

MODEL: CD-4050/CD-4050N

No.: GEN-090
(DP09-0001E)
Date: 21.04.00

SUBJECT: CD-4050/4050N TECHNICAL INFORMATION

OUTLINE

This is to provide you with the technical information of CD-4050/4050N, which will be released shortly.

CD-4050/4050N are mechanically based on CD-4046, but equipped with a faster CPU and a display easier to see. The networking function and the decoding function for OCR and MICR are also added to these document recorders.

* Regarding the information about new parts (Parts Catalog), refer to the Service Bulletin GEN-090A.

PRODUCT CODES

CD-4050

220-240V, 50/60Hz M11-0314

CD-4050N

220-240V, 50/60Hz M11-0364

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This bulletin mainly describes the differences from CD-4046. You must refer to the Service Manual of CD-4046 and other related Service Informations to understand CD-4050/4050N since the common knowledge is omitted here.
Such items as user operations described in the Instruction Manual are also omitted.

CHAPTER 1

I. Major changes from CD-4046 and features

1. Faster CPU
 - CD-4046---- 486DX4-100MHz
 - CD-4050---- K6-266MHz
2. Display easier to see
 - CD-4046----VGA, 6inch color STN
 - CD-4050----VGA, 6.5inch color TFT
3. Input support functions added
 - Barcode
 - MICR
 - OCR
4. Networking function added
 - Enabled to create document files on the shared disk.
 - Enabled to send e-mails with documents attached.

II. Specifications

Category	Item	Specification
Appearance / Installation	1. Type	Desk-top
	2. Power supply	AC220-240V 50/60Hz
	3. Weight	Main body: 20Kg Display: 1Kg
	4. Temperature range	15 to 27.5°C (59 to 81.5°F)
	5. Humidity range	25 to 75%RH
	6. Maximum power consumption / current	220-240V model: 1.0A
	7. Noise	In operation: 72dB Stand-by: 55dB

	8. Dimensions	Tray closed: 364.5(W) x 456(D) x 244(H)mm Tray open: 364.5(W) x 715(D) x 287(H)mm
	9. Touch panel assembly	Legs folded: 196(W) x 164(D) x 66(H)mm Legs extended: 196(W) x 168.5(D) x 112(H)mm
Software	1. Operating system	Microsoft Windows 95(OSR2)
	2. Application software	Canon Electronics Inc. original
	3. Scanner control module	Canon Electronics Inc. original
	4. CD-R control software	Adaptec Direct CD
	5. Display module	WANG OCX
	6. Touch panel driver	DMC FIT-10/T5
Scanning, Document feeding, Image processing and Recording are the same as those of CD-4046.		
Display / Operation	1. Display device	TFT 6.5inch color LCD Manufacturer: NEC Type: NL6448AC20-06
	2. Display method	VGA(640X480dot)
	3. Visible image area	132.5(H) x 99.4(V)mm
	4. Input device	Touch panel Affixed to LCD surface
	5. Image display function	Same as CD-4046
	6. Retrieval items	Same as CD-4046
Others	1. Countermeasure against power failure	Same as CD-4046
	2. External interface	1)VGA 2)Key Board I/F: IBM PS2 compatible keyboard (101, 103 & 106 keyboard) 3)Mouse I/F: PS2 compatible mouse 4)10BASE-T
	3. Recognition received	- Electric Safety Standards (Recognition) UL, cUL, GS, FIMKO, AS, CS - Electric Safety Standards (Declaration) CE marking - Radio Interference (Recognition) Taiwan EMC, Korea EMC - Radio Interference (Declaration of Compliance) FCC (Class A), VCCI (Class A), INDUSTRY CANADA(Class A), C-tick, CE marking
	4. Option	Endorser ED500

Table 1-1

CHAPTER 2

I. Product Overview

The basic configuration of this machine is as follows.

For the additional functions and operational improvement, a VGA monitor, a keyboard, a mouse and I/F for networking have been added.

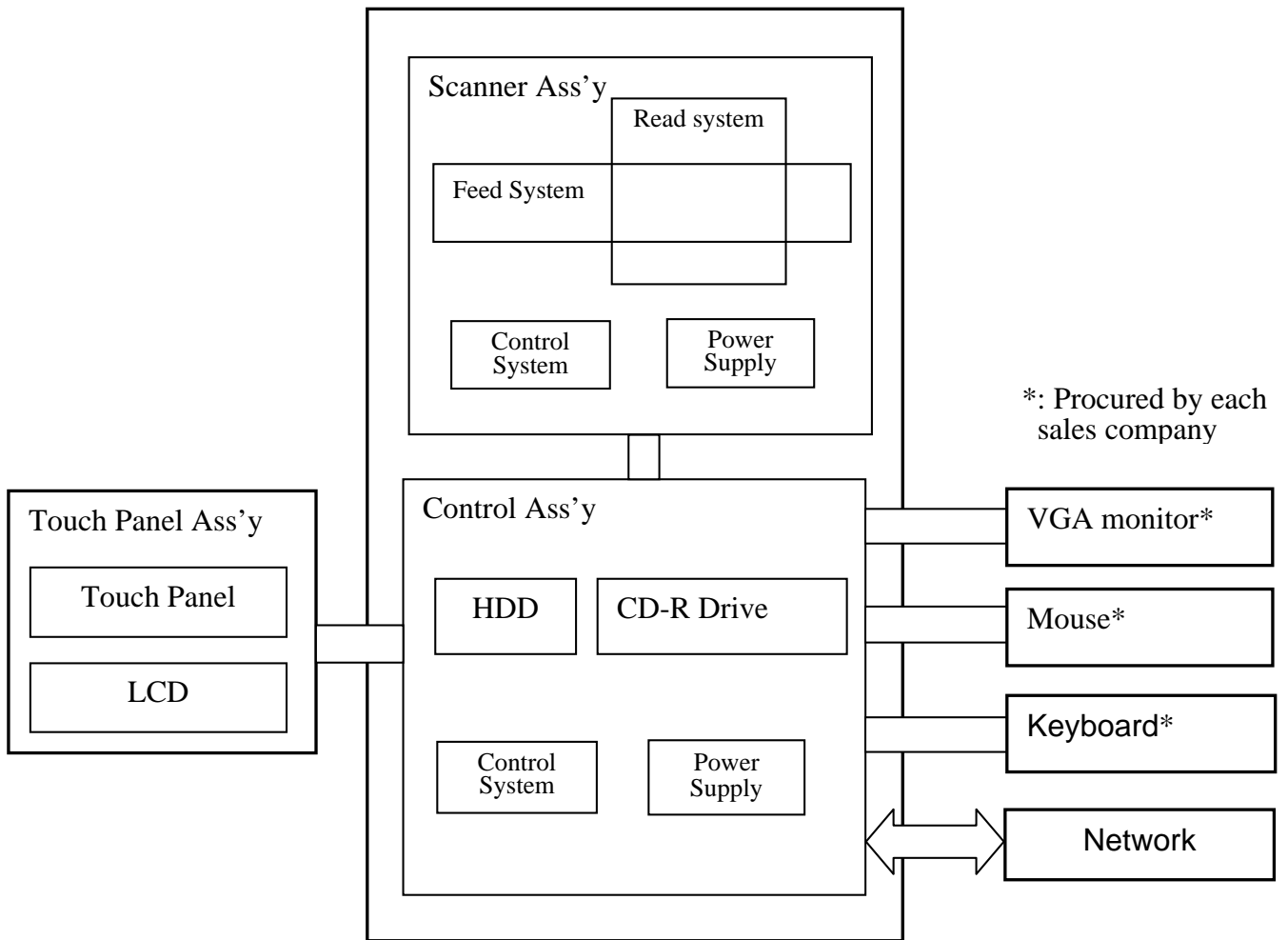


Figure 2-1

II. Layout of Electrical Components

The Touch Panel Assembly and Control Assembly, which the new parts have been added to, are as follows.

