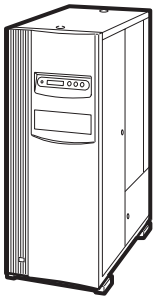
JVC®

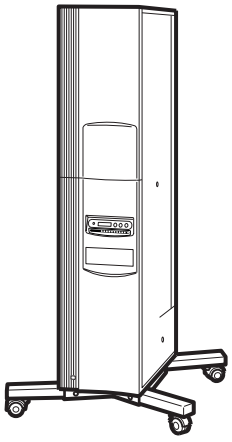
SERVICE MANUAL

CD/DVD LIBRARY

MC-8200LU/MC-8600LU



MC-8200LU



MC-8600LU

SPECIFICATIONS

Item		MC-8200LU	MC-8600LU
Number of stored discs		200	600
Number of magazines		4	12
Operating environment		Temperature: 5°C to 35°C (41°F to 95°F) **(Note 1)** Humidity: 10% to 80% (no condensation)	
Rated power voltage		AC 120 V to 240 V	
Rated power frequency		50 Hz/60 Hz	
Rated current		2.4 A to 1.4 A (max. value), 1.4 A to 0.8 A (6 Drives are loaded)	3.2 A to 1.8 A (max. value), 1.4 A to 0.8 A (6 Drives are loaded)
Power consumption		140 W (Reference value, 6 DVD-RAM drives are loaded)	
Interface		68-pin external SCSI connector	
Drive slots rack bays		6	
Media size		12 cm discs	
Applicable options	Drives	Available drives: DVD-RAM/R drive; MC-R434U; Write/Read: DVD-RAM (Ver. 2.1), DVD-R (for General), CD-R, CD-RW; Read: DVD-ROM, CD-ROM	
		• The relevant specifications for the drives can be found in the appropriate instruction manual. • Concerning the Availability/Compatibility of the drives that are not listed, please contact your dealer or nearest JVC service centre. • The production of a particular drive may be discontinued without prior notice. Therefore, a replacement drive may be changed to a different model. • JVC does not provide a warranty in the case of software not functioning correctly as a result of a drive being replaced or added.	
	Carrier	Single-sided / Double-sided compatible disc carrier: MC-CF10U	
	Magazine	Magazine set: MC-M25U (B)	
Weight		58kg (Excluding the discs and optional equipment)	104kg (Excluding the discs and optional equipment)

No. HM003
Dec. 2003

Important Safety Precautions

Prior to shipment from the factory, JVC products are strictly inspected to conform with the recognized product safety and electrical codes of the countries in which they are to be sold. However, in order to maintain such compliance, it is equally important to implement the following precautions when a set is being serviced.

●Precautions during Servicing

1. Locations requiring special caution are denoted by labels and inscriptions on the cabinet, chassis and certain parts of the product. When performing service, be sure to read and comply with these and other cautionary notices appearing in the operation and service manuals.

2. Parts identified by the ⚠ symbol and shaded ( ) parts are critical for safety.
   Replace only with specified part numbers.
   Note: Parts in this category also include those specified to comply with X-ray emission standards for products using cathode ray tubes and those specified for compliance with various regulations regarding spurious radiation emission.

3. Fuse replacement caution notice.
   Caution for continued protection against fire hazard.
   Replace only with same type and rated fuse(s) as specified.

4. Use specified internal wiring. Note especially:
   1) Wires covered with PVC tubing
   2) Double insulated wires
   3) High voltage leads

5. Use specified insulating materials for hazardous live parts. Note especially:
   1) Insulation Tape 3) Spacers 5) Barrier
   2) PVC tubing 4) Insulation sheets for transistors

6. When replacing AC primary side components (transformers, power cords, noise blocking capacitors, etc.) wrap ends of wires securely about the terminals before soldering.

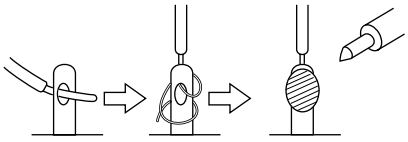


Fig.1

7. Observe that wires do not contact heat producing parts (heatsinks, oxide metal film resistors, fusible resistors, etc.)

8. Check that replaced wires do not contact sharp edged or pointed parts.

9. When a power cord has been replaced, check that 10-15 kg of force in any direction will not loosen it.

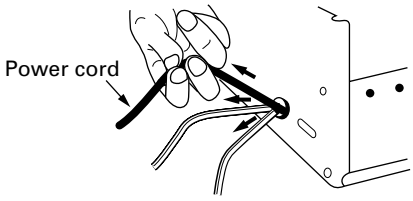


Fig.2

10. Also check areas surrounding repaired locations.

11. Products using cathode ray tubes (CRTs)
    In regard to such products, the cathode ray tubes themselves, the high voltage circuits, and related circuits are specified for compliance with recognized codes pertaining to X-ray emission. Consequently, when servicing these products, replace the cathode ray tubes and other parts with only the specified parts. Under no circumstances attempt to modify these circuits. Unauthorized modification can increase the high voltage value and cause X-ray emission from the cathode ray tube.

12. Crimp type wire connector
    In such cases as when replacing the power transformer in sets where the connections between the power cord and power transformer primary lead wires are performed using crimp type connectors, if replacing the connectors is unavoidable, in order to prevent safety hazards, perform carefully and precisely according to the following steps.

    1) **Connector part number** : E03830-001
    2) **Required tool** : Connector crimping tool of the proper type which will not damage insulated parts.
    3) **Replacement procedure**
       (1) Remove the old connector by cutting the wires at a point close to the connector.
       Important : Do not reuse a connector (discard it).

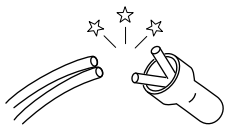


Fig.3

(2) Strip about 15 mm of the insulation from the ends of the wires. If the wires are stranded, twist the strands to avoid frayed conductors.

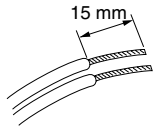


Fig.4

(3) Align the lengths of the wires to be connected. Insert the wires fully into the connector.

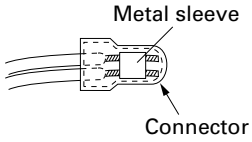


Fig.5

(4) As shown in Fig.6, use the crimping tool to crimp the metal sleeve at the center position. Be sure to crimp fully to the complete closure of the tool.

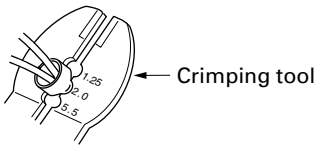


Fig.6

(5) Check the four points noted in Fig.7.

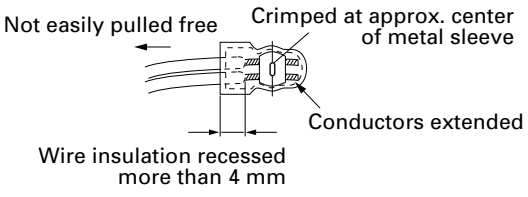


Fig.7

● Safety Check after Servicing

Examine the area surrounding the repaired location for damage or deterioration. Observe that screws, parts and wires have been returned to original positions, Afterwards, perform the following tests and confirm the specified values in order to verify compliance with safety standards.

1. Insulation resistance test
Confirm the specified insulation resistance or greater between power cord plug prongs and externally exposed parts of the set (RF terminals, antenna terminals, video and audio input and output terminals, microphone jacks, earphone jacks, etc.). See table 1 below.

2. Dielectric strength test
Confirm specified dielectric strength or greater between power cord plug prongs and exposed accessible parts of the set (RF terminals, antenna terminals, video and audio input and output terminals, microphone jacks, earphone jacks, etc.). See table 1 below.

3. Clearance distance
When replacing primary circuit components, confirm specified clearance distance (d), (d') between soldered terminals, and between terminals and surrounding metallic parts. See table 1 below.

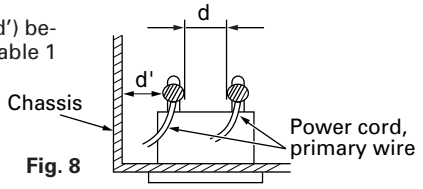


Fig. 8

4. Leakage current test
Confirm specified or lower leakage current between earth ground/power cord plug prongs and externally exposed accessible parts (RF terminals, antenna terminals, video and audio input and output terminals, microphone jacks, earphone jacks, etc.).
Measuring Method : (Power ON)
Insert load Z between earth ground/power cord plug prongs and externally exposed accessible parts. Use an AC voltmeter to measure across both terminals of load Z. See figure 9 and following table 2.

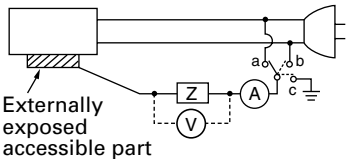


Fig. 9

5. Grounding (Class Ⅰ model only)
Confirm specified or lower grounding impedance between earth pin in AC inlet and externally exposed accessible parts (Video in, Video out, Audio in, Audio out or Fixing screw etc.).
Measuring Method:
Connect milli ohm meter between earth pin in AC inlet and exposed accessible parts. See figure 10 and grounding specifications.

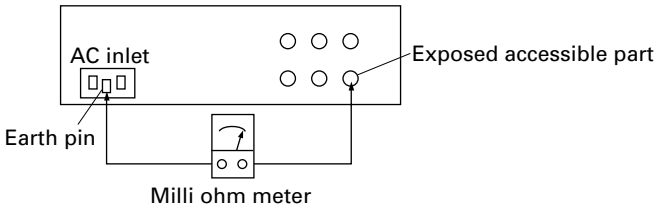


Fig. 10

Grounding Specifications

Region	Grounding Impedance (Z)
USA & Canada	Z ≦ 0.1 ohm
Europe & Australia	Z ≦ 0.5 ohm

AC Line Voltage	Region	Insulation Resistance (R)	Dielectric Strength	Clearance Distance (d), (d')
100 V	Japan	R ≧ 1 MΩ/500 V DC	AC 1 kV 1 minute	d, d' ≧ 3 mm
100 to 240 V			AC 1.5 kV 1 miute	d, d' ≧ 4 mm
110 to 130 V	USA & Canada	–	AC 900 V 1 minute	d, d' ≧ 3.2 mm
110 to 130 V 200 to 240 V	Europe & Australia	R ≧ 10 MΩ/500 V DC	AC 3 kV 1 minute (Class Ⅱ) AC 1.5 kV 1 minute (Class Ⅰ)	d ≧ 4 mm d' ≧ 8 mm (Power cord) d' ≧ 6 mm (Primary wire)

Table 1 Specifications for each region

AC Line Voltage	Region	Load Z	Leakage Current (i)	a, b, c
100 V	Japan	1 kΩ	i ≦ 1 mA rms	Exposed accessible parts
110 to 130 V	USA & Canada	0.15 μF, 1.5 kΩ	i ≦ 0.5 mA rms	Exposed accessible parts
110 to 130 V 220 to 240 V	Europe & Australia	2 kΩ	i ≦ 0.7 mA peak i ≦ 2 mA dc	Antenna earth terminals
		50 kΩ	i ≦ 0.7 mA peak i ≦ 2 mA dc	Other terminals

Table 2 Leakage current specifications for each region

Note: These tables are unofficial and for reference only. Be sure to confirm the precise values for your particular country and locality.

