
CPU block**

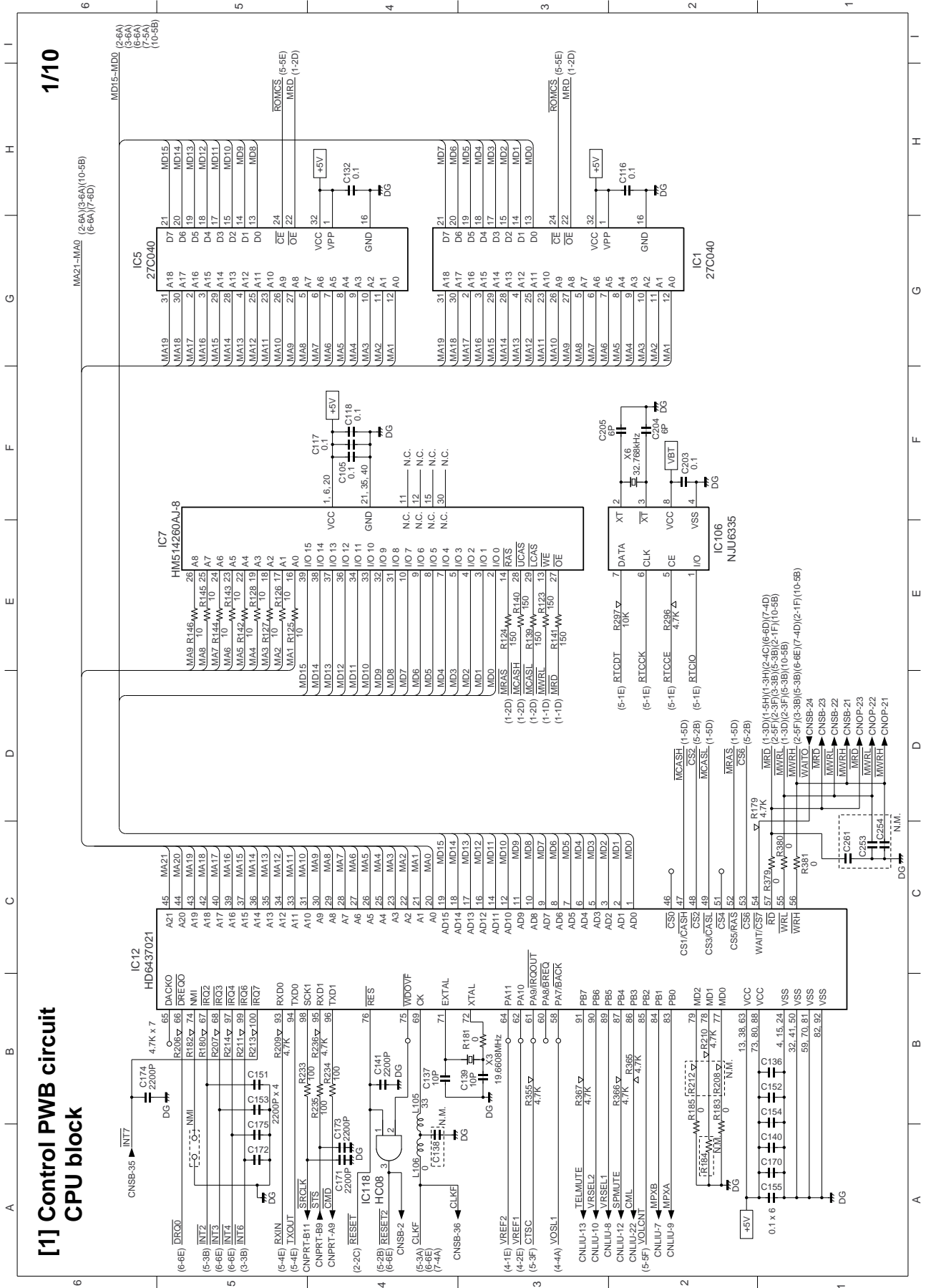
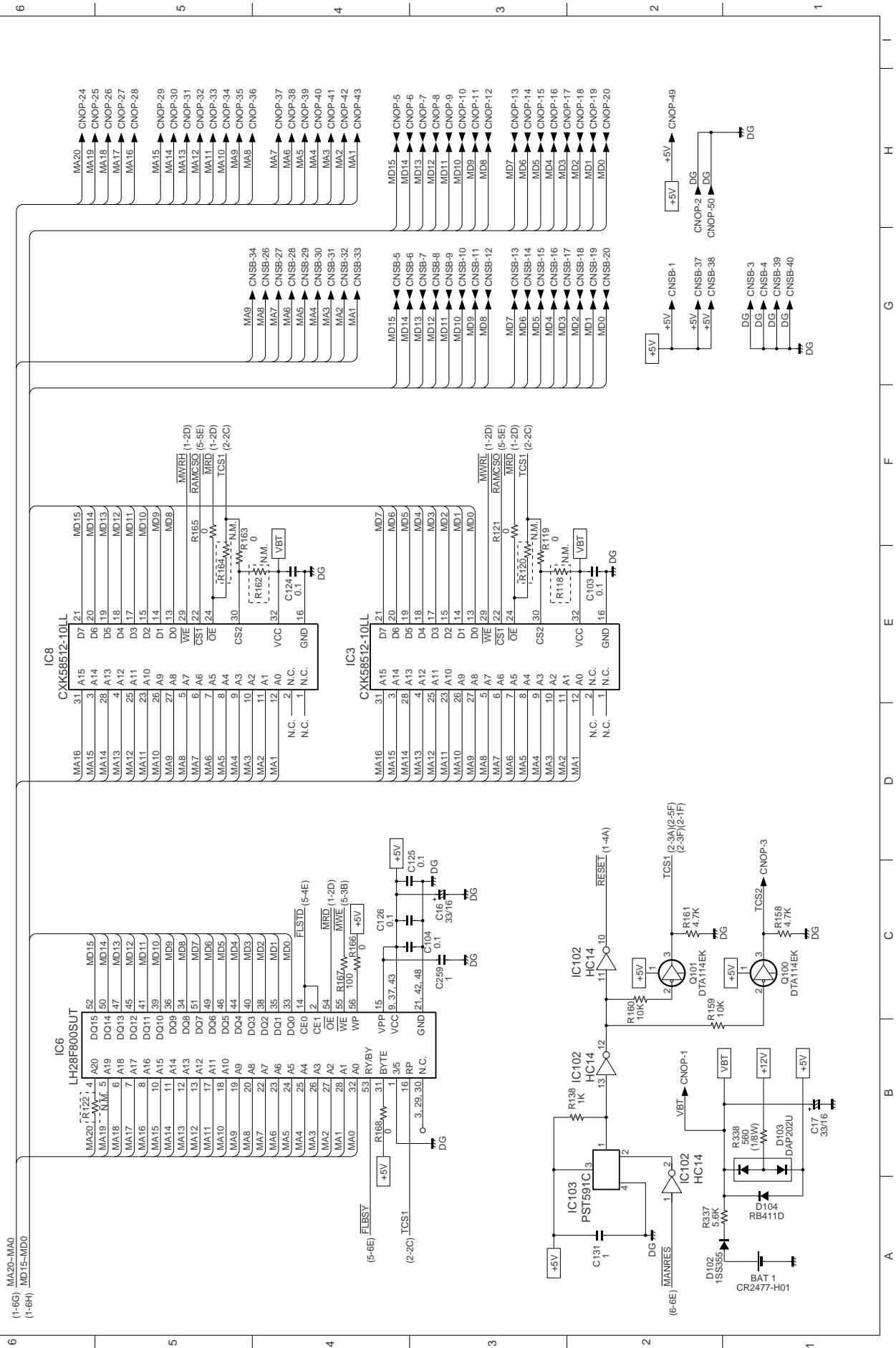


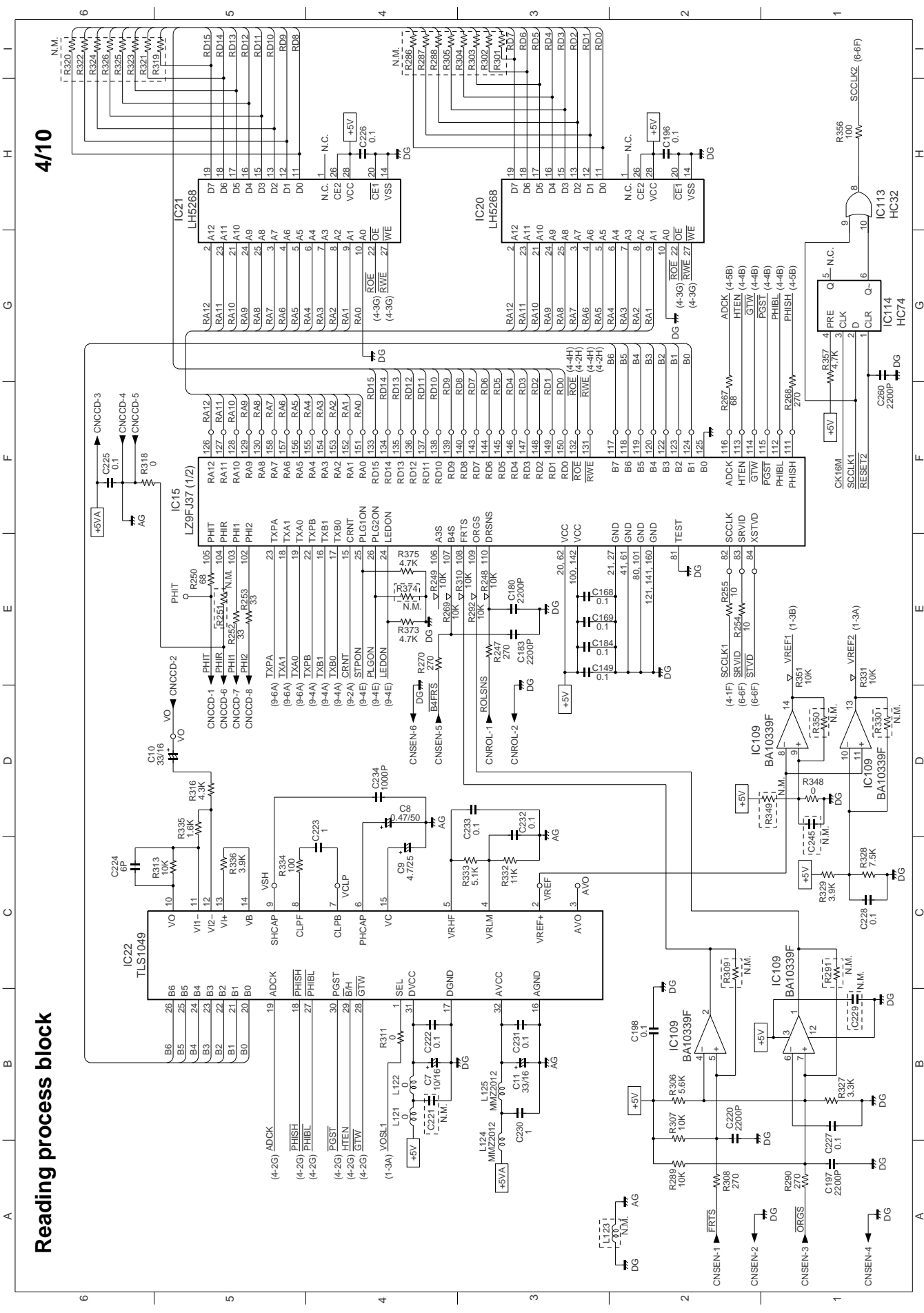
Image memory block

2/10



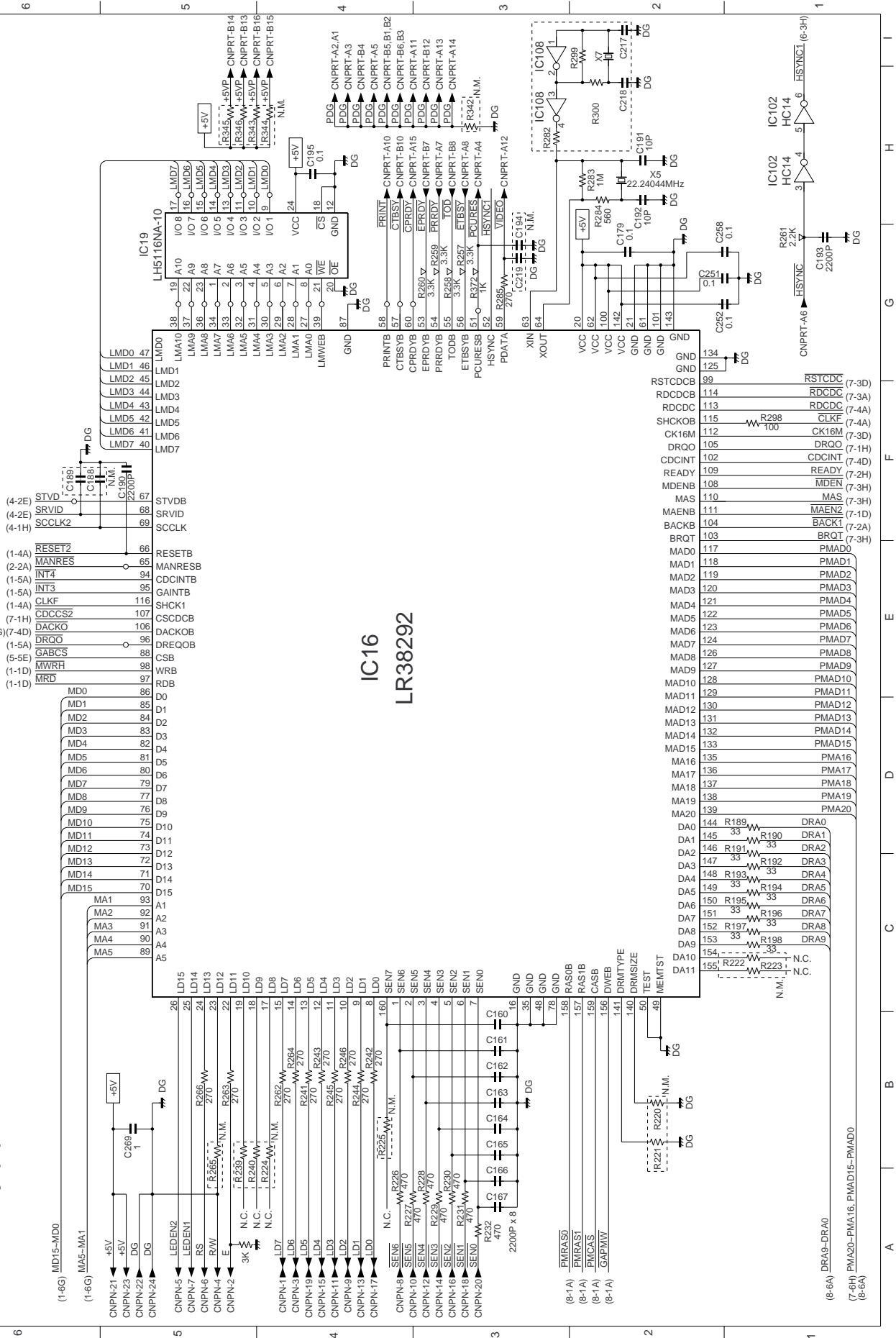
Reading process block

4/10



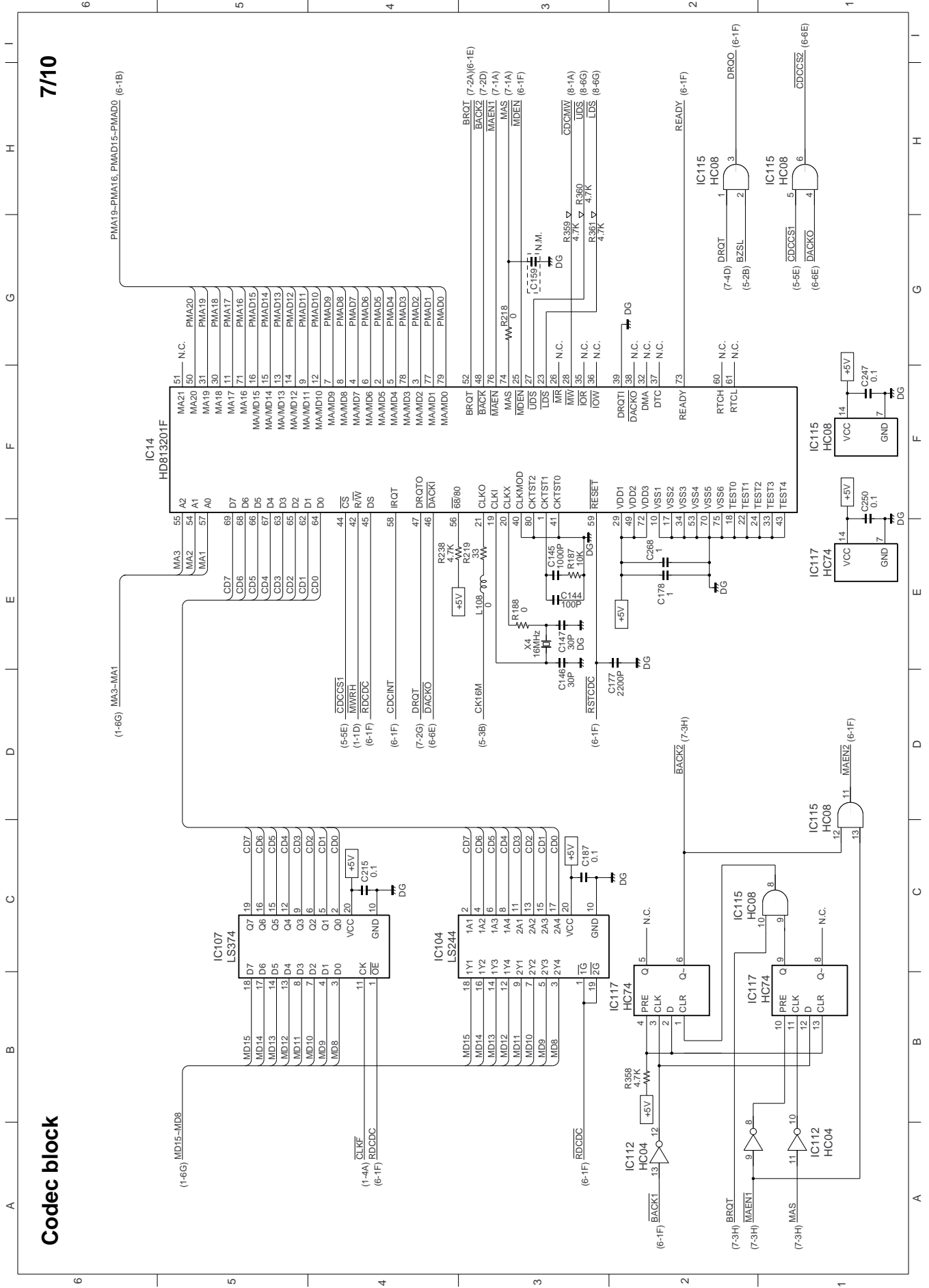
6/10

Gate array (B) block



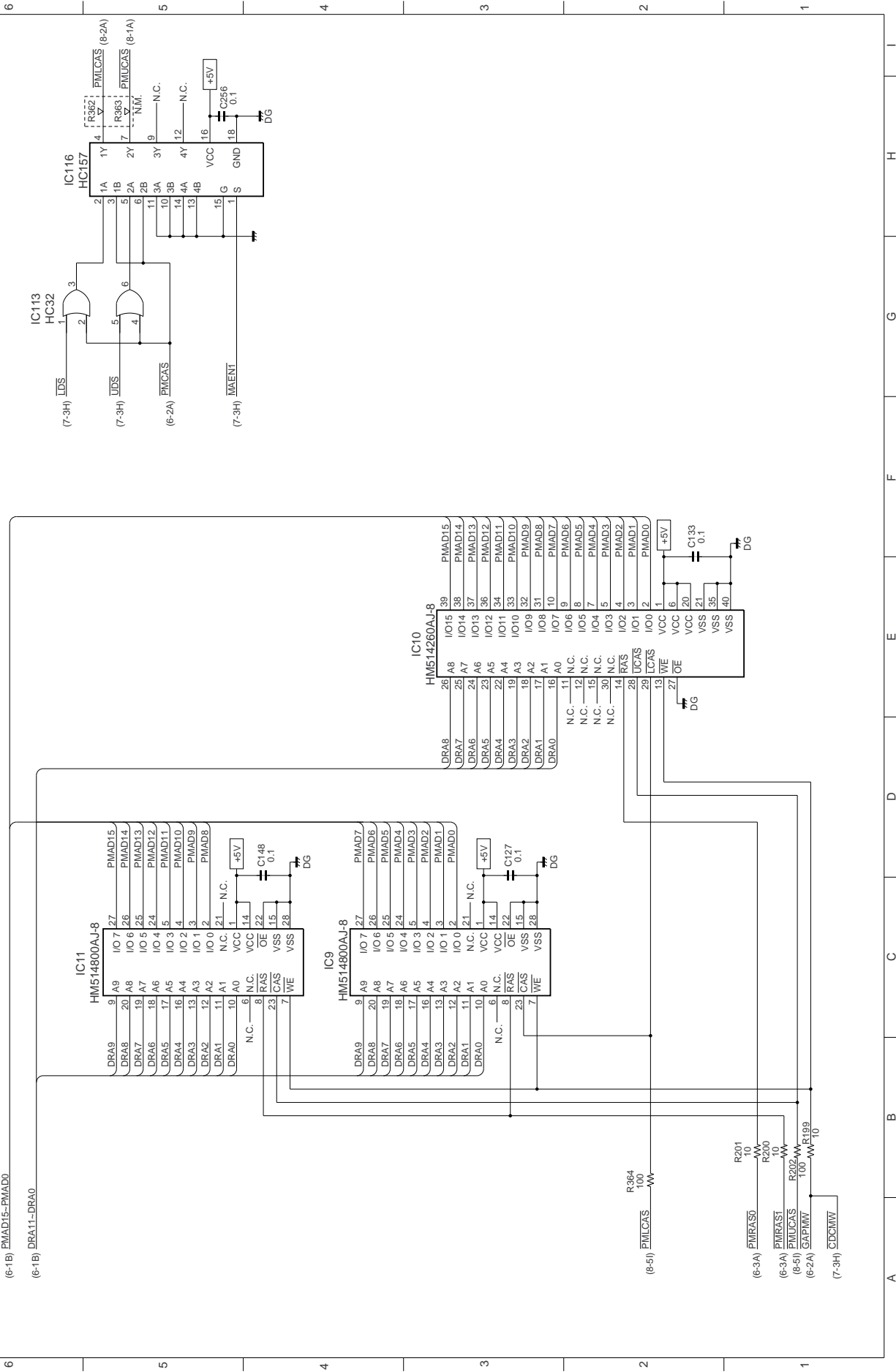
7/10

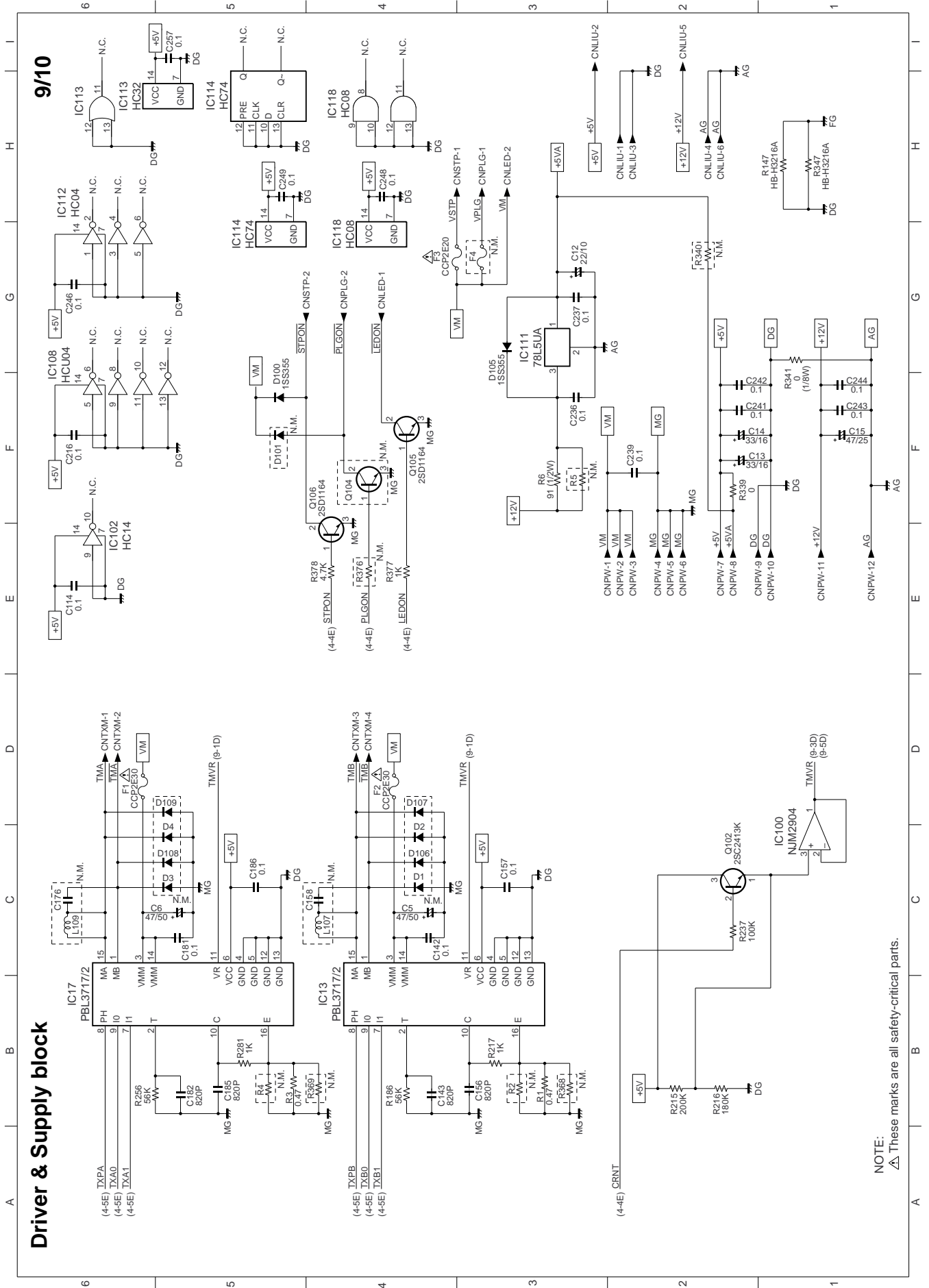
Codec block



Page memory block

8/10





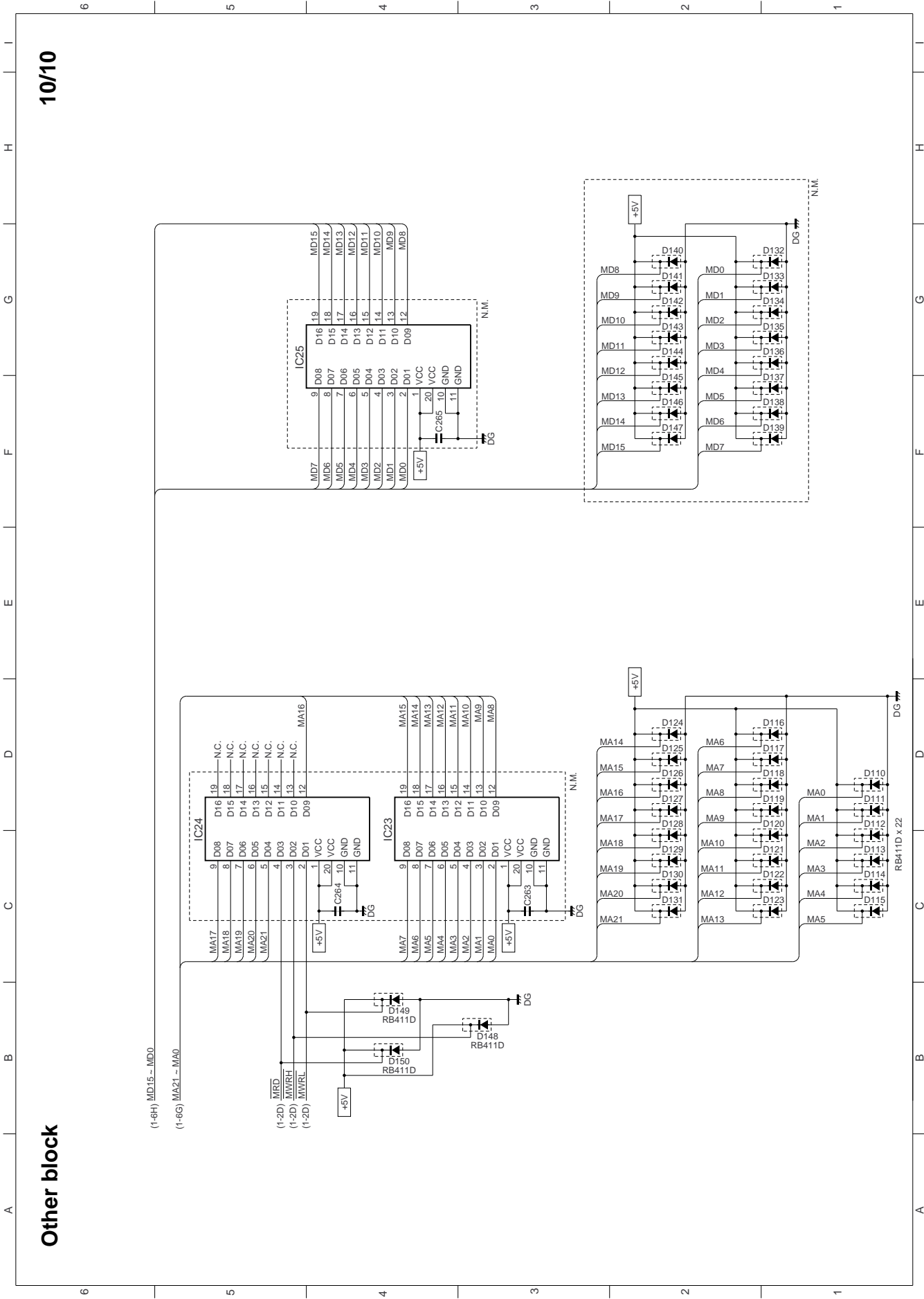
Driver & Supply block

9/10

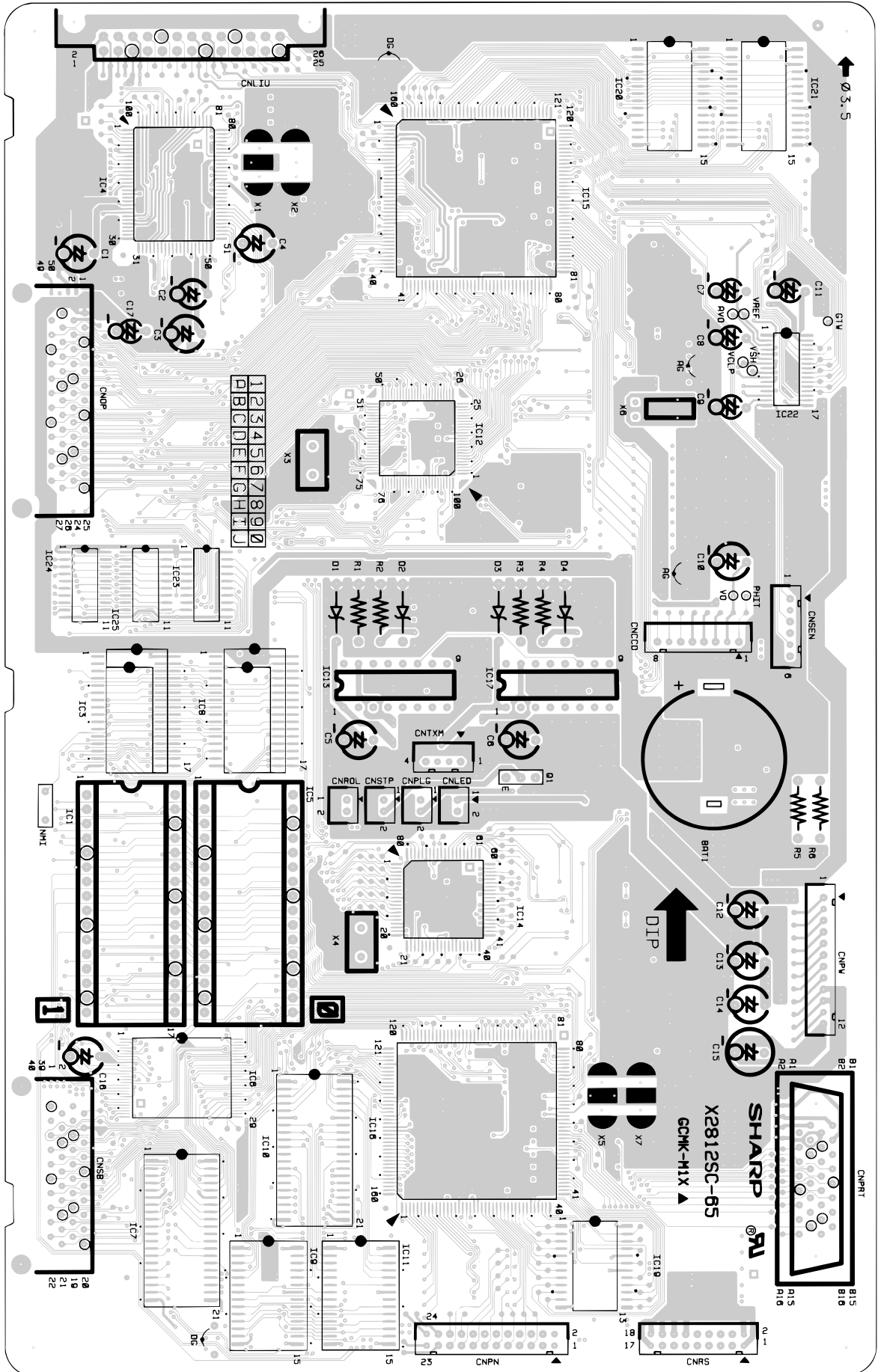
NOTE: These marks are all safety-critical parts.