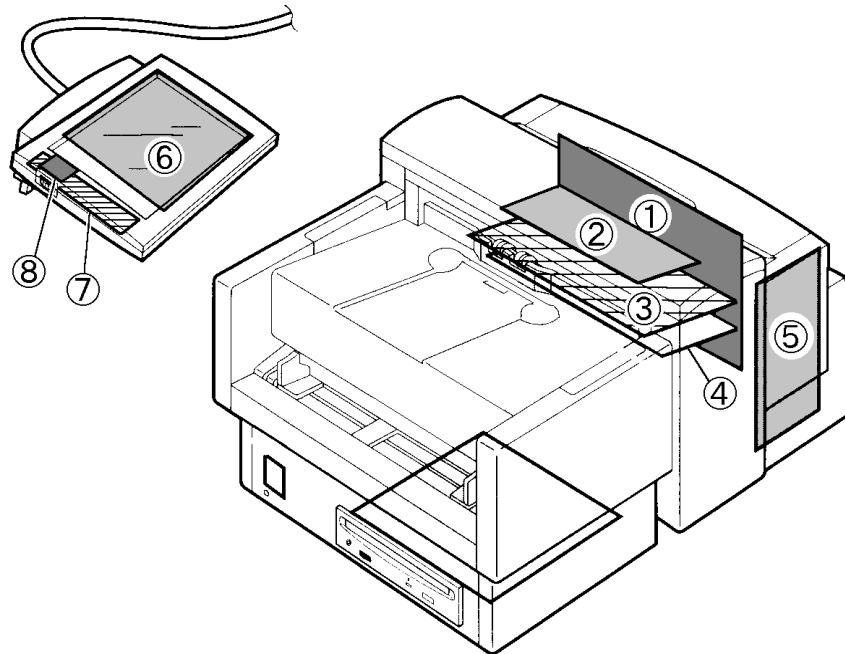


Figure 2-2

No.	Description	Function
①	Back Plain PCB	Signal relay and voltage conversion between circuit boards.
②	LAN Card	Interface control for networking.
③	CPU Board	Control of Scanner Assembly and communication with Control Assembly
④	SCSI Board	Interface control for SCSI
⑤	Power Supply PCB	DC power supply to Control Assembly
⑥	Display PCB Unit	Operation of LCD & Touch Panel and communication with Control Assembly
⑦	Inverter PCB	Lighting of LCD back light.
⑧	Volume PCB	Contrast adjustment of LCD (succeeded from CD-4046)

Table 2-1

III. Lists of VR, SW & LED for Each Circuit Board/Unit

* Below shown are the new parts only.

1. CPU Board

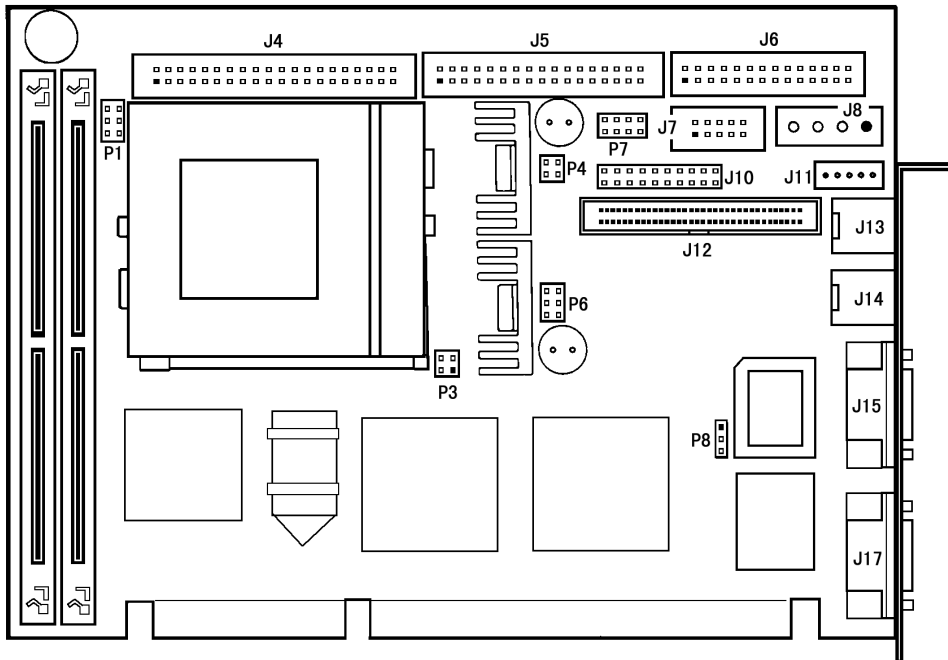


Figure 2-3

● Jumper pin setting

Jumper No.	Drawing	Setting
P1		1-6, 3-4 shorted
P3		1-4 shorted
P4		2-3 shorted
P6		2-5 shorted
P7		2-7, 4-5 shorted
P8		opened

Table 2-2

Note: The above settings should not be changed in the field.

2. SCSI Board

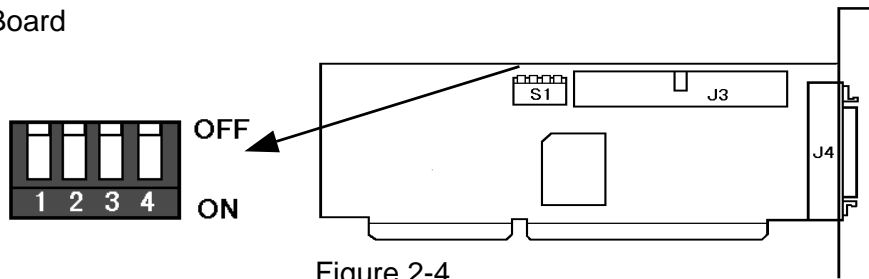


Figure 2-4

S1 No.	Setting Details
1	OFF: Operational setting of SCSI Board
2	OFF: Operational setting of SCSI Board
3	OFF: Operational setting of SCSI Board
4	OFF: I/O port address

Table 2-3

Note: The above settings should not be changed in the field.

3. LAN Card

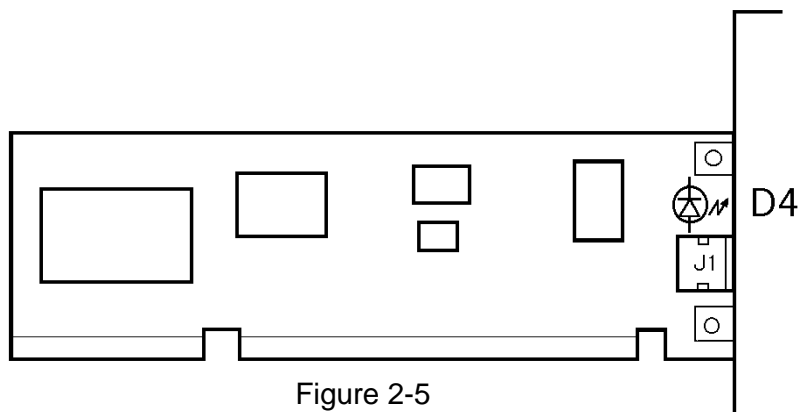
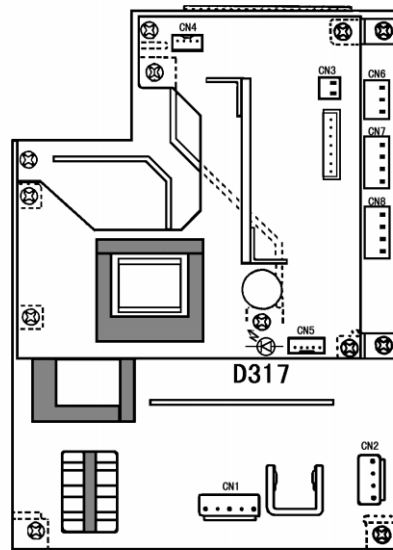


Figure 2-5

LED No.	Indication
D4	Lit when LAN cable is connected.

Table 2-4

4. Power Supply PCB



LED No.	Indication
D317	Lit when AC power is supplied.

Table 2-5

5. Back Plane PCB

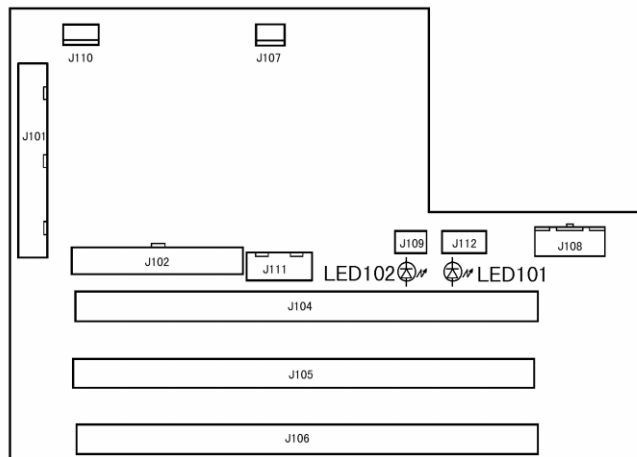


Figure 2-7

LED No.	Indication
LED101	Lit when +12V DC is supplied.
LED102	Lit when +5V DC is supplied.

Table 2-6

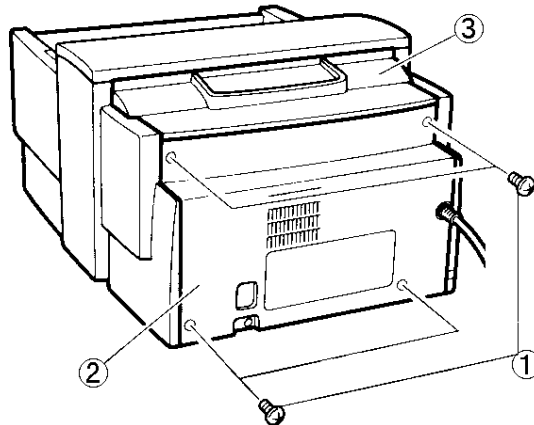
CHAPTER 3

I. Disassembly/Reassembly

Here shown are the Control Assembly, Touch Panel Assembly, HDD and CD-R Drive only, which have been modified.

