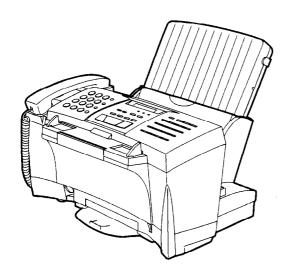
SHARP SERVICE MANUAL

No. 00ZU220CMUSME



FACSIMILE

UX-2200CM MODEL FO-2150CM

CH/ .. 1-1 [1] (

CONTENTS -

[1] Specifications	1-1
[2] Operation panel	1-2
[3] Transmittable documents	1-3
[4] Installation	1-4
[5] Quick reference guide	1-9
CHAPTER 2. ADJUSTMENTS	
[1] Adjustments	2-1
[2] Diagnostics and service soft switch .	2-2
[3] Troubleshooting	2-17
[4] Error code table	2-18
[4] Life code table	2-10
CHAPTER 3. MECHANISM BLOCKS	2-10
CHAPTER 3. MECHANISM BLOCKS	
CHAPTER 3. MECHANISM BLOCKS [1] General description	3-1
CHAPTER 3. MECHANISM BLOCKS [1] General description	3-1
CHAPTER 3. MECHANISM BLOCKS [1] General description	3-1
CHAPTER 3. MECHANISM BLOCKS [1] General description	3-1 3-4 4-1
CHAPTER 3. MECHANISM BLOCKS [1] General description	3-1 3-4 4-1 4-2

CHAPTER 1. GENERAL DESCRIPTION

CHAPTER 5. CIRCUIT DESCRIPTION
[1] Circuit description 5-1
[2] Circuit description of control PWB5-2
[3] Circuit description of TEL/LIU PWB5-11
[4] Circuit description of
power supply PWB5-14
[5] Circuit description of CIS PWB 5-14
CHAPTER 6. CIRCUIT SCHEMATICS AND
PARTS LAYOUT
[1] Control PWB circuit 6-1
[2] TEL/LIU PWB circuit 6-12
[3] Ink sensor PWB circuit 6-14
[4] Printer PWB circuit6-16
[5] Operation panel PWB circuit 6-22
[6] IrDA PWB circuit 6-23
[7] Power supply PWB circuit 6-25
CHAPTER 7. OPERATION FLOWCHART
[1] Protocol 7-1
[2] Power on sequence 7-2
CHAPTER 8. OTHERS
[1] Service tools 8-1
[2] IC signal name 8-6
PARTS GUIDE

Parts marked with " 1 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.

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 rébut les batteries usagées conformément aux instructions du fabricant.

(Swedish)

VARNING

Explosionsfare vid felaktigt batteribyte.
Använd samma batterityp eller en ekvivalent
typ som rekommenderas av apparattillverkaren.
Kassera använt batteri enligt fabrikantens
instruktion.

(German)

Achtung

Explosionsgefahr bei Verwendung inkorrekter 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.

CHAPTER 1. GENERAL DESCRIPTION

[1] Specifications

Printing specifications

Color: Sharp UX-27CC **Print cartridges**

Black: Sharp UX-22BC

Print resolution High: 600 x 600 dpi (both color and black)

Normal: 300 x 300 dpi

Color: Up to 2 pages per minute Print speed

Black: Up to 3 pages per minute

Paper types Index cards, envelopes, labels, transparen-

> cies, glossy film, greeting cards, iron-on transfers, plain, coated, and glossy paper.

Fax specifications

Automatic dialing Rapid Key Dialing: 38 numbers

Speed Dialing: 61 numbers

Memory size*:

512 KB (approx. 42 average pages)

Automatic document 20 sheets max.

feeder

14400 bps with automatic fallback to 12000, Modem speed

9600, 7200, 4800, or 2400 bps

Transmission time*

Approx. 6 seconds (Sharp special mode)

Display

16-digit LCD display

Reception modes Auto/Manual

Resolution Horizontal: 203 pels/inch (8 pels/mm)

Vertical:

Standard: 98 lines/inch (3.85 lines/mm)

Fine /Halftone:

196 lines/inch (7.7 lines/mm) Super fine (transmission only): 391 lines/inch (15.4 lines/mm)

Halftone (grayscale) 64 levels

Applicable telephone line Public switched telephone network

Compatibility

ITU-T (CCITT) G3 mode

Configuration

Half-duplex, desktop transceiver

Compression scheme

MH, MR, MMR

Scanning method

Sheet-feeder CIS (Contact Image Sensor)

Effective recording

width

8" (203 mm) max.

Input document size

Automatic feeding:

Width: 5.8 to 8.5" (148 to 216 mm) Length: 5.5 to 11" (140 to 279 mm)

Manual feeding:

Width: 5.8 to 8.5" (148 to 216 mm) Length: 5.5 to 39.4" (140 to 1000 mm)

Effective scanning width 8.3" (210 mm) max.

Contrast control

Automatic/Dark selectable

Copying specifications

Horizontal: Resolution

203 pels/inch (8 pels/mm)

Vertical:

196 lines/inch (7.7 lines/mm)

Multiple copies

Up to 99

Copy reduction/

50%, 75%, 120%, 150%

enlargement

PC monochrome scanning specifications

Resolution

Enhanced 400 dpi

Haiftone (grayscale)

64 levels

General specifications

Power requirements

120 V AC, 60 Hz

Operating temperature

10 to 35°C (10 to 35°C)

Operating humidity

30 - 80%RH

Power consumption

Stand-by: 8.5 W

Maximum: 40 W

Dimensions

Width: 16.0" (406 mm) Depth: 12.0" (306 mm) Height: 10.0" (255 mm) (Without attachments)

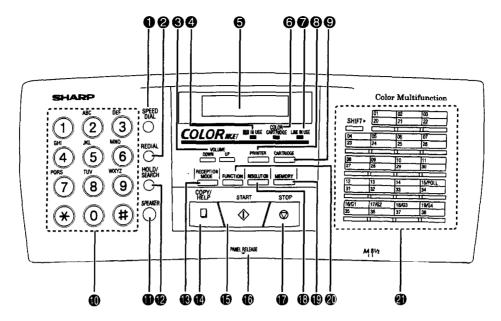
Weight

Approx. 13.0 lbs. (5.9 kg) (without attachments)

As a part of our policy of continuous improvement, SHARP reserves the right to make design and specification changes for procduct improvement without prior notice. The performance specifications figures indicated are nominal values of production units. There may be some deviation from these values in individual units.

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

[2] Operation panel



SPEED DIAL key

Press this key to dial a 2-digit Speed Dial number.

REDIAL key

Press this key to automatically redial the last number dialed.

VOLUME keys

Press these keys to adjust the volume of the handset when the handset is lifted, the volume of the speaker when the **SPEAKER** key has been pressed, or the volume of the ringer at all other times.

IR IN USE light

This blinks while the Sharp Color MFP is receiving data by infrared transmission from a notebook computer, digital camera, or Zaurus.

Display

This displays messages and prompts during operation and programming.

COLOR CARTRIDGE light

This lights when a color print cartridge is installed. Faxes are received to memory when this light is on.

LINE IN USE light

This lights while the Sharp Color MFP is using the telephone line.

PRINTER key

Press this key to eject paper from the machine, or reset the machine after clearing a paper jam or other printer error.

CARTRIDGE key

Press this key to change a print cartridge or install a new print cartridge.

Number keys

Use these keys to dial numbers, and enter numbers and letters during number/name storing procedures.

SPEAKER key

Press this key to hear the line and fax tones through the speaker when sending a document.

Note: This is not a speakerphone. You must pick up the handset to talk with the other party.

10 HOLD/SEARCH key

Press this key to search for an automatic dialing number, or, during a phone conversation, press this key to put the other party on hold.

® RECEPTION MODE key

Press this key to select the reception mode. The selected mode will appear in the display.

☼ COPY/HELP key

When a document is in the feeder, press this key to make a copy. At any other time, press this key to print out the Help List, a quick reference guide to the operation of your fax.

5 START key

Press this key to send or receive a document.

1 PANEL RELEASE

Pull this release up to open the operation panel.

T STOP key

Press this key to stop operations before they are completed.

RESOLUTION key

Press this key to adjust the resolution and contrast before sending or copying a document.

MEMORY key

Press this key to scan a document into memory before transmitting it.

30 FUNCTION key

Press this key to select various special functions.

Rapid Dial Keys

Press one of these keys to dial a fax or voice number automatically. To dial the bottom number on a Rapid Key, press the **SHIFT** key before pressing the Rapid Key. (Note that you must attach the Rapid Key labels.)

[3] Transmittable documents

1. Document Sizes

Normal size	width	5.83"-6	-8.5"(148 – 216 mm)					
Normal Size	length	5.04"-	5.04"-11"(128 – 297 mm)					
(Min.) * * 128r	(Max.) Letter size	279mm	(Max.)	1000mm				
148mm	216mm [Normal size	e] [216mm Special size	•]				

XX 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

	ADF 10	Thickness	2.4x10 ⁻³ – 4.7x10 ⁻³ inch (0.06–0.12 mm)
No mandaine	sheets	Weight	0.15x10 ⁻³ lbs/inch ² (52–104g/ m ²) (14–28 lbs)
Normal size	ADF 20	Thickness	2.4x10 ³ – 3.5x10 ³ inch (0.06–0.09 mm)
	sheets	Weight	0.77x10³ - 0.11x10³ inch (52-74.3g/ m²) (14-20 lbs)
Special	0		4.7x10 ³ – 7.9x10 ³ inch (0.12–0.20 mm)
Special s)iZ U	Weight	0.15x10 ⁻³ - 0.20x10 ⁻³ lbs/inch ² (52-157g/ m ²)

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 (blue print)

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. ADF 20 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.

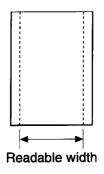
6. Readable Width & Length

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.

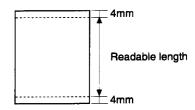
Readable width

210 mm, max.



Readable length

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

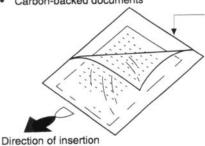


7. Use of Document Carrier Sheet

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

- Those with tears.
- Those smaller than size 5.83"(W) x 5.04"(L) (148 mm (W) x 128 mm (L)).

Carbon-backed documents



Make print straight across paper E.G. Place the document carrier in the document feeder with the clear film side down

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

[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 5° and 35°C.
- The humidity should be between 30% and 85% (without condensation).

ELECTRICITY

120V, 60Hz, 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.

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

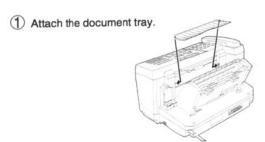
If the machine is moved from a cold to a warm place, it is possible that the reading glass may fog up, preventing proper scanning of documents for transmission. To remove the fog, turn on the power and wait approximately 2 hours before using the machine.

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 needed to have one installed, contact the telephone company.

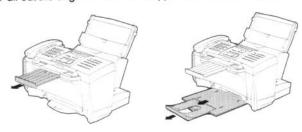
2. Trays



2 Insert the paper tray into the back of the machine as shown.



3 Pull out the original document support and the output tray.



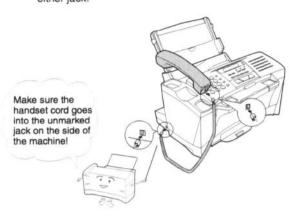
Note: When receiving faxes, copying or printing, do not let a large number of pages accumulate in the output tray. This may obstruct the outlet and cause paper jams.

3. Connections

1 Handset

Connect the handset as shown and place it on the handset rest.

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



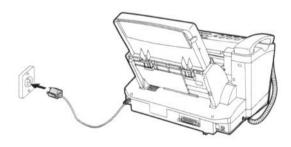


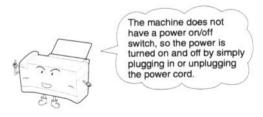
2 Power cord

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

Caution!

Do not plug the power cord into any other kind of outlet. This will damage the machine and is not covered under the warranty.



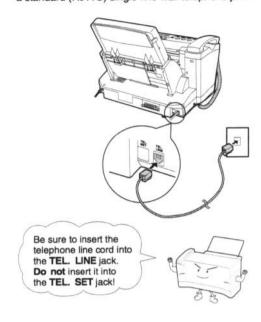


Note: If your area experiences a high incidence of lightning or power surges, we recommend that you install surge protectors for the power and telephone lines.

Surge protectors can be purchased at most telephone specialty stores.

3 Telephone line cord

Insert one end of the line cord into the jack on the back of the machine marked **TEL. LINE**. Insert the other end into a standard (RJ11C) single-line wall telephone jack.



Note: The Sharp MFP is set for touch-tone dialing. If you are on a pulse dial (rotary) line, you must set the Sharp MFP for pulse dialing. Press the following keys on the operation panel:



4. Installing a Print Cartrige

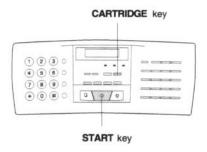
Your Sharp Color MFP uses either a UX-27CC color print cartridge or a UX-22BC black print cartridge.

We recommend that you keep a black cartridge installed for normal use, and change to a color cartridge only when you need to print a color job.





Note:If you receive a fax when a color print cartridge is installed, the fax will be held in memory and printed out when a black cartridge is installed.



1 Press the CARTRIDGE key.



- The cartridge carrier will move to the center of the print compartment.
- 2 Open the front cover of the Sharp Color MFP.

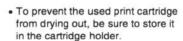


Note on changing cartridges:

When you need to change a print cartridge, remove the currently installed cartridge after Step 2 above. Remove the cartridge by pulling the knob on the cartridge toward you until you hear a click.



If the cartridge is still useable, insert it into the cartridge holder on the back of the machine. Push back on the cartridge until it snaps into place.



3 Remove the new print cartridge from its packaging.



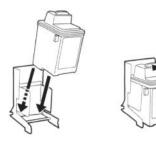
Gently remove the sticker and transparent tape covering the copper printhead.



Do not touch the copper contact area!



(5) Insert the print cartridge into the cartridge carrier. Push back on the cartridge until it snaps into place.



Note: If the print cartridge moves loosely in the carrier, it is not locked into place. Repeat this step.

6 Close the front cover.



(7) Press the START key.



The display on the Sharp Color MFP will show:

SELECT CARTRIDGE

Press 1 if you installed a new cartridge, or 2 if you installed an old cartridge.

Press the 3 key if you installed a new black cartridge, or the 4 key if you installed a new color cartridge. (When installing a previously used cartridge, press the 1 key for a used black cartridge or the 2 key for a used color cartridge.)

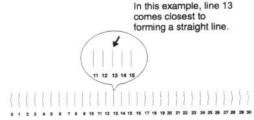
NEW BLACK CART. NEW COLOR CART.







- The cartridge will return to its home position. If you pressed 3 or 4 for a new cartridge, the Sharp MFP will print a test page for printhead alignment.
- If you installed a new print cartridge, look at the test page and locate the line that comes closest to forming a perfectly straight line.



Press these keys on the Sharp MFP:











The display will show: ALIGN CARTRIDGE

ENTER (00-30) 15

START: PRINT

Enter the two-digit number of the straightest line on the test page. (If the number is less than 10, enter a 0 before the number.)

Example: Line 13





The display will show: CLEAN NOZZLES

Press the STOP key to return to the time and date display.



Note: If you have installed a color cartridge, the display will show the following alternating messages:

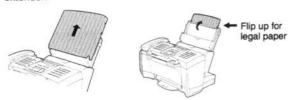
COLOR CARTRIDGE

USE BLACK FOR RX

5. Loading Printing Paper

You can load letter or legal size paper in the paper tray. The maximum number of sheets is:

- 200 for paper from 16 to 20 lbs. (60 to 80 g/m²)
- 150 for paper from 20 to 24 lbs. (90 g/m²) (such as coated paper)
- 1 Remove the paper cover if it is on the paper tray.
 - If you are going to load legal size paper, flip up the paper tray extender.



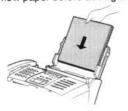
(2) Fan the paper, and then tap the edge against a flat surface to even the stack.



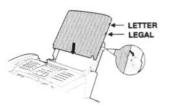
3 Pull the paper release plate toward you.



- (4) Insert the stack of paper into the tray, print side up
 - If paper remains in the tray, take it out and combine it into a single stack with the new paper before adding the new paper.



(5) Replace the paper cover on the paper tray.



- 6 Push the paper release plate back down.
 - Important Be sure to replace the paper cover before you push the paper release plate down.



The Sharp Color MFP has been set at the factory to scale the size of received faxes to letter size paper. If you have loaded legal paper, you must change the paper size setting to legal. Press these keys:







The display will show: PAPER SIZE

Press to select LETTER,2 to select LEGAL, or 3 to select A4.

LETTER:





Press the STOP key to return to the date and time display.



Note: This setting is only for received faxes. To set the paper size for printing from your computer, see your online Operation Guide.

8 The Sharp Color MFP has been set at the factory to print on plain paper. If you have loaded coated paper, you must change the media type setting to COATED. Press these keys:









The display will show: MEDIA TYPE

Press to select PLAIN or 2 to select COATED.

PLAIN COATED







Press the STOP key to return to the date and time display.



6. Clearing Paper Jams

Clearing a jammed document

If the original document doesn't feed properly during transmission or copying, or DOCUMENT JAMMED appears in the display, first try pressing the START key. If the document doesn't feed out, open the operation panel and remove it.

Important

Do not try to remove a document without opening the operation panel. This may damage the feeder mechanism.

1 Pull the release marked PANEL RELEASE up and open the operation panel.



Remove the document.



3 Close the operation panel, making sure it clicks into place.



Clearing jammed prining paper

1 Open the front cover of the Sharp MFP.



(2) Grasp the leading edge of the jammed paper and pull it out of the machine.



3 If it is too difficult to pull the jammed paper out from the front of the machine, remove the paper tray cover, pull the paper release plate toward you, and pull the jammed paper out from the back of the machine.



- 4 Make sure there are no torn pieces of paper remaining in the machine.
- (5) Close the front cover. Replace the paper tray cover (if removed), and then press the paper release plate back down.



6 Press the **PRINTER** key to reset the Sharp MFP.



[5] Quick reference guide

CHANGING PRINT **CARTRIDGES**

1. Press:



- 2. Open the front cover of the Sharp Color MFP.
- 3. Remove the current print cartridge.
- · If the cartridge is still useable, insert it in the holder on the back of the machine. Push back on the cartridge until it snaps into place.



4. If you are installing a new print cartridge, remove the cartridge from its packaging. Remove the sticker and tape from the cartridge.



5. Insert the print cartridge into the cartridge carrier. Push back until it snaps into place.



6. Press:



Display shows:

SELECT CARTRIDGE

- 7. Press 1 if you installed a new cartridge, or 2 if you installed an old cartridge.
- If you pressed 1 for a new cartridge, then the display will ask you what type of cartridge you installed. Press the 3 key for a new black cartridge or the 4 key for a new color cartridge.

The sharp MFP will print a test page for printhead alignment.

- 8. Close the front cover.
- 9. If you installed a new print cartridge, press:











Display shows:

ALIGN CARTRIDGE

- 10. Enter the two-digit number of the straightest line on the test page.
- 11.Press:



MAKING COPIES

1. Place the document (up to 20 pages) face down in the document feeder.



2. If you are copying onto a transparency or special paper, flip up the original document output support and insert the media into the manual paper feeder.



3. Press:



- 4. Press 1 to use the preset copy settings, or 2 (MANU) to select each setting individually.
- 5. If you are making one copy per original, press the START key. If you are making multiple copies per original, enter the number of copies per original (if the number is less than 10, enter a "0" before the number).
- If you selected PRESET in Step 4, go to Step 10.
- 6. Enter a number for the size of the printing media:
 - 1: LETTER
 - 2: LEGAL
 - 3: A4
- 7. Enter a number to select reduction/enlargement.
 - 1: AUTO
 - 2: 50%
 - 3: 75%
 - 4: 100% (no reduction or enlargement)
 - 5: 120%
 - 6: 150%
- 8. Select the type of media to be used:
 - 1: PLAIN PAPER
 - 2: COATED PAPER
 - 3: TRANSPARENCY

(Note: Setting 3 only appears if you inserted a sheet of media in the manual feeder.)

- 9. Select the copy print quality. Press 1 for NORMAL or 2 for DRAFT.
- 10.If desired, press the RESOLUTION key to adjust the resolution and/or contrast (the default settings are FINE and AUTO).
- 11. Press START to begin copying.



STORING AND CLEARING NUMBERS FOR AUTO DIALING

1. Press:







Display shows:

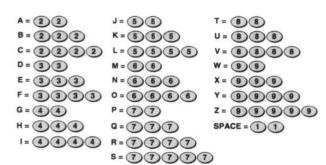
FAX/TEL # MODE

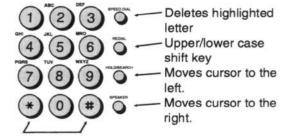
- 2. Press 1 to store a number or 2 to clear a number.
- 3. Enter a 2-digit Speed Dial number (from 01 to 38 for Rapid Key Dialing, or 39 to 99 for Speed Dialing). (If you are clearing a number, go to Step 7.)
- 4. Enter the full telephone/fax number.

5. Press:



- 6. Enter the name of the location by pressing number keys as shown below (max. of 20 characters).
- To enter two letters in succession that require the same key, press the SPEAKER key after entering the first letter.





Press either key one or more times to select and enter a symbol.

7. Press:





SENDING DOCUMENTS

Place the document (up to 20 pages) face down in the document feeder.



Normal Dialing

1. Lift the handset or press



- Dial the fax number.
- 3. Wait for the reception tone (if a person answers, ask them to press their Start key).
- 4. Press: 1

Rapid Key Dialing

Press the appropriate Rapid Key (if the Rapid Key is from 20 to 38, press the SHIFT key first). Transmission will begin automatically.

Speed Dialing

1. Press:

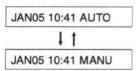
- 2. Enter 2-digit Speed Dial number.
- Press:



RECEIVING DOCUMENTS

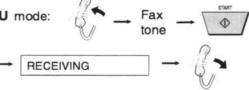
Press





AUTO mode: The fax automatically answers on four rings and receives the incoming document.

MANU mode:



Selecting the receiving unit

1. Press:





2. Press 1 for fax reception to the Sharp MFP, or 2 for fax reception to your computer.

Note: For your computer to receive faxes automatically, the Color MFP reception mode must be set to AUTO.

CHAPTER 2. ADJUSTMENTS

[1] Adjustments

General

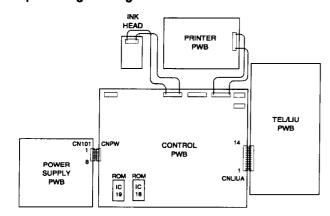
Since the following adjustments and settings are provided for this model, make adjustments and/or setup as necessary.

1. Adjustments

Adjustments of output voltage (FACTORY ONLY)

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

Output voltage settings



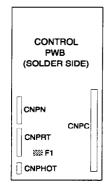
Output	Voltage limits
+5V	4.75V ~ 5.25V
V-REG	5.5V ~ 7.0V
+24V	23.52V ~ 24.48V

Connector No.	CNPW
Pin No.	
1	MG
2	MG
3	+24V
4	+24V
5	DG
6	+5V
7	DG
8	VREG

2. IC protectors replacement

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

The location of ICPs are shown below:



(1) F1 (ICP-S07) is installed in order to protect IC's from an over-current generated in the motor drive circuit. If F1 is open, replace it with a new one.

3. Settings

(1) Dial mode selector

DIAL mode (Soft Switch No. SW2 DATA No. 1)

(step 1) Select "OPTION SETTING".

KEY: (FUNCTION) (4)

DISPLAY: OPTION SETTING (PRESS X OR #

(step 2) Select "DIAL MODE".

DISPLAY: DIAL MODE

\$\text{\text{\$\subset\$}} \text{\$1=TONE, 2=PULSE}\$

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

KEY: (1)

KEY:

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

(1) Entering the diagnostic mode

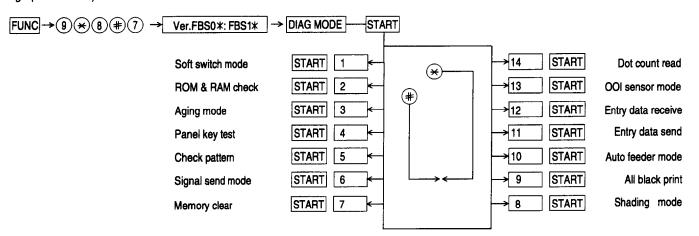
Press $\boxed{\text{FUNC}} \rightarrow \boxed{9} \rightarrow \boxed{\times} \rightarrow \boxed{8} \rightarrow \boxed{\#} \rightarrow \boxed{7}$, and the following display will appear.

ROM Ver. FBS0X: FBS1X After 2 sec: DIAG MODE

FBS0 X: FBS1 X

Then press the START key and country name selected by country select will appear. Select the desired item with the key or the #key or select with the rapid key. Enter the mode with the START key.

(Diag-specifications)



If the dial mode cannot be set, repeat the dial mode operation, performing the following operation.

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.

Press the START key when "MEMORY CLEAR? "appears.

2. Diagnostic items

ITEM No.	DIRECT key	Contents	Function
1	1	SOFT SWITCH MODE	Soft switches are displayed and changed. List can be output.
2	2	ROM & RAM CHECK	ROM is sum-checked, and RAM is matched. Result list is output.
3	3	AGING MODE	10 sheets of check patterns are output every 5 minutes per sheet.
4	4	PANEL KEY TEST	Panel keys are tested.
5	5	CHECK PATTERN	Check pattern is output.
6	6	SIGNAL SEND MODE	Various signals of FAX communication are output.
7	7	MEMORY CLEAR	Back-up memory is cleared, and is set at delivery.
8	8	SHADING MODE	Store the shading waveform according to the specified shading document.
9	9	ALL BLACK PRINT	To check the print head, whole dots are printed over the interval of 2 m.
10	10	AUTO FEEDER MODE	Insertion and discharge of document are tested.
11	11	ENTRY DATA SEND	Resisterd content is sent.
12	12	ENTRY DATA RECEIVE	Resisterd content is received and its list is output.
13	13	OOI SENSOR MODE	Check whether the ink sensor can detect nonexistence of ink correctly.
14	14	DOT COUNT READ	Check the ink consumption count value.

3. Diagnostic items description

3. 1. Soft switch mode

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

Soft switch mode screen

SOFT SWITCH MODE
SW01 = \$0000000

Switch 1 8
No. Data

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 en tered, key error buzzer sounds to reject the input.



② Data number selecton

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, prssing # 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 \times key moves the cursor to the left. If, however, the cursor is on data number 1,Pressing \times key shifts the cursor to data number 1 of the former switch number. If the switch number is 1, pressing \times 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.

① 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.

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.

3. 2. ROM & RAM check

ROM executes the sum check, and RAM executes the matching test. The result will be notified with the number of short sounds of the buzzer as well as by printing the ROM & RAM check list.

If error does not occur, the buzzer does not sound.

(As for the print format refer to the list function specification.)

No.	Check device	Number of short sounds of buzzer
1	MAIN ROM1	1
2	MAIN ROM2	2
3	CPU ROM/RAM	3
4	S-RAM	4
5	D-RAM	5

The once buzzer sounding pattern is 0.25 sec. ON / 0.25 sec.OFF.

3. 3. Aging mode

If any document is first present, copying will be executed sheet by sheet. If no document is present, the check pattern will be printed sheet by sheet. This operation will be executed at a rate of one sheet per 5minutes, and will be ended at a total of 10 sheets.

3. 4. Panel key test

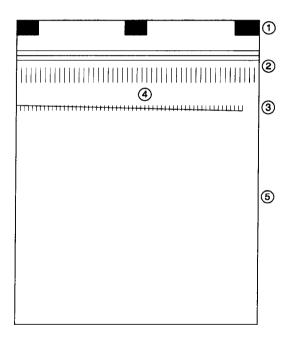
The mode is used to check whether each key properly operates or not. Since the key is displayed on LCD when the key on the operation panel is pressed, press all the keys. Here, finally press STOP key.

When STOP key is pressed, the keys not judged as "pressed" are output in the result list. Here, three LED ports can be turned on alternately during the time from the start of the panel check mode to the end with the stop key.

3. 5. Check pattern

The mode is used to check the state of the printing head. It is ended with the following pattern printed on one printing sheet.

- All white
- ② Checkered pattern
- 3 Nozzle test
- 4 All white
- ⑤ Frame line



3. 6. Signal send mode

The mode is used to send various signals to the circuit during FAX communication. Every push of START key sends a signal in the following sequence. Moreover, the signal sound is also output to the speaker when the line monitor of the soft switch is on.

- [1] No signal (CML signal turned on)
- [2] 14400BPS (V.33)
- [10] 4800BPS (V27 ter)
- [3] 12000BPS (V.33)
- [11] 2400BPS (V27 ter)
- [4] 14400BPS (V.17)
- [12] 300BPS (FLAG)
- [5] 12000BPS (V.17)
- [13] 2100Hz(CED) [14] 1100Hz(CNG)
- [6] 9600BPS (V.17)

7200BPS (V.17)

- [8] 9600BPS (V.29)

3. 7. Memory clear

This mode is used to clear the backup memory and reset to the default settings.

3. 8. Shading mode

This mode is used to store the shading waveform according to the specified shading document.

3. 9. All black print

This mode is used to check the state of the printing head and intentionally overheat it. Press STOP key for the end.

3. 10. Auto feeder mode

This mode is used to check the auto feed function by inserting and discharging the document. In this mode, the feed of the document will be automatically tested if the document is set. Moreover, the number of fed documents will be counted and be displayed on LCD.

3. 11. Entry data send

This mode is used to send the registered data to the remote machine and make the remote machine copy the registered information. When this mode is used for sending, the remote machine must be set to the entry data receive mode.

This information to be sent is as follows.

- 1. TELEPHONE NUMBER LIST
- 2. PASSCOD LIST
- 3. OPTION LIST
- 4. ANTI JUNK LIST
- 5. GROUP LIST
- 6. PRINT SET UP LIST
- 7. SOFT SW LIST

3. 12. Entry data receive

This mode is used to receive the registered data which is sent from the remote machine and to register the received data in the machine. When this mode is used to receive the information, the remote machine must be set to the entry data send mode

The information to be sent is as follows.

- 1. TELEPHONE NUMBER LIST
- 2. PASSCOD LIST
- 3. OPTION LIST
- 4. ANTI JUNK LIST
- 5. GROUP LIST
- 6. PRINT SET UP LIST
- 7. SOFT SW LIST

3. 13. OOI sensor mode

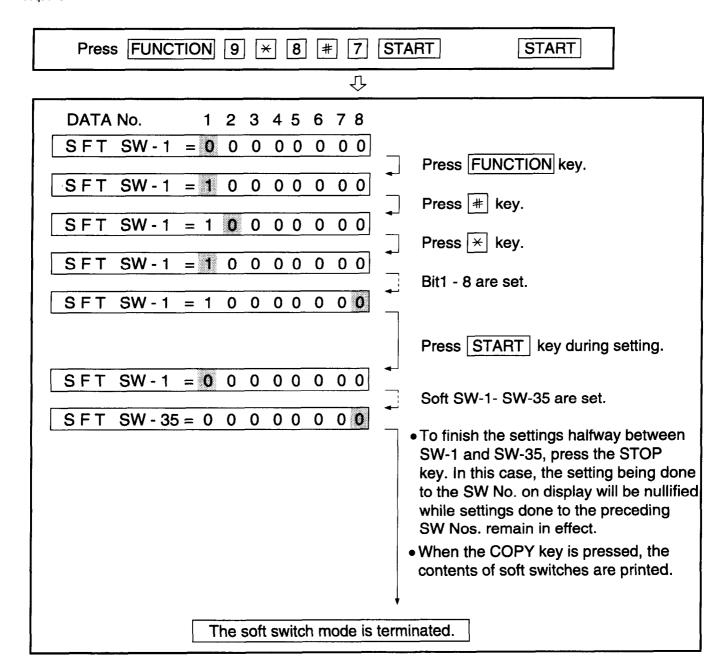
This mode is used to check whether the ink sensor can detect nonexistence of ink correctly.

3. 14. DOT COUNT READ

The black, cyan, magenta and yellow ink consumption counter value is indicated.

4. How to make soft switch setting

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



5. Soft switch description

• Soft switch

sw	DATA	ITEM				itch	set	ting a	and fu	nction			Initial setting	Remarks
NO.	NO.		ļ	1	<u> </u>						0			
	1	Recall interval				_							0	OPTION (4.45)
	2		1	y input									1	(1~15)
	3			No. =			4						0	
SW	4				0 1	0	1	(5x	60sec	=5min)		1	OPTION
1	5	Recall times			_								0	OPTION
	6		1	y input i		2							0	(0~10)
	7		'	No. =									1	
	8		<u> </u>		0 0	1	0	<u>`</u>	- 				0	OPTION
	1	Dial mode	Pulse						Tone				0	
	2	Reception mode	Auto						Manua	31			1	Recep key
sw	3	ECM mode	No					_	Yes				0	OPTION
300	4	CNG detection in Standby mode	No						Yes				0	OPTION
2	5	Polling Security	On						Off				0	FUNC+3
	6	Automatic Cover Sheet	No					-	Yes				1	OPTION
	7	Junk fax function in manual reception	Yes						No				0	COTION
	8	Anti Junk fax function	Yes						No				0	OPTION
	1	Number of rings for auto receive				_							0	OPTION
	2		1	Binary input 8 4 2 1							1	(1~5)		
sw	3		'	No. = '									0	
344	4		ļ		0 1	0	0	(4 t	imes)				0	
3	5	Automatic switching manual to auto				_							0	
	6	receive mode		y input 8		2							0	
	7	(0:OFF)	1	No. = 5		7			_				0	
	8					0							0	ODTION
İ		Communication results printout		Error	E			Mem Send			_	t Always	_	OPTION
	1	(Transaction report)	No.1	0			0	_	C		1	1	0	
	2		No.2	0			0			1 0		1	0	
sw	3	_	No.3	1		(0		O		0	0	1	
3,1	4	Delay timer before line connect in auto dial	3sec						0s				0	
4		Delay timer of after line connect in				sec			sec		sec	3.0sec	_	
	5	auto dial	No	0.5		1	\perp		1)	0	0	
- 1	6		No	0.6		1	\perp)			0	1	
		Number of CNG detect (STAND-BY mode)			<u> </u>	ılse	\perp	_ <u>-</u> -	lses		Ises	4pulses	_	
	7			5.7)	\perp)			1	0	
	8		No	8.0	-		\perp		1	()	1	1	
	1	Time format	24-hou						12-hou				0	
	2	Date format		Day-Yea	ar				Day-M	onth-	Yea r		1	
	3	Sender's information transmit	Off						On				0	
sw	4	Footer Print	On					(Off				0	
5	5	Reserved											0	
_	6	Substitute reception	Off						On			· · · · · · · · · · · · · · · · · · ·	0	
	7	Substitute reception conditions	Recept	ion disa	ble w	ithou	ut T	SI	Recep	tion e	nable wi	thout TSI	0	
1	8	CSI transmission	Off						On				0	

SW NO.	DATA NO.	ITEM			Switch setting and function 1 0							Initial setting	Remarks
	1	H2 mode	No Yes										
	2	MH fixed	Yes						pend on re	0			
	3	Reserved	Yes No (depend on remo									0	
	4	Reserved	1—				1-			-		0	
		Modem speed		V.33									
		(DCS data reception speed)		14400 12									
	5		No.5							0	0		
SW	6		No.6							1	1		
6	7		No.7							0	1		
_	8		No.8							0	0		
					V. ·				V.29	1	/.27ter		
ľ				+	0 12000			+	00 7200	-	00 2400		
İ	5		No.5	1	1	1		(0		1	
	6		No.6	0	0	0	-	9		0	_	0	
	7		No.7	0	1	0				1	- 1	0	
-	8	Reception speed fixed	No.8	0	0 NO	1	1 V.17-	1	l 1 V.29-	0	0 V.27ter-	0	When 14400BPS
-		neception speed fixed			NO	'	14400F		9600BPS		800BPS		modem used,
İ	1		No	1	0		1	3	0	, 4	1	0	setting to 14400bps
	2		No		0		1	\dashv	1	-	•	0	is ignored.
sw		DIS receive acknowledgement during G3			1		<u> </u>		<u> </u>	1	-		10 1910100
1	3	transmission	Twice				0					0	
7	4	Non modulated carrier for V29 transmission	On				Off					0	
	5	EOL detect timer	25 sec 13sec									0	
_	6	Reserved LINE + PROTOCOL MONITOR						- off					
	7	Reserved		<u> </u>			1-	1-					
	8	Length limitation of copy/send/receive	No limit				Co	Copy/Send:1m Receive:1.5m					<u></u>
		Digital line equalization setting				1.8Km		3.6Km		7.2Km			
	1	(Reception)	No.	1	0		0		1		1	0	
sw L	2		No.	2	0		1		0		1	1	
377	3	Dial pausing(sec/pause)	2sec				4se	c				1	
8	4	Signal transmission level										0	
	5		Binary	input	16 8		2 1					1	
	6		N	0. =		6						0	
	7				0 1	0 (0 0 (-8	(-8dBm)				0	
	8	O-D.			1000	i						0	
	.	CED tone signal interval	No	4	1000n	ns	750ms	•	500ms	+	75ms		
	1 2	ł	No. No.	-	1		1 0	\dashv	0 1	+	0	0	
\vdash	3	Equalizer freeze control(MODEM)	On No.		<u>'</u>	1	Off		'			0	
sw 🖯	4	Equalizer freeze conditions	Ali					00bps				0	
9	5	CED detection time	500ms					00ms				0	
	6	Reserved					1_					0	
	7	Reserved	_				<u> </u>					0	
	8	Busy tone detection (after auto dial)	Yes				No					0	U:0/C:1
	1	Reserved					<u> </u>					0	
	-	Reserved					_					0	
sw		CI off detection timer			1200m	ns T	1000m	<u>. T</u>	700ms	3	50ms		
1	3	(Distinctive ring setting off only)	No.	3	0	_	1	\top	0	350ms	1	0	
10	4	,	No.		0	\dashv	0		1		1	1	i
		Distinctive ringing setting		OFF		NDA		RING		G2	RING3		OPTION
	5	Factory setting : OFF	No.5	0		0		1	0		1	0	
	6		No.6	0		0		0	1		1	0	ĺ
	7		No.7	0		0		0	0		0	0	
	8		No.8	0		1		0	0	1	0	0	

SW NO.	DATA NO.	ITEM	Switch setting and function 1 0							Initial setting	Remarks
		END Buzzer	+	T	3sec		1sec	No BEEP	No BEEP		
	1	END Buzzer	No.1	+	0	-	0	1	1	o	
	2		No.2	\vdash	0		1	0	1	o	
sw		Communication error treatment in RTN	140.2	ــــــــــــــــــــــــــــــــــــــ			·		'		
11	3	sending mode (reception)	No communication error Communication error								
• •	4	CNG transmission	No				Yes			0	
ŀ	5	Error criterion	10~20%				5~10%	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		0	
ŀ	6	Pulse to Tone change by ⋈ key	On				Off	-		0	
t	7	CNG transmission in manual trasmission.	No				Yes			0	
ı	8	Reserved								0	
	1	DTMF signal transmission level (Low)					i			0	
	2		Binary input	16	8 4	2 .	1			1	
sw	3		No. =	1	2 3					0	
3,44	4			0	1 0	1 () (-5dE	3m)	1		
12	5									0	
ŀ	6	not used	_							0	
f	7	not used	1—							0	
ŀ	8	not used	_				_			0	
	1	DTMF signal transmission level (High)								0	
	2		Binary input	16	8 4	2 1	ı			0	
sw	3		No. =							1	
300	4						I (- 3.5	dBm)		1	
13	5						·			1	
	6	not used								0	
ŀ	7	not used								0	
ŀ	8	not used								0	•
	1	Reserved								0	
F	2	Reserved								0	
ŀ	3	Reserved		· ····	-					0	
sw	4	Reserved								1	
1 }	5	Reserved								1	
14	6	Reserved								0	
}	7	Reserved			··					0	
ŀ	8	Reserved								0	
	1	Reserved								0	
}	2	Reserved						,,,,		0	
- 1	3	Reserved								0	· m.i
sw	4	Reserved								0	
~;										0	
15	5	Reserved								0	· · · · · · · · · · · · · · · · · · ·
-	6	Reserved								0	
+	7 8	Reserved Reserved			· · ·					0	
	1	Reserved							+	1	
-	2	Reserved	<u> </u>							0	
-										0	
sw -	3	Reserved								0	
1	4	Reserved	_							1	
16	5	Reserved								0	
	6	Reserved								0	
-	7	Reserved								0	
	8	Reserved								U	

SW NO.	DATA NO.	ITEM	-	Switch setting and function						Remarks
	110.	Speaker valume (Peterse)		1			0	1	setting	
ĺ		Speaker volume (3stages)			HIGH	HIGH		LOW	4	
	1			0.1	0	0	1	1	 	
	2_	Hand act manifes and many	N	0.2	0	1	0	1	0	4
sw	_	Hand-set receiver volume (2stages)			HIGH	HIGH	LOW	LOW	-	
	3			0.3	0	0	1	1 1	_ 1	
17	4	Dinger (Astrono)	NO	D.4	0	1	0	1	0	ļ
	5	Ringer volume (4stages)			Off	HIGH	MIDDLE	LOW	4	
	6			0.5	0	0	1 1	1 1	1	İ
	7	Reserved	I NO	0.6	0	1	0	1	0	
	8	Reserved	 						0	
	1	PC I/F mode							0	
			Yes			No			1	
] }	2	Auto reception in PC I/F mode	FAX			PC	 		1	FUNC+#
sw	3	Summer time setting	No			Yes			1	FUNC+3
	4	Sender's phone number setting	T	change			nge allowed		0	
18	5	Polling key	Yes			No			0	OPTION
	6	Activity report print		tic printou	t		rintout when	memory full	0	OPTION
 	7	Total communication hours and pages print	Off			On	****		0	
	8	Line density selecton	Fine	T			dard		0	OPTION
		Density adjustment		Normal		Deep			ł	
	1	(when Fine/STD mode)	No.1	0	0	1			0	
}	2	Describe adjustment	No.2	0	1 - 1	0			0	
sw	3	Density adjustment	No 0	Normal		Deep	Deep(when			
_	4	(when Half-tone mode)	No.3 No.4	0	0	1	1		0	
19	5	HTF correction in Half-tone mode	On	1 0	1 !	Off			0	
İ	6	MTF correction in Half-tone mode	Strong		. 41	Wea			0	
<u> </u>	7	Separation of image area in the half-tone	On	***************************************		Off	<u> </u>		1	
	8	Removal of notch in the binary mode	On			Off			1	
	1	Paper set size		LETTER	LEGAL		Let	tor	·	
	1	•	No.1	0	0	1	1		0	FUNC+6
	2		No.2	0	1	0	1		o	1011010
		Media type		Plain	Coated					
sw	3	•	No.3	0	0	1 —			0	FUNC+6
	4		No.4	0	0			_	0	
20	5		No.5	0	1	T	1 —		o	
		Print quality when fax printing			Normal	Fast D	Draft Norr	nal		FUNC+6
	6		No.6		0	1	1		0	
	7		No.7		1	0	1		1	
	8	Reserved	_		_	 —			0	
	1	Reserved	_						0	
	2	Reserved	_			-			0	
sw	3	Reserved					·		0	
21	4	Reserved				1-			0	
- '	5	Reserved				<u> </u>			0	
_	6	Reserved				1-			0	
<u> </u>	7	Reserved				 -			1	
-	8	Reserved							0	
 	1	Reserved				 			0	
F	2	Reserved				<u> </u>	-		1	
sw	3	Half tone Copy Resolution	200DPIX	200DPI		203D	PIX196DPI		0	
22	5	Reserved Reserved				+=-			0	
-	5	neserveu .		A 1 1	ITO	1	1000	, -	0	ELINIO A
	6	Copy Ratio for B/W copy	No.6		TO		100%	•		FUNC+6
	7	Copy riadio for b/ ## Copy	No.7		0		0		0	
	8	-	No.8)	+	1		0	
			. 10.0				!		<u> </u>	

SW NO.	DATA NO.	ITEM			Switch s	etting	and fu	nction	0			Initial setting	Remarks
	1	Reserved	1			-	_					0	
	2	Reserved	1—				_					0	
	3	Reserved					_					0	
SW	4	Reserved	1=									0	****
23	5	Reserved	<u> </u>				_					0	
	6	Reserved	_		********		_					0	
	7	Reserved	_									1	
	8	Reserved	<u> </u>									0	
	1	Align cartridge (1~30) for color cartridge										0	FUNC+6
	2		Bina	ary input	16 8 4	2 1	İ					1	
014	3		İ	No. =	1 2 3	4 5	5					1	
sw	4				0 1 1	1 1	(15)					1	
24	5				····							1	
_ [6	FAX printing with paper from manual feeder	Yes				No					0	
	7	FAX printing with color cartridge	Yes				No					0	
	8	FAX printing when low ink detected	Yes				No					0	
	1	Align cartridge (1~30) for black cartridge										0	FUNC+6
	2		Bina	ry input	16 8 4	2 1						1	
	3			No. =	1 2 3	4 5	5					1	
sw	4				0 1 1	1 1	(15)					1	
	5											1	
25	6	Cartridge alarm	Off				On					0	
	7	Low ink detection in black cartridge	Yes				No					1	
ŀ	8	Low ink detection in color cartridge	Yes				No					0	
	1	Automatic Reduce of receive	Auto				100%					1	FUNC+6
ľ	2	Cut off mode (COPY mode)	Contir	ue			Cut-of	F				0	FUNC+6
	3	Reserved	_									0	
		IrDA selection		PCprin	t ZAURUS	print	File T	ransfer	DG c	amera	Off		OPTION
sw	4		No.4	0	0			0		0	1	0	
26	5		No.5	0	0			1		1	0	0	
20	6		No.6	0	1			0		1	0	0	
	7	Reserved	_									0	
	8	Reserved										0	
	ĺ	DTMF detection time			50ms	80	Oms	100m	าร	120	ms		
	1		N	lo.1	0		0	1		1		0	
	2		Z	lo.2	0	I	1	0		1		0	
	3	Protection of remote reception (5 \times \times) detect	Yes				No					0	OPTION
sw	4	Remote reception with GE telephone	Comp	atible			Not co	mpatible	<u> </u>			1	
27	5	Remote operation code figures by external										0	OPTION
	6	tel (0~9)		-	8 4 2 1							1	
	7				5678	•	ata No.)				0	
	8				0 1 0 1	<u> </u>						1	
	1	Busy tone detection ON/OFF time (Shorter duration)	350ms	3			150ms		1			0	-
		Busy tone detection ON/OFF time (Longer duration)			650ms		0ms	2700n	ns	900	ms		
	2			0.2	0	+	0	1		1		0	
	3			0.3	0	—-	1	0	ļ	1		1	
sw	4	Busy tone continuous sound detect time	5sec				10sec					1	
	5	Busy tone detect continuation sound detect	No			Yes						0	
28	6	Busy tone detect intermittent sound detect	No			,	Yes					0	
	_	Busy tone detection pulse number			2pulses		uises	6pulse	es	10pul	ses		
	7			0.7	0		0	1	_	1		0	
	8		N	0.8	0	L	1	0		1		1	

sw	DATA	ITEM		Initial setting	Remarks							
NO.	NO.	ILEM	1	1 0								
	1	TAD connect	Yes				No			0	OPTION	
	2	Fax switching when A.M. full	Yes				No			0	OPTION	
		Section time of quiet detection		30)s		40s	50s	60s			
sw	3		No.3	C)		0	1	1	0		
1	4		No.4	-)		1	0	1	1		
29		Number of CNG detect (AM mode)		1pu	lse	2	pulses	3pulses	4puises			
	5		No.5	C)		0	1	1	0		
	6		No.6	C)		1	0	1	1		
	7	Reserved								0		
	8	Reserved								0		
	1	Quiet detect time								0	OPTION	
	2		Binary input 8			1				1		
	3		No. = 1		3					0		
sw	4		C) 1	0	0 (4	1sec)			0		
30	5	Quiet detect start timing								0		
	6		Binary input 8		2					1		
İ	7		No. = 5		7					0		
	8		C) 1	0	1 (5	 			1		
	1	Reserved					<u> </u>			0		
	2	Reserved								0		
SW	3	Reserved					<u> </u>			0		
31	4	Reserved					<u> </u>			0		
1	5	Reserved					<u> </u>			0		
34	6	Reserved								0		
[7	Reserved					<u> </u>			0		
	8	Reserved	<u> </u>				_			0		
	1	Reserved								0		
	2	Reserved					_			0		
İ	3	Reserved								0		
sw	4	Reserved								1		
35	5	Reserved	1				_			0		
~	6	Reserved								0		
l	7	Reserved					Ī—			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 times

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

SW2 No. 1 Dial mode

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

1 : PULSE DIAL 0 : TONE DIAL

SW2 No. 2 Reception 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	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 CNG detection in Standby mode

When setting to "1", the CNG signal detection function during standby stops.

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 Automatic Cover Sheet

When "0" (=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 Junk fax function in manual reception

It is set whether Junk fax is functioned in the manual receiving mode or not

SW2 No. 8 Anti 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 mached 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.

SW3 No. 5 \sim No. 8 Automatic switching manual to auto receive mode (0 : OFF)

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.

SW4 No. 1 ~ No. 3 Communication results printout (Transaction report)

Every communication, the result can be output. As usual, it is set to print the timer sending communication error alone. If No.1:0 No.2:0 No.3:1 are set, printing is always on (printed ever if it is normally ended).

000 : Error, timer and memory sending/receiving

010 : Sending

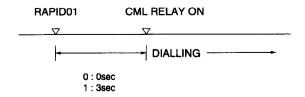
110: Continuous printing

100: Not printed

001 : Communication error

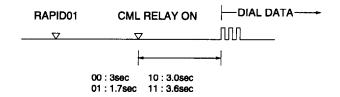
SW4 No. 4 Delay timer before line connect in auto dial

Delay time between the dial key input and line connection under the auto dial mode.



SW4 No. 5, No. 6 Delay timer of after line connect in auto dial

Delay time between the line connection and dial data output under the auto dial mode.



SW4 No. 7, No. 8 Number of CNG detect (STAND-BY mode)

Used for detection of CNG in 1 to 4 pulses.

SW5 No. 1 Date format

Used to select date display/print formats.

SW5 No. 2 Time format

When this switch is set to "0", time is displayed in 12-hour system. When set to "1",24-hour system.

SW5 No. 3 Sender's information transmit

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 applide.

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 Reserved

Set to "0".

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 conditions

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 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. 2 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. 3, No. 4 Reserved

Set to "0".

SW6 No. 5 ~ No. 8 Modem speed (DCS data 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 acknowledgement 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 usefull for overseas communication to avoid an echo suppression problem, if set to 1.

SW7 No. 4 Non modulated carrier in V29 transmission

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 usefull for overseas communication to avoid an echo suppression problem, if set to 1.

SW7 No. 5 EOL detect 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 "O". LINE + PROTUCUI MONITOR (1) ON

SW7 No. 8 Length limitation of copy/send/receive

Used to set the maximum page length.

To avoid possible paper jam, the page length is normally limited to 1 meter for copy or transmit, and 1.5 meters for receive.

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

SW8 No. 1, No. 2 Digital line equalization setting (Reception)

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 Dialing pausing (sec/pause)

Pauses can be inserted between telephone numbers of direct dial connection. Selection of 4 sec or 2 sec pause is available.

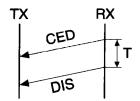
SW8 No. 4 ~ No. 8 Signal transmission level

Used to control the signal transmission level in the range of-0dB to-31dB. The factory setting is at-10dB (MODEM output).

SW9 No. 1, No. 2 CED tone signal interval

For international communication, the 2100Hz CED tone may act as an echo suppression switch, causing a communication problem.

Though SW9 No.1, No.2 are normally set to 0, it should be changed this time between the CED tone signal to eliminate the communication problem caused by echo.



SW9 No. 3 Equalizer freeze control (MODEM)

This switch is used to perform reception operation by fixing the equalizer control of modern for the line which is always in unfavorable state and picture cannnot be received. Usually, the control is executed according to the state of line where the equalizer setting is changed always.

SW9 No. 4 Equalizer freeze conditions

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

SW9 No. 5 CED detection time

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

SW9 No. 6, No. 7 Reserved

Set to "0".

SW9 No. 8 Busy tone detection (after auto dial)

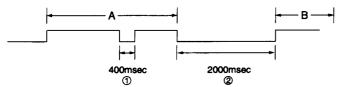
Use to set busy tone detection in auto dialing.

SW10 No. 1, No. 2 Reserved

Set to "0".

SW10 No. 3, No. 4 Cl off detection timer (Distinctive ring setting off only)

Set the minimum time period of CI signal interruption which affords to be judged as a CI OFF section.

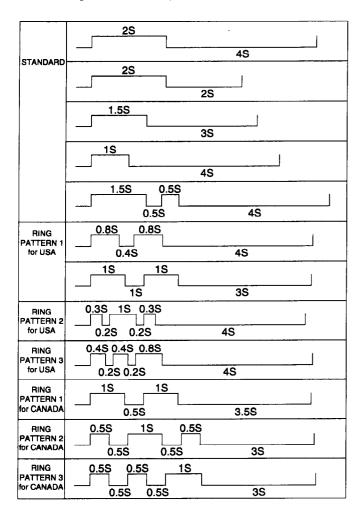


SW10 No. 5 ~ No. 8 Distinctive ringing setting (Factory setting:OFF)

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 through7. The standard pattern is the conventional one.



SW11 No. 1, No. 2 End buzzer

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

SW11 No. 3 Communication error treatment in RTN sending mode (reception)

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

SW11 No. 4 CNG transmission

When set to "0", this model allows CNG transmission by pressing the Start key in the key pad dialing mode. When set to "1", CNG transmission in the key pad dialing mode cannot be performed. In either case. CNG transmission can be performed in the auto dial mode.

SW11 No. 5 Error criterion

Used to select error criterion for sending back RNT when receiving image data.

SW11 No. 6 Pulse to Tone change by × key

When setting to 1, the mode is changed by pressing the \bowtie key from the pulse dial mode to the tone dial mode.

SW11 No. 7 CNG transmission in manual transmission

In case of CCITT there is no need to send the CNG signal in manual transmission mode . This setting allows this signal to be sent in case of manual transmission so as to inform the other party's machine that the machine is FAX.

SW11 No. 8 Reserved

Set to "0".

SW12 No. 1 ~ No. 5 DTMF signal transmission level (Low)

The transmission level of DTMF signal is adjusted. (lower frequency)

00000 : **0** dBm ↓

11111 : -15.5 dBm

SW12 No. 6 ~ No. 8 not used

Set to "0".

SW13 No. 1 ~ No. 5 DTMF signal transmission level (High)

The transmission level of DTMF signal is adjusted. (higher frequency)

00000 : 0 dBm ↓ 11111 : -15.5 dBm

SW13 No. 6 ~ No. 8 not used

Set to "0".

SW14 No. 1 ~ No. 3 Reserved

Set to "0"

SW14 No. 4, No. 5 Reserved

Set to "1".

SW14 No. 6 ~ No. 8 Reserved

Set to "0".

SW15 No. 1 ~ No. 8 Reserved

Set to "0".

SW16 No. 1 Reserved

Set to "1".

SW16 No. 2 ~ No. 4 Reserved

Set to "0".

SW16 No. 5 Reserved

Set to "1".

SW16 No. 6 ~ No. 8 Reserved

Set to "0".

SW17 No. 1, No. 2 Speaker volume (3stages)

Speaker volume:

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

SW17 No. 3, No. 4 Hand-set receiver volume (2stages)

Handset volume:

The volume of sound heard from the receiver is set.

SW17 No. 5, No. 6 Ringer volume (4stages)

Ringer volume:

The calling sound volume of CI signal receiving is set.

SW17 No. 7, No. 8 Reserved

Set to "0".

SW18 No. 1 PC I/F mode

PC I/F mode:

The interface with the personal computer is selected.

SW18 No. 2 Auto reception in PC I/F mode

Automatic receiving of I/F mode:

Which receives the call is determined.

SW18 No. 3 Summer time setting

This is used to set YES/NO of automatic clock adjustment for summer time.

SW18 No. 4 Sender's phone number setting

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

SW18 No. 5 Polling key

If this switch is set to 1, the last of Rapid key works as polling key.

SW18 No. 6 Activity report print

This soft switch is used to select: whether or not to print out the activity report when the memory is full. An activity report can be printed when the following key entry command is made.

"FUNCTION", "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 the memory will be deleted from the oldest as it reaches the maximum memory capacity.

SW18 No. 7 Total communication hours and pages print

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

SW18 No. 8 Line density selection

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

SW19 No. 1, No. 2 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.