Other block

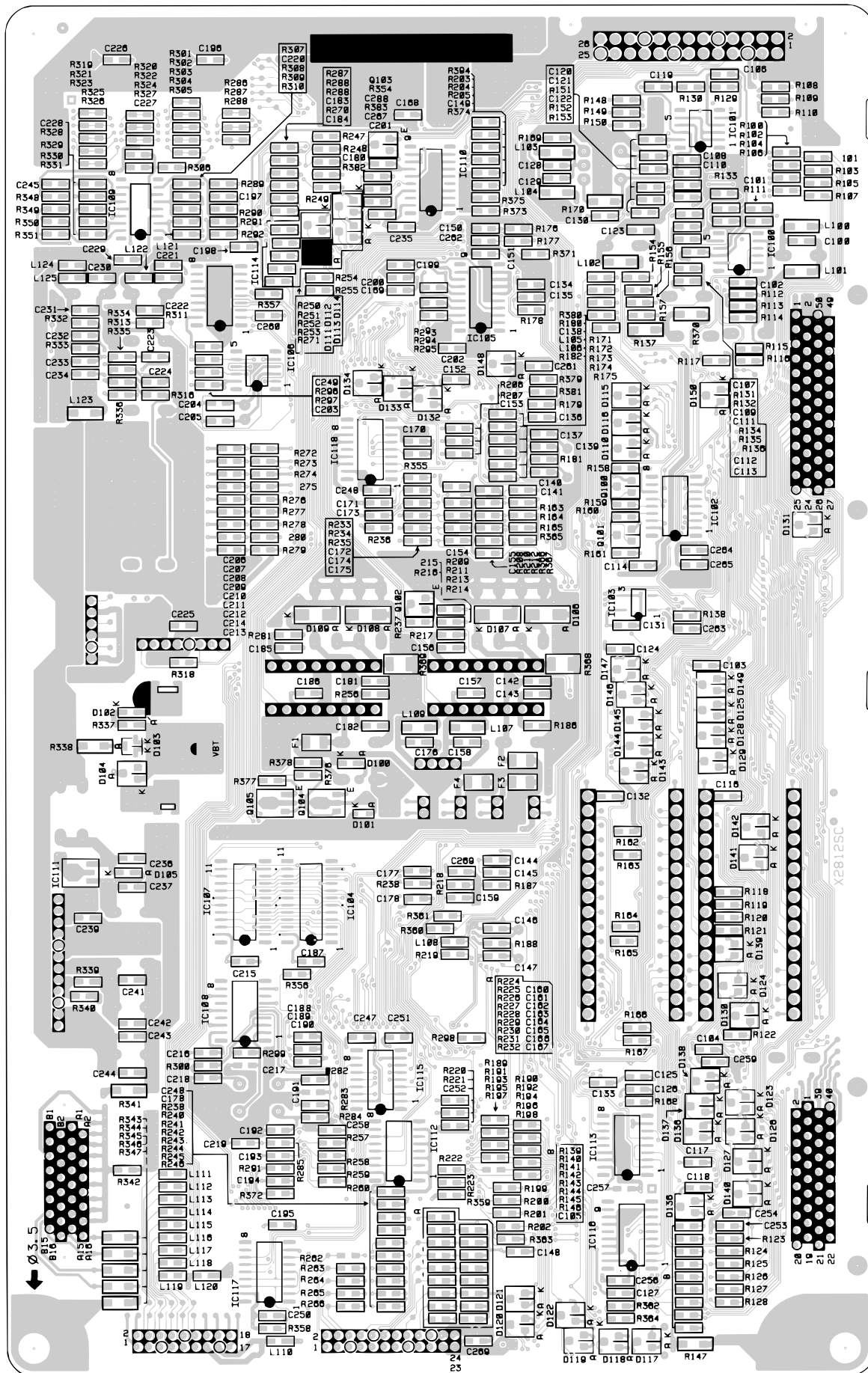
10/10



Control PWB parts layout (Top side)

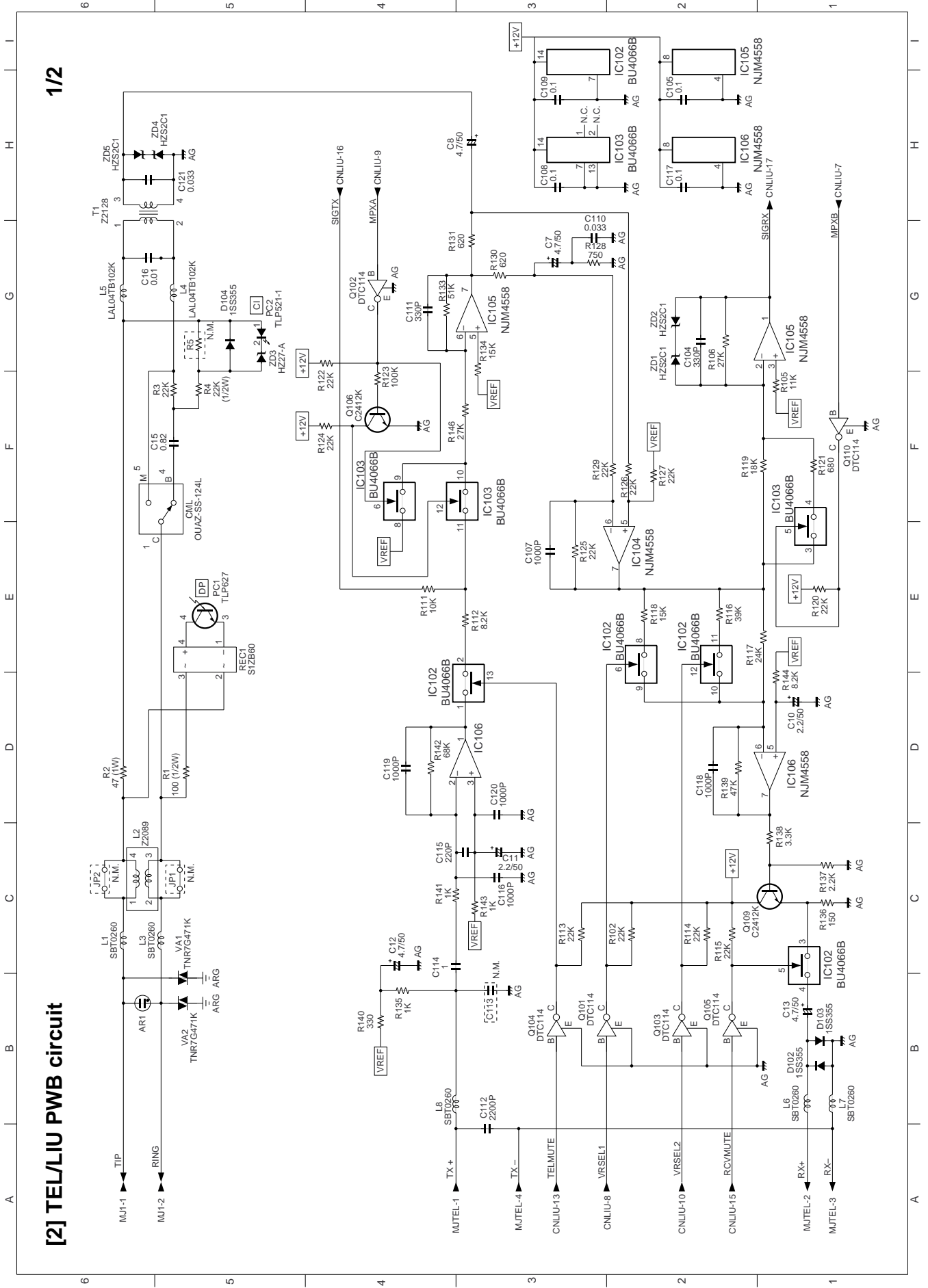


Control PWB parts layout (Bottom side)



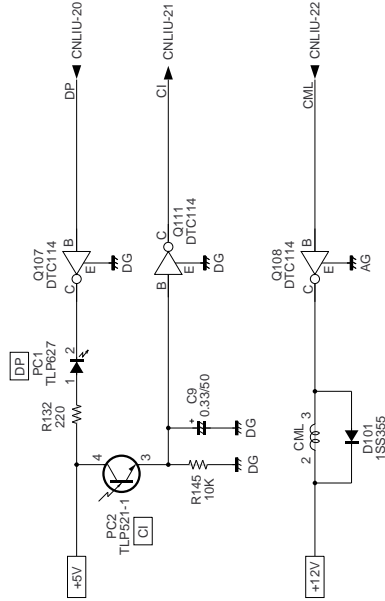
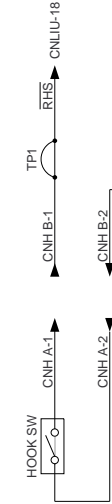
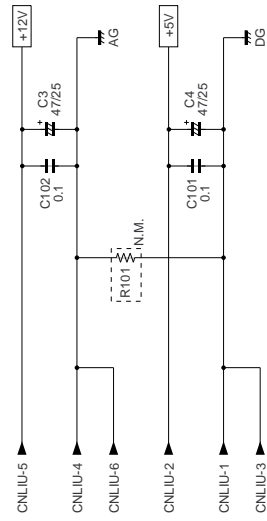
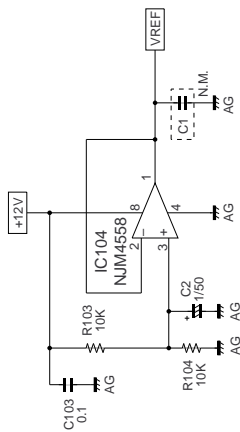
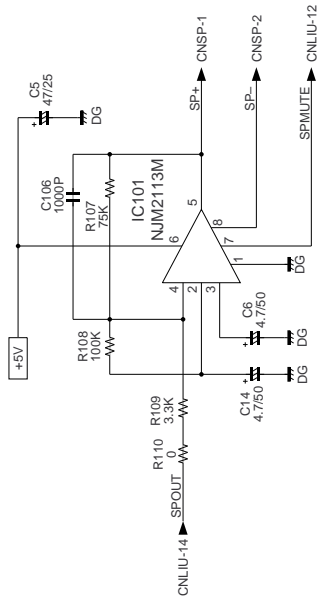
[2] TEL/LIU PWB circuit

1/2



TEL/LIU PWB circuit

2/2

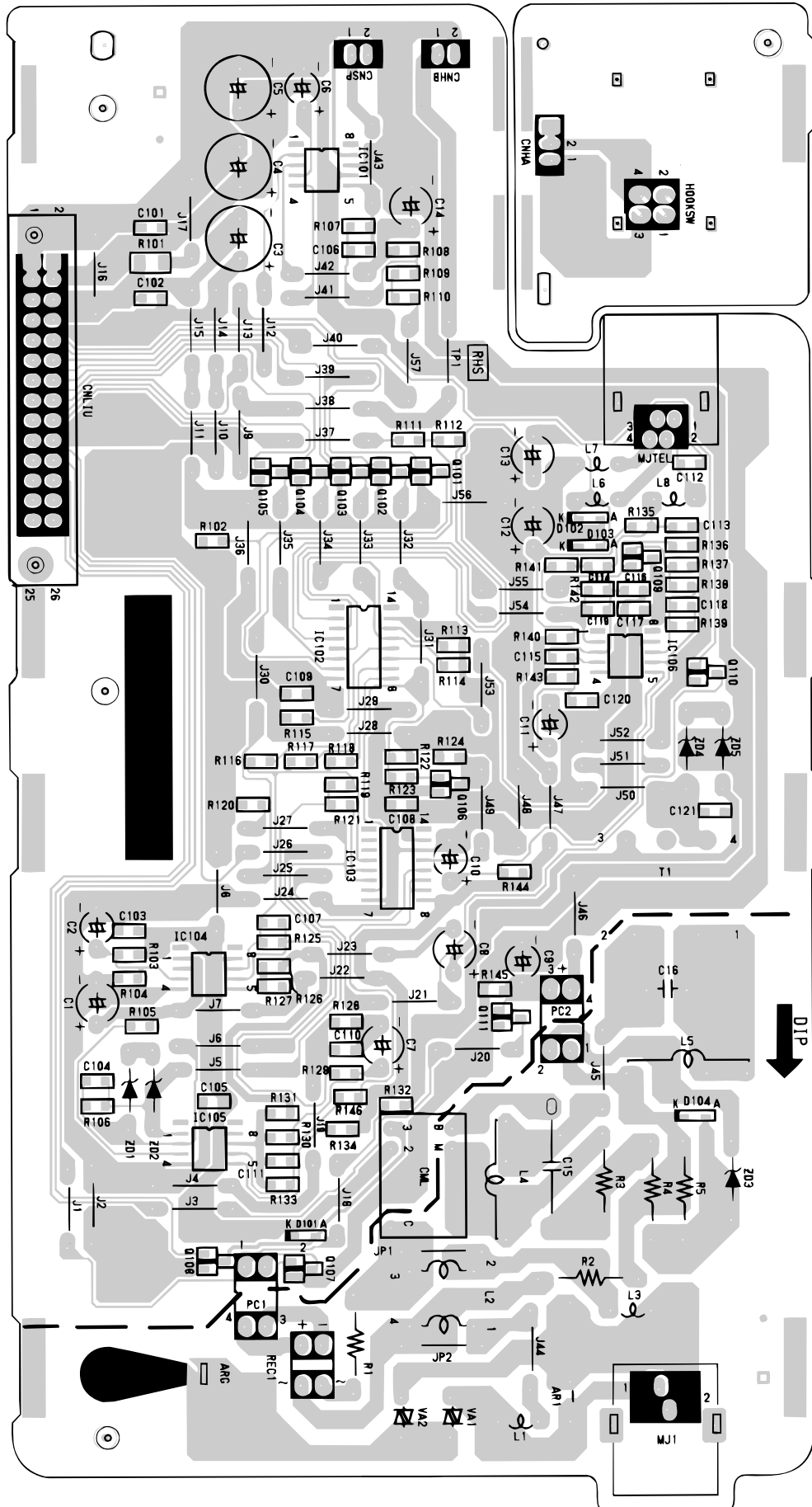


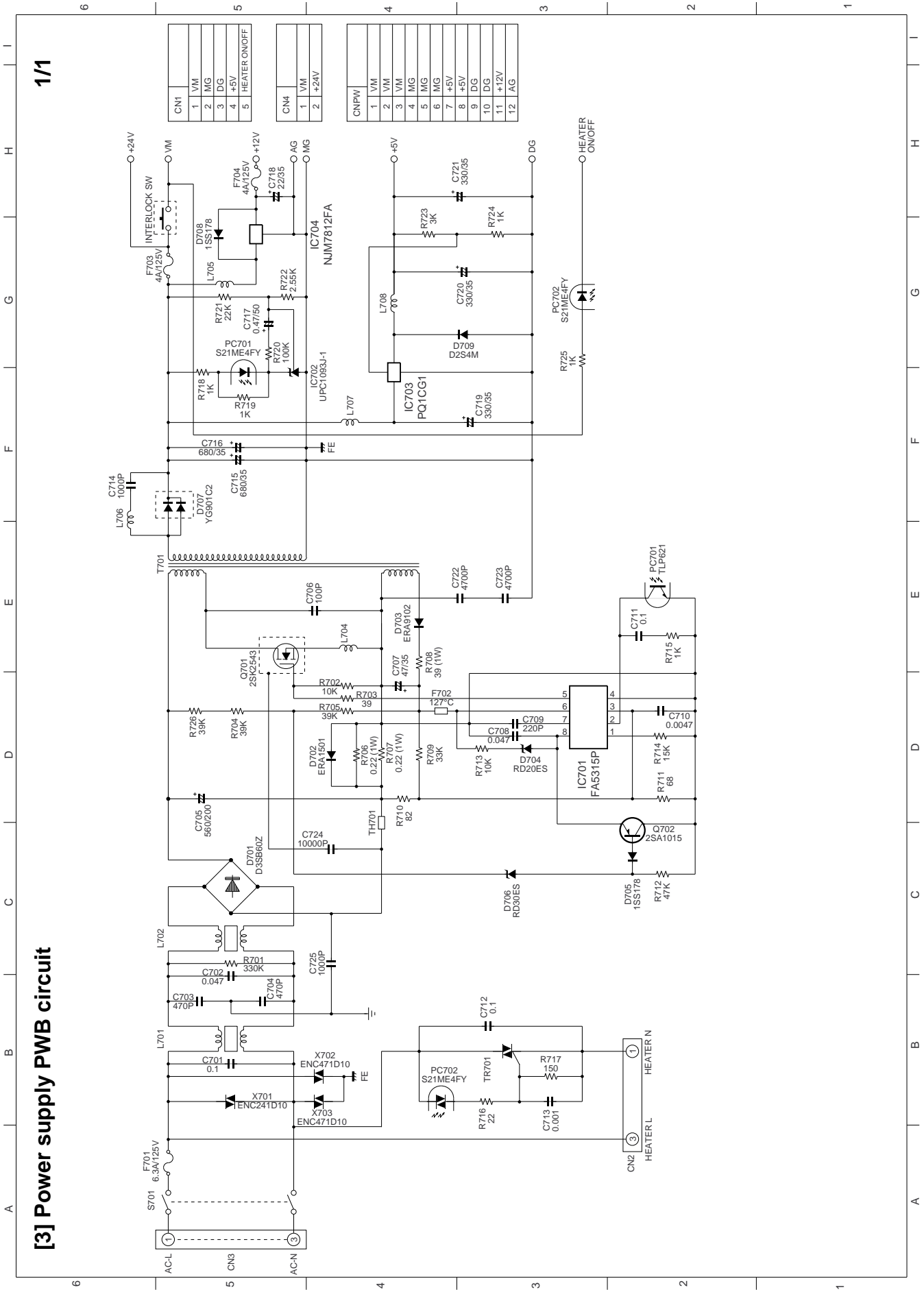
CNH B		CNSP	
1	RHS	1	SP+
2	DG	2	SP-

IMTEL		MJ1	
1	TX+	1	TIP
2	RX+	2	RING
3	RX-		
4	TX-		

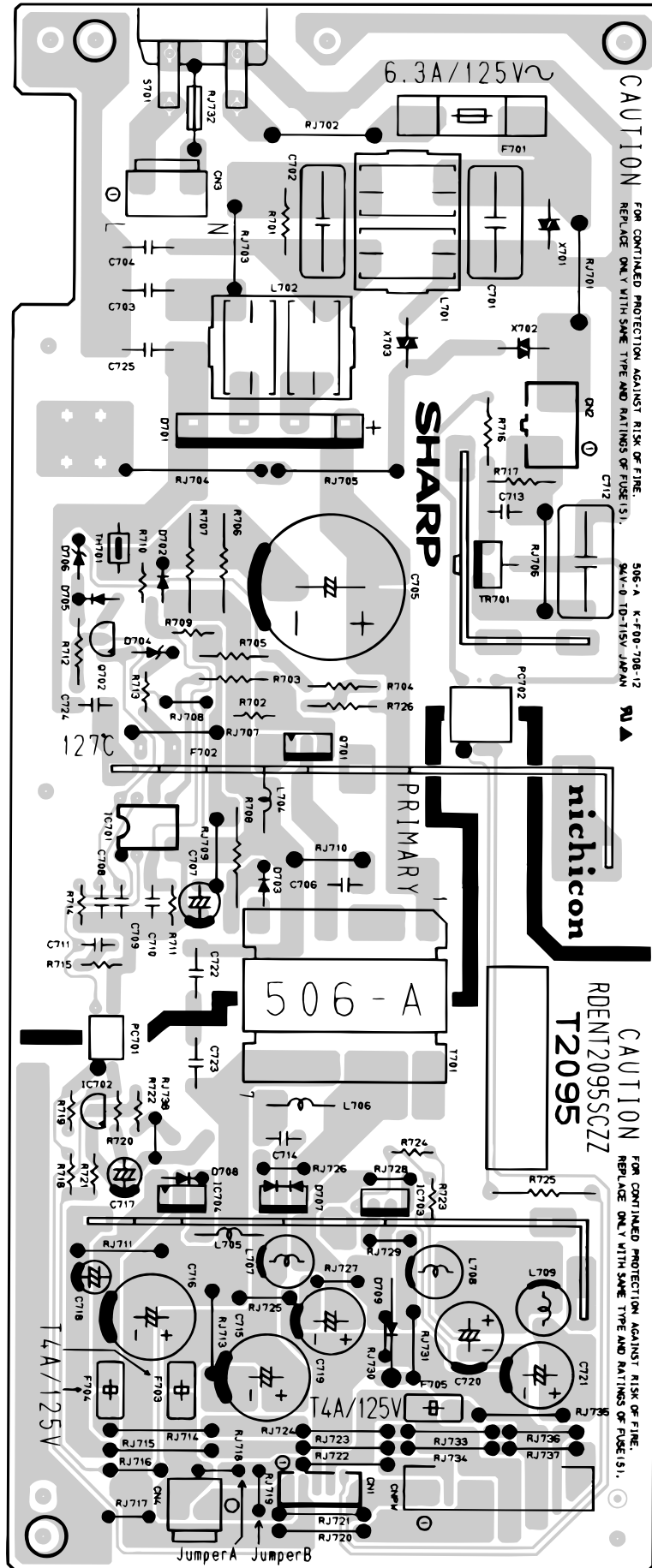
CNLIU			
1	DG	2	+5V
3	DG	4	AG
5	+12V	6	AG
7	MPX B	8	VRSEL1
9	MPX A	10	VRSEL2
11	N.C.	12	SPMUTE
13	TEL MUTE	14	SPOUT
15	RCV MUTE	16	SIGTX
17	SIGRX	18	RHS
19	N.C.	20	DP
21	CI	22	CML
23	N.C.	24	N.C.
25	N.C.	26	N.C.

TEL/LIU PWB parts layout





Power supply PWB parts layout

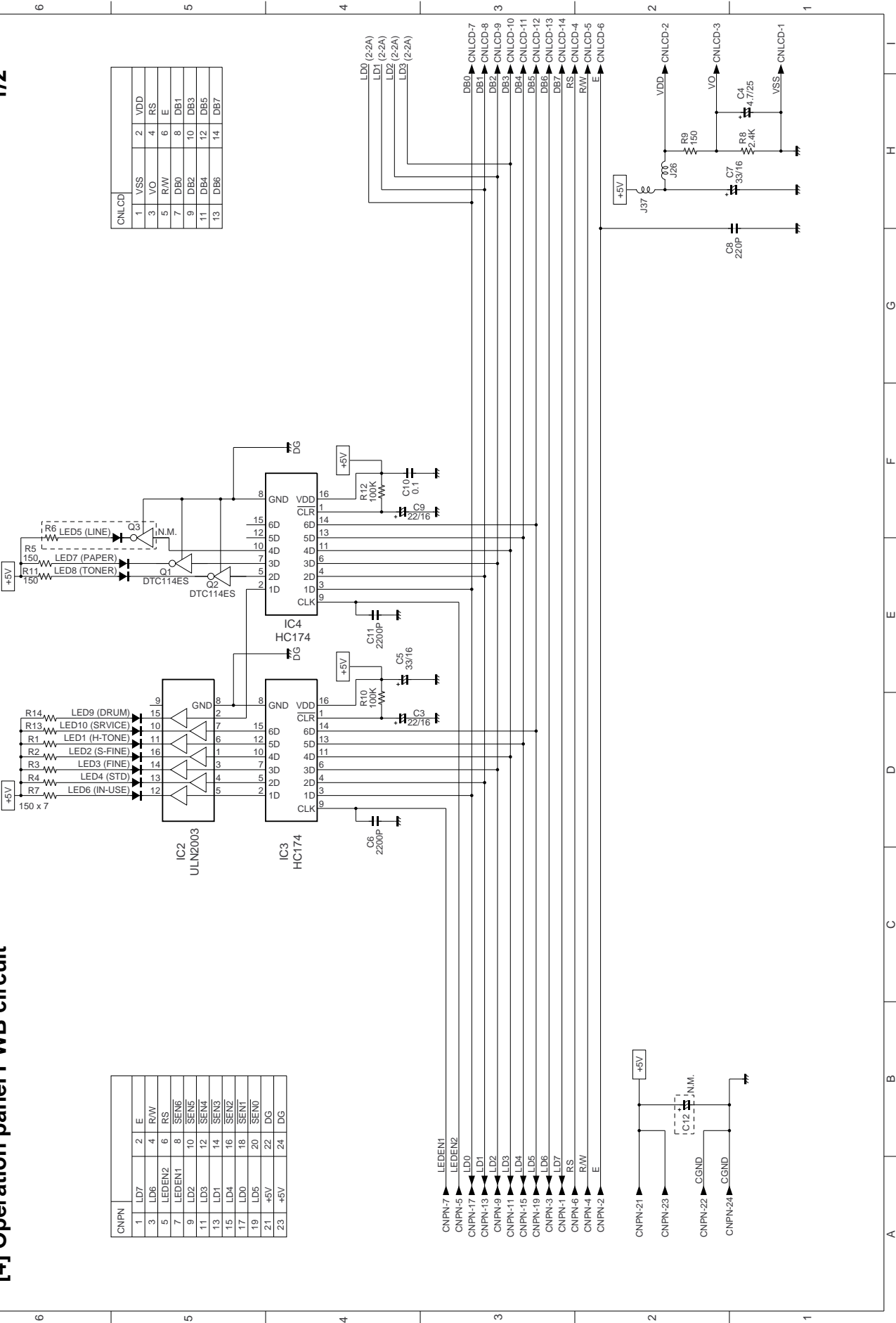


[4] Operation panel PWB circuit

1/2

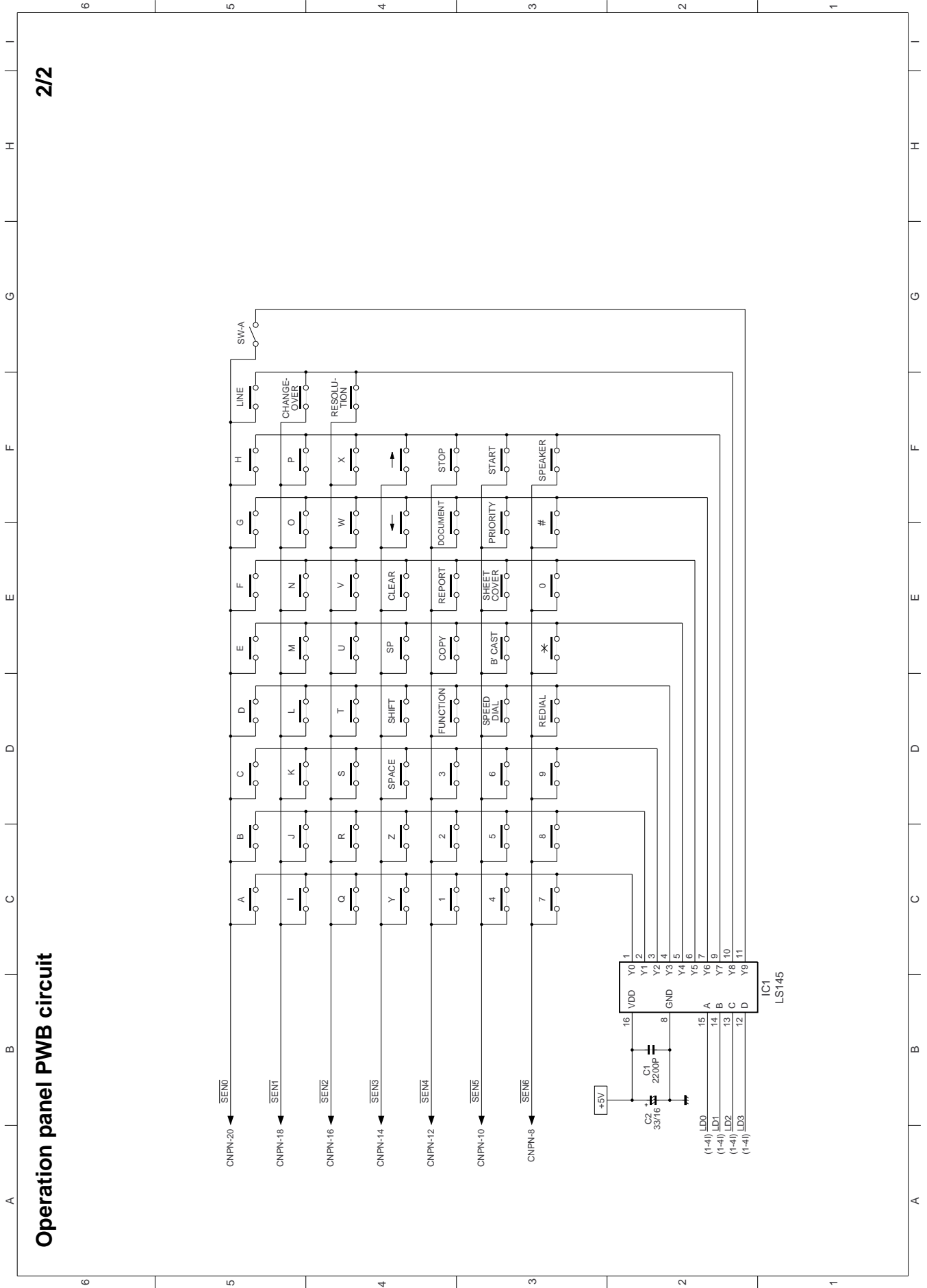
CNPN	1	2	E
LD7	4	R/W	6
LEDEN2	8	RS	10
LEDEN1	12	SENS	14
LD2	16	SENS	18
LD1	20	SENS	22
LD0	24	SENS	DG
+5V	28	DG	DG