SECTION 1
CIRCUIT BOARD COMPATIBILITY

Model / Unit Name	MC-8100LU	MC-8200LU/8600LU	MC-8100	MC-8200/8600	MC-7100	MC-7200/7600	MC-2100	MC-2200/2200P MC-2600/2600P	MC-1200/1600
SCSI PCB ASS'Y	MC81-SCSI	MC82-SCSI	MC81-SCSI	MC82-SCSI	MC71-SCSI	MC72-SCSI	MC21-SCSI	MC22-SCSI	MC12-SCSI
CHASSIS PCB ASS'Y	MC81-CHAS	MC82-CHAS	MC81-CHAS	MC82-CHAS	MC71-CHAS	MC72-CHAS	MC21-CHAS	MC22-CHAS	MC12-CHAS
CARRIER MECHA ASS'Y	MC21-CARR	MC22-CARR	MC21-CARR	MC22-CARR	MC21-CARR	MC22-CARR	MC21-CARR	MC22-CARR	MC12-CARR
MAIL SLOT ASS'Y	MC12-MAIL								
U/D MOTOR ASS'Y	MC21-UD-M	MC12-UD-M	MC21-UD-M	MC12-UD-M	MC21-UD-M	MC12-UD-M	MC21-UD-M	MC12-UD-M	MC12-UD-M
MAGAZINE SET	MC-M25 (B)				MC-M25		MC-M15		
POWER UNIT ASS'Y	QALD141-001	QAL0538-001	QAL0141-001	QAL0112-001	QAL0141-001	QAL0112-001	QAL0141-001	QAL0112-001	MC12-POWR
CD-ROM DRIVE	—	—	MC-D32/MC-D18		—	—	MC-D32/MC-D18		
CD-R DRIVE	—	—	MC-R18/MC-R14/MC-R12		—	—	MC-R18/MC-R14/MC-R12		
DVD-ROM DRIVE	—	—	MC-D307/MC-D104/MC-D207		—	—	MC-D307/MC-D104/MC-D207		
DVD-RAM DRIVE	—	—	MC-R400/MC-R200		MC-R200		—	—	—
DVD-R DRIVE	—	—	MC-R421	MC-R421	—	—	—	—	—
DVD-RAM/R DRIVE	MC-R434	MC-R434	MC-R433	MC-R433	—	—	—	—	—

*1: The CARRIER MECHA ASS'Y has upward compatibility. (The MC21-CARR can be used with all models.)

SCSI PCB Compatibility Table ○: **Usable.** △: **Usable by replacing ROM.** ×: **Unusable.**

	MC-8100LU	MC-8200LU/8600LU	MC-8100	MC-8200/8600	MC-7100	MC-7200/7600	MC-2100	MC-2200/2600	MC-1200/1600
MC81-SCSI	○	×	○	×	△	×	△	×	×
MC82-SCSI	×	○	×	○	×	△	×	△	×
MC71-SCSI	△	×	△	×	○	×	△	×	×
MC72-SCSI	×	△	×	△	×	○	×	△	×
MC21-SCSI	△	×	△	×	△	×	○	×	×
MC22-SCSI	×	△	×	△	×	△	×	○	×
MC12-SCSI	×	×	×	×	×	×	×	×	○

CHASSIS PCB Compatibility Table ○: **Usable.** △: **Usable by replacing ROM.** ×: **Unusable.**

	MC-8100LU	MC-8200LU/8600LU	MC-8100	MC-8200/8600	MC-7100	MC-7200/7600	MC-2100	MC-2200/2600	MC-1200/1600
MC81-CHAS	○	×	○	×	△	×	△	×	×
MC82-CHAS	×	○	×	○	×	×	×	×	×
MC71-CHAS	△	×	△	×	○	×	△	×	×
MC72-CHAS	×	×	×	×	×	○	×	△	△
MC21-CHAS	△	×	△	×	△	×	○	×	×
MC22-CHAS	×	×	×	×	×	△	×	○	△
MC12-CHAS	×	×	×	×	×	△	×	△	○

CARRIER MECHA ASS'Y Compatibility Table ○: **Usable.** ×: **Unusable.**

	MC-8100LU	MC-8200LU/8600LU	MC-8100	MC-8200/8600	MC-7100	MC-7200/7600	MC-2100	MC-2200/2600	MC-1200/1600
MC21-MCRR	○	○	○	○	○	○	○	○	○
MC22-MCRR	×	○	×	○	×	○	×	○	○
MC12-MCRR	×	×	×	×	×	×	×	×	○
MC-CF10	○	○	○	○	×	×	×	×	×

SECTION 2
PRODUCT SPECIFIC SERVICE ITEMS

2.1 Removal of Major Parts

2.1.1 Replacement of Fuses and Batteries

1. Fuses

Note:
Perform fuse replacements correctly.
Never use a fuse other than that specified by the manufacturer (same model number or its equivalent).

There are four fuses on the chassis PCB and one fuse on the SCSI PCB. When replacing a fuse, be sure to use one having the specified parts number. For the parts number, refer to "5. PCB Ass'y Parts List".
Chassis PCB : F120, F900, F400, F500
SCSI PCB : F2

2. Batteries

Note:
If the battery is not replaced correctly, it could cause an explosion.
Never use a battery other than one specified by the manufacturer (same model number or its equivalent). After replacement, dispose of the expired battery according to the instructions of the manufacturer.

There are two batteries; one on the chassis PCB and the other on the SCSI PCB. When replacing a battery, be sure to use one having the specified parts number. For the parts number, refer to "5. PCB Ass'y Parts List".
Chassis PCB : BT300
SCSI PCB : BT1

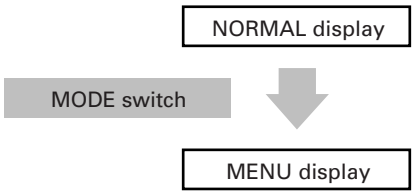
2.1.2 Opening/Closing the Door and Panel Removal

Opening the Door

<In normal condition>

When the power of the main unit is OFF, first turn it to ON.

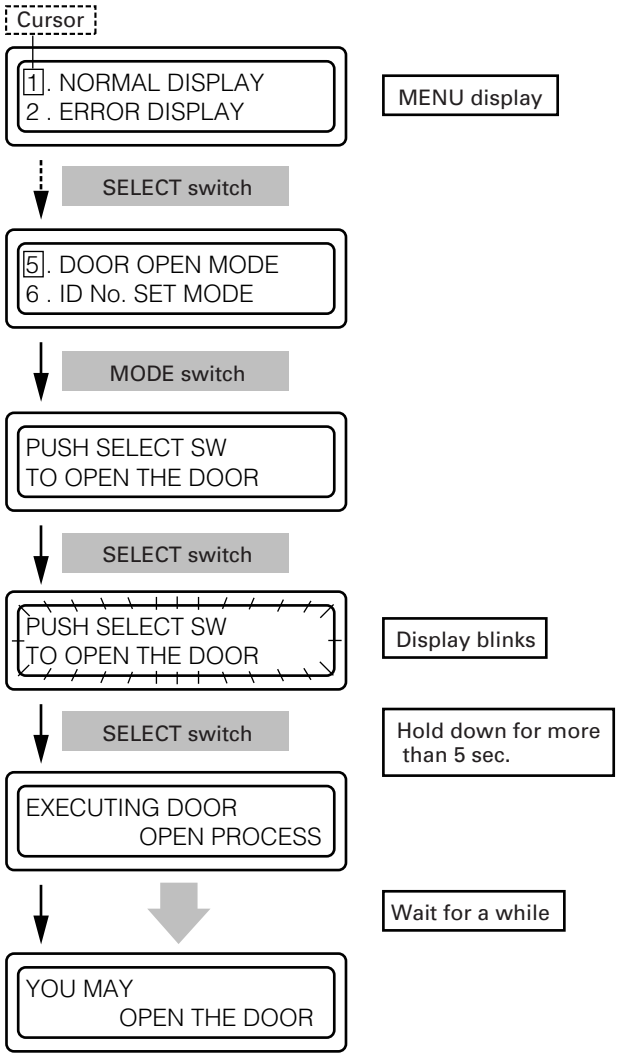
1. Press the MODE switch on the control panel to display the MENU display.



2. Use the SELECT switch to move the cursor to "5. DOOR OPEN MODE" and select with the MODE switch.

3. When the SELECT switch is pressed, the LCD display starts blinking. Hold down the switch for more than 5 seconds, the unit enters the door open mode.

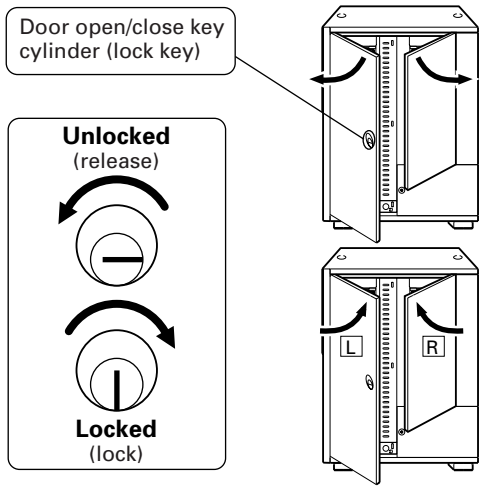
4. When the door open mode operation completes, the message "YOU MAY OPEN THE DOOR" is displayed accompanied by a click sound.
   In this condition, when the MODE switch is pressed without opening the door, the "NORMAL display" (normal operation status) resumes.