1. Power Supply Unit

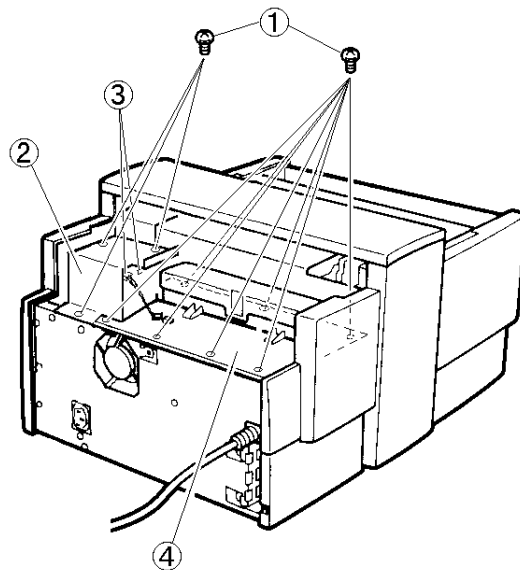
- 1) Remove the screws (①, 4 pcs). Then, remove the rear cover (②) and the upper rear cover (③).



- ① Screws (M4x8)
- ② Rear cover
- ③ Upper rear cover

Figure 3-1

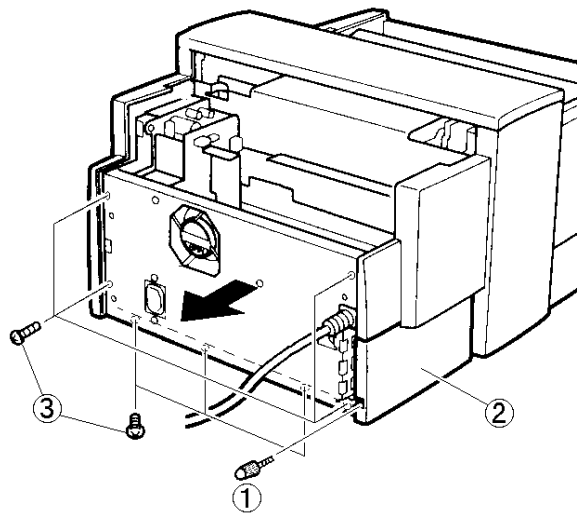
- 2) Remove the screws (①, 7 pcs), and then the power supply shield duct (②). After unplugging the connector (③, 2 spots), remove the battery mounting plate (④).



- ① Screws (M3x4)
- ② Power supply shield duct
- ③ Connector
- ④ Battery mounting plate

Figure 3-2

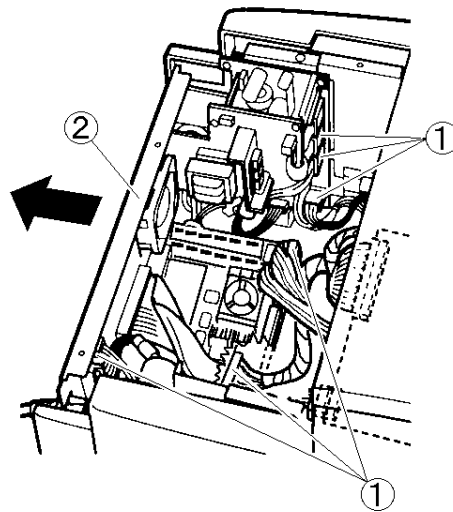
3) Remove the finger grip screw (①) and the external I/F cover(②).
Then, remove the screw (③, 7 pcs) and pull out the Power Supply Unit about 3 cm.



- ① Finger grip screw
- ② External I/F cover
- ③ Screw (M3x4)

Figure 3-3

4) Unplug the connector(①, 6 spots) and remove the Power Supply Unit (②).



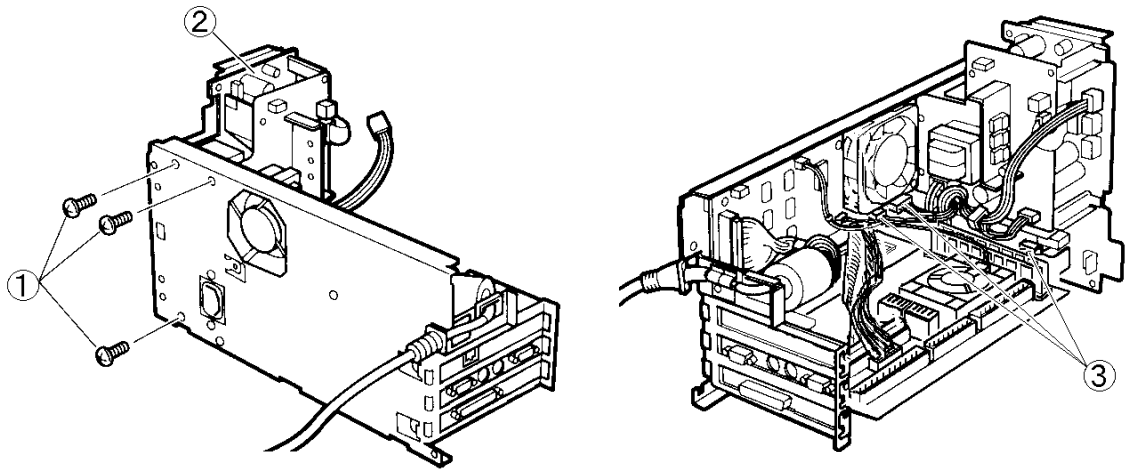
- ① Connector
- ② Power Supply Unit

Figure 3-4

Note: As the Touch Panel Assembly is connected, be cautious not to drop it.

2. Power Supply PCB Ass'y

- 1) Remove the screws (①, 3 pcs), and then the Power Supply PCB Ass'y (②).
Unplug the connector (3 spots).

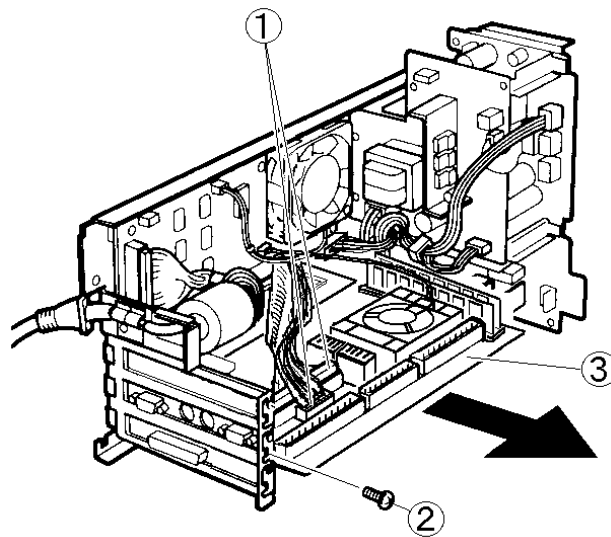


- ① Screws (M3x4)
- ② Power Supply PCB Ass'y
- ③ Connector

Figure 3-5

3. Control CPU PCB

- 1) Remove the connector (①, 2 spots). Remove the screw (②, 1 pc), and then the Control CPU PCB.

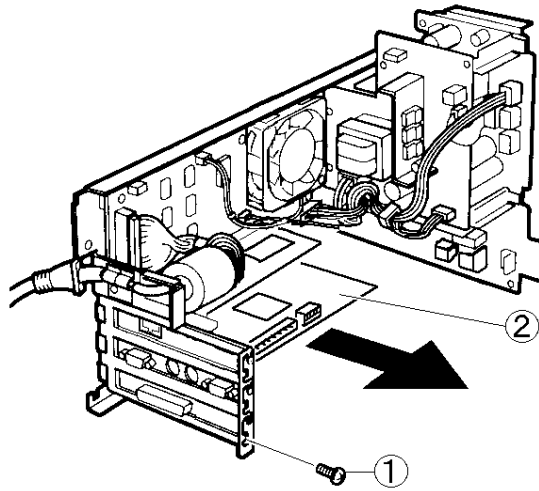


- ① Connector
- ② Screw (TP M3x4, round tip)
- ③ Control CPU PCB

Figure 3-6

4. SCSI PCB

1) Remove the screw (①, 1 pc), and then the SCSI PCB.