CNLCDD	1	2	VDD
VSS	4	RS	6
VO	8	R/W	10
DB0	12	DB1	14
DB2	16	DB3	18
DB4	20	DB5	22
DB6	24	DB7	

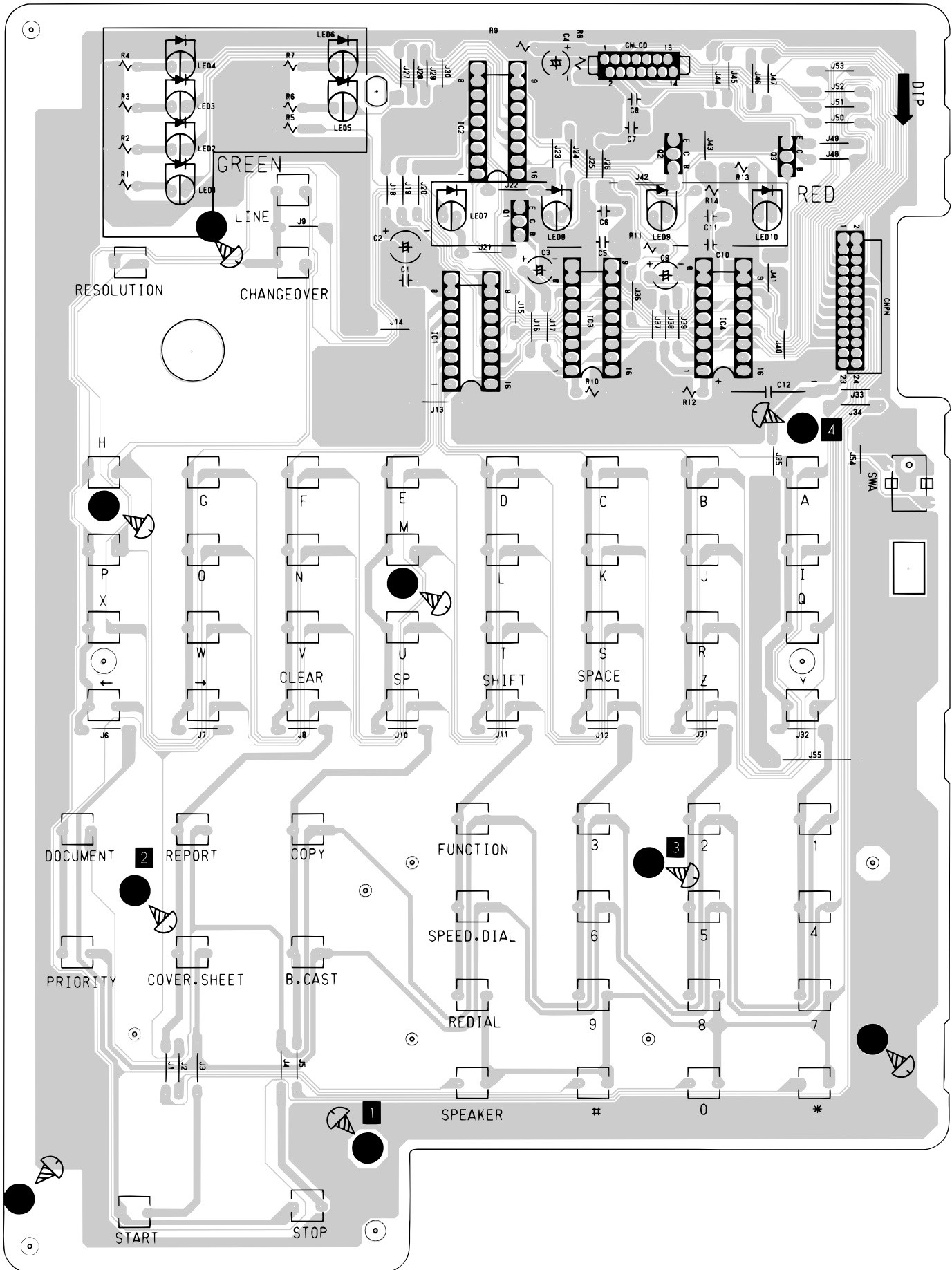


2/2

Operation panel PWB circuit

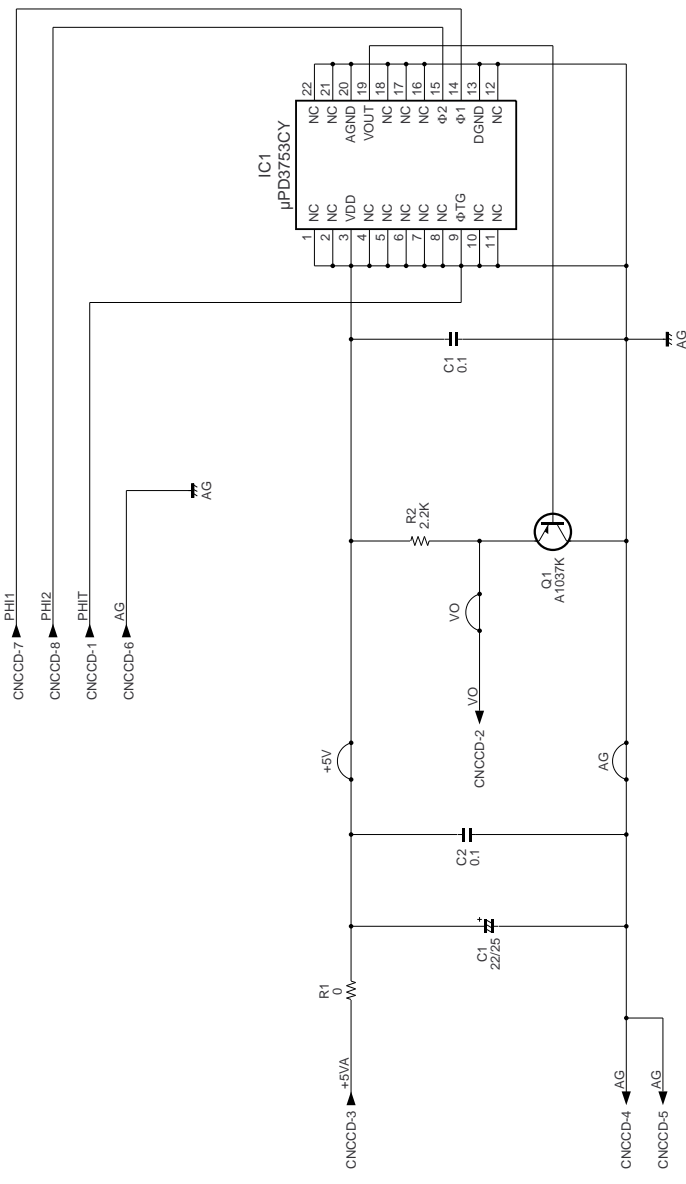


Operation panel PWB parts layout

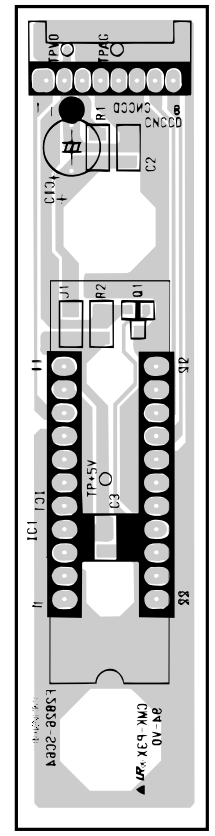


[5] CCD PWB circuit

CNCCD	
1	PHIT
2	VO
3	+5VA
4	AG
5	AG
6	AG
7	PHI1
8	PHI2

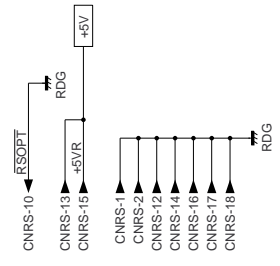
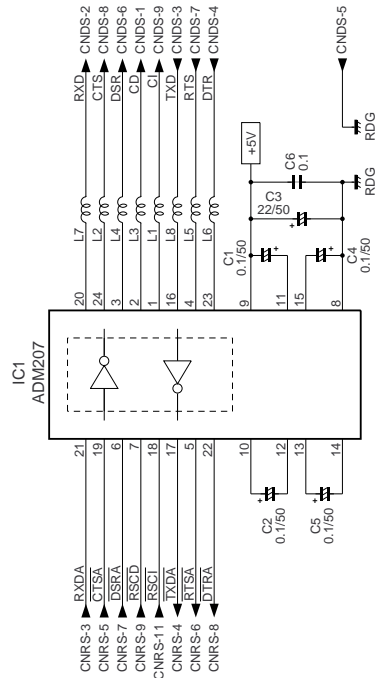


CCD PWB parts layout



[6] RS232C I/F PWB circuit

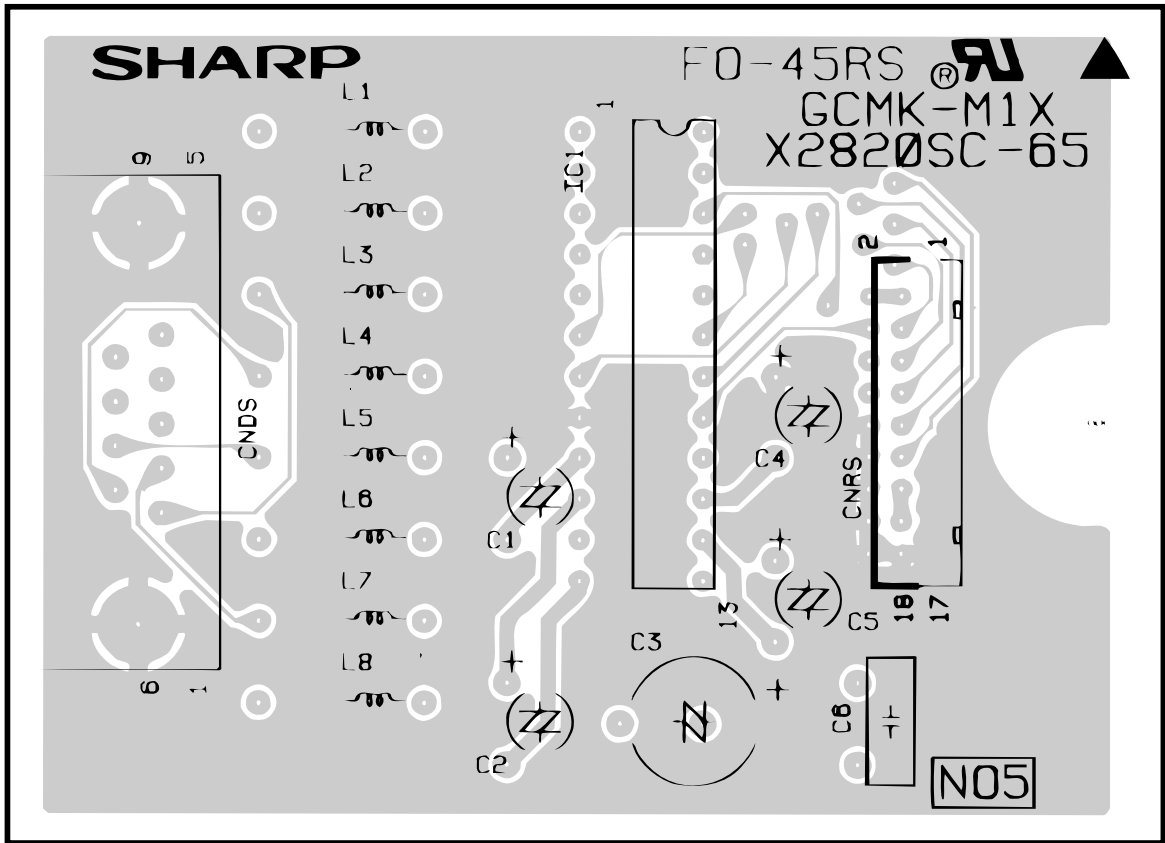
1/1



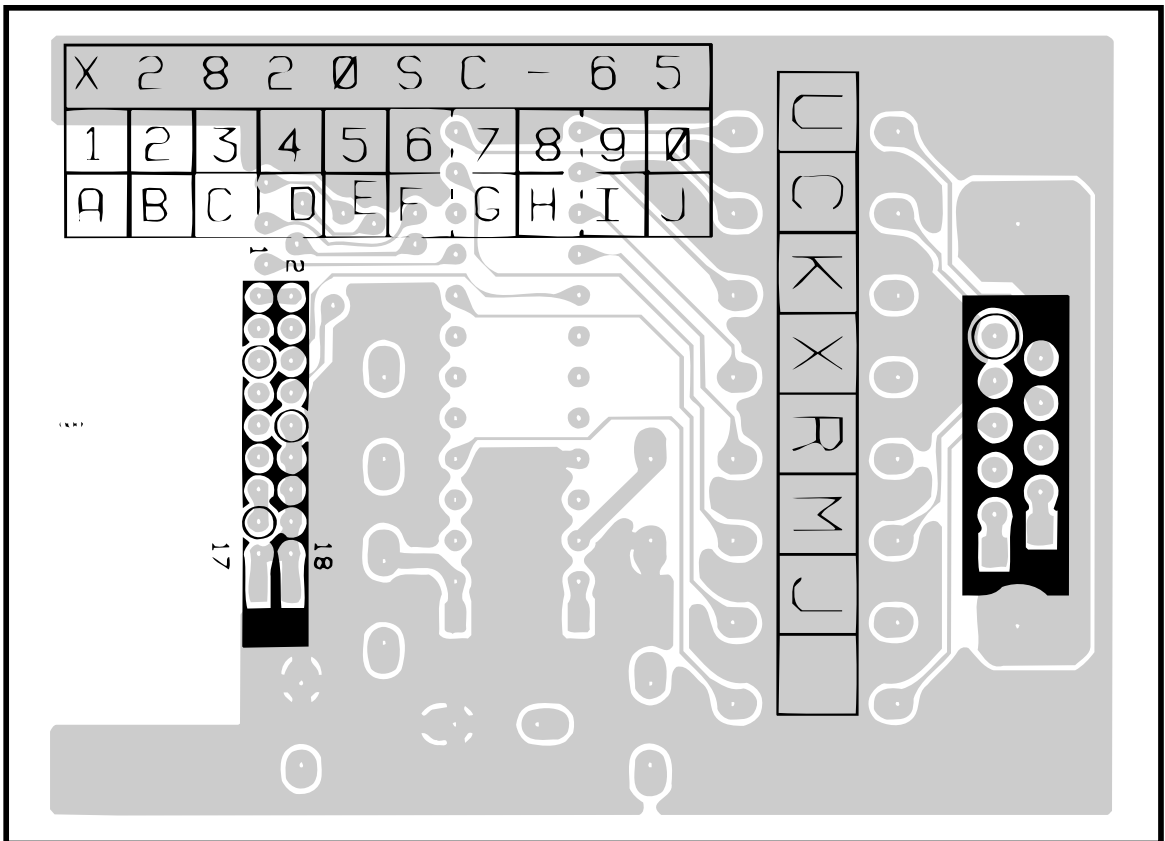
CNRS	
1	CD
2	RXD
3	TXD
4	DTR
5	GND
6	DSR
7	RTS
8	CTS
9	CI

CNRS	
1	RDG
2	RDG
3	RXDA
4	TXDA
5	CTSA
6	RTSA
7	DSRA
8	DTRA
9	RSCD
10	RSOPT
11	RSOPT
12	RDG
13	-5V
14	RDG
15	-5V
16	RDG
17	RDG
18	RDG

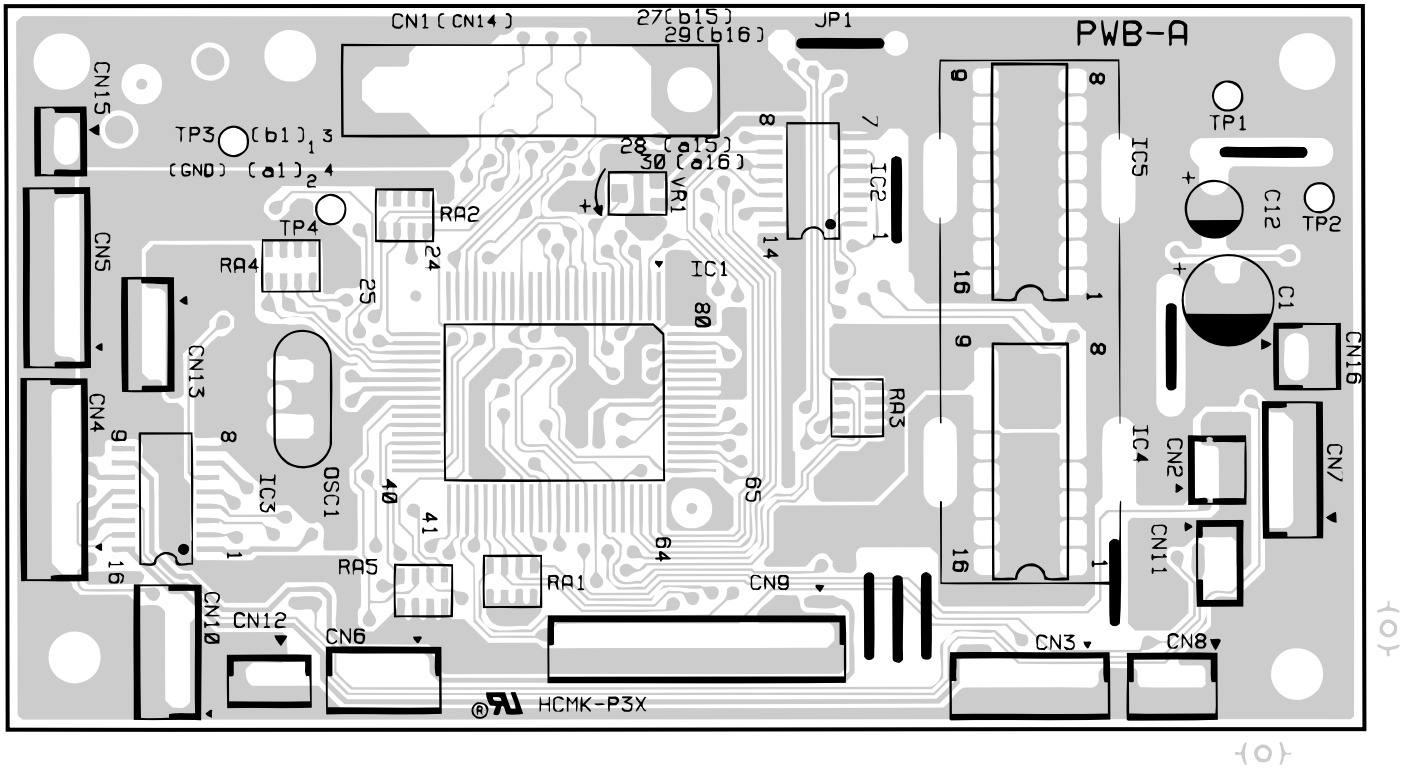
RS232C I/F PWB parts layout (Top side)



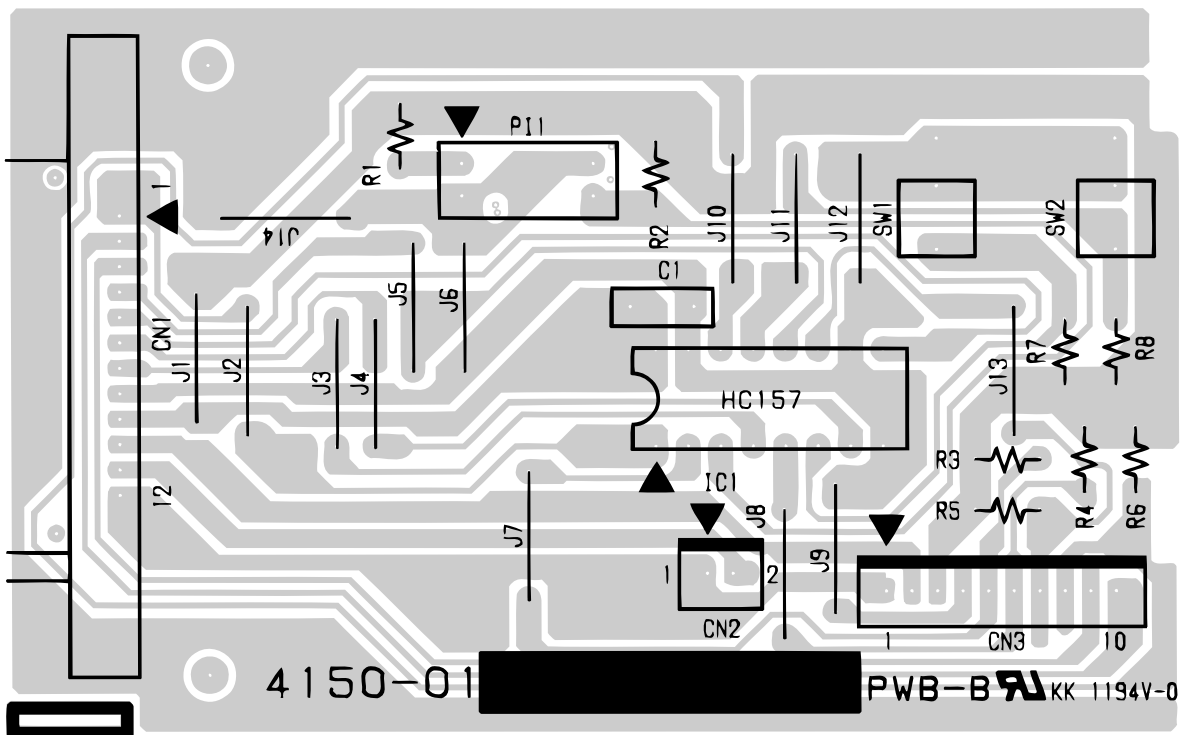
RS232C I/F PWB parts layout (Bottom side)



Printer control PWB parts layout



Printer 2nd transport PWB parts layout



SHARP PARTS GUIDE

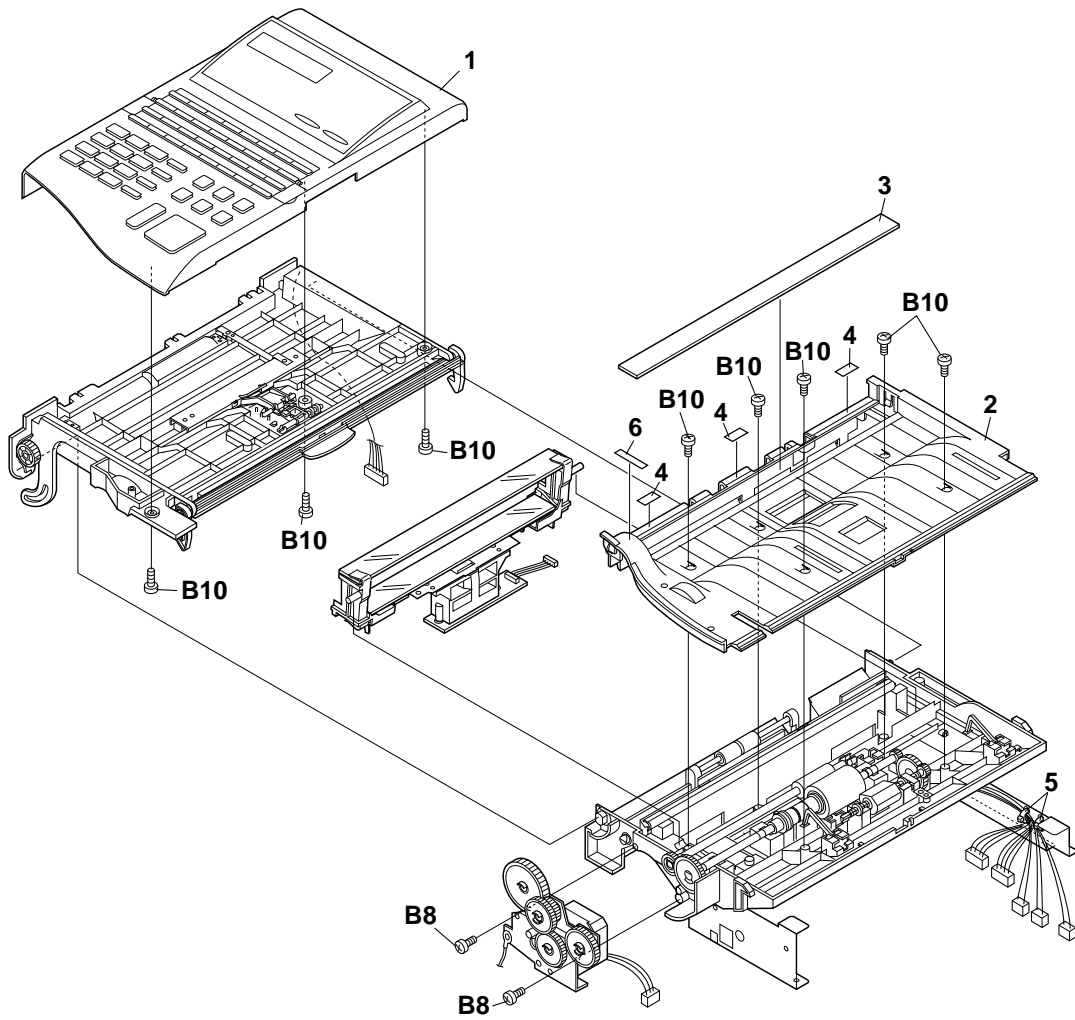
MODEL FO-5500

CONTENTS

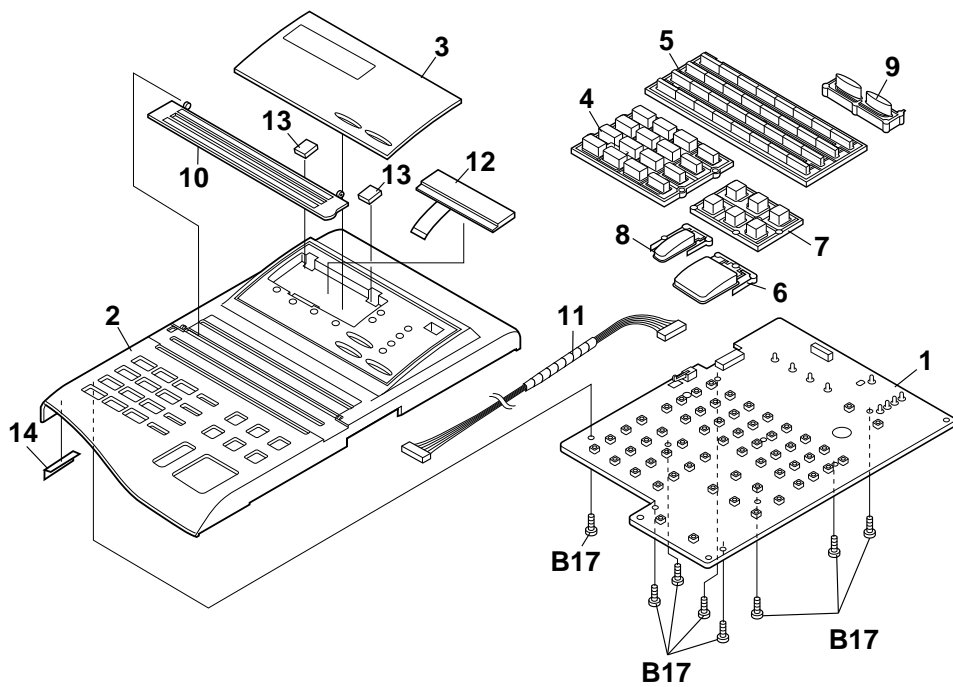
- | | |
|--------------------------------|-----------------------------------|
| 1 Exterior, etc. (1) | 12 Fusing unit |
| 2 Exterior, etc. (2) | 13 2nd transport unit |
| 3 Operation panel unit | 14 Cassette |
| 4 Document guide upper unit | 15 Packing material & Accessories |
| 5 Optical unit | 16 Control PWB unit |
| 6 Drive unit | 17 TEL-Liu PWB unit |
| 7 Scanner frame unit | 18 Power supply PWB unit |
| 8 Housing | 19 RS232C I/F PWB unit |
| 9 Drive/Paper take-up unit (1) | 20 CCD PWB unit |
| 10 Paper take-up unit (2) | 50 Hardware parts |
| 11 Transfer unit | ■ Index |

Because parts marked with "△" is indispensable for the machine safety maintenance and operation, it must be replaced with the parts specific to the product specification.