SW19 No. 3, No. 4 Density adjustment (when Half-tone mode)

This is used for density adjustment in the half tone.

SW19 No. 5 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.

SW19 No. 6 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, cleamess of characters will be reduced. Normally set to "Strong" (= 1).

SW19 No. 7 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" (= 0).

SW19 No. 8 Removal of notch in the binary mode

The notch signal is removed in the binary mode.

SW20 No. 1, No. 2 Paper set size

Set the size of recording paper for reception and list print.

SW20 No. 3~ No. 5 Media type

Set the type of recording paper for reception and list print.

SW20 No. 6, No.7 Print quality when fax printing

Set the printing method for reception and list print.

SW20 No. 8 Reserved

Set to "0".

SW21 No. 1 ~ No. 6 Reserved

Set to "0".

SW21 No. 7 Reserved

Set to "1".

SW21 No. 8 Reserved

Set to "0".

SW22 No. 1 Reserved

Set to "0".

SW22 No. 2 Reserved

Set to "1".

SW22 No. 3 Half tone copy resolution

The image resolution conversion rate is set in the copy mode.

0: 203 DPI X 196 DPI (1.53 times X 1.47 times)
1: 200 DPI X 200 DPI (1.50 times X 1.50 times)

SW22 No. 4, No. 5 Reserved

Set to "0".

SW22 No. 6 ~ No.8 Copy Ratio for B/W copy

Set the magnification when "PRESET" is selected in copy mode.

SW23 No. 1 ~ No. 6 Reserved

Set to "0".

SW23 No. 7 Reserved

Set to "1".

SW23 No. 8 Reserved

Set to "0".

SW24 No. 1 ~ No. 5 Align cartridge (1~30) for color cartridge

After the color cartridge has been mounted press

"FUNCTION", "6", "\(\times\)", "\(\times\)", "\(\times\)", "\(\times\)", "START"

to print Bidirectional Alignment Pattern.

On the printed test page, locate the number under the Bidirectional Alignment pattern that comes closest to forming a perfectly straight line.

SW24 No. 6 Fax printing with paper from manual feeder

To print the received picture in hand paper feed mode, set "1".

SW24 No. 7 Fax printing with color cartridge

To print the received picture with the color cartridge set "1".

SW24 No. 8 Fax printing when low ink detected

To print the received picture in "Low Ink" state, set "1'.

SW25 No. 1 ~ No. 5 Align cartridge (1~30) for black cartridge

After the black cartridge has been mounted press

"FUNCTION", "6", ">, ">, ">, ">, ">, "START"

to print Bidirectional Alignment Pattern.

On the printed test page, locate the number under the Bidirectional Alignment pattern that comes closest to forming a perfectly straight line.

SW25 No. 6 Cartridge alarm

Set existence/nonexistence of alarm tone alarming the failure of return of cartridge to the home position.

SW25 No. 7 Low ink detection in black cartridge

Set detection/nondetection of black ink "Low ink".

SW25 No. 8 Low ink detection in color cartridge

Set detection/nondetection of color ink "Low ink".

SW26 No. 1 Automatic reduce of receive

If set to 1, it is reduced automatically when receiving.

SW26 No. 2 Cut off mode (COPY mode)

Whether the excessive part is printed on the next recording paper or discarded is selected to copy a document which is longer than the recording paper.

SW26 No. 3 Reserved

Set to "0".

SW26 No. 4 ~ No. 6 IrDA selection

Set the other party of Ir communication.

SW26 No. 7, No. 8 Reserved

Set to "0".

SW27 No. 1, No. 2 DTMF detection time

Used to set detect time of DTMF (Dual Tone Multi Frequency) used in remote reception ($5 \times \times$).

The longer the detect time is, the less the error detection is caused by noises.

SW27 No. 3 Protection of remote reception (5 \times \times) detect

Used to set the function of remote reception (5 \times \times). When set to "1", the remote reception function is disabled.

SW27 No. 4 Remote reception with GE telephone

(Corresponding to TEL made by GE) P.B.X.

"1": Compatible with TEL mode by GE

"0": Not compatible

 When sending (5 ××) for remote reception with a GE manufactured telephone remote reception may not take place because of special specifications in their DTMF.

To overcome this, a soft SW is provided to change the modern setting to allow for remote reception.

 If this soft SW is set to "1", other telephone sets may be adversely affected.

SW27 No. 5 ~ No. 8 Remote operation code figures by external tel (0~9)

Remote operation codes can be changes from 0 through 9. If set to greater than 9, it defaults to 9. The " $5 \times \times$ " is not changed.

 $Ex-7 \times \times (Default : 5 \times \times).$

SW28 No. 1 Busy tone detection ON/OFF time (Shorter duration)

The initial value of detection is set according to electric condition.

The set value is changed according to the local switch board. (Erroneous detection of sound is reduced.)

Normally the upper limit is set to 2700msec. and the lower limit to 150msec.

If erroneous detection is caused by sound, etc., adjust the detection range.

The lower limit can be set in the range of 350msec to 150msec.

SW28 No. 2, No. 3 Busy tone detection ON/OFF time (Longer duration)

Similarly to SW-28 No.1, the set value can be varied.

The upper limit can be set in the range of 650msec to 2700msec.

SW28 No. 4 Busy tone continuous sound detect time

Set detecting time busy tone for 5 seconds or as is PTT.

SW28 No. 5 Busy tone detect continuation sound detect

Used to select detection of the continuous sound of certain frequency.

SW28 No. 6 Busy tone detect intermittent sound detect

Used to select detection of the intermittent sound of certain frequency.

SW28 No. 7, No. 8 Busy tone detection pulse number

Used to set detection of Busy tone intermittent sounds.

SW29 No. 1 TAD connect

When connecting the answering machine to the extension telephone jack.

Set to "1".

SW29 No. 2 Fax switching when A.M.full

If the answering machine's memory (tape) is full and there is no response, the machine automatically switches to Fax reception.

SW29 No. 3, No. 4 Section time of quiet detection

The switch which sets the time from the start of detection function to the end of the function.

SW29 No. 5, No. 6 Number of CNG detect (AM mode)

Used for detection of CNG in 1 to 4 pulses.

SW29 No. 7, No. 8 Reserved

Set to "0".

SW30 No. 1 ~ No. 4 Quiet detect time

When an answering machine is connected, if a no sound state is detected for a certain period of time, the machine judges it as a transmission from a facsimile machine and automatically swiches to the Fax mode.

SW30 No. 5 ~ No. 8 Quiet detect start timing

Inserts a pause before commencing quiet detection.

SW31 No. 1 ~ No. 8 Reserved

Set to "0".

SW32 No. 1 ~ No. 8 Reserved

Set to "0".

SW33 No. 1 ~ No. 8 Reserved

Set to "0".

SW34 No. 1 ~ No. 8 Reserved

Set to "0"

SW35 No. 1 ~ No. 3 Reserved

Set to "0".

SW35 No. 4 Reserved

Set to "1".

SW35 No. 5 ~ No. 8 Reserved

Set to "0".

[3] Troubleshooting

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

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

- Apply line equalization SOFT SWITCH 8-1, 2.
 May be used in case [1] [2] [3] [4].
- Slow down the transmission speed SOFT SWITCH 6-5, 6, 7, 8.
 May be used in case [2] [3].
- Replace the TEL/LIU PWB.
 May be used in all cases.
- Replace the control PWB.
 May be used in all cases.
- * If transmission problems still exist on the machine, use the following format and check the related matters.

UC:	AII:			Date :
FM:				Dept :
				Sign ;
	***** Facsimile cor	mmunication 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	<u> </u>		Model name
Problem mode	Line: Domestic / international		G3	Phase: A, B, C, D.
	Reception / Transmission	Automatic reception / Mar		
Francis	<u> </u>	Automatic dialing / Manua	al dialing / Others OM version:	
Frequency: Confirmation				Please mark problem with an X.
item	Our customer	B1 B2	Other party	No problem is: 0.
		<u>B2</u>	<u></u>	A1 A2 B1 B2 C1 C2 D1 D2 E1 E2
	A1 A2 C1		D2	Transmission level setting is () dB at our
			_	Transmission level setting is () dB at our customer
	C2	E1 D1		Transmission level () dBm
		E2		Reception level () dBm
	Our service	Oth	her party's service	By level meter at B1 and B2
Comment				
Countermeasure				
Countermeasure				
**** Please attach	the G3 data and activity report of	on problem ****	-	

^{*} Please complete this report before calling the "TAC" hotline if problem still occurs.

[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 at tempted.
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.

CHAPTER 3. MECHANISM BLOCKS

[1] General description

1. Document feed block and diagram

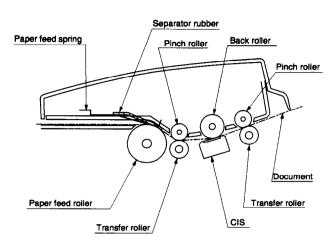


Fig. 1

2. Document feed operation

- The document placed in the hopper actuates the document sensor.
 After one second, the pulse motor starts to the paper feed roller.
 The document is automatically taken up into the mashine, and stopped at the document sensor.
- When a specified number of pulses are received from the document sensor after the document lead edge is sensed.scanning is started.
- 3) When a specified number of pulses are received from the document sensor after the document rear edge is sensed. Scanning is terminated and the document is fed through.
- 4) If the document sensor is active (i.e.,another document is in the hopper), when the preceding document scanning is completed and it is fed out, the next document is taken up into the machine. If the document sensor is not active (i.e.,there is no document in the hopper), when the document is fed out , the operation is terminated.

3. Hopper mechanism



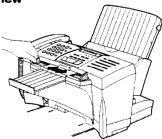


Fig. 2

The hopper is used to align documents with the document guides adjusted to the paper width.

NOTE: Adjust the document guide after setting up the document.

3-2. Automatic document feed

- Use of the paper feed roller and separation rubber plate ensures error-free transport and separation of documents. The plate spring presses the document to the paper feed roller to assure smooth feeding of the document.
- 2) Document separation method: Separation rubber plate

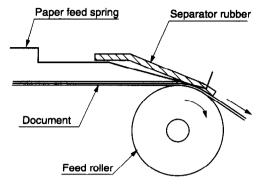


Fig. 3
3-3. Documents applicable for automatic feed

	Minimum	Maximum
Weight	45kg 52g/m² 14LB	70kg 80(81)g/m² 20(21.7)LB
Thickness	0.06mm 0.0024"	0.1(0.09)mm 0.0035"
Document size	B6(148mmx128mm) ~ L A4(210mmx297mm) LTR(216mmx279mm)	GL(216mmx355.6mm)
Capacity	B6 ~ LTR/A4	20sheets
Manual	More than 90kg(104g/m Below 135kg(157kg *One page is supported for 1m leng	

NOTE: Double-side coated documents and documents on facsimile recording paper should be inserted manually. The document feed quantity may be changed according to the document thickness.

Documents corresponding to a paper weight heavier than 64.3kg (74.3g/m²) and lighter than 135kg (157g/m²) are acceptable for manual feed.

Documents heavier than 135kg in terms of the paper weight must be duplicated on a copier to make it operative in the facsimile.

3-4. Loading the documents

- Make sure that the documents are of suitable size and thickness, and free from creases, folds, curls, wet glue, wet ink, clips, staples and pins.
- 2) Place documents face down in the hopper.
 - i) Adjust the document guides to the document size.
 - ii) Align the top edge of documents and gently place them into the hopper. The first page under the stack will be taken up by the feed roller to get ready for transmission.

NOTES: 1) Curled edge of documents, if any, must be straighten out.

Do not load the documents of different sizes and/or thicknesses together.

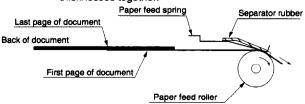


Fig. 4

3-5. Documents requiring use of document carrier

- 1) Documents smaller than B6 (128mm x 182mm).
- 2) Documents thinner than the thickness of 0.06mm.
- Documents containing creases, folds, or curls, especially those whose surface is curled (maximum allowable curl is 5mm).
- 4) Documents containing tears.
- Carbon-backed documents. (Insert a white sheet of paper between the carbon back and the document carrier to avoid transfer of carbon to the carrier.)
- Documents containing an easily separable writing material (e.g., those written with a lead pencil).
- 7) Transparent documents.
- 8) Folded or glued documents

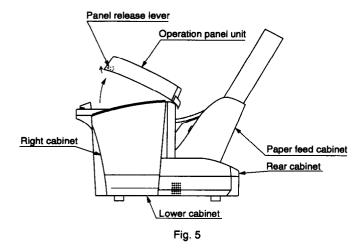
Document in document carrier should be inserted manually into the feeder.

4. Document release

4-1. General

When the release lever is pulled by hand in the direction of arrow, the latch is released and the upper document guide moves on its axis in the derection of the arrow. The feed rollers, the separation rubber plate, and the pinch rollers become free to make it possible to remove the document.

4-2. Cross section view



5. Paper feed

5-1. ASF

As a result of reception motor drive the reduction gear, idler gear, planetary gear, and paper feed gear are synchronized. Since the Pu roller rotates, the paper sensor is turned on and advanced until it engages with the feed roller, Then, the motor is inverted to feed to the print position with the feed roller.

5-2. Manual paper feed

Insert the paper, aligning with the right side of paper feed cab until the paper sensor is turned on and the feed roller catches. It is sent to the print position by the feed roller.

5-3. Print

The ink cartridge is moved from the right side to the left side by the carriage motor. At this time ink is ejected from the ink cartridge to print on the paper.

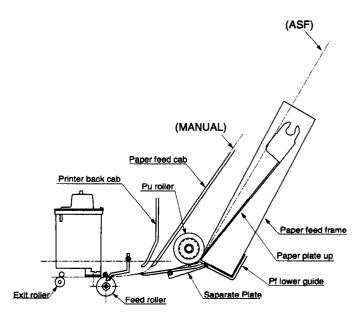


Fig. 6

5-4. ASF sequence

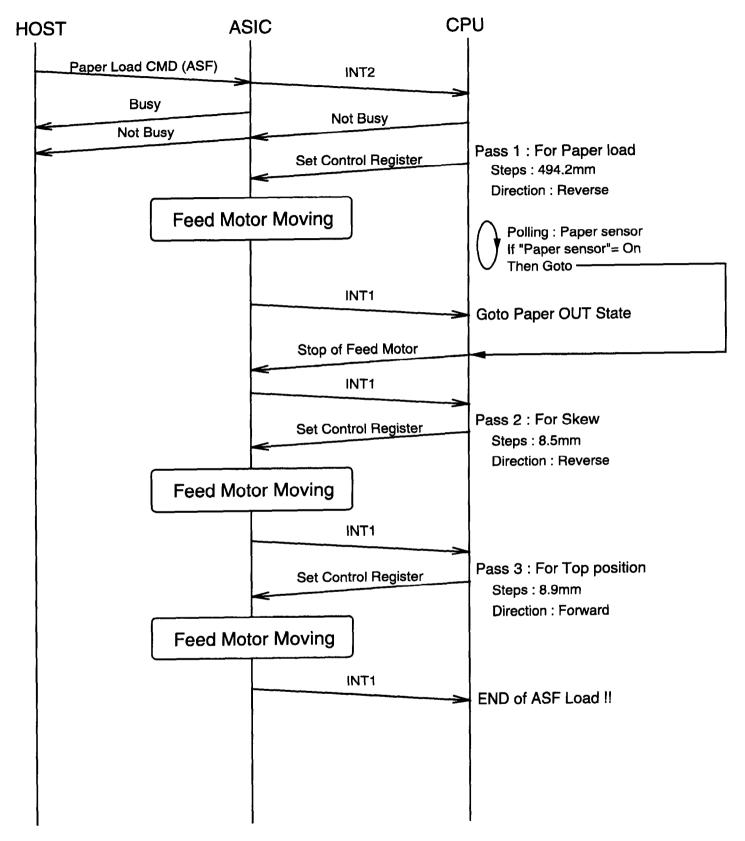
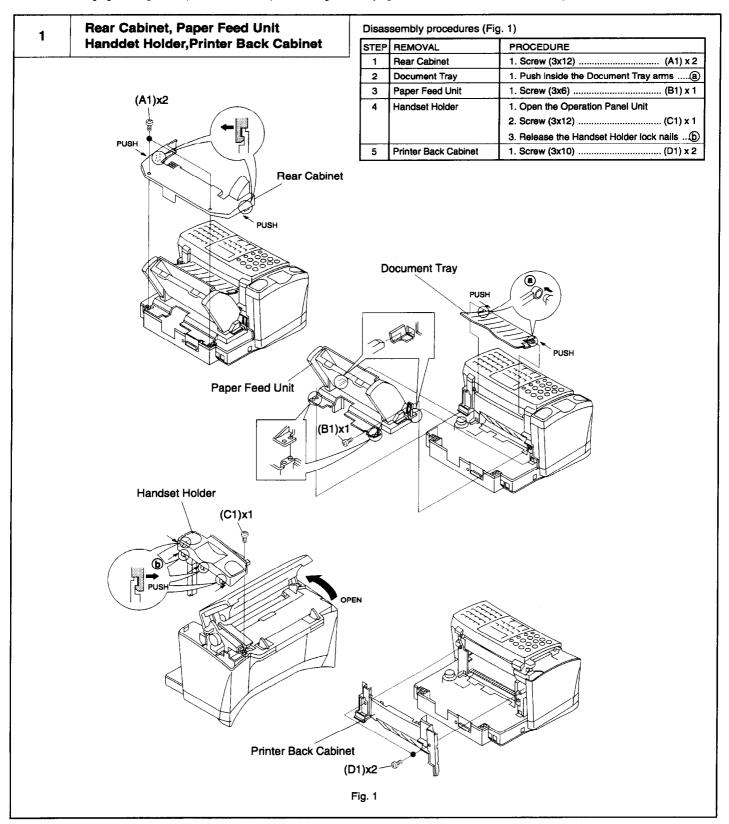


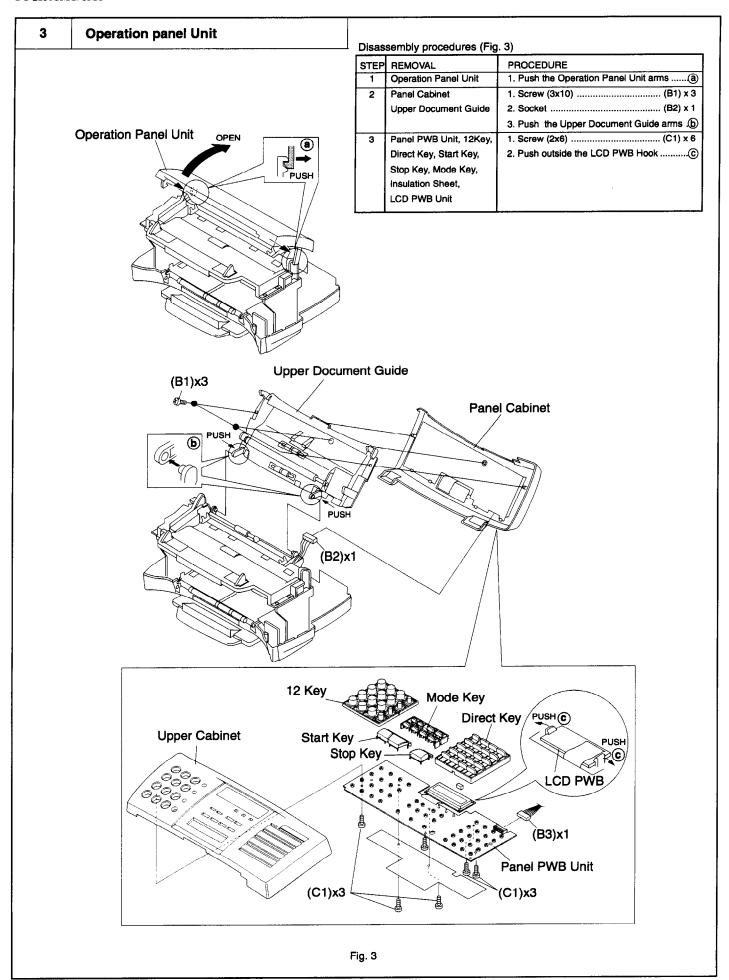
Fig. 7

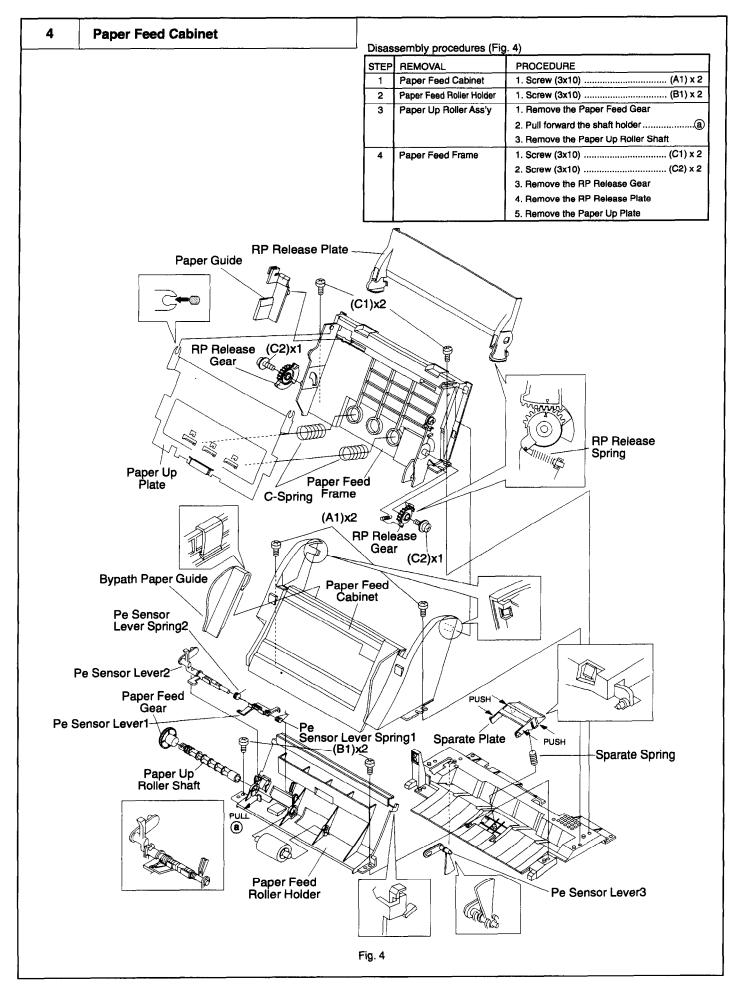
[2] Disassembly and assembly procedures

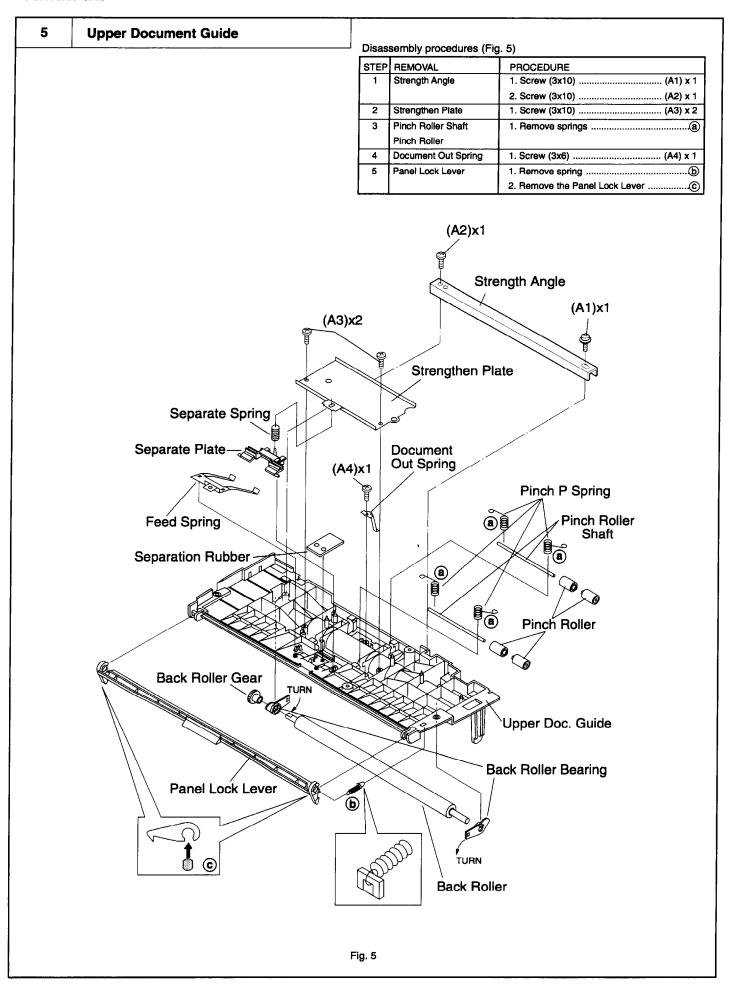
- This chapter mainly describes the disassembly procedures. For the assembly procedures, reverse the disassembly procedures.
- Easy and simple disassembly/assembly procedures of some parts and units are omitted. For disassembly and assembly of such parts and units, refer to the Parts List.
- · The numbers in the illustration, the parts list and the flowchart in a same section are common to each other.
- · To assure reliability of the product, the disassembly and the assembly procedures should be performed carefully and deliberately.
- · Note on changing cartridges: To prevent the used print cartridge from drying out, be sure to store it in the cartridge holder.

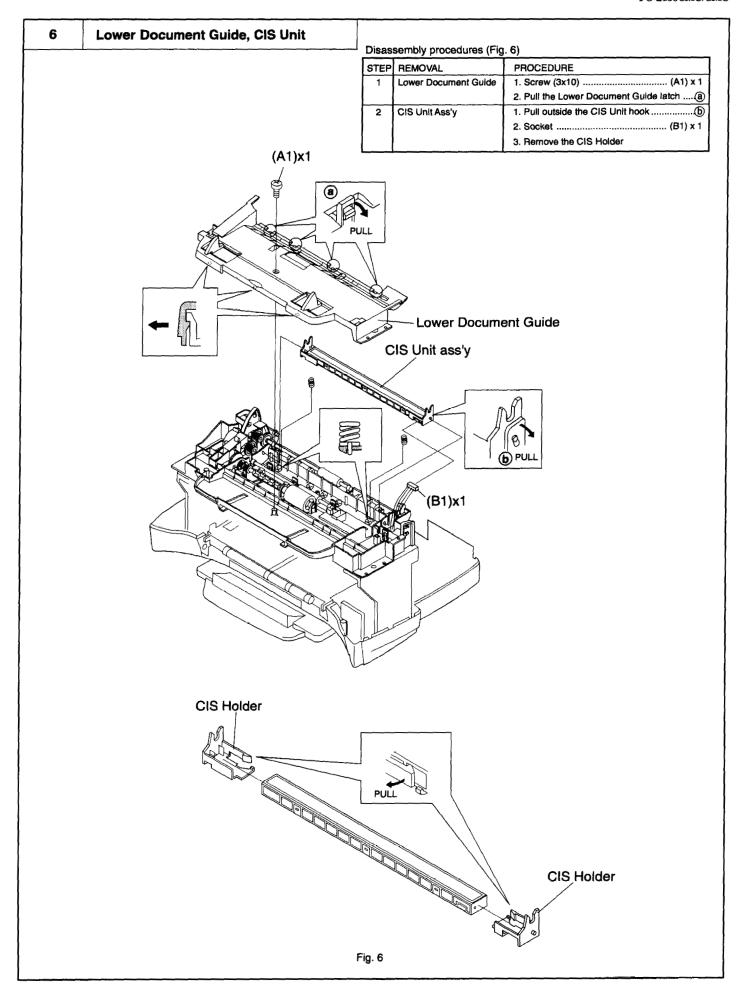


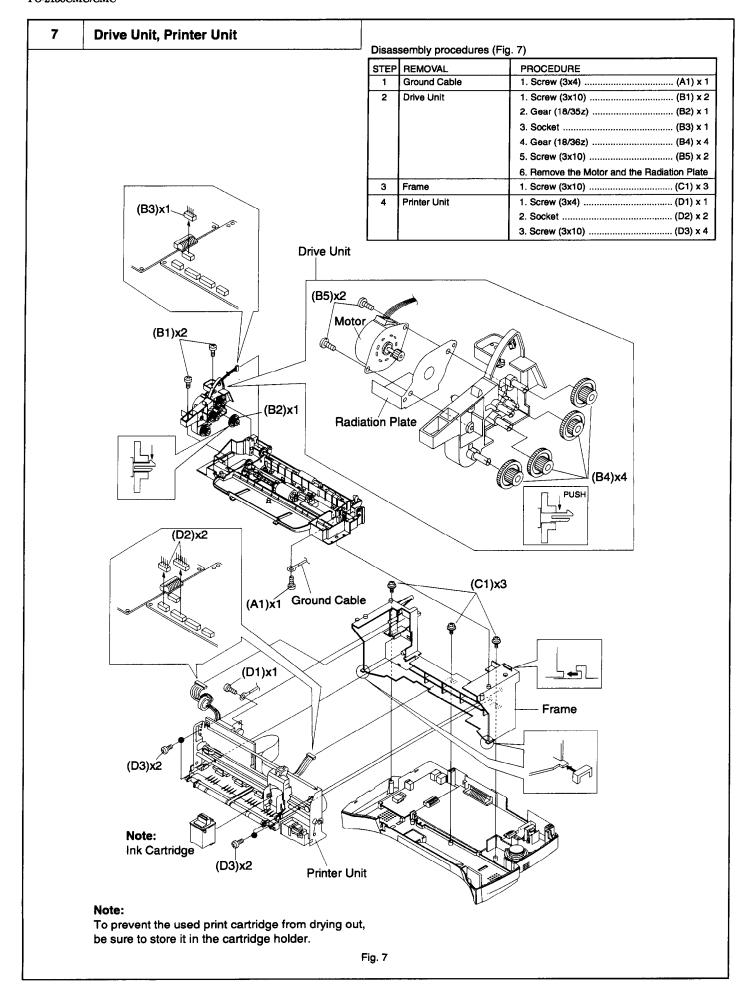
STEP REMOVAL 1 Loft Cabinet 2 Right Cabinet 1 Stew (Sk12)		Left Cabinet, Right Cabinet, Front cove	Disas	sembly procedures	s (Fig. 2)
Left Cabinet 1. Screw (3x12)					
2. Release the Italianet tock rails				Left Cabinet	1. Screw (3x12) (A1) x3
Push REMOVE Push REMOVE Push Remove Remo					2. Release the Left Cabinet lock nails(
Left Cabinet (A1)x2 Left Cabinet (B1)x1 Right Cabinet			2	Right Cabinet	1. Screw (3x12) (B1) x
Left Cabinet Push (B1)x1 Right Cabinet Push					2. Release the Right Cabinet lock nails(
Left Cabinet PUSH (B1)X1 Right Cabinet PUSH (B1)X1 Right Cabinet			3	Front Cover	1. Push inside the Front Cover arms(
Front Cover	Left C	abinet PUSH REMOVE PUSH ©			Right Cabinet

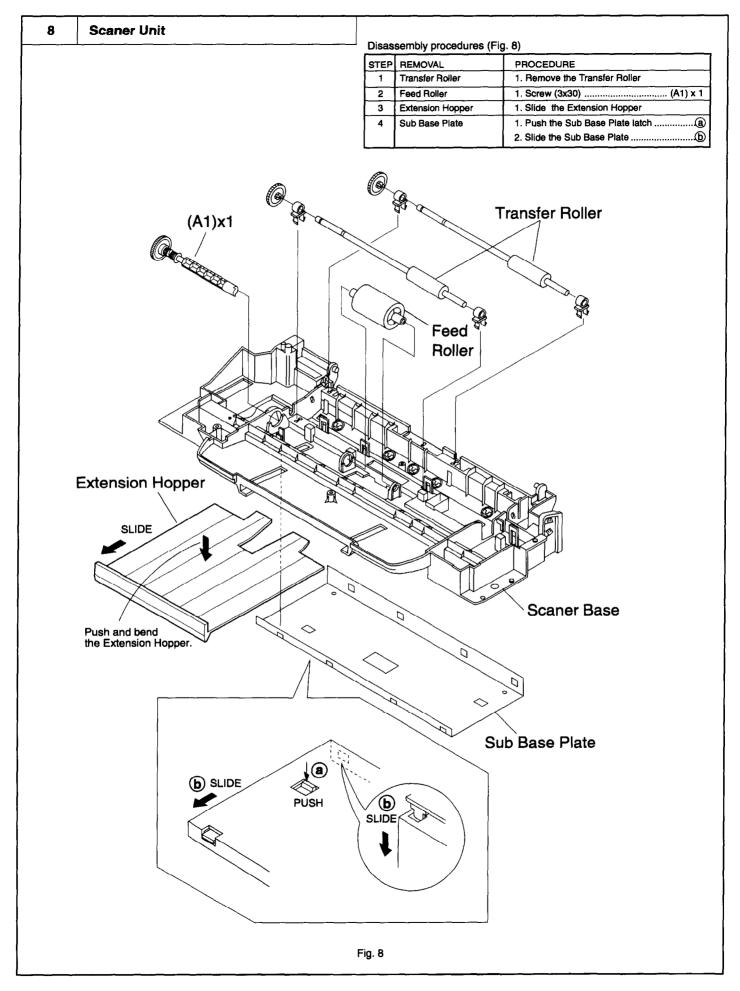




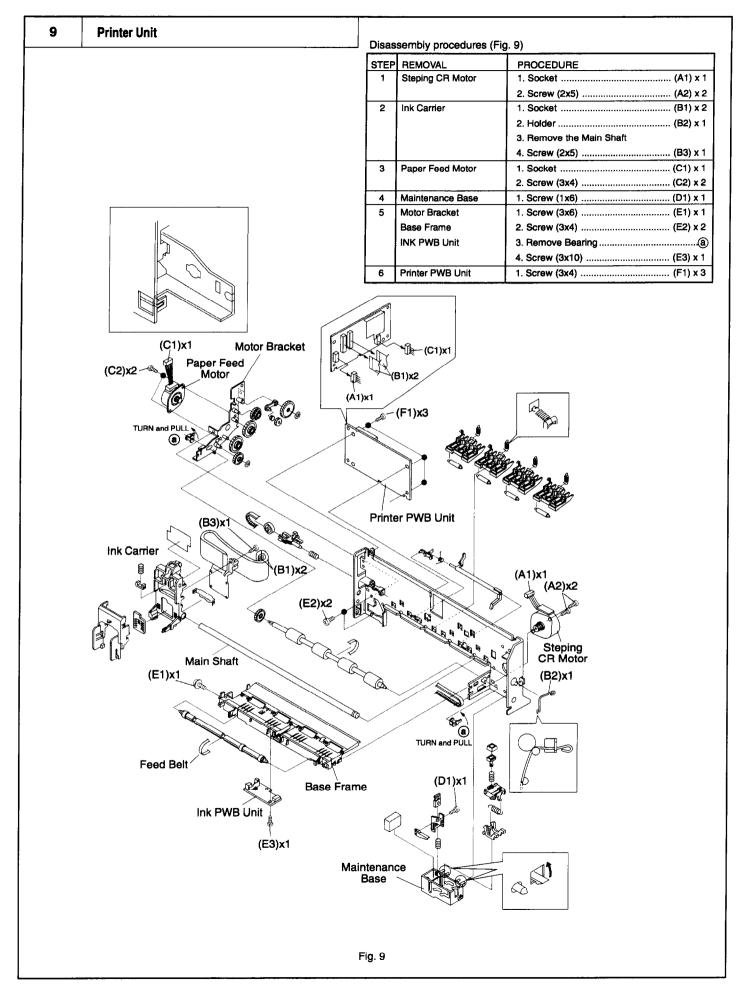


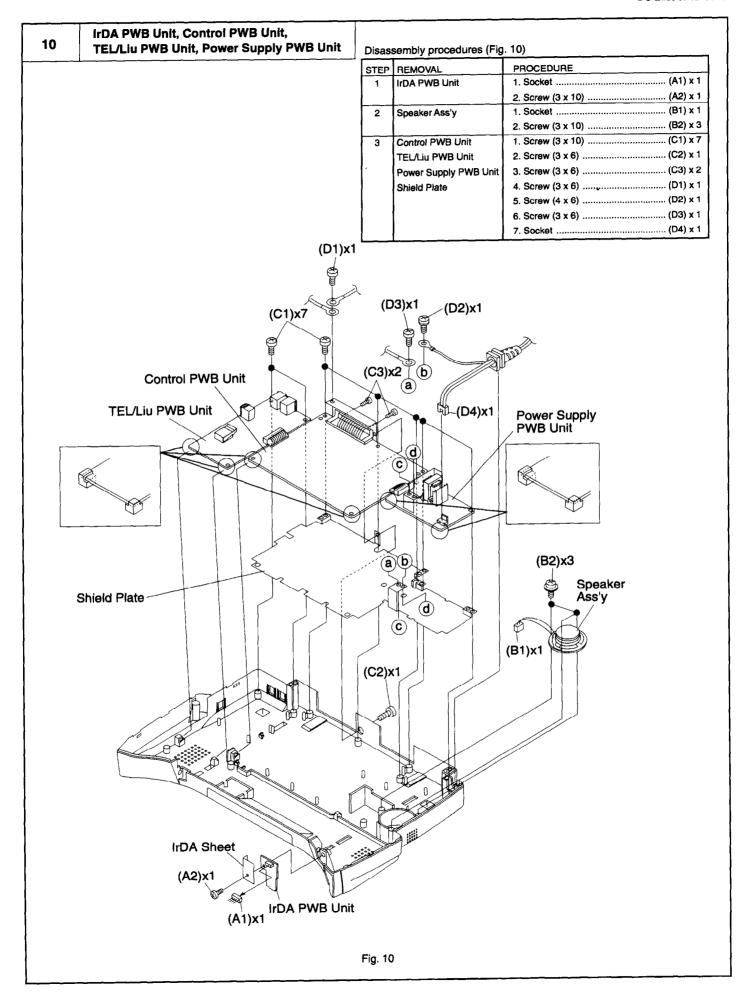


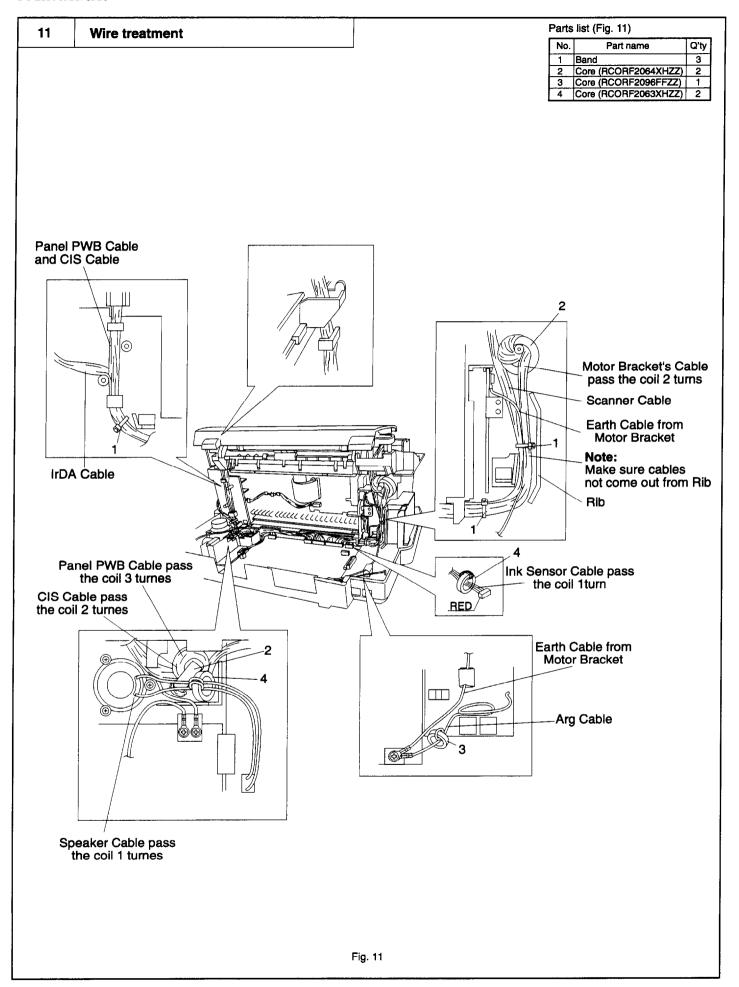




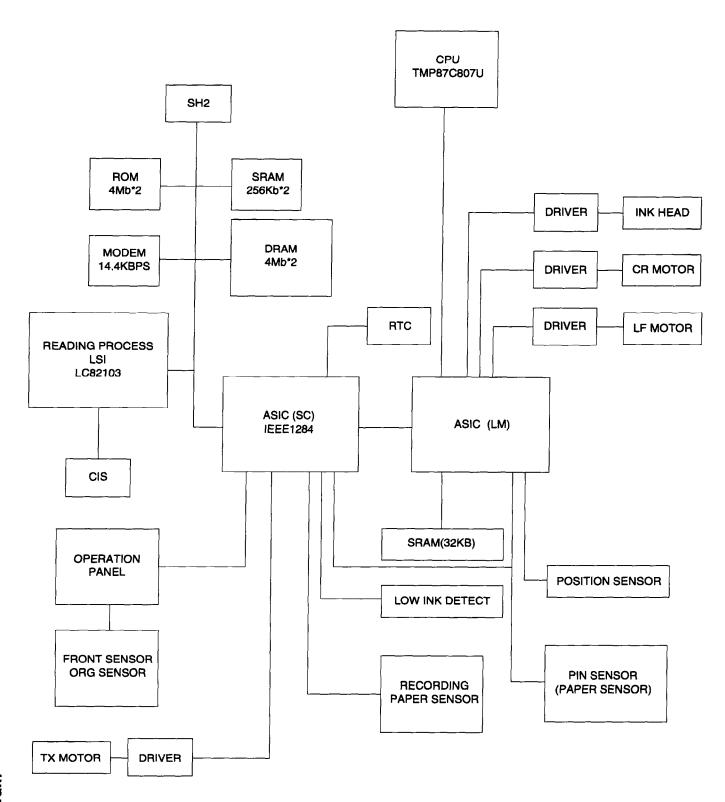
7 . J Bk. 1



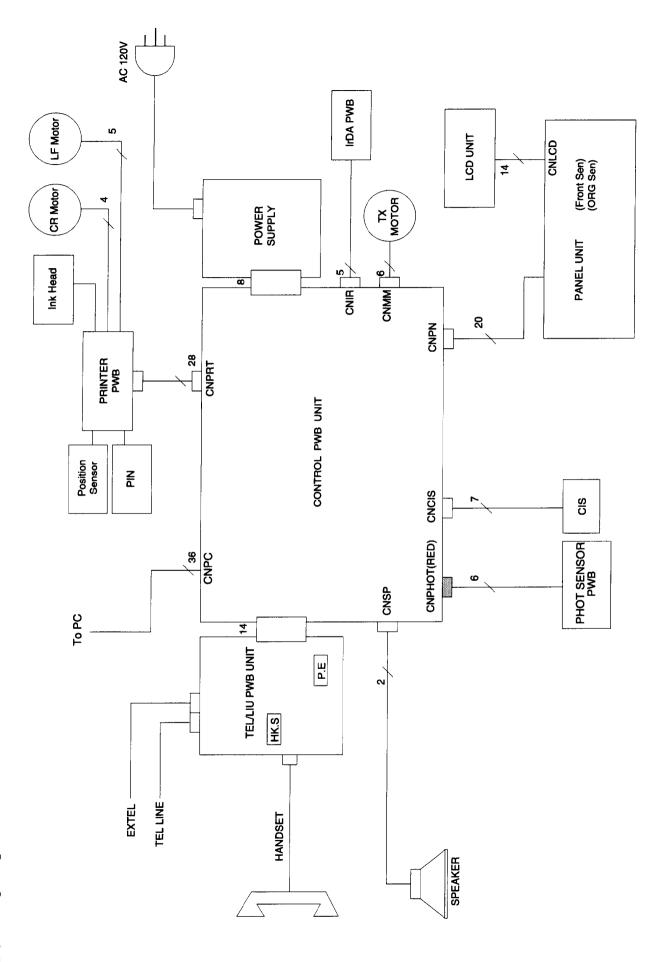




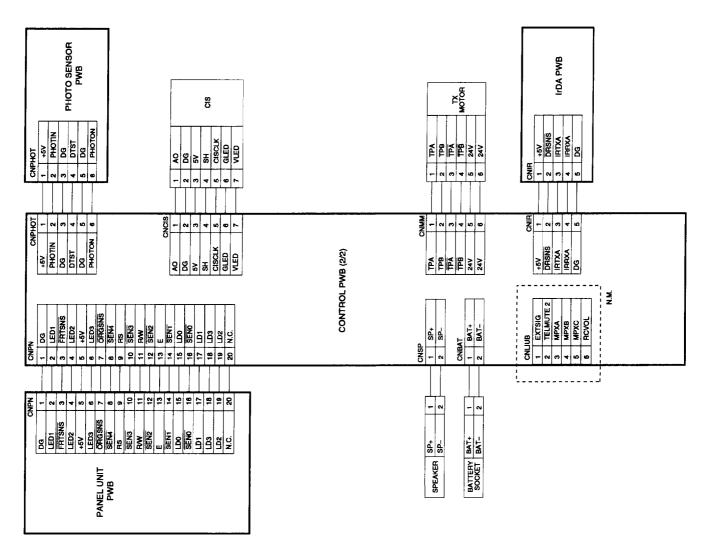
CHAPTER 4. DIAGRAMS



[1] Block diagram



POWER SUPPLY PWB		NSTROBE DATAL DATAL DATAB DATAB DATAB DATAB DATAB DATAB NACK NAUTOFD DB DB DB DB DB DB DB DB DB DB DB DB DB
CNPW CNPW CNPW A 2 MG 2 MG 2 MG 4 +24V 4 +24V 4 DG 7 DG 0 VREG		1 NSTRO 2 DATA1 3 DATA2 5 DATA1 1 DATA3 1 DATA4 1 DATA8 1 DATA
2 - 0 0 4 0 0 - 0		
CA101		ON S S S S S S S S S S S S S S S S S S S
MG MG H-24V H-24V DG DG DG VREQ	B (1/2)	NSTROBE DATA1 DATA2 DATA2 DATA3 DATA4 DATA6 DATA
CNIUUA 2	CONTROL PWB (1/2)	CAPRIT 1 CSTT 2 CDO 2 CDO 4 CD2 5 CD3 6 CD3 9 CD7 11 CSCK 11 CSCK 11 CSCK 11 CSCK 11 CSCK 12 CPE 13 CSCCT 14 CACK 16 CNT 18 PRTHST 18 PRTHST 18 PATHST 19 DG 22 EBSW 22 ASV 23 DG 24 CTYP 26 CTYP 28 MG
CNLU +24/VA 1-		CAPRT CON PRI CON CON CON CON CON CON CON CON CON CON
TEL/LIU PWB		PANEL PWB



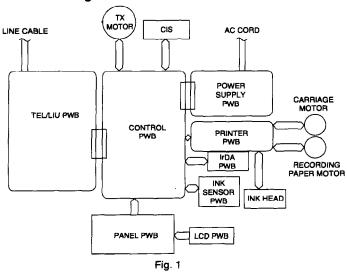
CHAPTER 5. CIRCUIT DESCRIPTION

[1] Circuit description

1. General description

The compact design of the control PWB is obtained by using Risc Processor (CPU) in the main control section and high density printing of surface mounting parts. Each PWB is independent according to its function as shown in Fig. 1.

2. PWB configuration



1) Control PWB

The control PWB controls peripheral PWBs, mechanical parts, transmission, and performs overall control of the unit.

This machine employs a 1-chip modern (R144AFXL) which is in-stalled on the control PWB.

2) TEL/LIU PWB

This PWB controls connection of the telephone line to the unit.

3) Power supply PWB

This PWB provides voltages of +5V, VREG and +24V to the another PWB.

4) Panel PWB

The panel PWB allows input of the operation keys.

5) Printer PWB

This PWB controls the printer mechanical parts.

This PWB employs 8bit CPU that is installed on printer PWB.

This CPU control a printer mechanical parts.

6) LCD PWB

This PWB controls the LCD display.

7) IrDA PWB

This PWB employs led and sensor.

8)Ink sensor PWB

This PWB examine the ink level of the cartridge.

3. Operational description

Operational descriptions are given below:

Transmission operation

When a document is loaded in standby mode, the state of the document sensor is sensed via the CPU (SH2).

If the sensor signal was on, the motor is started to bring the document into the standby position. With depression of the START key in the off-hook state, transmission takes place.

Then, the procedure is sent out from the modem and the motor is rotated to move the document down to the scan line. In the scan processor, the signal scanned by the CIS is sent to the internal image processor and the AD converter to convert the analog signal into binary data. This binary data is transferred from the scan processor to the image buffer within the RAM and encoded and stored in the transmit buffer of the RAM. The data is then con-verted from parallel to serial form by the modem where the serial data is modulated and sent onto the line.

Receive operation

There are two ways of starting reception, manual and automatic. Depression of the START key in the off-hook mode in the case of manual receive mode, or CI signal detection by the LIU in the automatic receive mode.

First, the CPU(SH2) controls the procedure signals from the modem to be ready to receive data. When the program goes into phase C, the serial data from the modem is converted to parallel form in the modem interface of the 1 fax CPU(SH2) which is stored in the receive buffer of the RAM. The data in the receive buffer is decoded software-wise to reproduce it as binary image data in the image buffer. The data is DMA transferred to the recording processor within the printer control gate array which is on printer PWB and sent to the ink head. The data is printed by printer gate arrey and fine signal.

Copy operation

To make a copy on this facsimile, the COPY key is pressed when the machine is in stand-by with a document on the document table and the telephone set is in the on-hook state.

First, depression of the COPY key advances the document to the scan line. Similar to the transmitting operation, the image signal from the CIS is converted to a binary signal in the DMA mode via the reading processor which is then sent to the image buffer of the RAM. Next, the data is transferred to the recording processor in the DMA mode to send the image data to the ink head which is printed swath by swath. The copying takes place as the operation is repeated.

[2] Circuit description of control PWB

1. General description

Fig. 2 shows the functional blocks of the control PWB, which is composed of 5 blocks.

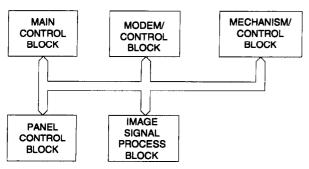


Fig. 2 Control PWB functional block diagram

2. Description of each block

(1) Main control block

The main control block is composed of HITACHI CPU (SH2), ROMX2 (256KByte), RAMX2 (32KByte), DRAMX2 (512KByte). Devices are connected to the bus to control the whole unit.

1) SH7040 (iC12): pin-112 QFP (SH7040)

The CPU Integrated Facsimile Controllers.

SH7040(SH2), contains an internal 32 bit microprocessor with an external 16 bit address space and dedicated circuitry optimized for facsimile image processing and facsimile machine control and monitoring.

2) M27C4001 (IC18, IC19): pin-32 DIP (ROM)

EPROM of 2Mbit equipped with software for the main CPU.

3) SRM2B257SLMX70 (IC17, IC24): pin-28 SOP (RAM)

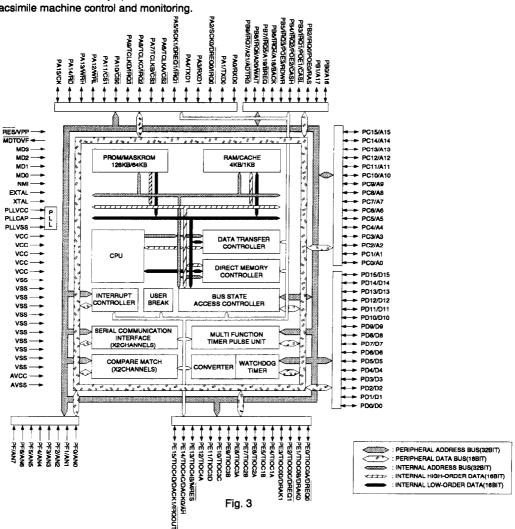
Line memory for the main CPU system RAM area and coding/decoding process. Used as the transmission buffer.

Memory of recorded data such as daily report and auto dials. When the power is turned off, this memory is backed up by the lithium battery.

4) MSM514800 (IC16, IC23): pin-28 SOJ (RAM)

Image memory for recording process.

· Memory for recording pixel data at without paper.



SH7040 (IC12) Terminal list

QFP112 Pin No.	MCU MODE	PROM MODE
1	PE14/TIOC4C/DACKO/AH	VCC
2	PE15/TIOC4D/DACK1/IRQOUT	CE
3	VSS	VSS
4	PC0/A0	AO
5	PC1/A1	A1
6	PC2/A2	A2
7	PC3/A3	A3
8	PC4/A4	A4
9	PC5/A5	A5
10	PC6/A6	A6
11	PC7/A7	A7
12	PC8/A8	A8
13	PC9/A9	N.C.
14	PC10/A10	A10
15	PC11/A11	A11
16	PC12/A12	A12
17	PC13/A13	A13
18	PC14/A14	A14
19	PC15/A15	A15
20	PB0/A16	A16
21	vcc	VCC
22	PB1/A17	N.C.
23	vss	vss
24	PB2/IRQ0/POE0/RAS	N.C.
25	PB3/IRQ1/POE1/CASL	ŌĒ
26	PB4/IRQ2/POE2/CASH	PGM
27	vss	vss
28	PB5/IRQ3/POE3/RDWR	vcc
29	PB6/IRQ4/A18/BACK	N.C.
30	PB7/IRQ5/A19/BREQ	N.C.
31	PB8/IRQ6/A20/WAIT	N.C.
32	PB9/IRQ7/A21/ADTRG	N.C.
33	vss_	VSS
34	PA14/RD	N.C.
35	WDTOVF	N.C.
36	PA13/WRH	N.C.
37	vcc	vcc
38	PA12/WRL	N.C.
39	vs <u>s</u>	VSS
40	PA11/CS1	N.C.
41	PA10/CS0	N.C.
42	PA9/TCLKD/IRQ3	N.C.
43	PA8/TCLKC/IRQ2	N.C.
44	PA7/TCLKB/CS3	N.C.
45	PA6/TCLKA/CS2	N.C.
46	PA5/SCK1/DREQ1/IRQ1	N.C.
47	PA4/TXD1	N.C.
48	PA3/RXD1	N.C.
49	PA2/SCK0/DREQ0/IRQ0	N.C.
50	PA1/TXD0	N.C.
51	PA0/RXD0	N.C.
52	PD15/D15	N.C.
53	PD14/D14	N.C.
54	PD13/D13	N.C.
55	VSS	VSS
56	PD12/D12	N.C.
57	PD11/D11	N.C.
58	PD10/D10	N.C.
59	PD9/D9	N.C.

Pin No.	MCU MODE	PROM MODE
60	PD8/D8	N.C.
61	VSS	VSS
62	PD7/D7	D7
63	PD6/D6	D6
64	PD5/D5	D5
65	VCC	VCC
	-	D4
66	PD4/D4	
67	PD3/D3	D3
68	PD2/D2	D2
69	PD1/D1	D1
70	PD0/D0	D0
71	VSS	VSS
72	XTAL	N.C.
73	MD3	VCC
74	EXTAL	VSS
75	MD2	vcc
76	NMI	A9
77	VCC	VCC
78	MD1	VCC
79	MD0	VCC
80	PLLVCC	VCC
81	PLLCAP	vss
82	PLLVSS	vss
83	PA15/CK	N.C.
84	RES	VPP
85	PE0/TIOC0A/DREQ0	N.C.
86	PE1/TIOC0B/DRAK0	N.C.
87	PE2/TIOC0C/DREQ1	N.C.
88	PE3/TIOCOD/DRAK1	N.C.
89	PE4/TIOC1A	N.C.
90	VSS	vss
91	PF0/AN0	VSS
92	PF1/AN1	VSS
-	PF2/AN2	VSS
93		
94	PF3/AN3	VSS
95	PF4/AN4	VSS
96	PF5/AN5	VSS
97	AVSS	VSS
98	PF6/AN6	VSS
99	PF7/AN7	VSS
100	AVCC	VCC
101	VSS	VSS
102	PE5/TIOC1B	N.C.
103	VCC	VCC
104	PE6/TIOC2A	N.C.
105	PE7/TIOC2B	N.C.
106	PE8/TIOC3A	N.C.
107	PE9/TIOC3B	N.C.
108	PE10/TIOC3C	N.C.
109	VSS	vss
110	PE11/TIOC3D	N.C.
111	PE12/TIOC4A	N.C.
112	PE13/TIOC4B/MRES	N.C.