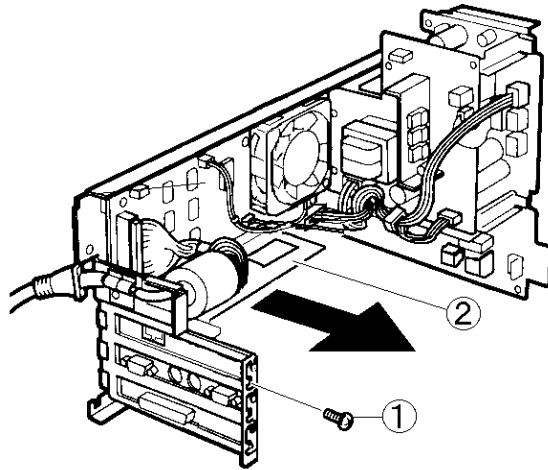


① Screw (TP M3x4, round tip) ② SCSI PCB

Figure 3-7

5. LAN Card

1) Remove the screw (①, 1 pc) and then the LAN Card.



① Screw (TP M3x4, round tip) ② LAN Card

Figure 3-8

Note: When removing the LAN Card, be sure to remove the Control CPU PCB first.

6. CD-R Drive

* Below shown is the Connector Assembly only, which a connector for grounding has been added to.

Remove the faston terminal (①) and the connector (②, 3 spots).

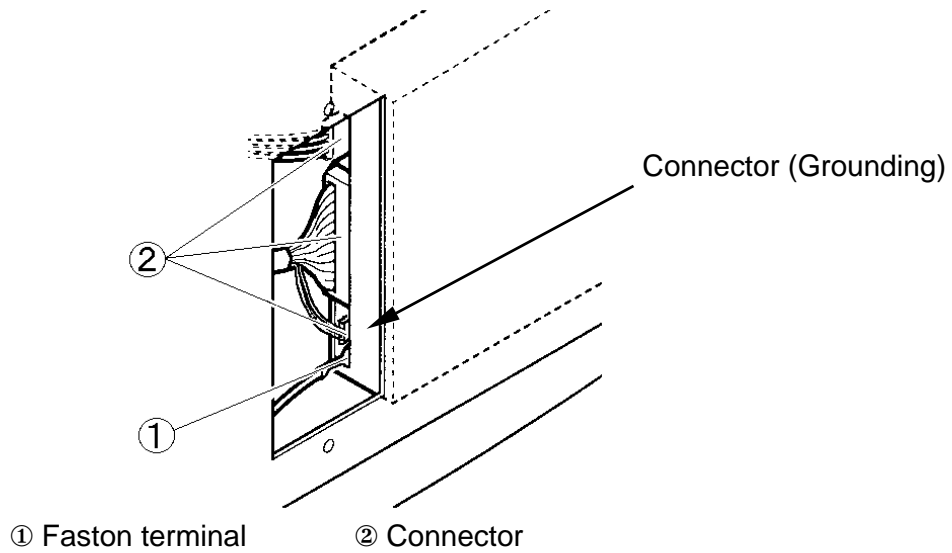


Figure 3-9

7. HDD [220-240V model only]

Below shown is the HDD Connector Assembly, which a faston terminal for grounding has been added to.

Remove the screw (①) and the faston terminal (②). Then, remove the connector (③, 2 spots).

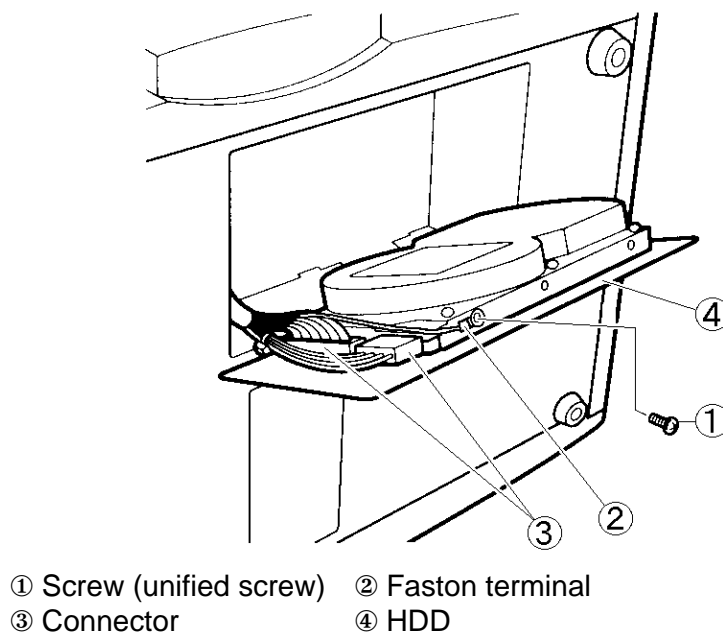


Figure 3-10

8. Touch Panel Assembly

Note: After disassembling/reassembling the Touch Panel Assembly, be sure to calibrate it.

1) Remove the screws (①, 5 pcs), and then the touch panel cover (②).

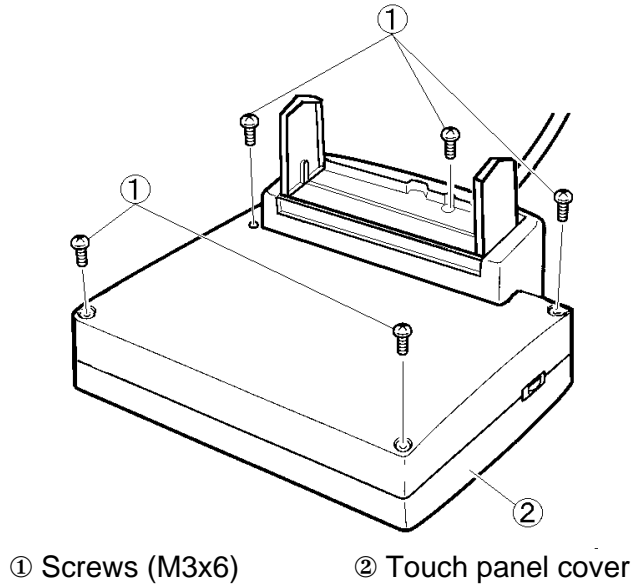


Figure 3-11

2) Remove the screws (M2x8, ①, 3 pcs), and then the positioning boss (③). Also, remove the faston terminal (④) and screws fastened together (M2.5x8, ②, 1 pc).

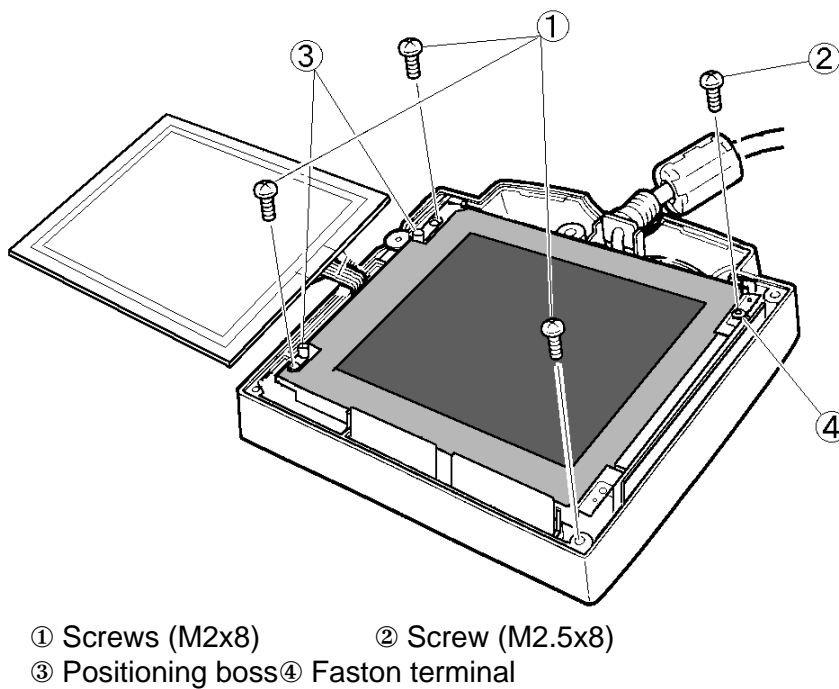
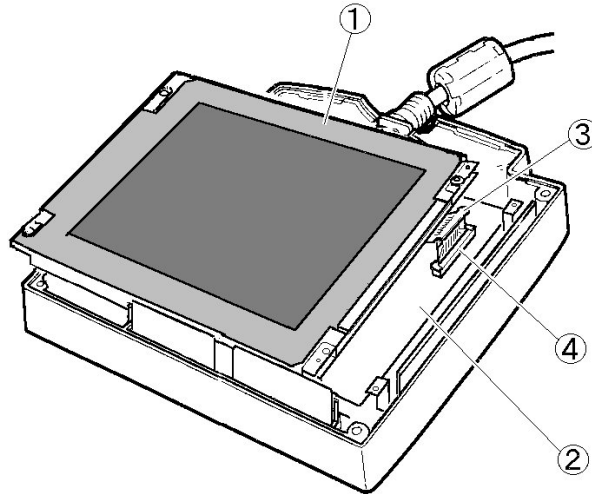


Figure 3-12

3) Lift the TFT LCD Unit (①) up, and unplug the LCD flexible cable board (③) attached to the Display PCB Unit (②) from the connector (④).