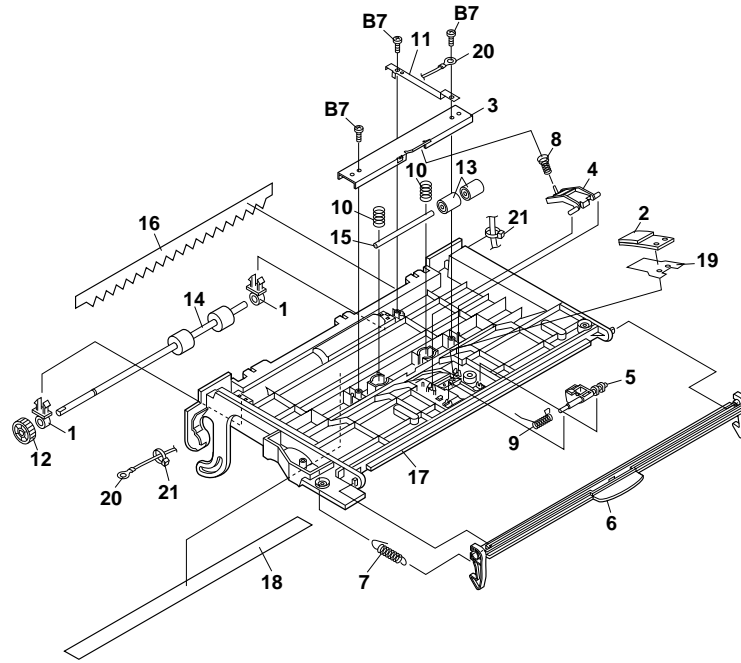
2 Exterior, etc. (2)



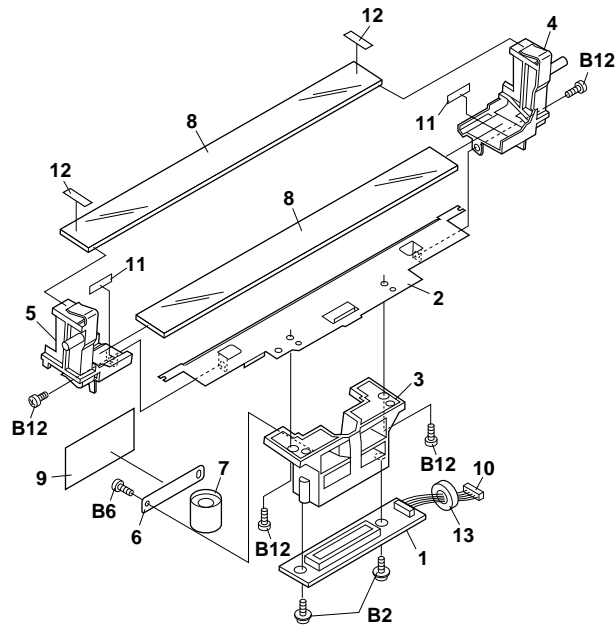
3 Operation panel unit



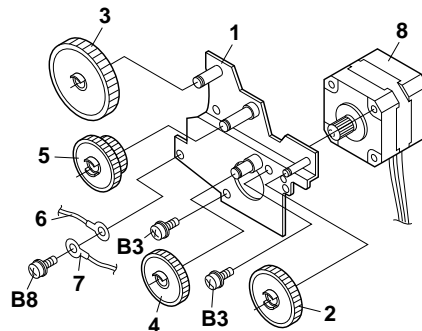
4 Document guide upper unit



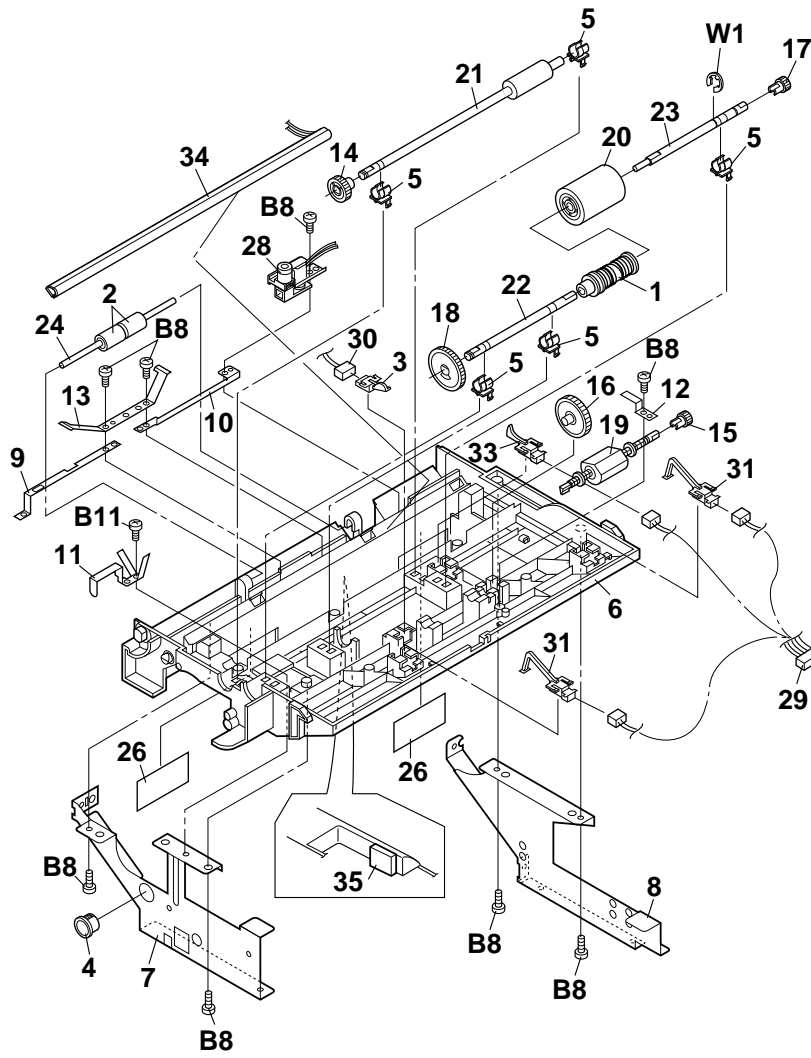
5 Optical unit



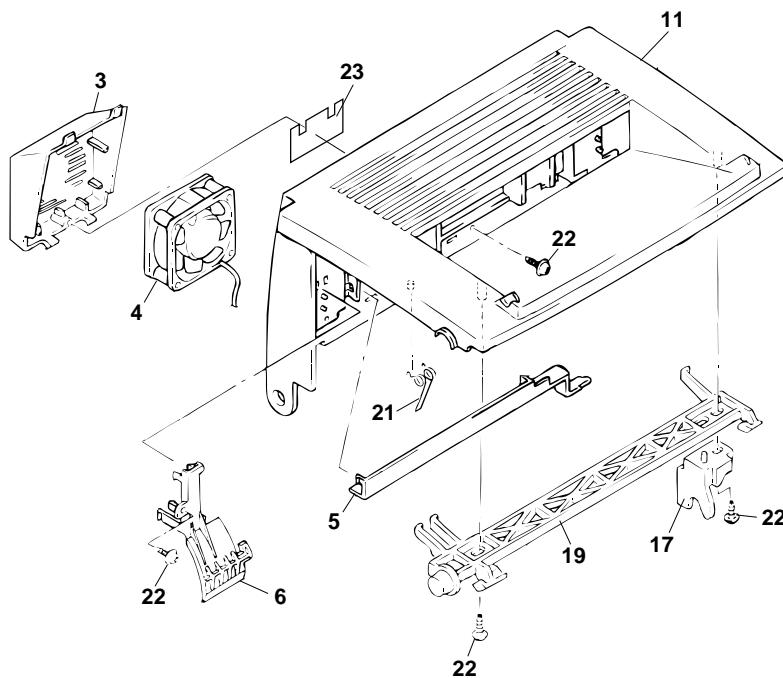
6 Drive unit



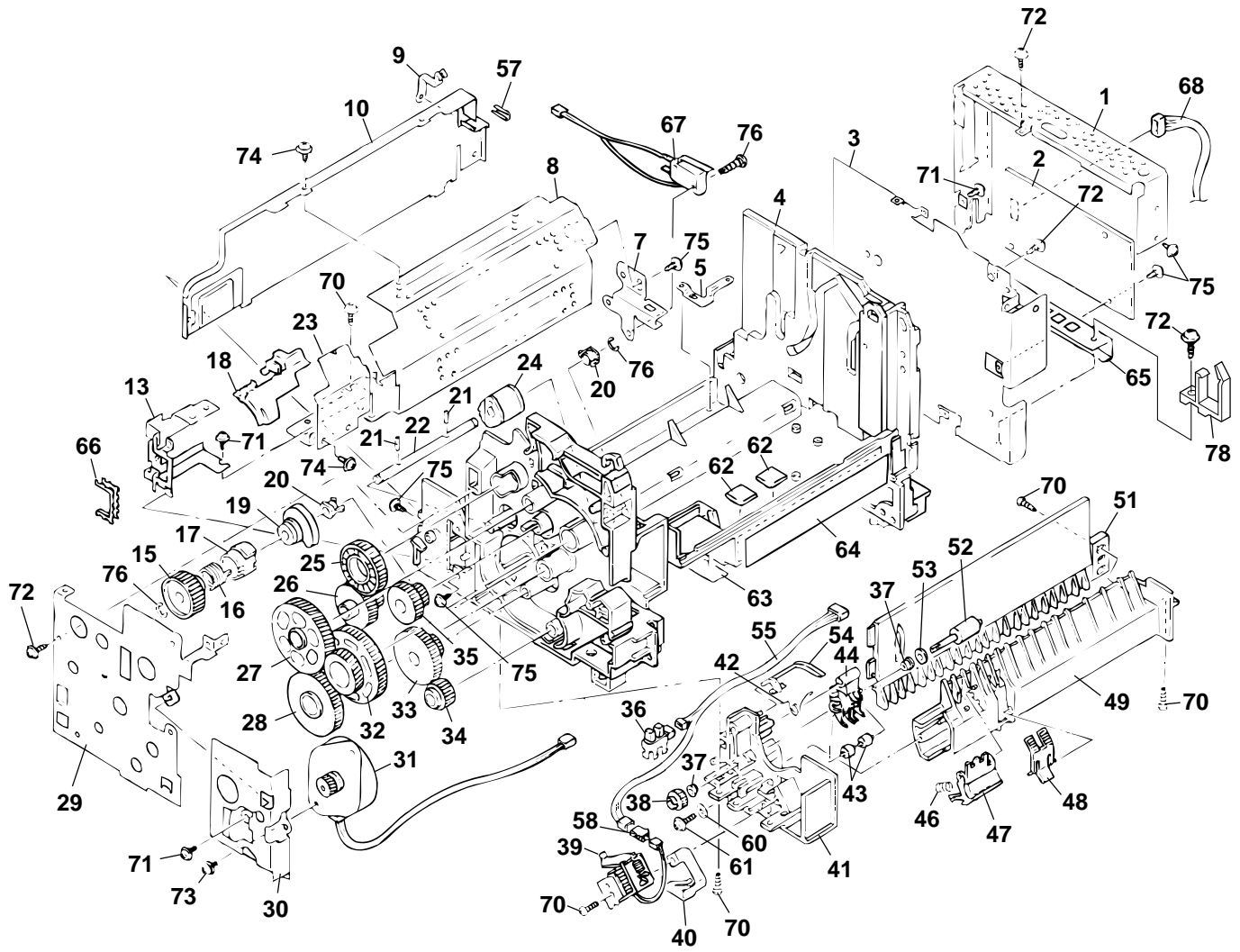
7 Scanner frame unit



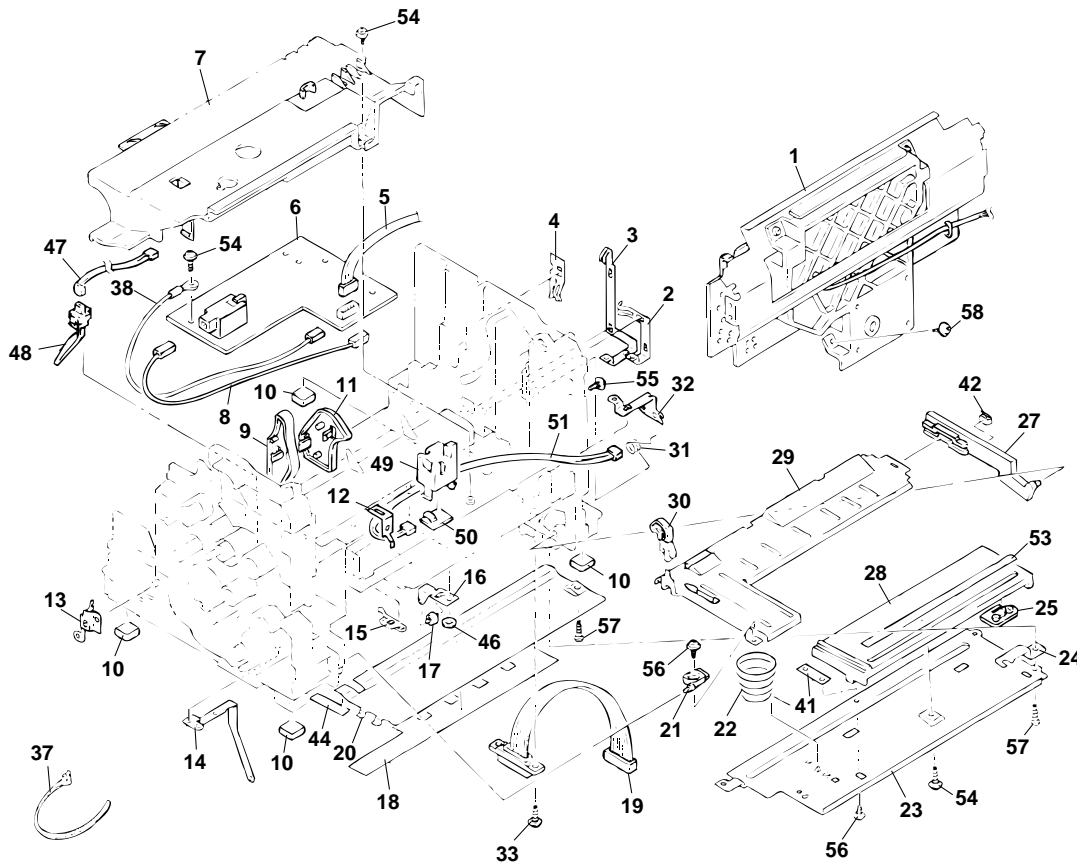
8 Housing unit



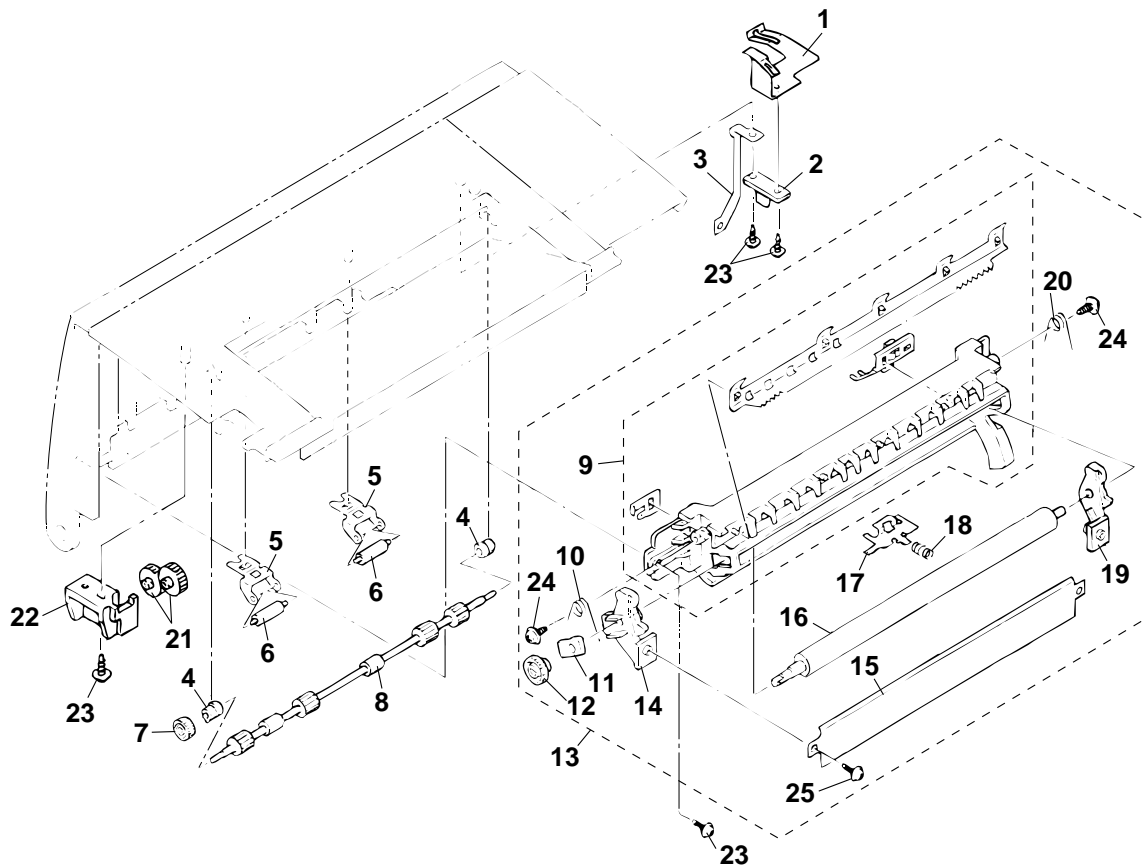
9 Drive/Paper take-up unit (1)



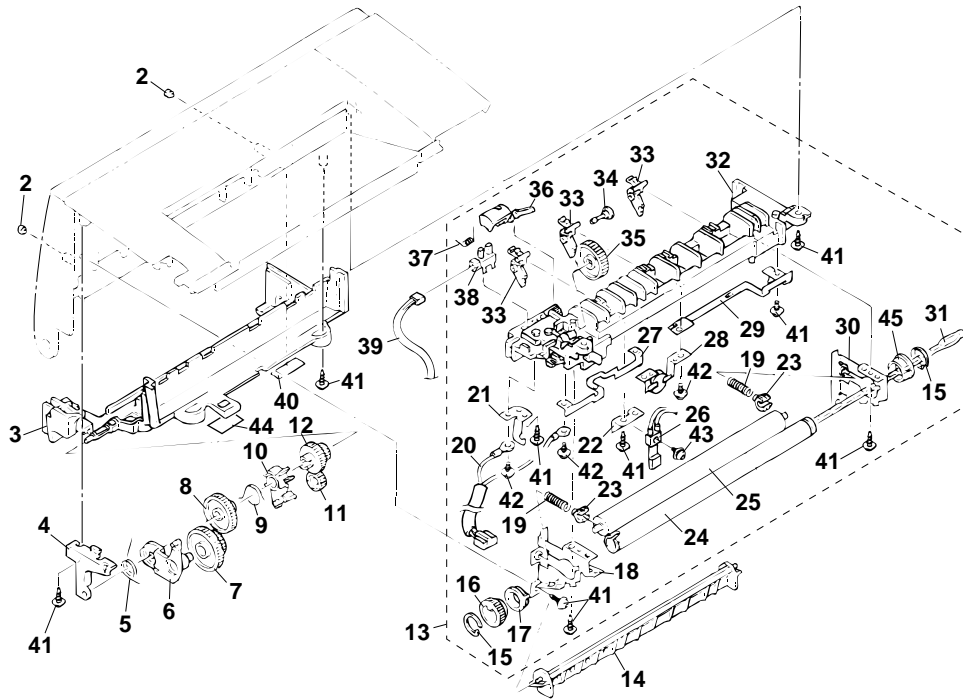
10 Paper take-up unit (2)



11 Transfer unit



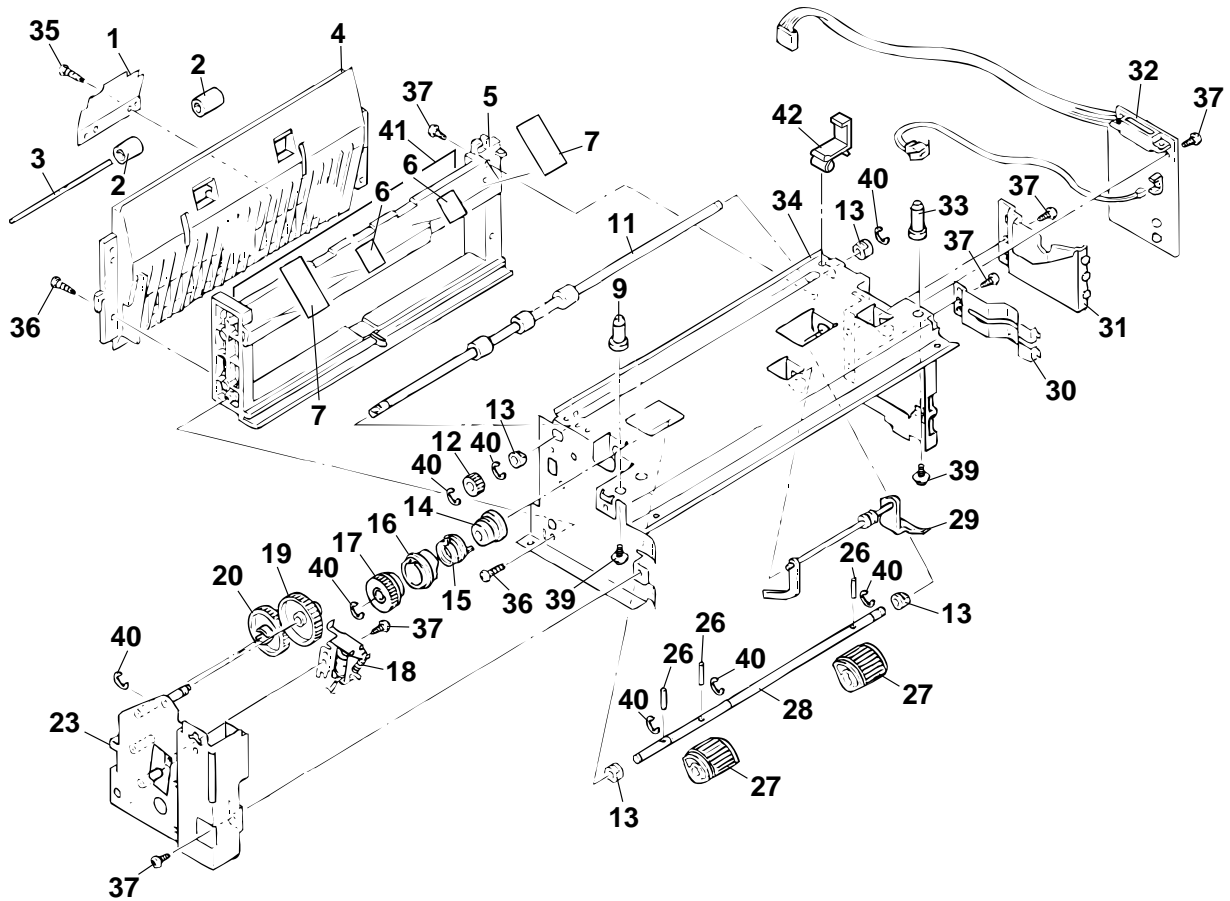
12 Fusing unit



12 Fusing unit

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
2	0KW0992101703	AC	N	C	Pin
3	0KW0992180203	AY	N	C	Cover
4	0KW0992255202	AF	N	C	Holder
5	0KW0992255101	AC	N	C	Torsion spring
6	0KW0992255001	AF	N	C	Arm
7	0KW0992250813	AG	N	C	Gear 20/50T
8	0KW0992250901	AF	N	C	Gear 44T
9	0KW0992251301	AC	N	C	Torsion spring
10	0KW0992251212	AF	N	C	Lever
11	0KW0992251112	AD	N	C	Gear 22T
12	0KW0992251001	AN	N	C	Gear 21/38T
13	0KW0992048303	CD	N	E	Fusing unit
14	0KW0992401503	AH	N	C	Guide
15	0KW0972553101	AE		C	C-Ring
16	0KW0992551201	AL	N	C	Gear 30T
17	0KW0992552101	AH	N	C	Bushing
18	0KW0992553103	AF	N	C	Frame-LFT
19	0KW0992551713	AC	N	C	Pressure spring
20	0KW0992606604	AQ	N	C	Harness
21	0KW0992552401	AD	N	C	Terminal
22	0KW0992563401	AD	N	C	Bracket
23	0KW0957551101	AK	N	C	Bushing
24	0KW0992554001	BF		C	Fusing roller-UPR
25	0KW0992554101	BR		C	Fusing roller-LWR
26	0KW0992671501	AZ		B	Thermistor
27	0KW0992562601	AN	N	C	Terminal
28	0KW0992671301	BB		B	Thermostat
29	0KW0992562501	AQ	N	C	Terminal
30	0KW0992553201	AD	N	C	Frame-RT
31	0KW0992650501	BE		B	Tube lamp
32	0KW0992580602	BT	N	C	Holder
33	0KW0992553303	AH	N	C	Separator
34	0KW0957552702	AF		C	Separator roll
35	0KW0992370601	AF	N	C	Gear 40T
36	0KW0992551801	AD	N	C	Actuator
37	0KW0992551901	AC	N	C	Torsion spring
38	0KW9335141031	BA		B	Photo interrupter
39	0KW0992605301	AG	N	C	Harness
40	0KW0992731201	AF	N	D	Label
41	0KW9739030813	AB		C	Screw
42	0KW9646030613	AB		C	Screw
43	0KW9733031013	AB		C	Screw
44	0KW0992180601	AE	N	C	Sheet
45	0KW0992554501	AU	N	C	Bushing

13 2nd transport unit

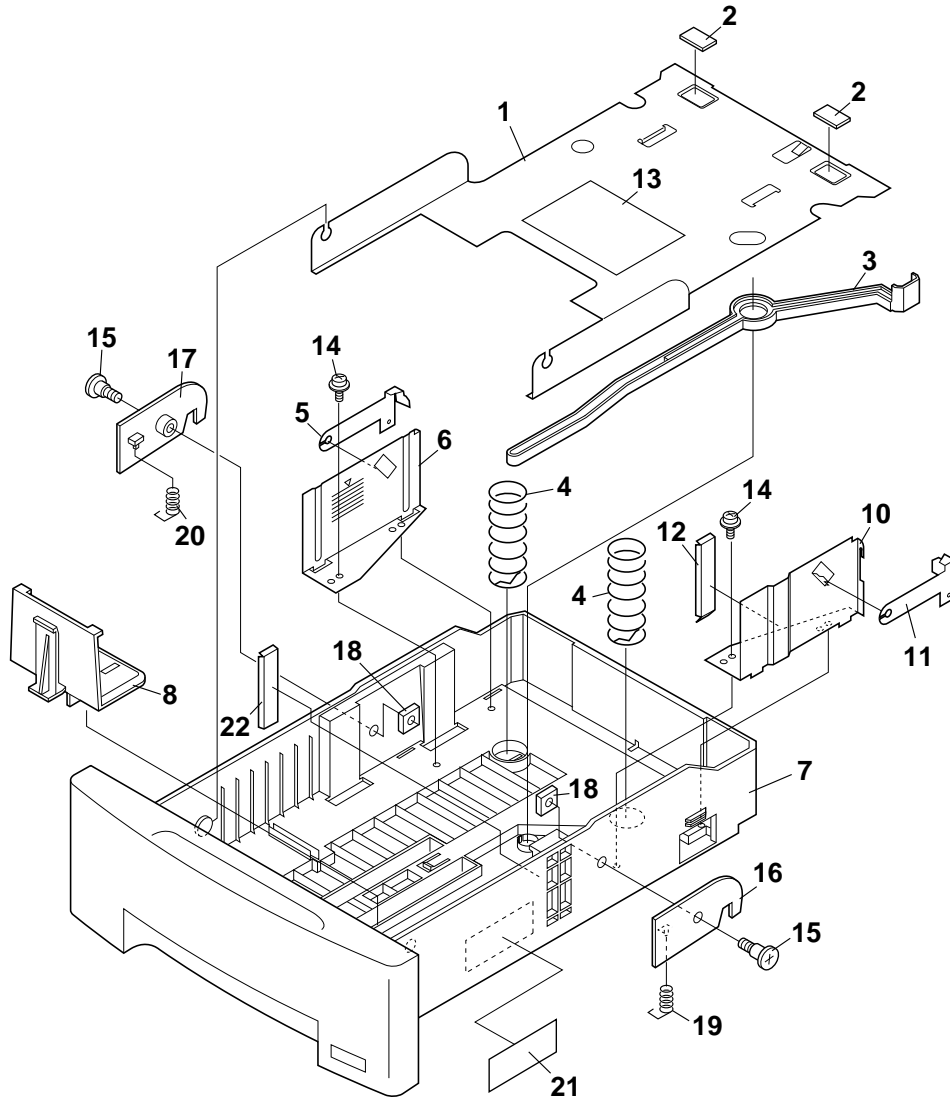


13 2nd Transport unit

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
1	0KW4150181301	AG	N	C	Plate spring
2	0KW0933384002	AF	N	C	Roll
3	0KW0933382612	AH	N	C	Shaft
4	0KW4150180201	AX	N	C	Guide
5	0KW4150180103	AU	N	C	Guide
6	0KW4150184501	AD	N	C	Sheet
7	0KW4150184601	AD	N	C	Sheet
9	0KW4150180901	AP	N	C	Pin
11	0KW4150182001	AV	N	C	Roller
12	0KW0928300602	AG	N	C	Gear 14T
13	0KW1200312003	AD	N	C	Bushing
14	0KW4150183201	AF	N	C	Boss
15	0KW0928301902	AL	N	C	Clutch spring
16	0KW4150183101	AG	N	C	Holder
17	0KW4150183301	AF	N	C	Gear 18T
18	0KW4150620101	BT		B	Solenoid
19	0KW4150102902	AH	N	C	Gear 13/45T
20	0KW0957251103	AG	N	C	Gear 41T
23	0KW4150020201	AX	N	C	Mounting plate
26	0KW0992304001	AC	N	C	Pin
27	0KW4150104301	AR		C	Roller
28	0KW4150181901	AP	N	C	Shaft
29	0KW4150183602	AH	N	C	Actuator
30	0KW4150181703	AN	N	C	Plate spring
31	0KW4150182201	AL	N	C	Cover
32	0KW4150010103	BS	N	E	2nd. bin PWB
33	0KW4150181001	AP	N	C	Pin
34	0KW4150180303	AY	N	C	Frame
35	0KW9742030813	AB	N	C	Screw
36	0KW9742031013	AB	N	C	Screw
37	0KW9743030813	AB	N	C	Screw
39	0KW9646040813	AC	N	C	Screw
40	0KW9721040001	AB	N	C	Washer
41	0KW4150184701	AF	N	C	Sheet
42	0KW9384131091	AC	N	C	Clamp