SH7040 (IC12) Terminal function

Classification	Symbol	Input/Output	Name	Function
Power	Vcc	Input	Power	Connect the Vcc terminal to the power of all systems. Operation is not performed if there is open terminal.
	Vss	Input	Ground	Connect to the ground. Connect the Vss terminal to the ground of all systems. Operation is not performed if there is open terminal.
	Vpp	Input	Program power	In case of normal operation connect to the power (Vcc). In the PROM mode 12.5V is applied.
Clock	PLLVcc	Input	Power for PLL	Power for built-in PLL oscillator.
	PLLVss	Input	Ground for PLL	Ground for built-in PLL oscillator.
	PLLCAP	Input	Capacity for PLL	Externally provided capacity terminal for built-in PLL oscillator.
	EXTAL	Input	External clock	Connect the crystal oscillator. It is possible to input also the external clock to the EXTAL terminal.
	EXTAL	Input	Crystal	Connect the crystal oscillator.
	СК	Output	System clock	The system clock is supplied to the peripheral device.
System control	RES	Input	Power-on reset	When Low Level is applied to this terminal, power-on reset state is generated.
	MRES	Input	Manual reset	When Low Level is applied to this terminal, the manual reset state is generated.
	WDTOVF	Output	Watch dog timer overflow	Overflow output signal from WDT.
	BREQ	Input	Bus right request	Low level is generated when the external device requestes release of bus right.
	BACK	Output	Bus right request acknowledge	It is indicated that the bus right has been released for the external device. The device whitch output the BREQ signal receives the BACK signal, thereby allowing to know that the bus right has been obtained.
Operation mode control	MD0 ~ MD3	Input	Mode setting	Terminal to decide the operation mode. During operation do not change the input value.
Interruption	NMI	Input	Nonmaskable interruption	Nonmaskable interruption request terminal. It is possible to select reception at rise edge or fall edge.
	IRQ0 ~ IRQ7	Input	Interruption request 0 to 7	Maskable interruption request terminal. It is possible to select level input and edge input.
	ĪRQOUT	Output	Interruption request output	Indicates occurrence of interruption factor. Occurrence of interruption can be known also during bus release.
Address bus	A0 ~ A21	Output	Address bus	Address is output.
Data bus	D0 ~ D15 (QFP-112) D0 ~ D31 (QFP-144)	Output	Data bus	16-bit (QFP-112 pin type) or 32-bit (QFP-144 pin type) two-direction data bus.
Bus control	CSO ~ CS3	Output	Chip selection 0 to 3	Chip selection signal for external memory or device.
	RD	Output	Reading	Indicates reading from the external device.
	WRH	Output	High-order side writing	Indicates writing into high-order 8 bits (bit 15 to 8) of external data
	WRL	Output	Low-order side writing	Indicates writing into Low-order 8 bits (bit 7 to 0) of external data.
	WAIT	Input	Wight	Input to insert the weight cycle into bus cycle when access to the external space is made.
	RAS	Output	Low address strobe	Dram low address strobe timing signal.

SH7040 (IC12) Terminal function

Classification	Symbol	Input/Output	Name	Function
Bus control	CASH	Output	High-order column address strobe	DRAM column address strobe timing signal. It is output when access to high-order 8bits of data is made.
	CASL	Output	Low order column address strobe	DRAM column address strobe timing signal.
	RDWR	Output	Dram reading/writing	DRAM writing strobe signal.
	AH	Output	Address hold	Address hold timing signal for the device which used address/data multiplex bus.
	WRHH(QFP-144)	Output	HHside writting	Indicates that bit 24 is written from bit 31 of external data.
	WRHL(QFP-144)	Output	HLside writting	Indicates that bit 15 is written from bit 23 of external data.
	CASHH(QFP-144)	Output	HH side column address strobe	DRAM column address strobe timing signal. It is output when access to bit 24 from bit 31 of data is made.
	CASHL(QFP-144)	Output	HL side column address strobe	DRAM column address strobe timing signal. It is output when access to bit 16 from bit 23 of data is made.
Multifunction timer pulse unit	TCLKA TCLKB TCLKC TCLKD	Input	MTU timer clock input	MTU counter external clock input terminal.
	TIOCOA TIOCOB TIOCOC TIOCOD	Input/output	MTU input capture/ output conveyer (channel 0)	Channel 0 input capture input/output conveyer output/PWM output terminal.
	TIOC1A TIOC1B	Input/output	MTU input capture/ output conveyer (channel 1)	Channel 1 input capture input/output conveyer output/PWM output terminal.
	TIOC2A TIOC2B	Input/output	MTU input capture/ output conveyer (channel 2)	Channel 2 input capture input/output conveyer output/PWM output terminal.
	TIOC1A TIOC1B	Input/output	MTU input capture/ output conveyer (channel 3)	Channel 3 input capture input/output conveyer output/PWM output terminal.
	TIOC1A TIOC1B	input/output	MTU input capture/ output conveyer (channel 4)	Channel 4 input capture input/output conveyer output/PWM output terminal.
Direct memory access controller (DMAC)	DREQ0 DREQ1	Input	DMA transfer request (channel 0,1)	From-external DMA transfer request input terminal.
	DRAK0 DRAK1	Output	DREQ request reception (channel 0,1)	From-external DMA transfer request input sampling reception is output.
	DACK0 DACK1	Output	DMA transfer strobe (channel 0,1)	From-external DMA transfer request external I/O strobe is output.
Serial communication interface (SCI)	TxD0 TxD1	Output	Transmission data (channel 0 to 1)	SCI 0 and 1 transmission data output terminal.
	RxD0 RxD1	Input	Reception data (channel 0 to 1)	SCI 0 and 1 reception data input terminal.
	SCK0 SCK1	Input/output	Serial clock (channel 0 to 1)	SCI 0 and 1 clock input/output terminal.
A.D converter	AVcc	Input	Analog power	Analog power Vcc potential is connected.
	AVss	Input	Analog ground	Analog power Vss potential is connected.
	AVref (QFP-144)	Input	Analog reference power	Analog reference power input terminal.
	AN0 ~ AN7	Input	Analog input	Analog signal input terminal.
	ADTRG	Input	A/D conversion trigger input	A/D conversion state external trigger input.



SH7040 (IC12) Terminal function

Classification	Symbol	Input/Output	Name	Function
I/O port	POE0 ~ POE3	Input	Port output enable	Input terminal to perform port terminal drive control when the general-use port is set to output.
	PA0 ~ PA15 (QFP-112) PA0 ~ PA23 (QFP-144)	Input/output	General use port	General-use input/output port terminal. It is possible to specify input/output for each bit.
	PB0 ~ PB9	Input/output	General use port	General-use input/output port terminal. It is possible to specify input/output for each bit.
	PC0 ~ PC15	Input/output	General use port	General-use input/output port terminal. It is possible to specify input/output for each bit.
	PD0 ~ PD15 (QFP-112) PD0 ~ PD31 (QFP-144)	Input/output	General use port	General-use input/output port terminal. It is possible to specify input/output for each bit.
	PE0 ~ PE15	Input/output	General use port	General-use input/output port terminal. It is possible to specify input/output for each bit.
	PF0 ~ PF7	Input	General use port	General-use input port terminal.

(2) Panel control block

The following controls are performed by the Gate array (LZ9FJ49).

- Operation panel key scanning
- Operation panel LCD display

(3) Mechanism/recording control block

The following controls are performed by Gate array (LZ9FJ49).

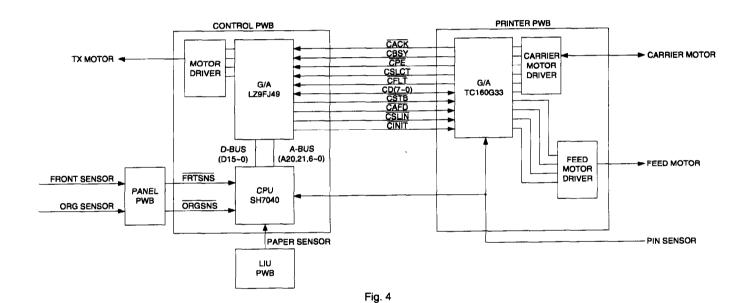
TX Motor control

The following controls are performed by CPU (SH2).

Sensor detection

The following controls are performed by Gate array (TC160G33:PRINTER PWB).

- Carrier Motor control
- Feed Motor control



(4) Modem (R144EFXL) block

INTRODUCTION

The Rockwell R144EFXL MONOFAX modem is a synchronous 14400 bits per second (bps) half-duplex modem with error detection and DTMF reception. It has low power consumption and requires only a single +5V DC power supply. The modem is housed in a single VLSI device package.

The modem can operate over the public switched telephone network (PSTN) through line terminations provided by a data access arrangement (DAA).

The R144EFXL is designed for use in Group 3 facsimile ma-chines.

The modem satisfies the requirements specified in CCITT recommendations V.29, V.27 ter, V.21 Channel 2 and T.4, and meets the binary signaling requirements of T.30.

The modem can operate at 14400, 9600, 7200, 4800, 2400, or 300 bps, and also includes the V.27 ter short training sequence option.

The modern can also perform HDLC framing according to T.30 at 14400, 9600, 7200, 4800, 2400, or 300 bps.

The modem features a programmable DTMF receiver and three programmable tone detectors which operate concurrently with the V.21 channel 2 receiver.

The voice mode allows the host computer to efficiently transmit and receive audio signals and messages.

The modem is available in either a 100-pin plastic quad flat pack (PQFP) or a 64-pin quad in-line package (QUIP).

General purpose input/output (GPIO) pins are available for host as signment in the 100-pin PQFP.

The modem's small size, single voltage supply, and low power consumption allow the design of compact system enclosures for use in both office and home environments.

MONOFAX is a registered trademark of Rockwell International.

FEATURES

- · Group 3 facsimile transmission/reception
 - ITU-TS V.29, V.27 ter, T.30, V.21 Channel 2, T.4
 - HDLC Framing at all speeds
- V.27 ter short train
- · Concurrent DTMF, FSK, and tone reception
- Voice mode transmission/reception
- Half-duplex (2-wire)
- Programmable maximum transmit level:
 - 0 dBm to -15 dBm
- Programmable transmit analog attenuation:
 - 0 dB to 14 dB in 2 dB steps
- Receive dynamic range: 0 dBm to -43 dBm
- Programmable dual tone generation
- Programmable tone detection
- Programmable tum-on and tum-off thresholds
- Programmable interface memory interrupt
- Diagnostic capability
 - Allows telephone line quality monitoring
- Equalization
 - Automatic adaptive equalizer
 - Fixed digital compromise equalizer
- DTE interface: two alternate ports
 - Selectable microprocessor bus (6500 or 8085)
 - CCITT V.24 (EIA-232-D compatible) interface
- TTL and CMOS compatible
- Low power consumption: 275 mW (typical)
- Single Package
 - 100-pin PQFP
 - 64-pin QUIP
- Single +5VDC power supply

R96DFXL-CID (IC11) Hardware Interface Signals

Pin No.	Signal Name	I/O Type
1	GP03	IA/OB
2	GP04	IA/OB
3	GP05	IA/OB
4	GP06	IA/OB
5	GP07	IA/OB
6	0VD2	GND
7	0VD2	GND
8	D7	IA/OB
9	D6	IA/OB
10	D5	IA/OB
11	D4	IA/OB
12	D3	IA/OB
13	D2	IA/OB
14	D1	IA/OB
15	D0	IA/OB
16	0VD2	GND
17	OVA RAMPIN	GND R
18 19	NC HAMPIN	"
20	NC NC	1
20	OVA	GND
22	+5VD2	PWR
23	0VD1	GND
24	SWGAINI	R
25	ECLKIN1	R
26	SYNCIN1	R
27	NC	
28	NC	
29	NC	
30	0VA	GND
31	NC	
32	NC	
33	NC	
34	DAIN	R
35	ADOUT	R
36	BYPASS	IC
37	RCVI	R
38	TXLOSS3	IC
39	TXLOSS2	IC
40	TXLOSS1	IC
41 42	NC NC	
42	OVA	GND
43	TXOUT	AA
45	RXIN	AB
46	+5VA	PWR
47	0VA	GND
48	AGD	R
49	AOUT	R
50	0VD1	GND
51	NC	1
52	ĪRQ	ос
53	WRITE-R/W	IA
54	cs	IA.
55	READ-	IA
56	RS4	1A
57	RS3	JA
58	RS2	1A
59	RS1	IA .

Pin No.	Signal Name	I/O Type
60	RS0	IA
61	GP13	IA/OB
62	NC	
63	GP11	IA/OB
64	RTS	IA
65	EN85	R
66	0VD2	GND
67	PORI	ID
68	XTLI	R
69	XTLO	R
70	XCLK	OD
71	YCLK	OD
72	+5VD1	PWR
73	DCLK1	R
74	SYNCIN2	R
<i>7</i> 5	GP16	IA/OB
76	GP17	IA/OB
77	0VD2	GND
78	CTS	OA
79	TXD	IA
80	0VD2	GND
81	0VD2	GND
82	DCLK	OA
83	EYESYNC	OA
84	EYECLKX	OA
85	EYECLK	OA
86	EYEX	OA
87	ADIN	R
88	DAOUT	R
89	0VD2	GND
90	EYEY	OA
91	GP21	IA/OB
92	0VD2	GND
93	GP20	IA/OB
94	GP19	IA/OB
95	RXD	OA
96	RLSD	OA
97	0VD2	GND
98	RCVO	R
99	SWGAINO	R
100	GP02	IA/OB
Notes:		

Notes:

- 1. NC = No connection; leave pin disconnected (open).

2. I/O Type: = Digital signals: see Table 9;

Analog signals: see Table 10.

3. R = Required modern inter-connection; no connection to host equipment.

(5) Image signal process block

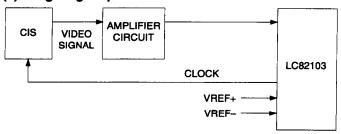


Fig. 5

The CIS is driven by the LSI (LC82103), and the output video signal from the CIS is input into the LC82103 through the amplifying circuit . The ADC and buffer are provided in the LC82103, and the digital image processing is performed.

(6) Speaker amplifier

The speaker amplifier monitors the line under the on-hook mode, outputs the buzzer sound generated from the SH7040, ringer sound, DTMF generated from the modern, and line sound.

(7) Adjustment of voice/ringer volume

The voice/ringer volume can be adjusted by using the panel bottons "UP" and "DOWN".

- The ringer volume can be adjusted in the Stand-by mode by pressing the UP/DOWN button.
- The reception level can be adjusted by pressing the UP/DOWN button when the handset is located in the off-hook state.
- The speaker volume can be adjusted by using the speaker key.

[3] Circuit description of TEL/LIU PWB

(1) TEL/LIU block operational description

1) Block diagram

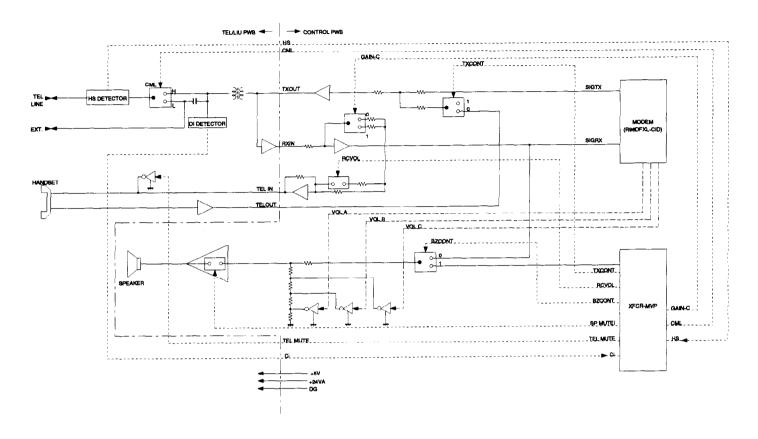


Fig. 6

2) Circuit description

The TEL/LIU PWB is composed of the following 10 blocks.

- 1. Surge protection circuit
- 2. On-hook status detection circuit
- 3. Dial pulse generation circuit
- 4. CML relay
- 5. Matching transformer
- 6. Hybrid circuit
- 7. Signal selection
- 8. Sensor circuit
- 9. Ci detection circuit
- 10. Power supply and bias circuit

3) Block description

1. Surge Protection circuit

This circuit protects the circuit from the surge voltage occurring on the telephone line.

- The AR1 protects the circuit from the 390V or higher line surge voltages.
- The VA1 and VA2 protect the circuit from the 470V or higher vertical surge voltages.

2. On-hook status detection circuit

The on-hook status detection circuit detects the Status of the hook switch (RHS) of Built-in telephone, and the status of the hook of a telephone externally connected.

 The status of on-hook switch (RHS) is determined from the logical level of RHS signal.

RHS LOW : ON-HOOK RHS HIGH : OFF-HOOK

External telephone hook status detection circuit (HS1)

This circuit comprises the photo-coupler PC1, resistors R3 and R4, Zener diodes ZD1 and ZD2.

When an external telephone is connected and enters the on-hook mode, the LED of photo-coupler PC1 emits light and the light receiving element turns on. The status signal HS1 is input to the pin 84 of (XFCR-MVP) (IC4: control PWB).

HS1 LOW: EXT. TEL OFF-HOOK HS1 HIGH: EXT. TEL ON-HOOK

3. Dial pulse generation circuit

The pulse dial generation circuit comprises the CML relay.

4. CML relay

The CML relay switches over connection to the matching transformer T1 while the FAX or built-in telephone is being used.

5. Matching transformer

The matching transformer performs electrical insulation from the telephone line and impedance matching for transmitting the TEL/FAX signal.

6. Hybrid circuit

The hybrid circuit performs 2-wire-to-4-wire conversion using the IC2 of operational amplifier, transmits the voice transmission signal to the line, and feeds back the voice signal to the voice reception circuit as the side tone.

7. Signal selection

The following signals are used to control the transmission line of TEL/FAX signal. For details, refer to the signal selector matrix table.

[Control signals from output port]

							
Signal Name	Description						
CML	Line connecting relay and DP generating relay H: Line make L: Line break				ЗУ		
SP MUTE	Speaker tone mute control signal H: Muting (Power down mode) L: Muting cancel (Normal operation)						
TEL MUTE	Handset H: Mutin L: Mutin	g		e contr	ol signa	1	
50,401	Handset	receive	er volun	ne con	trol sign	<u>al</u>	_
RCVOL	Volume	High	Mi	ddle	DTMF s	ending	
(The circuit is located	RCVOL	. Н		L	L		1
in the control PWB.)	SIDE KICK is two-stage switching. Note: The DTMF sending listed above is DTMF signal sending in the handset OFF-HOOK mode.				nal		
VOL A	Speaker volume control signal VRSEL1 VRSEL2 matrix						
VOL B	VOLA	VOL B	VOL C	RING./ Receiving	I Kuzzar	DTMF	
_	L	L	L	High		High	
(The circuit is located in the control PWB.)	H	L	L		Fixed		
0.0 00111.01 1 112.1,		L L	Н	Low		Low	ı
TXCONT (The circuit is located in the control PWB.)	TXOUT mute signal H: Signal sending, when transmitting L: During reception, transmission mute, (during standby)						
GAIN-C (The circuit is located in the control PWB.)	Reception gain switching signal L: When connected to line, 1: 1 gain H: When not connected to line, HIGH gain						
MPX A (The circuit is located in the control PWB.)	Transmission/transfer switching signal H: When transmitting modern signal (during standby) L: When transferring						
BZCONT (The circuit is located	Speaker H: Buzze				ıg		
in the control PWB.)	L: When	monito	ring line	signal			

[Signals for status recognition according to input signals]

Signal Name	Function
RHS	H: The handset is in the on-hook state.
'"."	L: The handset is in the off-hook state.
CI	Incoming call (CI) detection signal.
HS	H: The handset or external telephone is in the on-hook state. L: The handset or external telephone is in the
	off-hook state.
P.E	L: No recording paper. H: Recording paper exists.
DRSNS	H: Door open. L: Door close.

[Other signals]

Signal Name	Function	
TEL IN	Receiving signal from line or modem	
TEL OUT	Transfer signal to line	
TXOUT	Transmission (DTMF) analog signal output from modem	
RXIN	Reception (DTMF, others) analog signal input into modem	

NO	Signal Name (CNLIU)	NO	Signal Name (CNLIU)
1	+24VA	8	RHS
2	DG	9	TXOUT
3	PĒ	10	RXIN
4	+5V	11	TELMUTE
5	CML	12	N.C.
6	CI	13	TELOUT
7	HS	14	TELIN

8. Sensor circuit

For the recording paper sensor (P.E), when there is recording paper, the photo transistor in the light receiving side is ON and the detection level is LOW. When there is no recording paper, the photo transistor in the light receiving side is OFF and the detection level is HIGH.

9. Ci detection circuit

The CI detection circuit detects the CI signals of 15.3Hz to 68Hz. A CI signal, which is provided to the photo-coupler PC1 through the C1 (0.82 uF), R3 (22 K), and ZD3 when the ring signal is inputted from the telephone line.

10. Power supply and bias circuits

The voltages of +5V and +24VA are supplied from the control PWB unit.

(Example: Fax signal send)

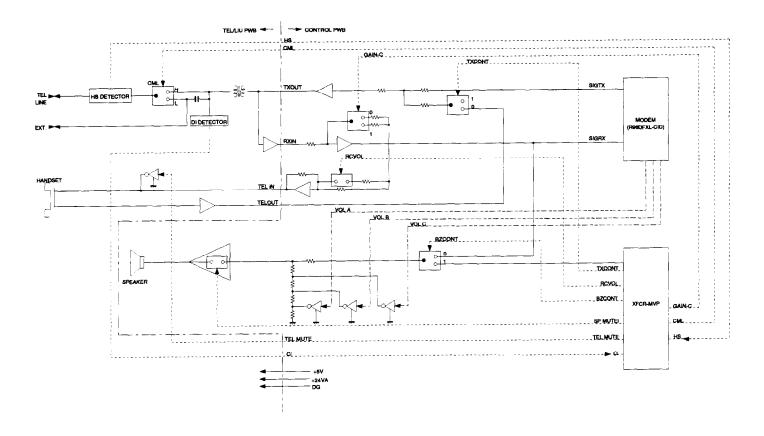
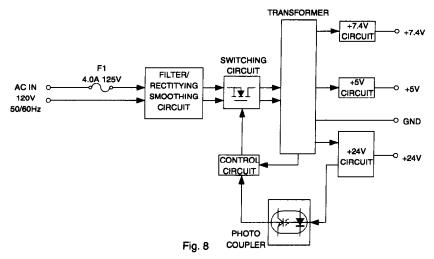


Fig. 7

[4] Circuit description of power supply PWB

1. Block diagram



The power unit intakes input of AC 120V, 50/60 Hz and supplies output of +24V, +7.4V and +5V as shown in the block diagram. (See Fig. 8.)

2-1. Filter, rectifying and smoothening circuit

In the filter section, the noise generated from the power unit is eliminated from being discharged to the external, and external noise is prevented from entering. Thunder or other excessive surge is prevented by the varistor Z1.

In the rectifying and smoothening section, AC input is rectified by the diodes D10, 11, 12 and 13, and is smoothened by the capacitor C5. Thus, DC voltage is supplied to the switching section. Moreover, the thermistor NTC1 prevents surge current when the power is turned on.

2-2. Switching section

The circuit uses the ringing choke converter of a self-excited type. Since MOS.

FETQ1 is repeatedly turned on and off in this system, the DC voltage supplied from the rectifying and smoothening section is converted into the high frequency pulses. While Q1 is on, energy is accumulated in the primary winding of the transformer T1, and while Q1 is off, energy is discharged to the secondary side. Thus, the power is supplied.

Moreover, the frequency is varied depending on the load of the output. As the load becomes the heavier, the frequency becomes the smaller to extend the ON period.

The constant voltage is controlled by applying the feedback to the con-

trol circuit through the photo coupler PC1 from +24V output. The overcurrent-protective circuit detects that the ON period becomes the wider as the output load becomes the heavier. For the control, the OFF period is extended by the control circuit to squeeze the energy which is accumulated in the primary winding of the transformer T1.

For protection against overvoltage, the rise of the output voltage of +24V on the secondary side is brought into the overcurrent state through the continuity of the power zener diode D104 between +24V output and GND. Thus, the overcurrent-protective circuit of the control circuit is activated for the protection.

2-3. +24V circuit

Output is supplied by rectifying and smoothening the output of the transformer T1 with the diode D101 and capacitor C101.

2-4. +5V circuit

+5 V output is generated by rectifying and smoothening the output of the transformer T1 with the diode D102 and capacitor C102 and stabilizing it with the 3-terminal regulator IC103.

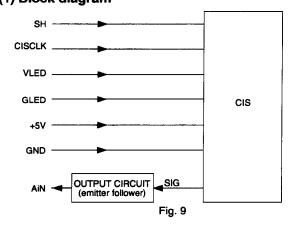
2-5. +7.4V circuit

This circuit rectificats and smoothings the high-frequency pulse voltage, and output the DC +7.4V to the equipment.

[5] Circuit description of CIS PWB

The CIS board picks up optical information from the document, converts it into an electrical (analog) signal and transfers it to the control board.

(1) Block diagram



(2) Description of blocks

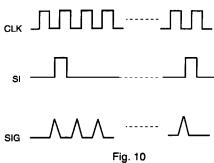
1. CIS

The DL100-05AUJS is a highly sensitive charged coupled image sensor that consists of 2160 picture elements.

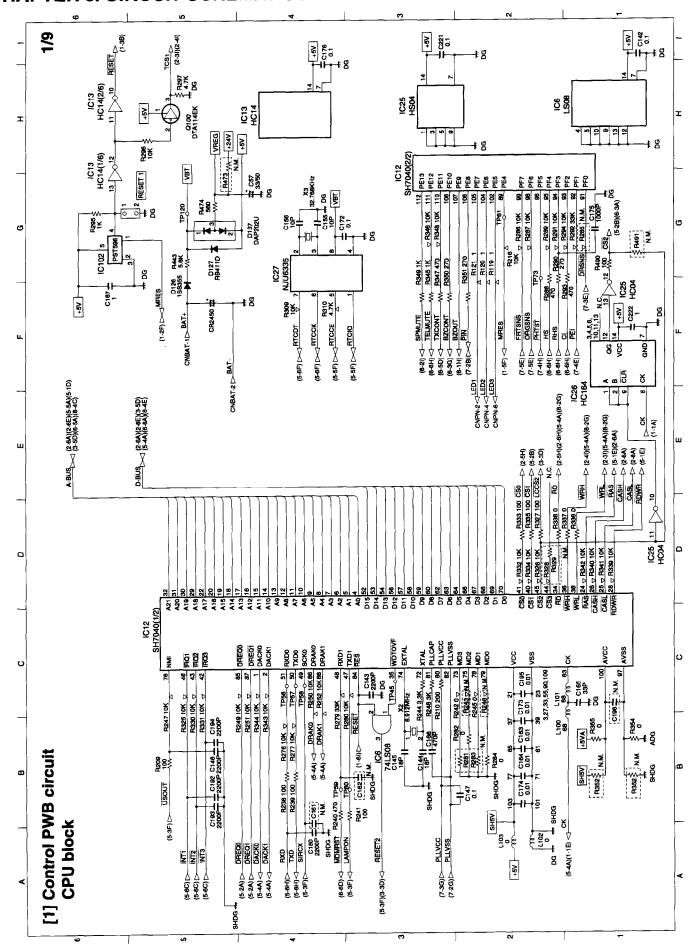
Receiving four drive signal (SI,CLK) from the control board, the tranferred photoelectric analog signal SIG is impedance converted, and the signal AiN, is supplied to the control board.

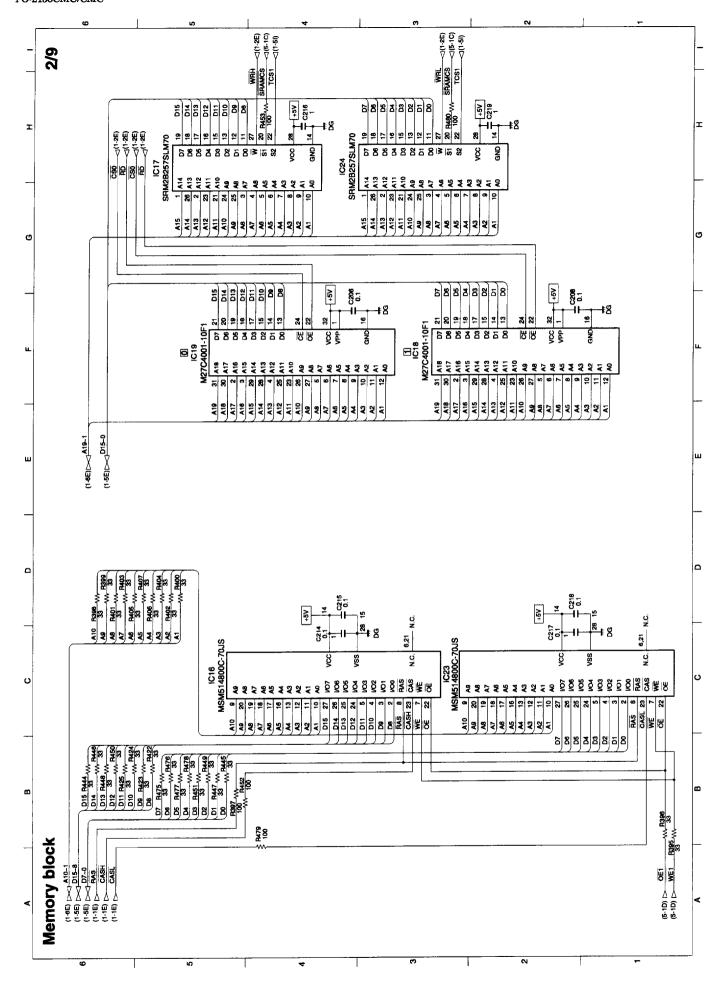
2. Waveforms

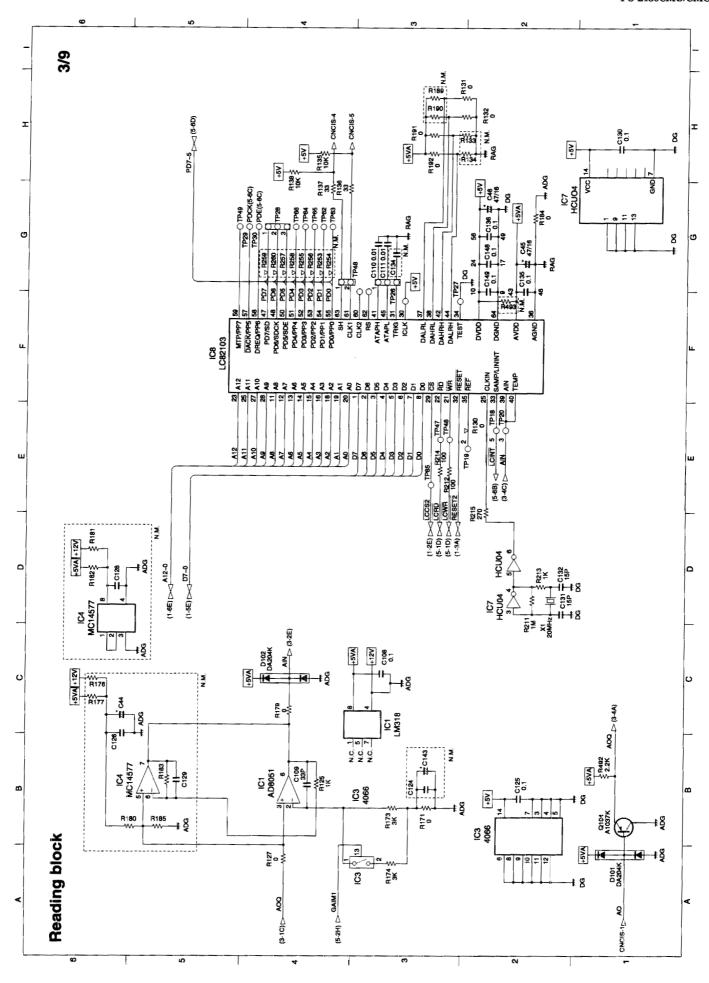
1. CLK, SI, SIG signals within the control board.

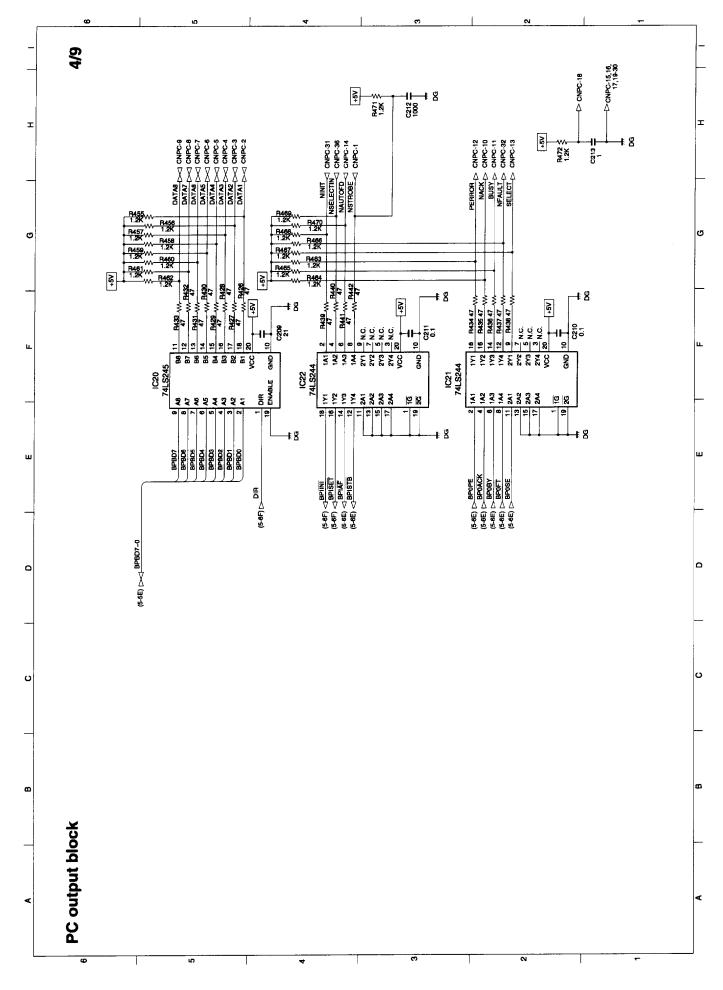


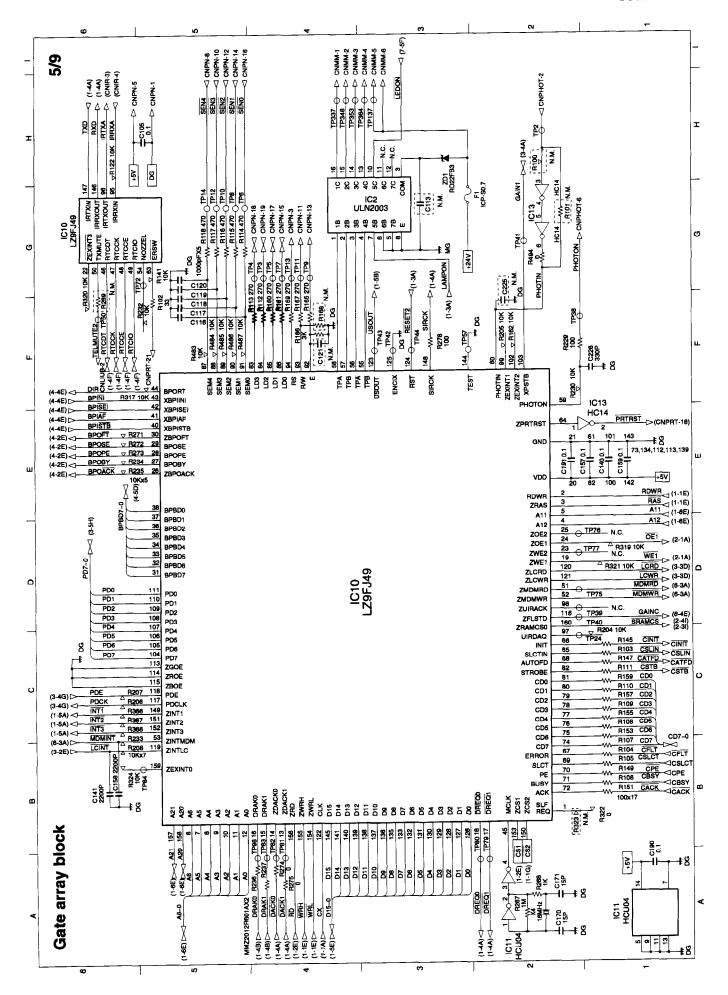
CHAPTER 6. CIRCUIT SCHEMATICS AND PARTS LAYOUT

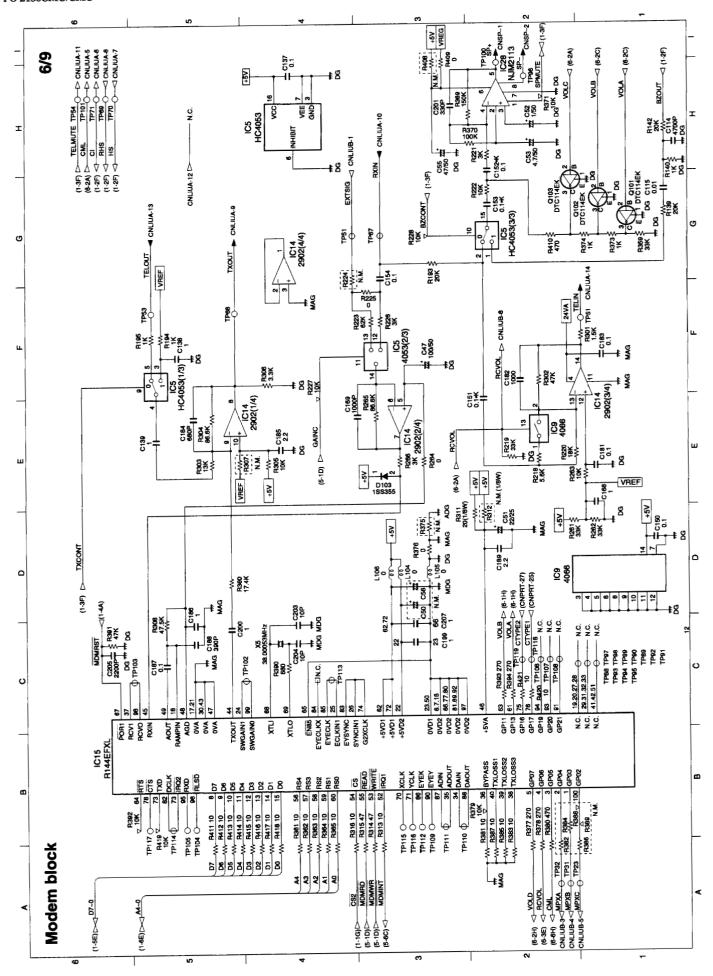


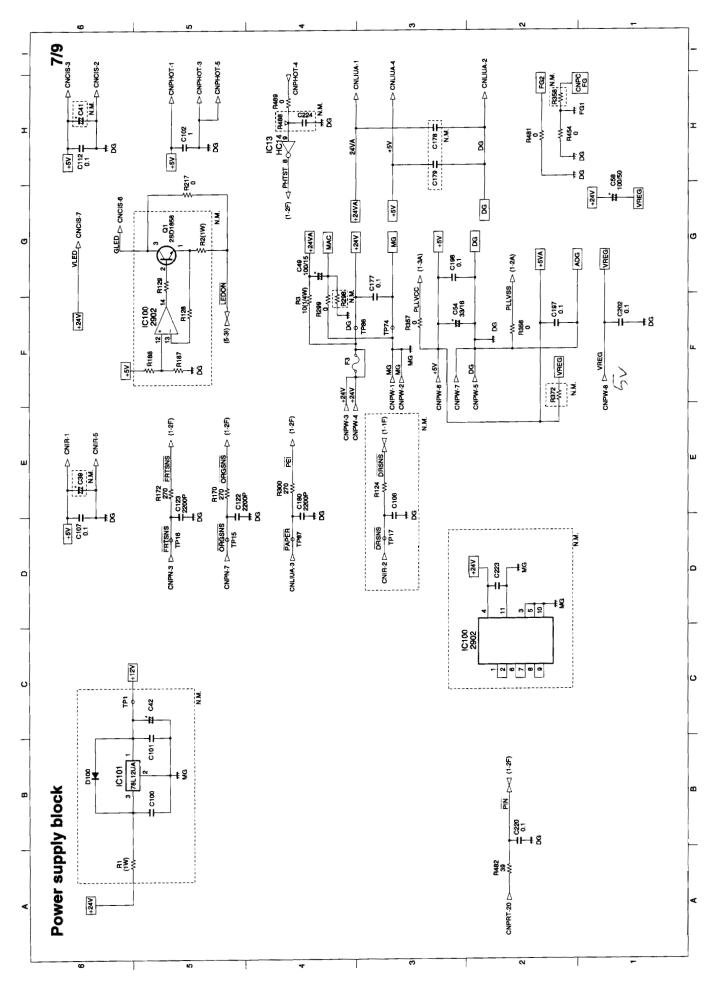


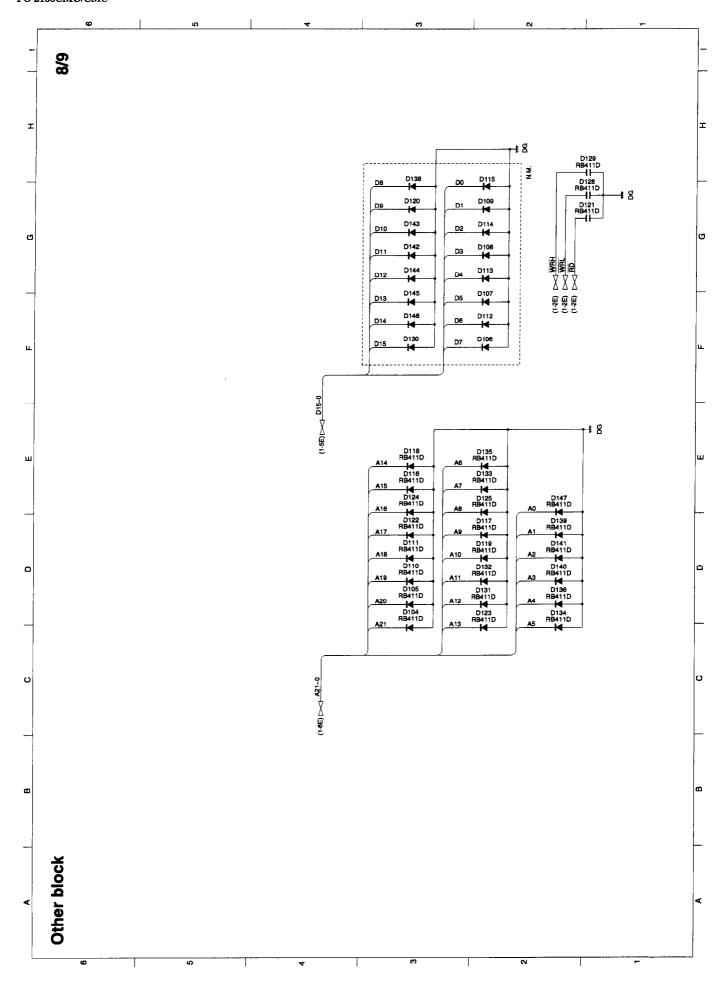


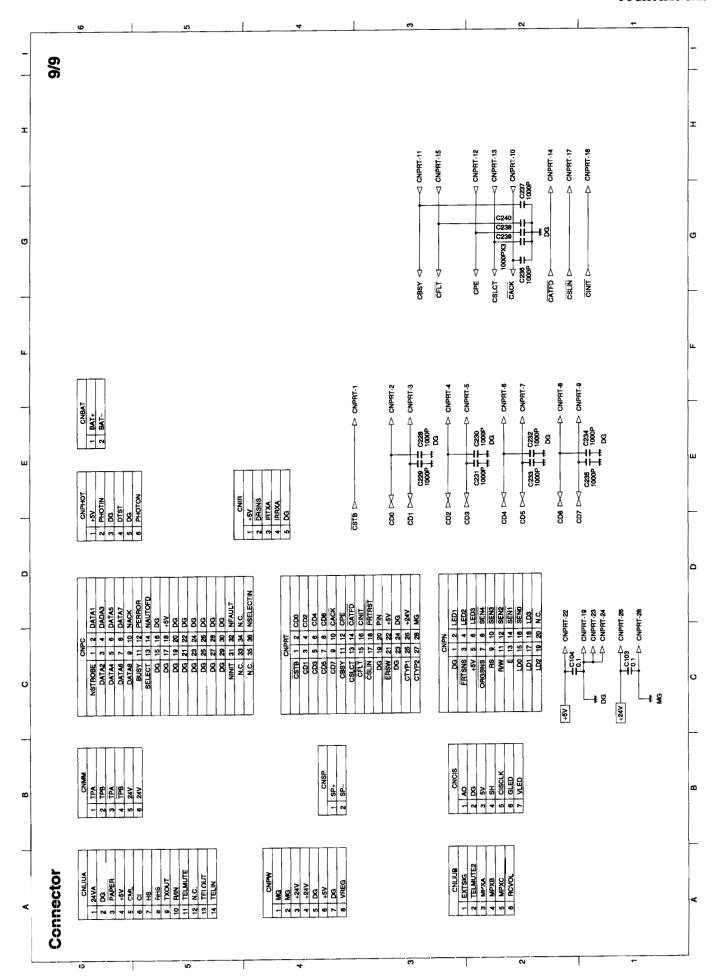




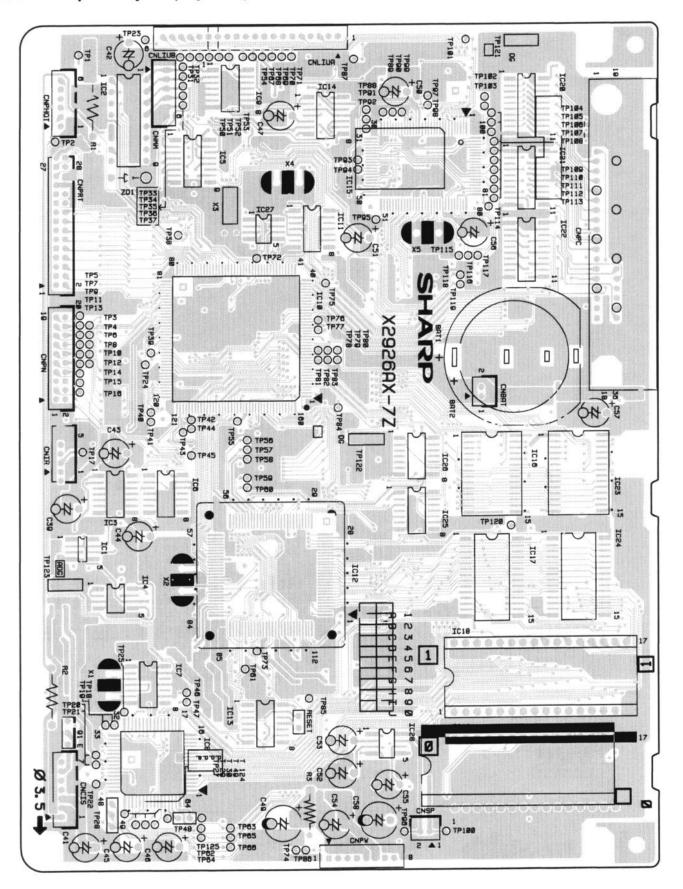




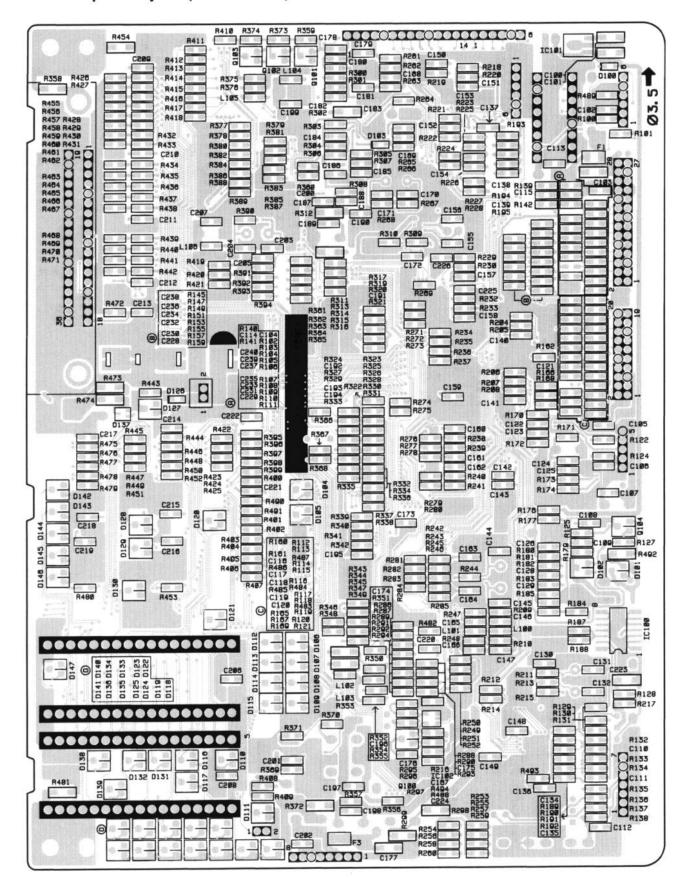


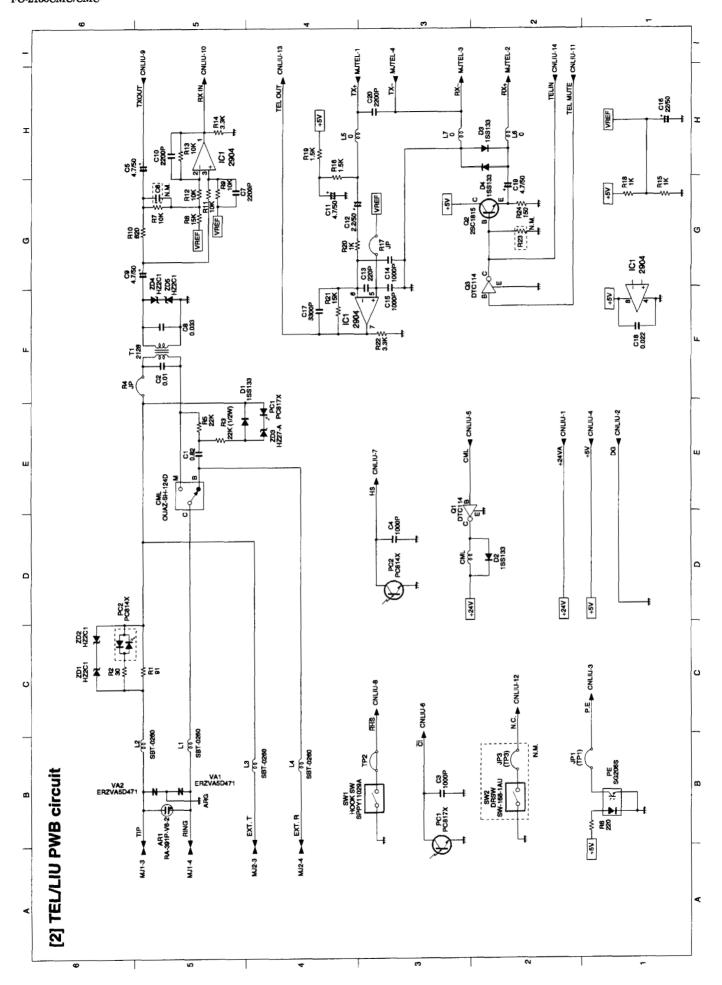


Control PWB parts layout (Top side)

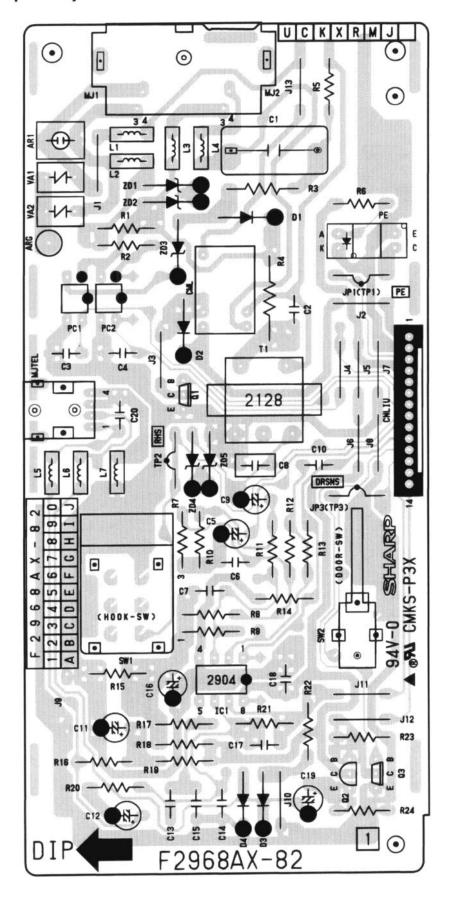


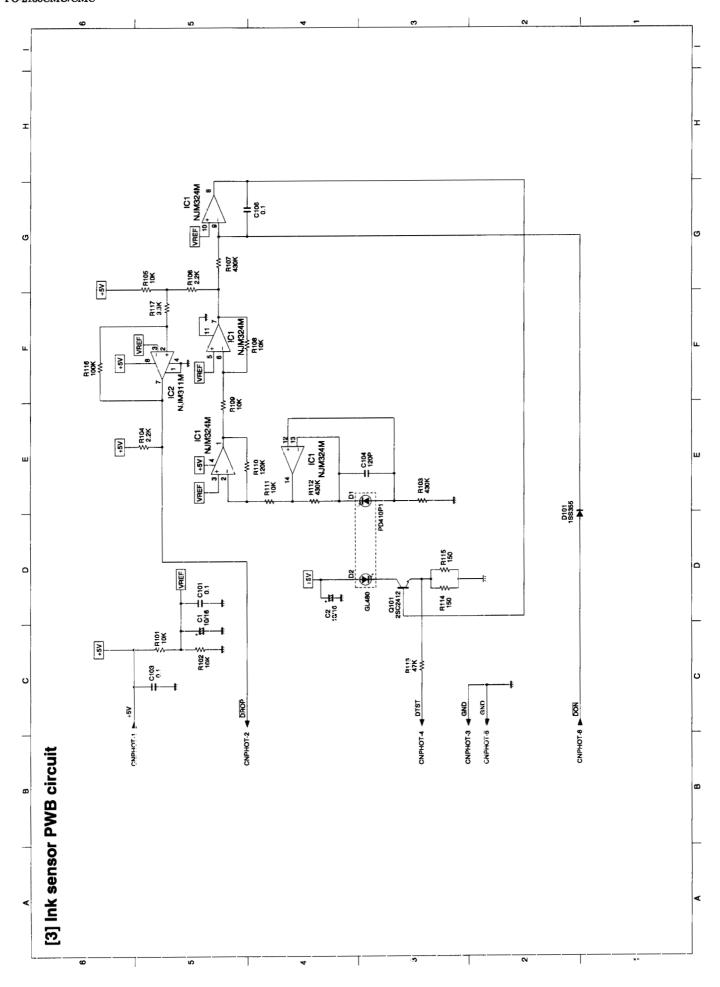
Control PWB parts layout (Bottom side)