5. Turn the power of the main unit to OFF.

6. Insert the key and turn it counterclockwise (by 90°) to release the lock. Now the doors are opened toward you.

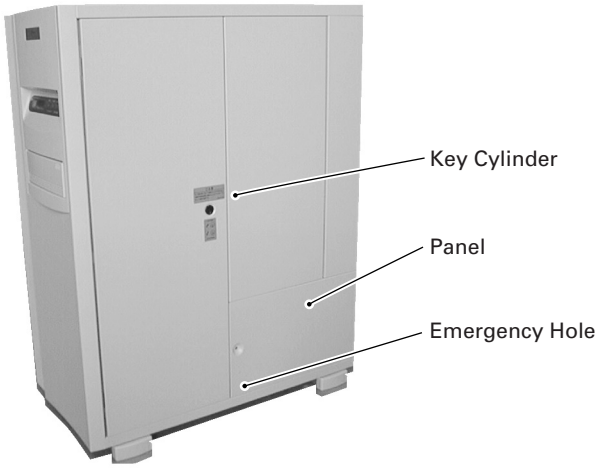
7. When closing the door, first close the [L] door then close the [R] door.
   While holding the door gently, turn the key clockwise (by 90°) to lock it, then pull out the key.

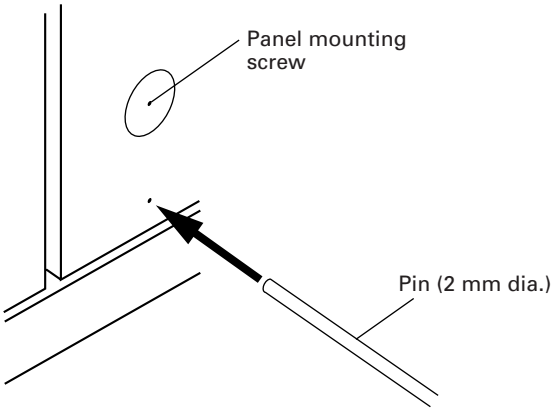


<When trouble occurs>

When the power is not turned on or when electrical or mechanical trouble occurs, the unit will not enter the door open mode with the above operations, and inserting the key cannot open the door. In this case, proceed in the following manner to open the door.

1. Turn the power of the main unit to OFF.
2. Insert a pin having a diameter of approx. 2 mm (or extended spike or clip, etc.) into the emergency hole to release the key lock. With this, you can turn the key to perform the door opening operation.





Removing the Panel

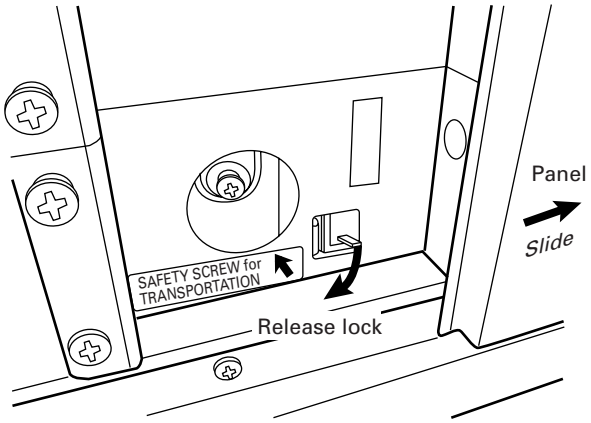
<In normal condition>

Turn the power OFF in standby mode, insert a pin into the emergency hole on the panel, and open the door using the key. Then remove the screw enabling the panel to be removed by sliding it to the right.

Removing the Panel

<When trouble occurs>

When trouble occurs with the carrier stopped at the lower section, remove the panel while release the lock by pressing down the lever shown in the diagram.

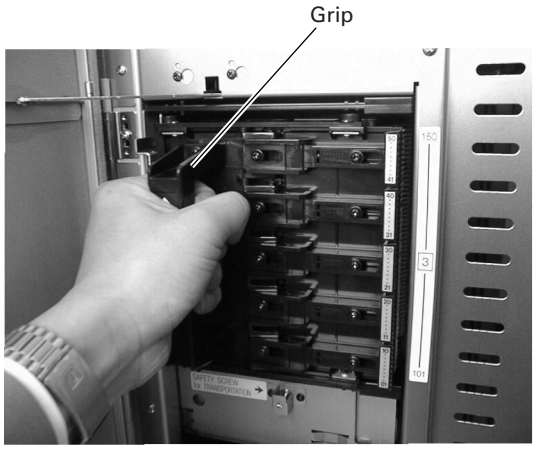


2.1.3 Removing the Magazine

1. Open the door. (Refer to 2.1.2.)

2. Pull the release lever which locks the magazine toward you. The magazine is slightly protruded toward the front.

3. Grasp the grip to remove the magazine toward you.

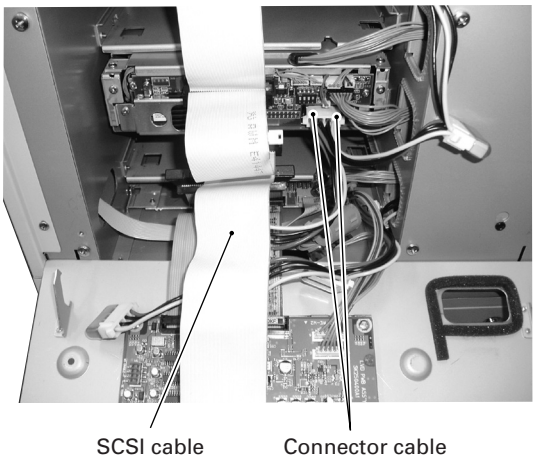


4. When loading the magazine, insert the magazine gently until it clicks.

2.1.4 Removing the Drive

1. Open the door. (Refer to 2.1.2.)
2. Remove the rear panel (DH). (Refer to 2.1.8.)
3. Disconnect the two connector cables from the drive.
4. Disconnect all the SCSI cables from all the drives and the SCSI PCB. (When removing the drive in the uppermost slot among the currently mounted drives, disconnect the cable connected to the uppermost drive only.)

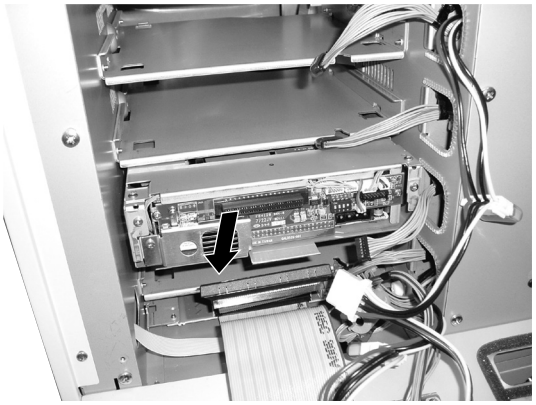
Photo shows situation when removing the Drive 2



5. Remove the screw ① located on the side of the drive (door panel side).

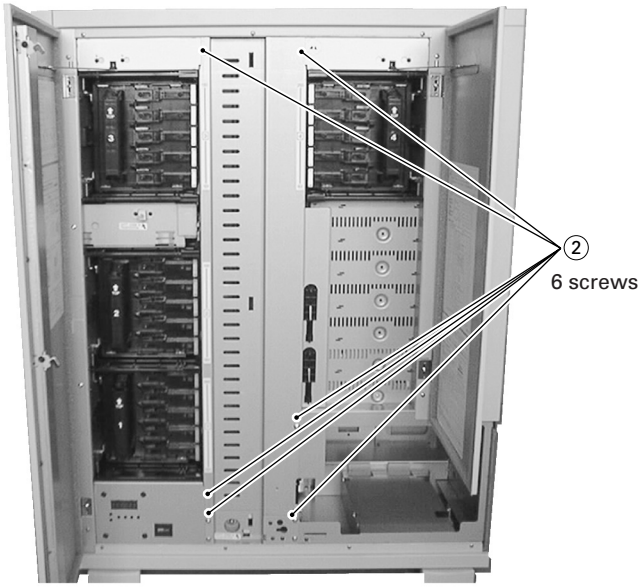
Photo shows situation when removing the Drive 2

6. Remove the drive from the rear.



2.1.5 Removing the Center Panel

1. Open the door. (Refer to 2.1.2.)
2. Remove the panel. (Refer to 2.1.2.)
3. Remove the six screws ② to remove the center panel.

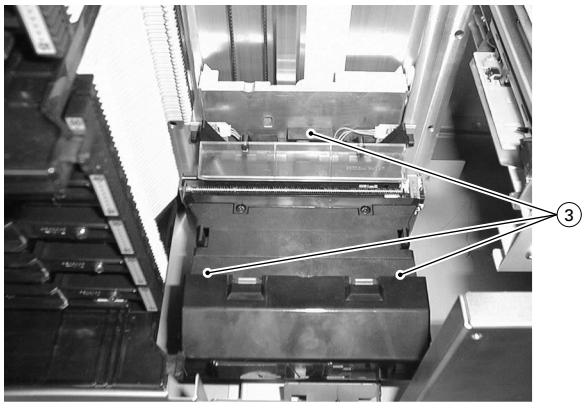


Note:
Center panel must be removed when removing the carrier mechanism.

2.1.6 Removing the Carrier Mechanism

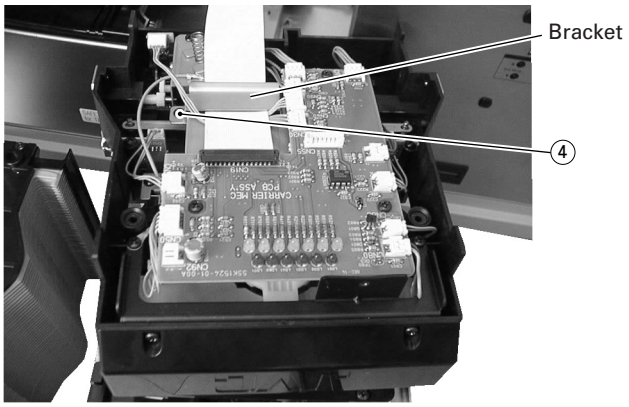
1. Open the door. (Refer to 2.1.2.)
2. Remove the center panel. (Refer to 2.1.5.)
3. Remove the #3 and #4 magazines. (Refer to 2.1.3.)
   For the MC-8600U, remove the #3 and #4 magazines in the same way.

4. Remove the three screws ③.



5. While holding the lower section of the carrier mechanism, rotate the shaft of the U/D motor by hand to shift the carrier mechanism to the #3/#4 magazine position.

6. Remove the carrier mechanism upward.
7. Turn the carrier mechanism upside down, and remove the screws ④ retaining the flat cable mounting bracket.



8. Release the flat cable connector lock and disconnect the flat cable to remove the carrier mechanism.

Note:
Pay attention not to damage the lock of the flat cable connector .