[PWB-B]

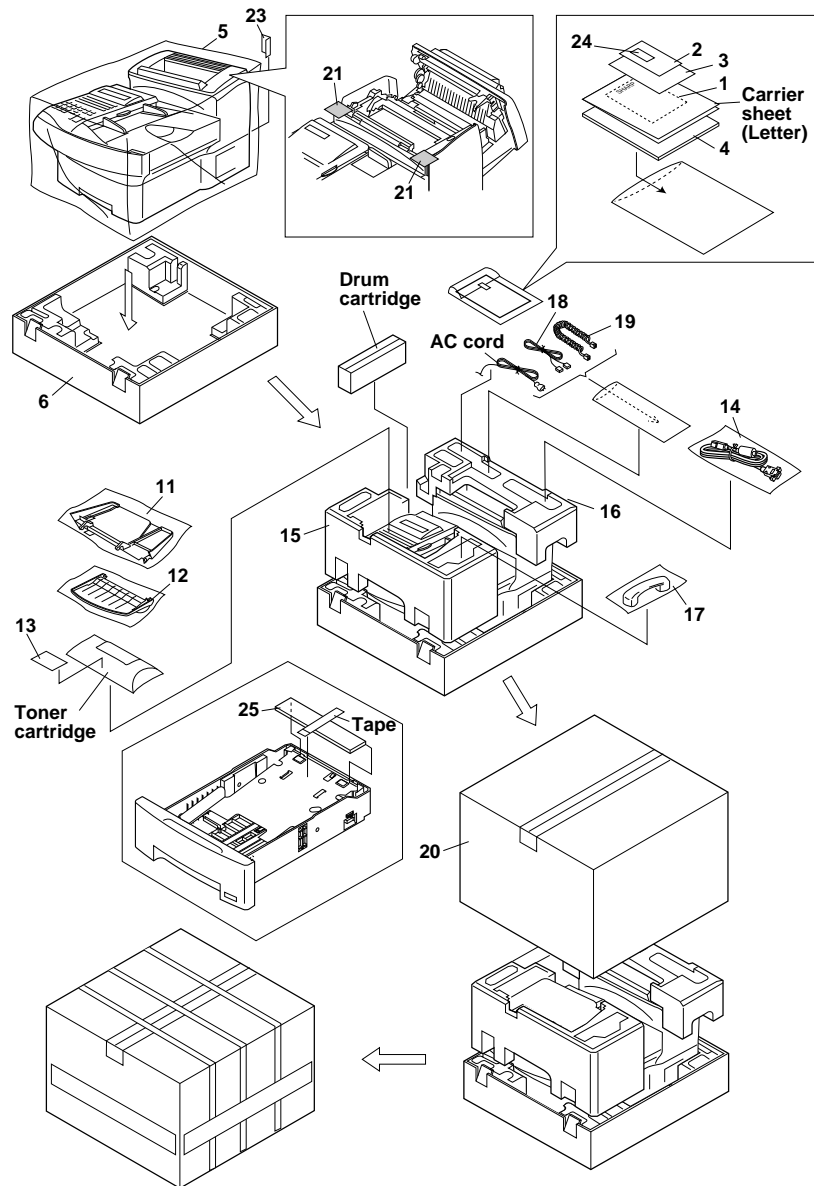
14 Cassette



14 Cassette

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
1	0KW4150180702	BA	N	C	Lifting plate
2	0KW4150180801	AD	N	C	Pad
3	0KW4150181801	AQ	N	C	Lever
4	0KW4150182402	AL	N	C	Pressure spring
5	0KW0933392201	AN	N	C	Separator
6	0KW0933390202	AT	N	C	Regulating plate
7	0KW4150182503	BK	N	C	Cassette body
8	0KW4150181502	AN	N	C	Guide
10	0KW0933390302	AT	N	C	Regulating plate
11	0KW0933392301	AN	N	C	Separator
12	0KW4150182701	AH	N	C	Guide
13	0KW4150731301	AF	N	D	Label
14	0KW9739030813	AB		C	Screw
15	LX-BZ0175FCZZ	AB		C	Screw
16	MLEVP2242SCRZ	AF	N	C	Cassette lock lever, right
17	MLEVP2242SCLZ	AF	N	C	Cassette lock lever, left
18	PSPAZ0584FCZZ	AA		C	Plate nut
19	MSPRC2888SCZZ	AC	N	C	Lever return spring, right
20	MSPRC2889SCZZ	AD	N	C	Lever return spring, left
21	TLABH4065SCZZ	AD	N	D	Lever label
22	0KW4150182801	AE	N	C	Guide

15 Packing material & Accessories



15 Packing material & Accessories

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
1	TCADZ2136SCZZ	AB		D	Explanation card
2	TLABP3937SCZZ	AE	N	D	Paper size label
3	TLABZ3935SCZZ	AE	N	D	Rapid key labels
4	TINSE3598SCZZ	AS	N	D	Operation manual [U]
	TINSK3635SCZZ	BU	N	D	Operation manual [C]
5	SPAKP4946SCZZ	AP	N	D	Vinyl cover
6	CPAKA4863SC01	AZ	N	D	Packing case, bottom ass'y
11	CPLTP2803SC01	AU	N	C	Document tray ass'y
12	CPLTP2805SC01	AQ	N	C	Paper tray ass'y
13	TLABZ4016SCZZ	AD	N	D	IC component label [U]
14	QCNW-4320SCZZ	BB		C	RS232C I/F cable
15	SPAKA4861SCZZ	AQ	N	D	Packing add., top, right
16	SPAKA4944SCZZ	AR	N	D	Packing add., top, left
17	DUNTK4925XHW2	AY		E	Handset
18	QCNW-3975XHGY	AG		C	Telephone line cord [U]
	QCNW-3247SCZZ	AH		C	Telephone line cord [C]
19	QCNW-3976XHOG	AT		C	Handset cord
20	SPAKC4938SCZZ	AW	N	D	Packing case, top [U]
	SPAKC4984SCZZ	AW	N	D	Packing case, top [C]
21	SPAKA4996SCZZ	AC	N	D	Printer sheet
23	SPAKA006ASCZZ	AC	N	C	Sheet
24	TLABH4074SCZZ	AD	N	D	Label [C]
25	SPAKA010ASCZZ	AC	N	D	Cassette pad

16 Control PWB unit

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
1	UBAT-A005PRE0	AN	N	B	Battery [BAT1]
2	VCEAEA1CW106M	AC		C	Capacitor(16WV 10μF) [C2]
3	VCEAEA1EW226M	AA		C	Capacitor(25WV 22μF) [C3]
4	VCEAEA1HW476M	AC		C	Capacitor(50WV 47μF) [C5]
5	VCEAEA1HW476M	AC		C	Capacitor(50WV 47μF) [C6]
6	VCEAEA1CW106M	AC		C	Capacitor(16WV 10μF) [C7]
7	VCEAEA1HW474M	AA		C	Capacitor(50WV 0.47μF) [C8]
8	VCEAEA1EW475M	AA		C	Capacitor(25WV 4.7μF) [C9]
9	VCEAEA1CW336M	AB		C	Capacitor(16WV 33μF) [C10]
10	VCEAEA1CW336M	AB		C	Capacitor(16WV 33μF) [C11]
11	VCEAEA1CW336M	AB		C	Capacitor(16WV 33μF) [C12]
12	VCEAEA1CW336M	AB		C	Capacitor(16WV 33μF) [C13]
13	VCEAEA1CW336M	AB		C	Capacitor(16WV 33μF) [C14]
14	VCEAEA1EW476M	AB		C	Capacitor(25WV 47μF) [C15]
15	VCEAEA1CW336M	AB		C	Capacitor(16WV 33μF) [C16]
16	VCEAEA1CW336M	AB		C	Capacitor(16WV 33μF) [C17]
17	VCKYTV1CF105Z	AB		C	Capacitor(16WV 1.0μF) [C100]
18	VCCSTV1HL102J	AA		C	Capacitor(50WV 1000PF) [C101]
19	VCKYTV1EF104Z	AA		C	Capacitor(25WV 0.10μF) [C102]
20	VCKYTV1EF104Z	AA		C	Capacitor(25WV 0.10μF) [C103]
21	VCKYTV1EF104Z	AA		C	Capacitor(25WV 0.10μF) [C104]
22	VCKYTV1EF104Z	AA		C	Capacitor(25WV 0.10μF) [C105]
23	VCKYTV1EF104Z	AA		C	Capacitor(25WV 0.10μF) [C106]
24	VCCSTV1HL102J	AA		C	Capacitor(50WV 1000PF) [C107]
25	VCCSTV1HL391J	AA		C	Capacitor(50WV 390PF) [C108]
26	VCKYTV1CF105Z	AB		C	Capacitor(16WV 1.0μF) [C109]
27	VCKYTV1EB104K	AA		C	Capacitor(25WV 0.10μF) [C110]
28	VCKYTV1EB104K	AA		C	Capacitor(25WV 0.10μF) [C111]
29	VCKYTV1EF104Z	AA		C	Capacitor(25WV 0.10μF) [C112]
30	VCKYTV1CF105Z	AB		C	Capacitor(16WV 1.0μF) [C113]
31	VCKYTV1EF104Z	AA		C	Capacitor(25WV 0.10μF) [C114]
32	VCKYTV1EF104Z	AA		C	Capacitor(25WV 0.10μF) [C116]
33	VCKYTV1EF104Z	AA		C	Capacitor(25WV 0.10μF) [C117]
34	VCKYTV1EF104Z	AA		C	Capacitor(25WV 0.10μF) [C118]
35	VCKYTV1EF104Z	AA		C	Capacitor(25WV 0.10μF) [C119]
36	VCKYTV1EF104Z	AA		C	Capacitor(25WV 0.10μF) [C120]
37	VCCCTV1HH100D	AA		C	Capacitor(50WV 10PF) [C121]
38	VCKYTV1HB222K	AA		C	Capacitor(50WV 2200PF) [C122]
39	VCKYTV1CF105Z	AB		C	Capacitor(16WV 1.0μF) [C123]
40	VCKYTV1EF104Z	AA		C	Capacitor(25WV 0.10μF) [C124]
41	VCKYTV1EF104Z	AA		C	Capacitor(25WV 0.10μF) [C125]
42	VCKYTV1EF104Z	AA		C	Capacitor(25WV 0.10μF) [C126]
43	VCKYTV1EF104Z	AA		C	Capacitor(25WV 0.10μF) [C127]
44	VCCCTV1HH100D	AA		C	Capacitor(50WV 10PF) [C130]
45	VCKYTV1CF105Z	AB		C	Capacitor(16WV 1.0μF) [C131]
46	VCKYTV1EF104Z	AA		C	Capacitor(25WV 0.10μF) [C132]
47	VCKYTV1EF104Z	AA		C	Capacitor(25WV 0.10μF) [C133]
48	VCKYTV1HB222K	AA		C	Capacitor(50WV 2200PF) [C134]
49	VCKYTV1EF104Z	AA		C	Capacitor(25WV 0.10μF) [C136]
50	VCCCTV1HH100D	AA		C	Capacitor(50WV 10PF) [C137]
51	VCCCTV1HH100D	AA		C	Capacitor(50WV 10PF) [C139]
52	VCKYTV1EF104Z	AA		C	Capacitor(25WV 0.10μF) [C140]
53	VCKYTV1HB222K	AA		C	Capacitor(50WV 2200PF) [C141]
54	VCKYTV1HF104Z	AA		C	Capacitor(50WV 0.1μF) [C142]
55	VCKYTV1HB821K	AA		C	Capacitor(50WV 820PF) [C143]
56	VCCCTV1HH101J	AA		C	Capacitor(50WV 100PF) [C144]
57	VCCSTV1HL102J	AA		C	Capacitor(50WV 1000PF) [C145]
58	VCCCTV1HH300J	AA		C	Capacitor(50WV 30PF) [C146]
59	VCCCTV1HH300J	AA		C	Capacitor(50WV 30PF) [C147]
60	VCKYTV1EF104Z	AA		C	Capacitor(25WV 0.10μF) [C148]
61	VCKYTV1EF104Z	AA		C	Capacitor(25WV 0.10μF) [C149]
62	VCKYTV1HB222K	AA		C	Capacitor(50WV 2200PF) [C151]
63	VCKYTV1EF104Z	AA		C	Capacitor(25WV 0.10μF) [C152]
64	VCKYTV1HB222K	AA		C	Capacitor(50WV 2200PF) [C153]
65	VCKYTV1EF104Z	AA		C	Capacitor(25WV 0.10μF) [C154]
66	VCKYTV1EF104Z	AA		C	Capacitor(25WV 0.10μF) [C155]
67	VCKYTV1HB821K	AA		C	Capacitor(50WV 820PF) [C156]
68	VCKYTV1EF104Z	AA		C	Capacitor(25WV 0.10μF) [C157]
69	VCKYTV1HB222K	AA		C	Capacitor(50WV 2200PF) [C160]
70	VCKYTV1HB222K	AA		C	Capacitor(50WV 2200PF) [C161]
71	VCKYTV1HB222K	AA		C	Capacitor(50WV 2200PF) [C162]
72	VCKYTV1HB222K	AA		C	Capacitor(50WV 2200PF) [C163]
73	VCKYTV1HB222K	AA		C	Capacitor(50WV 2200PF) [C164]
74	VCKYTV1HB222K	AA		C	Capacitor(50WV 2200PF) [C165]
75	VCKYTV1HB222K	AA		C	Capacitor(50WV 2200PF) [C166]
76	VCKYTV1HB222K	AA		C	Capacitor(50WV 2200PF) [C167]
77	VCKYTV1EF104Z	AA		C	Capacitor(25WV 0.10μF) [C168]
78	VCKYTV1EF104Z	AA		C	Capacitor(25WV 0.10μF) [C169]
79	VCKYTV1EF104Z	AA		C	Capacitor(25WV 0.10μF) [C170]
80	VCKYTV1HB222K	AA		C	Capacitor(50WV 2200PF) [C171]

16 Control PWB unit

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION	
81	VCKYTV1HB222K	AA		C	Capacitor(50WV 2200PF)	[C172]
82	VCKYTV1HB222K	AA		C	Capacitor(50WV 2200PF)	[C173]
83	VCKYTV1HB222K	AA		C	Capacitor(50WV 2200PF)	[C174]
84	VCKYTV1HB222K	AA		C	Capacitor(50WV 2200PF)	[C175]
85	VCKYTV1HB222K	AA		C	Capacitor(50WV 2200PF)	[C177]
86	VCKYTV1CF105Z	AB		C	Capacitor(16WV 1.0μF)	[C178]
87	VCKYTV1EF104Z	AA		C	Capacitor(25WV 0.10μF)	[C179]
88	VCKYTV1HB222K	AA		C	Capacitor(50WV 2200PF)	[C180]
89	VCKYTV1HF104Z	AA		C	Capacitor(50WV 0.1μF)	[C181]
90	VCKYTV1HB821K	AA		C	Capacitor(50WV 820PF)	[C182]
91	VCKYTV1HB222K	AA		C	Capacitor(50WV 2200PF)	[C183]
92	VCKYTV1EF104Z	AA		C	Capacitor(25WV 0.10μF)	[C184]
93	VCKYTV1HB821K	AA		C	Capacitor(50WV 820PF)	[C185]
94	VCKYTV1EF104Z	AA		C	Capacitor(25WV 0.10μF)	[C186]
95	VCKYTV1EF104Z	AA		C	Capacitor(25WV 0.10μF)	[C187]
96	VCKYTV1HB222K	AA		C	Capacitor(50WV 2200PF)	[C190]
97	VCCCTV1HH100D	AA		C	Capacitor(50WV 10PF)	[C191]
98	VCCCTV1HH100D	AA		C	Capacitor(50WV 10PF)	[C192]
99	VCKYTV1HB222K	AA		C	Capacitor(50WV 2200PF)	[C193]
100	VCKYTV1EF104Z	AA		C	Capacitor(25WV 0.10μF)	[C195]
101	VCKYTV1EF104Z	AA		C	Capacitor(25WV 0.10μF)	[C196]
102	VCKYTV1HB222K	AA		C	Capacitor(50WV 2200PF)	[C197]
103	VCKYTV1EF104Z	AA		C	Capacitor(25WV 0.10μF)	[C198]
104	VCCSTV1HL102J	AA		C	Capacitor(50WV 1000PF)	[C199]
105	VCCSTV1HL102J	AA		C	Capacitor(50WV 1000PF)	[C200]
106	VCKYTV1EB104K	AA		C	Capacitor(25WV 0.10μF)	[C201]
107	VCKYTV1EF104Z	AA		C	Capacitor(25WV 0.10μF)	[C202]
108	VCKYTV1EF104Z	AA		C	Capacitor(25WV 0.10μF)	[C203]
109	VCCCTV1HH6R0C	AB		C	Capacitor(50WV 6.0PF)	[C204]
110	VCCCTV1HH6R0C	AB		C	Capacitor(50WV 6.0PF)	[C205]
111	VCKYTV1EF104Z	AA		C	Capacitor(25WV 0.10μF)	[C215]
112	VCKYTV1HB222K	AA		C	Capacitor(50WV 2200PF)	[C220]
113	VCKYTV1EF104Z	AA		C	Capacitor(25WV 0.10μF)	[C222]
114	VCKYTV1CF105Z	AB		C	Capacitor(16WV 1.0μF)	[C223]
115	VCCCTV1HH6R0C	AB		C	Capacitor(50WV 6.0PF)	[C224]
116	VCKYTV1EF104Z	AA		C	Capacitor(25WV 0.10μF)	[C225]
117	VCKYTV1EF104Z	AA		C	Capacitor(25WV 0.10μF)	[C226]
118	VCKYTV1EF104Z	AA		C	Capacitor(25WV 0.10μF)	[C227]
119	VCKYTV1EF104Z	AA		C	Capacitor(25WV 0.10μF)	[C228]
120	VCKYTV1EF104Z	AA		C	Capacitor(25WV 0.10μF)	[C229]
121	VCKYTV1CF105Z	AB		C	Capacitor(16WV 1.0μF)	[C230]
122	VCKYTV1EF104Z	AA		C	Capacitor(25WV 0.10μF)	[C231]
123	VCKYTV1EF104Z	AA		C	Capacitor(25WV 0.10μF)	[C232]
124	VCKYTV1EF104Z	AA		C	Capacitor(25WV 0.10μF)	[C233]
125	VCCSTV1HL102J	AA		C	Capacitor(50WV 1000PF)	[C234]
126	VCKYTV1EF104Z	AA		C	Capacitor(25WV 0.10μF)	[C235]
127	VCKYTV1EF104Z	AA		C	Capacitor(25WV 0.10μF)	[C236]
128	VCKYTV1EF104Z	AA		C	Capacitor(25WV 0.10μF)	[C237]
129	VCKYTV1EF104Z	AA		C	Capacitor(25WV 0.10μF)	[C241]
130	VCKYTV1EF104Z	AA		C	Capacitor(25WV 0.10μF)	[C242]
131	VCKYTV1EF104Z	AA		C	Capacitor(25WV 0.10μF)	[C243]
132	VCKYTV1EF104Z	AA		C	Capacitor(25WV 0.10μF)	[C244]
133	VCKYTV1EF104Z	AA		C	Capacitor(25WV 0.10μF)	[C246]
134	VCKYTV1EF104Z	AA		C	Capacitor(25WV 0.10μF)	[C247]
135	VCKYTV1EF104Z	AA		C	Capacitor(25WV 0.10μF)	[C248]
136	VCKYTV1EF104Z	AA		C	Capacitor(25WV 0.10μF)	[C249]
137	VCKYTV1EF104Z	AA		C	Capacitor(25WV 0.10μF)	[C250]
138	VCKYTV1EF104Z	AA		C	Capacitor(25WV 0.10μF)	[C251]
139	VCKYTV1EF104Z	AA		C	Capacitor(25WV 0.10μF)	[C252]
140	VCKYTV1EF104Z	AA		C	Capacitor(25WV 0.10μF)	[C256]
141	VCKYTV1EF104Z	AA		C	Capacitor(25WV 0.10μF)	[C257]
142	VCKYTV1EF104Z	AA		C	Capacitor(25WV 0.10μF)	[C258]
143	VCKYTV1CF105Z	AB		C	Capacitor(16WV 1.0μF)	[C259]
144	VCKYTV1HB222K	AA		C	Capacitor(50WV 2200PF)	[C260]
145	VCCSTV1HL102J	AA		C	Capacitor(50WV 1000PF)	[C262]
146	VCKYTV1HB472K	AA		C	Capacitor(50WV 4700PF)	[C266]
147	VCKYTV1HB103K	AB		C	Capacitor(50WV 0.01μF)	[C267]
148	VCKYTV1CF105Z	AB		C	Capacitor(16WV 1.0μF)	[C268]
149	VCKYTV1CF105Z	AB		C	Capacitor(16WV 1.0μF)	[C269]
150	QCNCM7014SC0H	AB		C	Connector(8pin)	[CNCCD]
151	QCNCM2401SC0B	AA		C	Connector(2pin)	[CNLED]
152	QCNCW2436SC2F	AG		C	Connector(26pin)	[CNLIU]
153	QCNCM2525SC5J	AK	N	C	Connector(50PIN)	[CNOP]
154	QCNCM2482SC2D	AB		C	Connector(24pin)	[CNPN]
155	QCNCM2524SC3B	AP	N	C	Connector(32PIN)	[CNPRT]
156	QCNCM7014SC1B	AD		C	Connector(12pin)	[CNPW]
157	QCNCM2442SC0B	AB		C	Connector(2pin)	[CNROL]
158	QCNCM2482SC1H	AE		C	Connector(18pin)	[CNRS]
159	QCNCM7014SC0F	AB		C	Connector(6pin)	[CNSEN]
160	QCNCM7014SC0B	AD		C	Connector(2pin)	[CNSTP]

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NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION	
161	QCNCM7014SC0D	AB		C	Connector(4pin)	[CNTXM]
162	VHD1SS355/-1	AB		B	Diode(1SS355)	[D100]
163	VHD1SS355/-1	AB		B	Diode(1SS355)	[D102]
164	VHDDAP202U/-1	AB		B	Diode(DAP202U)	[D103]
165	VHDRB411D//-1	AD	N	B	Diode(RB411D)	[D104]
166	VHD1SS355/-1	AB		B	Diode(1SS355)	[D105]
167	VHDRB411D//-1	AD	N	B	Diode(RB411D)	[D110]
168	VHDRB411D//-1	AD	N	B	Diode(RB411D)	[D111]
169	VHDRB411D//-1	AD	N	B	Diode(RB411D)	[D112]
170	VHDRB411D//-1	AD	N	B	Diode(RB411D)	[D113]
171	VHDRB411D//-1	AD	N	B	Diode(RB411D)	[D114]
172	VHDRB411D//-1	AD	N	B	Diode(RB411D)	[D115]
173	VHDRB411D//-1	AD	N	B	Diode(RB411D)	[D116]
174	VHDRB411D//-1	AD	N	B	Diode(RB411D)	[D117]
175	VHDRB411D//-1	AD	N	B	Diode(RB411D)	[D118]
176	VHDRB411D//-1	AD	N	B	Diode(RB411D)	[D119]
177	VHDRB411D//-1	AD	N	B	Diode(RB411D)	[D120]
178	VHDRB411D//-1	AD	N	B	Diode(RB411D)	[D121]
179	VHDRB411D//-1	AD	N	B	Diode(RB411D)	[D122]
180	VHDRB411D//-1	AD	N	B	Diode(RB411D)	[D123]
181	VHDRB411D//-1	AD	N	B	Diode(RB411D)	[D124]
182	VHDRB411D//-1	AD	N	B	Diode(RB411D)	[D125]
183	VHDRB411D//-1	AD	N	B	Diode(RB411D)	[D126]
184	VHDRB411D//-1	AD	N	B	Diode(RB411D)	[D127]
185	VHDRB411D//-1	AD	N	B	Diode(RB411D)	[D128]
186	VHDRB411D//-1	AD	N	B	Diode(RB411D)	[D129]
187	VHDRB411D//-1	AD	N	B	Diode(RB411D)	[D130]
188	VHDRB411D//-1	AD	N	B	Diode(RB411D)	[D131]
189	VHDRB411D//-1	AD	N	B	Diode(RB411D)	[D148]
190	VHDRB411D//-1	AD	N	B	Diode(RB411D)	[D149]
191	VHDRB411D//-1	AD	N	B	Diode(RB411D)	[D150]
192	VHVCCP2E30/-1	AE	N	B	IC protector(CCP2E30)	[F1]
193	VHVCCP2E30/-1	AE	N	B	IC protector(CCP2E30)	[F2]
194	VHVCCP2E20/-1	AE	N	B	IC protector(CCP2E20)	[F3]
195	QSOCZ2051SC32	AC		C	IC socket(32pin)	[IC1]
	VHI27040FAN1G	BH		B	IC ROM(27C040FAN1G)	[IC11]
197	VHI58512M10-1	BA	N	B	IC(CXK58512-10LL)	[IC3]
198	VHIR144AFXL/1	BM		B	IC(R144EFXL)	[IC4]
199	QSOCZ2051SC32	AC		C	IC socket(32pin)	[IC5]
	VHI27040FAN0G	BH		B	IC ROM(27C040FAN0G)	[IC5]
201	VHILH28F80S10	BH	N	B	IC(LH28F80SUT)	[IC6]
202	VHI4M16SOJ-70	BG	N	B	IC(514260-70J)	[IC7]
203	VHI58512M10-1	BA	N	B	IC(CXK58512-10LL)	[IC8]
204	VHI4M8SOJ-70/	BB	N	B	IC(514800-70J)	[IC9]
205	VHI4M16SOJ-70	BG	N	B	IC(514260-70J)	[IC10]
206	VHI4M8SOJ-70/	BB	N	B	IC(514800-70J)	[IC11]
207	VHIH647702120	BS	N	B	IC(HD6477021)	[IC12]
208	VHIPBL3717/-2	AL		B	IC(PBL3717/2)	[IC13]
209	VHID813201F1	BE	N	B	IC(HD813201F)	[IC14]
210	VHILZ9FJ37/-1	AY	N	B	IC(LZ9FJ37A)	[IC15]
211	VHILR38292/-1	AY	N	B	IC(LR38292)	[IC16]
212	VHIPBL3717/-2	AL		B	IC(PBL3717/2)	[IC17]
213	VHILH5116NA10	AL		B	IC(LH5116NA-10)	[IC19]
214	VHILH5268TH10	AR		B	IC(LH5268)	[IC20]
215	VHILH5268TH10	AR		B	IC(LH5268)	[IC21]
216	VHITLS1049/-1	AV		B	IC(TLS1049)	[IC22]
217	VHINJM2904M-1	AE		B	IC(NJM2904M)	[IC100]
218	VHINJM4558MF-	AC		B	IC(NJM4558M)	[IC101]
219	VHIMC74HC14F-	AD		B	IC(MC74HC14AF)	[IC102]
220	VHIPST591CMT1	AE		B	IC(PST591C)	[IC103]
221	VHISN74LS244NR	AG		B	IC(SN74LS244)	[IC104]
222	VHINJU4051M-1	AG		B	IC(NJU4051BM)	[IC105]
223	VHINJU6355E-1	AM		B	IC(NJU6355M)	[IC106]
224	VHISN74LS374NR	AF		B	IC(SN74LS374)	[IC107]
225	VHIBA10339F-1	AD		B	IC(BA10339F)	[IC109]
226	VHIBU4053BCF1	AE		B	IC(BU4053BCF)	[IC110]
227	VHIN78L05UA-1	AK	N	B	IC(NJU78L05UA)	[IC111]
228	VHIMC74HC04F-	AC		B	IC(MC74HC04AF)	[IC112]
229	VHIMC74HC32F-	AC		B	IC(MC74HC32AF)	[IC113]
230	VHIMC74HC74F-	AD		B	IC(MC74HC74AF)	[IC114]
231	VHIMC74HC08F-	AC		B	IC(MC74HC08AF)	[IC115]
232	VHIMC74HC08F-	AC		B	IC(MC74HC08AF)	[IC116]
233	VHIMC74HC157F	AD		B	IC(MC74HC157AF)	[IC116]
234	VHIMC74HC74F-	AD		B	IC(MC74HC74AF)	[IC117]
235	VRS-TQ2BB000J	AA		C	Resistor(1/8W 0Ω ±5%)	[L100]
236	VRS-TQ2BB000J	AA		C	Resistor(1/8W 0Ω ±5%)	[L101]
237	VRS-TQ2BB000J	AA		C	Resistor(1/8W 0Ω ±5%)	[L102]
238	VRS-TV2AB330J	AD		C	Resistor(1/10W 33Ω ±5%)	[L105]
239	VRS-TV2AB000J	AA		C	Resistor(1/10W 0Ω ±5%)	[L106]
240	VRS-TV2AB000J	AA		C	Resistor(1/10W 0Ω ±5%)	[L108]