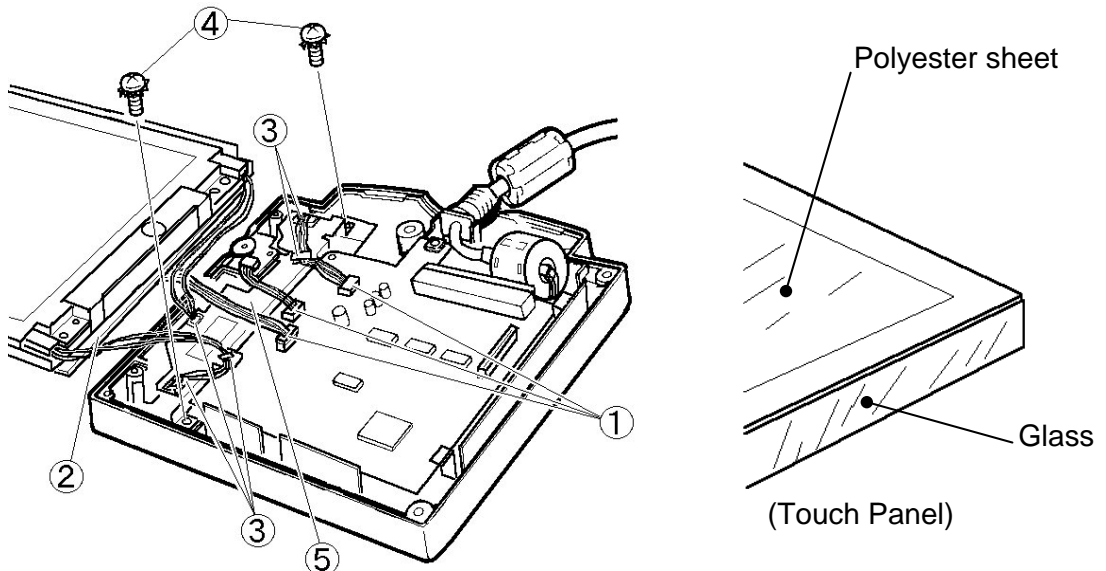


- ① TFT LCD Unit
- ② Display PCB Unit
- ③ LCD flexible cable board
- ④ Connector

Figure 3-13

4) Remove the connector (①, 3 spots), and then the touch panel (②). Unhook the cable from the wire clamps(③, 5 pcs). Remove the screws (④, 2 pcs), and then the inverter noise screen (⑤).

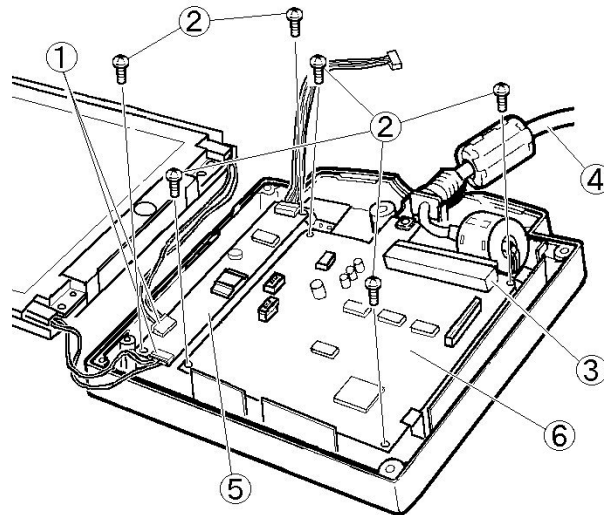
Note: When mounting the touch panel, be sure to face the polyester sheet on the touch panel (touching side) up.



- ① Connector
- ② Touch Panel
- ③ Wire clamp
- ④ Screws (M3, w/washer)
- ⑤ Inverter noise screen

Figure 3-14

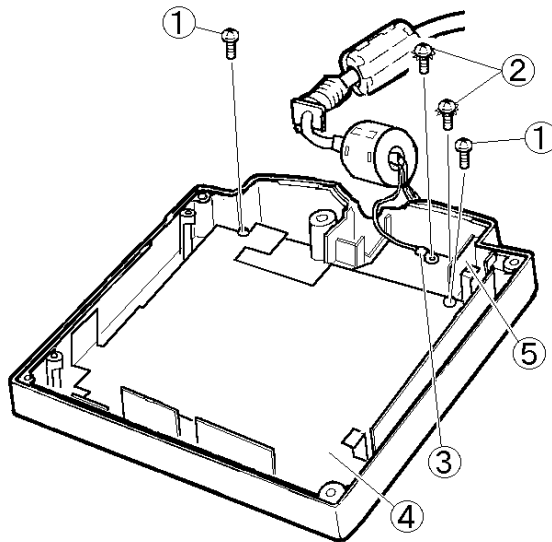
5) Unplug the connector (①, 2 spots) and remove the TFT LCD Unit. Also, remove the screws (②, 6 pcs) and the inverter (⑤). Then, remove the connector of the Display PCB Unit (③), the main relay cable (④) and finally the Display PCB Unit (⑥).



- ① Connector
- ② Screws (M2x4)
- ③ Connector
- ④ Main relay cable
- ⑤ Inverter
- ⑥ Display PCB Unit

Figure 3-15

6) Remove the screws (①②, 4 pcs), the faston terminal (③), the mounting plate for the Operation Assembly (④) and the cable shield plate (⑤).



- ① Screws (M3, self-tapping)
- ② Screws (M3, w/washer)
- ③ Faston terminal
- ④ Mounting plate for Operation Assembly
- ⑤ Cable shield plate

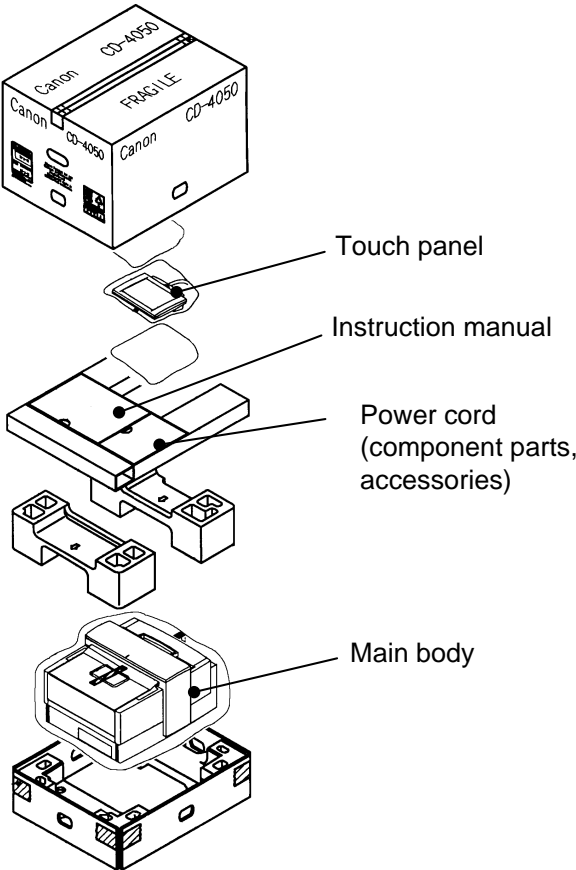
Figure 3-16

II. Installation

1. Unpacking and Installation Procedure

Note: When the machine is moved from a cold location to a warm location, the surface of the machine will have moisture. This phenomenon is called dew condensation and may cause a trouble if the machine is used in this condition.

To prevent this, when installing the machine after moving it from a cold location to a warm location, at least one hour should be allowed for the machine to warm up to room temperature before the shipping container is opened for installation.

No.	Procedure	Inspection / Remarks
1	<p>Open the container.</p> <p>Note: Gross weight is approx. 25.5Kg and dimensions are approx. 508(W) x 627(D) x 443(H)mm.</p> <p>Touch Panel Ass'y and Main Body are connected by a relay cable.</p>	
2	<p>Take component parts and accessories out of the container.</p>	<p>Check if all the below items are in the container.</p> <ul style="list-style-type: none"> - Main body (Main body Ass'y + Touch panel Ass'y) - Power cord - Delivery support plate - CD-R and Caddy - Notes: "Read Me" - Instruction manuals (2 pcs) - Function sheets [220-240V model only] - Ferrite cores (3 pcs) - Cable bands (6 pcs)

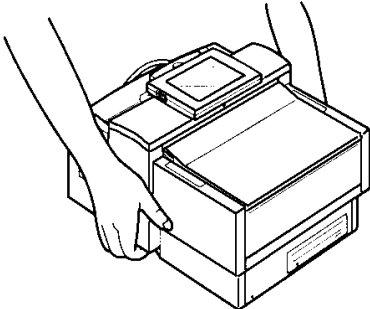
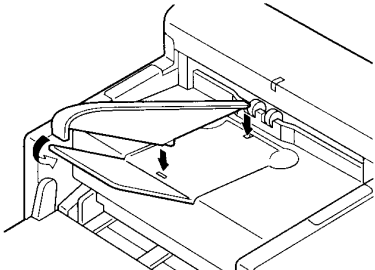
No.	Procedure	Inspection / Remarks
3	Move the main body to where it is to be installed. Note: When moving it, hold the bottom center at the right and left sides of the cover with both hands as shown right. The machine weighs approx. 21Kg.	
4	Peel off all the filament tapes securing the various parts.	Check all the covers for possible damage incurred during transportation.
5	Open the Feeding Ass'y and remove the protective sheet from the Reading Glass Ass'y. Note: The removed protective sheet may be kept for possible future truck transportation.	
6	Connect the power cord. Connect the keyboard and the mouse.	(Refer to II- 2.)
7	Mount the delivery support plate as necessary. (It is useful when the original documents are thin and long.)	