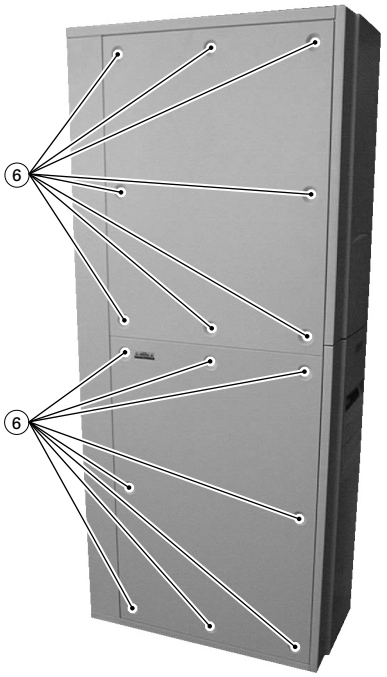
2.1.7 Removing the Side Panel

<MC-8200U>

1. Remove the eight screws ⑥ to remove the side panel. When removing the side panel, unscrew while holding the side panel with your hands. (To prevent the panel from dropping.)

<MC-8600U>

1. Remove the 16 screws ⑥ to remove the side panels. When removing the side panel, unscrew while holding the side panel by hand. Pay special attention to the upper side panel. (in order to prevent the panel from being dropped.)



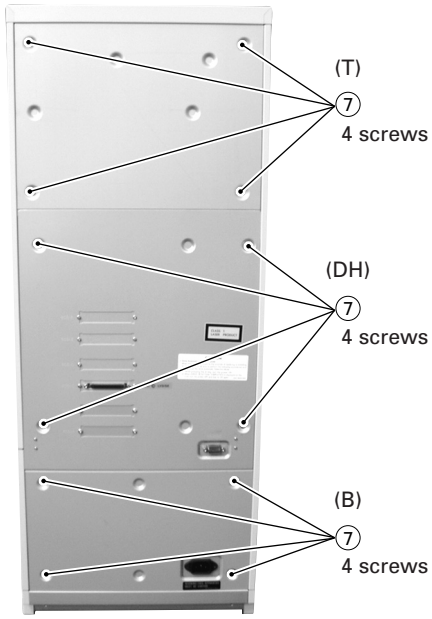
Note:

When removing the U/D motor and magazine sensor PCB, remove the upper side panel.

2.1.8 Removing the Rear Panel

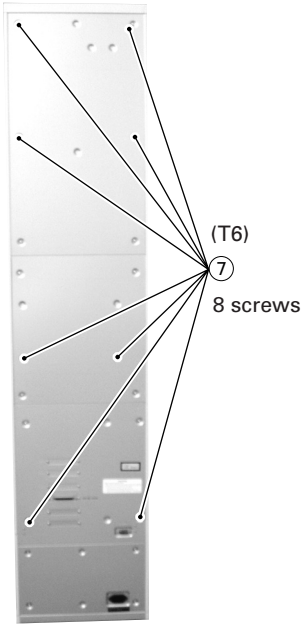
<MC-8200U>

1. Remove the three rear panels (T), (DH) and (B) by removing the four screws ⑦ for each.



<MC-8600U>

1. In the same way as MC-8200U, remove the two rear panels (DH) and (B).
2. Remove the eight screws ⑦ to remove the upper rear panel (T6).

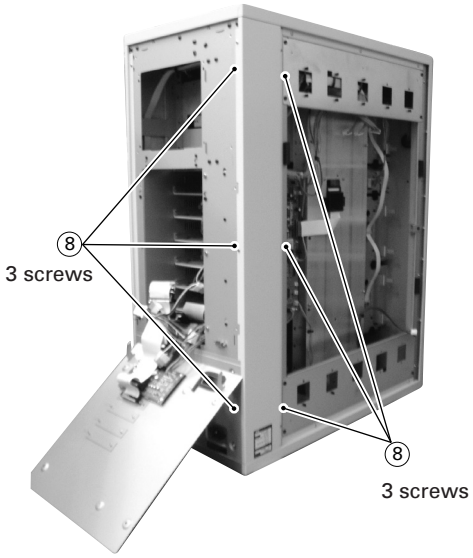


Note:

When removing the power supply unit, chassis PCB or SCSI PCB, you don't have to remove the rear panels.

2.1.9 Removing the Exterior Side Panel

1. Remove the rear panel. (Refer to 2.1.8.)
2. Remove the side panel. (Refer to 2.1.7.)
3. Remove the six screws ⑧ (ten screws for MC-8600U), to remove the exterior side panel.

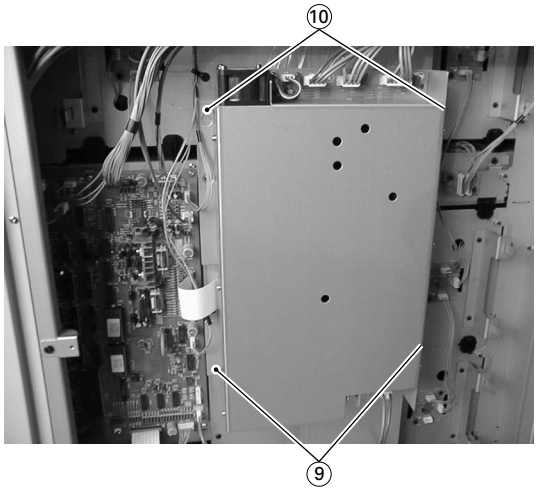


Note:

When removing the power supply unit, chassis PCB or SCSI PCB, there is no need to remove the exterior side panel.

2.1.10 Removing the Power Supply Unit

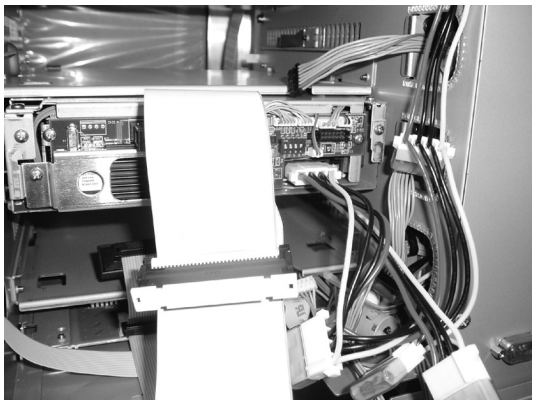
1. Remove the side panel. (Refer to 2.1.7.)
2. Disconnect the connector cables connected to the power supply unit.



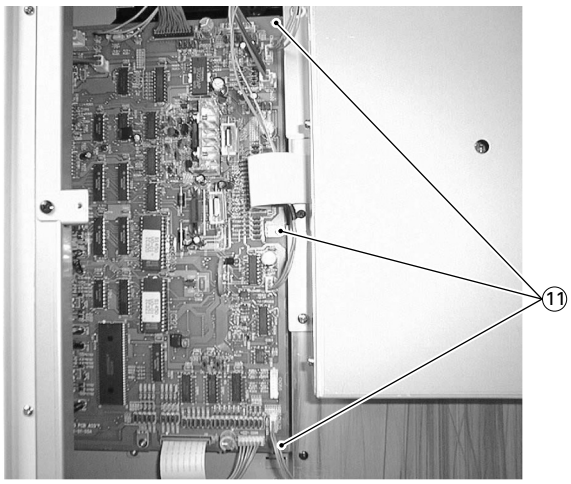
3. Remove the two screws ⑨.
4. Slightly loosen the two screws ⑩, and remove the power supply unit by sliding it upward.

2.1.11 Removing the Chassis PCB

1. Remove the rear panel (DH). (Refer to 2.1.8.)
2. Remove the side panel. (Refer to 2.1.7.)
3. Remove the chassis PCB and connector cables from the drive at the drive side. (Leave the cables connected to the drive power supply as they are.)



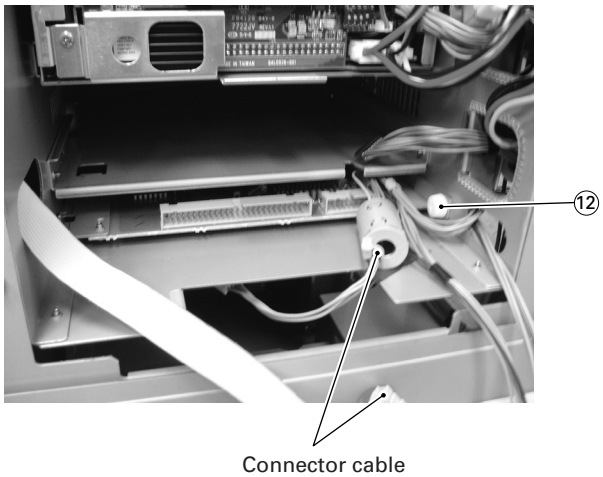
4. Disconnect the connector cables from the chassis PCB.
5. Remove the three screws ⑪.



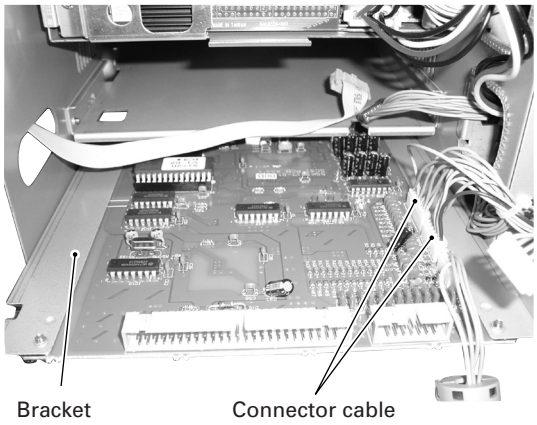
6. Slide the chassis PCB toward the left and pull it out from the right side.

2.1.12 Removing the SCSI PCB

1. Remove the rear panel (DH). (Refer to 2.1.8.)
2. Disconnect the two connector cables and all the SCSI cables connected to the SCSI PCB and the drives.



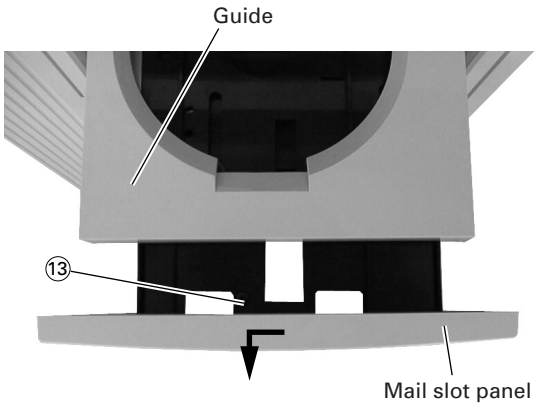
3. Remove the screw ⑫ and pull the SCSI PCB toward you until the connector at the right sides are exposed, then disconnect the two connectors from the chassis side.
4. Remove the SCSI PCB by pulling it toward you.
5. When mounting the SCSI PCB, insert it so that the PCB bracket passes under the guide rails.