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NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION	
241	VRS-TV2AB000J	AA		C	Resistor(1/10W 0Ω ±5%)	[L110]
242	VRS-TV2AB101J	AA		C	Resistor(1/10W 100Ω ±5%)	[L111]
243	VRS-TV2AB101J	AA		C	Resistor(1/10W 100Ω ±5%)	[L112]
244	VRS-TV2AB101J	AA		C	Resistor(1/10W 100Ω ±5%)	[L113]
245	VRS-TV2AB101J	AA		C	Resistor(1/10W 100Ω ±5%)	[L114]
246	VRS-TV2AB101J	AA		C	Resistor(1/10W 100Ω ±5%)	[L115]
247	VRS-TV2AB101J	AA		C	Resistor(1/10W 100Ω ±5%)	[L116]
248	VRS-TV2AB101J	AA		C	Resistor(1/10W 100Ω ±5%)	[L117]
249	VRS-TV2AB101J	AA		C	Resistor(1/10W 100Ω ±5%)	[L118]
250	VRS-TV2AB101J	AA		C	Resistor(1/10W 100Ω ±5%)	[L119]
251	VRS-TV2AB000J	AA		C	Resistor(1/10W 0Ω ±5%)	[L120]
252	VRS-TV2AB000J	AA		C	Resistor(1/10W 0Ω ±5%)	[L121]
253	VRS-TV2AB000J	AA		C	Resistor(1/10W 0Ω ±5%)	[L122]
254	RCILZ2104SCZZ	AK		C	Coil(Z2104)	[L124]
255	RCILZ2104SCZZ	AK		C	Coil(Z2104)	[L125]
256	VS2SD1164/-1	AE		B	Transistor(2SD1164)	[Q1]
257	VSDTA114EK/-1	AB		B	Transistor(DTA114EK)	[Q100]
258	VSDTA114EK/-1	AB		B	Transistor(DTA114EK)	[Q101]
259	VS2SC2413KP-1	AC		B	Transistor(2SC2413K)	[Q102]
260	VSDTC114EK/-1	AB		B	Transistor(DTC114EK)	[Q103]
261	VS2SD1664Q/-1	AD	N	B	Transistor(2SD1664Q)	[Q105]
262	VRS-HT2HAR47J	AB	N	C	Resistor(1/2W 0.47Ω ±5%)	[R1]
263	VRS-HT2HAR47J	AB	N	C	Resistor(1/2W 0.47Ω ±5%)	[R3]
264	VRD-HT2HY910J	AA		C	Resistor(1/2W 91Ω ±5%)	[R6]
265	VRS-TV2AB100J	AD		C	Resistor(1/10W 10Ω ±5%)	[R100]
266	VRS-TV2AB100J	AD		C	Resistor(1/10W 10Ω ±5%)	[R101]
267	VRS-TV2AB100J	AD		C	Resistor(1/10W 10Ω ±5%)	[R102]
268	VRS-TV2AB100J	AD		C	Resistor(1/10W 10Ω ±5%)	[R103]
269	VRS-TV2AB100J	AD		C	Resistor(1/10W 10Ω ±5%)	[R104]
270	VRS-TV2AB100J	AD		C	Resistor(1/10W 10Ω ±5%)	[R105]
271	VRS-TV2AB100J	AD		C	Resistor(1/10W 10Ω ±5%)	[R106]
272	VRS-TV2AB100J	AD		C	Resistor(1/10W 10Ω ±5%)	[R107]
273	VRS-TV2AB103J	AA		C	Resistor(1/10W 10KΩ ±5%)	[R108]
274	VRS-TV2AB103J	AA		C	Resistor(1/10W 10KΩ ±5%)	[R109]
275	VRS-TV2AB103J	AA		C	Resistor(1/10W 10KΩ ±5%)	[R110]
276	VRSTS2AD8662F	AA		C	Resistor(1/10W 86.6KΩ ±1%)	[R111]
277	VRS-TV2AB103J	AA		C	Resistor(1/10W 10KΩ ±5%)	[R112]
278	VRS-TV2AB100J	AD		C	Resistor(1/10W 10Ω ±5%)	[R113]
279	VRS-TV2AB100J	AD		C	Resistor(1/10W 10Ω ±5%)	[R114]
280	VRS-TV2AB100J	AD		C	Resistor(1/10W 10Ω ±5%)	[R115]
281	VRS-TV2AB100J	AD		C	Resistor(1/10W 10Ω ±5%)	[R116]
282	VRS-TV2AB000J	AA		C	Resistor(1/10W 0Ω ±5%)	[R117]
283	VRS-TV2AB000J	AA		C	Resistor(1/10W 0Ω ±5%)	[R119]
284	VRS-TV2AB000J	AA		C	Resistor(1/10W 0Ω ±5%)	[R121]
286	VRS-TV2AB151J	AA	N	C	Resistor(1/10W 150Ω ±5%)	[R123]
287	VRS-TV2AB151J	AA	N	C	Resistor(1/10W 150Ω ±5%)	[R124]
288	VRS-TV2AB100J	AD		C	Resistor(1/10W 10Ω ±5%)	[R125]
289	VRS-TV2AB100J	AD		C	Resistor(1/10W 10Ω ±5%)	[R126]
290	VRS-TV2AB333J	AD		C	Resistor(1/10W 33KΩ ±5%)	[R129]
291	VRS-TV2AB333J	AD		C	Resistor(1/10W 33KΩ ±5%)	[R130]
292	VRSTS2AD8662F	AA		C	Resistor(1/10W 86.6KΩ ±1%)	[R131]
293	VRSTS2AD1742F	AA		C	Resistor(1/10W 17.4KΩ ±1%)	[R132]
294	VRSTS2AD1183F	AA		C	Resistor(1/10W 118KΩ ±1%)	[R133]
295	VRSTS2AD4752F	AA		C	Resistor(1/10W 47.5KΩ ±1%)	[R134]
296	VRS-TV2AB000J	AA		C	Resistor(1/10W 0Ω ±5%)	[R135]
297	VRS-TV2AB302J	AA		C	Resistor(1/10W 3.0KΩ ±5%)	[R136]
298	VRS-TV2AB102J	AA		C	Resistor(1/10W 1.0KΩ ±5%)	[R138]
299	VRS-TV2AB151J	AA	N	C	Resistor(1/10W 150Ω ±5%)	[R139]
300	VRS-TV2AB151J	AA	N	C	Resistor(1/10W 150Ω ±5%)	[R140]
301	VRS-TV2AB151J	AA		C	Resistor(1/10W 150Ω ±5%)	[R141]
302	VRS-TV2AB100J	AD		C	Resistor(1/10W 10Ω ±5%)	[R142]
303	VRS-TV2AB100J	AD		C	Resistor(1/10W 10Ω ±5%)	[R143]
304	VRS-TV2AB100J	AD		C	Resistor(1/10W 10Ω ±5%)	[R144]
305	VRS-TV2AB100J	AD		C	Resistor(1/10W 10Ω ±5%)	[R145]
306	VRS-TV2AB100J	AD		C	Resistor(1/10W 10Ω ±5%)	[R146]
307	RCORF2091SCZZ	AD	N	C	Coil	[R147]
308	VRS-TV2AB103J	AA		C	Resistor(1/10W 10KΩ ±5%)	[R148]
309	VRS-TV2AB103J	AA		C	Resistor(1/10W 10KΩ ±5%)	[R149]
310	VRS-TV2AB103J	AA		C	Resistor(1/10W 10KΩ ±5%)	[R150]
311	VRS-TV2AB681J	AA		C	Resistor(1/10W 680Ω ±5%)	[R151]
312	VRS-TV2AB473J	AA		C	Resistor(1/10W 47KΩ ±5%)	[R152]
313	VRS-TV2AB103J	AA		C	Resistor(1/10W 10KΩ ±5%)	[R153]
314	VRS-TV2AB100J	AD		C	Resistor(1/10W 10Ω ±5%)	[R154]
315	VRS-TV2AB100J	AD		C	Resistor(1/10W 10Ω ±5%)	[R155]
316	VRS-TV2AB100J	AD		C	Resistor(1/10W 10Ω ±5%)	[R156]
317	VRS-TV2AB100J	AD		C	Resistor(1/10W 10Ω ±5%)	[R157]
318	VRS-TV2AB472J	AA		C	Resistor(1/10W 4.7KΩ ±5%)	[R158]
319	VRS-TV2AB103J	AA		C	Resistor(1/10W 10KΩ ±5%)	[R159]
320	VRS-TV2AB103J	AA		C	Resistor(1/10W 10KΩ ±5%)	[R160]
321	VRS-TV2AB472J	AA		C	Resistor(1/10W 4.7KΩ ±5%)	[R161]

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NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION	
322	VRS-TV2AB000J	AA		C	Resistor(1/10W 0Ω ±5%)	[R163]
323	VRS-TV2AB000J	AA		C	Resistor(1/10W 0Ω ±5%)	[R165]
324	VRS-TV2AB000J	AA		C	Resistor(1/10W 0Ω ±5%)	[R166]
325	VRS-TV2AB101J	AA		C	Resistor(1/10W 100Ω ±5%)	[R167]
326	VRS-TV2AB000J	AA		C	Resistor(1/10W 0Ω ±5%)	[R168]
327	VRS-TV2AB100J	AD		C	Resistor(1/10W 10Ω ±5%)	[R171]
328	VRS-TV2AB100J	AD		C	Resistor(1/10W 10Ω ±5%)	[R172]
329	VRS-TV2AB100J	AD		C	Resistor(1/10W 10Ω ±5%)	[R173]
330	VRS-TV2AB100J	AD		C	Resistor(1/10W 10Ω ±5%)	[R174]
331	VRS-TV2AB100J	AD		C	Resistor(1/10W 10Ω ±5%)	[R175]
332	VRS-TV2AB000J	AA		C	Resistor(1/10W 0Ω ±5%)	[R176]
333	VRS-TV2AB103J	AA		C	Resistor(1/10W 10KΩ ±5%)	[R177]
334	VRS-TV2AB000J	AA		C	Resistor(1/10W 0Ω ±5%)	[R178]
335	VRS-TV2AB472J	AA		C	Resistor(1/10W 4.7KΩ ±5%)	[R179]
336	VRS-TV2AB472J	AA		C	Resistor(1/10W 4.7KΩ ±5%)	[R180]
337	VRS-TV2AB000J	AA		C	Resistor(1/10W 0Ω ±5%)	[R181]
338	VRS-TV2AB472J	AA		C	Resistor(1/10W 4.7KΩ ±5%)	[R182]
339	VRS-TV2AB000J	AA		C	Resistor(1/10W 0Ω ±5%)	[R183]
340	VRS-TV2AB000J	AA		C	Resistor(1/10W 0Ω ±5%)	[R185]
341	VRS-TV2AB563J	AA		C	Resistor(1/10W 56KΩ ±5%)	[R186]
342	VRS-TV2AB103J	AA		C	Resistor(1/10W 10KΩ ±5%)	[R187]
343	VRS-TV2AB000J	AA		C	Resistor(1/10W 0Ω ±5%)	[R188]
344	VRS-TV2AB330J	AD		C	Resistor(1/10W 33Ω ±5%)	[R189]
345	VRS-TV2AB330J	AD		C	Resistor(1/10W 33Ω ±5%)	[R190]
346	VRS-TV2AB330J	AD		C	Resistor(1/10W 33Ω ±5%)	[R191]
347	VRS-TV2AB330J	AD		C	Resistor(1/10W 33Ω ±5%)	[R192]
348	VRS-TV2AB330J	AD		C	Resistor(1/10W 33Ω ±5%)	[R193]
349	VRS-TV2AB330J	AD		C	Resistor(1/10W 33Ω ±5%)	[R194]
350	VRS-TV2AB330J	AD		C	Resistor(1/10W 33Ω ±5%)	[R195]
351	VRS-TV2AB330J	AD		C	Resistor(1/10W 33Ω ±5%)	[R196]
352	VRS-TV2AB330J	AD		C	Resistor(1/10W 33Ω ±5%)	[R197]
353	VRS-TV2AB330J	AD		C	Resistor(1/10W 33Ω ±5%)	[R198]
354	VRS-TV2AB100J	AD		C	Resistor(1/10W 10Ω ±5%)	[R199]
355	VRS-TV2AB100J	AD		C	Resistor(1/10W 10Ω ±5%)	[R200]
356	VRS-TV2AB100J	AD		C	Resistor(1/10W 10Ω ±5%)	[R201]
357	VRS-TV2AB101J	AA		C	Resistor(1/10W 100Ω ±5%)	[R202]
358	VRS-TV2AB472J	AA		C	Resistor(1/10W 4.7KΩ ±5%)	[R206]
359	VRS-TV2AB472J	AA		C	Resistor(1/10W 4.7KΩ ±5%)	[R207]
360	VRS-TV2AB472J	AA		C	Resistor(1/10W 4.7KΩ ±5%)	[R209]
361	VRS-TV2AB472J	AA		C	Resistor(1/10W 4.7KΩ ±5%)	[R210]
362	VRS-TV2AB472J	AA		C	Resistor(1/10W 4.7KΩ ±5%)	[R211]
363	VRS-TV2AB472J	AA		C	Resistor(1/10W 4.7KΩ ±5%)	[R213]
364	VRS-TV2AB472J	AA		C	Resistor(1/10W 4.7KΩ ±5%)	[R214]
365	VRS-TV2AB204J	AA		C	Resistor(1/10W 200KΩ ±5%)	[R215]
366	VRS-TV2AB184J	AD		C	Resistor(1/10W 180KΩ ±5%)	[R216]
367	VRS-TV2AB102J	AA		C	Resistor(1/10W 1KΩ ±5%)	[R217]
368	VRS-TV2AB000J	AA		C	Resistor(1/10W 0Ω ±5%)	[R218]
369	VRS-TV2AB330J	AD		C	Resistor(1/10W 33Ω ±5%)	[R219]
370	VRS-TV2AB471J	AA		C	Resistor(1/10W 470Ω ±5%)	[R226]
371	VRS-TV2AB471J	AA		C	Resistor(1/10W 470Ω ±5%)	[R227]
372	VRS-TV2AB471J	AA		C	Resistor(1/10W 470Ω ±5%)	[R228]
373	VRS-TV2AB471J	AA		C	Resistor(1/10W 470Ω ±5%)	[R229]
374	VRS-TV2AB471J	AA		C	Resistor(1/10W 470Ω ±5%)	[R230]
375	VRS-TV2AB471J	AA		C	Resistor(1/10W 470Ω ±5%)	[R231]
376	VRS-TV2AB471J	AA		C	Resistor(1/10W 470Ω ±5%)	[R232]
377	VRS-TV2AB101J	AA		C	Resistor(1/10W 100Ω ±5%)	[R233]
378	VRS-TV2AB101J	AA		C	Resistor(1/10W 100Ω ±5%)	[R234]
379	VRS-TV2AB101J	AA		C	Resistor(1/10W 100Ω ±5%)	[R235]
380	VRS-TV2AB472J	AA		C	Resistor(1/10W 4.7KΩ ±5%)	[R236]
381	VRS-TV2AB104J	AA		C	Resistor(1/10W 100KΩ ±5%)	[R237]
382	VRS-TV2AB472J	AA		C	Resistor(1/10W 4.7KΩ ±5%)	[R238]
383	VRS-TV2AB271J	AA		C	Resistor(1/10W 270Ω ±5%)	[R241]
384	VRS-TV2AB271J	AA		C	Resistor(1/10W 270Ω ±5%)	[R242]
385	VRS-TV2AB271J	AA		C	Resistor(1/10W 270Ω ±5%)	[R243]
386	VRS-TV2AB271J	AA		C	Resistor(1/10W 270Ω ±5%)	[R244]
387	VRS-TV2AB271J	AA		C	Resistor(1/10W 270Ω ±5%)	[R245]
388	VRS-TV2AB271J	AA		C	Resistor(1/10W 270Ω ±5%)	[R246]
389	VRS-TV2AB271J	AA		C	Resistor(1/10W 270Ω ±5%)	[R247]
390	VRS-TV2AB103J	AA		C	Resistor(1/10W 10KΩ ±5%)	[R248]
391	VRS-TV2AB103J	AA		C	Resistor(1/10W 10KΩ ±5%)	[R249]
392	VRS-TV2AB680J	AA		C	Resistor(1/10W 68Ω ±5%)	[R250]
393	VRS-TV2AB330J	AD		C	Resistor(1/10W 33Ω ±5%)	[R252]
394	VRS-TV2AB330J	AD		C	Resistor(1/10W 33Ω ±5%)	[R253]
395	VRS-TV2AB100J	AD		C	Resistor(1/10W 10Ω ±5%)	[R254]
396	VRS-TV2AB100J	AD		C	Resistor(1/10W 10Ω ±5%)	[R255]
397	VRS-TV2AB563J	AA		C	Resistor(1/10W 56KΩ ±5%)	[R256]
398	VRS-TV2AB332J	AA		C	Resistor(1/10W 3.3KΩ ±5%)	[R257]
399	VRS-TV2AB332J	AA		C	Resistor(1/10W 3.3KΩ ±5%)	[R258]
400	VRS-TV2AB332J	AA		C	Resistor(1/10W 3.3KΩ ±5%)	[R259]
401	VRS-TV2AB332J	AA		C	Resistor(1/10W 3.3KΩ ±5%)	[R260]

16 Control PWB unit

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION	
402	VRS-TV2AB222J	AA		C	Resistor(1/10W 2.2K Ω \pm 5%)	[R261]
403	VRS-TV2AB271J	AA		C	Resistor(1/10W 270 Ω \pm 5%)	[R262]
404	VRS-TV2AB271J	AA		C	Resistor(1/10W 270 Ω \pm 5%)	[R263]
405	VRS-TV2AB271J	AA		C	Resistor(1/10W 270 Ω \pm 5%)	[R264]
406	VRS-TV2AB271J	AA		C	Resistor(1/10W 270 Ω \pm 5%)	[R266]
407	VRS-TV2AB680J	AA		C	Resistor(1/10W 68 Ω \pm 5%)	[R267]
408	VRS-TV2AB271J	AA		C	Resistor(1/10W 270 Ω \pm 5%)	[R268]
409	VRS-TV2AB103J	AA		C	Resistor(1/10W 10K Ω \pm 5%)	[R269]
410	VRS-TV2AB271J	AA		C	Resistor(1/10W 270 Ω \pm 5%)	[R270]
411	VRS-TV2AB622J	AA		C	Resistor(1/10W 6.2K Ω \pm 5%)	[R271]
412	VRS-TV2AB472J	AA		C	Resistor(1/10W 4.7K Ω \pm 5%)	[R272]
413	VRS-TV2AB472J	AA		C	Resistor(1/10W 4.7K Ω \pm 5%)	[R273]
414	VRS-TV2AB472J	AA		C	Resistor(1/10W 4.7K Ω \pm 5%)	[R274]
415	VRS-TV2AB472J	AA		C	Resistor(1/10W 4.7K Ω \pm 5%)	[R275]
416	VRS-TV2AB472J	AA		C	Resistor(1/10W 4.7K Ω \pm 5%)	[R276]
417	VRS-TV2AB472J	AA		C	Resistor(1/10W 4.7K Ω \pm 5%)	[R277]
418	VRS-TV2AB472J	AA		C	Resistor(1/10W 4.7K Ω \pm 5%)	[R278]
419	VRS-TV2AB472J	AA		C	Resistor(1/10W 4.7K Ω \pm 5%)	[R279]
420	VRS-TV2AB472J	AA		C	Resistor(1/10W 4.7K Ω \pm 5%)	[R280]
421	VRS-TV2AB102J	AA		C	Resistor(1/10W 1K Ω \pm 5%)	[R281]
422	VRS-TV2AB105J	AA		C	Resistor(1/10W 1.0M Ω \pm 5%)	[R283]
423	VRS-TV2AB561J	AD		C	Resistor(1/10W 560 Ω \pm 5%)	[R284]
424	VRS-TV2AB271J	AA		C	Resistor(1/10W 270 Ω \pm 5%)	[R285]
425	VRS-TV2AB103J	AA		C	Resistor(1/10W 10K Ω \pm 5%)	[R289]
426	VRS-TV2AB271J	AA		C	Resistor(1/10W 270 Ω \pm 5%)	[R290]
427	VRS-TV2AB103J	AA		C	Resistor(1/10W 10K Ω \pm 5%)	[R292]
428	VRS-TV2AB753J	AA		C	Resistor(1/10W 75K Ω \pm 5%)	[R293]
429	VRS-TV2AB163J	AA	N	C	Resistor(1/10W 16K Ω \pm 5%)	[R294]
430	VRS-TV2AB364J	AA		C	Resistor(1/10W 360K Ω \pm 5%)	[R295]
431	VRS-TV2AB472J	AA		C	Resistor(1/10W 4.7K Ω \pm 5%)	[R296]
432	VRS-TV2AB103J	AA		C	Resistor(1/10W 10K Ω \pm 5%)	[R297]
433	VRS-TV2AB101J	AA		C	Resistor(1/10W 100 Ω \pm 5%)	[R298]
434	VRS-TV2AB562J	AA		C	Resistor(1/10W 5.6K Ω \pm 5%)	[R306]
435	VRS-TV2AB103J	AA		C	Resistor(1/10W 10K Ω \pm 5%)	[R307]
436	VRS-TV2AB271J	AA		C	Resistor(1/10W 270 Ω \pm 5%)	[R308]
437	VRS-TV2AB103J	AA		C	Resistor(1/10W 10K Ω \pm 5%)	[R310]
438	VRS-TV2AB000J	AA		C	Resistor(1/10W 0 Ω \pm 5%)	[R311]
439	VRS-TV2AB103J	AA		C	Resistor(1/10W 10K Ω \pm 5%)	[R313]
440	VRS-TV2AB432J	AA		C	Resistor(1/10W 4.3K Ω \pm 5%)	[R316]
441	VRS-TV2AB000J	AA		C	Resistor(1/10W 0 Ω \pm 5%)	[R318]
442	VRS-TV2AB332J	AA		C	Resistor(1/10W 3.3K Ω \pm 5%)	[R327]
443	VRS-TV2AB752J	AA		C	Resistor(1/10W 7.5K Ω \pm 5%)	[R328]
444	VRS-TV2AB392J	AD		C	Resistor(1/10W 3.9K Ω \pm 5%)	[R329]
445	VRS-TV2AB103J	AA		C	Resistor(1/10W 10K Ω \pm 5%)	[R331]
446	VRS-TV2AB113J	AA		C	Resistor(1/10W 11K Ω \pm 5%)	[R332]
447	VRS-TV2AB512J	AA		C	Resistor(1/10W 5.1K Ω \pm 5%)	[R333]
448	VRS-TV2AB101J	AA		C	Resistor(1/10W 100 Ω \pm 5%)	[R334]
449	VRS-TV2AB162J	AA		C	Resistor(1/10W 1.6K Ω \pm 5%)	[R335]
450	VRS-TV2AB392J	AD		C	Resistor(1/10W 3.9K Ω \pm 5%)	[R336]
451	VRS-TV2AB562J	AA		C	Resistor(1/10W 5.6K Ω \pm 5%)	[R337]
452	VRS-TQ2BB561J	AA	N	C	Resistor(1/8W 560 Ω \pm 5%)	[R338]
453	VRS-TV2AB000J	AA		C	Resistor(1/10W 0 Ω \pm 5%)	[R339]
454	VRS-TQ2BB000J	AA		C	Resistor(1/8W 0 Ω \pm 5%)	[R341]
455	RCORF2091SCZZ	AD	N	C	Coil	[R347]
456	VRS-TV2AB000J	AA		C	Resistor(1/10W 0 Ω \pm 5%)	[R348]
457	VRS-TV2AB103J	AA		C	Resistor(1/10W 10K Ω \pm 5%)	[R351]
458	VRS-TV2AB223J	AA		C	Resistor(1/10W 22K Ω \pm 5%)	[R354]
459	VRS-TV2AB472J	AA		C	Resistor(1/10W 4.7K Ω \pm 5%)	[R355]
460	VRS-TV2AB101J	AA		C	Resistor(1/10W 100 Ω \pm 5%)	[R356]
461	VRS-TV2AB472J	AA		C	Resistor(1/10W 4.7K Ω \pm 5%)	[R357]
462	VRS-TV2AB472J	AA		C	Resistor(1/10W 4.7K Ω \pm 5%)	[R358]
463	VRS-TV2AB472J	AA		C	Resistor(1/10W 4.7K Ω \pm 5%)	[R359]
464	VRS-TV2AB472J	AA		C	Resistor(1/10W 4.7K Ω \pm 5%)	[R360]
465	VRS-TV2AB472J	AA		C	Resistor(1/10W 4.7K Ω \pm 5%)	[R361]
466	VRS-TV2AB101J	AA		C	Resistor(1/10W 100 Ω \pm 5%)	[R364]
467	VRS-TV2AB472J	AA		C	Resistor(1/10W 4.7K Ω \pm 5%)	[R365]
468	VRS-TV2AB472J	AA		C	Resistor(1/10W 4.7K Ω \pm 5%)	[R366]
469	VRS-TV2AB472J	AA		C	Resistor(1/10W 4.7K Ω \pm 5%)	[R367]
470	VRS-TQ2BB200J	AA	N	C	Resistor(1/8W 20 Ω \pm 5%)	[R370]
471	VRS-TV2AB000J	AA		C	Resistor(1/10W 0 Ω \pm 5%)	[R371]
472	VRS-TV2AB102J	AA		C	Resistor(1/10W 1.0K Ω \pm 5%)	[R372]
473	VRS-TV2AB472J	AA		C	Resistor(1/10W 4.7K Ω \pm 5%)	[R373]
474	VRS-TV2AB472J	AA		C	Resistor(1/10W 4.7K Ω \pm 5%)	[R375]
475	VRS-TV2AB102J	AA		C	Resistor(1/10W 1K Ω \pm 5%)	[R377]
476	VRS-TV2AB472J	AA		C	Resistor(1/10W 4.7K Ω \pm 5%)	[R378]
477	VRS-TV2AB000J	AA		C	Resistor(1/10W 0 Ω \pm 5%)	[R379]
478	VRS-TV2AB000J	AA		C	Resistor(1/10W 0 Ω \pm 5%)	[R380]
479	VRS-TV2AB000J	AA		C	Resistor(1/10W 0 Ω \pm 5%)	[R381]
480	VRS-TV2AB302J	AA		C	Resistor(1/10W 3.0K Ω \pm 5%)	[R382]
481	VRS-TV2AB513J	AA	N	C	Resistor(1/10W 51K Ω \pm 5%)	[R383]

16 Control PWB unit

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
482	VRS-TV2AB103J	AA		C	Resistor(1/10W 10K Ω \pm 5%) [R384]
483	RCRSQ2109SCZZ	AL	N	B	Crystal(38.00053MHz) [X1]
484	RCRSQ1005LCZZ	AE	N	B	Crystal(19.6608MHz) [X3]
485	RCRSZ7008SCZZ	AD		B	Crystal(16MHz) [X4]
486	RCRSQ2110SCZZ	AG	N	B	Crystal(22.24044MHz) [X5]
487	RCRSP0074AFZZ	AE		B	Crystal(32.768kHz) [X6]
488	TLABP3078SCZZ	AA		D	Shading label(for EP-ROM)
	(Unit)				
901	DCEKC582HSCZZ	CN	N	E	Control PWB unit(Within ROM)

17 TEL-Liu PWB unit

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
1	VHVRA391PV6-1	AE	N	B	Varistor [AR1]
2	QTANZ2042SCZZ	AB		C	Terminal [ARG]
3	VCEAGA1HW105M	AB		C	Capacitor(50WV 1.0 μ F) [C2]
4	VCEAGA1EW476M	AA		C	Capacitor(25WV 47 μ F) [C3]
5	VCEAGA1EW476M	AA		C	Capacitor(25WV 47 μ F) [C4]
6	VCEAGA1EW476M	AA		C	Capacitor(25WV 47 μ F) [C5]
7	VCEAGA1HW475M	AA		C	Capacitor(50WV 4.7 μ F) [C6]
8	VCEAGA1HW475M	AA		C	Capacitor(50WV 4.7 μ F) [C7]
9	VCEAGA1HW475M	AA		C	Capacitor(50WV 4.7 μ F) [C8]
10	VCEAGA1HW334M	AC		C	Capacitor(50WV 0.33 μ F) [C9]
11	VCEAGA1HW225M	AA		C	Capacitor(50WV 2.2 μ F) [C10]
12	VCEAGA1HW225M	AA		C	Capacitor(50WV 2.2 μ F) [C11]
13	VCEAGA1HW475M	AA		C	Capacitor(50WV 4.7 μ F) [C12]
14	VCEAGA1HW475M	AA		C	Capacitor(50WV 4.7 μ F) [C13]
15	VCEAGA1HW475M	AA		C	Capacitor(50WV 4.7 μ F) [C14]
16	RC-FZ2021SCZZ	AC		C	Capacitor(250WV 0.82 μ F) [C15]
17	VCKYPU1HB103K	AA		C	Capacitor(50WV 0.010 μ F) [C16]
18	VCKYTV1EF104Z	AA		C	Capacitor(25WV 0.10 μ F) [C101]
19	VCKYTV1EF104Z	AA		C	Capacitor(25WV 0.10 μ F) [C102]
20	VCKYTV1EF104Z	AA		C	Capacitor(25WV 0.10 μ F) [C103]
21	VCKYTV1HB331K	AA		C	Capacitor(50WV 330PF) [C104]
22	VCKYTV1EF104Z	AA		C	Capacitor(25WV 0.10 μ F) [C105]
23	VCKYTV1HB102K	AA		C	Capacitor(50WV 1000PF) [C106]
24	VCKYTV1HB102K	AA		C	Capacitor(50WV 1000PF) [C107]
25	VCKYTV1EF104Z	AA		C	Capacitor(25WV 0.10 μ F) [C108]
26	VCKYTV1EF104Z	AA		C	Capacitor(25WV 0.10 μ F) [C109]
27	VCKYTV1HB333K	AA		C	Capacitor(50WV 0.033 μ F) [C110]
28	VCKYTV1HB331K	AA		C	Capacitor(50WV 330PF) [C111]
29	VCKYTV1HB222K	AA		C	Capacitor(50WV 2200PF) [C112]
30	VCKYTV1CF105Z	AB		C	Capacitor(16WV 1.0 μ F) [C114]
31	VCKYTV1HB221K	AA		C	Capacitor(50WV 220PF) [C115]
32	VCKYTV1HB102K	AA		C	Capacitor(50WV 1000PF) [C116]
33	VCKYTV1EF104Z	AA		C	Capacitor(25WV 0.10 μ F) [C117]
34	VCKYTV1HB102K	AA		C	Capacitor(50WV 1000PF) [C118]
35	VCKYTV1HB102K	AA		C	Capacitor(50WV 1000PF) [C119]
36	VCKYTV1HB102K	AA		C	Capacitor(50WV 1000PF) [C120]
37	VCKYTV1HB333K	AA		C	Capacitor(50WV 0.033 μ F) [C121]
38	RRLYZ0166AFZZ	AH		B	Relay [CML]
39	QCNCW-4561SCZZ	AE	N	C	Cable(2pin) [CNHA]
40	QCNCM2528SC0B	AC		C	Connector(2pin) [CNHB]
41	QCNCM2456SC2F	AG		C	Connector(26pin) [CNLIU]
42	QCNCM688BAFZZ	AC	N	C	Connector(2pin) [CNSP]
43	VHD1SS355/-1	AB		B	Diode(1SS355) [D101]
44	VHD1SS355/-1	AB		B	Diode(1SS355) [D102]
45	VHD1SS355/-1	AB		B	Diode(1SS355) [D103]
46	VHD1SS355/-1	AB		B	Diode(1SS355) [D104]
47	VHINJM2113M-1	AG		B	IC(NJM2113M) [IC101]
48	VHIBU4066BCF1	AD		B	IC(BU4066BCF) [IC102]
49	VHIBU4066BCF1	AD		B	IC(BU4066BCF) [IC103]
50	VHINJM4558MF-	AC		B	IC(NJM4558M) [IC104]
51	VHINJM4558MF-	AC		B	IC(NJM4558M) [IC105]
52	VHINJM4558MF-	AC		B	IC(NJM4558M) [IC106]
53	RFILN2011SCZZ	AC		C	Coil(N2011) [L1]
54	RCILZ2089SCZZ	AG		C	Coil(Z2089) [L2]
55	RFILN2011SCZZ	AC		C	Coil(N2011) [L3]
56	RCILZ2122SCZZ	AC		C	Coil(Z2122) [L4]
57	RCILZ2122SCZZ	AC		C	Coil(Z2122) [L5]
58	RFILN2011SCZZ	AC		C	Coil(N2011) [L6]
59	RFILN2011SCZZ	AC		C	Coil(N2011) [L7]
60	RFILN2011SCZZ	AC		C	Coil(N2011) [L8]
61	QJAKZ2060SC0B	AD	N	C	Jack [MJ1]
62	QJAKZ2061SC0D	AE	N	C	Jack [MJTEL]
63	VHPTLP627/-1	AH		B	Photo coupler(TLP627) [PC1]