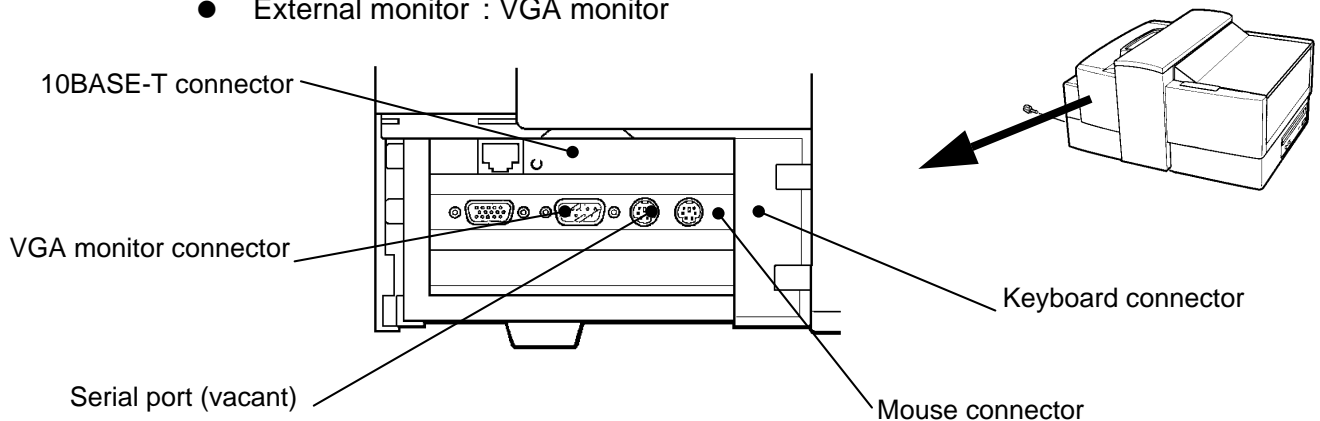
Table2-1

2. How to connect Keyboard, Mouse and External Monitor

1) Specifications

If a user wishes to have a keyboard and a mouse used, each sales company should provide them individually. The keyboard and mouse should satisfy the following specifications.

- Keyboard : IBM PS2 compatible keyboard (101,103 or 106 keyboard)
- Mouse : PS2 compatible mouse
- External monitor : VGA monitor



2) Mounting of Ferrite Core (220-240V model only)

There should be the ferrite cores (3 pcs) and the cable bands (6 pcs) as accessories in the container. When connecting a keyboard, mouse and/or a LAN cable, mount ferrite cores as shown below.

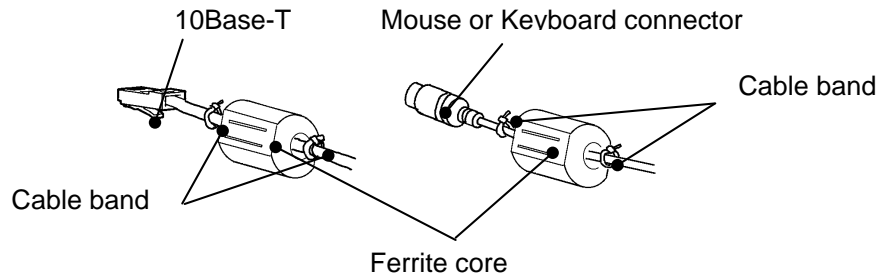


Figure 2-1

3) Connecting to Network

The connection to a network should be implemented by the network administrator.

III. Maintenance and Servicing

Some parts must be replaced periodically to maintain the machine's functions to a constant standard. The following table shows the parts that must be replaced periodically (parts that greatly influence machine operation when they are no longer functional but are not externally deformed or damaged).

Preferably these parts should be replaced when periodic servicing is carried out closest to the recommended replacement cycle.

As of February 2, 2000

No.	Part Name	Part Number	Q'ty	Replacement Cycle (number of sheets)	Remarks
1	Pickup roller	MA2-4321	1	500,000	
2	Resist drive roller	MA2-4335	1	500,000	
3	Feed roller	MA2-4332	1	500,000	
4	Separation roller	MA2-4339	1	500,000	(CD-4050)
5	Separation roller (S)	MA2-5075	1	250,000	(CD-4050N)
6	Front feed roller	MA2-4424	1	500,000	(CD-4050)
7	Front feed roller (S)	MA2-5077	1	500,000	(CD-4050N)
8	Rear feed roller	MA2-4425	1	500,000	(CD-4050)
9	Rear feed roller (S)	MA2-5078	1	500,000	(CD-4050N)

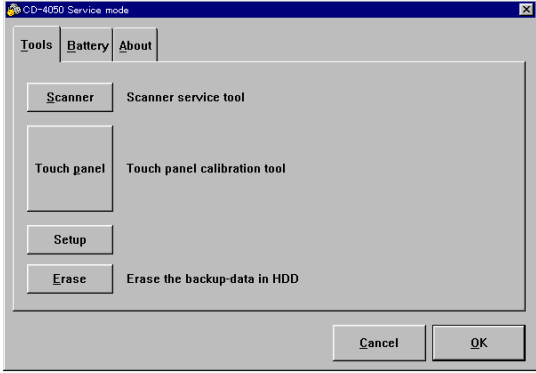
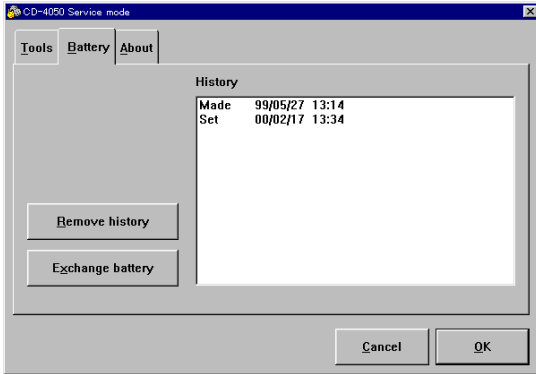
Table 3-1

Note: The above figures are only estimated values and may be changed according to data obtained from experience.

IV. Service Mode

1. List of Service Modes

The table below shows a list of Service Modes. The newly added items are indicated with “*” in their heads.

Tab	Item	Description
Tools		
	Scanner	Starts up servicing software for Scanner Ass'y. Use this when adjusting Scanner Ass'y.
	Touch panel	Starts up calibration software for Touch Panel. Use this when calibrating touching positions.
	*Erase	Deletes backup data stored in the HDD. This button will not appear after the installation date at user's site is set. Note: Because this button is provided for factory use, do not press it even if displayed.
	*Setup	Searches route directory of a disc inserted in the CD-R drive and execute a batch file named "SETUP.BAT". This is meant to execute upgrade. Details will be announced at each upgrade.
Battery		
	History	Always displays battery installation date.
	Remove history	Deletes battery installation date. Use this when date was set incorrectly.
	Exchange battery	Sets battery installation date. Use this when battery was replaced.