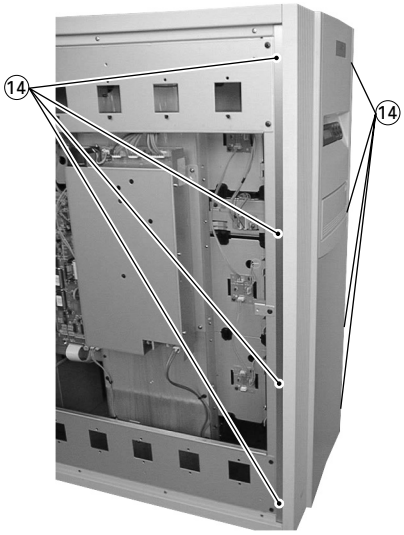
2.1.13 Removing the Mail Slot

1. Open the door. (Refer to 1.1.2.)
2. Remove the side panel. (Refer to 1.1.7.)
3. Remove the #2 magazine. (Refer to 1.1.3.)
4. Insert your hand into the #2 slot and gently push the tray of the mail slot. Pay attention not to push the tray forcibly for it could damage the gear teeth.

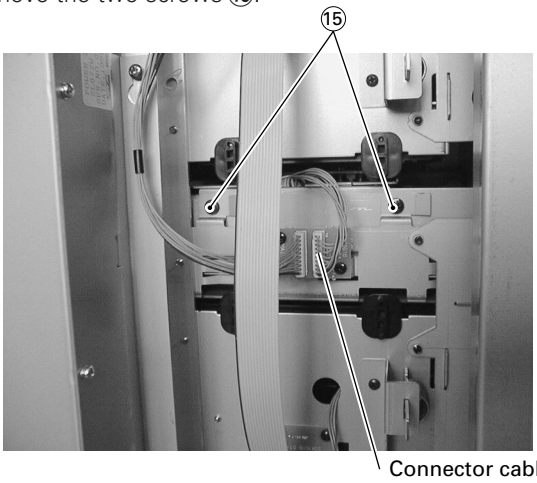
5. Gently pull out the mail slot tray toward you and push the guide to the main unit side. Remove the screws ⑬ and pull out the mail slot panel by sliding it toward the left.



6. Remove the eight screws ⑭ to remove the front panel of the main unit.



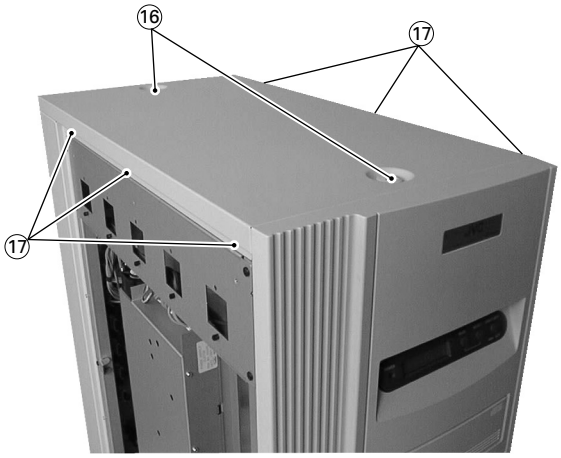
7. Disconnect the connector cable on the mail CN PCB, and remove the two screws ⑮.



8. Remove the mail slot from the front of the main unit.

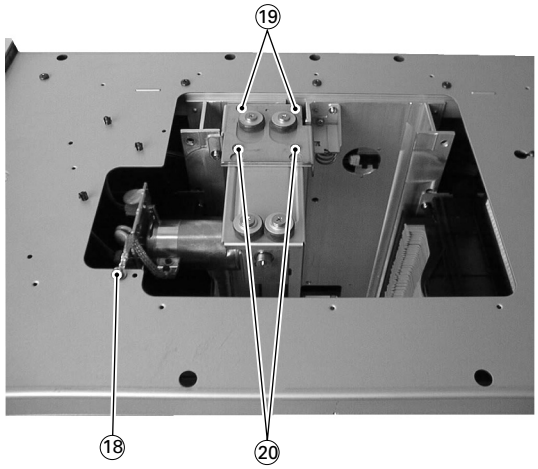
2.1.14 Removing the Top Panel

1. Open the door. (Refer to 2.1.2.)
2. Remove the side panel. (Refer to 2.1.7.)
3. Remove the two blind bolts ⑯ using a coin, etc.
4. Remove the six screws ⑰ to remove the top panel.

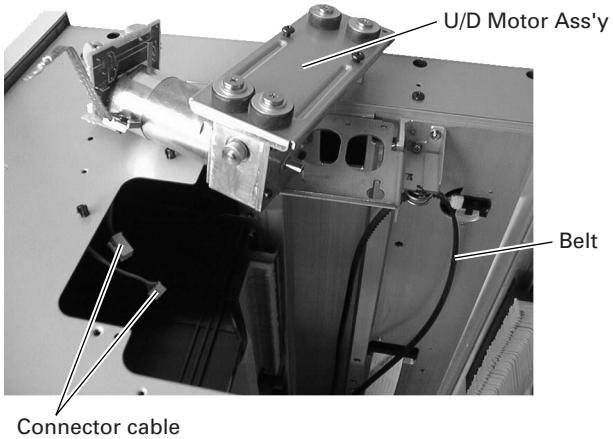


2.1.15 Removing the U/D Motor

1. Remove the top panel. (Refer to 2.1.14.)
2. Remove the screws ⑱ and two screws ⑲.
3. Loosen the two screws ⑳, and pull out the U/D motor by sliding it toward the door side.



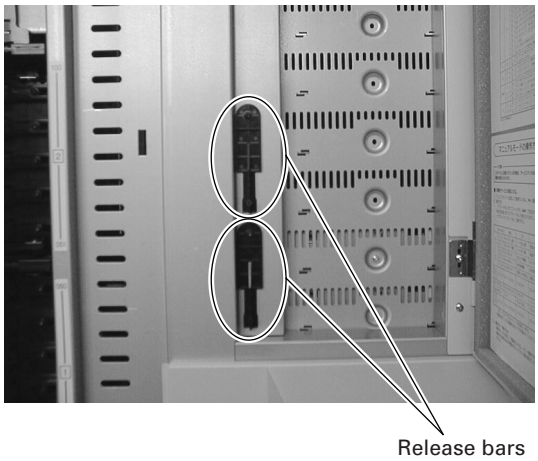
4. Disconnect the two connector cables from the U/D motor.
5. Remove the U/D belt to remove the U/D motor.



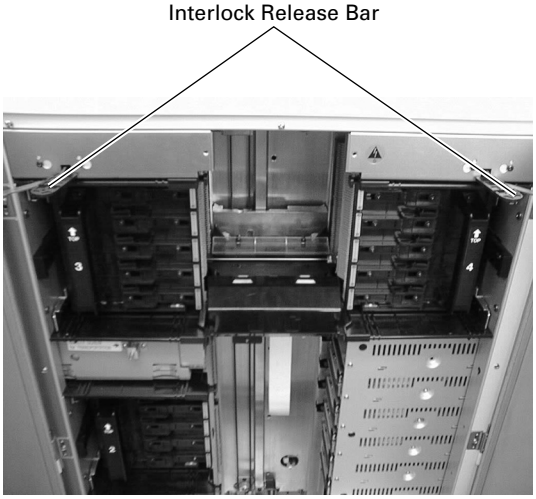
2.1.16 How to Operate with the Door Open (for Servicing)

For safety this unit is designed so as not to be operated with the door open. When operating the unit with the door open for maintenance or servicing, proceed in the following manner.

1. Open the door. (Refer to 2.1.2.)
2. Remove the two interlock release bars on the center panel which turns the interlock switch to ON.



3. With the door open, insert the interlock release bars into the interlock switch holes located at both the left and right sides.



4. With this operation, the unit enters the mode in the same way as with the doors closed, and you can operate the unit as normally.

2.2 Special Operation Mode

- **Operating Condition**
  The external control equipment must not be connected to the SCSI connector. (That is the CD/DVD Library is not operated as a part of the system.) If the special operation mode is activated in the system operating condition, the correct operation will not be guaranteed.
- **Mode Setting**
  As shown in the table below, the operation mode is determined depending on the status of each switch at the moment when the CD/DVD Library's power is turned ON.
  ("–" in the table below is the conventional symbol for OFF.)

M: Mode S: Select L/E: Load/Eject E: Enter 0-9: Numeric keypad

SW Status												Operation Mode	Page
M	S	L/E	E	0	1	2	3	4	5	8	9		
—	—	—	—	—	—	—	—	—	—	—	—	Normal mode	—
—	—	—	—	—	ON	—	—	—	—	—	—	Package mode	2-16
—	—	—	—	—	—	ON	—	—	—	—	—	Disc return mode	2-16
—	—	—	—	—	—	—	ON	—	—	—	—	Memory clear mode	2-16
—	—	—	—	—	ON	—	—	ON	—	—	—	Auto check mode	2-16
ON	—	ON	—	—	—	—	—	—	—	—	—	Disc tray check mode	2-16
—	ON	ON	—	—	—	—	—	—	—	—	—	Auto tray check ON/OFF switching	2-17
Running modes for use in factory production. Cannot be used in servicing.												Running mode (5) (Production running)	
												Running mode (1) (Mechanism running)	
—	—	—	ON	—	—	—	ON	—	—	—	—	Running mode (3) (Demonstration running)	2-11
—	—	—	ON	—	—	—	—	—	—	—	ON	Manual mode	2-11
—	—	—	—	—	—	—	—	—	—	ON	—	Drive detection mode	2-17

Other than the above, a self-check mode for use during maintenance is also available (by turning the power ON while pressing the MODE key).

* In the Disc Return, Memory Clear, Disc Tray Check or Auto Tray Check ON/OFF Select mode, the CD-ROM Library operates in the normal mode after the corresponding operation is completed.
* Since each operation mode other than normal mode (including Disc Return, Memory Clear, Disc Tray Check and Auto Tray Check ON/OFF Select modes) is performed with the door open, the interlock release lever must be inserted into the interlock switch hole. (Each of the mode will not operate correctly with the door open but without the interlock release bar because the 15V power is turned OFF.)
* Also if the printer panel is open, the 15V power is OFF and the Library operation is not available.)

2.2.1 Running Modes

1. Details of Running

* During running mode, the "RUNNING MODE" warning and the number of times appear on the LCD display. During demonstration mode, the "DEMONSTRATION MODE" warning and the number of times appear.
* All the magazines must be installed. (However the demonstration mode automatically detects the presence of magazines, and only the installed magazines are accessed.)