18 Power supply PWB unit

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION	
1	0AV1540000003	AE	N	C	Capacitor(250WV 0.1μF)	[C701]
2	0AV1540000004	AF	N	C	Capacitor(250WV 0.047μF)	[C702]
3	0AV1610000046	AD	N	C	Capacitor(470PF(KC))	[C703]
4	0AV1610000046	AD	N	C	Capacitor(470PF(KC))	[C704]
5	0AV1390000105	AS	N	C	Capacitor(200WV 560μF)	[C705]
6	0AV1610000045	AC		C	Capacitor(1KWV 100PF)	[C706]
7	0AV1390000109	AC	N	C	Capacitor(35WV 47μF)	[C707]
8	0AV1610000054	AD		C	Capacitor(50WV 0.047μF)	[C708]
9	0AV1610000060	AC	N	C	Capacitor(50WV 220PF)	[C709]
10	0AV1474720090	AB		C	Capacitor(100WV 0.0047μF)	[C710]
11	0AV1610000061	AD	N	C	Capacitor(50WV 0.1μF)	[C711]
12	0AV1540000003	AE	N	C	Capacitor(250WV 0.1μF)	[C712]
13	0AV1471020090	AB		C	Capacitor(100WV 0.001μF)	[C713]
14	0AV1610000029	AC		C	Capacitor(1KWV 1000PF)	[C714]
15	0AV1390000110	AF	N	C	Capacitor(35WV 680μF)	[C715]
16	0AV1390000110	AF	N	C	Capacitor(35WV 680μF)	[C716]
17	0AV1390000107	AC	N	C	Capacitor(50WV 0.47μF)	[C717]
18	0AV1390000108	AC	N	C	Capacitor(35WV 22μF)	[C718]
19	0AV1390000106	AE	N	C	Capacitor(35WV 330μF)	[C719]
20	0AV1390000106	AE	N	C	Capacitor(35WV 330μF)	[C720]
21	0AV1390000106	AE	N	C	Capacitor(35WV 330μF)	[C721]
22	0AV1650000001	AF		C	Capacitor(4700PF(KC))	[C722]
23	0AV1650000001	AF		C	Capacitor(4700PF(KC))	[C723]
24	0AV1610000062	AE	N	C	Capacitor(250WV 10000PF)	[C724]
25	0AV1610000004	AC		C	Capacitor(1000PF(KC))	[C725]
26	0AV5030090000	AD	N	C	Connector	[CN1]
27	0AV5030091000	AE	N	C	Connector	[CN2]
28	0AV5030036000	AC		C	Connector	[CN3]
29	0AV5030088000	AD	N	C	Connector	[CN4]
30	0AV5030089000	AG	N	C	Connector	[CNPW]
31	0AV3060033000	AH		B	Diode(D3SB60Z)	[D701]
32	0AV3060021000	AB		B	Diode(ERA15-01)	[D702]
33	0AV3050019000	AF		B	Diode(ERA91-02)	[D703]
34	0AV3070093000	AC	N	B	Zener diode(RD20ES)	[D704]
35	0AV3050030000	AA		B	Diode(1SS178)	[D705]
36	0AV3070094000	AC	N	B	Zener diode(RD30ES)	[D706]
37	0AV3050066000	AH		B	Diode(YG901C2)	[D707]
38	0AV3050030000	AA		B	Diode(1SS178)	[D708]
39	0AV3050075000	AF	N	B	Diode(D2S4M-4004P15)	[D709]
40	0AV5060031000	AG		A	Fuse(125V 6.3A)	[F701]
41	0AV5070000012	AF	N	A	Thermal cutoff(127°C)	[F702]
42	0AV5060067000	AF		A	Fuse(125V 4A)	[F703]
43	0AV5060067000	AF		A	Fuse(125V 4A)	[F704]
44	0AV5060067000	AF		A	Fuse(125V 4A)	[F705]
45	0AV3090056000	AP		B	IC(FA5315P)	[IC701]
46	0AV3090041000	AF		B	IC(μPC1093J-1)	[IC702]
47	0AV3090060000	AR	N	B	IC(PQ1CG1)	[IC703]
48	0AV3090016000	AG		B	IC(NJM7812FA)	[IC704]
49	0AV4070044000	AK		C	Coil	[L701]
50	0AV4070044000	AK		C	Coil	[L702]
51	0AV4120002000	AC		C	Coil	[L704]
52	0AV4120002000	AC		C	Coil	[L706]
53	0AV4050014000	AE	N	C	Coil	[L707]
54	0AV4050013000	AE	N	C	Coil	[L708]
55	0AV4050014000	AE	N	C	Coil	[L709]
56	0AV3080621200	AF		B	Photocoupler(TLP621GR)	[PC701]
57	0AV3180000003	AP	N	B	Photo triac coupler(S21ME4FY)	[PC702]
58	0AV3042543000	AQ	N	B	FET(2SK2543)	[Q701]
59	0AV3001015500	AC		B	Transistor(2SA1015-Y)	[Q702]
60	0AV2013343020	AB	N	C	Resistor(1/4W 330KΩ ±5%)	[R701]
61	0AV2011033010	AA		C	Resistor(1/6W 10KΩ ±5%)	[R702]
62	0AV2013903020	AB	N	C	Resistor(1/4W 39Ω ±5%)	[R703]
63	0AV2013933020	AB	N	C	Resistor(1/4W 39KΩ ±5%)	[R704]
64	0AV2013933020	AB	N	C	Resistor(1/4W 39KΩ ±5%)	[R705]
65	0AV2024783040	AC	N	C	Resistor(1W 0.22Ω ±5%)	[R706]
66	0AV2024783040	AC	N	C	Resistor(1W 0.22Ω ±5%)	[R707]
67	0AV2023903040	AC	N	C	Resistor(1W 39Ω ±5%)	[R708]
68	0AV2013333010	AA		C	Resistor(1/6W 33KΩ ±5%)	[R709]
69	0AV2048203010	AC		C	Fusing resistor(1/6W 82Ω ±5%)	[R710]
70	0AV2046803010	AC	N	C	Fusing resistor(1/6W 68Ω ±5%)	[R711]
71	0AV2014733020	AB		C	Resistor(1/4W 47KΩ ±5%)	[R712]
72	0AV2011033010	AA		C	Resistor(1/6W 10KΩ ±5%)	[R713]
73	0AV2011533010	AA		C	Resistor(1/6W 15KΩ ±5%)	[R714]
74	0AV2011023010	AA		C	Resistor(1/6W 1KΩ ±5%)	[R715]
75	0AV2042203020	AC		C	Fusing resistor(1/4W 22Ω ±5%)	[R716]
76	0AV2041513020	AC	N	C	Fusing resistor(1/4W 150Ω ±5%)	[R717]
77	0AV2011023010	AA		C	Resistor(1/6W 1KΩ ±5%)	[R718]
78	0AV2011023010	AA		C	Resistor(1/6W 1KΩ ±5%)	[R719]
79	0AV2011043010	AA		C	Resistor(1/6W 100KΩ ±5%)	[R720]
80	0AV2990015000	AC	N	C	Resistor(1/6W 22KΩ ±0.5%)	[R721]

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PARTS CODE	NO.	PRICE RANK	NEW MARK	PART RANK
[C]				
CBSHP2079SC01	7- 1	AK	N	C
CCASP2083SC51	2- 1	BQ	N	E
"	3- 901	BQ	N	E
CCNW-4276XH01	1- 1	AU	N	C
CCNW-4557SC01	1- 2	AM	N	C
CPAKA4863SC01	15- 6	AZ	N	D
CPLTP2803SC01	15- 11	AU	N	C
CPLTP2805SC01	15- 12	AQ	N	C
CROLP2300SC01	7- 2	AF	N	C
CSW-M2222SC01	1- 3	AE		B
"	7- 3	AE		B
[D]				
DCEK582HSCZZ	1- 4	CN	N	E
"	16- 901	CN	N	E
DCEKD495ASC01	5- 1	AZ	N	E
"	20- 901	AZ	N	E
DCEKI497ASC01	1- 5	BC	N	E
"	19- 901	BC	N	E
DCEKL494ASC01	1- 6	BD	N	E
"	17- 901	BD	N	E
DCEKP496ASC01	3- 1	BC	N	E
DUNTK4925XHW2	15- 17	AY		E
[G]				
GCABL2272SCZZ	1- 8	AW	N	D
GCABR2273SCZZ	1- 10	AW	N	D
GCASP2083SCZZ	3- 2	AT	N	D
GCOVA2363SCZZ	1- 12	AQ	N	C
GCOVA2364SCYZ	1- 13	AT	N	C
GCOVA2367SCZZ	1- 14	AK	N	C
GCOVA2371SCZZ	1- 15	AL	N	C
GDAI-2074SCZZ	1- 16	AK	N	C
GDAI-2075SCZZ	1- 17	AE	N	C
GFTAF2110SCZZ	1- 18	AC	N	C
GMADZ2024SCZZ	1- 19	AF	N	C
[H]				
HPNLC2370SCZZ	3- 3	AK	N	C
[J]				
JBTN-2184SCZZ	3- 4	AK	N	C
JBTN-2185SCZZ	3- 5	AH	N	C
JBTN-2186SCZZ	3- 6	AE	N	C
JBTN-2187SCZZ	3- 7	AE	N	C
JBTN-2188SCZZ	3- 8	AE	N	C
JBTN-2189SCZZ	3- 9	AE	N	C
[L]				
LANGH2803SCZZ	5- 2	AF	N	C
LBNDJ2006SCZZ	1- 61	AA		C
LBNDJ2007SCZZ	1- 20	AA		C
"	2- 5	AA		C
"	4- 21	AA		C
LBSHC2084SCZZ	7- 4	AC	N	C
LBSHP2066SCZZ	7- 5	AC	N	C
LBSHP2067SCZZ	4- 1	AC	N	C
LFRM-2167SCZZ	7- 6	AW	N	C
LHLDP2155SCZZ	5- 3	AG	N	C
LHLDW0004SCZZ	1- 52	AB		C
LHLDW1006FCZZ	1- 21	AA	N	C
LHLDW2156SCZZ	1- 22	AC	N	C
LHLDW2157SCZZ	1- 23	AC	N	C
LHLDW2158SCZZ	1- 46	AC	N	C
LPLTG2820SCZZ	4- 2	AH	N	C
LPLTM2806SCZZ	1- 24	AY	N	C
LPLTM2807SCZZ	1- 25	AT	N	C
LPLTM2808SCZZ	1- 26	AU	N	C
LPLTM2809SCZZ	1- 27	AX	N	C
LPLTM2810SCZZ	1- 28	AG	N	C
LPLTM2813SCZZ	7- 7	AK	N	C
LPLTM2814SCZZ	7- 8	AK	N	C
LPLTM2822SCZZ	4- 3	AF	N	C
LPLTM2834SCZZ	6- 1	AQ	N	C
LPLTM2854SCZZ	1- 50	AK	N	C
LPLTM2856SCZZ	1- 49	AG	N	C
LPLTP2811SCZZ	1- 30	AY	N	C
LPLTP2812SCZA	1- 31	AL	N	C
LPLTP2819SCZZ	4- 4	AD	N	C
LPLTP2821SCZZ	4- 5	AD	N	C
LPLTP2823SCZZ	3- 10	AF	N	C
LPLTP2832SCZA	5- 4	AF	N	C
LPLTP2833SCZA	5- 5	AF	N	C
LX-BZ0175FCZZ	14- 15	AB		C

PARTS CODE	NO.	PRICE RANK	NEW MARK	PART RANK
LX-BZ2200SCZZ	50- B1	AB		C
LX-BZ2217SCZZ	50- B2	AB	N	C
[M]				
MLEVP2229SCZZ	1- 32	AE	N	C
MLEVP2230SCZZ	4- 6	AG	N	C
MLEVP2242SCZL	14- 17	AF	N	C
MLEVP2242SCRZ	14- 16	AF	N	C
MSPRC2843SCZZ	4- 7	AC	N	C
MSPRC2844SCZZ	4- 8	AA	N	C
MSPRC2845SCZZ	4- 9	AC	N	C
MSPRC2856SCZZ	1- 33	AC	N	C
MSPRC2867SCZZ	4- 10	AB	N	C
MSPRC2888SCZZ	14- 19	AC	N	C
MSPRC2889SCZZ	14- 20	AD	N	C
MSPRP2838SCZZ	7- 9	AC	N	C
MSPRP2839SCZZ	7- 10	AD	N	C
MSPRP2840SCZZ	7- 11	AD	N	C
MSPRP2841SCZZ	7- 12	AC	N	C
MSPRP2842SCZZ	5- 6	AC	N	C
MSPRP2846SCZZ	4- 11	AD	N	C
MSPRP2850SCZZ	7- 13	AD	N	C
[N]				
NGERH2177SCZZ	7- 14	AC		C
NGERH2239SCZZ	6- 2	AC		C
NGERH2319SCZZ	7- 15	AC	N	C
NGERH2320SCZZ	7- 16	AD	N	C
NGERH2322SCZZ	7- 17	AC	N	C
NGERH2323SCZZ	7- 18	AD	N	C
NGERH2324SCZZ	6- 3	AD	N	C
NGERH2326SCZZ	6- 4	AD	N	C
NGERH2327SCZZ	4- 12	AC	N	C
NGERH2330SCZZ	6- 5	AE	N	C
NGERP287SCZZ	1- 34	AC		C
NROLP2300XHZZ	4- 13	AC		C
NRRLR2336SCZZ	4- 14	AM	N	C
NRRLR2337SCZZ	7- 19	AH	N	C
NRRLR2338SCZZ	7- 20	AK	N	C
NRRLR2339SCZZ	7- 21	AM	N	C
NSFTZ2260SCZZ	7- 22	AG	N	C
NSFTZ2261SCZZ	7- 23	AH	N	C
NSFTZ2262SCZZ	7- 24	AE	N	C
NSFTZ2263SCZZ	4- 15	AD	N	C
[P]				
PBR5-2047SCZZ	4- 16	AG	N	C
PCAPH2020SCZZ	1- 62	AT		C
PCUSS2097SCZZ	3- 13	AC	N	C
PCUSU2101SCZZ	7- 35	AC	N	C
PGIDP2454SCZZ	1- 35	AG	N	C
PGIDP2455SCZZ	1- 36	AF	N	C
PGIDP2456SCZZ	4- 17	AT	N	C
PGIDP2459SCZZ	2- 2	AS	N	C
PGLS-2057SCZZ	2- 3	AF	N	C
PGUMS2135SCZZ	1- 37	AC	N	C
PHOG-2073SCZZ	1- 48	AF	N	C
PHOP-2091SCZZ	1- 38	AU	N	C
PLNS-2050SCZZ	5- 7	AY	N	C
PMIR-2073SCZZ	5- 8	AL	N	C
PSHEZ3204SCZZ	5- 9	AC	N	C
PSHEZ3205SCZZ	4- 18	AD	N	C
PSHEZ3208SCZZ	7- 26	AC	N	C
PSHEZ3225SCZZ	1- 40	AF	N	C
PSHEZ3249SCZZ	4- 19	AC	N	C
PSHEZ3254SCZZ	2- 4	AC	N	C
PSHEZ3262SCZZ	2- 6	AC	N	C
PSHEZ3263SCZZ	5- 12	AC	N	C
PSHEZ3267SCZZ	1- 58	AF	N	C
PSHEZ3270SCZZ	3- 14	AC	N	C
PSPAZ0584FCZZ	14- 18	AA		C
PSTM-2015SCZZ	7- 28	AX	N	C
PTME-2051SCZZ	1- 59	AE	N	C
PTME-2051SCRZ	1- 60	AE	N	C
[Q]				
QCNCM2401SC0B	16- 151	AA		C
QCNCM2442SC0B	16- 157	AB		C
QCNCM2456SC2F	17- 41	AG		C
QCNCM2482SC1H	16- 158	AE		C
"	19- 8	AE		C
QCNCM2482SC2D	16- 154	AB		C
QCNCM2524SC3B	16- 155	AP	N	C
QCNCM2525SC5J	16- 153	AK	N	C

PARTS CODE	NO.	PRICE RANK	NEW MARK	PART RANK
QCNCM2528SC0B	17- 40	AC		C
QCNCM688BAFZZ	17- 42	AC	N	C
QCNCM7014SC0B	16- 160	AD		C
QCNCM7014SC0D	16- 161	AB		C
QCNCM7014SC0F	16- 159	AB		C
QCNCM7014SC0H	16- 150	AB		C
QCNCM7014SC1B	16- 156	AD		C
QCNCM704HAFZZ	20- 4	AD	N	C
QCNCW2436SC2F	16- 152	AG		C
QCNCW2488SC0I	19- 7	AF		C
QCNCW-3247SCZZ	15- 18	AH		C
QCNCW-3975XHGY	15- 18	AG		C
QCNCW-3976XHOG	15- 19	AT		C
QCNCW-4320SCZZ	15- 14	BB		C
QCNCW-4554SCZZ	3- 11	AU	N	C
QCNCW-4555SCZZ	5- 10	AL	N	C
QCNCW-4558SCZZ	1- 41	AE	N	C
QCNCW-4559SCZZ	1- 42	BA	N	C
QCNCW-4560SCZZ	4- 20	AD	N	C
"	6- 6	AD	N	C
QCNCW-4561SCZZ	17- 39	AE	N	C
QCNCW-4562SCZZ	7- 29	AK	N	C
QCNCW-4563SCZZ	1- 43	AP	N	C
QCNCW-4564SCZZ	1- 44	AS	N	C
QCNCW-4612SCZZ	7- 30	AE	N	C
QCNCW-4668SCZZ	1- 51	AC	N	C
"	6- 7	AC	N	C
QJAKZ2060SC0B	17- 61	AD	N	C
QJAKZ2061SC0D	17- 62	AE	N	C
QSOCZ2051SC32	16- 195	AC		C
"	16- 199	AC		C
QSW-Z2232SCZZ	17- 126	AE	N	B
QSW-Z2236SCZZ	7- 31	AE	N	B
QSW-Z2237SCZZ	7- 33	AE	N	B
QTANZ2042SCZZ	17- 2	AB		C
[R]				
RC-FZ2021SCZZ	17- 16	AC		C
RCILZ2089SCZZ	17- 54	AG		C
RCILZ2104SCZZ	16- 254	AK		C
"	16- 255	AK		C
RCILZ2122SCZZ	17- 56	AC		C
"	17- 57	AC		C
RCORF2063SCZZ	5- 13	AE	B	C
RCORF2064SCZZ	1- 53	AE		B
RCORF2091SCZZ	16- 307	AD	N	C
"	16- 455	AD	N	C
RCORF2094SCZZ	1- 54	AE		B
RCORF5002BCZT	19- 10	AA		B
"	19- 11	AA		B
"	19- 12	AA		B
"	19- 13	AA		B
"	19- 14	AA		B
"	19- 15	AA		B
"	19- 16	AA		B
"	19- 17	AA		B
RCORF7009XCZZ	1- 55	AR		B
RCRSP0074AFZZ	16- 487	AE		B
RCRSQ1005LCZZ	16- 484	AE	N	B
RCRSQ2109SCZZ	16- 483	AL	N	B
RCRSQ2110SCZZ	16- 486	AG	N	B
RCRSZ7008SCZZ	16- 485	AD		B
RDENT2095SCZZ	1- 45	BR	N	E
"	18- 901	BR	N	E
RFILN2011SCZZ	17- 53	AC		C
"	17- 55	AC		C
"	17- 58	AC		C
"	17- 59	AC		C
"	17- 60	AC		C
RH-DX2007SCZZ	17- 125	AC		B
RMOTZ2124SCZZ	6- 8	BF	N	B
RRLYZ0166AFZZ	17- 38	AH		B
RTRNZ2128XHZZ	17- 127	AS		B
[S]				
SPAKA006ASCZZ	15- 23	AC	N	C
SPAKA010ASCZZ	15- 25	AC	N	D
SPAKA4861SCZZ	15- 15	AQ	N	D
SPAKA4944SCZZ	15- 16	AR	N	D
SPAKA4996SCZZ	15- 21	AC	N	D
SPAKC4938SCZZ	15- 20	AW	N	D
SPAKC4984SCZZ	15- 20	AW	N	D

PARTS CODE	NO.	PRICE RANK	NEW MARK	PART RANK
SPAKP4946SCZZ	15- 5	AP	N	D
[T]				
TCADZ2136SCZZ	15- 1	AB		D
TINSE3598SCZZ	15- 4	AS	N	D
TINSK3635SCZZ	15- 4	BU	N	D
TLABH4065SCZZ	14- 21	AD	N	D
TLABH4066SCZZ	1- 57	AC	N	D
TLABH4074SCZZ	15- 24	AD	N	D
TLABP3078SCZZ	16- 488	AA		D
TLABP3937SCZZ	15- 2	AE	N	D
TLABZ3935SCZZ	15- 3	AE	N	D
TLABZ4016SCZZ	15- 13	AD	N	D
[U]				
UBAT-A005PRE0	16- 1	AN	N	B
[V]				
VCCCTV1HH100D	16- 37	AA		C
"	16- 44	AA		C
"	16- 50	AA		C
"	16- 51	AA		C
"	16- 97	AA		C
"	16- 98	AA		C
VCCCTV1HH101J	16- 56	AA		C
VCCCTV1HH300J	16- 58	AA		C
"	16- 59	AA		C
VCCCTV1HH6R0C	16- 109	AB		C
"	16- 110	AB		C
"	16- 115	AB		C
VCCSTV1HL102J	16- 18	AA		C
"	16- 24	AA		C
"	16- 57	AA		C
"	16- 104	AA		C
"	16- 105	AA		C
"	16- 125	AA		C
"	16- 145	AA		C
VCCSTV1HL391J	16- 25	AA		C
VCEAEA1CW106M	16- 2	AC		C
"	16- 6	AC		C
VCEAEA1CW336M	16- 9	AB		C
"	16- 10	AB		C
"	16- 11	AB		C
"	16- 12	AB		C
"	16- 13	AB		C
"	16- 15	AB		C
"	16- 16	AB		C
VCEAEA1EW226M	16- 3	AA		C
"	20- 1	AA		C
VCEAEA1EW475M	16- 8	AA		C
VCEAEA1EW476M	16- 14	AB		C
VCEAEA1HW104M	19- 1	AB		C
"	19- 2	AB		C
"	19- 4	AB		C
"	19- 5	AB		C
VCEAEA1HW226M	19- 3	AB		C
VCEAEA1HW474M	16- 7	AA		C
VCEAEA1HW476M	16- 4	AC		C
"	16- 5	AC		C
VCEAGA1EW476M	17- 4	AA		C
"	17- 5	AA		C
"	17- 6	AA		C
VCEAGA1HW105M	17- 3	AB		C
VCEAGA1HW225M	17- 11	AA		C
"	17- 12	AA		C
VCEAGA1HW334M	17- 10	AC		C
VCEAGA1HW475M	17- 7	AA		C
"	17- 8	AA		C
"	17- 9	AA		C
"	17- 13	AA		C
"	17- 14	AA		C
"	17- 15	AA		C
VCKYPU1HB103K	17- 17	AA		C
VCKYTQ1EF104Z	20- 2	AA		C
"	20- 3	AA		C
VCKYTV1CF105Z	16- 17	AB		C
"	16- 26	AB		C
"	16- 30	AB		C
"	16- 39	AB		C
"	16- 45	AB		C
"	16- 86	AB		C
"	16- 114	AB		C
"	16- 121	AB		C

PARTS CODE	NO.	PRICE RANK	NEW MARK	PART RANK
VCKYTV1CF105Z	16- 143	AB		C
"	16- 148	AB		C
"	16- 149	AB		C
"	17- 30	AB		C
VCKYTV1EB104K	16- 27	AA		C
"	16- 28	AA		C
"	16- 106	AA		C
VCKYTV1EF104Z	16- 19	AA		C
"	16- 20	AA		C
"	16- 21	AA		C
"	16- 22	AA		C
"	16- 23	AA		C
"	16- 29	AA		C
"	16- 31	AA		C
"	16- 32	AA		C
"	16- 33	AA		C
"	16- 34	AA		C
"	16- 35	AA		C
"	16- 36	AA		C
"	16- 40	AA		C
"	16- 41	AA		C
"	16- 42	AA		C
"	16- 43	AA		C
"	16- 46	AA		C
"	16- 47	AA		C
"	16- 49	AA		C
"	16- 52	AA		C
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"	16- 118	AA		C
"	16- 119	AA		C
"	16- 120	AA		C
"	16- 123	AA		C
"	16- 124	AA		C
"	16- 126	AA		C
"	16- 127	AA		C
"	16- 128	AA		C
"	16- 129	AA		C
"	16- 130	AA		C
"	16- 131	AA		C
"	16- 132	AA		C
"	16- 133	AA		C
"	16- 134	AA		C
"	16- 135	AA		C
"	16- 136	AA		C
"	16- 137	AA		C
"	16- 138	AA		C
"	16- 139	AA		C
"	16- 140	AA		C
"	16- 141	AA		C
"	16- 142	AA		C
"	17- 18	AA		C
"	17- 19	AA		C
"	17- 20	AA		C
"	17- 22	AA		C
"	17- 25	AA		C
"	17- 26	AA		C
"	17- 33	AA		C
VCKYTV1HB102K	17- 23	AA		C

PARTS CODE	NO.	PRICE RANK	NEW MARK	PART RANK
VCKYTV1HB102K	17- 24	AA		C
"	17- 32	AA		C
"	17- 34	AA		C
"	17- 35	AA		C
"	17- 36	AA		C
VCKYTV1HB103K	16- 147	AB		C
VCKYTV1HB221K	17- 31	AA		C
VCKYTV1HB222K	16- 38	AA		C
"	16- 48	AA		C
"	16- 53	AA		C
"	16- 62	AA		C
"	16- 64	AA		C
"	16- 69	AA		C
"	16- 70	AA		C
"	16- 71	AA		C
"	16- 72	AA		C
"	16- 73	AA		C
"	16- 74	AA		C
"	16- 75	AA		C
"	16- 76	AA		C
"	16- 80	AA		C
"	16- 81	AA		C
"	16- 82	AA		C
"	16- 83	AA		C
"	16- 84	AA		C
"	16- 85	AA		C
"	16- 88	AA		C
"	16- 91	AA		C
"	16- 96	AA		C
"	16- 99	AA		C
"	16- 102	AA		C
"	16- 112	AA		C
"	16- 144	AA		C
"	17- 29	AA		C
VCKYTV1HB331K	17- 21	AA		C
"	17- 28	AA		C
VCKYTV1HB333K	17- 27	AA		C
"	17- 37	AA		C
VCKYTV1HB472K	16- 146	AA		C
VCKYTV1HB821K	16- 55	AA		C
"	16- 67	AA		C
"	16- 90	AA		C
"	16- 93	AA		C
VCKYTV1HF104Z	16- 54	AA		C
"	16- 89	AA		C
VCTYPA1HF104Z	19- 6	AC		C
VHDDAP202U/-1	16- 164	AB		B
VHDRB411D// -1	16- 165	AD	N	B
"	16- 167	AD	N	B
"	16- 168	AD	N	B
"	16- 169	AD	N	B
"	16- 170	AD	N	B
"	16- 171	AD	N	B
"	16- 172	AD	N	B
"	16- 173	AD	N	B
"	16- 174	AD	N	B
"	16- 175	AD	N	B
"	16- 176	AD	N	B
"	16- 177	AD	N	B
"	16- 178	AD	N	B
"	16- 179	AD	N	B
"	16- 180	AD	N	B
"	16- 181	AD	N	B
"	16- 182	AD	N	B
"	16- 183	AD	N	B
"	16- 184	AD	N	B
"	16- 185	AD	N	B
"	16- 186	AD	N	B
"	16- 187	AD	N	B
"	16- 188	AD	N	B
"	16- 189	AD	N	B
"	16- 190	AD	N	B
"	16- 191	AD	N	B
VHD1SS355// -1	16- 162	AB		B
"	16- 163	AB		B
"	16- 166	AB		B
"	17- 43	AB		B
"	17- 44	AB		B
"	17- 45	AB		B
"	17- 46	AB		B