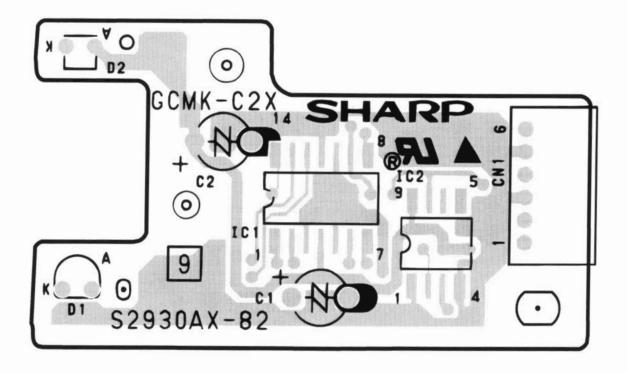


TEL/LIU PWB parts layout

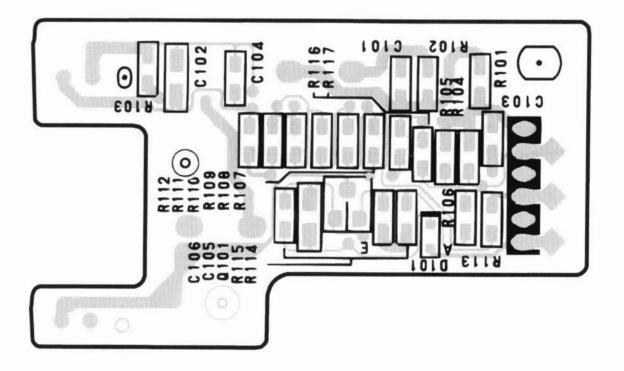


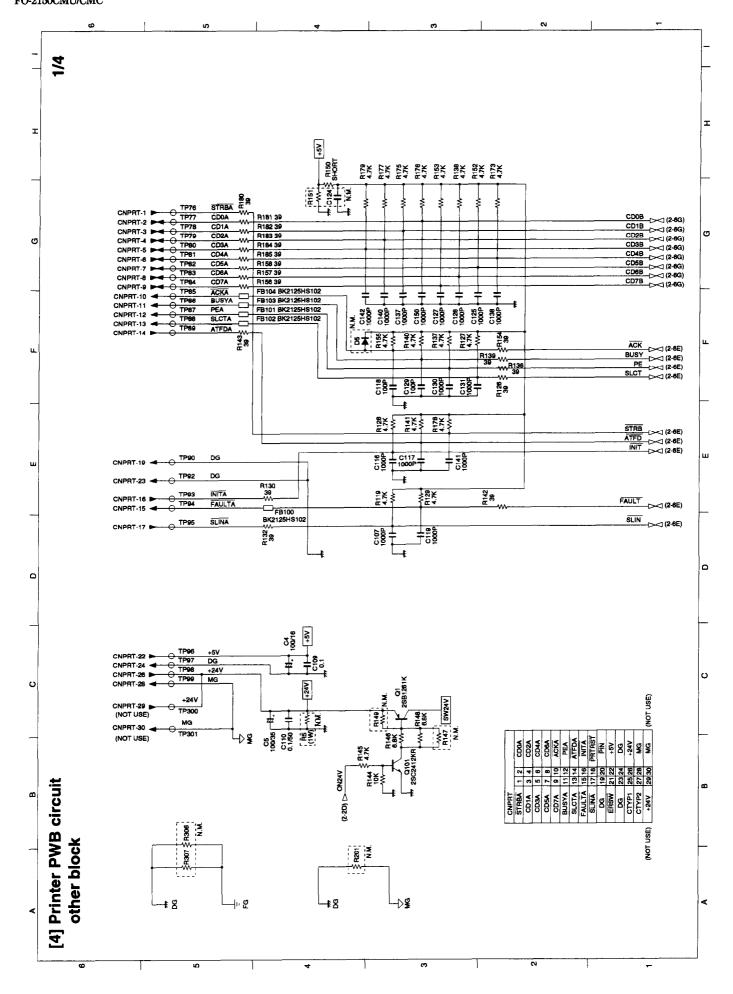


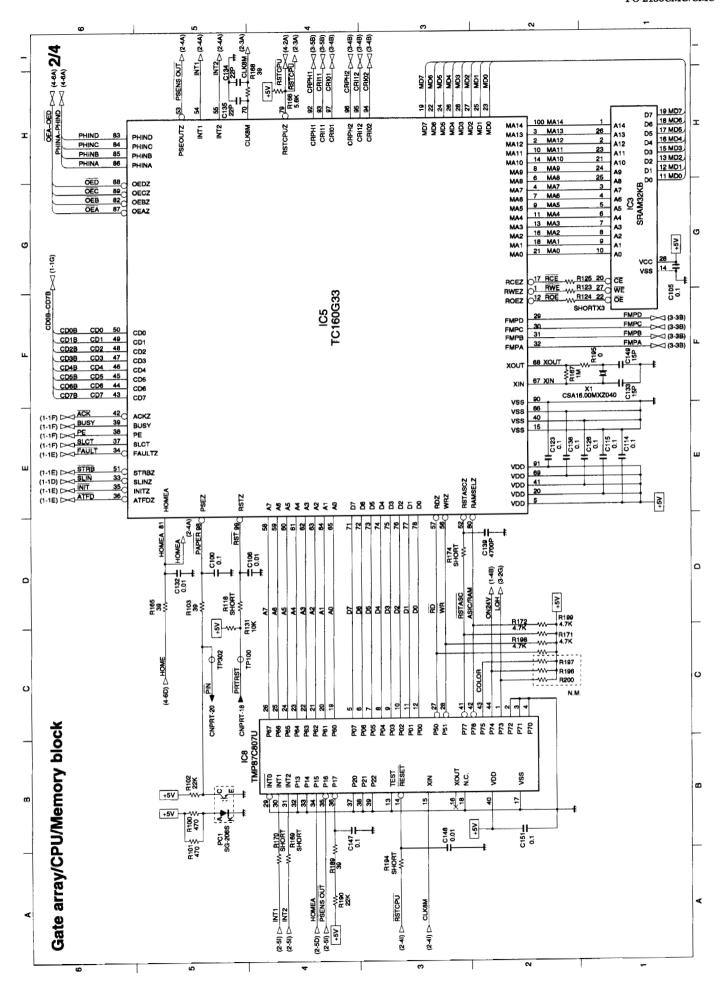
Ink sensor PWB parts layout (Top side)

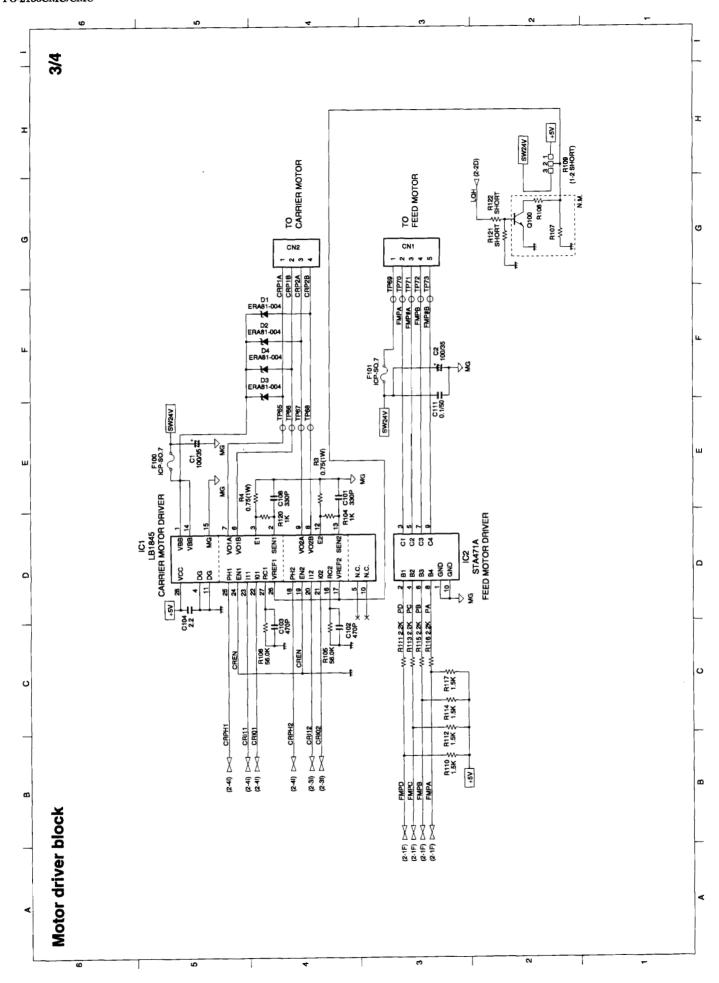


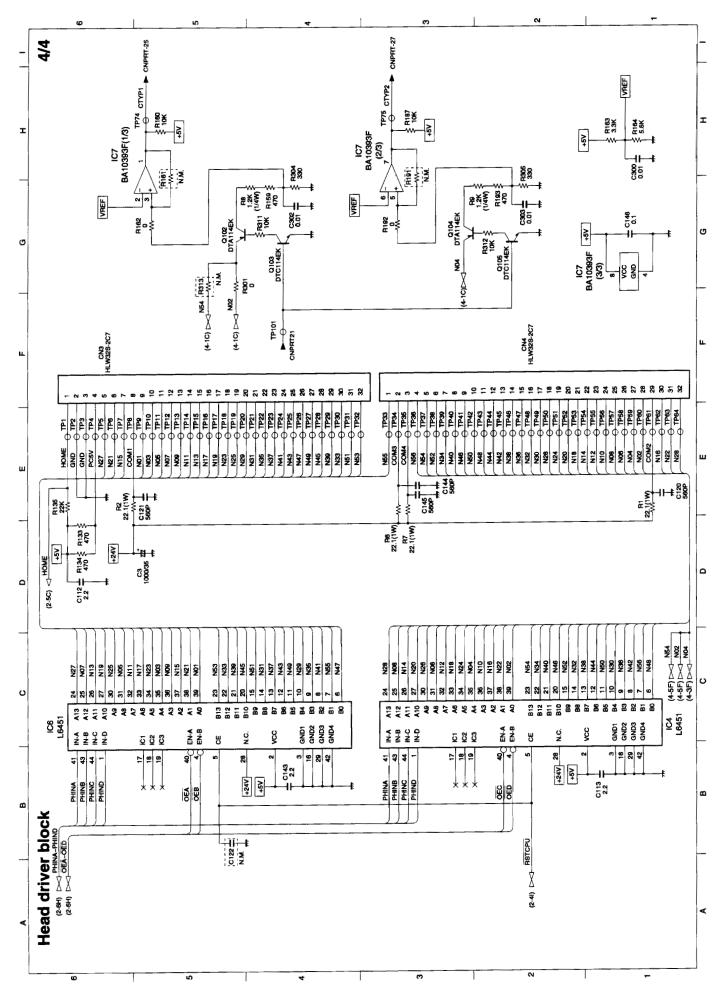
Ink sensor PWB parts layout (Bottom side)



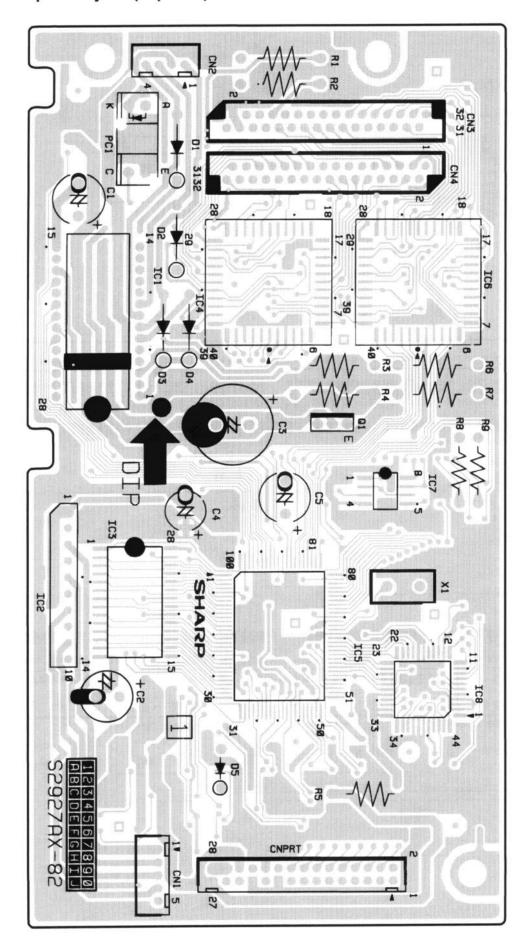




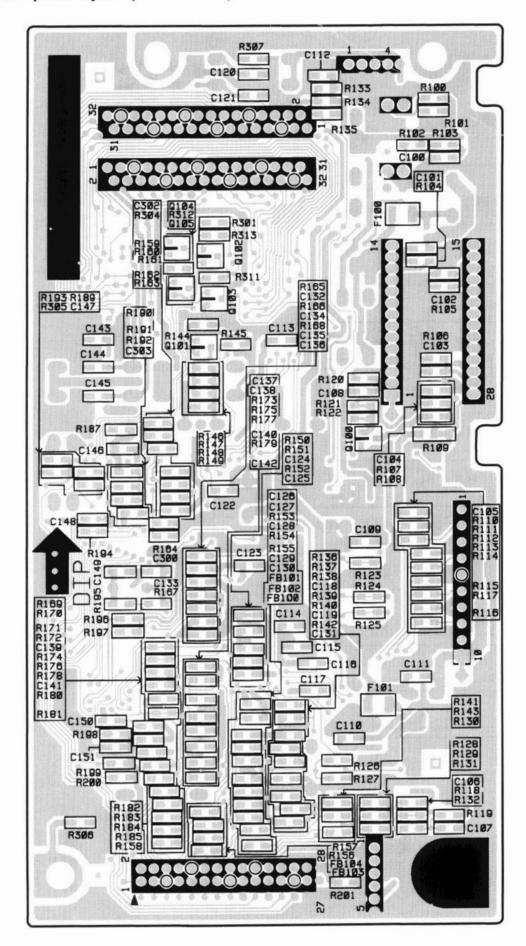


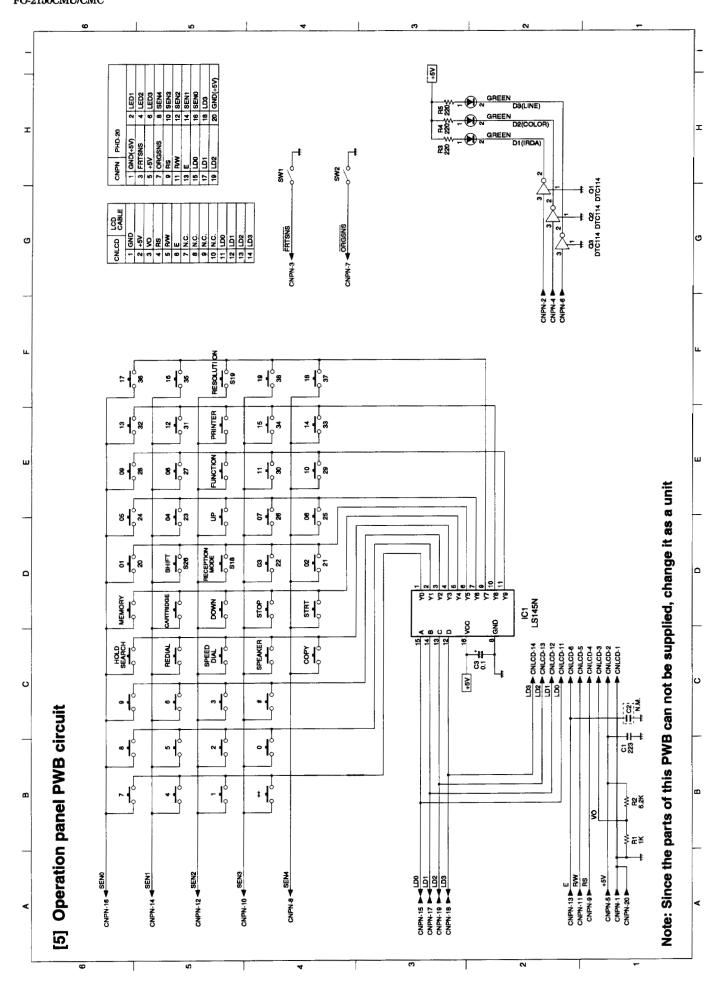


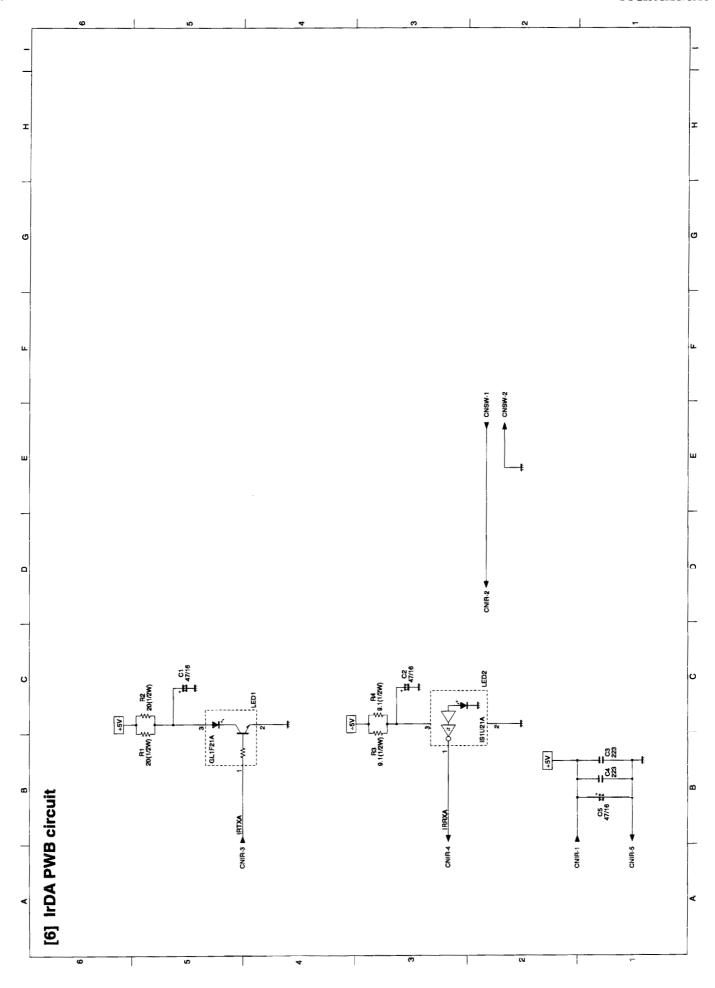
Printer PWB parts layout (Top side)



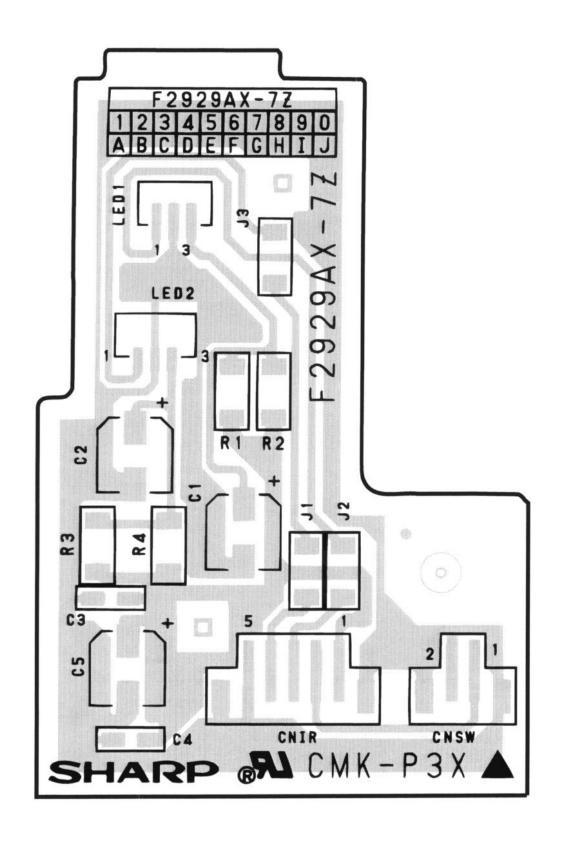
Printer PWB parts layout (Bottom side)

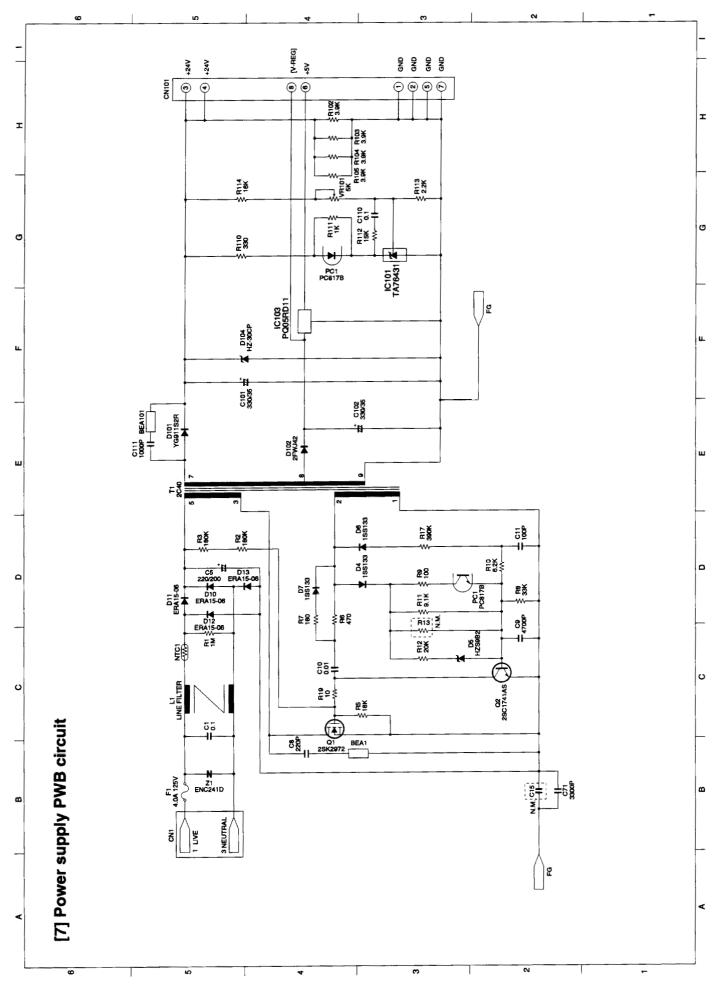




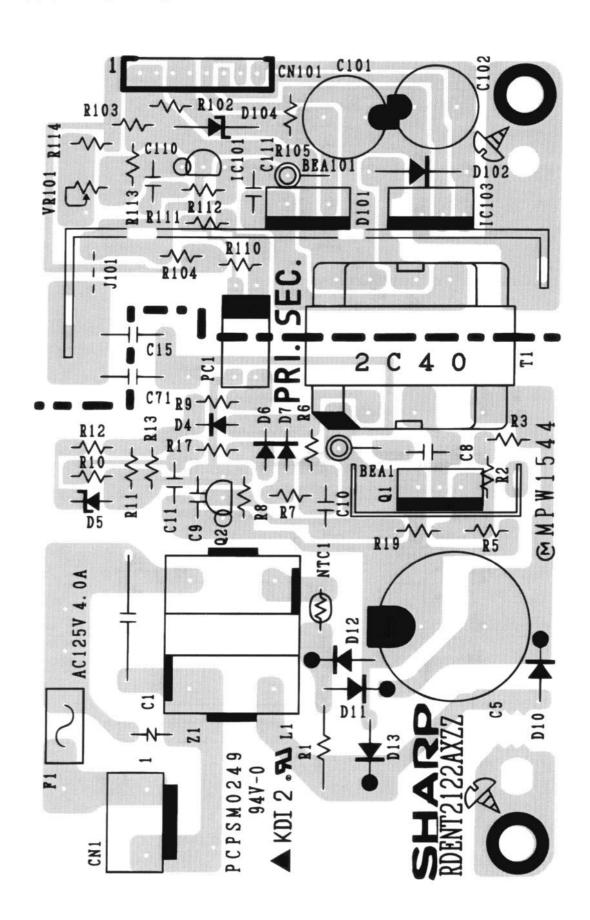


IrDA PWB parts layout



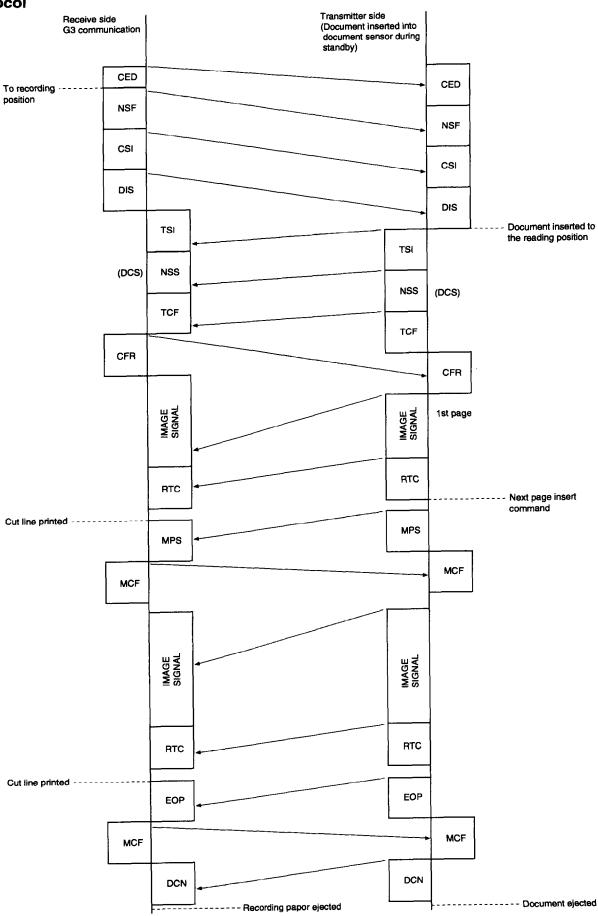


Power supply PWB parts layout

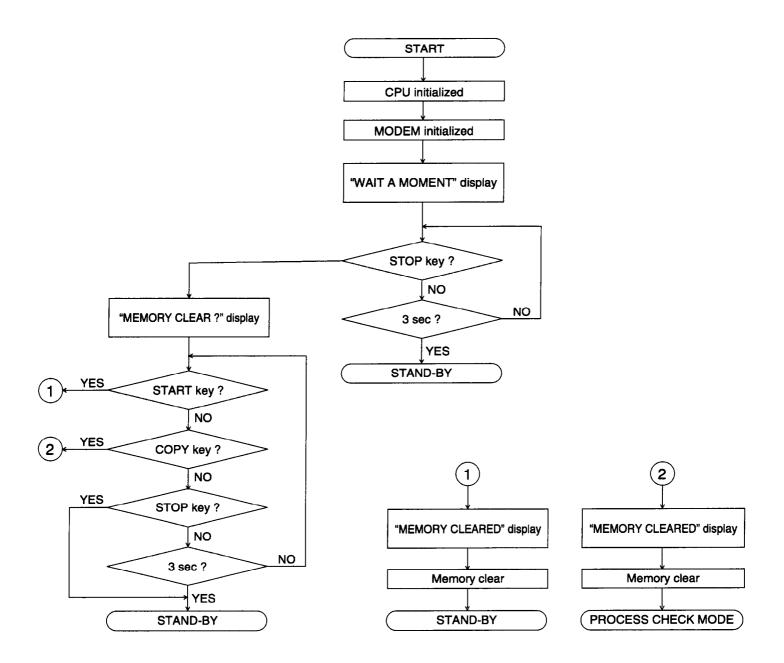


CHAPTER 7. OPERATION FLOWCHART

[1] Protocol



[2] Power on sequence



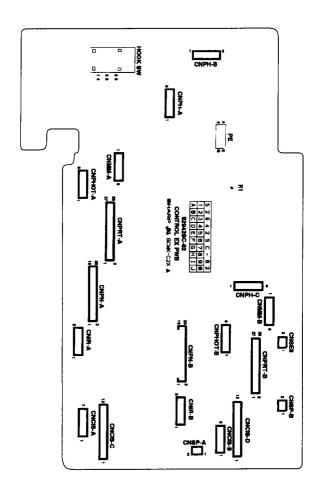
CHAPTER 8. OTHERS

[1] Service tools

1. List

NO.	PARTS CODE	DESCRIPTION	QTY	PRICE RANK
1	CPWBS2942SC 01	Extension board unit	1	CE
2	PSHEZ3354SCZZ	Shading wave memory standard paper	1	AD

Extension control board unit

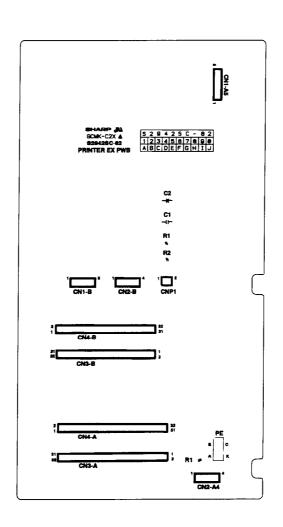


EXTENSION CONTROL PWB

NO.	PARTS CODE	DESCRIPTION	QTY	PRICE RANK
1	QCNW-4794SCZZ	CABLE [CNSPB]	1	AK
2	QCNW-4795SCZZ	CABLE [CNIRB]	1	AM
3	QCNW-4796SCZZ	CABLE [CNMMB]	1	AN
4	QCNW-4797SCZZ	CABLE [CNPHOTB]	1	AN
5	QCNW-4798SCZZ	CABLE [CNCISB]	1	AP
6	QCNW-4799SCZZ	CABLE [CNPNB]	1	AX
7	QCNW-4800SCZZ	CABLE [CNPRTB]	1	AZ
8	QCNW-4801SCZZ	CABLE [CNSES]	1	AU
9	QCNCM2401SC0B	CONNECTOR [CNSES]	1	AA
10	QCNCM2401SC0F	CONNECTOR [CNPHOTA,CNPHOTB]	2	AB
11	QCNCM2482SC2J	CONNECTOR [CNPNA,CNPNB]	2	AE
12	QCNCM2482SC2H	CONNECTOR [CNPRTA,CNPRTB]	2	AG
13	QCNCM7014SC0B	CONNECTOR [CNSPA,CNSPB]	2	AD
14	QCNCM7014SC0E	CONNECTOR [CNIRA,CNIRB]	2	AB
15	QCNCM7014SC0F	CONNECTOR [CNMMA,CNMMB]	2	AB
16	QCNCM7014SC0G	CONNECTOR [CNCISA,CNCISB]	2	AB
17	VHPSG206S//-1	PHOTO TRANSISTOR [PE]	1	AG
18	VRD-HT2EY221J	RESISTOR (1/4W 220Ω ±5%) [R1]	1	AA
19	QSW-Z2206SCZZ	HOOK SWITCH [HOOKSW]	1	AH



Extension printer board unit



EXTENSION PRINTER PWB

NO.	PARTS CODE	DESCRIPTION	QTY	PRICE RANK
1	QCNW-4802SCZZ	CABLE [CNP1]	1	AU
2	QCNW-4803SCZZ	CABLE [CN1-B]	1	AM
3	QCNW-4804SCZZ	CABLE [CN2-B]	1	AM
4	QCNW-4805SCZZ	CABLE [CN3-B],[CN4-B]	2	AW
5	QCNCM7014SC0B	CONNECTOR [CNPI]	1	AD
6	QCNCM7014SC0D	CONNECTOR [CN2-A],[CN2-B]	2	AB
7	QCNCM7014SC0E	CONNECTOR [CN1-A],[CN1-B]	2	AB
8	QCNCW2556SC3B	CONNECTOR [CN3-A],[CN3-B],[CN4-A],[CN4-B]	4	AG
9	VHPSG206S//-1	PHOT INTERRUPTER [PC1]	1	AG
10	VRD-HT2EY471J	RESISTOR (1/4W 470Ω ±5%) [R1],[R2]	2	AA

2. Description

2-1. Extension board unit

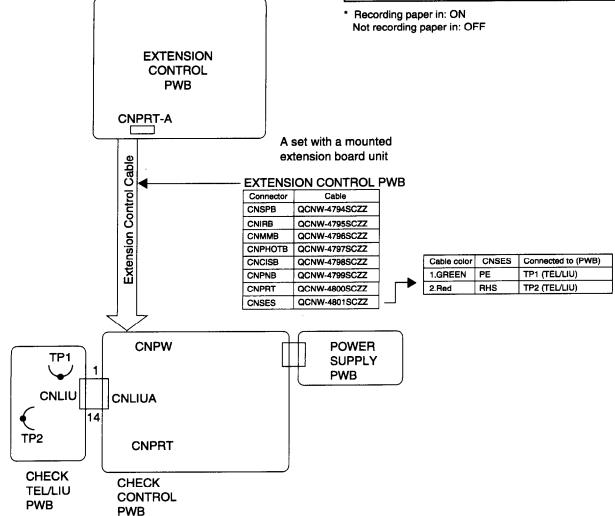
- Remove the TEL/LIU PWB, control PWB and Power Supply PWB from this unit, and mount the extension board unit instead.
 - Before connecting the wiring to the extension board unit, set the test PWB switches to the fixed position.
- 2. The setting is as follows:

(1). Check Control PWB only

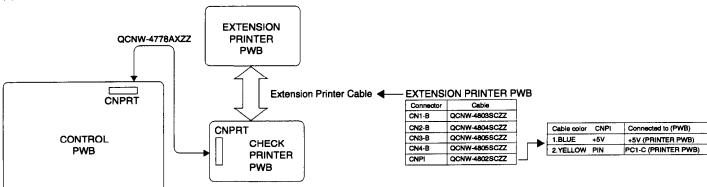
The paper-in sensor (PCI) is operated by OR of the mechanical unit switch and the test PWB switch.

When performing installation in the machine unit, set the test PWB switch to the fixed position.

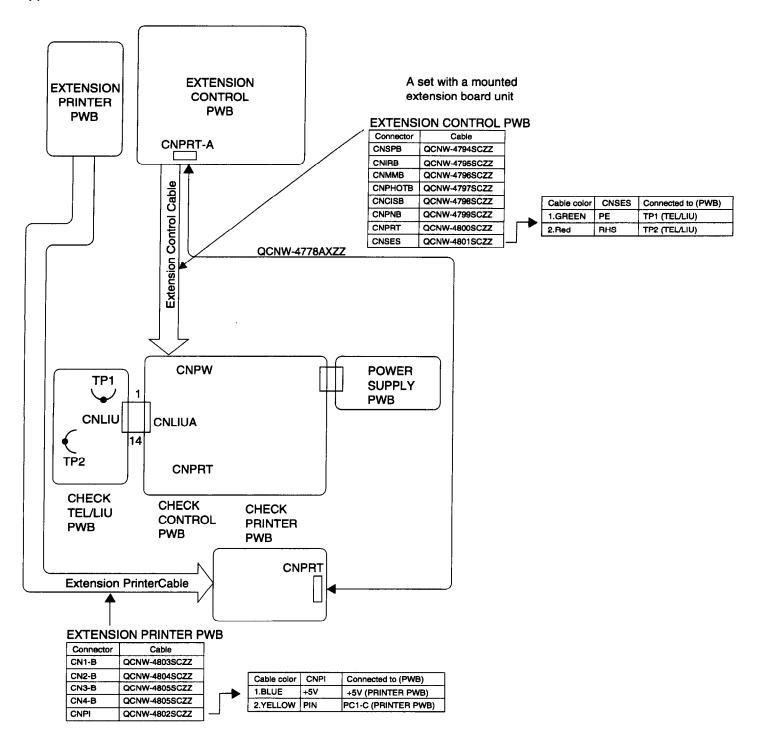
	Mechanical unit	PWB to be tested
	Actual operation with	mechanical unit
Paper in sensor	ON/OFF operation	OFF (Photo interrupter is interrupted.)
	PWB sensor check	
Paper in sensor	OFF	ON/OFF operation



(2). Check Printer PWB only

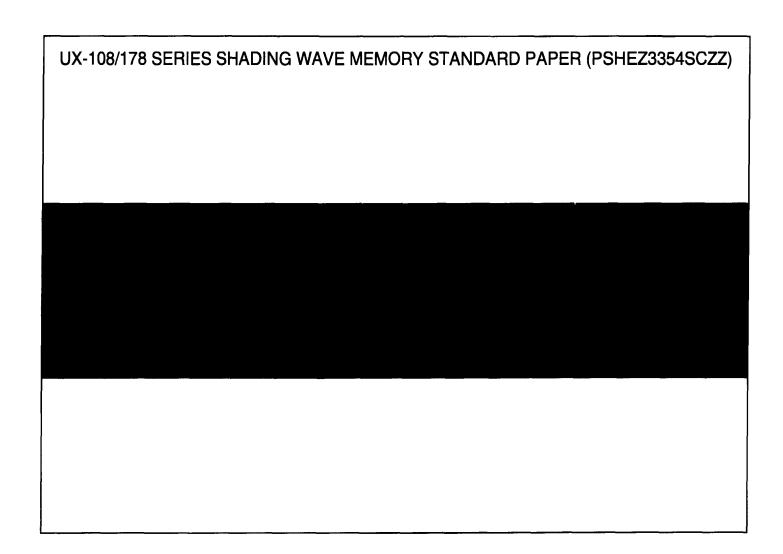


(3). Check Printer PWB and Control PWB



3. Shading paper

The white and black basis is applied to remember the shading waveform. Be sure to perform this operation when replacing the battery or replacing the control PWB.Execute in the shading mode of DIAG mode.

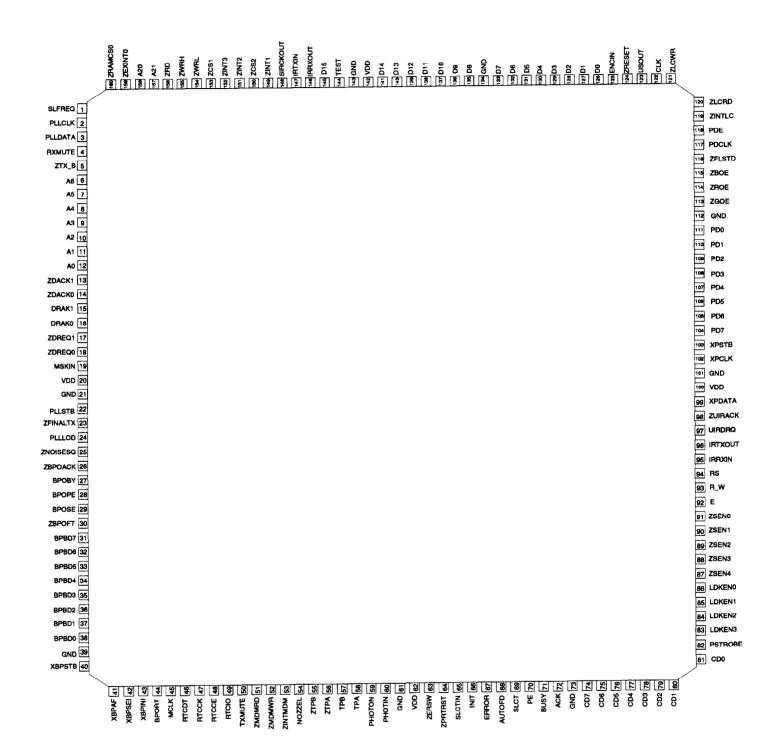


[2] IC signal name

CONTROL PWB UNIT

IC100: VHIAD8051//-1 (AD8051) IC26: VHISN74HC164NR (HC164) IC7, IC11: VHi74HCU04S-1 (74HCU04) IC13: VHISN74HC14NSR (74HC14) IC25: VHISN74HCO4NSR (HC04) TOP VIEW TOP VIEW **TOP VIEW** 14 VCC A 1 1A 1 14 VCC N.C. 8 N.C. 13 QH B 2 1Y 2 13 BA -IN 2 7 +VS 12 QG 2A 3 12 6Y QA 3 +IN 3 VOUT 6 11 QF QB 4 2Y 4 11 5A -VS 4 5 N.C. 10 QE QC 5 10 5Y 3A 5 9 CLR QD 6 3Y 6 9 4A GND 7 8 CLK GND 7 8 4Y IC12: VHISH7040//-1 (SH7040) Резтюсоровак: Регтюсосовая VCC PE6/TIOC18 PE10/TIOC3C PE7/TIOC2E PE&/TIOC2A 88 84 RES(VPP) PE14/TIOC4C/DACKO/AH 1 83 PA15/CK PE15/TIOC4D/DACK1/IRQOUT 2 82 PLLVSS V88 3 81 PLLCAP PCO/A0 4 80 PLLVCC 79 MD0 PC1/A1 5 PC2/A0 6 78 MD1 PC3/A3 7 77 VCC PC4/A4 8 76 NMI PC5/A5 9 75 MD2 PC8/A8 10 74 EXTAL PC7/A7 11 73 MD3 PC8/A8 12 72 XTAL PC9/A9 13 PC10/A10 14 71 VSS 70 P00/00 PC11/A11 15 69 PD1/D1 PC12/A12 16 68 PD2/D2 PC13/A13 17 67 PD3/D3 PC14/A14 18 66 PD4/D4 PC15/A15 19 65 VCC PB0/A16 20 64 PD5/D5 VCC 21 63 PD6/D6 PB1/A17 22 62 PD7/D7 VSS 23 61 VSS PB2/IRQ0/POE0/RAS 24 60 PD6/D8 PB3/IRQ1/POE1/CASL 25 59 PD9/D9 PB4/IRQ2/POE2/CASH 28 VSS 27 58 PD10/D10 57 PD11/D11 PB5/IRQ3/POE3/RDWR 28 PB9/IRC/A21/ADTRG PAS/TCLKG/RGZ PA7/TCLKB/CS3 PAS/SCK1/DŘECI/IŘOT [
PAA/TXD1 [
PA3/RXD1 [PA14/RID WDTOVF PA13WRH VCC PA12WAL PA11/CS1 PA10/CS0 PALITXDO | PAORIXDO | PD14/D14 | PD13/D13 | 88 VSS PB7/IRG6/A19/BREQ PAS/TCLKD//RG3 PA&TCLKACS2 PA2/SCKO/DREGO/IRGO

IC10: VHILZ9FJ49/-1 (LZ9FJ49)

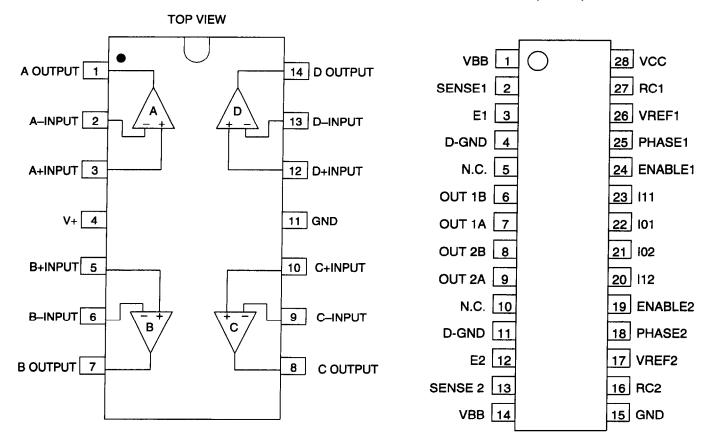


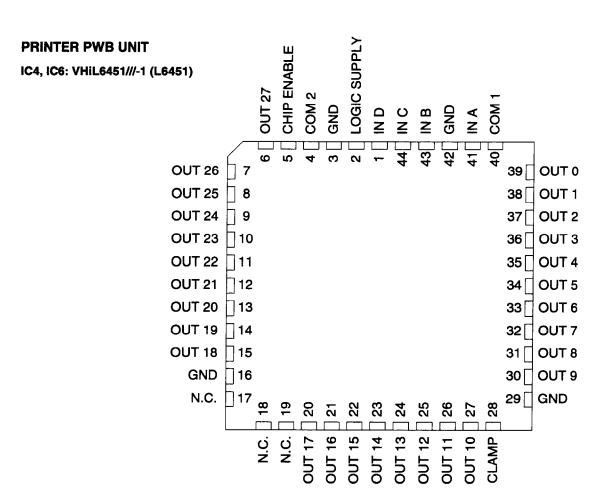
INK SENSOR PWB UNIT

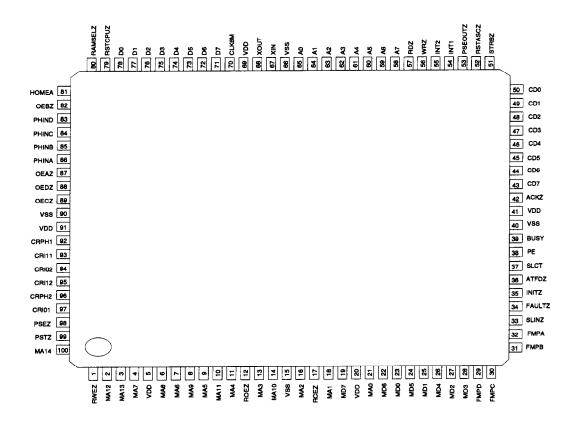
IC1: VHINJM324M/-1 (LM324M)

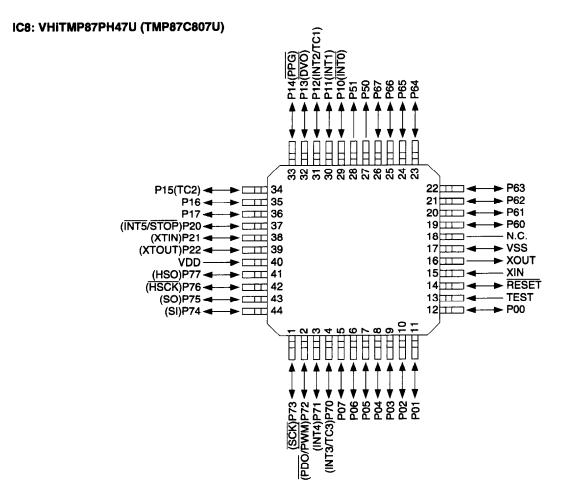
PRINTER PWB UNIT

IC1: VHILB1845//-1 (LB1845)









UX-2200CMU/CMC FO-2150CMU/CMC

MEMO

SHARP PARTS GUIDE

UX-2200CM MODEL FO-2150CM

CONTENTS -

10 Control PWB unit

1 Cabinet, etc.

Upper cabinet 11 TEL-Liu PWB unit

3 Panel cabinet 12 Ink sensor PWB unit

Document guide upper 13 Printer PWB unit

5 Paper feed unit 14 Operation panel PWB unit

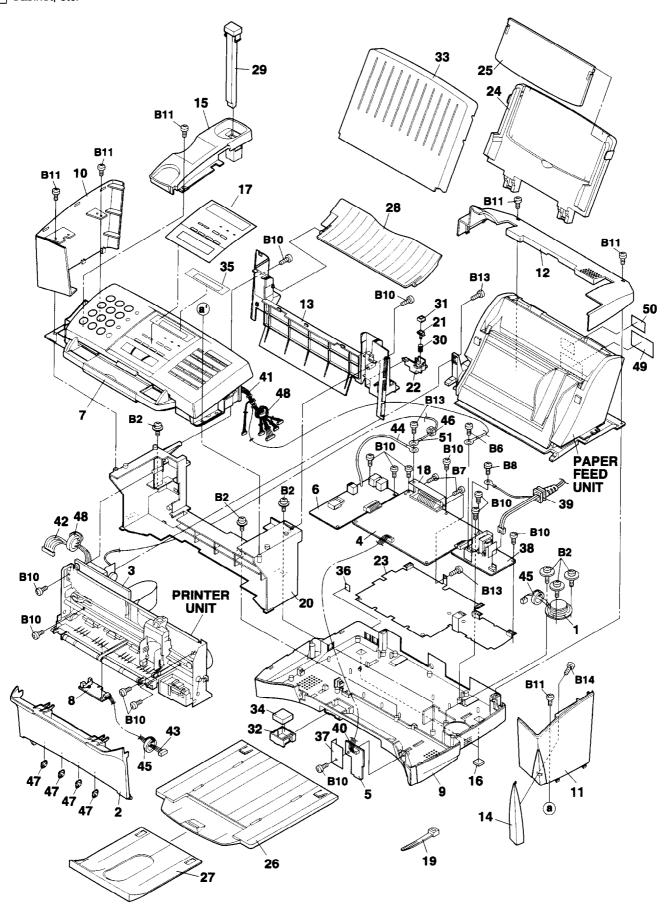
Scaner unit 15 IrDA PWB unit

7 Drive unit 16 Power supply PWB unit

Printer unit 50 Hardware parts

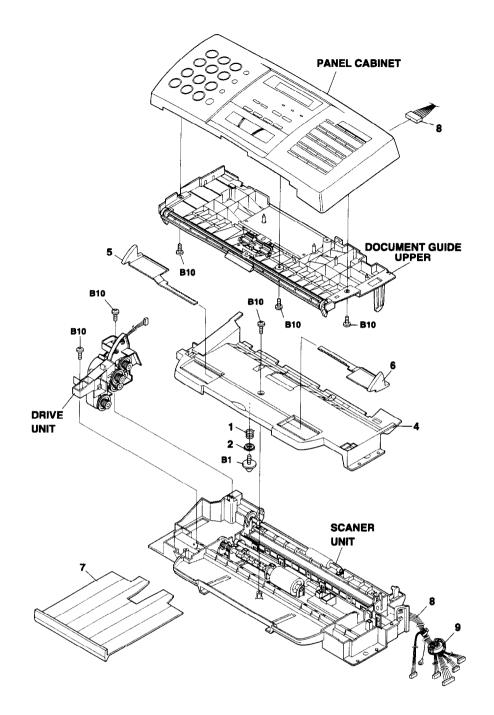
Because parts marked with " Λ " is indispensable for the machine safety maintenance and operation, it must be replaced with the parts specifi to the product specification.