① **Demonstration Mode**

(1) Purpose

This mode is used to perform a demonstration of the CD/DVD changer operation.

(2) Start

While pressing the "ENTER" key and the numeric key "3" simultaneously, turn the power ON.

* It is not necessary to set the discs on each tray. (A disc presence check is not performed.)

(3) Operation

Repetition of crossing operation.

Disc Access (MC-8200U: when drives 1 and 2 are connected)

• Crossing Operation

Count	Access Address
0001	"200" → DR1 → "200"
0002	"001" → DR2 → "001"
0003	"199" → Mail slot → "199"
0004	"002" → DR1 → "002"
0005	"198" → DR2 → "198"
0006	"003" → Mail slot → "003"
0099	"101" → DR1 → "101"
0100	"100" → DR2 → "100"

(4) Operation Stop

When the numeric key "3" is pressed during demonstration, the operation stops after the disc being accessed is returned to the original magazine.

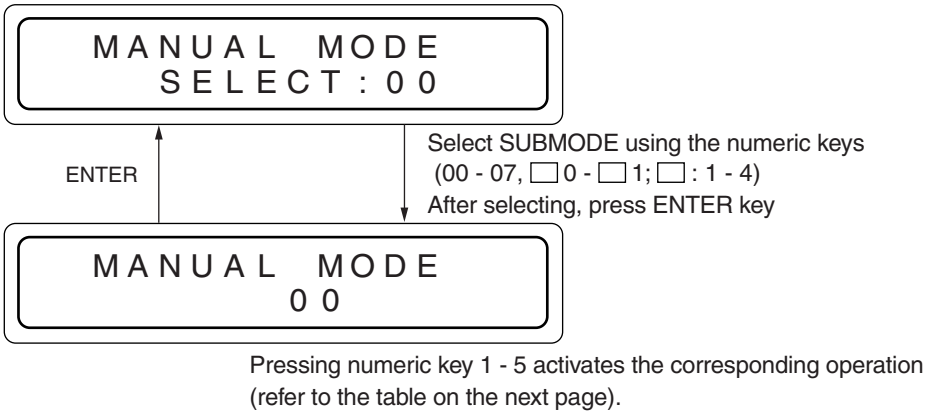
(5) Operation Restart

When the "ENTER" key is pressed in the demonstration-stop mode, the operation restarts from the tray next to the one being accessed the previous time.

2.2.2 Access Counter Clearance

1. Set to display the contents shown on page 29 of the instruction manual.
2. Hold the SELECT key until the unit to be cleared appears in the 1st line.
3. With the unit counter to be cleared shown on the 1st line, hold the ENTER key for more than 5 seconds.

2.2.3 Manual Operation



Pressing numeric key 1 - 5 activates the corresponding operation
(refer to the table on the next page).

① Carrier Manual Operation

· Carrier upward operation (SUBMODE = 00)

Function	Numeric key	Details
Upward normal move	1	During key is ON (Condition: Tray lock initial position)
Upward low-speed move	2	During key is ON (Condition: Tray lock initial position)
Upward 1-slit move toward left	3	Each time key is ON (Condition: Tray lock initial position)
Upward 1-slit move toward right	4	Each time key is ON (Condition: Tray lock initial position)
Upward 1-step advance	5	Each time key is ON (Condition: Tray lock initial position)

· Carrier downward operation (SUBMODE = 01)

Function	Numeric key	Details
Downward normal move	1	During key ON, until lower limit sensor is reached (Condition: Tray lock initial position)
Downward low-speed move	2	During key ON, until lower limit sensor is reached (Condition: Tray lock initial position)
Downward 1-slit move toward left	3	Each time key is ON (Condition: Tray lock initial position)
Downward 1-slit move toward right	4	Each time key is ON (Condition: Tray lock initial position)
Downward 1-step advance	5	Each time key is ON (Condition: Tray lock initial position)

· Tray lock/release operation (SUBMODE = 02)

Function	Numeric key	Details
Left tray lock release	1	During key ON, until left tray lock is released
Tray lock initial	2	Each time key is ON
Right tray lock release	3	During key ON, until right tray lock is released

· Catcher operation (SUBMODE = 03)

Function	Numeric key	Details
Catcher leftward move	1	During key is ON
Catcher rightward move	2	During key is ON

· Tray pickup/return operation (SUBMODE = 04)

Function	Numeric key	Details
Left tray auto loading	1	Each time key is ON (Condition: Tray lock initial, Catcher position right)
Right tray auto loading	2	Each time key is ON (Condition: Tray lock initial, Catcher position left)
Tray auto return	3	Each time key is ON (Condition: Tray lock initial, Catcher position left or right)

* Left (Right) Tray Auto Loading Operation

1. Catcher moves toward left (right) → 2. Left (right) tray lock release → 3. Tray pickup

* Tray auto return operation

1. Catcher moves toward the direction of the tray lock pin (Tray return) → 2. Tray lock initial When the printer operation is performed, set the disc-in tray on the printer beforehand.

· Mail slot operation (SUBMODE = 05)

Function	Numeric key	Details
Mail slot ejecting	1	During key is ON, until eject position is reached
Mail slot loading	2	During key is ON, until loading position is reached

· Optional printer operation (SUBMODE = 06)

Function	Numeric key	Details
Printer ejecting	1	Each time key is ON, until ejecting position is reached
Printer loading	2	Each time key is ON, until loading position is reached

· Disc inversion operation when an inversion carrier is installed (SUBMODE = 07)

Function	Numeric key	Details
Arm upward movement	1	During key is ON (Condition: Tray lock initial)
Arm downward movement	2	During key is ON (Condition: Tray lock initial)
Disc inversion	3	Every time key is ON (Condition: Tray lock initial)

② Drive Manual Operation

· Clamping & Clamping release operation (SUBMODE = □ 0) □ : Drive No. 1 - 4

Function	Numeric key	Details
Drive clamping	1	During key is ON, until clamping position is reached
Drive clamping release	2	Each time key is ON

When the MC-R200U drive is used and the tray is in the drive, the clamping release operation is activated 3.5 seconds later (however, the 1st operation for each drive starts after 7 seconds) the key is turned ON (the motor starts rotating) to wait until the disc revolution stops.

· Play operation (SUBMODE = □ 1) □ : Drive No. 1 - 4

Function	Numeric key	Details
Play ON	1	Each time key is ON (Condition: CD-ROM disc must be clamped)
Play OFF	2	Each time key is ON (Condition: CD-ROM disc must be clamped)

2.3 Self-Diagnostic Display

When a trouble occurs, this unit repeats the required process and then stops operation. In case of the trouble on a drive, the defective drive is cut by the host PC and the operation continues with the other drives. When the trouble occurs on all drives, this unit enters the mechanism stop operation. (The power indicator blinks when trouble occurs in all cases and the error massage is displayed on the LCD screen.)
The trouble codes of the last eight times are stored in the memory and maintained even when the power is turned off.

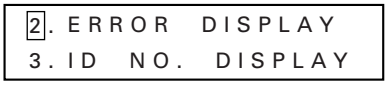
2.3.1 Displaying Trouble History

(Operate with front panel switch to display on the LCD)
How to display trouble history

① Press the MODE switch to show the MENU display.

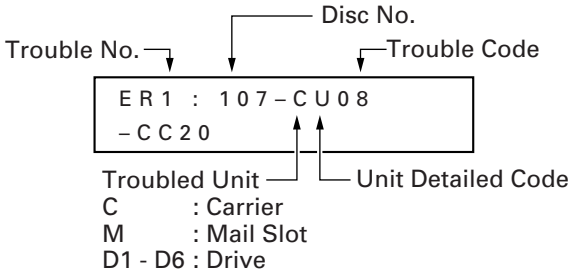
MENU display

② Press the SELECT switch to select the trouble history display mode.



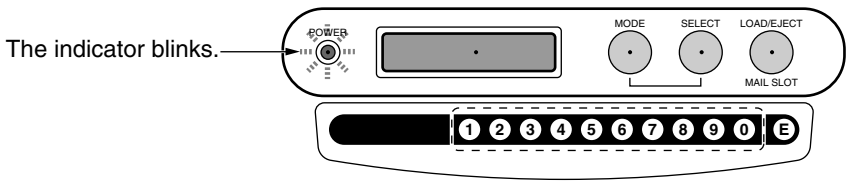
③ Press the MODE switch to display the trouble history. When an error occurs continuously in a single trouble history, the detailed information is displayed in the second row.

④ Each time the SELECT switch is pressed, the trouble history is changed in sequence.

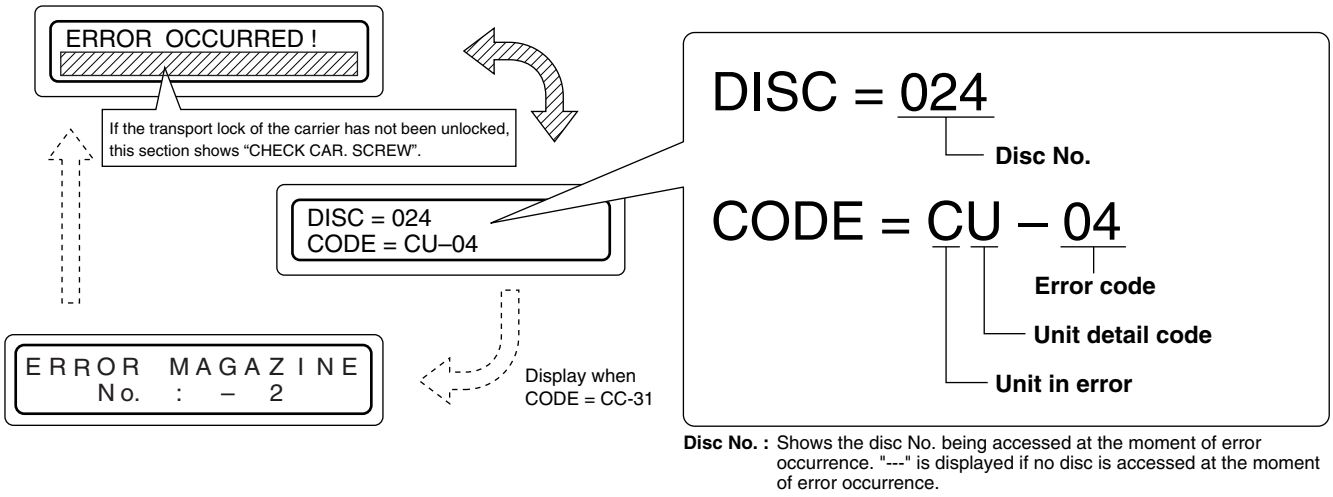


2.3.2 Display When Trouble Occurs

In case of an error, the front panel indicator blinks and the LCD shows the error details by overriding any other information.