PARTS CODE	NO.	PRICE RANK	NEW MARK	PART RANK
VHEHZS2C1//1	17- 130	AB	N	B
"	17- 131	AB	N	B
"	17- 133	AB	N	B
"	17- 134	AB	N	B
VHEHZ27-1//1	17- 132	AB		B
VHIADM207AN-1	19- 9	AT	N	B
VHIBA10339F-1	16- 225	AD		B
VHIBU4053BCF1	16- 226	AE		B
VHIBU4066BCF1	17- 48	AD		B
"	17- 49	AD		B
VHIHD813201F1	16- 209	BE	N	B
VHIH647702120	16- 207	BS	N	B
VHILH28F80S10	16- 201	BH	N	B
VHILH5116NA10	16- 213	AL		B
VHILH5268TH10	16- 214	AR		B
"	16- 215	AR		B
VHILR38292/-1	16- 211	AY	N	B
VHILZ9FJ37/-1	16- 210	AY	N	B
VHIMC74HC04F-	16- 228	AC		B
VHIMC74HC08F-	16- 231	AC		B
"	16- 232	AC		B
VHIMC74HC14F-	16- 219	AD		B
VHIMC74HC157F	16- 233	AD		B
VHIMC74HC32F-	16- 229	AC		B
VHIMC74HC74F-	16- 230	AD		B
"	16- 234	AD		B
VHINJM2113M-1	17- 47	AG		B
VHINJM2904M-1	16- 217	AE		B
VHINJM4558MF-	16- 218	AC		B
"	17- 50	AC		B
"	17- 51	AC		B
"	17- 52	AC		B
VHINJU4051M-1	16- 222	AG		B
VHINJU6355E-1	16- 223	AM		B
VHIN78L05UA-1	16- 227	AK	N	B
VHIPBL3717/-2	16- 208	AL		B
"	16- 212	AL		B
VHIPST591CMT1	16- 220	AE		B
VHIR144AFXL/1	16- 198	BM		B
VHISN74LS244NR	16- 221	AG		B
VHISN74LS374NR	16- 224	AF		B
VHITLS1049/-1	16- 216	AV		B
VHIUPD3753CY1	20- 5	AY		B
VHI27040FAN0G	16- 199	BH		B
VHI27040FAN1G	16- 195	BH		B
VHI4M16SOJ-70	16- 202	BG	N	B
"	16- 205	BG	N	B
VHI4M8SOJ-70/	16- 204	BB	N	B
"	16- 206	BB	N	B
VHI58512M10-1	16- 197	BA	N	B
"	16- 203	BA	N	B
VHPSNL14A70-1	7- 34	BC	N	B
VHPTLP521-1BL	17- 64	AE		B
VHPTLP627//1	17- 63	AH		B
VHVCCP2E20/-1	16- 194	AE	N	B
VHVCCP2E30/-1	16- 192	AE	N	B
"	16- 193	AE	N	B
VHVRA391PV6-1	17- 1	AE	N	B
VHVTN07G471-1	17- 128	AB		B
"	17- 129	AB		B
VRD-HT2EY223J	17- 78	AA		C
VRD-HT2HY101J	17- 76	AA		C
VRD-HT2HY223J	17- 79	AA		C
VRD-HT2HY910J	16- 264	AA		C
VRS-HT2HAR47J	16- 262	AB	N	C
"	16- 263	AB	N	C
VRS-HT3AA470J	17- 77	AB	N	C
VRS-TP2BD000J	20- 6	AA		C
"	20- 8	AA		C
VRS-TP2BD222J	20- 9	AA		C
VRS-TQ2BB000J	16- 235	AA		C
"	16- 236	AA		C
"	16- 237	AA		C
"	16- 454	AA		C
VRS-TQ2BB200J	16- 470	AA	N	C
VRS-TQ2BB561J	16- 452	AA	N	C
VRS-TS2AD000J	17- 88	AA		C
VRS-TS2AD102J	17- 113	AA		C
"	17- 119	AA		C
"	17- 121	AA		C

PARTS CODE	NO.	PRICE RANK	NEW MARK	PART RANK
VRS-TS2AD103J	17- 81	AA		C
"	17- 82	AA		C
"	17- 89	AA		C
"	17- 123	AA		C
VRS-TS2AD104J	17- 86	AA		C
"	17- 101	AA		C
VRS-TS2AD113J	17- 83	AA		C
VRS-TS2AD151J	17- 114	AA		C
VRS-TS2AD153J	17- 96	AA		C
"	17- 112	AA		C
VRS-TS2AD183J	17- 97	AA		C
VRS-TS2AD221J	17- 110	AA		C
VRS-TS2AD222J	17- 115	AA		C
VRS-TS2AD223J	17- 80	AA		C
"	17- 91	AA		C
"	17- 92	AA		C
"	17- 93	AA		C
"	17- 98	AA		C
"	17- 100	AA		C
"	17- 102	AA		C
"	17- 103	AA		C
"	17- 104	AA		C
"	17- 105	AA		C
"	17- 107	AA		C
VRS-TS2AD243J	17- 95	AA		C
VRS-TS2AD273J	17- 84	AA		C
"	17- 124	AA		C
VRS-TS2AD331J	17- 118	AA		C
VRS-TS2AD332J	17- 87	AA		C
"	17- 116	AA		C
VRS-TS2AD393J	17- 94	AA		C
VRS-TS2AD473J	17- 117	AA		C
VRS-TS2AD513J	17- 111	AA		C
VRS-TS2AD621J	17- 108	AA		C
"	17- 109	AA		C
VRS-TS2AD681J	17- 99	AA		C
VRS-TS2AD683J	17- 120	AA		C
VRS-TS2AD751J	17- 106	AA		C
VRS-TS2AD753J	17- 85	AA		C
VRS-TS2AD822J	17- 90	AA		C
"	17- 122	AA		C
VRS-TV2AB000J	16- 239	AA		C
"	16- 240	AA		C
"	16- 241	AA		C
"	16- 251	AA		C
"	16- 252	AA		C
"	16- 253	AA		C
"	16- 282	AA		C
"	16- 283	AA		C
"	16- 284	AA		C
"	16- 296	AA		C
"	16- 322	AA		C
"	16- 323	AA		C
"	16- 324	AA		C
"	16- 326	AA		C
"	16- 332	AA		C
"	16- 334	AA		C
"	16- 337	AA		C
"	16- 339	AA		C
"	16- 340	AA		C
"	16- 343	AA		C
"	16- 368	AA		C
"	16- 438	AA		C
"	16- 441	AA		C
"	16- 453	AA		C
"	16- 456	AA		C
"	16- 471	AA		C
"	16- 477	AA		C
"	16- 478	AA		C
"	16- 479	AA		C
VRS-TV2AB100J	16- 265	AD		C
"	16- 266	AD		C
"	16- 267	AD		C
"	16- 268	AD		C
"	16- 269	AD		C
"	16- 270	AD		C
"	16- 271	AD		C
"	16- 272	AD		C
"	16- 278	AD		C
"	16- 279	AD		C

PARTS CODE	NO.	PRICE RANK	NEW MARK	PART RANK
VRS-TV2AB100J	16- 280	AD		C
"	16- 281	AD		C
"	16- 288	AD		C
"	16- 289	AD		C
"	16- 302	AD		C
"	16- 303	AD		C
"	16- 304	AD		C
"	16- 305	AD		C
"	16- 306	AD		C
"	16- 314	AD		C
"	16- 315	AD		C
"	16- 316	AD		C
"	16- 317	AD		C
"	16- 327	AD		C
"	16- 328	AD		C
"	16- 329	AD		C
"	16- 330	AD		C
"	16- 331	AD		C
"	16- 354	AD		C
"	16- 355	AD		C
"	16- 356	AD		C
"	16- 395	AD		C
"	16- 396	AD		C
VRS-TV2AB101J	16- 242	AA		C
"	16- 243	AA		C
"	16- 244	AA		C
"	16- 245	AA		C
"	16- 246	AA		C
"	16- 247	AA		C
"	16- 248	AA		C
"	16- 249	AA		C
"	16- 250	AA		C
"	16- 325	AA		C
"	16- 357	AA		C
"	16- 377	AA		C
"	16- 378	AA		C
"	16- 379	AA		C
"	16- 433	AA		C
"	16- 448	AA		C
"	16- 460	AA		C
"	16- 466	AA		C
VRS-TV2AB102J	16- 298	AA		C
"	16- 367	AA		C
"	16- 421	AA		C
"	16- 472	AA		C
"	16- 475	AA		C
VRS-TV2AB103J	16- 273	AA		C
"	16- 274	AA		C
"	16- 275	AA		C
"	16- 277	AA		C
"	16- 308	AA		C
"	16- 309	AA		C
"	16- 310	AA		C
"	16- 313	AA		C
"	16- 319	AA		C
"	16- 320	AA		C
"	16- 333	AA		C
"	16- 342	AA		C
"	16- 390	AA		C
"	16- 391	AA		C
"	16- 409	AA		C
"	16- 425	AA		C
"	16- 427	AA		C
"	16- 432	AA		C
"	16- 435	AA		C
"	16- 437	AA		C
"	16- 439	AA		C
"	16- 445	AA		C
"	16- 457	AA		C
"	16- 482	AA		C
VRS-TV2AB104J	16- 381	AA		C
VRS-TV2AB105J	16- 422	AA		C
VRS-TV2AB113J	16- 446	AA		C
VRS-TV2AB151J	16- 286	AA	N	C
"	16- 287	AA	N	C
"	16- 299	AA	N	C
"	16- 300	AA	N	C
"	16- 301	AA		C
VRS-TV2AB162J	16- 449	AA		C
VRS-TV2AB163J	16- 429	AA	N	C

PARTS CODE	NO.	PRICE RANK	NEW MARK	PART RANK
VRS-TV2AB184J	16-366	AD		C
VRS-TV2AB204J	16-365	AA		C
VRS-TV2AB222J	16-402	AA		C
VRS-TV2AB223J	16-458	AA		C
VRS-TV2AB271J	16-383	AA		C
"	16-384	AA		C
"	16-385	AA		C
"	16-386	AA		C
"	16-387	AA		C
"	16-388	AA		C
"	16-389	AA		C
"	16-403	AA		C
"	16-404	AA		C
"	16-405	AA		C
"	16-406	AA		C
"	16-408	AA		C
"	16-410	AA		C
"	16-424	AA		C
"	16-426	AA		C
"	16-436	AA		C
VRS-TV2AB302J	16-297	AA		C
"	16-480	AA		C
VRS-TV2AB330J	16-238	AD		C
"	16-344	AD		C
"	16-345	AD		C
"	16-346	AD		C
"	16-347	AD		C
"	16-348	AD		C
"	16-349	AD		C
"	16-350	AD		C
"	16-351	AD		C
"	16-352	AD		C
"	16-353	AD		C
"	16-369	AD		C
"	16-393	AD		C
"	16-394	AD		C
VRS-TV2AB332J	16-398	AA		C
"	16-399	AA		C
"	16-400	AA		C
"	16-401	AA		C
"	16-442	AA		C
VRS-TV2AB333J	16-290	AD		C
"	16-291	AD		C
VRS-TV2AB364J	16-430	AA		C
VRS-TV2AB392J	16-444	AD		C
"	16-450	AD		C
VRS-TV2AB432J	16-440	AA		C
VRS-TV2AB471J	16-370	AA		C
"	16-371	AA		C
"	16-372	AA		C
"	16-373	AA		C
"	16-374	AA		C
"	16-375	AA		C
"	16-376	AA		C
VRS-TV2AB472J	16-318	AA		C
"	16-321	AA		C
"	16-335	AA		C
"	16-336	AA		C
"	16-338	AA		C
"	16-358	AA		C
"	16-359	AA		C
"	16-360	AA		C
"	16-361	AA		C
"	16-362	AA		C
"	16-363	AA		C
"	16-364	AA		C
"	16-380	AA		C
"	16-382	AA		C
"	16-412	AA		C
"	16-413	AA		C
"	16-414	AA		C
"	16-415	AA		C
"	16-416	AA		C
"	16-417	AA		C
"	16-418	AA		C
"	16-419	AA		C
"	16-420	AA		C
"	16-431	AA		C
"	16-459	AA		C
"	16-461	AA		C

PARTS CODE	NO.	PRICE RANK	NEW MARK	PART RANK
VRS-TV2AB472J	16-462	AA		C
"	16-463	AA		C
"	16-464	AA		C
"	16-465	AA		C
"	16-467	AA		C
"	16-468	AA		C
"	16-469	AA		C
"	16-473	AA		C
"	16-474	AA		C
"	16-476	AA		C
VRS-TV2AB473J	16-312	AA		C
VRS-TV2AB512J	16-447	AA		C
VRS-TV2AB513J	16-481	AA	N	C
VRS-TV2AB561J	16-423	AD		C
VRS-TV2AB562J	16-434	AA		C
"	16-451	AA		C
VRS-TV2AB563J	16-341	AA		C
"	16-397	AA		C
VRS-TV2AB622J	16-411	AA		C
VRS-TV2AB680J	16-392	AA		C
"	16-407	AA		C
VRS-TV2AB681J	16-311	AA		C
VRS-TV2AB752J	16-443	AA		C
VRS-TV2AB753J	16-428	AA		C
VRSTS2AD1183F	16-294	AA		C
VRSTS2AD1742F	16-293	AA		C
VRSTS2AD4752F	16-295	AA		C
VRSTS2AD8662F	16-276	AA		C
"	16-292	AA		C
VSDTA114EK/-1	16-257	AB		B
"	16-258	AB		B
VSDTC114EK/-1	16-260	AB		B
"	17-65	AB		B
"	17-66	AB		B
"	17-67	AB		B
"	17-68	AB		B
"	17-69	AB		B
"	17-71	AB		B
"	17-72	AB		B
"	17-74	AB		B
"	17-75	AB		B
VS2SA1037KS-1	20-7	AB		B
VS2SC2412KR-1	17-70	AD		B
"	17-73	AD		B
VS2SC2413KP-1	16-259	AC		B
VS2SD1164/-1	16-256	AE		B
VS2SD1664Q/-1	16-261	AD	N	B
VVLLMG2025TPR	3-12	BA	N	B
[X]				
XBPSD30P06K00	50-B3	AA		C
XBPSD40P08K00	50-B4	AA		C
XBPSE30P08K00	50-B5	AA		C
XEBSD30P06000	50-B6	AA		C
XEBSD30P08000	50-B7	AA		C
XEBSD30P10000	50-B8	AA	N	C
XEBSE30P08000	50-B9	AA		C
XEBSE30P10000	50-B10	AA		C
XEPSD30P06X00	50-B16	AA		C
XHBSD30P06000	50-B11	AA		C
XHBSD30P08000	50-B12	AA		C
XHBSE30P06000	50-B13	AA		C
XHBSE30P10000	50-B14	AA		C
XHPSD30P08K00	50-B15	AA	N	C
XRESJ50-06000	50-W1	AA		C
XUBSD20P06000	50-B17	AA		C
XWHSD30-08100	50-W2	AA		C
[O]				
0AV1390000105	18-5	AS	N	C
0AV1390000106	18-19	AE	N	C
"	18-20	AE	N	C
"	18-21	AE	N	C
0AV1390000107	18-17	AC	N	C
0AV1390000108	18-18	AC	N	C
0AV1390000109	18-7	AC	N	C
0AV1390000110	18-15	AF	N	C
"	18-16	AF	N	C
0AV1471020090	18-13	AB		C
0AV1474720090	18-10	AB		C
0AV1540000003	18-1	AE	N	C
"	18-12	AE	N	C

PARTS CODE	NO.	PRICE RANK	NEW MARK	PART RANK
0AV1540000004	18-2	AF	N	C
0AV1610000004	18-25	AC		C
0AV1610000029	18-14	AC		C
0AV1610000045	18-6	AC		C
0AV1610000046	18-3	AD	N	C
"	18-4	AD	N	C
0AV1610000054	18-8	AD		C
0AV1610000060	18-9	AC	N	C
0AV1610000061	18-11	AD	N	C
0AV1610000062	18-24	AE	N	C
0AV1650000001	18-22	AF		C
"	18-23	AF		C
0AV2011023010	18-74	AA		C
"	18-77	AA		C
"	18-78	AA		C
0AV2011033010	18-61	AA		C
"	18-72	AA		C
0AV2011043010	18-79	AA		C
0AV2011533010	18-73	AA		C
0AV2013333010	18-68	AA		C
0AV2013343020	18-60	AB	N	C
0AV2013903020	18-62	AB	N	C
0AV2013933020	18-63	AB	N	C
"	18-64	AB	N	C
"	18-85	AB	N	C
0AV2014733020	18-71	AB		C
0AV2021023040	18-84	AB		C
0AV2023903040	18-67	AC	N	C
0AV2024783040	18-65	AC	N	C
"	18-66	AC	N	C
0AV2041513020	18-76	AC	N	C
0AV2042203020	18-75	AC		C
0AV2046803010	18-70	AC	N	C
0AV2048203010	18-69	AC		C
0AV2990002000	18-83	AB		C
0AV2990010000	18-81	AC		C
0AV2990014000	18-82	AC	N	C
0AV2990015000	18-80	AC	N	C
0AV3001015500	18-59	AC		B
0AV3042543000	18-58	AQ	N	B
0AV3050019000	18-33	AF		B
0AV3050030000	18-35	AA		B
"	18-38	AA		B
0AV3050066000	18-37	AH		B
0AV3050075000	18-39	AF	N	B
0AV3060021000	18-32	AB		B
0AV3060033000	18-31	AH		B
0AV3070093000	18-34	AC	N	B
0AV3070094000	18-36	AC	N	B
0AV3080621200	18-56	AF		B
0AV3090016000	18-48	AG		B
0AV3090041000	18-46	AF		B
0AV3090056000	18-45	AP		B
0AV3090060000	18-47	AR	N	B
0AV3160025000	18-89	AN	N	B
0AV3180000003	18-57	AP	N	B
0AV4000094411	18-87	AX	N	B
0AV4050013000	18-54	AE	N	C
0AV4050014000	18-53	AE	N	C
"	18-55	AE	N	C
0AV4070044000	18-49	AK		C
"	18-50	AK		C
0AV4120002000	18-51	AC		C
"	18-52	AC		C
0AV5030036000	18-28	AC		C
0AV5030088000	18-29	AD	N	C
0AV5030089000	18-30	AG	N	C
0AV5030090000	18-26	AD	N	C
0AV5030091000	18-27	AE	N	C
0AV5040010000	18-86	AP	N	B
0AV5050008000	18-93	AC	N	C
0AV5060031000	18-40	AG		A
0AV5060067000	18-42	AF		A
"	18-43	AF		A
"	18-44	AF		A
0AV5070000012	18-41	AF	N	A
0AV5140017000	18-88	AE	N	B
0AV5180006000	18-94	AD	N	C
0AV5190002000	18-90	AF		B
0AV5190003000	18-91	AF		B

PARTS CODE	NO.	PRICE RANK	NEW MARK	PART RANK
0AV5190003000	18- 92	AF		B
0AV6114084711	18- 95	AH	N	C
0AV6114085811	18- 96	AK	N	C
0AV6114086811	18- 97	AE	N	C
0AV7510012000	18- 98	AB	N	C
0AV7700017000	18- 99	AD	N	C
0AV8117730514	18- 100	AB	N	C
0AV8130730414	18- 101	AB	N	C
OKW0910362001	10- 46	AC	N	C
OKW0928300602	13- 12	AG	N	C
OKW0928301902	13- 15	AL	N	C
OKW0933382612	13- 3	AH	N	C
OKW0933384002	13- 2	AF	N	C
OKW0933390202	14- 6	AT	N	C
OKW0933390302	14- 10	AT	N	C
OKW0933392201	14- 5	AN	N	C
OKW0933392301	14- 11	AN	N	C
OKW0956202701	9- 62	AF		C
OKW0957010101	10- 50	AZ		E
OKW0957251103	13- 20	AG	N	C
OKW0957320801	11- 7	AF		C
OKW0957321501	11- 4	AE		C
OKW0957551101	12- 23	AK	N	C
OKW0957552702	12- 34	AF		C
OKW0972553101	12- 15	AE		C
OKW0992010224	11- 2	AV		E
OKW0992011903	9- 2	CA	N	E
OKW0992012102	9- 67	AX		B
OKW0992039101	11- 13	BQ		E
OKW0992044301	10- 7	AS	N	C
OKW0992048303	12- 13	CD	N	E
OKW0992053306	10- 1	CA		E
OKW0992075101	9- 47	BB		C
OKW0992075201	10- 29	AZ	N	C
OKW0992075901	11- 9	BA	N	C
OKW0992100601	8- 17	AF	N	C
OKW0992101703	12- 2	AC	N	C
OKW0992180102	8- 11	BH	N	C
OKW0992180203	12- 3	AY	N	C
OKW0992180302	8- 3	AQ	N	C
OKW0992180401	8- 19	AL	N	C
OKW0992180501	8- 21	AF	N	C
OKW0992180601	12- 44	AE	N	C
OKW0992180701	8- 23	AE	N	C
OKW0992200117	9- 4	BG	N	D
OKW0992200412	9- 29	AL	N	C
OKW0992200512	9- 3	AQ	N	C
OKW0992200603	10- 3	AF	N	C
OKW0992200701	10- 2	AD	N	C
OKW0992201201	10- 4	AD	N	C
OKW0992201304	10- 31	AD	N	C
OKW0992201902	10- 9	AF	N	C
OKW0992202014	10- 11	AD	N	C
OKW0992202101	10- 12	AC	N	C
OKW0992202202	10- 32	AF	N	C
OKW0992202301	9- 5	AD	N	C
OKW0992202401	10- 24	AD	N	C
OKW0992203301	9- 57	AC	N	C
OKW0992203401	9- 30	AQ	N	C
OKW0992203801	9- 63	AD	N	C
OKW0992230413	8- 6	AG	N	C
OKW0992230514	9- 13	AF	N	C
OKW0992230712	9- 1	AP	N	C
OKW0992230825	9- 18	AH	N	C
OKW0992231002	8- 5	AG	N	C
OKW0992231101	9- 61	AC	N	C
"	10- 33	AC	N	C
OKW0992231314	9- 23	AF	N	C
OKW0992232012	9- 7	AD	N	C
OKW0992241202	10- 14	AF	N	C
OKW0992241302	10- 13	AF	N	C
OKW0992241402	9- 9	AD	N	C
OKW0992242301	9- 64	AF	N	D
OKW0992250102	9- 32	AL	N	C
OKW0992250213	9- 27	AH	N	C
OKW0992250301	9- 25	AG	N	C
OKW0992250401	9- 26	AG	N	C
OKW0992250512	9- 28	AH	N	C
OKW0992250601	9- 35	AF	N	C
OKW0992250701	9- 33	AG	N	C

PARTS CODE	NO.	PRICE RANK	NEW MARK	PART RANK
OKW0992250813	12- 7	AG	N	C
OKW0992250901	12- 8	AF	N	C
OKW0992251001	12- 12	AN	N	C
OKW0992251112	12- 11	AD	N	C
OKW0992251212	12- 10	AF	N	C
OKW0992251301	12- 9	AC	N	C
OKW0992251401	9- 34	AF	N	C
OKW0992255001	12- 6	AF	N	C
OKW0992255101	12- 5	AC	N	C
OKW0992255202	12- 4	AF	N	C
OKW0992280102	9- 8	AX	N	C
OKW0992280201	9- 10	AQ	N	C
OKW0992280301	9- 66	AF	N	C
OKW0992280401	9- 78	AE	N	C
OKW0992281201	9- 65	AH	N	C
OKW0992300124	9- 24	AQ		C
OKW0992300202	9- 52	AR		C
OKW0992300301	10- 27	AF	N	C
OKW0992300601	9- 43	AD	N	C
"	10- 17	AD	N	C
OKW0992300701	10- 21	AD	N	C
OKW0992300802	9- 19	AF	N	C
OKW0992300901	9- 20	AD	N	C
OKW0992301012	9- 15	AG	N	C
OKW0992301102	9- 38	AD	N	C
OKW0992301401	9- 37	AD	N	C
OKW0992301502	9- 17	AD	N	C
OKW0992301603	10- 22	AD	N	C
OKW0992301804	9- 42	AD	N	C
OKW0992301901	9- 16	AF	N	C
OKW0992302112	9- 54	AF	N	C
OKW0992302202	9- 48	AF	N	C
OKW0992302401	10- 23	AN	N	C
OKW0992302501	10- 30	AD	N	C
OKW0992302902	9- 22	AM	N	C
OKW0992303505	9- 44	AF	N	C
OKW0992304001	9- 21	AC	N	C
"	13- 26	AC	N	C
OKW0992304101	9- 46	AC	N	C
OKW0992304513	10- 16	AD	N	C
OKW0992305036	10- 15	AD	N	C
OKW0992305201	9- 60	AC	N	C
OKW0992305301	10- 41	AC	N	C
OKW0992305501	10- 42	AG	N	C
OKW0992310401	10- 28	AL	N	C
OKW0992320102	10- 20	AG	N	C
OKW0992320701	10- 18	AF	N	C
OKW0992320801	10- 44	AC	N	C
OKW0992350102	9- 49	AR	N	C
OKW0992350205	9- 41	AN	N	C
OKW0992350301	9- 40	AD	N	C
OKW0992370601	12- 35	AF	N	C
OKW0992370701	11- 6	AD	N	C
OKW0992370901	11- 5	AD	N	C
OKW0992371101	11- 3	AD	N	C
OKW0992380101	11- 21	AF	N	C
OKW0992380202	11- 22	AH	N	C
OKW0992380301	10- 53	AF	N	C
OKW0992381501	11- 1	AL	N	C
OKW0992382001	11- 8	AV	N	C
OKW0992401503	12- 14	AH	N	C
OKW0992410112	9- 51	AP	N	C
OKW0992420101	11- 16	BL		C
OKW0992420301	11- 15	AS	N	C
OKW0992420412	11- 19	AH	N	C
OKW0992420512	11- 14	AG	N	C
OKW0992420601	11- 12	AG	N	C
OKW0992420712	11- 10	AD	N	C
OKW0992420812	11- 20	AC	N	C
OKW0992421001	11- 11	AH	N	C
OKW0992421301	11- 17	AG	N	C
OKW0992421402	11- 18	AC	N	C
OKW0992551201	12- 16	AL	N	C
OKW0992551713	12- 19	AC	N	C
OKW0992551801	12- 36	AD	N	C
OKW0992551901	12- 37	AC	N	C
OKW0992552101	12- 17	AH	N	C
OKW0992552401	12- 21	AD	N	C
OKW0992553103	12- 18	AF	N	C
OKW0992553201	12- 30	AD	N	C

PARTS CODE	NO.	PRICE RANK	NEW MARK	PART RANK
OKW0992553303	12- 33	AH	N	C
OKW0992554001	12- 24	BF		C
OKW0992554101	12- 25	BR		C
OKW0992554501	12- 45	AU	N	C
OKW0992562501	12- 29	AQ	N	C
OKW0992562601	12- 27	AN	N	C
OKW0992563401	12- 22	AD	N	C
OKW0992580602	12- 32	BT	N	C
OKW0992605202	9- 55	AL	N	C
OKW0992605301	12- 39	AG	N	C
OKW0992605413	10- 8	AQ	N	C
OKW0992605501	10- 19	AU	N	C
OKW0992605601	10- 5	AN	N	C
OKW0992606101	10- 38	AN	N	C
OKW0992606604	12- 20	AQ	N	C
OKW0992606801	9- 68	AQ	N	C
OKW0992610401	9- 31	BF		B
OKW0992621213	9- 39	AV		B
OKW0992605051	12- 31	BE		B
OKW0992671301	12- 28	BB		B
OKW0992671501	12- 26	AZ		B
OKW0992731201	12- 40	AF	N	D
OKW0992731203	10- 49	AH	N	C
OKW0997605101	10- 51	AL	N	C
OKW0997605201	10- 47	AM	N	C
OKW0997610201	8- 4	BC		B
OKW0997621204	10- 6	BV		E
OKW0997630101	10- 48	AN		B
OKW1200123602	9- 53	AC	N	C
OKW1200312003	13- 13	AD	N	C
OKW4150010103	13- 32	BS	N	E
OKW4150020201	13- 23	AX	N	C
OKW41501012902	13- 19	AH	N	C
OKW4150104301	13- 27	AR		C
OKW4150180103	13- 5	AU	N	C
OKW4150180201	13- 4	AX	N	C
OKW4150180303	13- 34	AY	N	C
OKW4150180702	14- 1	BA	N	C
OKW4150180801	14- 2	AD	N	C
OKW4150180901	13- 9	AP	N	C
OKW4150181001	13- 33	AP	N	C
OKW4150181301	13- 1	AG	N	C
OKW4150181502	14- 8	AN	N	C
OKW4150181703	13- 30	AN	N	C
OKW4150181801	14- 3	AQ	N	C
OKW4150181901	13- 28	AP	N	C
OKW4150182001	13- 11	AV	N	C
OKW4150182201	13- 31	AL	N	C
OKW4150182402	14- 4	AL	N	C
OKW4150182503	14- 7	BK	N	C
OKW4150182701	14- 12	AH	N	C
OKW4150182801	14- 22	AE	N	C
OKW4150183101	13- 16	AG	N	C
OKW4150183201	13- 14	AF	N	C
OKW4150183301	13- 17	AF	N	C
OKW4150183602	13- 29	AH	N	C
OKW4150184501	13- 6	AD	N	C
OKW4150184601	13- 7	AD	N	C
OKW4150184701	13- 41	AF	N	C
OKW4150620101	13- 18	BT		B
OKW4150731301	14- 13	AF	N	D
OKW9335141031	9- 36	BA		B
"	12- 38	BA		B
OKW9383251011	9- 58	AD	N	C
OKW9384131091	13- 42	AC	N	C
OKW9384131111	10- 37	AC	N	C
OKW9646030613	12- 42	AB		C
OKW9646030813	9- 73	AB	N	C
OKW9646040813	13- 39	AC	N	C
OKW9721040001	9- 77	AB	N	C
"	13- 40	AB	N	C
OKW9733031013	12- 43	AB		C
OKW9733031413	9- 76	AB	N	C
OKW9735030613	9- 71	AB		C
"	10- 56	AB		C
OKW9735030813	9- 75	AC	N	C
"	10- 55	AC	N	C
OKW9735031213	10- 58	AB		C
OKW9739030613	11- 24	AB	N	C
OKW9739030813	8- 22	AB		C

CAUTION FOR BATTERY REPLACEMENT

- (Danish) ADVARSEL !
Lithiumbatteri-Eksplosionsfare ved fejlagtig håndtering.
Udskiftning må kun ske med batteri
af samme fabrikat og type.
Levér det brugte batteri tilbage til leverandoren.
- (English) Caution !
Danger of explosion if battery is incorrectly replaced.
Replace only with the same or equivalent type
recommended by the equipment manufacturer.
Discard used batteries according to manufacturer's instructions.
- (Finnish) VAROITUS
Paristo voi räjähtää, jos se on virheellisesti asennettu.
Vaihda paristo ainoastaan laitevalmistajan suosittelemaan
tyyppiin. Hävitä käytetty paristo valmistajan ohjeiden
mukaisesti.
- (French) ATTENTION
Il y a danger d'explosion s' il y a remplacement incorrect
de la batterie. Remplacer uniquement avec une batterie du
même type ou d'un type recommandé par le constructeur.
Mettre au rebut les batteries usagées conformément aux
instructions du fabricant.
- (Swedish) VARNING
Explosionsfare vid felaktigt batteribyte.
Använd samma batterityp eller en ekvivalent
typ som rekommenderas av apparatillverkaren.
Kassera använt batteri enligt fabrikantens
instruktion.
- (German) Achtung
Explosionsgefahr bei Verwendung inkorrektter Batterien.
Als Ersatzbatterien dürfen nur Batterien vom gleichen Typ oder
vom Hersteller empfohlene Batterien verwendet werden.
Entsorgung der gebrauchten Batterien nur nach den vom
Hersteller angegebenen Anweisungen.

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