1 Cabinet, etc.

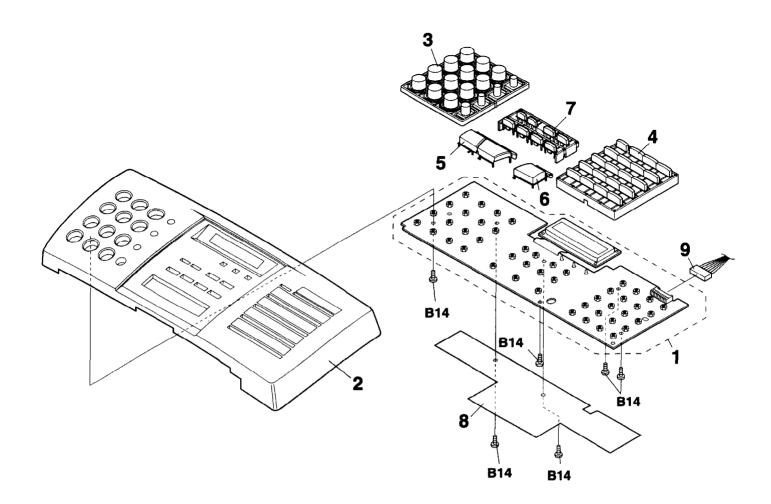


NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION	
I] Cal	binet,etc.					
1	CCNW-4772AX01	AL	N	С	Speaker ass'y	
2	GCOVA2381AXSA	BD	N	D	Front cover	[2200CMU/CM
	GCOVA2381AXSC	BD	N	D	Front cover	[2150CMU/CM
3	DCEKC395BAX01	BV	N_	E	Printer PWB unit	[2200CMU/CM
4	DCEKC781JAXZZ	CM	N	E	Control PWB unit Control PWB unit	[2200CMU/CM
	DCEKC887JAXZZ	CM BB	N N	E	IrDA PWB unit	[21300107014
5 6	DCEKI394BAX01 DCEKL391BAX01	BE	N	Ē	TEL/Liu PWB unit	
7	DCEKP390BAX01	BP	N	E	Operation panel unit	[2200CMU/CM
' -	DCEKP390BAX02	BP	N	E	Operation panel unit	[2150CMU/CM
8	DCEKS396BAX01	AZ	N	Е	Ink sensor PWB	
9	GCABC2301AXSA	AX	N	D	Bottom cabinet	[2200CMU/CM
ľ	GCABC2301AXSC	AZ	N	D	Bottom cabinet	[2150CMU/CM
10	GCABD2302AXSA	AM	Ň	D	Left cabinet	[2200CMU/CM
	GCABD2302AXSC	AM	N	D	Left cabinet	[2150CMU/CM
11	GCABE2303AXSA	AL	N	D	Right cabinet	[2200CMU/CM
	GCABE2303AXSC	AL	N	D	Right cabinet	[2150CMU/CM [2200CMU/CM
12	GCABF2304AXSA	AP	N	D	Rear cabinet	[2200CMU/CM
	GCABF2304AXSC	AP	N	D	Rear cabinet	[2150CMU/CM
13	GCABG2305AXSA	AS	N	D	Printer back cabinet Printer back cabinet	[2150CMU/CM
4.4	GCABG2305AXSC GCOVA2382AXSA	AR	2 2	D	IRDA cover	(2 1300NIO/ON
14	GDAI-2079AXSA	AH	N	C	Handset holder	[2200CMU/CM
15	GDAI-2079AXSA GDAI-2079AXSC	AL	N	C	Handset holder	[2150CMU/CN
16	GLEGG2063AXZZ	AC	IN	č	Rubber leg	[2:300:10/014
17	HPNLH2385AXSA	AU	N	D	Decoration panel	
18	LANGF2812AXZZ	AG	N	C	232C Bracket	
19	LBNDJ2008SCZZ	AA	14	C	Band(GT-100M)	
20	LFRM-2190AXZZ	AX	N	Č	Frame	
21	LHLDZ2166AXZZ	AD	N	С	Cap holder	
22	LHLDZ2171AXSA	AE	N	С	Back cabinet piece	[2200CMU/CM
-	LHLDZ2171AXSC	AE	N	С	Back cabinet piece	[2150CMU/CM
23	LPLTM2923AXZA		N	С	Shild plate	
24	LPLTP2889AXSD	AN	N	C	Paper tray A	[2200CMÜ/CM
	LPLTP2889AXSC	AK	N	C	Paper tray A	[2150CMU/CM
25	LPLTP2890AXSD	AG	N	C	Paper tray B	[2200CMU/CM
	LPLTP2890AXSC	AZ	N	C	Paper tray B	[2150CMU/CM
26	LPLTP2925AXSA	AQ	N	С	Paper out tray	[2200CMU/CM
[LPLTP2925AXSC	AQ	N	C	Paper out tray	[2150CMU/CM
27	LPLTP2926AXSA	AM	N	C	Extension paper out tray	[2200CMU/CM
	LPLTP2926AXSC	AM	N	С	Extension paperout tray	[2150CMU/CM
28	LPLTP2932AXSA	AK	N	С	Document tray	
29	MLEVP2278AXSA	AF	N	C	Hook switch lever	
30	MSPRC2973AXZZ	AC	N	C	Cap spring	
31	PCAPH2021AXZZ	AD AE	N	C	Cap gum OOI-Case	[2200CMU/CM
32	PCASZ2034AXSA PCASZ2034AXSC	AE	N N	č	OOI-case	[2150CMU/CM
33	PCOVA2115AXSA	AL	N	č	Paper cover	[2100011107011
	PFLT-2015AXZZ	AG	N	C	Felt	
	PSHEZ3345AXSA	AG	N	c	LCD sheet	
36	PSHEZ3356AXZZ	AC	N	č	Jack sheet	
37	PSHEZ3368AXZZ	AD	N	C	IrDA sheet	
38	RDENT2122AXZZ	BN	N	E	Power supply PWB unit	
39	QACCZ2012XHZZ	AT	N	В	AC cord ass'y	
40	QCNW-4773AXZZ	AG	N	D	IRDA cable	
41	QCNW-4777AXZZ	AU	N	С	Panel cable	
42	QCNW-4778AXZZ	AZ	N	С	Printer cable	
43	QCNW-4775AXZZ	AH	N	С	Ink out cable	
44	QCNW-4806AXZZ	AD	N	С	ARG cable	
45	RCORF2063XHZZ	AF		В	Core	
46	RCORF2096FFZZ	AD	N	В	Core	
47	NROLM2389AXZZ	AD	N	С	Star roller	
48	RCORF2064XHZZ	AF		В	Core	
49	TLABG4602AXZZ	AB	N	D	Noise label	[2200CMC/2150CN
50	TLABS4534SCZZ	AB	N	D	IC label	[2200CMC/2150CN
51	QCNW4807AXZZ	AE	N	С	Ground cable	
- 1					and the second s	
	# 1 T				CONTRACTOR OF THE PROPERTY OF	

2 Upper cabinet

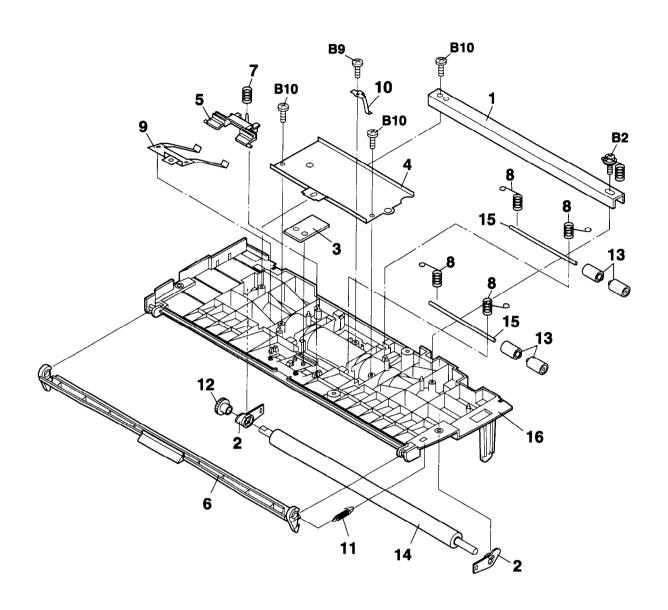


NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION	
[2] Up	per cabinet					
1	MSPRC2832AXZZ	AC	N	С	Hopper spring	
2	NGERP2318XHZZ	AD		С	Pinion gear	
4	PGIDM2509AXSA	AR	N	C	Lower document guide	[2200CMU/CMC]
i	PGIDM2509AXSC	AR	N	C	Lower document guide	[2150CMU/CMC
5	PGIDM2510AXSA	AE	N	C	Hopper guide,left	[2200CMU/CMC
	PGIDM2510AXSC	AE	N	С	Hopper guide,left	[2150CMU/CMC]
6	PGIDM2511AXSA	AE	N	С	Hopper guide,right	[2200CMU/CMC]
	PGIDM2511AXSC	AE	N	С	Hopper guide, right	[2150CMU/CMC]
7	PHOP-2097AXSA	AK	N	С	Extension hopper	[2200CMU/CMC
	PHOP-2097AXSC	AK	N	С	Extension hopper	[2150CMU/CMC]
8	QCNW-4777AXZZ	AU	N	С	Panel cable	
9	RCORF2064XHZZ	AF		В	Core	
						,



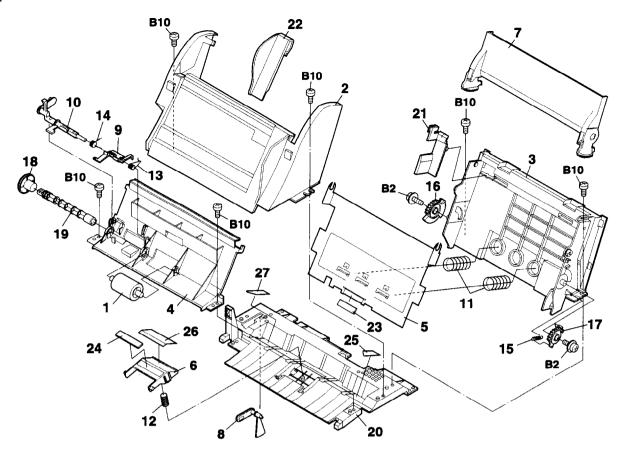
NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION	
[3] Pa	nel cabinet					
1	DCEKP392BAX01	BL	N	E	Panel PWB unit	
2	GCABA2299AXSA	AS	N	D	Upper cabinet	[2200CMU/CMC]
	GCABA2299AXSC	AS	N	D	Upper cabinet	[2150CMU/CMC]
3	JBTN-2202AXSA	AG		С	12 key	[2200CMU/CMC]
	JBTN-2202AXSC	AG		С	12 key	[2150CMU/CMC]
4	JBTN-2203AXSA	AF		C	Direct key	[2200CMU/CMC]
	JBTN-2203AXSC	AF		C	Direct key	[2150CMU/CMC]
5	JBTN-2204AXSA	AD		C	Start key	[2200CMU/CMC]
	JBTN-2204AXSB	AD		С	Start key	[2150CMU/CMC]
6	JBTN-2205AXSA	AD		ပ	Stop key	[2200CMU/CMC]
	JBTN-2205AXSB	AD		ပ	Stop key	[2150CMU/CMC]
7	JBTN-2222AXSA	AE	N	C	Mode key	
8	PSHEZ3367AXZZ	AE	N	C	Insulation sheet	
9	QCNW-4777AXZZ	AU	N	C	Panel cable	
	(Unit)					
901	DCEKP390BAX01	BP	N	E	Operation panel unit	
		_				
-						
-						
		_				
		_				
		_				
		-+				
					<u> </u>	

4 Document guide upper



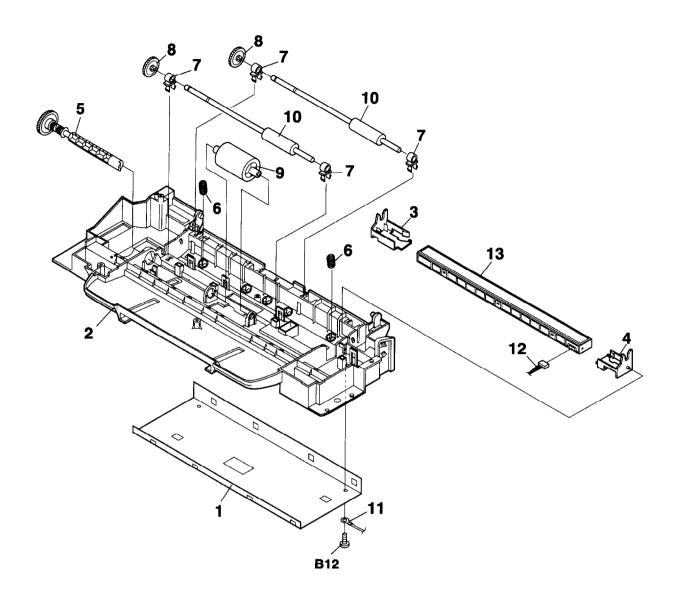
NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION	
[4] Do	cument guide upper					
1	LANGF2815AXZZ	AE	N	С	Strength angle	
2	LBSHP2096AXZZ	AK	N	С	BR bearing	
3	LPLTG2707XHZZ	AE		С	Separation rubber	
4	LPLTM2917AXZZ	AH	N	С	Streng then plate	
5	LPLTP2916AXZZ	AE	N	С	Separate plate	
6	MLEVP2271AXSA	AH	N	С	Panel lock lever	[2200CMU/CMC]
	MLEVP2271AXSC	AH	N	С	Panel lock lever	[2150CMU/CMC]
7	MSPRC3010AXZZ	AE	N	С	Separate spring	
8	MSPRC3009AXZZ	AB	N	С	Pinch p spring	
9	MSPRP2812SCZZ	AE		С	Paper feed spring	
10	MSPRP3003AXZZ	AB	N	C	Document out spring	
11	MSPRT2923AXFJ	AC		С	Panel lock lever spring	
12	NGERH2403AXZZ	AD	N	C	Back roller gear	
13	NROLP2334AXZZ	AE		С	Pinch roller	
14	NROLR2379AXZZ	AZ	N	С	Back roller	
15	NSFTZ2257AXZZ	AE		С	Pinch roller shaft	
16	PGIDM2508AXZZ	AU	N	Ç	Upper document guide	

5 Paper feed unit

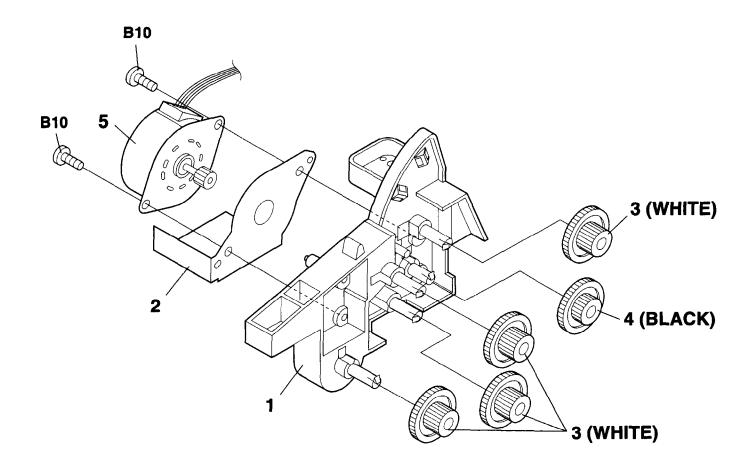


NO.	PARTS CODE	PRICE	NEW MARK	PART	DESCRIPTION	
[5] Pa	per feed unit	[DANK]	MINITE	DOM		
1	CROLR2362AX01	AN		С	PU roller ass'y	
2	GCABB2300AXSA	AQ	N	D	Paper feed cabinet	[2200CMU/CMC]
-	GCABB2300AXSC	AQ	N	D	Paper feed cabinet	[2150CMU/CMC]
3	LFRM-2189AXSA	AR	N	С	Paper feed frame	[2200CMU/CMC]
- 1	LFRM-2189AXSC	AR	N	С	Paper feed frame	[2150CMU/CMC]
4	LHLDZ2165AXZZ	AN	N	С	Paper feed roller holder	
5	LPLTM2924AXZZ	AQ	N	С	Paper up plate	
6	LPLTP2884AXZZ	AP		С	Separate plate	
7	LPLTP2888AXSG	AL	N	С	RP release plate	[2200CMU/CMC]
Ì	LPLTP2888AXSC	AP		С	RP release plate	[2150CMU/CMC]
8	MLEVP2275AXZZ	AE	N	С	PE sensor lever 3	
9	MLEVP2276AXZZ	AE	N	Ç	PE sensor lever 1	
10	MLEVP2277AXZZ	AE	N	С	PE sensor lever 2	
11	MSPRC3007AXZZ	AC	N	С	Cassette spring	
12	MSPRC2995AXFJ	AC		С	Separate plate spring	
13	MSPRD2998AXZZ	AC	N	С	Pe sensor lever spring 1	
14	MSPRD3004AXZZ	AB	N	С	Pe sensor lever spring 2	
15	MSPRT2932AXFJ	AC		С	RP release spring	
16	NGERH2365AXZZ	AD		С	RP release gear, left	
17	NGERH2366AXZZ	AD		С	RP release gear,right	
18	NGERH2401AXZZ	AF	N	С	Paper feed gear	
19	NSFTM2268AXZZ	AE		C	Paper up roller shaft	
20	PGIDM2512AXZZ	AS	N	С	Paper feed lower guide	
21	PHOP-2098AXSA	AG	N	С	Paper guide hopper	[2200CMU/CMC]
ľ	PHOP-2098AXSC	AG	N	С	Paper guide hopper	[2150CMU/CMC]
22	PHOP-2099AXSA	AG	N	С	Bypath paper guide	[2200CMU/CMC]
1	PHOP-2099AXSC	AG	N	C	Bypath paper guide	[2150CMU/CMC]
23	PSEL-2015SCZZ	AB		С	RP pad	
24	PSHEZ3293AXZZ	AH		С	Separate plate sheet	
25	PSHEZ3342AXZZ	AC		O	Guide sheet,right	
26	PSHEZ3344AXZZ	AD		С	Separate sheet	
27	PSHEZ3357AXZZ	AC	N	С	Guide sheet,Left	

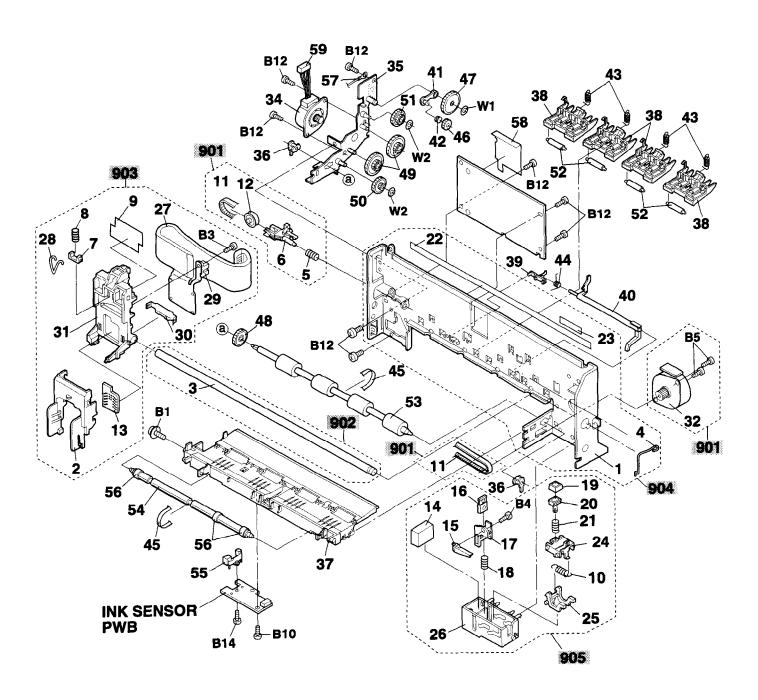
6 Scaner unit



NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[6] Sc	aner unit				
1	LPLTM2919AXZZ	AN	N	C	Sub base plate
2	LPLTP2918AXZZ	AW	N	С	Scaner base
3	LPLTP2920AXZZ	AE	N	С	CIS holder Left
4	LPLTP2921AXZZ	AE	N	С	CIS holder Right
5	CGERH2363AX01	AK		В	Feed gear ass'y
6	MSPRC2969AXZZ	AD	2	C	CIS spring
7	NBRGP2141AXZZ	AC		С	Transfer bearing
8	NGERH2275XHZZ	AC		C	Transfer gear 2
9	NROLR2333XHZZ	AP		С	Feed roller
10	NROLR2365AXZZ	AV		С	Transfer roller
11	QCNW-4855AXZZ	AD	N	C	Ground cable 2
12	QCNW-4776AXZZ	AR	N	С	CIS cable
13	RUNTZ2021SCZZ	BF		В	CIS unit ass'y

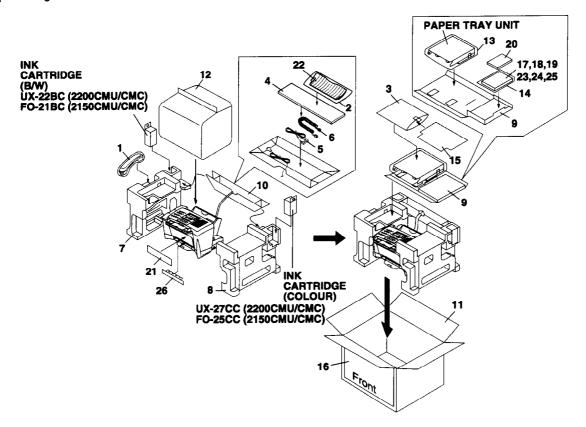


NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[7] Dri	ve unit				
1	LFRM-2188AXZZ	AP	N	C	Drive frame
2	LPLTM2922AXZZ	AF	N	ပ	Radiation plate
3	NGERH2393AXZZ	AD	N	С	Gear,White(18/36Z)
4	NGERH2394AXZZ	AD	N	С	Gear,Black(18/35Z)
5	RMOTZ2135AXZZ	AZ	N	В	Motor ass'y



NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[8] Pri	nter unit				
1		T	N	С	Frame chassis
2			N	С	Carrier cover(K)
3			N	С	Main shaft
4		ļ	N	C	Main shaft holder
5		-	N	C	Belt tension spring Idler pulley holder
6		-	N N	C	Carrier latch
7			N N	- 6	Carrier latch SP
9		+	- N	č	FFC plate
10			N	Ċ	Main spring B
11			N	С	Timing belt
12			N	С	idler pulley
13			N	C	Contct pad
14			N	С	Ink felt
15			N_	С	Wiper lever
16		1	N	C	Wiper Wiper holder
17			N	C	Main spring A
18 19		+	N	č	Cap
20		+	N	c	Cap holder
21		+	N	C	Casp spring
22			N	ā	Guide seal
23		+	N	D	Barcode label
24			N	С	Capslider
25			N	С	Maintenance lever
26			N	С	Maintenance base
27		↓]	N	C	Printer head cable
28		_	N N	В	Main shaft stoper Photo interrupter
29		ļ	N N	C	Deflector A
30			N	č	ink carrier
31 32		+	N	В	Steping CR motor
34	RMOTZ2137AXZZ	AZ	N	В	Paper feed motor
35	LBRC-2006AXZZ	AK	N	С	Motor braket
36	LBSHP2095AXZZ	AD	N	C	Bearing
37	LFRM-2192AXZZ	AL	N	С	Base frame
38	LHLDZ2168AXZZ	AS	N	С	Pinch roller holder
39	LHLDZ2169AXZZ	AD	N	С	Sensor lever holder
40	MLEVP2273AXZZ	AH	N	O	P-in sensor lever
41	MLEVP2274AXZZ	AD	N	O C	Planet lever
42	MSPRC2735XHZZ MSPRC3008AXZZ	AC	Ñ	ပပ	Planet gear spring Feed spring
43 44	MSPRD2975AXZZ	AC	N	č	Lever spring
45	NBLTK2056AXZZ	ĀF	-N	č	Feed belt
46	NGERH2278XHZZ	AC		Č	Planet gear
47	NGERH2279XHZZ	AC		С	Idler gear A
48	NGERH2396AXZZ	AD	N	С	PRT feed gear
49	NGERH2398AXZZ	AD	N	С	Secondry gear A
50	NGERH2399AXZZ	AD	N	O	Secondry gear B
51		AD	N	ြ	Secondry gear C
52	NROLP2382AXZZ	AC	N	ပ	Pinch roller PRT feed roller
53		AX AH	N	C	Exit roller
54 55	NROLR2381AXZZ PCOVP2118AXZZ	AE	N N	c	Sensor cover
56	PGUMM2152AXZZ	AD	N	č	Exit rubber
57	QCNW-4807AXZZ	AE	N	Č	Ground cable
58	PSLDM2045AXZZ	AF		С	Print shield plate
59	QCNW-4778AXZZ	AZ	N	С	Printer cable
901	OMIMMM7E24MM0	BK	N	E	Carrier stepping motor with pulley ass'y
902	OMIOPM300356/	АУ	N	ပ	Carrier shaft
903	OMIOPSA00195/	BS	N	E	Carrier asm, key "K" ass'y
904	OMIOPM100090/	AY	N	E	Frame chasis ass'y Maintenance group ass'y
905	OMIOPSA00100/	VA	N	E	Maintenance Anoch ass)
		+		<u> </u>	
		+			
		+		 	
		+			
		 		<u> </u>	
		†			
-					
				<u> </u>	
	100	+			
		-			
		+	 -	 	

9 Packing material & Accessories



NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION	
9] Pa	cking material & Accessori	es				
1	DUNTK307BAXOW	AZ		E	Handset unit	[2200CMU/CMC]
٠,	DUNTK307BAXOG	AZ		Ē	Handset unit	[2150CMU/CMC]
2	SSAKA3001CCZZ	AA		D	Polyethylene bag, Document tray	
3	SSAKA3340QCZZ	AB		D	Polyethylene bag,Pop card	
4	SPAKA393AAXZZ	AC	N	С	Spacer	
5	QCNW-3975AXGY	AH		С	Telephone line cord	[2200CMU/2150CMU
	QCNW-3247SCZZ	AH		С	Telephone line cord	[2200CMC/2150CMC
6	QCNW-3976XHOW	AK		С	Handset cord	[2200CMU/CMC
	QCNW-3976XHQG	AT		С	Handset cord	[2150CMU/CMC
7	SPAKA220AAXZZ	AF	N	D	Add.,Left	
8	SPAKA221AAXZZ	AF	N	D	Add.,Right	-
9	SPAKA222AAXZZ	AG	N	D	PLT-AD1	
10	SPAKA223AAXZZ	AF	N	D	PLT-AD2	
11	SPAKC225AAXZZ	AV	N	D	Packing case	[2200CMU
	SPAKC249AAXZZ	AL	N	D	Packing case	[2150CMU
	SPAKC324AAXZZ	AL	N	D	Packing case	[2200CMC
	SPAKC367AAXZZ	AL	N	D	Packing case	[2150CMC
12	SPAKP4381AXZZ	AG		D	Vinyl cover	
13	SSAKA2008AXZZ	AA	N	D	Vinyl bag	
14	SSAKA2344QCZZ	AB		D	Operation manual vinyl bag	
15	TCADZ2550AXZZ	AK	N	D	Pop card	[2200CMU
	TCADZ2606AXZZ	AK	N	D	Pop card	[2200CMC
16	TLABM4316AXZZ	AG	N	D	Box label	[2200CMU
	TLABM4537AXZZ	AG	N	D	Box label	[2200CMC
17	TCADZ2588AXZZ	AB	N	D	Quick reference guide	[2200CMU/2150CMU
	TCADZ2603AXZZ	AC	N	D	Quick reference guide	[2200CMC/2150CMC
18	TINSE3773AXZZ	AF	N	D	Operation manual	[2200CMU
	TINSE3796AXZZ	AF	N	D	Operation manual	[2150CMU
	TINSK3853AXZZ	AF	N	D	Operation manual	[2200CMC
	TINSK3865AXZZ	AE	N	D	Operation manual	[2150CMC
19	TLABH4496AXSA	AC	N	D	Rapid key label	[2200CMU/CMC
	TLABH4496AXSC	AC	N	D	Rapid key label	[2150CMU/CMC
20	UDSKA2003SCZZ	AP	N	E	CD-ROM	[2200CMU/2150CMU
	UDSKA2008SCZZ	AQ	N	E	CD-ROM	[2200CMC/2150CMC
21	TLABM4604AXZZ	AE	N	D	Pop label	[2200CMC
22	LPLTP2932AXSA	AK	N	С	Document tray	
23	TCADZ2631AXZZ	AC	N	D	Up grade coupon	100000140
24	TLABH4238AXZG	AC	N	D	Document set label	[2200CMC
	TLABH4496AXSC	AC		D	Document set label	[2150CMC
25	TCADZ2561AXZZ	AF	N	D	Registration card	[2200CMU]
26	SPAKA417AAXZZ		N	D	Roller protector	

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION	
[10] C	Control PWB unit					
1		AM		В	Lithium battery	[BĀ
2		AB		C	Capacitor(16WV 47µF)	[C4
3	VCEAGA1CW476M VCEAGA1HW107M	AB		C	Capacitor(16WV 47μF) Capacitor(50WV 100μF)	[C4
5	VCEAGA1HW107M	AA AA		č	Capacitor(50WV 100µF)	[C4
6	VCEAGA1EW226M	AB		Ċ	Capacitor(25WV 22µF)	[C5
7	VCEAGA1HW105M	AB		O	Capacitor(50WV 1µF)	[C5:
8	VCEAGA1HW475M	AA		C	Capacitor(50WV 4.7µF)	[C5:
9	VCEAGA1CW336M VCEAGA1HW476M	AA AS		C	Capacitor(16WV 33µF)	[C5-
11	VCEAGA1HW336M	AB AB		ပပ	Capacitor(50WV 47µF) Capacitor(50WV 33µF)	[C5:
12	VCEAGA1HW107M	AA		C	Capacitor(50WV 100µF)	
13	VCKYTV1CF105Z	AB		č	Capacitor(16WV 1µF)	[C102
14	VCKYTQ1HF104Z	AA		С	Capacitor(50WV 0.1µF)	[C100
15	VCKYTV1EF104Z	AA		c	Capacitor(25WV 0.1µF)	[C104
16 17	VCKYTV1EF104Z VCKYTV1CF105Z	AA		- C	Capacitor(25WV 0.1µF)	[C105
18	VCKYTV1EF104Z	AB		C	Capacitor(16WV 1μF) Capacitor(25WV 0.1μF)	[C107
19	VCCTV1HH330J	AA I		- č -	Capacitor(50WV 33PF)	[C109
20	VCKYTV1HB103K	AB		č	Capacitor(50WV 0.01µF)	[C110
21	VCKYTV1HB103K	AB		č	Capacitor(50WV 0.01µF)	C111
22	VCKYTV1EF104Z	AA		C	Capacitor(25WV 0.1µF)	[C112
23	VCKYTV1HB472K	AA		С	Capacitor(50WV 4700PF)	[C114
24	VCKYTV1HB103K	AB		<u>c</u>	Capacitor(50WV 0.01µF)	[C11:
25 26	VCKYTV1HB102K VCKYTV1HB102K	AA AA		C	Capacitor(50WV 0.001µF) Capacitor(50WV 0.001µF)	[C11
27	VCKYTV1HB102K	AA AA		- 2 -	Capacitor(50WV 0.001µF)	[C11]
28	VCKYTV1HB102K	TÃÃ		Č	Capacitor(50WV 0.001µF)	C119
29	VCKYTV1HB102K	AA		Č	Capacitor(50WV 0.001µF)	C120
30	VCKYTV1HB222K	AA		С	Capacitor(50WV 2200PF)	[C122
31	VCKYTV1HB222K	AA		С	Capacitor(50WV 2200PF)	[C120
32	VCKYTV1EF104Z	AA		C	Capacitor(25WV 0.1µF)	[C12!
33	VCKYTV1EF104Z VCCCTV1HH150J	AA		- c	Capacitor(25WV 0.1µF)	[C130
35	VCCCTV1HH150J	AA AA		C	Capacitor(50WV 15PF) Capacitor(50WV 15PF)	[C13 ⁻
36	VCKYTV1EF104Z	T AA		č	Capacitor(35WV 13FF)	[C13:
37	VCKYTV1EF104Z	AA		č	Capacitor(25WV 0.1µF)	[C136
38	VCKYTV1EF104Z	AA		С	Capacitor(25WV 0.1µF)	C137
39	VCKYTV1CF105Z	AB		С	Capacitor(16WV 1µF)	[C138
40	VCKYTV1CF105Z	AB		С	Capacitor(16WV 1µF)	[C139
41	VCKYTV1EF104Z	AA		C	Capacitor(25WV 0.1µF)	[C140
42	VCKYTV1HB222K VCKYTV1EF104Z	AA AA		C	Capacitor(50WV 2200PF) Capacitor(25WV 0.1µF)	[C141 [C142
44	VCKYTV1HB222K	AA	-	č +	Capacitor(50WV 2200PF)	[C143
45	VCCCTV1HH180J	ĀĀ	+	C	Capacitor(50WV 18PF)	[C144
46	VCCCTV1HH180J	AA		C	Capacitor(50WV 18PF)	[C145
47	VCKYTV1HB222K	AA		С	Capacitor(50WV 2200PF)	C146
48	VCKYTV1EF104Z	AA		С	Capacitor(25WV 0.1µF)	[C147
49 50	VCKYTV1EF104Z	AA		C	Capacitor(25WV 0.1µF)	[C148
51	VCKYTV1EF104Z VCKYTV1EF104Z	AA	+	C	Capacitor(25WV 0.1µF) Capacitor(25WV 0.1µF)	[C149
52	VCKYTV1EF104Z	AA H	+	- 5 +	Capacitor(25WV 0.1µF)	[C150 [C151
53	VCKYTV1EF104Z	AA	-+	č	Capacitor(25WV 0.1µF)	[C152
54	VCKYTV1EF104Z	AA		C	Capacitor(25WV 0.1µF)	C153
55	VCKYTV1EF104Z	AA		С	Capacitor(25WV 0.1µF)	[C154
56	VCCCTV1HH100D	AA		C	Capacitor(50WV 10PF)	[C158
57 58	VCCCTV1HH100D	AA AA		C	Capacitor(50WV 10PF)	[C156
59	VCKYTV1EF104Z VCKYTV1HB222K	AA AA		$\frac{c}{c}$	Capacitor(25WV 0.1µF) Capacitor(50WV 2200PF)	[C157
60	VCKYTV1HB22ZK VCKYTV1EF104Z	AA	+	- 2 +	Capacitor(30WV 2200PF)	[C158
61	VCKYTV1HB222K	AA	+	c +	Capacitor(50WV 2200PF)	[C160
62	VCKYTV1HB103K	AB		C	Capacitor(25WV 0.01µF)	[C163
63	VCKYTV1HB103K	AB		С	Capacitor(25WV 0.01µF)	[C164
64	VCCCTV1HH330J	AA		C	Capacitor(50WV 330F)	[C165
65	VCCSTV1HL471J	AC		C	Capacitor(50WV 470PF)	[C166
66	VCKYTV1CF105Z VCKYTV1CF105Z	AB	-+		Capacitor(16WV 1µF) Capacitor(16WV 1µF)	[C167
68	VCCSTV1HL102J	AA H		č	Capacitor(50WV 1000PF)	[C169
69	VCCCTV1HH150J	AA	+	$\frac{\sigma}{c}$	Capacitor(50WV 15PF)	[C170
70	VCCCTV1HH150J	AA		č	Capacitor(50WV 15PF)	[C171
71	VCKYTV1EF104Z	AA		С	Capacitor(25WV 0.1µF)	[C172
72	VCKYTV1HB103K	AB			Capacitor(25WV 0.01μF)	C173
73	VCKYTV1HB103K	AB			Capacitor(25WV 0.01µF)	[C174
74	VCKYTV1HB102K	AA			Capacitor(50WV 1000PF)	[C175
75 76	VCKYTV1EF104Z VCKYTV1EF104Z	AA AA			Capacitor(25WV 0.1µF) Capacitor(25WV 0.1µF)	[C176
77	VCKYTV1EF104Z VCKYTV1HB222K	AA		1	Capacitor(25WV 0.1µF) Capacitor(50WV 2200PF)	[C177 [C180
78	VCKYTV1EF104Z	+ AA			Capacitor(30WV 2200FF)	[C181]
79	VCCSTV1HL102J	T AA			Capacitor(50WV 1000PF)	[C182
	VCKYTQ1HF104Z	AA			Capacitor(50WV 0.1µF)	[C183

NO.	PARTS CODE	PRICE RANK		PART RANK	DESCRIPTION	
[10] C	ontrol PWB unit					
81	VCCSTV1HL681J	AB		С	Capacitor(50WV 680PF)	[C184]
82	VCKYTV1CF225Z	AD_		C	Capacitor(16WV 2.2µF)	[C185]
83 84	VCKYTV1CF105Z VCKYTV1EF104Z	AB		C	Capacitor(16WV 1µF) Capacitor(25WV 0.1µF)	[C186] [C187]
85	VCCSTV1HL391J	- AA		- č -	Capacitor(50WV 390PF)	C188
86	VCKYTV1CF225Z	AD		Č	Capacitor(16WV 2.2µF)	[C189]
87	VCKYTV1EF104Z	AA		C	Capacitor(25WV 0.1µF)	[C190]
88	VCKYTV1EF104Z	AA		С	Capacitor(25WV 0.1µF)	[C191]
89	VCKYTV1HB222K	AA		<u> </u>	Capacitor(50WV 2200PF)	[C192] [C193]
90 91	VCKYTV1HB222K VCKYTV1HB222K	AA		C	Capacitor(50WV 2200PF) Capacitor(50WV 2200PF)	[C193] [C194]
92	VCKYTV1HB103K	AB		Č	Capacitor(36WV 220011)	[C195]
93	VCKYTV1EF104Z	AA		С	Capacitor(25WV 0.1µF)	[C197]
94	VCKYTV1EF104Z	AA		С	Capacitor(25WV 0.1μF)	[C198]
95	VCKYTV1CF105Z	AB		C	Capacitor(16WV 1µF)	[C199] [C200]
96 97	VCKYTV1CF105Z VCCSTV1HL331J	AB AA		0	Capacitor(16WV 1μF) Capacitor(50WV 330PF)	[C200]
98	VCKYTV1EF104Z	AA A	+	Č	Capacitor(25WV 0.1µF)	[C202]
99	VCCCTV1HH100D	ĀĀ		č	Capacitor(50WV 10PF)	[C203]
100	VCCCTV1HH100D	AA		С	Capacitor(50WV 10PF)	[C204]
101	VCKYTV1HB222K	AA		C	Capacitor(50WV 2200PF)	[C205]
102	VCKYTV1EF104Z VCKYTV1CF105Z	AA AB		ပပ	Capacitor(25WV 0.1μF) Capacitor(16WV 1μF)	[C206] [C207]
103	VCKYTV1CF106Z VCKYTV1EF104Z	AB AA		C	Capacitor(16WV 1µF)	[C208]
105	VCKYTV1EF104Z	ÃÃ		č	Capacitor(25WV 0.1µF)	[C209]
106	VCKYTV1EF104Z	AA		С	Capacitor(25WV 0.1µF)	[C210]
107	VCKYTV1EF104Z	AA		C	Capacitor(25WV 0.1µF)	[C211]
108	VCKYTV1HB102K	AA		C	Capacitor(50WV 1000PF)	[C212] [C213]
109	VCKYTV1CF105Z VCKYTV1EF104Z	AB AA		C	Capacitor(16WV 1μF) Capacitor(25WV 0.1μF)	[C214]
111	VCKYTV1EF104Z	- AA		č	Capacitor(25WV 0.1µF)	[C215]
112	VCKYTV1CF105Z	AB		č	Capacitor(25WV 1µF)	[C216]
113	VCKYTV1EF104Z	AA		С	Capacitor(25WV 0.1µF)	[C217]
114	VCKYTV1EF104Z	AA		c	Capacitor(25WV 0.1µF)	[C218] [C219]
115	VCKYTV1CF105Z VCKYTV1EF104Z	AB AA		C	Capacitor(25WV 1μF) Capacitor(25WV 0.1μF)	[C220]
116	VCKYTV1EF104Z	- AA	+	č	Capacitor(25WV 0.1µF)	[C221]
118	VCKYTV1CF105Z	AB		č	Capacitor(25WV 1µF)	[C222]
119	VCCSTV1HL331J	AA		c	Capacitor(50WV 330PF)	[C226]
120	VCKYTV1HB102K	AA		С	Capacitor(50WV 1000PF)	[C228]
121	VCKYTV1HB102K	AA_		Č	Capacitor(50WV 1000PF)	[C229] [C230]
122	VCKYTV1HB102K VCKYTV1HB102K	AA AA		C	Capacitor(50WV 1000PF) Capacitor(50WV 1000PF)	[C231]
124	VCKYTV1HB102K	AA		č	Capacitor(50WV 1000PF)	[C232]
125	VCKYTV1HB102K	AA	1	C	Capacitor(50WV 1000PF)	[C233]
126	VCKYTV1HB102K	AA		С	Capacitor(50WV 1000PF)	[C234]
127	VCKYTV1HB102K	AA		C	Capacitor(50WV 1000PF)	[C235] [C236]
128 129	VCKYTV1HB102K VCKYTV1HB102K	AA AA		C	Capacitor(50WV 1000PF) Capacitor(50WV 1000PF)	[C237]
130	VCKYTV1HB102K	AA		č	Capacitor(50WV 1000PF)	[C238]
131	VCKYTV1HB102K	ĀĀ	<u> </u>	č	Capacitor(50WV 1000PF)	[C239]
132	VCKYTV1HB102K	AA		С	Capacitor(50WV 1000PF)	[C240]
133	QCNCM7014SC0G	AB		С	Connector(7pin)	[CNCIS]
134	QCNCM7014SC0E	AB AG		C	Connector(5pin) Connector(14pin)	[CNIR]
135	QCNCM2499SC1D QCNCM7014SC0F	AG		C	Connector(14pin)	[CNMM]
137	QCNCW0946FCZZ	AH		č	Connector(36pin)	[CNPC]
138	QCNCM2401SC0F	AB		č	Connector(6pin)	[CNPHOT]
139	QCNCM2482SC2J	AE		С	Connector(20pin)	[CNPN]
140	QCNCM2482SC2H	AG	N	C	Connector(28pin)	[CNPRT]
141	QCNCM2499SC0H	AE AD		C	Connector(8pin) Connector(2pin)	[CNSP]
142	QCNCM7014SC0B VHDDA204K//-1	AC		В	Diode(DA204K)	[D101]
144	VHDDA204K//-1	AC		В	Diode(DA204K)	[D102]
145	VHD1SS355//-1	AB		В	Diode(1SS355)	[D103]
146	VHDRB411D//-1	AD		В	Diode(RB411D)	[D104]
147	VHDRB411D//-1	AD		В	Diode(RB411D)	[D105] [D110]
148	VHDRB411D//-1	AD AD		В	Diode(RB411D) Diode(RB411D)	[D111]
149	VHDRB411D//-1 VHDRB411D//-1	AD		B	Diode(RB411D)	[D116]
151	VHDRB411D//-1	AD	+	B	Diode(RB411D)	[D117]
152	VHDRB411D//-1	AD		В	Diode(RB411D)	[D118]
153	VHDRB411D//-1	AD		В	Diode(RB411D)	[D119]
154	VHDRB411D//-1	AD		В	Diode(RB411D)	[D121]
155	VHDRB411D//-1	AD		В	Diode(RB411D)	[D122] [D123]
156	VHDRB411D//-1 VHDRB411D//-1	AD AD		ВВ	Diode(RB411D) Diode(RB411D)	[D123] [D124]
45-91			1			[
157 158						[D125]
157 158 159	VHDRB411D//-1 VHD1SS355//-1	AD AB		ВВ	Diode(RB411D) Diode(1SS355)	[D125] [D126]

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION	
[10] C	ontrol PWB unit					
161	VHDRB411D//-1	AD		В	Diode(RB411D)	[D1
162 163	VHDRB411D//-1 VHDRB411D//-1	AD AD		В	Diode(RB411D) Diode(RB411D)	[D1
164	VHDRB411D//-1	AD		В	Diode(RB411D)	[D1
165	VHDRB411D//-1	AD		В	Diode(RB411D)	[D1
166	VHDRB411D//-1	AD		В	Diode(RB411D)	[D1
167	VHDRB411D//-1	AD		В	Diode(RB411D)	[D1
168	VHDR8411D//-1 VHDDAP202U/-1	AD AB		В	Diode(RB411D) Diode(DAP202U)	[D1:
170	VHDRB411D//-1	AD		В	Diode(RB411D)	[D1:
171	VHDRB411D//-1	AD		В	Diode(RB411D)	(D1
172	VHDRB411D//-1	AD		В	Diode(RB411D)	[D1-
173	VHDRB411D//-1	AD		В	Diode(RB411D)	[D14
174 175	VHVICPS07//-1 VHIAD8051//-1	AA AN	N	B	Varistor(ICP-S07) IC(AD8051)	[I
176	VHIULN2003AN/	AE	iN	В	IC(ULN2003ANS)	[10
177	VHIHECF4066BF	AF		В	IC(HECF4066)	[IC
178	VHIMC14053DR2	AG		В	IC(MC14053DR2)	[IC
179	VHIHD74LS08-1	AD		B	IC(HD74LS08)	[][
180	VHI74HCU04S-1 VHILC82103/-1	AF BA	N	<u>В</u>	IC(T4HCU04) IC(LC82103)	[10
182	VHIHECF4066BF	AF		В	IC(HECF4066)	[10
183	VHILZ9FJ49/-1	AV	N	В	IC(LZ9FJ49)	[IC
184	VHI74HCU04S-1	AF	N	В	IC(74HCU04)	[IC
185	VHISH7040//-1	BD	N	В	IC(SH7040)	[IC:
186	VHISN74HC14NSR	AE	N	В	IC(74HC14) IC(NJM2902M)	[IC
187 188	VHINJM2902M-1 VHIR144AFXL/1	AF BM		B	IC(NJM2902M)	[IC
189	RH-IX2129SCZZ	AY		В	IC(IX2129)	(IC
190	VHIS2B257SL70	AL		В	IC(S2B257SL70)	[iC
191	QSOCZ2051SC32	AC		С	IC socket(32pin)	[IC
192	VHI27040FBS0H	AZ		В	IC,EP ROM(4Mbit)	[IC
193	QSOCZ2051SC32	AC		C	IC socket(32pin)	[IC
194 195	VHI27040FBS1H VHISN74LS245N	AZ		B	IC,EP ROM(4Mbit)	[IC
196	VHISN74LS244NR	AG		В	IC(SN74LS244)	ic
197	VHISN74LS244NR	AG		В	IC(SN74LS244)	[iC:
198	RH-IX2129SCZZ	AY		В	IC(IX2129)	[IC:
199	VHIS2B257SL70	AL		В	IC(S2B257SL70)	[IC:
200 201	VHISN74HC04NSR VHISN74HC164NR	AE AF	N N	В	IC(HC04)	(IC:
202	VHINJU6355E-1	AM		B	TC(NJU6355M)	ic:
203	VHINJM2113M-1	AG			IC(NJM2113M)	[IC:
204	VHIPST596CMT1	AF		В	IC(PST596CNR)	[IC10
205	VRS-TV2AB680J	AA		С	Resistor(1/10W 68 ±5%)	[L10
206	VRS-TV2AB680J	AA		C	Resistor(1/10W 68 ±5%)	[L10
207 208	VRS-TQ2BB000J VRS-TQ2BB000J	AA AA		C	Resistor(1/8W 0 ±5%) Resistor(1/8W 0 ±5%)	[L10
	VRS-TV2AB000J	ĀĀ		- č -	Resistor(1/10W 0 ±5%)	[L10
	VRS-TV2AB000J	AA		č	Resistor(1/10W 0 ±5%)	[L10
211	VRS-TV2AB000J	AA		С	Resistor(1/10W 0 ±5%)	[L10
212	VSDTA114EK/-1	AB		В	Transistor(DTA114EK)	[Q10
	VSDTC114EK/-1	AB		В	Transistor(DTC114EK)	[Q10
214	VSDTC114EK/-1 VSDTC114EK/-1	AB AB		B	Transistor(DTC114EK) Transistor(DTC114EK)	[Q10
216	VS2SA1037KR-1	AB		В	Transistor	[Q10
217	VRD-HT2EY100J	AA		c	Resistor(1/4W 10 ±5%)	ŢF
218	VRS-TV2AB330J	AD		С	Resistor(1/10W 33 ±5%)	(Ric
219	VRS-TV2AB101J	AA		С	Resistor(1/10W 100 ±5%)	[R1
220	VRS-TV2AB101J	AA		C	Resistor(1/10W 100 ±5%)	[R1
221	VRS-TV2AB101J VRS-TV2AB101J	AA AA		C	Resistor(1/10W 100 ±5%) Resistor(1/10W 100 ±5%)	[H1:
223	VRS-TV2AB101J	- AA		- č	Resistor(1/10W 100 ±5%)	[R1
224	VRS-TV2AB101J	AA		C	Resistor(1/10W 100 ±5%)	[R1
225	VRS-TV2AB101J	AA		С	Resistor(1/10W 100 ±5%)	[R1
226	VRS-TV2AB101J	AA		С	Resistor(1/10W 100 ±5%)	[R1
227	VRS-TV2AB101J	AA A		Ç	Resistor(1/10W 100 ±5%)	[R1
228	VRS-TV2AB271J VRS-TV2AB271J	AA AA		C	Resistor(1/10W 270 ±5%) Resistor(1/10W 270 ±5%)	[R1
230	VRS-TV2AB271J	- AA	+	č	Resistor(1/10W 470 ±5%)	[R1
231	VRS-TV2AB471J	AA		č	Resistor(1/10W 470 ±5%)	(A1
232	VRS-TV2AB471J	AA		С	Resistor(1/10W 470 ±5%)	[R1
233	VRS-TV2AB471J	AA		С	Resistor(1/10W 470 ±5%)	[R1
	VRS-TV2AB471J	AA		C	Resistor(1/10W 470 ±5%)	[R1
235 236	VCKYTV1CF105Z VCKYTV1CF105Z	AB AB		C	Capacitor(25WV 1µF) Capacitor(25WV 1µF)	[R1
236	VCKYTV1CF105Z	AB		C	Capacitor(25WV 1µF)	[R12
238	VRS-TV2AB103J	AA		č	Resistor(1/10W 10K ±5%)	[R12
239	VRS-TV2AB102J	AA		Ċ	Resistor(1/10W 1K ±5%)	[R12
	VRS-TV2AB000J	AA		С	Resistor(1/10W 0 ±5%)	(R1

NO. PARTS CODE		IEW PART ARK RANK	DESCRIPTION	
10] Control PWB unit				
241 VRS-TV2AB000J	AA	C	Resistor(1/10W 0 ±5%)	[R1
242 VRS-TV2AB000J	AA	C	Resistor(1/10W 0 ±5%)	[R1 [R1
243 VRS-TV2AB000J 244 VRS-TV2AB103J	AA AA	C	Resistor(1/10W 0 ±5%) Resistor(1/10W 10K ±5%)	[R1
245 VRS-TV2AB330J	AD	- č	Resistor(1/10W 33 ±5%)	[R1
246 VRS-TV2AB330J	AD	С	Resistor(1/10W 33 ±5%)	[R1
247 VRS-TV2AB103J	AA	С	Resistor(1/10W 10K ±5%)	[R1
248 VRS-TV2AB203J	AA	С	Resistor(1/10W 20K ±5%)	[R1
249 VRS-TV2AB102J 250 VRS-TV2AB103J	AA AA	C	Resistor(1/10W 1K ±5%) Resistor(1/10W 10K ±5%)	[R1
250 VRS-TV2AB103J 251 VRS-TV2AB203J	AA	-	Resistor(1/10W 20K ±5%)	[R1
252 VRS-TV2AB101J	AA	Č	Resistor(1/10W 100 ±5%)	[R1
253 VRS-TV2AB101J	AA	С	Resistor(1/10W 100 ±5%)	[R1
254 VRS-TV2AB101J	AA	<u>C</u>	Resistor(1/10W 100 ±5%)	[R1
255 VRS-TV2AB101J 256 VRS-TV2AB101J	AA AA	C	Resistor(1/10W 100 ±5%) Resistor(1/10W 100 ±5%)	[R1 [R1
256 VRS-TV2AB101J 257 VRS-TV2AB101J	AA		Resistor(1/10W 100 ±5%)	R1
258 VRS-TV2AB101J	AA	Ċ	Resistor(1/10W 100 ±5%)	į́R1
259 VRS-TV2AB101J	AA	С	Resistor(1/10W 100 ±5%)	[R1
260 VRS-TV2AB271J	AA	С	Resistor(1/10W 270 ±5%)	[R1
261 VRS-TV2AB271J	AA	C	Resistor(1/10W 270 ±5%)	[R1 (R1
262 VRS-TV2AB103J 263 VRS-TV2AB271J	AA AA	C	Resistor(1/10W 10K ±5%) Resistor(1/10W 270 ±5%)	(R1
264 VRS-TV2AB2713	AA		Resistor(1/10W 3K ±5%)	[R
265 VRS-TV2AB271J	AA	Č	Resistor(1/10W 270 ±5%)	įR
266 VRS-TV2AB271J	AA	С	Resistor(1/10W 270 ±5%)	[R
267 VRS-TV2AB271J	AA	Ç	Resistor(1/10W 270 ±5%)	[R
268 VRS-TV2AB000J 269 VRS-TV2AB271J	AA AA	C	Resistor(1/10W 0 ±5%) Resistor(1/10W 270 ±5%)	In [R
269 VHS-TV2AB271J 270 VRS-TV2AB302J	AA	 c	Resistor(1/10W 3K ±5%)	ĪŘ.
271 VRS-TV2AB302J	ÃÃ	Č	Resistor(1/10W 3K ±5%)	[R
272 VRS-TV2AB000J	AA	С	Resistor(1/10W 0 ±5%)	[R
273 VRS-TV2AB000J	AA	С	Resistor(1/10W 0 ±5%)	[R
274 VRS-TV2AB000J	AA	C	Resistor(1/10W 0 ±5%)	[R
275 VRS-TV2AB000J 276 VRS-TV2AB203J	AA AA	C	Resistor(1/10W 0 ±5%) Resistor(1/10W 20K ±5%)	[R
276 VRS-TV2AB203J 277 VRS-TV2AB102J	 🛣 	 	Resistor(1/10W 1K ±5%)	[R
278 VRS-TV2AB102J	AA	Ċ	Resistor(1/10W 1K ±5%)	[R
279 VRS-TV2AB103J	AA	С	Resistor(1/10W 10K ±5%)	[R
280 VRS-TV2AB103J	AA	С	Resistor(1/10W 10K ±5%)	[R2
281 VRS-TV2AB103J	AA	C	Resistor(1/10W 10K ±5%)	[R:
282 VRS-TV2AB103J 283 VRS-TV2AB103J	AA AA	C	Resistor(1/10W 10K ±5%) Resistor(1/10W 10K ±5%)	[R
284 VRS-TV2AB103J	AA -	C	Resistor(1/10W 100 ±5%)	[R
285 VRS-TV2AB201J	AA	C	Resistor(1/10W 200 ±5%)	[R
286 VRS-TV2AB105J	AA	С	Resistor(1/10W 1.0M ±5%)	[R:
287 VRS-TV2AB101J	AA	С	Resistor(1/10W 100 ±5%)	[R:
288 VRS-TV2AB102J	AA	0	Resistor(1/10W 1K ±5%)	(R:
289 VRS-TV2AB101J 290 VRS-TV2AB271J	AA AA	C	Resistor(1/10W 100 ±5%) Resistor(1/10W 270 ±5%)	[R
291 VRS-TV2AB2713 291 VRS-TV2AB103J	AA	C	Resistor(1/10W 10K ±5%)	[R:
292 VRS-TV2AB000J	AA	Č	Resistor(1/10W 0 ±5%)	[R
293 VRS-TV2AB562J	AA	c	Resistor(1/10W 5.6K ±5%)	[R
294 VRS-TV2AB333J	AD	С	Resistor(1/10W 33K ±5%)	(R:
295 VRS-TV2AB183J	AD AA	C	Resistor(1/10W 18K ±5%) Resistor(1/10W 3K ±5%)	ĮR: [R:
296 VRS-TV2AB302J 297 VRS-TV2AB103J	AA	- C	Resistor(1/10W 3K ±5%)	[R
298 VRS-TV2AB623J	AA -	C	Resistor(1/10W 62K ±5%)	[R
299 VRS-TV2AB000J	AA	č	Resistor(1/10W 0 ±5%)	[R
300 VRS-TV2AB302J	AA	С	Resistor(1/10W 3K ±5%)	[R
301 VRS-TV2AB103J	AA	0	Resistor(1/10W 10K ±5%)	[R:
302 VRS-TV2AB103J	AA	C	Resistor(1/10W 10K ±5%) Resistor(1/10W 100 ±5%)	ĮR. [R
303 VRS-TV2AB101J 304 VRS-TV2AB103J	AA AA	C	Resistor(1/10W 10K ±5%)	[R
305 VRS-TV2AB103J	ÃÃ	Č	Resistor(1/10W 10K ±5%)	[R
306 VRS-TV2AB103J	AA	С	Resistor(1/10W 10K ±5%)	[R
307 VRS-TV2AB103J	AA	С	Resistor(1/10W 10K ±5%)	[R
308 VRS-TV2AB103J	AA	C	Resistor(1/10W 10K ±5%)	[R:
309 RCILZ2133SCZZ	AC AC	C	Coil,Inductor Coil,Inductor	ĮH. [R:
310 RCILZ2133SCZZ 311 VRS-TV2AB101J	AC AA	C	Resistor(1/10W 100 ±5%)	[R
312 VRS-TV2AB101J	AA -	č	Resistor(1/10W 100 ±5%)	[R
313 VRS-TV2AB471J	AA	C	Resistor(1/10W 470 ±5%)	[R
314 VRS-TV2AB101J	AA	С	Resistor(1/10W 100 ±5%)	[R
315 VRS-TV2AB000J	AA	С	Resistor(1/10W 0 ±5%)	[R:
316 VRS-TV2AB332J	AA A	C	Resistor(1/10W 3.3K ±5%) Resistor(1/10W 0 ±5%)	[R:
317 VRS-TV2AB000J 318 VRS-TV2AB103J	AA AA	C	Resistor(1/10W 10K ±5%)	[R2
318 VRS-TV2AB103J 319 VRS-TV2AB302J	AA	C	Resistor(1/10W 3K ±5%)	[R2
320 VRS-TV2AB103J	ĀĀ	č	Resistor(1/10W 10K ±5%)	[R

NO. PARTS CODE	PRICE NEV		DESCRIPTION	
[10] Control PWB unit				
321 VRS-TV2AB103J	AA	С	Resistor(1/10W 10K ±5%)	[R25
322 VRS-TV2AB103J	AA	С	Resistor(1/10W 10K ±5%)	R25
323 VRS-TV2AB103J	AA	C	Resistor(1/10W 10K ±5%)	[R25
324 VRS-TV2AB333J	AD	С	Resistor(1/10W 33K ±5%)	[R26
325 VRS-TV2AB333J	AD	C	Resistor(1/10W 33K ±5%)	[R26
326 VRS-TV2AB103J	AA	С	Resistor(1/10W 10K ±5%)	[R26
327 VRS-TV2AB000J	AA	C	Resistor(1/10W 0 ±5%)	[R26 [R26
328 VRSTS2AD8662F 329 VRS-TV2AB302J	AA AA	C	Resistor(1/10W 86.6K ±1%)	[R26
330 VRS-TV2AB302J	AA	- c	Resistor(1/10W 3K ±5%) Resistor(1/10W 1.0M ±5%)	[R26
331 VRS-TV2AB103J	- AA	- c	Resistor(1/10W 1K ±5%)	[R26
332 VRS-TV2AB103J	- 22	C	Resistor(1/10W 10K ±5%)	R27
333 VRS-TV2AB103J	- AA	- 6	Resistor(1/10W 10K ±5%)	[R27
334 VRS-TV2AB103J	- AA	 c	Resistor(1/10W 10K ±5%)	[R27
335 VRS-TV2AB000J	ĀĀ	Ċ	Resistor(1/10W 0 ±5%)	[R27
336 VRS-TV2AB000J	AA	C	Resistor(1/10W 0 ±5%)	[R27
337 VRS-TV2AB103J	AA	С	Resistor(1/10W 10K ±5%)	[R27
338 VRS-TV2AB103J	AA	С	Resistor(1/10W 10K ±5%)	[R27
339 VRS-TV2AB101J	AA	С	Resistor(1/10W 100 ±5%)	[R27
340 VRS-TV2AB333J	AD	С	Resistor(1/10W 33K ±5%)	[R27
341 VRS-TV2AB103J	AA	С	Resistor(1/10W 10K ±5%)	[R28
342 VRS-TV2AB000J	AA	С	Resistor(1/10W 0 ±5%)	[R28
343 VRS-TV2AB000J	AA	С	Resistor(1/10W 0 ±5%)	[R284
344 VRS-TV2AB103J	AA	C	Resistor(1/10W 10K ±5%)	[R28
345 VRS-TV2AB103J	AA	C	Resistor(1/10W 10K ±5%)	[R28]
346 VRS-TV2AB471J	AA	C	Resistor(1/10W 470 ±5%)	[R28
347 VRS-TV2AB103J	AA	C	Resistor(1/10W 10K ±5%)	[R289
348 VRS-TV2AB271J 349 VRS-TV2AB103J	AA AA	C	Resistor(1/10W 270 ±5%) Resistor(1/10W 10K ±5%)	[R290
350 VRS-TV2AB1033	AD AD		Resistor(1/10W 33K ±5%)	[R292
351 VRS-TV2AB471J	AA I	 č	Resistor(1/10W 470 ±5%)	[R293
352 VRS-TV2AB103J	- AA -	 č	Resistor(1/10W 10K ±5%)	R294
353 VRS-TV2AB102J	- AA	 č	Resistor(1/10W 1K ±5%)	R295
354 VRS-TV2AB103J	AA	- c	Resistor(1/10W 10K ±5%)	[R296
355 VRS-TV2AB472J	AA -	l č	Resistor(1/10W 4.7K ±5%)	[R297
356 VRS-TQ2BB000J	AA	C	Resistor(1/8W 0 ±5%)	R299
357 VRS-TV2AB271J	AA	Ċ	Resistor(1/10W 270 ±5%)	[R300
358 VRS-TV2AB152J	AB	C	Resistor(1/10W 1.5K ±5%)	[R301
359 VRS-TV2AB473J	AA	С	Resistor(1/10W 47K ±5%)	[R302
360 VRS-TV2AB133J	AA	С	Resistor(1/10W 13K ±5%)	[R303
361 VRSTS2AD8662F	AA	С	Resistor(1/10W 86.6K ±1%)	[R304
362 VRS-TV2AB103J	AA	С	Resistor(1/10W 10K ±5%)	[R305
363 VRS-TV2AB332J	AA_	С	Resistor(1/10W 3.3K ±5%)	[R306
364 VRSTS2AD4752F	AA	С	Resistor(1/10W 47.5K ±1%)	[R308
365 VRS-TV2AB103J	AA	С	Resistor(1/10W 10K ±5%)	[R309
366 VRS-TV2AB472J	AA	C	Resistor(1/10W 4.7K ±5%)	[R310
367 VRS-TQ2BB200J	AA .	C	Resistor(1/8W 20 ±5%)	[R311
368 VRS-TV2AB100J	AD	C	Resistor(1/10W 10 ±5%)	[R313
369 VRS-TV2AB470J 370 VRS-TV2AB470J	AA AA	C	Resistor(1/10W 47 ±5%) Resistor(1/10W 47 ±5%)	[R315
370 VRS-TV2AB470J 371 VRS-TV2AB100J	AD	 č	Resistor(1/10W 10 ±5%)	[R316
371 VRS-TV2AB1003 372 VRS-TV2AB103J	AA	 č 	Resistor(1/10W 10 ±5%)	[R317
372 VRS-TV2AB103J	AA	 c	Resistor(1/10W 10K ±5%)	(R319
374 VRS-TV2AB103J	AA I	 c	Resistor(1/10W 10K ±5%)	[R320
375 VRS-TV2AB103J	AA I	+ c	Resistor(1/10W 10K ±5%)	[R321
376 VRS-TV2AB000J	AA	C	Resistor(1/10W 0 ±5%)	[R322
377 VRS-TV2AB103J	AA	Č	Resistor(1/10W 10K ±5%)	[R324
378 VRS-TV2AB103J	AA	С	Resistor(1/10W 10K ±5%)	[R32
379 VRS-TV2AB103J	AA	С	Resistor(1/10W 10K ±5%)	[R32
380 VRS-TV2AB101J	AA	С	Resistor(1/10W 100 ±5%)	[R32
381 VRS-TV2AB103J	AA	С	Resistor(1/10W 10K ±5%)	[R33
382 VRS-TV2AB103J	AA	С	Resistor(1/10W 10K ±5%)	[R33
383 VRS-TV2AB103J	AA	С	Resistor(1/10W 10K ±5%)	[R33
384 VRS-TV2AB101J	AA	С	Resistor(1/10W 100 ±5%)	[R33
385 VRS-TV2AB103J	AA	С	Resistor(1/10W 10K ±5%)	[R33
386 VRS-TV2AB101J	AA	C	Resistor(1/10W 100 ±5%)	[R33
387 VRS-TV2AB000J	AA .	C	Resistor(1/10W 0 ±5%)	[R33
388 VRS-TV2AB000J	AA	C	Resistor(1/10W 0 ±5%)	[R33]
389 VRS-TV2AB000J	AA .	C	Resistor(1/10W 0 ±5%)	[R33
390 VRS-TV2AB103J	AA	C	Resistor(1/10W 10K ±5%)	[R33
391 VRS-TV2AB103J	AA	C	Resistor(1/10W 10K ±5%)	[R340
392 VRS-TV2AB103J	AA AA	C	Resistor(1/10W 10K ±5%)	[R34
393 VRS-TV2AB103J	AA	C	Resistor(1/10W 10K ±5%)	[R34
394 VRS-TV2AB103J	AA	C	Resistor(1/10W 10K ±5%)	[R34:
395 VRS-TV2AB103J	AA .	C	Resistor(1/10W 10K ±5%)	[R344
396 VRS-TV2AB102J	AA AA	C	Resistor(1/10W 1K ±5%)	[R345
397 VRS-TV2AB103J 398 VRS-TV2AB471J	AA AA	- C	Resistor(1/10W 10K ±5%) Resistor(1/10W 470 ±5%)	[R347
399 VRS-TV2AB4713	AA	 c	Resistor(1/10W 470 ±5%)	[R348
400 VRS-TV2AB103J	- AA	C	Resistor(1/10W 10K ±5%)	[R349