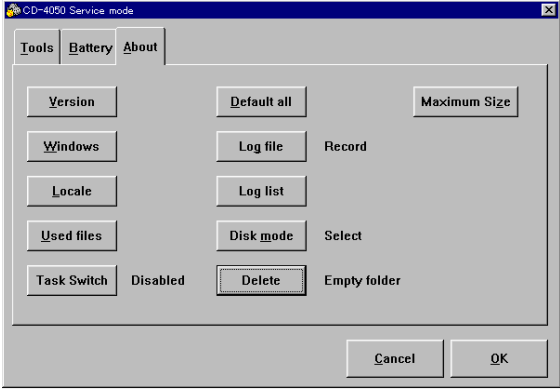
Tab	Item	Description																								
About																										
	Version	Displays version of CD-4050.																								
	Windows	Starts up Windows95 "Explorer". Use this when reinstalling software.																								
	Locale	Starts up Windows95 "Area Property". Note that it is for multi-language, not used for Japanese or English version.																								
	Used files	Displays a list of files used by CD-4050.																								
	*Task Switch	Switches between Enabled/Disabled for Windows95 task-switching key (Ctrl+Esc, Alt+Tab, Ctrl+Alt+Del). Default is set to Disabled. In the service mode, task-switching key is always Enabled regardless of this setting. Note: To prevent users from changing this setting by accident, set task-switching key to Disabled in the field.																								
	Default all	Defaults all settings, except for battery and area settings.																								
	Log file	Switches between Yes/No for recording logs on the HDD. Set it to Yes for recording in the field.																								
	Log list	Displays a list of log files and their contents.																								
	Disk mode	Switches between setting methods for disc mode.																								
	*Delete	Sets operations when the delete button was pressed in the "Tool Box" screen. Disabled Disables to use the delete button. (The button is not displayed.) Empty folder Enables to delete cabinets or folders only when they are empty. Both file and folder Enables to delete cabinets or folders even when some documents exist in them. A display to select a task (to delete only documents in selected folders, or to delete selected cabinets/folders as a whole). Note: The default setting is "Empty folder," which is the product specification, and therefore, should not be changed.																								
	*Maximum Size	Displays choices of the maximum size for disc recording and mail mode recording in byte units. They can be modified by using the keyboard. Note: DO NOT change the displayed default values. [Default values] <table style="margin-left: 40px;"> <tr> <td>Disk</td> <td>104857600</td> <td>Mail</td> <td>10485760</td> </tr> <tr> <td></td> <td>52428800</td> <td></td> <td>5242880</td> </tr> <tr> <td></td> <td>20971520</td> <td></td> <td>2097152</td> </tr> <tr> <td></td> <td>10485760</td> <td></td> <td>1048576</td> </tr> <tr> <td></td> <td></td> <td></td> <td>102400</td> </tr> <tr> <td></td> <td></td> <td></td> <td>51200</td> </tr> </table>	Disk	104857600	Mail	10485760		52428800		5242880		20971520		2097152		10485760		1048576				102400				51200
Disk	104857600	Mail	10485760																							
	52428800		5242880																							
	20971520		2097152																							
	10485760		1048576																							
			102400																							
			51200																							

Table 4-1

2. Others

When having failed to calibrate the Touch Panel and being unable to operate the machine through the Touch Panel, enter the service mode by using the mouse to execute the calibration once again.

If any mouse is not available, the calibration screen can be started up in the following procedure.

- ① Turn the power ON and bring up the Main screen.
- ② Press the power supply switch 10 seconds or longer.
- ③ Let go off the switch about 1 second.
- ④ Press the switch again 10 seconds or longer.
- ⑤ Let go off the switch again about 1 second.
- ⑥ Press the switch once again 10 seconds or longer.
- ⑦ The Touch Panel calibration screen starts up.
- ⑧ Execute the calibration.

Power Supply Switch

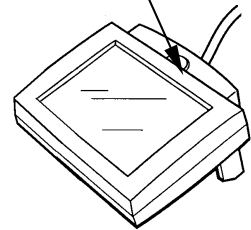


Figure 4-1

V. Warnings/Error Messages

If any error occurs to this machine, a message appears on the Touch Panel. Here shown are the warnings/error messages related to the newly added Network, Barcode, OCR and MICK functions. Regarding the basic remedies, refer to the CD-4046 Service Manual.

1. Errors related to Network function

No.	Message	Description/Remedy
45	The network name cannot be found.	A selected network name is no longer present in the entire network, or the power to the PC is off. Or, this network name has been changed. If so, press OK and retry to access with the correct name.
47	There are currently no logon servers available to service the logon request.	It occurs when the access to the server can not be found. Report to the network administrator for the server confirmation.
48	Network Error	Other network error. Check the network.
49	The network is not present or not started.	It occurs when the access to the server can not be found. Check the network.
79	Network access is denied	It occurs when the access to the network is denied. Check the network.

100	Network extend error.	Other network extension error. Check the network.
118	The specified network provider name is invalid.	It occurs when the network provider name is incorrect. Confirm the network provider name.
119	The operation being requested was not performed because the user has not logged on to the network.	It occurs when the network cable is not connected properly. Check the network cable connection.
129	Up to xx receiver's names can be registered. Unable to register more names.	It occurs when the number of receiver's names registered in the mail mode exceeds the maximum limit. 500 addresses at maximum. Delete some receiver's names that are not needed.
131	Could not disconnect network connection with xx.	Failed to disconnect the network because of such reasons as the network connection with xx has no longer been present. Check the network.
137	That name has already been registered. You cannot create the name.	Created the same name as a name already registered in the mail mode. Change the registered name, or create under a different name.
140	Hierarchy is too deep. You cannot create more documents and folders.	Failed to create documents/folders because the pass name was longer than the length permitted by the file system.
141	Hierarchy is too deep. You cannot store field setup.	Failed to store field setup because the pass name was longer than the length permitted by the file system.
142	Hierarchy is too deep. You cannot get document list.	Failed to get document list present in that hierarchy because the pass name was longer than the length permitted by the file system.
148	Some documents left without being sent. You cannot delete this receiver's address.	Failed to delete this receiver's address because some documents left without being sent. Retry to send the documents, or delete the documents before deleting the receiver's address.

149	Hierarchy is too deep. You cannot retrieve under this folder.	Failed to retrieve documents under this or deeper hierarchy because the pass name was longer than the length permitted by the file system.
150	You cannot access shared folder. (A message, "Can not access to xx. Quit access to this network?" appears on the display.)	Failed to access a shared folder due to a trouble in the network environment. Press the [OK] button to restrain access to this shared folder. Or, press the [Cancel] button to continue to access to this shared folder regarding the error as temporary. Correct the trouble in the network environment before retrying to access to the folder that had the error.
152	Rejected your access to xx.	Access from CD-4050 was not permitted in the settings of a shared folder. Report to the network administrator for the change of the settings so that access from CD-4050 can be permitted.
153	File sharing service not started.	Confirm that file sharing service has started.
158	You failed to send the mail.	Failed to send the mail because such reasons as LAN cables are not connected, or the mail server was not found. Check the connections and settings in the system and retry to send the mail.
165	Following message returned from the Server.	Failed to send the mail and an error was returned from the server because of such reasons as the mail address was incorrect. Follow the directions returned from the sever to correct the error.
168	Unable to send documents of more than xx.	Failed to send documents selected from the disk because the size of the mail exceeded the maximum size set in the "Basic setup" screen. It is impossible to send these documents.

2. Errors related to Recording

Table 5-1

No.	Message	Description/Remedy
154	Unable to record documents of more than xx continuously.	Failed to record documents continuously because the total size of documents exceeded the maximum recording size set in the "Basic setup" screen. Start new recording, or change the maximum recording size to record them continuously.
155	xx of documents being recorded, system quit recording more.	In the midway of recording, the size of documents reached the maximum recording size set in the "Basic setup" screen. Start new recording, or change the maximum recording size to record them continuously
---	Reading Error	In the partial reading of OCR, MICR, or barcode, no characters were found in the area designated by user, or, the area designation / brightness settings were incorrect. Enter the correct character strings checking the image on the reading result verify screen. Change the area designation / brightness settings if incorrect.

---	Number of Character Error.	In the partial reading of OCR, MICR, or barcode, the number of read characters does not match with the number set by user because dirty spots were mistakenly read as characters, or some characters were not read. Or, the area designation / brightness settings were incorrect. Enter the correct character strings checking the image on the reading result verify screen. Change the area designation / brightness settings if incorrect.
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Table 5-2

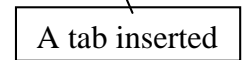
3. Other Sending Error

When sending a mail with a long-named file attached, a tab may be inserted in the file name, depending on receiver's mailing software, and therefore the attached file may not be opened.

[e.g.]

Application for CD4050N__00001.TIF → Application for CD4050N__00001.TI F

(OK) (NG)



Since this phenomenon varies according to the specification of each mailing software for handling file names, be cautious in using a long file name.

When this malfunction occurs, change the mailing software, or shorten the file name.

4. Indication for internal battery replacement

The internal battery built in this machine activates when a power failure occurs or the power cord is unplugged for the shutdown processing to prevent the data in the CD-R disc and the HDD from being lost before shutting down the CD-4050 system.

However, in the case that the shutdown processing started in the midway of document scanning, the power supply to the Feeding Assembly and the Scanner Assembly will be stopped at that moment. Therefore, it will be required to confirm whether images have been scanned normally.

If the automatic shutdown processing activates after the battery life expired, it may result in damaging the CD-R disc or losing the data due to an insufficient supply of the power.

In order to protect data, replace the battery at the earliest possible time if the indication of the battery replacement appears.



The battery replacement period is specified according to the uncharged condition for 15 months from the production date of the machine. The usage period of the battery after the replacement should be 2 years.

Note: Instruct users not to start recording for the protection of their data whenever there is a possibility of a power failure due to thunderstorm, hurricane, cyclone and others.

VI. Part Replacement

After the LAN card replacement, or the program installation from the Recovery CD, the LAN card driver may be installed once again by the “Plug & Play” function of Windows95 when the power of CD-4050 is turned ON. Below shows how to install the LAN card driver.