LCD displays in case of error



Disc No. : Shows the disc No. being accessed at the moment of error occurrence. "---" is displayed if no disc is accessed at the moment of error occurrence.

Units in error and unit detail codes

Unit in error		Unit detail code	
C	Carrier	U	Up/down
		L	Tray lock
		C	Catcher
		D	Disc
		F	Flip
M	Mail slot	E	Ejection
		L	Loading
		T	Tray
D1 to D4	Drive	T	Tray
		C	Clamp
		E	Ejection
		D	Disc
		S	Spindle
P	Color Disc Printer	T	Tray

2.3.3 Erasing the Trouble History

The error history can be cleared by pressing ENTER key for more then 5 seconds during displayed error history.

2.3.4 Error code list

Device	Device part	Error code	Description
C	U	01	UP/DOWN rotary sensor does not change
		02	Left slit sensor does not change
		03	Right slit sensor does not change
		04	UP/DOWN motor does not function
		07	UP/DOWN motor drive short-circuits and over-current is detected
		08	UP/DOWN operation exceeds the predetermined duration
		09	Lower limit sensor turn on during UP/DOWN operation
C	L	10	Tray lock release not possible
		11	Tray lock impossible, or lane change not possible
		12	Tray lock does not exist at the initial position during carrier movement
C	C	20	Catcher (right → left) movement operation exceeds the predetermined duration
		21	Catcher (left → right) movement operation exceeds the predetermined duration
		22	Catcher (right → left) convergence operation exceeds the predetermined duration
		23	Catcher (left → right) convergence operation exceeds the predetermined duration
		24	Catcher (right → left) tray rotary sensor does not change
		25	Catcher (left → right) tray rotary sensor does not change
		26	Right catcher sensor does not turn on
		27	Left catcher sensor does not turn on
		28	Catcher motor (right → left) does not function
		29	Catcher motor (left → right) does not function
		30	Tray does not exist
		31*2	Magazine insertion incomplete, or sensor defective
		32	Over-current is detected during catcher motor operation
C	D	41	Destination-unknown tray exists on the carrier
		42	No disc in the tray
		43	Flip tray does not exist
	F	80	During the flip raise operation, the expected time required is over
		81	During the flip descent operation, the expected time required is over
M	E	50	Mail Slot ejecting is not possible
	L	51	Mail Slot loading is not possible
	T	52	Destination-unknown tray exists in the Mail Slot
(D#)*1	T	60	Destination-unknown tray exists in the Drive and the control cable of the Drive is disconnected.
		61	Tray removal is not possible at the drive position
	C	62	Disc clamp of the drive does not function
	E	63	Drive ejection is not possible
	D	64	Failure to remove the disc from the drive
	S	65	Spindle motor fails to stop
P	T	72	Destination-unknown tray exists in the Label Printer

*1: # represents the drive number.

*2: Check the magazine loading condition.

2.4 Auto Check Mode

(1) Purpose:
Simply checks the tray transfer operation for all units.
(2) Control:
Set the release bars, then turn the power to ON while pressing the key "1" and "4"on the 10-key Pad.
Check that there is no tray in the drive or mail slot. If this is not sure, first perform the tray auto return mode operation described in 2.6.
(3) Operation:
Accesses to the 2nd address (Tray No. 49 in the magazine) from the top and the 2nd address (Tray No. 02 in the magazine) positions, drive and mail slot positions.

Operation Sequence
(MC-8200LU : when drive 1and 2 are connected)

① Address 199 → Drive 1 → Address 199
② Address 152 → Drive 2 → Address 152
③ Address 149 → Mail Slot → Address 149
④ Address 102 → Address 102
⑤ Address 99 → Address 99
⑥ Address 52 → Address 52
⑦ Address 49 → Address 49
⑧ Address 2 → Address 2

(4) Display during auto check mode

Tray No. being accessed.
However, "END" appears when finished.

2.5 Packaging Mode

(1) Purpose:
For shipping the library's main unit, the carrier mechanism is moved to the fixing position located at the lower end of the unit and the drive is clamped.
(2) Activation:
Set the release bars, then turn the power to ON while pressing the key "1" on the 10-key Pad.
(3) Operation: (when Drives 1 and 2 are connected)
① Performs carrier initial operation.
② Checks whether the tray is left in the mail slot or not. If the tray is left, it is returned to the magazine.
③ Checks whether the tray is left in the drive 1 or not. If the tray is left, it is returned to the magazine.
④ Checks whether the tray is left in the drive 2 or not. If the tray is left, it is returned to the magazine. (The same operation is performed when drives 3 to 6 are installed.)
⑤ Moves the carrier mechanism to the shipping position.
⑥ Performs clamping operation for the drive 1.
⑦ Performs clamping operation for the drive 2. (The same operation is performed when the drive 3 to 6 are installed.)

2.6 Tray Auto Return Mode

(1) Purpose:
If the tray is left in the drive or the mail slot, performs the operation to return the tray to the original magazine.
(2) Control:
Set the release bars, then turn the power to ON while pressing the key "2"on the 10-key Pad.
(3) Operation:
① Performs carrier initial operation.
② Check whether the tray is left in the drive 1 or not. If the tray is left in, it is returned to the memorized magazine.
③ The same operation as (2) is performed for drives 2 to 6 respectively.
④ Checks whether the tray is left in the mail slot or not. If the tray is left in, it is returned to the memorized magazine.
⑤ Operation completed.

2.7 Disc/Tray Check Mode

(1) Purpose:
Checks the presence/absence of the tray/disc in the magazine and stores the information in the CPU as the mapping data.
(2) Control:
While pressing the MODE switch and LOAD/EJECT switch simultaneously, turn the power ON.
(3) Operation:
① Performs carrier initial operation.
② Takes up the tray in the address "001" on the carrier and checks the tray and disc, then returns it to the original position.
③ Performs the operation described in (2) for addresses till "200" (address "600" for MC-8600LU).
④ Operation completed.

2.8 Memory Clear Mode

(1) Purpose:
Clears the backup memory for the mechanism CPU and SCSI CPU, including to reset the disc/tray mapping data and SCSI ID of the main unit, etc.
(2) Control:
While pressing the key "3"on the 10-key Pad., turn the power ON.
(3) Operation:
① Performs the tray auto return mode operation.
② Clears the backup memory for the mechanism CPU and SCSI CPU.
* Be sure not to turn the power OFF until the mechanism operation is completed because the memory is cleared after the trays left in the drive/mail slot are returned.
③ Operation completed.

2.9 Drive Detection Mode

(1) Purpose

Drives are detected in order to prevent simultaneous installation of different drives.

(2) Start

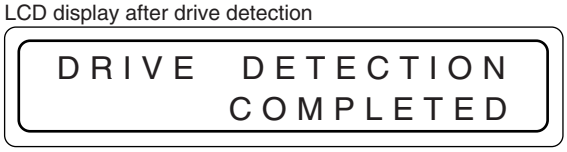
While pressing the "8" key, turn the power ON.

(3) Operation

After the initial operation, each of the installed drives performs the ejection operation for identification.

LCD display during drive detection

LCD display after drive detection



Note: Whenever a drive is added, replaced or removed after the last drive detection, be sure to repeat drive detection.
*** If this is omitted, a mechanism malfunction may result.**

*** Be sure to turn the power OFF and then ON again after drive detection.**

2.10 Maintenance Mode

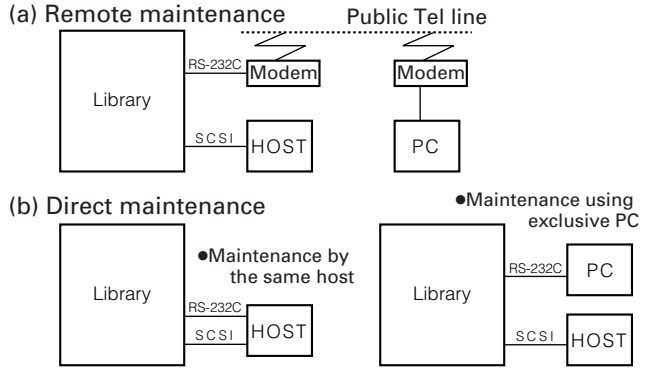
2.10.1 Outline

This unit is also equipped with an RS-232C port as an interface for external equipment other than the SCSI interface which is used for connection to the host computer. The RS-232C port is used mainly for the following two purposes:

(a) Remote Maintenance:
It can be used for remote diagnostic operation by connecting to the public telephone line via a modem.

(b) Direct Maintenance:
It can be used for diagnostic operation by direct connection to a computer, etc.

In either way, while this unit is operated in the system the mechanical operation checking, which is one of the checking functions of the self-diagnosis operation, is not available.



* Judgment whether remote or direct maintenance Checks whether the modem is connected or not when the power is turned ON, and judges the unit is in the "remote maintenance" or "direct maintenance" mode.

· The modem control AT command (Z: Reset) is transmitted to the RS-232C port. And if there is a response, the unit is operated as the "remote maintenance" mode, and if there is no response, the unit is operated as the "direct maintenance" mode.

NOTES:

In the "direct maintenance" mode, the host computer must not respond to an AT command.

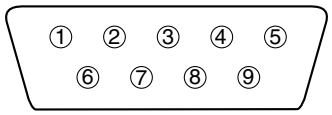
2.10.2 Electrical Specifications

• Signal Format

Signal Level	RS232C
Communication System	Asynchronous half-duplex
Transfer Rate	9600 bps
Character	Start bit: 1
	Data: 8 bits
	Parity: None
	Stop bit: 1
Codes used	ASCII character code
Modem Control Command	Compliant to Hayes AT command
Compatible Modem	ITU-T V.32

• Connector: D-Sub 9-pin (male)
• Pin Layout

①	DCD (IN)	⑥	DSR
②	RXD (IN)	⑦	RTS (OUT)
③	TXD (OUT)	⑧	CTS (IN)
④	DTR (OUT)	⑨	NC
⑤	S-GND		



2.10.3 Maintenance Types and Conditions

① Operating environment status
Outputs the environmental conditions including the type of this unit (Model No.), status of connected drives, SCSI ID No. setting and ROM version, etc.

② Trouble contents check
Outputs the trouble information stored in this unit.