NO. PARTS CODE		NEW PART MARK RANK	DESCRIPTION	
10] Control PWB unit				
401 VRS-TV2AB271J	AA	C	Resistor(1/10W 270 ±5%)	[R35
402 VRS-TV2AB271J 403 VRS-TV2AB000J	AA AA	- C	Resistor(1/10W 270 ±5%) Resistor(1/10W 0 ±5%)	[R35 [R35
404 VRS-TV2AB000J	AA	- c	Resistor(1/10W 0 ±5%)	[R35
405 VRS-TV2AB000J	AA	Č	Resistor(1/10W 0 ±5%)	[R35
406 VRS-TV2AB000J	AA	С	Resistor(1/10W 0 ±5%)	[R35
407 VRS-TV2AB333J	AD	C	Resistor(1/10W 33K ±5%)	[R35
408 VRSTS2AD1742F 409 VRS-TV2AB100J	AA AD	C	Resistor(1/10W 17.4K ±1%) Resistor(1/10W 10 ±5%)	[R36 [R36
410 VRS-TV2AB100J	AD	- č	Resistor(1/10W 10 ±5%)	[R36
411 VRS-TV2AB100J	AD	Ċ	Resistor(1/10W 10 ±5%)	[R36
412 VRS-TV2AB100J	AD	С	Resistor(1/10W 10 ±5%)	[R36
413 VRS-TV2AB100J	AD	С	Resistor(1/10W 10 ±5%)	[R36
414 VRS-TV2AB103J 415 VRS-TV2AB103J	AA	С	Resistor(1/10W 10K ±5%)	[R36
415 VRS-TV2AB103J 416 VRS-TV2AB103J	AA AA	C	Resistor(1/10W 10K ±5%) Resistor(1/10W 10K ±5%)	[R36
417 VRS-TV2AB154J	AB	Č	Resistor(1/10W 150K ±5%)	[R36
418 VRS-TV2AB104J	AA	С	Resistor(1/10W 100K ±5%)	[R37
419 VRS-TV2AB103J	AA	C	Resistor(1/10W 10K ±5%)	[R37
420 VRS-TV2AB102J	AA	С	Resistor(1/10W 1K ±5%)	[R37
421 VRS-TV2AB102J 422 VRS-TV2AB000J	AA	C	Resistor(1/10W 1K ±5%)	[R37
422 VRS-TV2AB000J 423 VRS-TV2AB271J	AA AA	C	Resistor(1/10W 0 ±5%) Resistor(1/10W 270 ±5%)	[R37
424 VRS-TV2AB271J	AA I	, č	Resistor(1/10W 270 ±5%)	[R37
425 VRS-TV2AB103J	AA	Č	Resistor(1/10W 10K ±5%)	[R37
426 VRS-TV2AB471J	AA	С	Resistor(1/10W 470 ±5%)	[R38
427 VRS-TV2AB100J	AD	C	Resistor(1/10W 10 ±5%)	[R38
428 VRS-TV2AB100J 429 VRS-TV2AB100J	AD AD	C	Resistor(1/10W 10 ±5%) Resistor(1/10W 10 ±5%)	(R38
430 VRS-TV2AB100J	AD	Č	Resistor(1/10W 10 ±5%)	(R38 (R38
431 VRS-TV2AB681J	AA	Ċ	Resistor(1/10W 680 ±5%)	[R39
432 VRS-TV2AB473J	AA	С	Resistor(1/10W 47K ±5%)	[R39
433 VRS-TV2AB103J	AA	С	Resistor(1/10W 10K ±5%)	[R39
434 VRS-TV2AB271J	AA	C	Resistor(1/10W 270 ±5%)	[R39
435 VRS-TV2AB271J 436 VRS-TV2AB330J	AA AD	C	Resistor(1/10W 270 ±5%) Resistor(1/10W 33 ±5%)	[R39
437 VRS-TV2AB330J	AD	C	Resistor(1/10W 33 ±5%)	[R39
438 VRS-TV2AB101J	AA	Č	Resistor(1/10W 100 ±5%)	(R39
439 VRS-TV2AB330J	AD	С	Resistor(1/10W 33 ±5%)	[R39
440 VRS-TV2AB330J	AD	С	Resistor(1/10W 33 ±5%)	[R39
441 VRS-TV2AB330J	AD	C	Resistor(1/10W 33 ±5%)	[R40
442 VRS-TV2AB330J 443 VRS-TV2AB330J	AD AD	C	Resistor(1/10W 33 ±5%) Resistor(1/10W 33 ±5%)	[R40 [R40
444 VRS-TV2AB330J	AD	- c	Resistor(1/10W 33 ±5%)	[R40
445 VRS-TV2AB330J	AD	č	Resistor(1/10W 33 ±5%)	[R40
446 VRS-TV2AB330J	AD	С	Resistor(1/10W 33 ±5%)	[R40
447 VRS-TV2AB330J	AD	C	Resistor(1/10W 33 ±5%)	[R40
448 VRS-TV2AB330J	AD	C	Resistor(1/10W 33 ±5%)	[R40
449 VRS-TV2AB000J 450 VRS-TV2AB471J	AA AA	C	Resistor(1/10W 0 ±5%) Resistor(1/10W 470 ±5%)	[R40
451 VRS-TV2AB100J	AD		Resistor(1/10W 10 ±5%)	[R41
452 VRS-TV2AB100J	AD	č	Resistor(1/10W 10 ±5%)	[R412
453 VRS-TV2AB100J	AD	C	Resistor(1/10W 10 ±5%)	[R41
454 VRS-TV2AB100J	AD	C	Resistor(1/10W 10 ±5%)	[R41
455 VRS-TV2AB100J	AD	C	Resistor(1/10W 10 ±5%)	[R41
456 VRS-TV2AB100J 457 VRS-TV2AB100J	AD AD	C	Resistor(1/10W 10 ±5%) Resistor(1/10W 10 ±5%)	[R410 [R410
458 VRS-TV2AB100J	AD	- -	Resistor(1/10W 10 ±5%)	[R41
459 VRS-TV2AB103J	AA	l č	Resistor(1/10W 10K ±5%)	[R41
460 VRS-TV2AB100J	AD	Ċ	Resistor(1/10W 10 ±5%)	[R42
461 VRS-TV2AB100J	AD	С	Resistor(1/10W 10 ±5%)	[R42
462 VRS-TV2AB330J	AD	C	Resistor(1/10W 33 ±5%)	[R42
463 VRS-TV2AB330J	AD	C	Resistor(1/10W 33 ±5%)	[R42
464 VRS-TV2AB330J 465 VRS-TV2AB330J	AD AD	C	Resistor(1/10W 33 ±5%) Resistor(1/10W 33 ±5%)	[R42 [R42
466 VRS-TV2AB3300	AA	- c 	Resistor(1/10W 47 ±5%)	[R42
467 VRS-TV2AB470J	AA	- č	Resistor(1/10W 47 ±5%)	[R42
468 VRS-TV2AB470J	AA	C	Resistor(1/10W 47 ±5%)	R42
469 VRS-TV2AB470J	AA	С	Resistor(1/10W 47 ±5%)	[R42
470 VRS-TV2AB470J	AA	С	Resistor(1/10W 47 ±5%)	[R43
471 VRS-TV2AB470J	AA	С	Resistor(1/10W 47 ±5%)	[R43
472 VRS-TV2AB470J 473 VRS-TV2AB470J	AA AA	C	Resistor(1/10W 47 ±5%) Resistor(1/10W 47 ±5%)	[R43 [R43
473 VHS-TV2AB470J	AA A	C	Resistor(1/10W 47 ±5%) Resistor(1/10W 47 ±5%)	[R43
475 VRS-TV2AB470J	T AA		Resistor(1/10W 47 ±5%)	[R43
476 VRS-TV2AB470J	AA	С	Resistor(1/10W 47 ±5%)	[R43
477 VRS-TV2AB470J	AA		Resistor(1/10W 47 ±5%)	[R43
478 VRS-TV2AB470J	AA		Resistor(1/10W 47 ±5%)	[R43
479 VRS-TV2AB470J	AA	С	Resistor(1/10W 47 ±5%) Resistor(1/10W 47 ±5%)	[R43

10.	PARTS CODE	PRICE RANK		PART RANK	DESCRIPTION	
0] C	ontrol PWB unit					
481	VRS-TV2AB470J	AA		С	Resistor(1/10W 47 ±5%)	[R
482	VRS-TV2AB470J	AA		C	Resistor(1/10W 47 ±5%)	[R
483	VRS-TV2AB562J	AA		C	Resistor(1/10W 5.6K ±5%)	[R
484	VRS-TV2AB330J	AD		_ <u>C</u>	Resistor(1/10W 33 ±5%)	[R
485	VRS-TV2AB330J	AD		C	Resistor(1/10W 33 ±5%)	[R
486 487	VRS-TV2AB330J VRS-TV2AB330J	AD AD		C	Resistor(1/10W 33 ±5%) Resistor(1/10W 33 ±5%)	[R
488	VRS-TV2AB330J	AD		C		[h
489	VRS-TV2AB330J	AD		C	Resistor(1/10W 33 ±5%)	[Pi
490	VRS-TV2AB330J	AD		c	Resistor(1/10W 33 ±5%) Resistor(1/10W 33 ±5%)	
		AD		C	Resistor(1/10W 33 ±5%)	
491 492	VRS-TV2AB330J VRS-TV2AB101J	AA AA		C	Resistor(1/10W 33 ±5%) Resistor(1/10W 100 ±5%)	In In
492	VRS-TV2AB101J	- AA		5	Resistor(1/10W 100 ±5%)	
494	VRS-TQ2BB000J	AA I		c	Resistor(1/8W 0 ±5%)	
495	VRS-TV2AB122J	AA		C	Resistor(1/10W 1.2K ±5%)	In In
496	VRS-TV2AB122J	AA I		C	Resistor(1/10W 1.2K ±5%)	
497	VRS-TV2AB122J	AA I		C	Resistor(1/10W 1.2K ±5%)	[R
498	VRS-TV2AB122J	- 		0	Resistor(1/10W 1.2K ±5%)	
499	VRS-TV2AB122J	AA		Ö	Resistor(1/10W 1.2K ±5%)	į (R
500	VRS-TV2AB122J	- AA		-	Resistor(1/10W 1.2K ±5%)	[R
	VRS-TV2AB122J	AA		-6	Resistor(1/10W 1.2K ±5%)	
501	VRS-TV2AB122J	AA		-6	Resistor(1/10W 1.2K ±5%) Resistor(1/10W 1.2K ±5%)	Įn ĮR
503	VRS-TV2AB122J	AA I		- 6	Resistor(1/10W 1.2K ±5%)	IR
504	VRS-TV2AB122J	AA AA		C	Resistor(1/10W 1.2K ±5%)	<u>[P</u>
505	VRS-TV2AB122J	AA AA		C	Resistor(1/10W 1.2K ±5%) Resistor(1/10W 1.2K ±5%)	<u> </u>
	VHS-TV2AB122J VHS-TV2AB122J	AA AA		- C	Hesistor(1/10W 1.2K ±5%) Resistor(1/10W 1.2K ±5%)	IH IH
506 507	VRS-TV2AB122J					
		AA		<u>c</u>	Resistor(1/10W 1.2K ±5%)	<u>[R</u>
508	VRS-TV2AB122J	AA		C	Resistor(1/10W 1.2K ±5%)	in
509	VRS-TV2AB122J	AA AA		C	Resistor(1/10W 1.2K ±5%)	[H
510	VRS-TV2AB122J	AA		<u>c</u>	Resistor(1/10W 1.2K ±5%)	
511	VR\$-TV2AB122J	AA		C	Resistor(1/10W 1.2K ±5%)	A) A)
512	VRS-TV2AB122J	AA		C	Resistor(1/10W 1.2K ±5%)	
513	VRS-TQ2BB561J	AA AS		C	Resistor(1/8W 560 ±5%)	[R
514	VRS-TV2AB330J	AD		C	Resistor(1/10W 33 ±5%)	[Ř
515	VRS-TV2AB330J	AD		<u>C</u>	Resistor(1/10W 33 ±5%)	[R
516	VRS-TV2AB330J	AD		_ <u>c</u>	Resistor(1/10W 33 ±5%)	[R
517	VRS-TV2AB330J	AD		<u>c</u>	Resistor(1/10W 33 ±5%)	[R
518	VRS-TV2AB101J	AA		C	Resistor(1/10W 100 ±5%)	[R
519	VRS-TV2AB101J	AA		C	Resistor(1/10W 100 ±5%)	[R
	VRS-TQ2BB000J	AA		С	Resistor(1/8W 0 ±5%)	[R
521	VRS-TV2AB390J	AB	I	С	Resistor(1/10W 39 ±5%)	[A
522	VRS-TV2AB103J	AA	I	С	Resistor(1/10W 10K ±5%)	[R
	VRS-TV2AB103J	AA	I	C	Resistor(1/10W 10K ±5%)	[R
524	VRS-TV2AB103J	AA	I	_ C	Resistor(1/10W 10K ±5%)	[R
525	VRS-TV2AB103J	AA		C	Resistor(1/10W 10K ±5%)	[R
526	VRS-TV2AB103J	AA		C	Resistor(1/10W 10K ±5%)	<u></u>
527	VRS-TV2AB000J	AA		_ <u>c</u>	Resistor(1/10W 0 ±5%)	<u>[R</u>
	VRS-TV2AB101J	AA		cl	Resistor(1/10W 100 ±5%)	[R
	VRS-TQ2BB222J	AA		С	Resistor(1/8W 2.2K ±5%)	[A
	VRS-TV2AB000J	AA	I	С	Resistor(1/10W 0 ±5%)	[R
	RCRSQ2125AXZZ	AL	N	В	Crystal(20MHZ)	
	RCRSQ2123AXZZ	AL	N	В	Crystal(6.912MHZ)	
	RCRSB0297AFZZ	AD		В	Crystal(32.768KHz)	
	RCRSQ2124AXZZ	AL	N	В	Crystal(16MHZ)	
	RCRSQ2109SCZZ	AL		В	Crystal(38.00053MHz)	
	VHERD22FB3/-1	AC		В	Zener diode(RD22FB3)	[7
537	TLABN1235CCZZ	AA		D	EPROM label	
\Box	(Unit)					
901	DCEKC781JAXZZ	CM	N	E	Control PWB unit	[2200CMU/C
— <u> </u> -	DCEKC887JAXZZ	CM	N	E	Control PWB unit	[2150CMU/C
丰						
1 7 -	L. Li., DIA/D					
-	L-Liu PWB unit	AE		В	Varistor(PA-391P-V6-2)	
		AD	- NI	- C	ARG cable	
	QCNW-4806AXZZ	AG	N	- c	Capacitor(250WV 0.82µF)	<u></u>
	RC-FZ3024SCZZ		 			
	VCKYPU1HB103K	AA		ç	Capacitor(50WV 0.01µF)	
	VCKYPU1HB102K	AA		C	Capacitor(50WV 1000PF)	
	VCKYPU1HB102K	AA	+	<u> </u>	Capacitor(50WV 1000PF)	
	VCEAGA1HW475M	AA		<u> </u>	Capacitor(50WV 4.7µF)	
	VCKYPU1HB222K	AA		C	Capacitor(50WV 2200PF)	
	VCQYNA1HM333K	AA		C	Capacitor(50WV 0.033µF)	
	VCEAGA1HW475M	AA		C	Capacitor(50WV 4.7µF)	
	VCKYPU1HB222K	AA		_ <u>C</u>	Capacitor(50WV 2200PF)	[0
12	VCEAGA1HW475M	AA		C	Capacitor(50WV 4.7µF)	0]
13	VCEAGA1HW225M	AA	- 1	С	Capacitor(50WV 2.2µF)	

24	IO. PARTS CODE	PRICE RANK		ART ANK	DESCRIPTION	
16 VCKYPUTHBTOSK	1] TEL-Liu PWB unit					
17						[C
18					1	ĺĊ
9 VCK/PUI-IP2327					<u> </u>	[0
20					<u> </u>	[C
13 VCKYPUT-IB228K						[C
22 RRIVD3221SCZZ						O]
23 CONCWIZEOSOSCI						[CI
24						[CNL
S						(CINL
						<u> </u>
27						
8						[
39 RFILNZOTI ISCZZ						[10
30 RFILNZOTI SICZZ						[
31 RFILV2011SCZZ						<u> </u>
33 VRD-HT2EY000U		AC		С		į
33	32 RFILN2011SCZZ	AC		C	Coil(SBT-0260)	
Section AA						Ì
C	34 VRD-HT2EY000J	AA	1 1	C	Resistor(1/4W 0 ±5%)	
S	35 VRD-HT2EY000J				Resistor(1/4W 0 ±5%)	
38		1 1			Line-jack(2pin)	[MJ1
39						[MJT
40						[P
41						[P
AB	10 1111 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0					[
43						
44 VRD-HTZEY300				_		[9
46 VRD-HTZEY300.J AA C Resistor(1/4W) 30 45%) 48 VRD-HTZEY223.J AA C Resistor(1/4W) 220 45%) 49 VRD-HTZEY223.J AA C Resistor(1/4W) 220 45%) 49 VRD-HTZEY23.J AA C Resistor(1/4W) 220 45%) 49 VRD-HTZEY133.J AA C Resistor(1/4W) 120 45%) 50 VRD-HTZEY133.J AA C Resistor(1/4W) 120 45%) 51 VRD-HTZEY133.J AA C Resistor(1/4W) 120 45%) 52 VRD-HTZEY133.J AA C Resistor(1/4W) 120 45%) 53 VRD-HTZEY133.J AA C Resistor(1/4W) 120 45%) 53 VRD-HTZEY133.J AA C Resistor(1/4W) 120 45%) 53 VRD-HTZEY133.J AA C Resistor(1/4W) 120 45%) 54 VRD-HTZEY133.J AA C Resistor(1/4W) 120 45%) 55 VRD-HTZEY133.J AA C Resistor(1/4W) 120 45%) 55 VRD-HTZEY132.J AA C Resistor(1/4W) 120 45%) 56 VRD-HTZEY132.J AA C Resistor(1/4W) 120 45%) 57 VRD-HTZEY132.J AA C Resistor(1/4W) 120 45%) 58 VRD-HTZEY132.J AA C Resistor(1/4W) 120 45%) 59 VRD-HTZEY132.J AA C Resistor(1/4W) 120 45%) 50 VRD-HTZEY132.J AA C Resistor(1/4W) 120 45%) 50 VRD-HTZEY132.J AA C Resistor(1/4W) 120 45%) 50 VRD-HTZEY132.J AA C Resistor(1/4W) 120 45%) 50 VRD-HTZEY132.J AA C Resistor(1/4W) 120 45%) 50 VRD-HTZEY132.J AA C Resistor(1/4W) 120 45%) 50 VRD-HTZEY132.J AA C Resistor(1/4W) 120 45%) 50 VRD-HTZEY132.J AA C Resistor(1/4W) 120 45%) 50 VRD-HTZEY132.J AA C Resistor(1/4W) 120 45%) 50 VRD-HTZEY151.J AA C Resistor(1/4W) 120 45%) 61 VRD-HTZEY152.J AA C Resistor(1/4W) 120 45%) 63 VRD-HTZEY151.J AA C Resistor(1/4W) 120 45%) 65 VRD-HTZEY151.J AA C Resistor(1/4W) 120 45%) 66 VRD-HTZEY151.J AA C Resistor(1/4W) 120 45%) 67 VH-HZZCZ08/VT AC B Varistor(ERZV50AT) 68 VH-HZZCZ08/VT AC B Varistor(ERZV50AT) 68 VH-HZZCZ01/VT AC B Varistor(ERZV50AT) 70 VH-HZZCZ01/VT AC B Varistor(ERZV50AT) 71 VH-HZZCZ01/VT AA B Zener diode(HZZCT) 71 VH-HZZCZ01/VT AA B Zener diode(HZZCT) 71 VH-HZZCZ01/VT AA B Zener diode(HZZCT) 71 VH-HZZCZ01/VT AA B Zener diode(HZZCT) 72 VH-HZZCZ01/VT AA C C C C C C C C C C C C C C C C C C						[3
A						
A				- !		[
48 WRD-HTZEY(22)						[
Maintage Maintage						
50						[
51						[1
SZ NRD-HTZEY103J AA						[
S3 VRD-HT2EY103. AA						[R
SA						[R
SE VRD-HT2EY162.1						[R
NB-HT2EY102.1		1 1				[R
SP						[R]
Separation						[R
Separage Separage						[R
WRD-HTZEY162J						[R
NRD-HTZEY1S3_J						
AA						[R
A			-	-		[R
A						in.
B				_		isv
Section Sect	. .					[3
Orange Content Orange						<u></u>
MEHZ2C1///-1						
69 VHEHZ2C1///-1 AA B Zener diode(HZ2C1) 70 VHEHZ2C1-1//-1 AB B Zener diode(HZ2C1) 71 VHEHZ2C1///-1 AA B Zener diode(HZ2C1) 72 VHEHZ2C1///-1 AA B Zener diode(HZ2C1) 73 VHEHZ2C1///-1 AA B Zener diode(HZ2C1) 74 (Unit) 75 (Unit) 76 (Unit) 77 (Unit) 78						[Zi
To VHEHZ27-1//-1				_		[Zi
71						<u></u>
Tell Tell						<u></u>
(Unit) O1 DCEKL391BAX01 BE N E TEL/Liu PWB unit 1 VCEAEA1CW106M AC C Capacitor(16WV 10µF) 2 VCEAEA1CW106M AC C Capacitor(16WV 10µF) 3 VCKYTV1EF104Z AA C Capacitor(25WV 0.1µF) 4 VCKYTV1EF104Z AA C Capacitor(25WV 0.1µF) 5 VCKYTV1EF104Z AA C Capacitor(25WV 0.1µF) 6 VCKYTV1B121K AA C Capacitor(25WV 0.1µF) 7 QCNCM704FAF02 AC C Capacitor(25WV 0.1µF) 8 VHPPD410PI/-1 AE B Photo transistor(PD410PI) 9 VHPGL480///-1 AD B Photo transistor(PD410PI) 9 VHPGL480///-1 AB B Diode(15S355) 11 VHINJM324M/-1 AH N B IC(NJM324M) 12 VHINJM311M/-1 AL B IC(NJM321M)						[Z
DCEKL391BAX01		+		+		
Ink sensor PWB unit		BE	N E	= 1	TEL/Liu PWB unit	
1 VCEAEA1CW106M AC C Capacitor(16WV 10μF) 2 VCEAEA1CW106M AC C Capacitor(16WV 10μF) 3 VCKYTV1EF104Z AA C Capacitor(25WV 0.1μF) 4 VCKYTV1EF104Z AA C Capacitor(25WV 0.1μF) 5 VCKYTV1HB121K AA C Capacitor(50WV 120PF) 6 VCKYTV1EB104K AA C Capacitor(50WV 120PF) 7 QCNCM704FAF02 AC C Capacitor(25W 0.1μF) 8 VHPPD410PI/-1 AE B Photo transistor(PD410PI) 9 VHPGL480///-1 AD B Photo transistor(GL480) 10 VHD1S3355//-1 AB B Diode(1S3355) 11 VHINJM324M/-1 AH N B IC(NJM324M) 12 VHINJM311M/-1 AL B IC(NJM311M)			 			
1 VCEAEA1CW106M AC C Capacitor(16WV 10μF) 2 VCEAEA1CW106M AC C Capacitor(16WV 10μF) 3 VCKYTV1EF104Z AA C Capacitor(25WV 0.1μF) 4 VCKYTV1EF104Z AA C Capacitor(25WV 0.1μF) 5 VCKYTV1HB121K AA C Capacitor(50WV 120PF) 6 VCKYTV1EB104K AA C Capacitor(50WV 120PF) 7 QCNCM704FAF02 AC C Capacitor(25W 0.1μF) 8 VHPPD410PI/-1 AE B Photo transistor(PD410PI) 9 VHPGL480///-1 AD B Photo transistor(GL480) 10 VHD1S3355//-1 AB B Diode(1S3355) 11 VHINJM324M/-1 AH N B IC(NJM324M) 12 VHINJM311M/-1 AL B IC(NJM311M)	· · · · · · · · · · · · · · · · · · ·					
1 VCEAEA1CW106M AC C Capacitor(16WV 10μF) 2 VCEAEA1CW106M AC C Capacitor(16WV 10μF) 3 VCKYTV1EF104Z AA C Capacitor(25WV 0.1μF) 4 VCKYTV1EF104Z AA C Capacitor(25WV 0.1μF) 5 VCKYTV1HB121K AA C Capacitor(50WV 120PF) 6 VCKYTV1EB104K AA C Capacitor(50WV 120PF) 7 QCNCM704FAF02 AC C Capacitor(25WV 0.1μF) 8 VHPPD410PI/-1 AE B Photo transistor(PD410PI) 9 VHPGL480///-1 AD B Photo transistor(GL480) 10 VHD1S3355/-1 AB B Diode(1S3355) 11 VHINJM324M/-1 AH N B IC(NJM324M) 12 VHINJM311M/-1 AL B IC(NJM311M)						
1 VCEAEA1CW106M AC C Capacitor(16WV 10μF) 2 VCEAEA1CW106M AC C Capacitor(16WV 10μF) 3 VCKYTV1EF104Z AA C Capacitor(25WV 0.1μF) 4 VCKYTV1EF104Z AA C Capacitor(25WV 0.1μF) 5 VCKYTV1HB121K AA C Capacitor(50WV 120PF) 6 VCKYTV1EB104K AA C Capacitor(50WV 120PF) 7 QCNCM704FAF02 AC C Capacitor(25W 0.1μF) 8 VHPPD410PI/-1 AE B Photo transistor(PD410PI) 9 VHPGL480///-1 AD B Photo transistor(GL480) 10 VHD1S3355//-1 AB B Diode(1S3355) 11 VHINJM324M/-1 AH N B IC(NJM324M) 12 VHINJM311M/-1 AL B IC(NJM311M)					O-A-2000-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-	
1 VCEAEA1CW106M AC C Capacitor(16WV 10μF) 2 VCEAEA1CW106M AC C Capacitor(16WV 10μF) 3 VCKYTV1EF104Z AA C Capacitor(25WV 0.1μF) 4 VCKYTV1EF104Z AA C Capacitor(25WV 0.1μF) 5 VCKYTV1HB121K AA C Capacitor(50WV 120PF) 6 VCKYTV1EB104K AA C Capacitor(50WV 120PF) 7 QCNCM704FAF02 AC C Capacitor(25WV 0.1μF) 8 VHPPD410PI/-1 AE B Photo transistor(PD410PI) 9 VHPGL480/I/-1 AD B Photo transistor(GL480) 10 VHD1SS355/I-1 AB B Diode(1SS355) 11 VHINJM324M/-1 AH N B IC(NJM324M) 12 VHINJM311M/-1 AL B IC(NJM311M)	I Ink sensor PWR unit					
2 VCEAEA1CW106M AC C Capacitor(16WV 10μF) 3 VCKYTV1EF104Z AA C Capacitor(25WV 0.1μF) 4 VCKYTV1EF104Z AA C Capacitor(25WV 0.1μF) 5 VCKYTV1HB121K AA C Capacitor(50WV 120PF) 6 VCKYTV1EB104K AA C Capacitor(25WV 0.1μF) 7 QCNCM704FAF02 AC C Capacitor(25WV 0.1μF) 8 VHPPD410Pl/-1 AE B Photo transistor(PD410PI) 9 VHPGL480/l/-1 AD B Photo transistor(GL480) 10 VHD1SS355/l-1 AB B Diode(1SS355) 11 VHINJM324M/-1 AH N B IC(NJM324M) 12 VHINJM311M/-1 AL B IC(NJM311M)	•				0	
3 VCKYTV1EF104Z AA C Capacitor(25WV 0.1μF) 4 VCKYTV1EF104Z AA C Capacitor(25WV 0.1μF) 5 VCKYTV1HB121K AA C Capacitor(50WV 120PF) 6 VCKYTV1EB104K AA C Capacitor(25WV 0.1μF) 7 QCNCM704FAF02 AC C Connector(6pln) [CNPI 8 VHPPD410PI/-1 AE B Photo transistor(PD410PI) 9 VHPGL480/I/-1 AD B Photo transistor(GL480) 10 VHD1SS355//-1 AB B Diode(1SS355) 11 VHINJM324M/-1 AH N B IC(NJM324M) 12 VHINJM311M/-1 AL B IC(NJM311M)						[(
4 VCKYTV1EF104Z AA C Capacitor(25WV 0.1μF) 5 VCKYTV1HB121K AA C Capacitor(50WV 120PF) 6 VCKYTV1EB104K AA C Capacitor(25WV 0.1μF) 7 QCNCM704FAF02 AC C Connector(6pin) [CNPI 8 VHPPD410PI/-1 AE B Photo transistor(PD410PI) 9 VHPGL480///-1 AD B Photo transistor(GL480) 10 VHD1SS355/-1 AB B Diode(1SS355) 11 VHINJM324M/-1 AH N B IC(NJM324M) 12 VHINJM311M/-1 AL B IC(NJM311M)						[0]
5 VCKYTV1HB121K AA C Capacitor(50WV 120PF) 6 VCKYTV1EB104K AA C Capacitor(25WV 0.1μF) 7 QCNCM704FAF02 AC C Connector(6pin) [CNPI 8 VHPPD410PI/-1 AE B Photo transistor(PD410PI) 9 VHPGL480//-1 AD B Photo transistor(GL480) 10 VHD1SS355/-1 AB B Diode(1SS355) 11 VHINJM324M/-1 AH N B IC(NJM324M) 12 VHINJM311M/-1 AL B IC(NJM311M)						[C1
6 VCKYTV1EB104K AA C Capacitor(25WV 0.1μF) 7 QCNCM704FAF02 AC C Connector(6pin) [CNPI 8 VHPPD410PI/-1 AE B Photo transistor(PD410PI) 9 VHPGL480/I/-1 AD B Photo transistor(GL480) 10 VHD1SS355/-1 AB B Diode(1SS355) 11 VHINJM324M/-1 AH N B IC(NJM324M) 12 VHINJM311M/-1 AL B IC(NJM311M)						[C1
7 QCNCM704FAF02 AC C Connector(6pin) [CNPI 8 VHPPD410PI/-1 AE B Photo transistor(PD410PI) 9 VHPGL480//-1 AD B Photo transistor(GL480) 10 VHD1SS355/-1 AB B Diode(1SS355) 11 VHINJM324M/-1 AH N B IC(NJM324M) 12 VHINJM311M/-1 AL B IC(NJM311M)						[C1
8 VHPPD410PI/-1 AE B Photo transistor(PD410PI) 9 VHPGL480//-1 AD B Photo transistor(GL480) 10 VHD1SS355//-1 AB B Diode(1SS355) 11 VHINJM324M/-1 AH N B IC(NJM324M) 12 VHINJM311M/-1 AL B IC(NJM311M)						[C1
9 VHPGL480//-1 AD B Photo transistor(GL480) 10 VHD1SS355/-1 AB B Diode(1SS355) 11 VHINJM324M/-1 AH N B IC(NJM324M) 12 VHINJM311M/-1 AL B IC(NJM311M)						[CNPHO]
10 VHD1SS355/-1 AB B Diode(1SS355) 11 VHINJM324M/-1 AH N B IC(NJM324M) 12 VHINJM311M/-1 AL B IC(NJM311M)						[[
11 VHINJM324M/-1 AH N B IC(NJM324M) 12 VHINJM311M/-1 AL B IC(NJM311M)						[]
12 VHINJM311M/-1 AL B IC(NJM311M)					, , , , , , , , , , , , , , , , , , , ,	[D1:
	*					[IC
13 L VOZOUZATZNIK-1						[10]
						[Q1:

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION	
[12] Ir	nk sensor PWB unit					
15		AA		С	Resistor(1/10W 10K ±5%)	[R102
16		AA		С	Resistor(1/10W 430K ±5%)	(R103
	VRS-TV2AB222J	AA		С	Resistor(1/10W 2.2K ±5%)	[R104
18	VRS-TV2AB103J	AA		С	Resistor(1/10W 10K ±5%)	[R105
19	VRS-TV2AB222J VRS-TV2AB434J	AA AA		C	Resistor(1/10W 2.2K ±5%)	[R106
20 21	VRS-TV2AB434J	AA AA		C	Resistor(1/10W 430K ±5%) Resistor(1/10W 10K ±5%)	[R107 [R108
22	VRS-TV2AB103J	- AA		- č	Resistor(1/10W 10K ±5%)	[R109
23	VRS-TV2AB124J	AA		č	Resistor(1/10W 120K ±5%)	[R110
24	VRS-TV2AB103J	ĀĀ		C	Resistor(1/10W 10K ±5%)	R111
25	VRS-TV2AB434J	AA		С	Resistor(1/10W 430K ±5%)	[R112
26	VRS-TV2AB473J	AA		С	Resistor(1/10W 47K ±5%)	R113
27	VRS-TV2AB151J	AA		C	Resistor(1/10W 150 ±5%)	[R114
28	VRS-TV2AB151J	AA		C	Resistor(1/10W 150 ±5%)	[R115
29	VRS-TV2AB104J	AA		o	Resistor(1/10W 100K ±5%)	[R116
30	VRS-TV2AB332J	AA		C	Resistor(1/10W 3.3K ±5%)	[R117
901	(Unit) DCEKS396BAX01	AZ	N	E	Ink sensor PWB	
- 901	DCLRSSSOBAXOT	~ <u>~</u>	- '\	<u> </u>	IIIK SOIISOI F 17D	
		++				
				-		
[1 2] D	rinter PWB unit	-				
1	VCEAGU1VW107M	AB	<u>.</u>]	0	Capacitor(35WV 100µF)	[C2]
2	VCEAZU1VJ108M	AG	N	C	Capacitor(35WV 1000µF)	[C3
3	VCEAGA1CW107M	AC]	C	Capacitor(16WV 100µF)	[C4]
4	VCKYTV1HF104Z	AA		С	Capacitor(50WV 0.1µF)	[C100]
5	VCCCTV1HH331J	AA		C	Capacitor(50WV 330PF)	[C101] [C102]
- 6 7	VCCCTV1HH471J VCCCTV1HH471J	AA AA		- 6	Capacitor(50WV 470PF) Capacitor(50WV 470PF)	[C102]
8	VCKYTV1CF225Z	AD		č	Capacitor(16WV 2.2µF)	[C104]
- 9	VCKYTV1HF104Z	AA I		-č	Capacitor(50WV 0.1µF)	[C105]
10	VCKYTV1HB103K	AB		č	Capacitor(50WV 0.01µF)	[C106]
11	VCCTV1HH102J	- AA		- č -	Capacitor(50WV 1000PF)	C107
12	VCCCTV1HH331J	AA		Ċ	Capacitor(50WV 330PF)	C108
13	VCKYTV1HF104Z	AA		C	Capacitor(50WV 0.1µF)	[C109]
14	VCKYTV1HF104Z	AA		С	Capacitor(50WV 0.1µF)	[C110]
15	VCKYTV1HF104Z	AA		С	Capacitor(50WV 0.1µF)	[C111]
16	VCKYTV1CF225Z	AD		С	Capacitor(16WV 2.2µF)	[C112]
17	VCKYTV1CF225Z	AD		С	Capacitor(16WV 2.2μF)	[C113]
18	VCKYTV1HF104Z	AA		С	Capacitor(50WV 0.1µF)	[C114]
19	VCKYTV1HF104Z	AA		С	Capacitor(50WV 0.1µF)	[C115]
20	VCCCTV1HH102J	AA		С	Capacitor(50WV 1000PF)	[C116]
21	VCCCTV1HH102J	AA		Ç	Capacitor(50WV 1000PF)	[C117] [C118]
22	VCCCTV1HH101J	AA AA		C	Capacitor(50WV 100PF) Capacitor(50WV 1000PF)	[C119]
23	VCCCTV1HH102J VCCCTV1HH561J	AA		- 6	Capacitor(50WV 1000FF)	[C120]
24	VCCCTV1HH561J	- A		č	Capacitor(50WV 560PF)	[C121]
26	VCKYTV1HF104Z	- AA		c	Capacitor(50WV 0.1µF)	[C123]
27	VCCTV1HH102J	AA		Č	Capacitor(50WV 1000PF)	(C125
28	VCKYTV1HF104Z	AA		č	Capacitor(50WV 0.1µF)	[C126]
29	VCCCTV1HH102J	AA		C	Capacitor(50WV 1000PF)	[C127]
30	VCCCTV1HH102J	AA		С	Capacitor(50WV 1000PF)	[C128]
31	VCCCTV1HH101J	AA		С	Capacitor(50WV 100PF)	[C129]
32	VCCCTV1HH102J	AA		С	Capacitor(50WV 1000PF)	[C130]
33	VCCCTV1HH102J	AA		C	Capacitor(50WV 1000PF)	[C131]
34	VCKYTV1HF103Z	AA		- C	Capacitor(50WV 0.010µF)	[C132]
35	VCCCTV1HH150J	AA		C	Capacitor(50WV 15PF)	[C133]
36	VCCCTV1HH220J	AA AA		C	Capacitor(50WV 22PF)	[C134] [C135]
37	VCCCTV1HH220J VCKYTV1HF104Z	AA AA		C	Capacitor(50WV 22PF) Capacitor(50WV 0.1µF)	[C135]
38	VCCCTV1HH104Z	AA AA		c	Capacitor(50WV 1000PF)	[C136]
40	VCCCTV1HH102J	AA		- 중	Capacitor(50WV 1000PF)	[C138]
41	VCKYTV1HB472K	TÃA I		- č -	Capacitor(50WV 4700PF)	C139
42	VCCCTV1HH102J	AA I		c	Capacitor(50WV 1000PF)	C140
43	VCCCTV1HH102J	AA		č	Capacitor(50WV 1000PF)	C141
44	VCCTV1HH102J	AA I		č	Capacitor(50WV 1000PF)	[C142]
45	VCKYTV1CF225Z	AD		Č	Capacitor(16WV 2.2µF)	[C143]
46	VCCCTV1HH561J	AA		С	Capacitor(50WV 560PF)	[C144]
47	VCCCTV1HH561J	AA		С	Capacitor(50WV 560PF)	[C145]
48	VCKYTV1HF104Z	AA		С	Capacitor(50WV 0.1µF)	[C146
49	VCKYTV1HF104Z	AA		С	Capacitor(50WV 0.1µF)	[C147
50	VCKYTV1HF103Z	AA		С	Capacitor(50WV 0.010μF)	[C148
51	VCCCTV1HH15QJ	AA		С	Capacitor(50WV 15PF)	[C149
52	VCCCTV1HH102J	AA		С	Capacitor(50WV 1000PF)	[C150
	VCKYTV1HF104Z	AA		C	Capacitor(50WV 0.1µF)	[C151]
53						
53 54 55	VCKYTV1HB103K VCKYTV1HB103K	AB AB		C	Capacitor(50WV 0.01µF) Capacitor(50WV 0.01µF)	[C300] [C302

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION	
[13] Pi	rinter PWB unit					
57	QCNCM7014SC0E	AB		С	Connector(5pin)	[CN
58 59	QCNCM7014SC0D QCNCW2556SC3B	AB AG	N	C	Connector(4pin) Connector(32pin)	[CN
60	QCNCW2556SC3B	AG	N	Č	Connector(32pin)	[CN
61	QCNCM2482SC2H	AG	- N	Č	Connector(28pin)	CNPR
62	VHDERA81004-1	AÉ	N	В	Diode(ERA81-004)	[D
63	VHDERA81004-1	AE	N	В	Diode(ERA81-004)	(D
64	VHDERA81004-1	AE	N	В	Diode(ERA81-004)	<u>[D</u>
65 66	VHDERA81004-1 VHVICPS07//-1	AE AA	N	B	Diode(ERA81-004) Varietor(ICP-S07)	[D [F10
67	VHVICPS07//-1	AA I		В	Varistor(ICP-S07)	[F10
68	RCILZ2141AXZZ	AD	N	Č	Bead coll	(FB10
69	RCILZ2141AXZZ	AD	N	С	Bead coil	(FB10
70	RCILZ2141AXZZ	AD	N	C	Bead coil	[FB10
71	RCILZ2141AXZZ	AD	N	C	Bead coil	[FB10
72	RCILZ2141AXZZ VHILB1845//-1	AD	N	C B	Bead coll IC(LB1845)	[FB10
74	VHISTA471A/-1	AK	- IN	В	IC(STA471A)	01
75	VHIW24257S7LL	AP		В	IC(W24257)	[IC
76	VHIL6451///-1	AX	N	В	IC(L6451)	[IC
77	VHITC16G331AF	BG	N	В	IC(TC160G331AF)	[IC
78	VHIL6451///-1	AX	N	В	IC(L6451)	[10
79	VHIBA10393F-1 VHITMP87PH47U	AC AZ	- NT	В	IC(BA10393F) IC(TMP87C807U)	[IC
80 81	VHITMP8/PH4/U VHPSG206S//-1	AZ AG	N	В	Photo transistor(SG206S)	IPC
82	PSLDM2045AXZZ	AF	N	C	Printer shield plate	[PL
83	VS2SB1261K/-1	AE		B	Transistor(2SB1261(K))	<u>[Q</u>
84	VS2SC2412KR-1	AD		В	Transistor(2SC2412K)	[Q10
85	VSDTA114EK/-1	AB		В	Transistor(DTA114EKA)	[Q10
86	VSDTA114EK/-1	AB		В	Transistor(DTA114EKA)	[Q10
87	VSDTA114EK/-1	AB		В	Transistor(DTA114EKA)	[Q10 [Q10
88 89	VSDTA114EK/-1 RR-SZ3013SCZZ	AB	N	В	Transistor(DTA114EKA) Resistor(1W 22.1 ±1%)	(P)
90	RR-SZ3013SCZZ	AC AC	N	c	Resistor(1W 22.1 ±1%)	[R:
91	VRS-HT3AAR75J	AC	N	č	Resistor(1W 0.75 ±5%)	[A:
92	VRS-HT3AAR75J	AC	N	С	Resistor(1W 0.75 ±5%)	[A·
93	RR-SZ3013SCZZ	AC	N	С	Resistor(1W 22.1 ±1%)	[R
94	RR-SZ3013SCZZ	AC	N	С	Resistor(1W 22.1 ±1%)	[A:
95	VRD-HT2EY122J	AA		C	Resistor(1/4W 1.2K ±5%)	[Ri
96 97	VRD-HT2EY122J VRS-TV2AB471J	AA AA		C	Resistor(1/4W 1.2K ±5%) Resistor(1/10W 470 ±5%)	(R100
98	VRS-TV2AB471J	T AA		č	Resistor(1/10W 470 ±5%)	[R101
99	VRS-TV2AB223J	AA		Č	Resistor(1/10W 22K ±5%)	[R102
100	VRS-TV2AB390J	AB		С	Resistor(1/10W 39 ±5%)	[R103
101	VRS-TV2AB102J	AA		C	Resistor(1/10W 1K ±5%)	[R104
102	VRS-TV2AB563F	AB	N	С	Resistor(1/10W 56K ±1%)	[R10
103	VRS-TV2AB563F	AB AB	N	C	Resistor(1/10W 56K ±1%) Resistor(1/10W 1.5K ±5%)	[R100
104 105	VRS-TV2AB152J VRS-TV2AB222J	AA		c	Resistor(1/10W 2.2K ±5%)	[R111
106	VRS-TV2AB152J	AB		č	Resistor(1/10W 1.5K ±5%)	[R112
107	VRS-TV2AB222J	AA	1	c	Resistor(1/10W 2.2K ±5%)	[R113
108	VRS-TV2AB152J	AB		С	Resistor(1/10W 1.5K ±5%)	[R114
109	VRS-TV2AB222J	AA		С	Resistor(1/10W 2.2K ±5%)	[R11
110	VRS-TV2AB222J	AA		C	Resistor(1/10W 2.2K ±5%)	[R110
111	VRS-TV2AB152J	AB		<u>c</u>	Resistor(1/10W 1.5K ±5%)	[R11]
112	VRS-TV2AB472J VRS-TV2AB102J	AA AA		C	Resistor(1/10W 4.7K ±5%) Resistor(1/10W 1K ±5%)	[R119 [R120
114	VRS-TV2AB390J	AB		c	Resistor(1/10W 39 ±5%)	[R120
115	VRS-TV2AB472J	AA	+	c	Resistor(1/10W 4.7K ±5%)	[R12
116	VRS-TV2AB472J	AA		С	Resistor(1/10W 4.7K ±5%)	[R12
117	VRS-TV2AB472J	AA		С	Resistor(1/10W 4.7K ±5%)	[R12
118	VRS-TV2AB390J	AB	I	C	Resistor(1/10W 39 ±5%)	[R13
119	VRS-TV2AB103J	AA		C	Resistor(1/10W 10K ±5%)	[R13
120	VRS-TV2AB390J	AB AA		C	Resistor(1/10W 39 ±5%) Resistor(1/10W 470 ±5%)	[R13 [R13
121	VRS-TV2AB471J VRS-TV2AB471J	AA		C	Resistor(1/10W 470 ±5%)	[R13
	VRS-TV2AB223J	AA	-	č l	Resistor(1/10W 22K ±5%)	[R13
124	VRS-TV2AB390J	AB		č	Resistor(1/10W 39 ±5%)	[R13
	VRS-TV2AB472J	AA	†	C	Resistor(1/10W 4.7K ±5%)	[R13
	VRS-TV2AB472J	AA		С	Resistor(1/10W 4.7K ±5%)	[R13
	VRS-TV2AB390J	AB		С	Resistor(1/10W 39 ±5%)	[R13
	VRS-TV2AB472J	AA		C	Resistor(1/10W 4.7K ±5%)	[R14
	VRS-TV2AB472J	AA		C	Resistor(1/10W 4.7K ±5%)	[R14
	VRS-TV2AB390J VRS-TV2AB390J	AB AB		C	Resistor(1/10W 39 ±5%) Resistor(1/10W 39 ±5%)	[R14
	VRS-TV2AB3900 VRS-TV2AB103J	AA		C	Resistor(1/10W 39 ±5%)	[R14
	VRS-TV2AB1033	AA	+	č	Resistor(1/10W 4.7K ±5%)	[R14
	VRS-TV2AB682J	AB		c	(1/10W 6.8K ±5%)	[R146
	VRS-TV2AB682J	AB		Č	(1/10W 6.8K ±5%)	[R148
	VRS-TV2AB472J	AA		Ċ	Resistor(1/10W 4.7K ±5%)	[R15

NO.	PARTS CODE	PRICE	NEW MARK	PART RANK	DESCRIPTION	17 to
[13] P	rinter PWB unit					
137	VRS-TV2AB472J	AA		С	Resistor(1/10W 4.7K ±5%)	[R150
138	VRS-TV2AB390J	AB		ပ	Resistor(1/10W 39 ±5%)	[R154
139 140	VRS-TV2AB472J VRS-TV2AB390J	AA AB	_	C	Resistor(1/10W 4.7K ±5%) Resistor(1/10W 39 ±5%)	[R155
141	VRS-TV2AB390J	AB		- c	Resistor(1/10W 39 ±5%)	[R157
142	VRS-TV2AB390J	AB		С	Resistor(1/10W 39 ±5%)	[R158
143 144	VRS-TV2AB471J VRS-TV2AB103J	AA AA		C	Resistor(1/10W 470 ±5%) Resistor(1/10W 10K ±5%)	[R159 [R160
145	VRS-TV2AB100J	AA A		C	Resistor(1/10W 10K ±5%) Resistor(1/10W 0 ±5%)	[R162
146	VRS-TV2AB332J	AA		C	Resistor(1/10W 3.3K ±5%)	[R163
147	VRS-TV2AB562J	AA		С	Resistor(1/10W 5.6K ±5%)	[R164
148 149	VRS-TV2AB390J VRS-TV2AB562J	AB AA		C	Resistor(1/10W 39 ±5%) Resistor(1/10W 5.6K ±5%)	[R165
150	VRS-TV2AB105J	AA I		-	Resistor(1/10W 1.0M ±5%)	[R167
151	VRS-TV2AB390J	AB		С	Resistor(1/10W 39 ±5%)	R168
152	VRS-TV2AB472J	AA		C	Resistor(1/10W 4.7K ±5%)	[R171
153 154	VRS-TV2AB472J VRS-TV2AB472J	AA AA		C	Resistor(1/10W 4.7K ±5%) Resistor(1/10W 4.7K ±5%)	[R172 [R173
155	VRS-TV2AB102J	ĀĀ		C	Resistor(1/10W 1K ±5%)	(R175
156	VRS-TV2AB472J	AA		Č	Resistor(1/10W 4.7K ±5%)	(R175
157	VRS-TV2AB472J	AA		С	Resistor(1/10W 4.7K ±5%)	[R176
158	VRS-TV2AB472J VRS-TV2AB472J	AA AA		C	Resistor(1/10W 4.7K ±5%) Resistor(1/10W 4.7K ±5%)	[R177 [R178
159 160	VRS-TV2AB472J	AA AA	}	C	Resistor(1/10W 4.7K ±5%)	[R178
161	VRS-TV2AB390J	AB		č	Resistor(1/10W 39 ±5%)	[R180
162	VRS-TV2AB390J	AB		С	Resistor(1/10W 39 ±5%)	[R181
163	VRS-TV2AB390J	AB		С	Resistor(1/10W 39 ±5%)	[R182
164 165	VRS-TV2AB390J VRS-TV2AB390J	AB AB		C	Resistor(1/10W 39 ±5%) Resistor(1/10W 39 ±5%)	[R183
166	VRS-TV2AB390J	AB		- č -	Resistor(1/10W 39 ±5%)	R185
167	VRS-TV2AB103J	AA		С	Resistor(1/10W 10K ±5%)	[R187
168	VRS-TV2AB390J	AB		С	Resistor(1/10W 39 ±5%)	[R189
169	VRS-TV2AB223J	AA		C	Resistor(1/10W 22K ±5%)	[R190
170 171	VRS-TV2AB000J VRS-TV2AB471J	AA AA		C	Resistor(1/10W 0 ±5%) Resistor(1/10W 470 ±5%)	[R192
172	VRS-TV2AB000J	ÄÄ	-	č	Resistor(1/10W 0 ±5%)	[R195
173	VRS-TV2AB472J	AA		С	Resistor(1/10W 4.7K ±5%)	(R198
174	VRS-TV2AB472J	AA		- C	Resistor(1/10W 4.7K ±5%)	[R199
175 176	VRS-TV2AB000J VRS-TV2AB331J	AA AD		C	Resistor(1/10W 0 ±5%) Resistor(1/10W 330 ±5%)	[R301
177	VRS-TV2AB331J	AD		č	Resistor(1/10W 330 ±5%)	[R305]
178	VRS-TV2AB103J	AA		С	Resistor(1/10W 10K ±5%)	[R311
179	VRS-TV2AB103J	AA		С	Resistor(1/10W 10K ±5%)	[R312
180	RCRSZ7008SCZZ (Unit)	AD		В	Crystal(16.0MHz)	[X1]
901	DCEKC395BAX01	BV	N	E	Printer PWB unit	
						~
				-		
[14] O _l	peration panel PWB unit					
901	DCEKP392BAX01	BL	N	E	Panel PWB unit	
		_				
-						•
[15]	OA PWB unit					
1	VCEAPS476AF1C	AC		С	Capacitor(16WV 47μF)	[C1
2	VCEAPS476AF1C	AC		С	Capacitor(16WV 47µF)	[C2
3	VCKYTV1HF223Z VCKYTV1HF223Z	AA AA		C	Capacitor(50WV 0.022µF) Capacitor(50WV 0.022µF)	[C3 [C4
5	VCKYTV1HF223Z VCEAPS476AF1C	AC AC		c	Capacitor(16WV 47µF)	[C5
6	QCNCM2557SC0E	AE	N	č	Connector	[CNIR
7	VRS-TW2HF000J	AC	N	С	Resistor(1/2W 0 ±5%)	[J1
8	VRS-TW2HF000J	AC	N	C_	Resistor(1/2W 0 ±5%)	[J2
10	VRS-TW2HF000J VHPGL1F21A/-1	AC AN	N	В	Resistor(1/2W 0 ±5%) Photo transistor(GL1F21A)	[J3 [LED1
11	VHPIS1U21A/-1	AP	N	В	Photo transistor(IS1U21A)	[LED2
12	VRS-TW2HF200J	AC	N	С	Resistor(1/2W 20 ±5%)	[R1
13	VRS-TW2HF200J	AC	N	C	Resistor(1/2W 20 ±5%)	[R2
14	VRS-TW2HF910J VRS-TW2HF910J	AC AC	N	C	Resistor(1/2W 91 ±5%) Resistor(1/2W 91 ±5%)	[R3
10	(Unit)	70	-14	 	110010101(1/247 01 ±0/0)	Iua
901	DCEKI394BAX01	BB	N	E	IrDA PWB unit	
						