Note:

When the LAN card driver is installed, a message, “Do you want to restart your computer now?” from Windows95 appears, but cancel all to go back to the CD-4050 system. Then, turn the power OFF and restart the system.

When the system is restarted by selecting “YES” in the above procedure, Windows95 may start in the safe mode. If so, the operation noise from the HDD can be heard, but the LCD display remains black and nothing appears on the display. In this case, wait until Windows95 starts up (approx. 3 minutes), and then press the reset switch located on the front of the Main Body with a piece of wire. Turn the power OFF once and turn it back ON to restart the system.

1. Installation of LAN Card and LAN Card Driver

1) Turn the power of CD-4050 ON.

2) The LAN card is retrieved by the “Plug & Play” function of Windows95 and “Update Device Driver Wizard” appears to execute the driver installation.



- Press the “Enter” key. (Or, select “Next >”.)

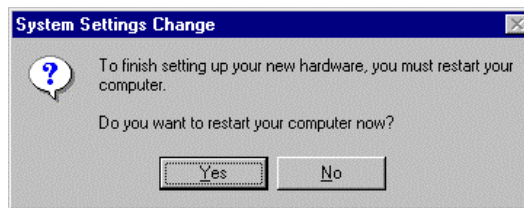
3) After a while, the following message appears.



- Press the “Enter” key. (Or, select “Finish”).

NE2000 Compatible Driver should be installed from the System File of Windows95 present in the HDD.

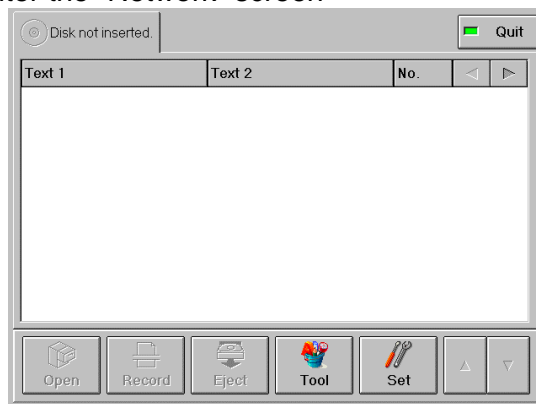
4) When the installation is completed, the CD-4050 system starts up. If a message for restart appears, press the “N” key (or, select “No”) to go back to the CD-4050 system.



2. Network Settings

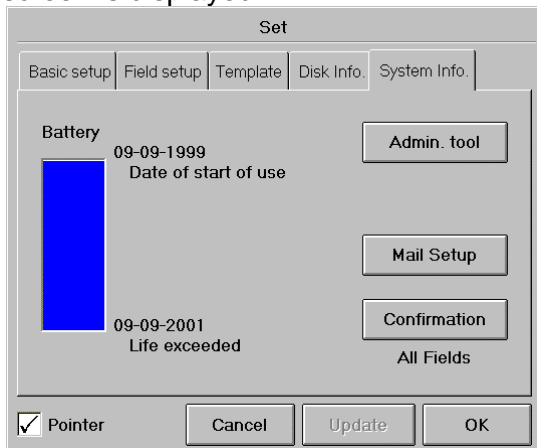
Note: The network settings must be implemented by the network administrator or an experienced person with sufficient knowledge of networking.

1) How to enter the “Network” screen



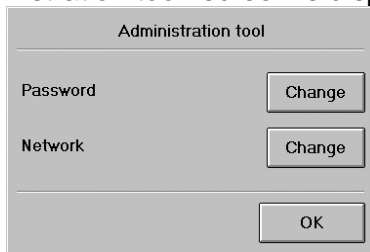
- Turn the power ON and bring up the Main screen.
- Press “Set”.

2) The "Set" screen is displayed.



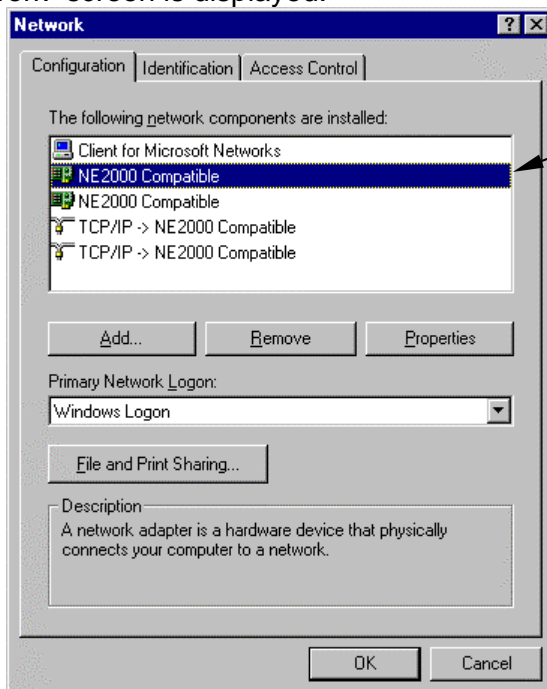
- Press "Admin. Tool".

3) The "Administration tool" screen is displayed.



- Press "Change" for Network.

4) The "Network" screen is displayed.



Delete the upper "NE2000 Compatible".

- In case that two "NE2000 Compatible" cards are shown, delete the upper "NE2000 Compatible" card. (The "NE2000 Compatible" card installed should be the lower one.)
- Set other items.

- Go back to the CD-4050 system.

Note:

- When two “NE2000 Compatible” cards are shown, be sure to delete the upper “NE2000 Compatible” card.
- After the network setting is completed, DO NOT restart the system even if a message for restart appears. Go back to the CD-4050 system, turn the power OFF once, and then turn the power back ON to restart the system.

3. Reinstallation of Software

How to reinstall the software is basically the same as that of CD-4046. However, BIOS settings are different from those of CD-4046. Below shows BIOS settings and other points to be noted.

1) BIOS settings

BIOS settings should be the default values.

In the case of CD-4046, HDD setting is changed at the time of reinstallation. However, in the case of CD-4050, BIOS settings do not need to be changed since “Master” and “Slave” are set by “Auto” (automatically) through the HDD setting in the BIOS settings.

How to enter the BIOS screen for the setting confirmation is shown below.

[How to Enter BIOS Screen]

- ① Connect the keyboard and turn the power of CD-4050 ON.
- ② After a buzz sounds, keep pressing the “Delete” key .
- ③ Enter the BIOS screen.

Note: All BIOS settings should be the default values and NEVER be changed. If the settings are changed accidentally, correct them back to the default values according to indications shown on the BIOS screen.

2) HDD Service Tool

The part numbers for the HDD service tools are as follows:

- Recovery CD (for overseas) -----TKM-0310-000
- HDD with Tool installed (for overseas) -----TKM-0312-000

The service tool HDD used for reinstallation of the software must be TKM-0312-000 for CD-4050.

If the service tool HDD for CD-4046 is used, the reinstallation of the software will be failed because the drivers for the Touch Panel, SCSI card and others differ.

Any service tool HDD for CD-4046 once used incorrectly must not be used again since the settings of Windows95 may have been changed.

When reusing this incorrectly used HDD, the software must be reinstalled first.

VII. Delete Function

As noted in IV. Service Mode, Page 21, the "About-Delete" setting should be set to "Empty folder"; however, if strongly requested by a customer, you may set it to "Both file and folder". In this case, be sure to give the customer a copy of the note explaining the "Delete" function and inform them that Canon Electronics Inc. assumes no liability for accidental data loss. The note mentioned above should be distributed to all sales companies by Marketing & Planning Division of Canon Electronics Inc.

When the "About-Delete" setting is set to "Both file and folder" and data in a CD-R disc is deleted in this setting, the following will be recorded in the CD-4050 log.

[Deleted Date] Delete [Full path name of deleted folder/file] (e.g. [2000-02-24 13:28:15] Delete E:\.....)

VIII. Interchangeability between CD-4046 and CD-4050

There is a one-way interchangeability between CD-4046 and CD-4050 (only from CD-4046 to CD-4050).

Because the barcode information and OCR information are newly added to the field setting information of CD-4050, the setting information differs from that of CD-4046. In a disc created with CD-4046, the "Docs.ini" exists as the setting file. If data is newly recorded on this disc with CD-4050, the "Docs2.ini" file will be created. When retrieving the data with CD-4050, the "Docs2.ini" file will be used as the setting file whereas if retrieving the data with CD-4046, the "Docs.ini" will be used.

Therefore, the field setting of CD-4050 will not be reflected on that of CD-4046.

For instance, if a disc created with CD-4050 has the barcode information, this information will not be viewed with CD-4046.

On the other hand, any disc created with CD-4046 can be viewed with CD-4050.

This is said to be the case of the interchangeability between CD-4046 Ver. 2.0 and CD-4050 as well. Because CD-4046 Ver. 2.0 does not have the OCR/MICR functions, the OCR/MICR information in the field setting information of a disc created with CD-4050 will be regarded as a text.