$-\!\!+$					The same of the sa	

NO.	PARTS CODE	PRICE RANK		PART RANK	DESCRIPTION	
	wer supply PWB unit					
	0KY0L551A0010	AE		С	Beads inductor(BL02RN1)	[BE
	0KY0L551A0010	AE	ļ	C	Beads Inductor(BL02RN1)	[BEA
	0KY0C245Q1040	AM BA		C	Film capacitor(250WV 0.1µF)	
	0KY0C3M1K2210 0KY0C1A9R2210	AG		C	Electrolytic capacitor(200WV 220µF) Ceramic capacitor(1KWV 220PF)	···
	0KY0C251E4720	AE		Č	Film capacitor(50WV 4700PF)	
	0KY0C251E1030	AE		č	Film capacitor(50WV 0.01µF)	ſC
	0KY0C151E1010	AE		č	Ceramic capacitor(50WV 100PF)	ic
	0KY0C176Q3320	AL		Č	Ceramic capacitor(250WV 3300PF)	ic
	0KY0C374D3310	AN		C	Electrolytic capacitor(35WV 330µF)	ic.
11	0KY0C374D3310	AN		С	Electrolytic capacitor(35WV 330µF)	[C.
12	0KY0C162E1040	AF		С	Ceramic capacitor(50WV 0.1µF)	[C
13	0KY0C1A9Y1020	AG		С	Ceramic capacitor(500WV 1000PF)	(C
	0KY0K251A0020	AK		C	Connector(B2P3-VH)	[0
	0KY0K221B0080	AP		C	Connector(08R-FJ)	[CN1
	0KY0D251A0020	AD		В	Diode(1SS133)	
	0KY0D466A0600	AE		В	Zener diode(HZS9B2)	
	0KY0D251A0020	AD		В	Diode(1SS133)	
	0KY0D251A0020	AD		В	Diode(1SS133)	re
	0KY0D157A0060	AG		В	Diode(ERA15-06)	[0]
	0KY0D157A0060 0KY0D157A0060	AG AG		B B	Diode(ERA15-06) Diode(ERA15-06)	<u>[</u>
	0KY0D157A0060	AG		В	Diode(ERA15-06)	[L
	0KY0D221B0020	AG		В	Diode(YG911S2R)	[D.
	0KY0D272A0060	AP		В	Diode(2FWJ42)	ID.
	0KY0D461A3200	AL		B	Zener diode(HZ-30CP)	[D.
	0KY0K758A4R00	AT		Ä	Fuse(4.0A 125V)	
	0KY0MPS029600	AP		Ĉ	Heat sink	[
	0KY0MPH006900	AF AF		č	Heat sink	[H
	0KY1H153A0010	AP	-	В	IC(TA76431)	<u>(iČ</u>
	0KY0H135A5R00	AV		В	IC(PQ05RD11)	(ic
	0KY0L113J1830	AQ		В	Line filter	
	0KY0D763A4R00	AN		В	Thermistor	[N]
	OKY0H719A0010	AP		В	Photo coupler(PC817B)	[P
35	OKY0T644A0010	AV		В	FET(2SK2972)	
36	0KY0T358A0040	AG		В	Transistor(2SC1741AS)	
	0KY0R153U1050	AC		С	Resistor(1/4W 1M ±5%)	
38	0KY0R153U1840	AC		С	Resistor(1/4W 180K ±5%)	[
39	0KY0R153U1840	AC		C	Resistor(1/4W 180K ±5%)	
	0KY0R153U1830	AC		С	Resistor(1/4W 18K ±5%)	
	0KY0R153U4710	AC		С	Resistor(1/4W 470 ±5%)	
	0KY0R153U1810	AC		С	Resistor(1/4W 180 ±5%)	
	0KY0R153U3330	AB		C	Resistor(1/4W 33K ±5%)	
	0KY0R153U1010	AC AC		C	Resistor(1/4W 100 ±5%)	[P
	0KY0R153U6220 0KY0R153U9120	AC AC		C	Resistor(1/4W 6.2K ±5%) Resistor(1/4W 9.1K ±5%)	[P
	0KY0R153U2030	AC		- 6 +	Resistor(1/4W 20K ±5%)	[R
	0KY0R153U3910	AC		$\frac{c}{c}$	Resistor(1/4W 390 ±5%)	(F
	0KY0R153U1000	AC		č	Resistor(1/4W 10 ±5%)	<u>[</u> F
	0KY0R153U3920	AC		č l	Resistor(1/4W 3.9K ±5%)	[R1
	0KY0R153U3920	AC		- c -	Resistor(1/4W 3.9K ±5%)	[R1
	0KY0R153U3920	AC AC	+	č	Resistor(1/4W 3.9K ±5%)	ĮR1
	0KY0R153U3920	AC	1	č	Resistor(1/4W 3.9K ±5%)	[R1
	0KY0R153U3310	AC		č	Resistor(1/4W 330 ±5%)	[R1
	0KY0R153U1020	AB	+	c	Resistor(1/4W 1K ±5%)	[R1
	0KY0R153U1530	AC		č	Resistor(1/4W 15K ±5%)	[R1
	0KY0R153U2220	AC		C	Resistor(1/4W 2.2K ±5%)	[R1
	0KY0R353U1630	AD		С	Resistor(1/4W 16K ±1%)	[R1
59 (OKYOM135A0050	AE		С	Screw(2x6)	
	0KY0L200C0402	BA		В	Transformer	[
	0KY0R854E5020	AK		В	Trimmer potentiometer(1/10W 5K)	[VR1
62 (DKY0D754A2410	AL		В	Varistor(ENC241D)	
	(Unit)					
901 F	RDENT2122AXZZ	BN	N	E	Power supply PWB unit	
$-\!$						
	to the contract of the contrac	+				
io] Hard	dware parts					
-	X-BZ2138XHZZ	AB		СТ	Screw(2x6)	
	_X-BZ2138XMZZ _X-BZ2222AXZZ	AC		c	Screw(2xt)	
B3 -	_V-DFECECAVEF	70	N	- 2 	Screw P-Tight(2x5)	
B4 -		 	N	6 +	Screw(1x6)	
B5 -		+	N	$\frac{c}{c}$	Screw(2x5)	
	KBPSD30P06K00	AA	 +	- č +	Screw(3x6)	
	KBPSE30P06K00	AA	+		Screw(3x6)	
					Screw(4x6)	
	KBBSNAUDUERUU	AA '				
B8 >	KBPSN40P06K00 KEBSD30P06000	AA AA			Screw(3x6)	

NO.	PARTS CODE	PRICE	NEW MARK	PART	DESCRIPTION
[50] H	lardware parts				
B11	XEBSE30P12000 XHBSD30P04000 XHBSE30P06000 XUBSD20P06000	AA		С	Screw(3x12) Screw(3x4) Screw(3x6) Screw(2x6)
B12	XHBSD30P04000	AA		С	Screw(3x4)
B13	XHBSE30P06000	AA		С	Screw(3x6)
B14	XUBSD20P06000	AA		c	Screw(2x6)
W1	LX-WZ2229AXZZ LX-WZ2230AXZZ	AC	N	č	Washer
W2	I X-W72230AX77	AC AC	N N	c	Washer
	D. WEZZOOFOZZE		<u> </u>		Wasilet
				<u> </u>	
		ļ			
				ļ	
			<u> </u>		
				-	
-					
	*		~		
	- MANUAL				
~ -					
		 			
+					

				<u> </u>	
					
		\longrightarrow			
					
					· · · · · · · · · · · · · · · · · · ·
				_ 4	
			I		
					<u> </u>
+					
					······································
					
			+	\longrightarrow	
				- +	· · · · · · · · · · · · · · · · · · ·
+					
\longrightarrow					

■Index

PARTS CODE	No.	PRICE RANK	MARK	
[C] CCNW-4772AX01	1-1	AL	N	С
CGERH2363AX01	6-5	AK	- IN	В
CROLR2362AX01	5-1	AN	-	c
[D]	J-1	17.1		<u> </u>
DCEKC395BAX01	1-3	BV	N	Е
**************************************	13-901	BV	N	Ē
DCEKC781JAXZZ	1-4	CM	N	Ē
"	10-901	CM	N	Ē
DCEKC887JAXZZ	1-4	CM	N	Ē
~	10-901	CM	N	E
DCEKI394BAX01	1-5	BB	N	Е
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	15-901	BB	N	E
DCEKL391BAX01	1-6	BE	N	E
"	11-901	BE	N	E
DCEKP390BAX01	1-7	BP	N	<u>E</u>
"	3-901	BP	N	E
DCEKP390BAX02	1-7	BP	N	<u>E</u>
DCEKP392BAX01	3-1	BL	N	E
	14-901	BL	N	<u> </u>
DCEKS396BAX01	1-8	AZ	N	E
DUNTYOOTO AVOC	12-901	AZ	N	_ <u>E</u> _
DUNTK307BAXOG	9-1	AZ AZ		E
DUNTK307BAXOW	9-1	AZ		
[G] GCABA2299AXSA	3-2	AS	N	D
GCABA2299AXSC	3-2	AS	N	D
GCABB2300AXSA	5-2	AQ	N	<u> </u>
GCABB2300AXSC	5-2	AQ	N	5
GCABC2301AXSA	1-9	AX	N	<u> </u>
GCABC2301AXSC	1-9	AZ	N	D
GCABD2302AXSA	1-10	AM	N	D
GCABD2302AXSC	1-10	AM	N	D
GCABE2303AXSA	1-11	AL	N	D
GCABE2303AXSC	1-11	AL	N	D
GCABF2304AXSA	1-12	AP	N	D
GCABF2304AXSC	1-12	AP	N	D
GCABG2305AXSA	1-13	AS	N	D
GCABG2305AXSC	1-13	AR	N	D
GCOVA2381AXSA	1-2	BD	N	D
GCOVA2381AXSC	1-2	BD	N	Ď
GCOVA2382AXSA	1-14	AH	N	<u>ç</u>
GDAI-2079AXSA	1-15	AL	N	Č
GDAI-2079AXSC GLEGG2063AXZZ	1-15 1-16	AN	-N	C
[H]	1-10	70	-	
HPNLH2385AXSA	1-17	AU	N	D
[J]		7.0		
JBTN-2202AXSA	3-3	AG	i	С
JBTN-2202AXSC	3-3	AG		С
JBTN-2203AXSA	3-4	AF		С
JBTN-2203AXSC	3-4	AF		С
JBTN-2204AXSA	3-5	AD		C
JBTN-2204AXSB	3-5	AD		C
JBTN-2205AXSA	3-6	AD		č
JBTN-2205AXSB	3-6	AD	<u> </u>	C
JBTN-2222AXSA	3-7	AE	N	С
[L]	1.10	AC	NI I	С
LANGF2812AXZZ LANGF2815AXZZ	1-18 4-1	AG AE	N	C
LBNDJ2008SCZZ	1-19	AA	-14	c
LBRC-2006AXZZ	8-35	AK	N	č
LBSHP2095AXZZ	8-36	AD	N	č
LBSHP2096AXZZ	4-2	AK	N	Ċ
LFRM-2188AXZZ	7-1	AP	N	C
LFRM-2189AXSA	5-3	AR	N	С
LFRM-2189AXSC	5-3	AR	N	С
LFRM-2190AXZZ	1-20	AX	N.	C
LFRM-2192AXZZ	8-37	AL	N	O
LHLDZ2165AXZZ	5-4	AN	N	ပ
LHLDZ2166AXZZ	1-21	AD	N	Č
LHLDZ2168AXZZ	8-38	AS	N	C
LHLDZ2169AXZZ	8-39	AD	N	C
LHLDZ2171AXSA	1-22	AĒ	N) O
LHLDZ2171AXSC LPLTG2707XHZZ	1-22	AE	N	č
	4-3 4-4	AE AH	N	c
LPLTM2917AXZZ LPLTM2919AXZZ	6-1	AN	N	C
LPLTM2919AXZZ	7-2	AF	N	ᇹ
LPLTM2923AXZA	1-23	-" 	N	č
L. L. MILVEUMALA	. 20		1, 1	~

PARTS CODE	No.	PRICE		PART
LPLTM2924AXZZ	5-5	RANK	MAHIK	C
LPLTP2884AXZZ	5-6	AP		č
LPLTP2888AXSC	5-7	AP	-	С
LPLTP2888AXSG	5-7	AL	N	С
LPLTP2889AXSC	1-24	AK	2	С
LPLTP2889AXSD	1-24	AN	N	C
LPLTP2890AXSC LPLTP2890AXSD	1-25	AZ AG	N	C
LPLTP2916AXZZ	4-5	AG	N	6
LPLTP2918AXZZ	6-2	AW	N	č
LPLTP2920AXZZ	6-3	AE	N	C
LPLTP2921AXZZ	6-4	AE	N	С
LPLTP2925AXSA	1-26	AQ	N	C
LPLTP2925AXSC	1-26	AQ	Z	С
LPLTP2926AXSA LPLTP2926AXSC	1-27 1-27	AM AM	N	C
LPLTP2920AXSC	1-27	AK	N	Č
# # # # # # # # # # # # # # # # # # #	9-22	AK	Ň	Č
LX-BZ2138XHZZ	50-B1	AB	·``	č
LX-BZ2222AXZZ	50-B2	AC		C
LX-WZ2229AXZZ	50-W1	AC	N	С
LX-WZ2230AXZZ	50-W2	AC	N	С
[M]				
MLEVP2271AXSA	4-6	AH	N	Č
MLEVP2271AXSC	4-6	AH	N	C
MLEVP2273AXZZ MLEVP2274AXZZ	8-40 8-41	AH	N N	C
MLEVP2274AXZZ MLEVP2275AXZZ	5-8	AE	N	C
MLEVP2276AXZZ	5-9	AE	N	Č
MLEVP2277AXZZ	5-10	AE	N	C
MLEVP2278AXSA	1-29	AF	N	С
MSPRC2735XHZZ	8-42	AC		Ç
MSPRC2832AXZZ	2-1	AC	N	C
MSPRC2969AXZZ	6-6	AD	N	Ö
MSPRC2973AXZZ MSPRC2995AXFJ	1-30 5-12	AC AC	N	C
MSPRC3007AXZZ	5-12	AC	N	č
MSPRC3008AXZZ	8-43	AC	N	č
MSPRC3009AXZZ	4-8	AB	N	Č
MSPRC3010AXZZ	4-7	AE	N	Č
MSPRD2975AXZZ	8-44	AC	N	С
MSPRD2998AXZZ	5-13	AC	N	O
MSPRD3004AXZZ	5-14	AB	N	Ç
MSPRP2812SCZZ	4-9	AE	- NI	Č
MSPRP3003AXZZ MSPRT2923AXFJ	4-10 4-11	AB	N	C
MSPRT2932AXFJ	5-15	AC		č
[N]		 ``` 		Ť
NBLTK2056AXZZ	8-45	AF	N	C
NBRGP2141AXZZ	6-7	AC		С
NGERH2275XHZZ	6-8	AC		С
NGERH2278XHZZ	8-46	AC		č
NGERH2279XHZZ	8-47	AC		Ç
NGERH2365AXZZ NGERH2366AXZZ	5-16 5-17	AD AD		C
NGERH2393AXZZ	7-3	AD	N	ᇹ
NGERH2394AXZZ	7-4	AD	N	ŏ
NGERH2396AXZZ	8-48	AD	N	č
NGERH2398AXZZ	8-49	AD	N	С
NGERH2399AXZZ	8-50	AD	N	C
NGERH2400AXZZ	8-51	AD	N	<u>c</u>
NGERH2401AXZZ	5-18	AF	N	츳
NGERH2403AXZZ	4-12	AD	N	č
NGERP2318XHZZ NROLM2389AXZZ	2-2 1-47	AD AD	N	C
	4-13	AE	14	ᠸ
		AC	N	č
NROLP2334AXZZ NROLP2382AXZZ	8-52		-	Ċ
NROLP2334AXZZ	8-52 6-9	AP		_
NROLP2334AXZZ NROLP2382AXZZ		AV		С
NROLP2334AXZZ NROLP2382AXZZ NROLR2333XHZZ NROLR2365AXZZ NROLR2379AXZZ	6-9 6-10 4-14	AV AZ	N	С
NROLP2334AXZZ NROLP2382AXZZ NROLR2333XHZZ NROLR2365AXZZ NROLR2379AXZZ NROLR2380AXZZ	6-9 6-10 4-14 8-53	AV AZ AX	N	C
NROLP2334AXZZ NROLP2382AXZZ NROLR2333XHZZ NROLR2365AXZZ NROLR2379AXZZ NROLR2380AXZZ NROLR2380AXZZ NROLR2381AXZZ	6-9 6-10 4-14 8-53 8-54	AV AZ AX AH		C C C
NROLP2334AXZZ NROLP2382AXZZ NROLR2333XHZZ NROLR2365AXZZ NROLR2379AXZZ NROLR2380AXZZ NROLR2381AXZZ NSFTM2268AXZZ	6-9 6-10 4-14 8-53 8-54 5-19	AV AZ AX AH AE	N	C C C
NROLP2334AXZZ NROLP2382AXZZ NROLR2333XHZZ NROLR2365AXZZ NROLR2379AXZZ NROLR2380AXZZ NROLR2381AXZZ NSFTM2268AXZZ NSFTM2268AXZZ	6-9 6-10 4-14 8-53 8-54	AV AZ AX AH	N	C C
NROLP2334AXZZ NROLP2382AXZZ NROLR2333XHZZ NROLR2365AXZZ NROLR2379AXZZ NROLR2380AXZZ NROLR2381AXZZ NSFTM2268AXZZ NSFTZ2257AXZZ	6-9 6-10 4-14 8-53 8-54 5-19 4-15	AV AZ AX AH AE AE	N N	0000
NROLP2334AXZZ NROLP2382AXZZ NROLR2333XHZZ NROLR2365AXZZ NROLR2379AXZZ NROLR2380AXZZ NROLR2381AXZZ NSFTM2268AXZZ NSFTM2268AXZZ NSFTZ2257AXZZ [P] PCAPH2021AXZZ	6-9 6-10 4-14 8-53 8-54 5-19 4-15	AV AZ AX AH AE AE	N	0000
NROLP2334AXZZ NROLP2382AXZZ NROLR2333XHZZ NROLR2365AXZZ NROLR2379AXZZ NROLR2380AXZZ NROLR2381AXZZ NSFTM2268AXZZ NSFTZ2257AXZZ	6-9 6-10 4-14 8-53 8-54 5-19 4-15	AV AZ AX AH AE AE	N N	00000
NROLP2334AXZZ NROLP2382AXZZ NROLR2333XHZZ NROLR2365AXZZ NROLR2379AXZZ NROLR2380AXZZ NROLR2381AXZZ NROLR2381AXZZ NSFTM2268AXZZ NSFTM2268AXZZ NSFTZ2257AXZZ [P] PCAPH2021AXZZ PCASZ2034AXSA	6-9 6-10 4-14 8-53 8-54 5-19 4-15 1-31	AV AZ AX AH AE AE AD AE	N N N	00000

PARTS CODE	No.	PRICE RANK	MARK	RANI
PFLT-2015AXZZ PGIDM2508AXZZ	1-34 4-16	AG_	N	C
PGIDM2509AXSA	2-4	AR	N	č
PGIDM2509AXSC	2-4	AR	N	C
PGIDM2510AXSA	2-5	AE	2	C
PGIDM2510AXSC	2-5	AE	N	C
PGIDM2511AXSA	2-6	AE	N	O
PGIDM2511AXSC PGIDM2512AXZZ	2-6 5-20	AE	zz	υo
PGUMM2152AXZZ	8-56	AD	N	c
PHOP-2097AXSA	2-7	AK	N	C
PHOP-2097AXSC	2-7	AK	N	Ċ
PHOP-2098AXSA	5-21	AG	N	С
PHOP-2098AXSC	5-21	AG	N	C
PHOP-2099AXSA	5-22	AG	N	C
PHOP-2099AXSC PSEL-2015SCZZ	5-22 5-23	AG AB	N	C
PSHEZ3293AXZZ	5-24	AH		-č -
PSHEZ3342AXZZ	5-25	AC		č
PSHEZ3344AXZZ	5-26	AD		С
PSHEZ3345AXSA	1-35	AG	N	C
PSHEZ3356AXZZ	1-36	AC	N	C
PSHEZ3357AXZZ	5-27	AC AE	N	C
PSHEZ3367AXZZ PSHEZ3368AXZZ	3-8 1-37	AD	N	-
PSLDM2045AXZZ	8-58	AF	-'\-	-č-
"	13-82	AF	N	Ċ
[Q]		1		-
QACCZ2012XHZZ	1-39	AT	N	В
QCNCM2401SC0F	10-138	AB		<u>c</u>
QCNCM2482SC2H	10-140	AG AG	N	C
QCNCM2482SC2J	13-61 10-139	AE	N	-
QCNCM2499SC0H	10-133	AE		č
QCNCM2499SC1D	10-135	AG	$\overline{}$	č
QCNCM2557SC0E	15-6	AE	N	С
QCNCM7014SC0B	10-142	AD		С
QCNCM7014SC0D	13-58	AB		C
QCNCM7014SC0E	10-134 13-57	AB AB		C
QCNCM7014SC0F	10-136	AB		~
QCNCM7014SC0G	10-133	AB		Č
QCNCM704FAF02	12-7	AC		C
QCNCW0946FCZZ	10-137	AH		С
QCNCW2500SC1D	11-23	AG		<u>c</u>
QCNCW2556SC3B	13-59	AG	N	<u> </u>
QCNW-3247SCZZ	13-60 9-5	AG AH	N	c
QCNW-3975AXGY	9-5	AH		č
QCNW-3976XHOG	9-6	AT		C
QCNW-3976XHOW	9-6	AK		С
QCNW-4773AXZZ	1-40	AG	N	D
QCNW-4775AXZZ	1-43	AH	N	C
QCNW-4776AXZZ QCNW-4777AXZZ	6-12 1-41	AR	N	C
GCNVV-4///AXZZ	2-8	AU	N	C
"	3-9	AU	N	c
QCNW-4778AXZZ	1-42	AZ	N	С
, , , , , , , , , , , , , , , , , , , ,	8-59	AZ	N	C
QCNW-4806AXZZ	1-44	AD	N	C
OCNIA/ 4907AV77	11-2	AD AE	N	C
QCNW-4807AXZZ	1-51 8-57	AE	N	Č
QCNW-4855AXZZ	6-11	AD	N	č
QJAKZ2046SCBB	11-36	AH		C
QJAKZ2065SC0D	11-37	AG		С
QSOCZ2051SC32	10-191	AC		С
// // // // // // // // // // // // //	10-193	AC		10
QSW-Z2206SCZZ	11-64	AH		В
[R] RC-FZ3024SCZZ	11-3	AG	\dashv	С
RCILZ2133SCZZ	10-309	AC	\dashv	ŏ
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	10-310	AC	-+	č
RCILZ2141AXZZ	13-68	AD	N	С
"	13-69	AD	N	O
"	13-70	AD	N	Č
<u>"</u>	13-71	AD	N	ᇷ
RCORF2063XHZZ	13-72 1-45	AD AF	IN	B
RCORF2064XHZZ	1-48	AF	-+	В

PARTS CODE RCORF2084XHZZ RCORF2096FFZZ RCRSB0297AFZZ RCRSQ2109SCZZ RCRSQ2123AXZZ RCRSQ2125AXZZ RCRSQ2125AXZZ RCRSZ7006SCZZ RDENT2122AXZZ RFILN2011SCZZ RH-IX2129SCZZ RMOTZ2135AXZZ RMOTZ2137AXZZ RR-SZ3013SCZZ	No. 2-9 1-46 10-533 10-535 10-532 10-534 10-531 13-180 1-38 16-901 11-29 11-30 11-31 11-32 10-189 10-198 7-5	PRICE RANK AF AD AD AL AL AL AL AD BN BN AC AC		PART RANK B B B B B B B
RCORF2084XHZZ RCORF2096FFZZ RCRSB0297AFZZ RCRSQ2109SCZZ RCRSQ2123AXZZ RCRSQ2125AXZZ RCRSQ2125AXZZ RCRSQ2125AXZZ RCRSZ7006SCZZ RDENT2122AXZZ RFILN2011SCZZ " RH-IX2129SCZZ RMOTZ2137AXZZ RMOTZ2137AXZZ RR-SZ3013SCZZ	1-46 10-533 10-535 10-532 10-531 13-180 1-38 16-901 11-29 11-30 11-31 11-32 10-189 10-198	AF AD AL AL AL AD BN BN AC AC	N N N N	B B B B B B
RCORF2096FFZZ RCRSB0297AFZZ RCRSQ2109SCZZ RCRSQ2123AXZZ RCRSQ2123AXZZ RCRSQ2125AXZZ RCRSZ7008SCZZ RDENT2122AXZZ RFILN2011SCZZ " RH-IX2129SCZZ RMOTZ2135AXZZ RMOTZ2137AXZZ RR-SZ3013SCZZ	1-46 10-533 10-535 10-532 10-531 13-180 1-38 16-901 11-29 11-30 11-31 11-32 10-189 10-198	AD AL AL AL AD BN BN AC AC AC	N N N	B B B B B
RCRSB0297AFZZ RCRSQ2109SCZZ RCRSQ2123AXZZ RCRSQ2124AXZZ RCRSQ2125AXZZ RCRSZ7006SCZZ RDENT2122AXZZ RFILN2011SCZZ " RH-IX2129SCZZ RMOTZ2137AXZZ RMOTZ2137AXZZ RR-SZ3013SCZZ	10-533 10-535 10-532 10-532 10-534 10-531 13-180 1-38 16-901 11-29 11-30 11-31 11-32 10-189 10-198	AD AL AL AL AD BN BN AC AC AC	N N N	B B B B E
RCRSQ2109SCZZ RCRSQ2123AXZZ RCRSQ2124AXZZ RCRSQ2125AXZZ RCRSQ2125AXZZ RDENT2122AXZZ RDENT2122AXZZ RHILN2011SCZZ RH-IX2129SCZZ RMOTZ2135AXZZ RMOTZ2137AXZZ RR-SZ3013SCZZ	10-535 10-532 10-534 10-531 13-180 1-38 16-901 11-29 11-30 11-31 11-32 10-189 10-198	AL AL AL AD BN BN AC AC AC	N N	B B B B
RCRSQ2123AXZZ RCRSQ2124AXZZ RCRSQ2125AXZZ RCRSZ7006SCZZ RDENT2122AXZZ RFILN2011SCZZ RH-IX2129SCZZ RMOTZ2135AXZZ RMOTZ2137AXZZ RH-SZ3013SCZZ	10-532 10-534 10-531 13-180 1-38 16-901 11-29 11-30 11-31 11-32 10-189 10-198	AL AL AD BN BN AC AC AC	N N	B B B
RCRSQ2124AXZZ RCRSQ2125AXZZ RCRSZ7008SCZZ RDENT2122AXZZ RFILN2011SCZZ RFILN2011SCZZ RH-IX2129SCZZ RMOTZ2135AXZZ RMOTZ2137AXZZ RH-SZ3013SCZZ	10-534 10-531 13-180 1-38 16-901 11-29 11-30 11-31 11-32 10-189 10-198	AL AD BN BN AC AC AC	N N	B B B E
RCRSQ2125AXZZ RCRSZ7006SCZZ RDENT2122AXZZ RFILN2011SCZZ RH-IX2129SCZZ RMOTZ2135AXZZ RMOTZ2137AXZZ RR-SZ3013SCZZ	10-531 13-180 1-38 16-901 11-29 11-30 11-31 11-32 10-189 10-198	AL AD BN BN AC AC AC	N	B B E
RCRSZ7008SCZZ RDENT2122AXZZ RFILN2011SCZZ " RH-IX2129SCZZ RMOTZ2135AXZZ RMOTZ2137AXZZ RR-SZ3013SCZZ	13-180 1-38 16-901 11-29 11-30 11-31 11-32 10-189 10-198	BN BN AC AC AC		E
RFILN2011SCZZ " RH-IX2129SCZZ RMOTZ2135AXZZ RMOTZ2137AXZZ RR-SZ3013SCZZ	16-901 11-29 11-30 11-31 11-32 10-189 10-198	BN AC AC AC		Ē
RH-IX2129SCZZ RMOTZ2135AXZZ RMOTZ2137AXZZ RH-SZ3013SCZZ	11-29 11-30 11-31 11-32 10-189 10-198	AC AC AC	N	
RH-IX2129SCZZ RMOTZ2135AXZZ RMOTZ2137AXZZ RH-SZ3013SCZZ	11-30 11-31 11-32 10-189 10-198	AC AC		
RMOTZ2135AXZZ RMOTZ2137AXZZ RR-SZ3013SCZZ	11-31 11-32 10-189 10-198	AC	1	С
RMOTZ2135AXZZ RMOTZ2137AXZZ RR-SZ3013SCZZ	11-32 10-189 10-198			С
RMOTZ2135AXZZ RMOTZ2137AXZZ RR-SZ3013SCZZ	10-189 10-198			C
RMOTZ2135AXZZ RMOTZ2137AXZZ RR-SZ3013SCZZ	10-198	AC		C
RMOTZ2137AXZZ RR-SZ3013SCZZ		AY		В
RMOTZ2137AXZZ RR-SZ3013SCZZ		AY	N	В
RR-SZ3013SCZZ	8-34	AZ AZ	N	В
"	13-89	AC	N	-
	13-89	AC	N	C
~	13-93	AC	N	č
,,	13-93	AC	N	C
RRLYD3221SCZZ	11-22	AN		В
RTRNZ2128XH01	11-65	AP		В
RUNTZ2021SCZZ	6-13	BF		В
[S]		+		
SPAKA220AAXZZ	9-7	AF	N	D
SPAKA221AAXZZ	9-8	AF	N	D
SPAKA222AAXZZ	9-9	AG	N	D
SPAKA223AAXZZ	9-10	AF	N	D
SPAKA393AAXZZ	9-4	AC	N	С
SPAKC225AAXZZ	9-11	AV	N	D
SPAKC249AAXZZ	9-11	AL	N	D
SPAKC324AAXZZ	9-11	AL	N	Ы
SPAKC367AAXZZ	9-11	AL	N	D
SPAKP4381AXZZ	9-12	AG		۵
SSAKA2008AXZZ	9-13	AA	N	Δ
SSAKA2344QCZZ	9-14	AB		D
SSAKA3001CCZZ	9-2	AA		D
SSAKA3340QCZZ	9-3	AB		Ы
П		 		
TCADZ2550AXZZ	9-15	AK	N	D
TCADZ2561AXZZ	9-25	AF	N	٥
TCADZ2588AXZZ	9-17	AB	N_	D
TCADZ2603AXZZ	9-17	AC	N N	PD
TCADZ2606AXZZ	9-15 9-23	AK	N	D
TCADZ2631AXZZ	9-23 9-18	AF	2	D -
TINSE3773AXZZ TINSE3796AXZZ	9-18 9-18	AF	N	D
	9-18 9-18	AF	N	D
TINSK3853AXZZ TINSK3865AXZZ	9-18	AE	N	Б
TLABG4602AXZZ	1-49	AB	N	<u> </u>
TLABG4602AXZZ TLABH4238AXZG	9-24	AC	N	6
TLABH4496AXSA	9-19	AC	N	5
TLABH4496AXSC	9-19	AC	N	Б
" LADI 1443UANSU	9-24	AC		D
TLABM4316AXZZ	9-16	AG	N	Ď
TLABM4537AXZZ	9-16	AG	N	D
TLABM4604AXZZ	9-10	AE	N	5
TLABN1235CCZZ	10-537	AA		D
TLABS4534SCZZ	1-50	AB	N	D
[U]		1 -		
UBATL0011FCZZ	10-1	AM		В
UDSKA2003SCZZ	9-20	AP	N	E
UDSKA2008SCZZ	9-20	AQ	N	E
[۷]				
VCCCTV1HH100D	10-56	AA		C
"	10-57	AA		С
"	10-99	AA		С
	10-100	AA		С
VCCCTV1HH101J	13-22	AA		С
"	13-31	AA		C
VCCCTV1HH102J	13-11	AA		C
	13-20	AA		C
	13-21	AA	_	С
"				
*	13-23	AA		C
~	13-27	AA		С
» »	13-27 13-29	AA AA		C
~	13-27	AA		С

PARTS CODE	No.	PRICE	NEW MARK	
VCCCTV1HH102J	13-33	AA	IVEN BY	C
"	13-39	AA		Č
"	13-40	AA		o
	13-42	AA_		Ç
	13-43 13-44	AA		C
	13-44	AA		C
VCCCTV1HH150J	10-34	AA		č
"	10-35	AA		C
"	10-69	AA		C
"	10-70	AA		č
	13-35 13-51	AA		C
VCCCTV1HH180J	10-45	AA		Ċ
"	10-46	AA		С
VCCCTV1HH220J	13-36	AA		C
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	13-37	AA		C
VCCCTV1HH330J	10-19 10-64	AA		C
VCCCTV1HH331J	13-5	AA		C
"	13-12	AA		С
VCCCTV1HH471J	13-6	AA		C
	13-7	AA		<u> </u>
VCCCTV1HH561J	13-24 13-25	AA		CC
	13-25	AA		c
	13-47	AA		C
VCCSTV1HL102J	10-68	AA		С
	10-79	AA		o
VCCSTV1HL331J	10-97 10-119	AA		C
VCCSTV1HL391J	10-119	AA		č
VCCSTV1HL471J	10-65	AC		C
VCCSTV1HL681J	10-81	AB		C
VCEAEA1CW106M	12-1	AC		С
"	12-2	AC		0
VCEAGA1CW107M VCEAGA1CW336M	13-3 10-9	AC AA		C
VCEAGA1CW336M	10-3	AB		č
"	10-3	AB		C
VCEAGA1EW226M	10-6	AB		C
VCEAGA1HW105M	10-7	AB		C
VCEAGA1HW107M	10-4 10-5	AA		c
	10-12	AA		Ċ
VCEAGA1HW225M	11-13	AA		С
VCEAGA1HW226M	11-17	AB		C
VCEAGA1HW336M	10-11	AB_		<u> </u>
VCEAGA1HW475M	10-8 11-7	AA	-	- c
,	11-10	AA		C
"	11-12	AA		С
"	11-20	AA		Ö
VCEAGA1HW476M	10-10	AB_		ြင
VCEAGU1VW107M VCEAPS476AF1C	13-1 15-1	AB		ပ
WOLACO-FOAFIO	15-2	AC		C
"	15-5	AC		С
VCEAZU1VJ108M	13-2	AG	N	Ç
VCKYPU1HB102K	11-5	AA		Š
	11-6 11-15	AA		C
"	11-16	ĀĀ		c
VCKYPU1HB103K	11-4	AA		C
VCKYPU1HB221K	11-14	AB		С
VCKYPU1HB222K	11-8	AA	ļ	Ç
"	11-11 11-21	AA		C
VCKYPU1HB332K	11-18	AA		C
VCKYPU1HF223Z	11-19	AA		С
VCKYTQ1HF104Z	10-14	AA		O (
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	10-80	AA		c
VCKYTV1CF105Z	10-13 10-17	AB		C
,	10-17	AB		C
"	10-40	AB		ပြ
"	10-66	AB		С
"	10-67	AB		C
" "	10-83	AB		C
	10-95	AB		С

PARTS CODE VCKYTV1CF105Z 10-96 AB C " 10-103 AB C " 10-112 AB C " 10-115 AB C " 10-115 AB C " 10-115 AB C " 10-235 AB C " 10-235 AB C " 10-236 AB C " 10-237 AB C VCKYTV1CF225Z 10-82 AD C " 13-8 AD C " 13-8 AD C " 13-16 AD C " 13-17 AD C C CVKYTV1EB104K 12-6 AA C " 10-18 AA C " 10-18 AA C VCKYTV1EF104Z 10-15 AA C " 10-33 AA C " 10-36 AA C " 10-37 AA C " 10-38 AA C " 10-37 AA C " 10-43 AA C " 10-43 AA C " 10-43 AA C " 10-43 AA C " 10-54 AA C " 10-50 AA C " 10-60 AA C " 10-76 AA C " 10-77 AA C " 10-78 AA C " 10-78 AA C " 10-79 AA C " 10-70 AA C " 10-			DDICE	NEW	DADT
VCKYTV1CF105Z	PARTS CODE	No.			
" 10-109 AB C C " 10-112 AB C C " 10-115 AB C C " 10-115 AB C C " 10-115 AB C C " 10-235 AB C C " 10-235 AB C C " 10-237 AB C C " 10-237 AB C C C " 10-86 AD C C " 13-8 AD C C " 13-16 AD C C " 13-16 AD C C " 13-16 AD C C " 13-16 AD C C " 13-16 AD C C " 13-17 AD C C " 13-16 AD C C C " 13-16 AD C C C C C C C C C C C C C C C C C C	VCKYTV1CF105Z	10-96			С
" 10-112 AB C " 10-115 AB C " 10-118 AB C " 10-235 AB C " 10-236 AB C " 10-237 AB C " 10-237 AB C " 10-237 AB C C VCKYTV1CF225Z 10-82 AD C " 13-8 AD C " 13-8 AD C " 13-16 AD C " 13-16 AD C " 13-17 AD C " 13-17 AD C C " 13-17 AD C C VCKYTV1EB104K 12-6 AA C VCKYTV1EF104Z 10-15 AA C C " 10-22 AA C C " 10-33 AA C C " 10-33 AA C C " 10-34 AA C C " 10-37 AA C C " 10-41 AA C C " 10-43 AA C C " 10-43 AA C C " 10-51 AA C C " 10-51 AA C C " 10-52 AA C C " 10-53 AA C C " 10-53 AA C C " 10-54 AA C C " 10-55 AA C C " 10-56 AA C C " 10-57 AA C C " 10-58 AA C C " 10-58 AA C C " 10-58 AA C C " 10-59 AA C C " 10-60 AA C C T 10-60 AA C C T 10-60 AA C C T 10-60 AA C C T 10-60 AA C C T 10-60 AA C C T 10-60 AA C C T 10-60 AA C C T 10-60 AA C C T 10-60 AA C C T 10-60 AA C C T 10-60 AA C C T 10-60 AA C C T 10-60 AA C C T 10-60 AA C C T 10-60 AA C C T 10-60 AA C C T 10-60 AA C C T 10-60	,				
" 10-115 AB C C " 10-235 AB C C " 10-236 AB C C " 10-237 AB C C " 10-237 AB C C C " 10-237 AB C C C " 10-237 AB C C C C C C C C C C C C C C C C C C					
" 10-118 AB C " 10-235 AB C " 10-236 AB C " 10-237 AB C " 10-237 AB C " 10-237 AB C " 10-237 AB C " 10-86 AD C " 13-8 AD C " 13-8 AD C " 13-16 AD C " 13-17 AD C " 13-17 AD C " 13-45 AD C VCKYTV1EB104K 12-6 AA C " 10-18 AA C " 10-18 AA C " 10-22 AA C " 10-32 AA C " 10-33 AA C " 10-33 AA C " 10-34 AA C " 10-36 AA C " 10-37 AA C " 10-38 AA C " 10-41 AA C " 10-41 AA C " 10-49 AA C " 10-50 AA C " 10-50 AA C " 10-50 AA C " 10-51 AA C " 10-52 AA C " 10-53 AA C C " 10-54 AA C C " 10-55 AA C C " 10-56 AA C C " 10-57 AA C C " 10-58 AA C C " 10-58 AA C C " 10-59 AA C C " 10-60 AA C C " 10-76 AA C C " 10-76 AA C C " 10-77 AA C C " 10-78 AA C C " 10-78 AA C C " 10-79 AA C C " 10-70 AA C C " 10-70 AA C C " 10-71 AA C C " 10-70 AA C C " 10-71 AA C C " 10-70 AA C C " 10-71 AA C C " 10-70 AA C C " 10-71 AA C C " 10-70 AA C C " 10-71 AA C C " 10-71 AA C C " 10-72 AA C C " 10-73 AA C C " 10-74 AA C C " 10-76 AA C C " 10-77 AA C C " 10-78 AA C C " 10-78 AA C C " 10-79 AA C C " 10-70 AA C C " 10-70 AA C C " 10-71 AA C C " 10-71 AA C C " 10-72 AA C C " 10-73 AA C C " 10-74 AA C C " 10-76 AA C C " 10-77 AA C C " 10-78 AA C C " 10-78 AA C C " 10-79 AA C C " 10-79 AA C C " 10-70 AA C C " 10-71 AA C C " 10-71 AA C C " 10-72 AA C C " 10-73 AA C C " 10-74 AA C C " 10-74 AA C C " 10-74 AA C C " 10-74 AA C C " 10-74 AA C C " 10-74 AA C C " 10-74 AA C C " 10-74 AA C C " 10-74 AA C C " 10-75 AA C C " 10-77 AA C C " 10-78 AA C C " 10-79 AA C C " 10-79 AA C C " 10-79 AA C C " 10-70 AA C C " 10-70 AA C C " 10-71 AA C C " 10-71 AA C C " 10-71 AA C C " 10-72 AA C C " 10-73 AA C C " 10-74 AA C C " 10-74 AA C C " 10-74 AA C C " 10-74 AA C C " 10-74 AA C C " 10-74 AA C C " 10-76 AA C C " 10-77 AA C C " 10-78 AA C C " 10-79 AA C C " 10-79 AA C C " 10-79 AA C C " 10-70 AA					
" 10-236 AB C " 10-237 AB C VCKYTV1CF225Z 10-82 AD C " 10-86 AD C " 13-8 AD C " 13-8 AD C " 13-16 AD C " 13-17 AD C " 13-17 AD C C " 13-17 AD C C VCKYTV1EB104K 12-6 AA C VCKYTV1EF104Z 10-15 AA C " 10-18 AA C " 10-18 AA C " 10-22 AA C " 10-33 AA C " 10-34 AA C " 10-33 AA C " 10-34 AA C " 10-35 AA C " 10-36 AA C " 10-38 AA C " 10-41 AA C " 10-41 AA C " 10-43 AA C " 10-43 AA C " 10-50 AA C " 10-50 AA C " 10-51 AA C " 10-52 AA C C " 10-53 AA C C " 10-53 AA C C " 10-54 AA C C " 10-56 AA C C " 10-57 AA C C " 10-58 AA C C " 10-58 AA C C " 10-71 AA C C " 10-76 AA C C " 10-76 AA C C " 10-78 AA C C " 10-78 AA C C " 10-79 AA C C " 10-70 AA C C " 10-70 AA C C " 10-71 AA C C " 10-71 AA C C " 10-72 AA C C " 10-73 AA C C C " 10-74 AA C C C " 10-75 AA C C C " 10-76 AA C C C " 10-77 AA C C C " 10-78 AA C C C " 10-78 AA C C C " 10-79 AA C C C " 10-70 AA C C C " 10-70 AA C C C " 10-71 AA C C C " 10-72 AA C C C C C C C C C C C C C C C C C C	"				
" 10-236 AB C C VCKYTV1CF225Z 10-82 AD C C " 13-86 AD C C " 13-8 AD C C " 13-16 AD C C " 13-16 AD C C " 13-17 AD C C " 13-17 AD C C " 13-17 AD C C " 13-17 AD C C VCKYTV1EB104K 12-6 AA C C VCKYTV1EF104Z 10-15 AA C C " 10-18 AA C C " 10-22 AA C C " 10-33 AA C C " 10-33 AA C C " 10-33 AA C C " 10-34 AA C C " 10-41 AA C C " 10-41 AA C C " 10-41 AA C C " 10-41 AA C C " 10-41 AA C C " 10-51 AA C C " 10-51 AA C C " 10-51 AA C C " 10-51 AA C C " 10-52 AA C C " 10-53 AA C C " 10-53 AA C C " 10-55 AA C C " 10-55 AA C C " 10-56 AA C C " 10-57 AA C C " 10-58 AA C C " 10-58 AA C C " 10-58 AA C C " 10-58 AA C C " 10-58 AA C C " 10-58 AA C C " 10-58 AA C C " 10-58 AA C C " 10-58 AA C C " 10-58 AA C C " 10-60 AA C C " 10-60 AA C C " 10-71 AA C C C " 10-71 AA C C C " 10-71 AA C C C " 10-71 AA C C C " 10-71 AA C C C " 10-71 AA C C C " 10-71 AA C C C " 10-71 AA C C C " 10-71 AA C C C " 10-71 AA C C C " 10-71 AA C C C C " 10-71 AA C C C C C C C C C C C C C C C C C C					
VCKYTV1CF225Z					
" 10-86 AD C " 13-8 AD C " 13-16 AD C " 13-17 AD C " 13-17 AD C " 13-45 AD C VCKYTV1EF104K 12-6 AA C VCKYTV1EF104Z 10-15 AA C " 10-18 AA C " 10-18 AA C " 10-22 AA C " 10-33 AA C " 10-33 AA C " 10-34 AA C " 10-37 AA C " 10-38 AA C " 10-39 AA C " 10-41 AA C " 10-43 AA C " 10-43 AA C " 10-49 AA C " 10-50 AA C " 10-51 AA C " 10-52 AA C C " 10-53 AA C C " 10-53 AA C C " 10-54 AA C C " 10-58 AA C C " 10-58 AA C C " 10-59 AA C C " 10-60 AA C C " 10-76 AA C C " 10-76 AA C C " 10-76 AA C C " 10-78 AA C C " 10-93 AA C C " 10-93 AA C C " 10-93 AA C C " 10-93 AA C C C " 10-93 AA C C C " 10-94 AA C C C " 10-95 AA C C C " 10-95 AA C C C " 10-96 AA C C C " 10-97 AA C C C C C C C C C C C C C C C C C C					
" 13-16 AD C " 13-17 AD C " 13-45 AD C VCKYTV1EB104K 12-6 AA C VCKYTV1EF104Z 10-15 AA C " 10-16 AA C " 10-18 AA C " 10-22 AA C " 10-32 AA C " 10-33 AA C " 10-33 AA C " 10-37 AA C " 10-38 AA C " 10-41 AA C " 10-41 AA C " 10-49 AA C " 10-50 AA C " 10-50 AA C " 10-50 AA C C " 10-50 AA C C " 10-50 AA C C " 10-51 AA C C " 10-52 AA C C " 10-53 AA C C " 10-54 AA C C " 10-55 AA C C " 10-56 AA C C " 10-57 AA C C " 10-71 AA C C " 10-76 AA C C " 10-76 AA C C " 10-76 AA C C " 10-84 AA C C " 10-87 AA C C " 10-87 AA C C " 10-80 AA C C C " 10-70 AA C C C " 10-71 AA C C C " 10-75 AA C C C " 10-76 AA C C C " 10-76 AA C C C " 10-77 AA C C C " 10-80 AA C C C " 10-80 AA C C C C " 10-80 AA C C C C C C C C C C C C C C C C C C	WORTH VIOLEZUZ				
" 13-17 AD C VCKYTV1EB104K 12-6 AA C VCKYTV1EF104Z 10-15 AA C " 10-18 AA C " 10-22 AA C " 10-32 AA C " 10-33 AA C " 10-36 AA C " 10-37 AA C " 10-38 AA C " 10-41 AA C " 10-41 AA C " 10-43 AA C " 10-49 AA C " 10-50 AA C " 10-51 AA C " 10-50 AA C " 10-51 AA C " 10-51 AA C C " 10-51 AA C C " 10-52 AA C C " 10-53 AA C C " 10-51 AA C C " 10-51 AA C C " 10-52 AA C C " 10-53 AA C C " 10-54 AA C C " 10-56 AA C C " 10-57 AA C C " 10-58 AA C C " 10-58 AA C C " 10-59 AA C C " 10-50 AA C C " 10-50 AA C C " 10-51 AA C C C " 10-52 AA C C C " 10-53 AA C C C " 10-54 AA C C C " 10-55 AA C C C " 10-56 AA C C C " 10-77 AA C C C " 10-78 AA C C C " 10-78 AA C C C " 10-78 AA C C C " 10-84 AA C C C " 10-84 AA C C C C C C C C C C C C C C C C C C	,				
" 13-45 AD C VCKYTV1EB104K 12-6 AA C VCKYTV1EF104Z 10-15 AA C " 10-18 AA C " 10-22 AA C " 10-32 AA C " 10-36 AA C " 10-36 AA C " 10-38 AA C " 10-38 AA C " 10-41 AA C " 10-43 AA C " 10-49 AA C " 10-50 AA C " 10-51 AA C " 10-52 AA C " 10-53 AA C " 10-54 AA C " 10-58 AA C " 10-58 AA C	,,				
VCKYTV1EB104K 12-6 AA C VCKYTV1EF104Z 10-15 AA C " 10-16 AA C " 10-18 AA C " 10-32 AA C " 10-33 AA C " 10-33 AA C " 10-37 AA C " 10-38 AA C " 10-41 AA C " 10-43 AA C " 10-49 AA C " 10-50 AA C " 10-51 AA C " 10-52 AA C " 10-53 AA C " 10-53 AA C " 10-54 AA C " 10-53 AA C " 10-54 AA C					
VCKYTV1EF104Z 10-15 AA C " 10-16 AA C " 10-22 AA C " 10-32 AA C " 10-33 AA C " 10-36 AA C " 10-38 AA C " 10-41 AA C " 10-43 AA C " 10-43 AA C " 10-49 AA C " 10-50 AA C " 10-51 AA C " 10-53 AA C " 10-53 AA C " 10-53 AA C " 10-54 AA C " 10-55 AA C " 10-58 AA C " 10-71 AA C "	VCKYTV1EB104K		_		
" 10-18 AA C " 10-22 AA C " 10-32 AA C " 10-33 AA C " 10-36 AA C " 10-37 AA C " 10-38 AA C " 10-41 AA C " 10-41 AA C " 10-49 AA C " 10-50 AA C " 10-51 AA C " 10-52 AA C " 10-53 AA C " 10-53 AA C " 10-53 AA C C " 10-53 AA C C " 10-54 AA C C " 10-55 AA C C " 10-57 AA C C " 10-58 AA C C " 10-60 AA C C " 10-75 AA C C " 10-76 AA C C " 10-76 AA C C " 10-78 AA C C " 10-88 AA C C " 10-88 AA C C " 10-93 AA C C " 10-94 AA C C " 10-94 AA C C " 10-93 AA C C " 10-94 AA C C " 10-94 AA C C " 10-95 AA C C C " 10-104 AA C C C " 10-104 AA C C C " 10-104 AA C C C " 10-104 AA C C C C C C C C C C C C C C C C C C					
" 10-22 AA C " 10-32 AA C " 10-32 AA C " 10-36 AA C " 10-37 AA C " 10-41 AA C " 10-41 AA C " 10-43 AA C " 10-49 AA C " 10-50 AA C " 10-50 AA C " 10-52 AA C " 10-52 AA C " 10-53 AA C " 10-53 AA C " 10-53 AA C " 10-54 AA C " 10-55 AA C " 10-58 AA C " 10-58 AA C " 10-75 AA C " 10-76 AA C " 10-76 AA C " 10-76 AA C " 10-78 AA C C " 10-84 AA C C " 10-84 AA C C " 10-84 AA C C " 10-84 AA C C C " 10-75 AA C C " 10-75 AA C C " 10-75 AA C C " 10-76 AA C C " 10-78 AA C C " 10-84 AA C C " 10-84 AA C C " 10-84 AA C C C " 10-93 AA C C " 10-93 AA C C C " 10-102 AA C C C " 10-104 AA C C C " 10-105 AA C C C C " 10-106 AA C C C C C C C C C C C C C C C C C C					
" 10-32 AA C " 10-33 AA C " 10-36 AA C " 10-37 AA C " 10-38 AA C " 10-41 AA C " 10-41 AA C " 10-48 AA C " 10-49 AA C " 10-50 AA C " 10-51 AA C " 10-51 AA C " 10-52 AA C " 10-53 AA C " 10-53 AA C " 10-53 AA C " 10-55 AA C " 10-58 AA C " 10-58 AA C " 10-60 AA C " 10-71 AA C " 10-71 AA C " 10-76 AA C " 10-78 AA C " 10-88 AA C " 10-88 AA C " 10-88 AA C " 10-93 AA C " 10-94 AA C " 10-94 AA C C " 10-102 AA C C " 10-104 AA C C " 10-105 AA C C " 10-106 AA C C " 10-107 AA C C " 10-107 AA C C " 10-108 AA C C C " 10-107 AA C C C " 10-108 AA C C C " 10-108 AA C C C C C 10-108 AA C C C C 10-108 AA C C C C 10-108 AA C C C C 10-108 AA C C C C 10-108 AA C C C C 10-108 AA C C C C 10-108 AA C C C C 10-108 AA C C C C 10-108 AA C C C C 10-108 AA C C C C 10-108 AA C C C C 10-108 AA C C C C 10-108 AA C C C C 10-108 AA C C C C 10-108 AA C C C C 10-108 AA C C C C 10-108 AA C C C C 10-118 AA C C C C 10-119 AA C C C C 10-119 AA C C C C 10-129 AA C C C 10-129 AA C C C 10-129 AA C C C 10-129 AA C C C 10-129 AA C C C 10-129 AA C C C 10-129 AA C C C 10-129 AA C C C 10-129 AA C C C 10-129 AA C C C 10-129 AA C C C 10-131 AA C C C 10-131 AA C C					
" 10-36 AA C " 10-37 AA C " 10-38 AA C " 10-41 AA C " 10-43 AA C " 10-49 AA C " 10-50 AA C " 10-51 AA C " 10-52 AA C " 10-53 AA C " 10-53 AA C " 10-54 AA C " 10-55 AA C " 10-58 AA C " 10-58 AA C " 10-60 AA C " 10-75 AA C " 10-76 AA C " 10-76 AA C " 10-78 AA C " 10-88 AA C " 10-88 AA C " 10-93 AA C " 10-93 AA C " 10-94 AA C " 10-94 AA C " 10-94 AA C " 10-94 AA C " 10-94 AA C " 10-94 AA C " 10-102 AA C " 10-104 AA C " 10-104 AA C C " 10-105 AA C C " 10-106 AA C C " 10-107 AA C C " 10-108 AA C C C " 10-108 AA C C C " 10-109 AA C C C " 10-109 AA C C C " 10-109 AA C C C C C C C C C C C C C C C C C C	, ,				
" 10-37 AA C " 10-38 AA C " 10-41 AA C " 10-43 AA C " 10-49 AA C " 10-50 AA C " 10-51 AA C " 10-52 AA C " 10-53 AA C " 10-53 AA C " 10-53 AA C " 10-55 AA C " 10-58 AA C " 10-58 AA C " 10-71 AA C " 10-71 AA C " 10-71 AA C " 10-75 AA C " 10-76 AA C " 10-78 AA C " 10-78 AA C " 10-84 AA C C " 10-84 AA C C " 10-84 AA C C " 10-84 AA C C " 10-84 AA C C " 10-85 AA C C " 10-75 AA C C " 10-76 AA C C " 10-76 AA C C " 10-84 AA C C " 10-84 AA C C " 10-84 AA C C " 10-93 AA C C " 10-93 AA C C " 10-94 AA C C " 10-94 AA C C " 10-102 AA C C " 10-104 AA C C " 10-105 AA C C " 10-106 AA C C " 10-107 AA C C " 10-108 AA C C C " 10-111 AA C C C " 10-111 AA C C C " 10-111 AA C C C " 10-111 AA C C C " 10-112 AA C C C " 10-113 AA C C C " 10-114 AA C C C " 10-117 AA C C C " 10-117 AA C C C " 10-118 AA C C C " 10-129 AA C C C " 10-29 AA C C C " 10-29 AA C C C " 10-29 AA C C C " 10-121 AA C C C " 10-121 AA C C C " 10-122 AA C C C " 10-123 AA C C C " 10-124 AA C C C " 10-125 AA C C C " 10-127 AA C C C " 10-127 AA C C C " 10-128 AA C C C " 10-127 AA C C C " 10-128 AA C C C " 10-127 AA C C C " 10-128 AA C C C " 10-127 AA C C C " 10-128 AA C C C " 10-128 AA C C C " 10-128 AA C C C " 10-129 AA C C C " 10-129 AA C C C " 10-120 AA C C " 10-121 AA C C C " 10-122 AA C C C " 10-124 AA C C C " 10-125 AA C C C " 10-127 AA C C C " 10-128 AA C C C " 10-129 AA C C C " 10-129 AA C C C " 10-129 AA C C T T 10-130 AA C C T T 10-131 AA C C	"	10-33	AA		
" 10-38 AA C " 10-41 AA C " 10-43 AA C " 10-48 AA C " 10-49 AA C " 10-50 AA C " 10-51 AA C " 10-52 AA C " 10-53 AA C " 10-55 AA C " 10-55 AA C " 10-58 AA C " 10-58 AA C " 10-60 AA C " 10-70 AA C " 10-70 AA C " 10-71 AA C " 10-72 AA C " 10-84 AA C " 10-84 AA C " 10-84 AA C C " 10-84 AA C C " 10-84 AA C C " 10-84 AA C C " 10-84 AA C C " 10-84 AA C C " 10-84 AA C C " 10-84 AA C C " 10-93 AA C C " 10-93 AA C C " 10-94 AA C C " 10-104 AA C C " 10-105 AA C C C " 10-106 AA C C C " 10-107 AA C C C " 10-108 AA C C C C " 10-108 AA C C C C C C C C C C C C C C C C C C					
" 10-41 AA C " 10-43 AA C " 10-48 AA C " 10-49 AA C " 10-50 AA C " 10-51 AA C " 10-52 AA C " 10-53 AA C " 10-53 AA C " 10-54 AA C " 10-55 AA C " 10-56 AA C " 10-57 AA C " 10-60 AA C " 10-71 AA C " 10-75 AA C " 10-76 AA C " 10-78 AA C " 10-88 AA C " 10-88 AA C " 10-88 AA C " 10-93 AA C " 10-93 AA C " 10-93 AA C C " 10-94 AA C C " 10-95 AA C C " 10-104 AA C C " 10-104 AA C C " 10-104 AA C C " 10-105 AA C C " 10-106 AA C C C " 10-107 AA C C C " 10-108 AA C C C " 10-108 AA C C C C " 10-108 AA C C C C C C C C C C C C C C C C C C					
" 10-43 AA C " 10-48 AA C " 10-49 AA C " 10-50 AA C " 10-51 AA C " 10-52 AA C " 10-53 AA C " 10-53 AA C " 10-55 AA C " 10-56 AA C " 10-58 AA C " 10-71 AA C " 10-71 AA C " 10-75 AA C " 10-76 AA C " 10-76 AA C " 10-88 AA C " 10-88 AA C " 10-98 AA C " 10-98 AA C " 10-98 AA C C " 10-90 AA C C " 10-104 AA C C " 10-104 AA C C " 10-105 AA C C " 10-105 AA C C C " 10-106 AA C C C " 10-107 AA C C C C C C C C C C C C C C C C C C					
" 10-49 AA C " 10-50 AA C " 10-51 AA C " 10-52 AA C " 10-53 AA C " 10-55 AA C " 10-55 AA C " 10-58 AA C " 10-60 AA C " 10-71 AA C " 10-75 AA C " 10-76 AA C " 10-76 AA C " 10-84 AA C " 10-84 AA C " 10-84 AA C " 10-84 AA C " 10-84 AA C " 10-87 AA C " 10-88 AA C " 10-93 AA C " 10-93 AA C " 10-94 AA C " 10-94 AA C " 10-102 AA C " 10-104 AA C " 10-105 AA C C " 10-105 AA C C " 10-106 AA C C " 10-107 AA C C " 10-108 AA C C " 10-108 AA C C " 10-108 AA C C C " 10-108 AA C C C " 10-108 AA C C C " 10-108 AA C C C " 10-108 AA C C C " 10-108 AA C C C " 10-108 AA C C C " 10-111 AA C C C " 10-111 AA C C C C T 10-112 AA C C C C T 10-114 AA C C C T 10-115 AA C C C T 10-116 AA C C T 10-117 AA C C T 10-118 AA C C T 10-119 AA C C T 10-119 AA C C T 10-110 AA C C T 10-111 AA C C T 10-111 AA C C T 10-112 AA C C T 10-123 AA C C T 10-124 AA C C T 10-125 AA C C T 10-125 AA C C T 10-126 AA C C T 10-127 AA C C T 10-128 AA C C T 10-128 AA C C T 10-129 AA C C T 10-129 AA C T 10-129 AA C C T 10-129 AA C C T 10-129 AA C C T 10-129 AA C C T 10-129 AA C C T 10-129 AA C C T 10-129 AA C C T 10-129 AA C C T 10-129 AA C C T 10-129 AA C C T 10-129 AA C C T 10-129 AA C C T 10-129 AA C C T 10-129 AA C C T 10-130 AA C C T 10-130 AA C C T 10-131 AA C C T 10-131 AA C C		10-43	AA		С
" 10-50 AA C " 10-51 AA C " 10-52 AA C " 10-53 AA C " 10-54 AA C " 10-55 AA C " 10-58 AA C " 10-60 AA C " 10-71 AA C " 10-75 AA C " 10-76 AA C " 10-76 AA C " 10-84 AA C " 10-84 AA C " 10-84 AA C " 10-88 AA C " 10-93 AA C " 10-93 AA C " 10-93 AA C " 10-93 AA C " 10-94 AA C " 10-102 AA C " 10-104 AA C C " 10-105 AA C C " 10-106 AA C C " 10-107 AA C C " 10-107 AA C C " 10-108 AA C C C " 10-108 AA C C C " 10-108 AA C C C " 10-108 AA C C C " 10-108 AA C C C " 10-108 AA C C C " 10-108 AA C C C C " 10-108 AA C C C C " 10-108 AA C C C C C C C C C C C C C C C C C C					
" 10-51 AA C " 10-52 AA C " 10-53 AA C " 10-54 AA C " 10-55 AA C " 10-58 AA C " 10-60 AA C " 10-71 AA C " 10-71 AA C " 10-76 AA C " 10-76 AA C " 10-84 AA C " 10-84 AA C " 10-84 AA C " 10-84 AA C " 10-87 AA C " 10-88 AA C " 10-93 AA C " 10-93 AA C " 10-93 AA C " 10-94 AA C " 10-94 AA C " 10-102 AA C " 10-104 AA C C " 10-105 AA C C " 10-106 AA C C " 10-107 AA C C " 10-108 AA C C C " 10-108 AA C C C " 10-108 AA C C C " 10-108 AA C C C " 10-108 AA C C C " 10-108 AA C C C " 10-108 AA C C C " 10-108 AA C C C " 10-108 AA C C C " 10-108 AA C C C " 10-111 AA C C C C C C C C C C C C C C C C C C					
" 10-52 AA C " 10-53 AA C " 10-54 AA C " 10-55 AA C " 10-58 AA C " 10-60 AA C " 10-71 AA C " 10-75 AA C " 10-76 AA C " 10-78 AA C " 10-84 AA C " 10-84 AA C " 10-87 AA C " 10-88 AA C " 10-93 AA C " 10-93 AA C " 10-94 AA C " 10-102 AA C " 10-102 AA C " 10-104 AA C C " 10-105 AA C C " 10-106 AA C C " 10-107 AA C C C " 10-107 AA C C C C C C C C C C C C C C C C C C					
" 10-54 AA C " 10-55 AA C " 10-58 AA C " 10-60 AA C " 10-71 AA C " 10-75 AA C " 10-76 AA C " 10-76 AA C " 10-84 AA C " 10-84 AA C " 10-88 AA C " 10-93 AA C " 10-93 AA C " 10-93 AA C " 10-102 AA C " 10-102 AA C " 10-105 AA C C " 10-106 AA C C " 10-107 AA C C " 10-107 AA C C C " 10-108 AA C C C " 10-108 AA C C C " 10-108 AA C C C " 10-108 AA C C C " 10-108 AA C C C C T 10-108 AA C C C T 10-108 AA C C C T 10-108 AA C C C T 10-108 AA C C C T 10-108 AA C C C T 10-108 AA C C C T 10-108 AA C C C T 10-111 AA C C C T 10-111 AA C C C T 10-114 AA C C T 10-115 AA C C T 10-117 AA C C T 10-118 AA C C T 10-119 AA C C T 10-119 AA C C T 10-119 AA C C T 10-119 AA C C T 10-119 AA C C T 10-119 AA C C T 10-120 AA C C T 10-121 AA C C T 10-122 AA C C T 10-123 AA C C T 10-124 AA C C T 10-125 AA C C T 10-126 AA C C T 10-127 AA C C T 10-128 AA C C T 10-129 AA C C T 10-129 AA C C T 10-129 AA C C T 10-129 AA C T 10-129 AA C C T 10-129 AA C C T 10-129 AA C C T 10-129 AA C T 10-129 AA C C T 10-129 AA C C T 10-129 AA C C T 10-129 AA C C T 10-129 AA C C T 10-129 AA C C T 10-129 AA C C T 10-130 AA C C T 10-130 AA C C T 10-130 AA C C T 10-130 AA C C T 10-130 AA C C T 10-130 AA C C T 10-130 AA C C T 10-130 AA C C T 10-130 AA C C T 10-131 AA C C	"		_		
" 10-55 AA C " 10-60 AA C " 10-71 AA C " 10-75 AA C " 10-76 AA C " 10-78 AA C " 10-84 AA C " 10-88 AA C " 10-93 AA C " 10-93 AA C " 10-93 AA C " 10-102 AA C " 10-105 AA C " 10-105 AA C C " 10-106 AA C C " 10-107 AA C C " 10-107 AA C C " 10-108 AA C C " 10-108 AA C C " 10-108 AA C C C " 10-108 AA C C C " 10-108 AA C C C " 10-108 AA C C C " 10-108 AA C C C C T 10-108 AA C C C T 10-108 AA C C C T 10-108 AA C C C T 10-108 AA C C C T 10-108 AA C C C T 10-111 AA C C T 10-111 AA C C T 10-113 AA C C C T 10-114 AA C C T 10-117 AA C C T 10-118 AA C C T 10-119 AA C C T 10-119 AA C C T 10-120 AA C C T 10-28 AA C C T 10-29 AA C C T 10-120 AA C C T 10-121 AA C C T 10-121 AA C C T 10-122 AA C C T 10-123 AA C C T 10-124 AA C C T 10-125 AA C C T 10-126 AA C C T 10-127 AA C C T 10-128 AA C C T 10-129 AA C C T 10-129 AA C C T 10-129 AA C C T 10-129 AA C C T 10-129 AA C C T 10-129 AA C C T 10-129 AA C T 10-129 AA C C T 10-129 AA C C T 10-129 AA C C T 10-129 AA C T 10-129 AA C T 10-129 AA C T 10-129 AA C T 10-129 AA C T 10-129 AA C T 10-129 AA C T 10-129 AA C T 10-129 AA C T 10-129 AA C T 10-129 AA C T 10-129 AA C T 10-129 AA C T 10-130 AA C T 10-130 AA C T 10-130 AA C T 10-130 AA C T 10-131 AA					_
" 10-58 AA C " 10-60 AA C " 10-71 AA C " 10-75 AA C " 10-75 AA C " 10-78 AA C " 10-84 AA C " 10-88 AA C " 10-93 AA C " 10-93 AA C " 10-94 AA C " 10-102 AA C " 10-102 AA C " 10-105 AA C " 10-105 AA C C " 10-106 AA C C " 10-107 AA C C " 10-107 AA C C C " 10-107 AA C C C C C C C C C C C C C C C C C C					
" 10-60 AA C " 10-71 AA C " 10-75 AA C " 10-75 AA C " 10-78 AA C " 10-84 AA C " 10-87 AA C " 10-88 AA C " 10-93 AA C " 10-94 AA C " 10-102 AA C " 10-102 AA C " 10-104 AA C " 10-105 AA C " 10-105 AA C C " 10-106 AA C C " 10-110 AA C C " 10-111 AA C C " 10-111 AA C C " 10-113 AA C C C C C C C C C C C C C C C C C C					
" 10-75 AA C " 10-76 AA C " 10-84 AA C " 10-87 AA C " 10-88 AA C " 10-93 AA C " 10-93 AA C " 10-94 AA C " 10-94 AA C " 10-102 AA C " 10-104 AA C " 10-105 AA C " 10-106 AA C " 10-107 AA C " 10-110 AA C " 10-111 AA C " 10-111 AA C C " 10-114 AA C C " 10-115 AA C C " 10-116 AA C C " 10-117 AA C C C C C C C C C C C C C C C C C C					
" 10-76 AA C " 10-84 AA C " 10-84 AA C " 10-88 AA C " 10-93 AA C " 10-93 AA C " 10-94 AA C " 10-98 AA C " 10-102 AA C " 10-105 AA C " 10-105 AA C " 10-106 AA C " 10-107 AA C " 10-111 AA C " 10-111 AA C " 10-111 AA C C " 10-111 AA C C " 10-114 AA C C " 10-115 AA C C " 10-116 AA C C " 10-117 AA C C C " 10-118 AA C C " 10-119 AA C C " 10-110 AA C C " 10-110 AA C C " 10-111 AA C C " 10-111 AA C C " 10-111 AA C C " 10-111 AA C C " 10-111 AA C C " 10-111 AA C C " 10-111 AA C C " 10-111 AA C C C " 10-111 AA C C C T T T T T T T T T T T T T T T T T	,	10-71	AA		
" 10-78 AA C " 10-84 AA C " 10-87 AA C " 10-88 AA C " 10-93 AA C " 10-93 AA C " 10-98 AA C " 10-102 AA C " 10-105 AA C " 10-106 AA C " 10-106 AA C " 10-107 AA C " 10-110 AA C " 10-111 AA C " 10-111 AA C " 10-114 AA C C " 10-115 AA C C " 10-117 AA C C " 10-118 AA C C " 10-119 AA C C " 10-119 AA C C " 10-110 AA C C " 10-111 AA C C " 10-111 AA C C " 10-112 AA C C " 10-25 AA C C " 10-28 AA C C " 10-29 AA C C " 10-29 AA C C " 10-108 AA C C " 10-108 AA C C " 10-109 AA C C " 10-120 AA C C " 10-121 AA C C " 10-121 AA C C " 10-122 AA C C " 10-123 AA C C " 10-124 AA C C " 10-125 AA C C " 10-126 AA C C " 10-127 AA C C " 10-128 AA C C C " 10-129 AA C C " 10-120 AA C C " 10-121 AA C C C " 10-122 AA C C C " 10-123 AA C C C " 10-124 AA C C C " 10-125 AA C C C " 10-127 AA C C C " 10-128 AA C C C " 10-129 AA C C C " 10-129 AA C C C " 10-129 AA C C " 10-129 AA C C " 10-129 AA C C " 10-129 AA C C " 10-129 AA C C " 10-129 AA C C " 10-129 AA C C " 10-129 AA C C " 10-130 AA C C " 10-130 AA C C " 10-130 AA C C " 10-130 AA C C " 10-130 AA C C " 10-130 AA C C " 10-130 AA C C					
" 10-84 AA C " 10-87 AA C " 10-93 AA C " 10-93 AA C " 10-98 AA C " 10-102 AA C " 10-104 AA C " 10-105 AA C " 10-106 AA C " 10-106 AA C " 10-107 AA C " 10-110 AA C " 10-111 AA C " 10-111 AA C " 10-114 AA C C " 10-115 AA C C " 10-123 AA C C " 10-25 AA C C " 10-28 AA C C " 10-28 AA C C C " 10-29 AA C C C " 10-28 AA C C C C C C C C C C C C C C C C C C					
" 10-87 AA C " 10-88 AA C " 10-93 AA C " 10-94 AA C " 10-98 AA C " 10-102 AA C " 10-102 AA C " 10-105 AA C " 10-106 AA C " 10-106 AA C " 10-110 AA C " 10-111 AA C " 10-111 AA C " 10-111 AA C C " 10-113 AA C C " 10-114 AA C C " 10-115 AA C C " 10-120 AA C C " 10-121 AA C C C CVCKYTV1HB102K 10-25 AA C C C C C C C C C C C C C C C C C C				_	
" 10-93 AA C " 10-94 AA C " 10-98 AA C " 10-102 AA C " 10-105 AA C " 10-105 AA C " 10-106 AA C " 10-107 AA C " 10-111 AA C " 10-111 AA C " 10-113 AA C " 10-114 AA C C " 10-115 AA C C " 10-117 AA C C " 10-118 AA C C " 10-119 AA C C " 10-120 AA C C " 10-22 AA C C " 10-28 AA C C " 10-29 AA C C " 10-120 AA C C " 10-121 AA C C C " 10-122 AA C C C " 10-124 AA C C C C C C C C C C C C C C C C C C					
" 10-94 AA C " 10-98 AA C " 10-102 AA C " 10-105 AA C " 10-106 AA C " 10-106 AA C " 10-107 AA C " 10-110 AA C " 10-111 AA C " 10-111 AA C " 10-113 AA C C " 10-114 AA C C " 10-116 AA C C " 10-117 AA C C " 10-117 AA C C " 10-118 AA C C " 10-119 AA C C " 10-110 AA C C " 10-110 AA C C " 10-111 AA C C " 10-111 AA C C " 10-111 AA C C C " 10-111 AA C C C " 10-111 AA C C C C C C C C C C C C C C C C C C					
" 10-98 AA C " 10-102 AA C " 10-104 AA C " 10-106 AA C " 10-106 AA C " 10-110 AA C " 10-110 AA C " 10-111 AA C " 10-111 AA C " 10-114 AA C " 10-115 AA C C " 10-117 AA C C " 10-118 AA C C " 10-119 AA C C " 10-120 AA C C " 10-28 AA C C " 10-28 AA C C " 10-29 AA C C " 10-29 AA C C " 10-120 AA C C " 10-121 AA C C C " 10-121 AA C C C C C C C C C C C C C C C C C C					
" 10-104 AA C " 10-105 AA C " 10-106 AA C " 10-107 AA C " 10-111 AA C " 10-111 AA C " 10-113 AA C " 10-114 AA C " 10-114 AA C " 10-116 AA C " 10-117 AA C " 10-117 AA C C " 10-118 AA C C " 10-119 AA C C " 10-28 AA C C " 10-28 AA C C " 10-29 AA C C " 10-29 AA C C " 10-29 AA C C " 10-120 AA C C " 10-121 AA C C " 10-122 AA C C " 10-123 AA C C " 10-124 AA C C " 10-125 AA C C C " 10-126 AA C C C " 10-127 AA C C C C C C C C C C C C C C C C C C	<u>"</u>				
" 10-105 AA C " 10-106 AA C " 10-107 AA C " 10-111 AA C " 10-113 AA C " 10-113 AA C " 10-114 AA C " 10-116 AA C " 10-117 AA C " 10-117 AA C C " 10-118 AA C C " 10-118 AA C C " 10-119 AA C C " 10-29 AA C C " 10-29 AA C C " 10-29 AA C C " 10-120 AA C C " 10-120 AA C C " 10-121 AA C C C " 10-121 AA C C C C C C C C C C C C C C C C C C	,	10-102			
" 10-106 AA C " 10-107 AA C " 10-110 AA C " 10-111 AA C " 10-113 AA C " 10-114 AA C " 10-116 AA C " 10-117 AA C " 10-117 AA C " 10-117 AA C C " 10-128 AA C " 10-28 AA C " 10-28 AA C " 10-29 AA C " 10-29 AA C " 10-120 AA C " 10-121 AA C " 10-121 AA C C " 10-121 AA C C " 10-122 AA C C " 10-123 AA C C C " 10-124 AA C C C C C C C C C C C C C C C C C C					
" 10-107 AA C " 10-110 AA C " 10-111 AA C " 10-113 AA C " 10-114 AA C " 10-116 AA C " 10-117 AA C " 10-117 AA C " 10-117 AA C " 10-117 AA C C " 10-23 AA C C VCKYTV1HB102K 10-25 AA C " 10-26 AA C " 10-28 AA C " 10-29 AA C " 10-29 AA C " 10-29 AA C " 10-108 AA C " 10-108 AA C " 10-120 AA C " 10-121 AA C " 10-121 AA C " 10-122 AA C " 10-123 AA C " 10-124 AA C " 10-125 AA C " 10-126 AA C C " 10-127 AA C C " 10-128 AA C C " 10-129 AA C C " 10-127 AA C C " 10-128 AA C C " 10-129 AA C C " 10-129 AA C C " 10-129 AA C C " 10-129 AA C C " 10-129 AA C C " 10-129 AA C C " 10-130 AA C C " 10-130 AA C C " 10-130 AA C C " 10-130 AA C					_
" 10-110 AA C " 10-111 AA C " 10-113 AA C " 10-114 AA C " 10-116 AA C " 10-116 AA C " 10-117 AA C " 10-117 AA C " 12-3 AA C " 12-4 AA C C VCKYTV1HB102K 10-25 AA C " 10-26 AA C " 10-27 AA C " 10-28 AA C " 10-29 AA C " 10-29 AA C " 10-120 AA C " 10-121 AA C " 10-121 AA C " 10-122 AA C " 10-123 AA C " 10-124 AA C " 10-125 AA C C " 10-127 AA C C " 10-128 AA C C " 10-129 AA C C " 10-120 AA C C " 10-121 AA C C " 10-121 AA C C " 10-122 AA C C " 10-123 AA C C " 10-124 AA C C " 10-125 AA C C " 10-126 AA C C " 10-127 AA C C " 10-128 AA C C " 10-129 AA C C " 10-129 AA C C " 10-129 AA C C " 10-129 AA C C " 10-129 AA C C " 10-129 AA C C " 10-129 AA C C " 10-129 AA C C " 10-129 AA C C " 10-129 AA C C " 10-129 AA C C " 10-130 AA C	,,				
" 10-113 AA C " 10-114 AA C " 10-116 AA C " 10-117 AA C " 12-3 AA C " 12-4 AA C " 12-2 AA C " 10-28 AA C " 10-28 AA C " 10-29 AA C " 10-29 AA C " 10-108 AA C " 10-108 AA C " 10-120 AA C " 10-121 AA C " 10-122 AA C " 10-123 AA C " 10-124 AA C " 10-125 AA C " 10-127 AA C C " 10-127 AA C C " 10-128 AA C C " 10-129 AA C C " 10-120 AA C C " 10-121 AA C C " 10-121 AA C C " 10-122 AA C C " 10-123 AA C C " 10-124 AA C C " 10-125 AA C C " 10-126 AA C C " 10-127 AA C C " 10-128 AA C C " 10-129 AA C C " 10-129 AA C C " 10-129 AA C C " 10-129 AA C C " 10-129 AA C C " 10-129 AA C C " 10-129 AA C C " 10-130 AA C C " 10-130 AA C	"	10-110	AA		С
" 10-114 AA C " 10-116 AA C " 10-117 AA C " 12-3 AA C " 10-25 AA C " 10-26 AA C " 10-27 AA C " 10-28 AA C " 10-29 AA C " 10-29 AA C " 10-108 AA C " 10-120 AA C " 10-121 AA C " 10-121 AA C " 10-122 AA C " 10-123 AA C " 10-124 AA C " 10-125 AA C C " 10-127 AA C C " 10-127 AA C C C " 10-120 AA C C C " 10-121 AA C C C C C C C C C C C C C C C C C C	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
" 10-116 AA C " 10-117 AA C " 12-3 AA C " 12-4 AA C VCKYTV1HB102K 10-25 AA C " 10-26 AA C " 10-27 AA C " 10-28 AA C " 10-28 AA C " 10-29 AA C " 10-29 AA C " 10-108 AA C " 10-108 AA C " 10-120 AA C " 10-121 AA C " 10-122 AA C " 10-123 AA C " 10-124 AA C " 10-125 AA C " 10-125 AA C " 10-126 AA C " 10-127 AA C " 10-127 AA C " 10-128 AA C " 10-128 AA C " 10-129 AA C " 10-129 AA C " 10-129 AA C " 10-129 AA C " 10-129 AA C " 10-129 AA C " 10-130 AA C " 10-130 AA C					
" 10-117 AA C " 12-3 AA C " 12-4 AA C VCKYTV1HB102K 10-25 AA C " 10-26 AA C " 10-27 AA C " 10-28 AA C " 10-29 AA C " 10-10-108 AA C " 10-120 AA C " 10-121 AA C " 10-121 AA C " 10-122 AA C " 10-123 AA C " 10-124 AA C " 10-125 AA C " 10-125 AA C " 10-126 AA C " 10-127 AA C " 10-128 AA C " 10-128 AA C " 10-128 AA C " 10-128 AA C " 10-128 AA C " 10-129 AA C " 10-129 AA C " 10-129 AA C " 10-129 AA C " 10-129 AA C " 10-129 AA C " 10-129 AA C " 10-129 AA C " 10-130 AA C	"				
" 12-4 AA C VCKYTV1HB102K 10-25 AA C " 10-26 AA C " 10-27 AA C " 10-28 AA C " 10-29 AA C " 10-74 AA C " 10-108 AA C " 10-120 AA C " 10-121 AA C " 10-122 AA C " 10-122 AA C " 10-123 AA C " 10-124 AA C " 10-125 AA C " 10-125 AA C " 10-126 AA C " 10-127 AA C " 10-127 AA C " 10-128 AA C " 10-129 AA C " 10-129 AA C " 10-129 AA C " 10-129 AA C " 10-129 AA C " 10-129 AA C " 10-129 AA C " 10-130 AA C	*	10-117	AA		С
VCKYTV1HB102K 10-25 AA C " 10-26 AA C " 10-27 AA C " 10-28 AA C " 10-29 AA C " 10-19 AA C " 10-108 AA C " 10-120 AA C " 10-121 AA C " 10-122 AA C " 10-123 AA C " 10-123 AA C " 10-124 AA C " 10-125 AA C " 10-126 AA C " 10-127 AA C " 10-128 AA C " 10-129 AA C " 10-130 AA C " 10-131 AA C	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
" 10-26 AA C " 10-27 AA C " 10-28 AA C " 10-29 AA C " 10-29 AA C " 10-108 AA C " 10-108 AA C " 10-120 AA C " 10-121 AA C " 10-122 AA C " 10-123 AA C " 10-124 AA C " 10-125 AA C " 10-125 AA C " 10-126 AA C " 10-127 AA C " 10-128 AA C " 10-129 AA C " 10-129 AA C " 10-129 AA C " 10-130 AA C " 10-131 AA C	VCKATATHB103K				
" 10-27 AA C " 10-28 AA C " 10-29 AA C " 10-108 AA C " 10-108 AA C " 10-108 AA C " 10-120 AA C " 10-121 AA C " 10-122 AA C " 10-123 AA C " 10-124 AA C " 10-125 AA C " 10-125 AA C " 10-126 AA C " 10-127 AA C " 10-128 AA C " 10-128 AA C " 10-128 AA C " 10-129 AA C " 10-129 AA C " 10-130 AA C " 10-130 AA C	VONT I VIND IUZN			_	_
" 10-29 AA C " 10-74 AA C " 10-108 AA C " 10-120 AA C " 10-121 AA C " 10-122 AA C " 10-123 AA C " 10-124 AA C " 10-125 AA C " 10-126 AA C " 10-127 AA C " 10-128 AA C " 10-129 AA C " 10-129 AA C " 10-129 AA C " 10-129 AA C " 10-129 AA C " 10-129 AA C " 10-130 AA C	"	10-27	AA		C
" 10-74 AA C " 10-108 AA C " 10-120 AA C " 10-121 AA C " 10-122 AA C " 10-123 AA C " 10-124 AA C " 10-125 AA C " 10-126 AA C " 10-127 AA C " 10-128 AA C " 10-129 AA C " 10-129 AA C " 10-129 AA C " 10-130 AA C " 10-131 AA C	*				
" 10-108 AA C " 10-120 AA C " 10-121 AA C " 10-122 AA C " 10-123 AA C " 10-124 AA C " 10-125 AA C " 10-125 AA C " 10-126 AA C " 10-127 AA C " 10-128 AA C " 10-129 AA C " 10-129 AA C " 10-130 AA C " 10-131 AA C	"				
" 10-120 AA C " 10-121 AA C " 10-122 AA C " 10-123 AA C " 10-124 AA C " 10-125 AA C " 10-125 AA C " 10-126 AA C " 10-127 AA C " 10-128 AA C " 10-128 AA C " 10-129 AA C " 10-130 AA C " 10-130 AA C	,,			-	
" 10-122 AA C " 10-123 AA C " 10-124 AA C " 10-125 AA C " 10-126 AA C " 10-126 AA C " 10-128 AA C " 10-128 AA C " 10-129 AA C " 10-130 AA C " 10-131 AA C	,				C
" 10-123 AA C " 10-124 AA C " 10-125 AA C " 10-126 AA C " 10-127 AA C " 10-128 AA C " 10-128 AA C " 10-129 AA C " 10-130 AA C " 10-131 AA C					
" 10-124 AA C " 10-125 AA C " 10-126 AA C " 10-127 AA C " 10-128 AA C " 10-129 AA C " 10-130 AA C " 10-131 AA C	"				
" 10-125 AA C " 10-126 AA C " 10-127 AA C " 10-128 AA C " 10-129 AA C " 10-130 AA C " 10-131 AA C	,,				
" 10-126 AA C " 10-127 AA C " 10-128 AA C " 10-129 AA C " 10-130 AA C " 10-131 AA C	- "	10-125			-
" 10-128 AA C " 10-129 AA C " 10-130 AA C " 10-131 AA C	,	10-126			
" 10-129 AA C " 10-130 AA C " 10-131 AA C					
" 10-130 AA C " 10-131 AA C	···				
" 10-131 AA C	*				
" 10-132 AA C	,,				
		10-132	AA		С

		PRICE	NEM/	DADT
PARTS CODE	No.		MARK	
VCKYTV1HB103K	10-20	AB		С
, ,	10-21 10-24	AB	-	C
	10-62	AB		ပ
"	10-63	AB		С
<u>"</u>	10-72 10-73	AB		C
"	10-73	AB		c
"	13-10	AB		С
~	13-54	AB		Č
-	13-55 13-56	AB		<u> </u>
VCKYTV1HB121K	12-5	AA		C
VCKYTV1HB222K	10-30 10-31	AA		<u> </u>
"	10-42	AA		č
	10-44	AA		Ç
"	10-47 10-59	AA AA		C
*	10-61	ĀĀ		č
	10-77	AA		С
, , , , , , , , , , , , , , , , , , ,	10-89 10-90	AA		C
	10-90	AA		c
"	10-101	AA		С
VCKYTV1HB472K	10-23	AA	\longrightarrow	c
VCKYTV1HF103Z	13-41 13-34	AA		C
"	13-50	AA		С
VCKYTV1HF104Z	13-4 13-9	AA		C
-	13-13	AA		c
, , , , , , , , , , , , , , , , , , , ,	13-14	AA		ပ
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	13-15	AA	-	č
-	13-18 13-19	AA AA		C
"	13-26	AA		С
, , , , , , , , , , , , , , , , , , ,	13-28	AA		ç
<u>"</u>	13-38 13-48	AA AA		C
,	13-49	AA		Č
" VOICE (1) 150007	13-53	AA		č
VCKYTV1HF223Z	15-3 15-4	AA AA	\rightarrow	응
VCQYNA1HM333K	11-9	ÃΑ		č
VHDDAP202U/-1	10-169	AB		В
VHDDA204K//-1	10-143 10-144	AC AC	\rightarrow	B
VHDERA81004-1	13-62	AE	N	В
"	13-63	AE	N	В
,,	13-64 13-65	AE AE	N	ВВ
VHDRB411D//-1	10-146	AD		В
~	10-147	AD		В
~	10-148 10-149	AD AD		B B
"	10-150	AD		В
"	10-151	AD	$-\bot$	В
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	10-152 10-153	AD AD	+	ВВ
	10-154	AD		В
~	10-155	AD	\Box	В
~	10-156 10-157	AD AD	\dashv	B
~	10-157	AD		В
"	10-160	AD	$ \top$	В
"	10-161 10-162	AD AD	-	B B
"	10-162	AD		В
"	10-164	AD		В
"	10-165 10-166	AD AD	-+	B B
"	10-167	AD		В
"	10-168	AD	$ \top$	В
<i>"</i>	10-170 10-171	AD AD		B B
"	10-172	AD		В
"	10-173	AD		В
VHD1SS133//-1	11-24	AA	+	В
	11-25	AA		В

PARTS CODE	No.	PRICE		
VHD1\$\$133//-1	11-26	RANK	MARK	RANK B
//	11-27	AA		В
VHD1SS355//-1	10-145	AB		В
<u>"</u>	10-159 12-10	AB AB		В
VHEHZ2C1///-1	11-68	AA		В
	11-69	AA		В
	11-71	AA		В
VHEHZ27-1//-1	11-72 11-70	AB		В
VHERD22FB3/-1	10-536	AC		В
VHIAD8051//-1	10-175 13-79	AN	N	B
VHIBA10393F-1 VHIHD74LS08-1	10-179	AD		В
VHIHECF4066BF	10-177	AF		В
// // D4045//4	10-182	AF		В
VHILB1845//-1 VHILC82103/-1	13-73	BA	N	В
VHILZ9FJ49/-1	10-183	AV	N	В
VHIL6451///-1	13-76	AX	N	В
// UNAC4 4050000	13-78	AX	<u>N</u>	В
VHIMC14053DR2 VHINJM2113M-1	10-178	AG AG		B B
VHINJM2902M-1	10-187	AF		В
VHINJM2904D-1	11-28	AG		В
VHINJM311M/-1	12-12 12-11	AL	N	В
VHINJM324M/-1 VHINJU6355E-1	12-11	AH AM	N	В
VHIPST596CMT1	10-204	AF		В
VHIR144AFXL/1	10-188	ВМ		В
VHISH7040//-1 VHISN74HC04NSR	10-185	BD AE	N N	B B
VHISN74HC14NSR	10-186	AE	N	В
VHISN74HC164NR	10-201	AF	N	В
VHISN74LS244NR	10-196	AG		В
VHISN74LS245N	10-197 10-195	AG AR		В
VHISTA471A/-1	13-74	AK		В
VHIS2B257SL70	10-190	AL		В
VHITC16C221AE	10-199 13-77	AL BG	N	ВВ
VHITC16G331AF VHITMP87PH47U	13-77	AZ	N	В
VHIULN2003AN/	10-176	AE		В
VHIW24257\$7LL	13-75	AP		В
VHI27040FBS0H VHI27040FBS1H	10-192 10-194	AZ AZ		B
VHI74HCU04S-1	10-180	AF	N	В
"	10-184	AF	N	В
VHPGL1F21A/-1 VHPGL480///-1	15-10 12-9	AN AD	N	В
VHPIS1U21A/-1	15-11	AP	N	В
VHPPC814X//-1	11-39	AE		В
VHPPC817X7/-1	11-38	AD		В
VHPPD410PI/-1 VHPSG206S//-1	12-8 11-40	AE AG		ВВ
"	13-81	AG		В
VHVERZV5D471/	11-66	AC		В
" VHVICPS07//-1	11-67 10-174	AC AA		B B
**************************************	13-66	AA	+	В
"	13-67	AA		В
VHVRA391PV6-1	11-1	AE	耳	В
VRD-HT2EY000J	11-33 11-34	AA AA		c
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	11-35	ĀĀ		С
VRD-HT2EY100J	10-217	AA		С
VRD-HT2EY102J	11-56	AA		C
<i>"</i>	11-58 11-60	AA AA		C
VRD-HT2EY103J	11-49	ĀĀ		č
"	11-52	AA		C
"	11-53 11-54	AA AA		ç
VRD-HT2EY122J	13-95	AA	+	č
"	13-96	AA		С
VRD-HT2EY151J	11-63	AA		C
VRD-HT2EY152J	11-57 11-59	AA AA		C
VRD-HT2EY153J	11-50	AA	+	5
"	11-61	AA		Č

DARTE CODE	No	PRICE	NEW	PART
PARTS CODE	No.		MARK	
VRD-HT2EY221J	11-48	AA.		C
VRD-HT2EY223J	11-47	AA		c
VRD-HT2EY300J	11-45	AA		č
VRD-HT2EY332J	11-55 11-62	AA		ပပ
VRD-HT2EY621J	11-51	AA		Č
VRD-HT2EY910J	11-44	AA		C
VRD-HT2HY223J	11-46	AA		С
VRS-HT3AAR75J	13-91	AC	N	С
VDC TOODBOOK	13-92	AC	N	C
VRS-TQ2BB000J	10-207 10-208	AA AA		č
"	10-356	AA		Č
,	10-494	AA		С
	10-520	AA		<u>c</u>
VRS-TQ2BB200J	10-367	AA		<u> </u>
VRS-TQ2BB222J VRS-TQ2BB561J	10-529 10-513	AA		<u>-c</u>
VRS-TV2AB000J	10-209	ĀĀ		č
*	10-210	AA		С
*	10-211	AA		С
,,	10-240	AA		Č
	10-241 10-242	AA AA		c
,,	10-243	ĀĀ		c
"	10-268	AA		C
"	10-272	AA		С
"	10-273	AA		C
"	10-274	AA		C
~	10-275	AA AA		C
	10-292 10-299	AA	-	C
~	10-315	AA		č
"	10-317	AA		C
"	10-327	AA		<u>_c</u>
,,	10-335	AA	+	<u>~</u>
<i>"</i>	10-336 10-342	AA AA		C
	10-343	ÃÃ	\rightarrow	č
"	10-376	AA		С
"	10-387	AA		С
"	10-388	AA		Č
<u>"</u>	10-389 10-403	AA AA		C
	10-404	AA		č
"	10-405	AA		Ċ
	10-406	AA		С
"	10-422	AA		흦
	10-449 10-527	AA AA		승
7	10-527	AA		Č
"	13-145	AA		č
"	13-170	AA		C
"	13-172	AA		<u> </u>
" VDC T/04B1001	13-175	AA	-	Ç C
VRS-TV2AB100J	10-368 10-371	AD AD	\rightarrow	c
,	10-409	AD		č
"	10-410	AD		Č
"	10-411	AD		Č
<i>"</i>	10-412	AD	\dashv	C
	10-413 10-427	AD AD	+	C
*	10-428	AD		С
"	10-429	AD		С
"	10-430	AD		Ç.
"	10-451	AD		č
	10-452	AD AD	-+	C
	10-453 10-454	AD	$\overline{}$	c
"	10-455	AD		С
"	10-456	AD		С
<u>"</u>	10-457	AD	$ \bot$	С
<i>"</i>	10-458	AD		읒ㅣ
,,	10-460 10-461	AD AD	\dashv	C
VRS-TV2AB101J	10-219	AA	$\neg \uparrow$	č
"	10-220	AA		Ċ
"	10-221	AA	\Box	c
"	10-222	AA		С

PARTS CODE	No.		NEW MARK	
VRS-TV2AB101J	10-223	AA		С
	10-224	AA		Č.
	10-225 10-226	AA		ပပ
	10-226	AA		č
	10-252	AA		c
*	10-253	AA		С
*	10-254	AA		ပ
	10-255	AA		C
	10-256	AA		o
	10-257	AA		C
	10-259	AA		č
	10-284	AA		č
	10-287	AA		O
	10-289	AA		C
*	10-303	AA		υ
	10-311	AA)
	10-312	ĀĀ		C
*	10-339	AA		C
"	10-380	AA		o
	10-384	AA		C
	10-386	AA		Ç
	10-438	AA AA		C
	10-492	AA		C
	10-518	AA		C
	10-519	AA		C
~	10-528	AA		С
VRS-TV2AB102J	10-239	AA		C
	10-249	AA		C
	10-277	AA		C
	10-278	AA		0
	10-331	AA		C
	10-353	AA		С
"	10-396	AA		С
	10-400	AA		<u>ç</u>
	10-420 10-421	AA		C
	13-101	AA		ċ
	13-113	AA		c
,	13-155	AA		С
VRS-TV2AB103J	10-238	AA		С
	10-244	AA		<u>c</u>
	10-247	AA		C
"	10-250 10-262	AA		C
	10-262	ĀĀ		c
	10-280	AA		C
~	10-281	AA		С
,	10-282	AA		С
	10-283	AA		C
<u>"</u>	10-291	AA_	 	C
	10-297	AA		c
-	10-301	AA -	\vdash	c
	10-304	AA		c
,	10-305	AA		С
	10-306	AA		C
	10-307	AA -	<u> </u>	C
*	10-308 10-318	AA	 	C
	10-318	AA	 	č
	10-321	AA	<u> </u>	C
~	10-322	AA		c
	10-323	AA		С
	10-326	AA		C
,	10-332	AA		C
	10-333	AA	 	0
,	10 204	I MA	l	
	10-334			1 G
	10-337	AA AA		C
*		AA		C
**************************************	10-337 10-338 10-341 10-344	AA AA AA		C C
***************************************	10-337 10-338 10-341 10-344 10-345	AA AA AA AA		С С С
**************************************	10-337 10-338 10-341 10-344	AA AA AA		C C

PARTS CODE	No.	PRICE		PART
VRS-TV2AB103J	10-354	RANK	MAHIN	RANK C
" "	10-362	AA		C
"	10-365	AA		Ç
*	10-372	AA		ပါ
	10-373 10-374	AA		C
,,	10-375	ĀĀ		C
	10-377	AA		С
*	10-378	AA		O
"	10-379	AA		ပပ
*	10-381 10-382	AA		C
	10-383	AA		C
"	10-385	AA		ပ
	10-390	AA		ပ
	10-391 10-392	AA		C
	10-393	ĀĀ		č
	10-394	AA		С
"	10-395	AA		C)
~	10-397	AA		ြပ
	10-399 10-414	AA		- C
	10-415	AA		С
"	10-416	AA		ပြ
	10-419	AA		C
"	10-425 10-433	AA		o
,	10-459	ÃÃ		C
,,	10-522	AA		С
"	10-523	AA		C
,,	10-524	AA		ပပ
	10-525 10-526	AA		C
	12-14	AA		c
"	12-15	AA		ပ
	12-18	AA		CO
	12-21 12-22	AA		C
,,	12-24	AA		c
	13-119	AA		С
	13-132	AA		C
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	13-144 13-167	AA		C
-	13-178	AA		C
,,	13-179	AA		С
VRS-TV2AB104J	10-418	AA		С
**************************************	12-29	AA		C
VRS-TV2AB105J	10-286 10-330	AA		C
"	13-150	AA		c
VRS-TV2AB122J	10-495	AA		С
	10-496	AA		Č
	10-497	AA		C
	10-498 10-499	AA	-	c
,,	10-500	AA		С
	10-501	AA		C
"	10-502	AA		C
, ,	10-503 10-504	AA	 	C
"	10-505	AA		Ç
"	10-506	AA		C
	10-507	AA		C
	10-508 10-509	AA		č
ļ — — — — — — — — — — — — — — — — — — —	10-510	AA	†	С
	10-511	AA		С
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	10-512	AA	ļ	C
VRS-TV2AB124J VRS-TV2AB133J	12-23 10-360	AA		C
VRS-TV2AB153J	12-27	AA		c
***************************************	12-28	AA		C
VRS-TV2AB152J	10-358	AB		C
	13-104	AB		C
<u>"</u>	13-106 13-108	AB	 	c
	13-111	AB		Č
VRS-TV2AB154J	10-417	AB		C
VRS-TV2AB183J	10-295	AD	<u></u>	С

PARTS CODE	No.	PRICE	NEW	PART
VRS-TV2AB201J	10-285	RANK	MARK	RANK
VRS-TV2AB201J	10-285	ÃÃ		c
	10-251	AA		C
	10-276	AA		Č
VRS-TV2AB222J	12-17 12-19	AA		oο
	13-105	ĀĀ	_	č
	13-107	ĀĀ		С
,,	13-109	AA		C
"	13-110	AA		00
VRS-TV2AB223J	13-99 13-123	AA		ö
*	13-169	AA		Č
VRS-TV2AB271J	10-228	AA		C
	10-229	ĀĀ		Ç
	10-260 10-261	AA	_	6
	10-263	ĀĀ		č
"	10-265	AA		ပ
<i>"</i>	10-266	AA		č
"	10-267 10-269	AA		υu
	10-290	ÃÃ		č
, , , , , , , , , , , , , , , , , , ,	10-348	AA		С
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	10-357	AA		Š
	10-401	AA		C
	10-402	AA		6
"	10-424	AA		С
	10-434	AA		C
, , , , , , , , , , , , , , , , , , ,	10-435	AA		υo
VRS-TV2AB302J	10-264 10-270	AA		č
	10-271	AA		č
	10-296	AA		С
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	10-300	_AA		C
	10-319 10-329	AA		č
VRS-TV2AB330J	10-323	AD		č
"	10-245	AD		С
	10-246	AD		Ö
	10-436 10-437	AD		C
	10-439	AD		Č
	10-440	AD		С
	10-441	AD		C
	10-442	AD		C
	10-444	AD	<u> </u>	č
"	10-445	AD		C
*	10-446	AD		C
<i>"</i>	10-447	AD	<u> </u>	οo
	10-448	AD AD		5
"	10-463	AD		č
	10-464	AD		С
	10-465	AD		C
	10-484	AD	<u> </u>	C
	10-486	AD	<u> </u>	C
	10-487	AD		C
	10-488	AD	L	Ç
- " -	10-489	AD		C
	10-490	AD	 	C
"	10-514	AD		С
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	10-515	AD		С
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	10-516	AD		CC
VRS-TV2AB331J	10-517 13-176	AD		C
VH3-1V2AD3310	13-177	AD	\vdash	C
VRS-TV2AB332J	10-316	AA		С
	10-363	AA		00
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	12-30 13-146	AA	 -	C
VRS-TV2AB333J	10-294	AD	-	č
,	10-324	AD		С
	10-325	AD	L	C
	10-340	AD		C
L	10-350	T 40	L	

PARTS CODE	No.	PRICE	NEW MARK	PART
VRS-TV2AB333J	10-407	AD		c
VRS-TV2AB390J	10-521	AB		ပ
	13-100	AB		O
	13-114 13-118	AB		C
~	13-120	AB		c
"	13-124	AB		C
"	13-127	AB		Ç
*	13-130	AB		C
"	13-131	AB		C
<u>"</u>	13-138 13-140	AB		C
"	13-141	AB		č
*	13-142	AB		č
,	13-148	AB		С
	13-151	AB		C
"	13-161	AB		C
	13-162 13-163	AB		<u> </u>
,,	13-164	AB		č
"	13-165	AB		č
"	13-166	AB		Č
,,	13-168	AB		С
VRS-TV2AB434J	12-16	AA		Ç
	12-20	AA		<u> </u>
VRS-TV2AB470J	12-25 10-369	AA		C
VNS-1V2AB47W	10-369	AA		-c
*	10-466	AA		č
"	10-467	AA		С
	10-468	AA		С
"	10-469	AA		C
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	10-470 10-471	AA A		<u>~</u>
~	10-471	AA		C
~	10-473	AA		č
~	10-474	AA		С
,	10-475	AA		C
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	10-476	AA		C
	10-477	AA		<u>c</u>
	10-478 10-479	AA AA		C
"	10-480	AA	-+	č
~	10-481	AA		C
"	10-482	AA		ပ
VRS-TV2AB471J	10-230	AA		C
,,	10-231	AA AA		C
, ,	10-232	AA		C
"	10-234	AA		č
"	10-313	AA		Ċ
"	10-346	AA		C
,,	10-351	AA		0
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	10-398	AA		٦
<u>"</u>	10-426 10-450	AA		00
*	13-97	AA	+	č
"	13-98	AA		č
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	13-121	AA		С
"	13-122	AA		O
"	13-143	AA		č
VRS-TV2AB472J	13-171 10-355	AA AA		С
VH3-1VZAD47ZJ	10-355	AA		ö
"	13-112	ĀĀ		ŏ
"	13-115	AA		Č
"	13-116	AA		С
	13-117	AA		Ö
"	13-125	AA) O
	13-126 13-128	AA AA	+	응
*	13-120	AA	\dashv	ö
		ÃÃ	-+	ӛ┪
	13-133	AA 1		
**	13-133 13-136	AA		С
**************************************	13-136 13-137	AA AA		C
" " " " " " " " " " " " " " " " " " "	13-136 13-137 13-139	AA AA AA		000
**************************************	13-136 13-137 13-139 13-152	AA AA AA		0000
W W W W W W W W W W W W W W W W W W W	13-136 13-137 13-139	AA AA AA		000

PARTS CODE	No.		NEW MARK	
VRS-TV2AB472J	13-157	AA	147 1 1 1	C
"	13-158	AA		С
7	13-159	AA		С
"	13-160	AA		С
"	13-173	AA		С
"	13-174	AA		C
VRS-TV2AB473J	10-359	AA		C
	10-432	AA		Č
VDC TVOADEGO I	12-26 10-293	AA		C
VRS-TV2AB562J	10-293	AA		č
	13-147	AA		č
,	13-149	AA		č
VRS-TV2AB563F	13-102	AB	N	Č
"	13-103	AB	N	Ċ
VRS-TV2AB623J	10-298	AA		С
VRS-TV2AB680J	10-205	AA		С
	10-206	AA		С
VRS-TV2AB681J	10-431	AA		С
VRS-TV2AB682J	13-134	AB		C
"	13-135	AB		С
VRS-TW2HF000J	15-7	AC	N	С
~	15-8	AC	N	С
"	15-9	AC	N	С
VRS-TW2HF200J	15-12	AC	N	C
	15-13	AC	N	<u>c</u>
VRS-TW2HF910J	15-14	AC	N	С
<i>"</i>	15-15	AC	N	C
VRSTS2AD1742F	10-408	AA		C
VRSTS2AD4752F	10-364	AA		<u>c</u>
VRSTS2AD8662F	10-328	AA		č
UABELIA TEKA	10-361	AA		В
VSDTA114EK/-1	10-212	AB		
	13-85	AB		B
	13-86 13-87	AB		뮴
	13-87	AB		В
VSDTC114EK/-1	10-213	AB		В
#3D10114EIV-1	10-214	AB		В
"	10-215	AB		B
VSDTC114ES/-1	11-41	AB		В
"	11-43	AB		В
VS2SA1037KR-1	10-216	AB		В
VS2SB1261K/-1	13-83	AE		В
VS2SC1815GR-1	11-42	AB		В
VS2SC2412KR-1	12-13	AD		В
"	13-84	AD		В
[X]				
XBPSD30P06K00	50-B6	AA		<u>c</u>
XBPSE30P06K00	50-B7	AA		<u>c</u>
XBPSN40P06K00	50-B8	AA		c
XEBSD30P06000	50-B9	AA		Ç
XEBSD30P10000	50-B10	AA		Č
XEBSE30P12000	50-B11	AA		č
XHBSD30P04000	50-B12	AA		<u>č</u>
XHBSE30P06000	50-B13	AA AA		C
XUBSD20P06000 [0]	50-B14	1 AA		-
0KY0C1A9R2210	16-5	AG	+	С
0KY0C1A9Y1020	16-13	AG	 	Č
0KY0C151E1010	16-8	AE		Č
0KY0C162E1040	16-12	AF	-+	č
0KY0C176Q3320	16-9	AL		Ċ
0KY0C245Q1040	16-3	AM		č
0KY0C251E1030	16-7	AE		č
0KY0C251E4720	16-6	AE		C
0KY0C3M1K2210	16-4	BA		С
0KY0C374D3310	16-10	AN		С
"	16-11	AN		С
0KY0D157A0060	16-20	AG		В
	16-21	AG		В
*	16-22	AG		В
	16-23	AG		В
0KY0D221B0020	16-24	AT		В
0KY0D251A0020	16-16	AD		В
"	16-18	AD		В
"	16-19	AD		В
0KY0D272A0060	16-25	AP		В
0KY0D461A3200	16-26	AL		В
0KY0D466A0600	16-17	AE		В

_	1	DDIAS	NEW.	DART
PARTS CODE	No.	PRICE		PART
0KY0D754A2410	16-62	AL		В
0KY0D763A4R00	16-33	AN		В
0KY0H135A5R00 0KY0H719A0010	16-31 16-34	AV	<u> </u>	В
0KY0K221B0080	16-34	AP	-	C
0KY0K251A0020	16-14	AK		С
0KY0K758A4R00	16-27	AT		A
0KY0L113J1830 0KY0L200C0402	16-32 16-60	AQ BA		В
0KY0L551A0010	16-60	AE		C
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	16-2	AE		С
0KY0MPH006900	16-29	AF		O (
0KY0MPS029600 0KY0M135A0050	16-28 16-59	AP		ပပ
0KY0R153U1000	16-49	AC		č
0KY0R153U1010	16-44	AC		С
0KY0R153U1020 0KY0R153U1050	16-55	AB		C
0KY0R153U1530	16-37 16-56	AC		C
0KY0R153U1810	16-42	AC		C
0KY0R153U1830	16-40	AC		Ç
0KY0R153U1840	16-38 16-39	AC		C
0KY0R153U2030	16-39	AC		- 6
0KY0R153U2220	16-57	AC		Č
0KY0R153U3310	16-54	AC		С
0KY0R153U3330 0KY0R153U3910	16-43 16-48	AB AC		C
0KY0R153U3920	16-48	AC		~
"	16-51	AC		C
"	16-52	AC		C
0KY0R153U4710	16-53 16-41	AC AC		c
0KY0R153U6220	16-45	AC		ŏ
0KY0R153U9120	16-46	AC		С
0KY0R353U1630	16-58	AD		င္
0KY0R854E5020 0KY0T358A0040	16-61 16-36	AK AG		В
OKY0T644A0010	16-35	AV		B
0KY1H153A0010	16-30	AP		В
0KY1H153A0010 0MIMMM7E24MM0	8-901	AP	N	E
0KY1H153A0010		AP	N N N	
OKY1H153A0010 OMIMMM7E24MMO OMIOPM300356/ OMIOPSA00195/ OMIOPM100090/	8-901 8-902 8-903 8-904	AP	N N N	E E E
OKY1H153A0010 OMIMMM7E24MM0 OMIOPM300356/ OMIOPSA00195/	8-901 8-902 8-903	AP	N N	E C E
OKY1H153A0010 OMIMMM7E24MMO OMIOPM300356/ OMIOPSA00195/ OMIOPM100090/	8-901 8-902 8-903 8-904	AP	N N N	E E E
OKY1H153A0010 OMIMMM7E24MMO OMIOPM300356/ OMIOPSA00195/ OMIOPM100090/	8-901 8-902 8-903 8-904	AP	N N N	E E E
OKY1H153A0010 OMIMMM7E24MMO OMIOPM300356/ OMIOPSA00195/ OMIOPM100090/	8-901 8-902 8-903 8-904	AP	N N N	E E E
OKY1H153A0010 OMIMMM7E24MMO OMIOPM300356/ OMIOPSA00195/ OMIOPM100090/	8-901 8-902 8-903 8-904	AP	N N N	E E E
OKY1H153A0010 OMIMMM7E24MMO OMIOPM300356/ OMIOPSA00195/ OMIOPM100090/	8-901 8-902 8-903 8-904	AP	N N N	E E E
OKY1H153A0010 OMIMMM7E24MMO OMIOPM300356/ OMIOPSA00195/ OMIOPM100090/	8-901 8-902 8-903 8-904	AP	N N N	E E E
OKY1H153A0010 OMIMMM7E24MMO OMIOPM300356/ OMIOPSA00195/ OMIOPM100090/	8-901 8-902 8-903 8-904	AP	N N N	E E E
OKY1H153A0010 OMIMMM7E24MMO OMIOPM300356/ OMIOPSA00195/ OMIOPM100090/	8-901 8-902 8-903 8-904	AP	N N N	E E E
OKY1H153A0010 OMIMMM7E24MMO OMIOPM300356/ OMIOPSA00195/ OMIOPM100090/	8-901 8-902 8-903 8-904	AP	N N N	E E E
OKY1H153A0010 OMIMMM7E24MMO OMIOPM300356/ OMIOPSA00195/ OMIOPM100090/	8-901 8-902 8-903 8-904	AP	N N N	E E E
OKY1H153A0010 OMIMMM7E24MMO OMIOPM300356/ OMIOPSA00195/ OMIOPM100090/	8-901 8-902 8-903 8-904	AP	N N N	E E E
OKY1H153A0010 OMIMMM7E24MMO OMIOPM300356/ OMIOPSA00195/ OMIOPM100090/	8-901 8-902 8-903 8-904	AP	N N N	E E E
OKY1H153A0010 OMIMMM7E24MMO OMIOPM300356/ OMIOPSA00195/ OMIOPM100090/	8-901 8-902 8-903 8-904	AP	N N N	E E E
OKY1H153A0010 OMIMMM7E24MMO OMIOPM300356/ OMIOPSA00195/ OMIOPM100090/	8-901 8-902 8-903 8-904	AP	N N N	E E E
OKY1H153A0010 OMIMMM7E24MMO OMIOPM300356/ OMIOPSA00195/ OMIOPM100090/	8-901 8-902 8-903 8-904	AP	N N N	E E E
OKY1H153A0010 OMIMMM7E24MMO OMIOPM300356/ OMIOPSA00195/ OMIOPM100090/	8-901 8-902 8-903 8-904	AP	N N N	E E E
OKY1H153A0010 OMIMMM7E24MMO OMIOPM300356/ OMIOPSA00195/ OMIOPM100090/	8-901 8-902 8-903 8-904	AP	N N N	E E E
OKY1H153A0010 OMIMMM7E24MMO OMIOPM300356/ OMIOPSA00195/ OMIOPM100090/	8-901 8-902 8-903 8-904	AP	N N N	E E E
OKY1H153A0010 OMIMMM7E24MMO OMIOPM300356/ OMIOPSA00195/ OMIOPM100090/	8-901 8-902 8-903 8-904	AP	N N N	E E E
OKY1H153A0010 OMIMMM7E24MMO OMIOPM300356/ OMIOPSA00195/ OMIOPM100090/	8-901 8-902 8-903 8-904	AP	N N N	E E E
OKY1H153A0010 OMIMMM7E24MMO OMIOPM300356/ OMIOPSA00195/ OMIOPM100090/	8-901 8-902 8-903 8-904	AP	N N N	E E E
OKY1H153A0010 OMIMMM7E24MMO OMIOPM300356/ OMIOPSA00195/ OMIOPM100090/	8-901 8-902 8-903 8-904	AP	N N N	E E E
OKY1H153A0010 OMIMMM7E24MMO OMIOPM300356/ OMIOPSA00195/ OMIOPM100090/	8-901 8-902 8-903 8-904	AP	N N N	E E E
OKY1H153A0010 OMIMMM7E24MMO OMIOPM300356/ OMIOPSA00195/ OMIOPM100090/	8-901 8-902 8-903 8-904	AP	N N N	E E E
OKY1H153A0010 OMIMMM7E24MMO OMIOPM300356/ OMIOPSA00195/ OMIOPM100090/	8-901 8-902 8-903 8-904	AP	N N N	E E E
OKY1H153A0010 OMIMMM7E24MMO OMIOPM300356/ OMIOPSA00195/ OMIOPM100090/	8-901 8-902 8-903 8-904	AP	N N N	E E E
OKY1H153A0010 OMIMMM7E24MMO OMIOPM300356/ OMIOPSA00195/ OMIOPM100090/	8-901 8-902 8-903 8-904	AP	N N N	E E E

M E M O

SHARP

COPYRIGHT © 1998 BY SHARP CORPORATION

ALL RIGHTS RESERVED.

No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without prior written permission of the publisher.

SHARP CORPORATION
Communication Systems Group
Quality & Reliability Control Center
Higashihiroshima, Hiroshima 739-0192, Japan
Printed in U.S.A.