③ Self diagnostic function
Performs the preset specific operations and outputs the results as the status. Operations ① and ② are available at any time. The operation ③ is available only when this unit is in the maintenance mode. Regardless of the currently selected maintenance mode (remote or direct), all the peripheral components must be turned on before turning on the power to this unit.

2.10.4 Activating the Maintenance Mode

To activate the maintenance mode with this unit...

① Set the maintenance disc in the address 1 before turning the power ON.

② While pressing the MODE switch on the front panel, turn the power switch to ON.

2.10.5 Maintenance Program

To perform maintenance on this unit, the maintenance program software must be installed on the PC connected.

2.11 Auto Disc/Tray Check ON/OFF Setting

On shipping, auto disc/tray checking function is set to ON which automatically checks the discs loaded in the magazine after the magazine is loaded or unloaded with the power ON. This setting can be switched OFF in the following manner.

1. Changing the setting
   While pressing the SELECT switch and the LOAD/EJECT switch located at the side of the LCD, turn the power ON. The operation mode is alternated between ON and OFF. The default setting is ON (auto check function is activated). With the above operation, the setting is changed to OFF (auto check function is deactivated).
2. How to check the current setting
   · Hold down the MODE switch beside the LCD for more than 5 seconds. The current setting is displayed on the LCD.

AUTO DISC CHECK : ON	AUTO DISC CHECK : OFF

3. Others
   · This setting is maintained after the power is turned off. Changing the setting requires the operation described in 1.

2.12 Maintenance and Periodical Check

The following shows an example of a maintenance reference chart when this unit is used with two drives for 50,000 times a year. Maintenance period differs depending on the using conditions, etc.

Item	Maintenance Intervals						Maintenance Contents
	1yr	2yrs	3yrs	4yrs	5yrs	6yrs	
Carrier	○	○	△	○	○	●	Grease (See Disassembly view.)
U/D Motor Unit	○	○	○	○	○	●	
Mail slot	–	–	–	–	–	○	
Drives	○	○	●	○	○	●	
Air filter unit	–	–	△	–	–	●	Clean filter
Magazine	–	–	△	–	–	△	Clean tray

● : Replacement. △ : Maintenance. ○ : Operation check.

Operation check contents

Item	Check Contents
Carrier	Presence/absence of abnormal sound or backlash, Roller defect/wear, No defect on carrier FCC cable
U/D motor assembly	Presence/absence of abnormal sound or backlash
Mail slot	Presence/absence of abnormal sound or backlash
Drives	Readout speed check using exclusive software
Magazines	Cleaning of tray in the position where frequently used (wipe off dust)

NOTES:

1) The maintenance and replacement intervals for the CD/DVD library are variable depending on the operating conditions such as the number of additional optional drives and the frequency of use. It is recommended to replace each drive after every 30,000 disc loading cycles. To check the operation of the CD/DVD drive, perform recording and playback of the exclusively designed CD/DVD disc.
2) The service life of the CD/DVD drive is variable depending on the write count (the total time spent in the write mode).
3) Each disc carrier tray should be replaced after every operation count of 10,000 cycles.
   An operation refers to each operation cycle of the carrier. When the carrier has pulled out a magazine tray, inserted a disc in it and then returned it to its original magazine, the operation count becomes 2.
4) When an MC-CF10 optional carrier is used, it is recommended that it should be replaced after 300,000 inversion operations.
   The inversion count can be checked as describe in section "11. Access Count" of the instruction manual.

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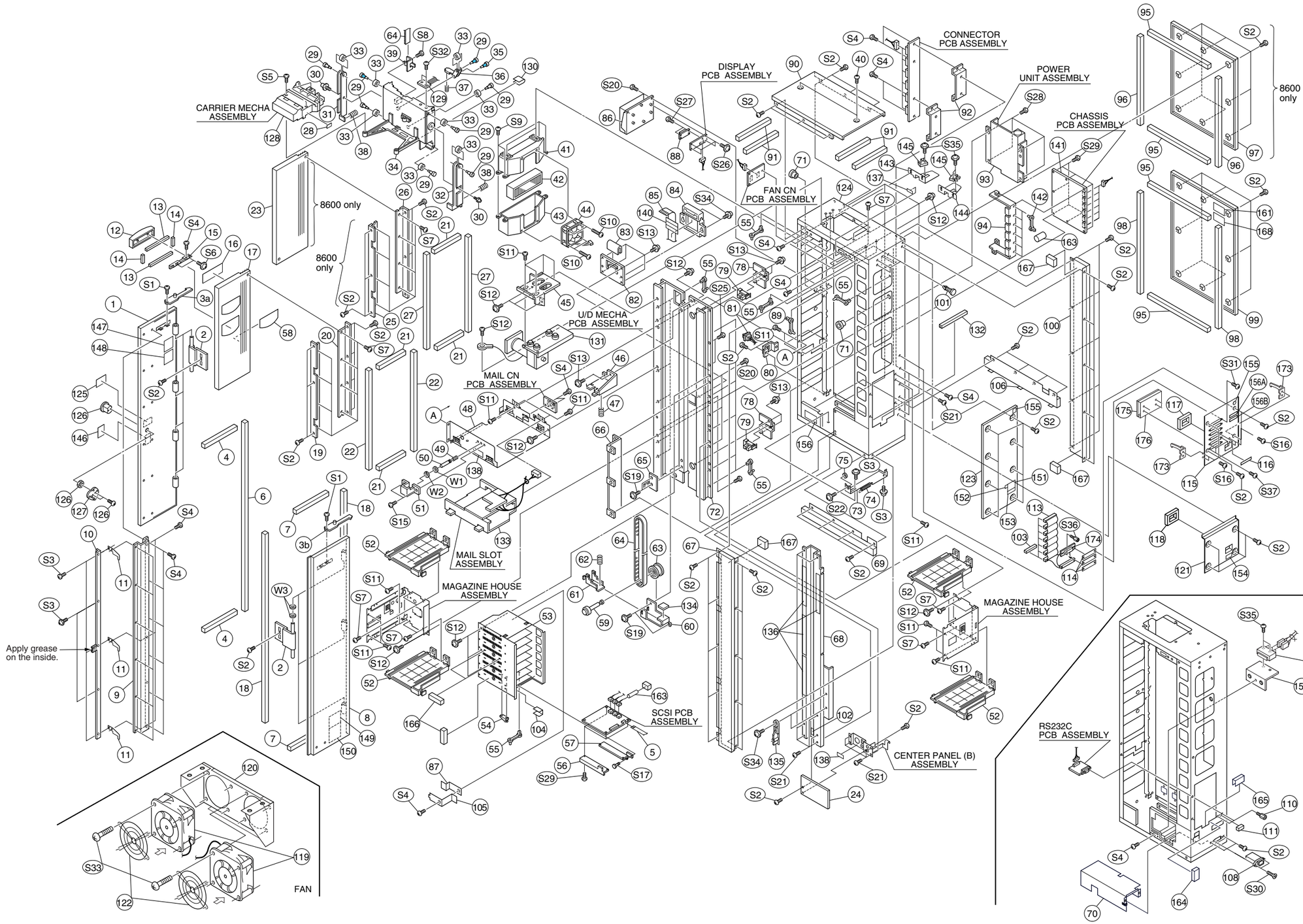
SECTION 4
EXPLODED VIEW AND PARTS LIST

4.1 FINAL ASSEMBLY M 1



4.2 FINAL ASSEMBLY LIST M1

M1MM

Symbol No.	Part No.	Part Name	Description
1	SS22761-00C	DOOR PANEL (L6)	MC-8600
1	SS22759-00C	DOOR PANEL (L2)	MC-8200
2	SS411847-00A	HINGE	MC-8200: x 4
03a	SS412126-F0A	DOOR STAY (L)	
03b	SS412126-R0A	DOOR STAY (R)	
4	SS411853-D07	SPONGE TAPE	
5	SSV3871	FFC	MC-8200
5	SSV3872	FFC	MC-8600
6	SS411853-D10	SPONGE TAPE	MC-8600
6	SS411853-D09	SPONGE TAPE	MC-8200
7	SS411853-D08	SPONGE TAPE	
8	SS22916-00C	DOOR PANEL (R6)	MC-8600
8	SS22915-00C	DOOR PANEL (R2)	MC-8200
9	SS22765-002	D-LOCK BASE (6)	MC-8600
9	SS22764-002	D-LOCK BASE (2)	MC-8200
10	SS35376-001	D-LOCK BAR (6)	MC-8600
10	SS35377-001	D-LOCK BAR (2)	MC-8200
11	SS35732-00A	D-LOCK HOOK	
12	SS22744	FRONT PANEL (M)	
13	SS411853-F07	SPONGE TAPE	
14	SS411853-F08	SPONGE TAPE	
15	SS411931	FP-BKT	
16	SS411842-010	PLATE	
⚠ 17	SS11621-003	MAIN PANEL	
18	SS411853-D11	SPONGE TAPE	MC-8200
18	SS411853-D12	SPONGE TAPE	MC-8600
19	SS35727-001	MP ANGLE (R6)	MC-8600
19	SS35725-001	MP ANGLE (R2)	MC-8200
20	SS35726-001	MP ANGLE (L2)	MC-8200
20	SS35728-001	MP ANGLE (L6)	MC-8600
21	SS411853-F06	SPONGE TAPE	MC-8200: x 2
22	SS411853-F02	SPONGE TAPE	
⚠ 23	SS11622-001	SUB PANEL	MC-8600
24	SS35994-00A	C-PANEL (RRB)	
25	SS35729-001	SP ANGLE (R6)	MC-8600
26	SS35730-001	SP ANGLE (L6)	MC-8600
27	SS411853-F01	SPONGE TAPE	MC-8600
28	SM3921-001	BLANK LABEL	
29	SS410270	R.SHAFT	
30	SS410277	R.B.SHAFT	
31	SS411900-0L1	SR.BRACKET	
32	SS411900-0R1	SR.BRACKET	
33	SS410268-00A	ROLLER	
34	SS35352-00B	C.BASE ASSY	
35	SS410274	SP.SCREW	
36	SS411895-00A	R.HOLDER ASSY	
37	SS411884-001	SPRING	
38	SS410275-002	SPRING	
39	SS411899	BELT BRACKET	
40	SS412031-001	BLIND BOLT	
41	SS22476-002	FILTER CASE A	
42	SS34931-00A	AIR FILTER	
43	SS22477-002	FILTER CASE B	
44	QAR0068-001	FAN MOTOR	
45	SS35408	U/D BASE	
46	SS411883	SP BRACKET	
47	SS411884-003	SPRING	
48	SS11629	MAIL BASE	
49	SS411923-002	SPRING	
50	SS411959-002	MTB SHAFT	

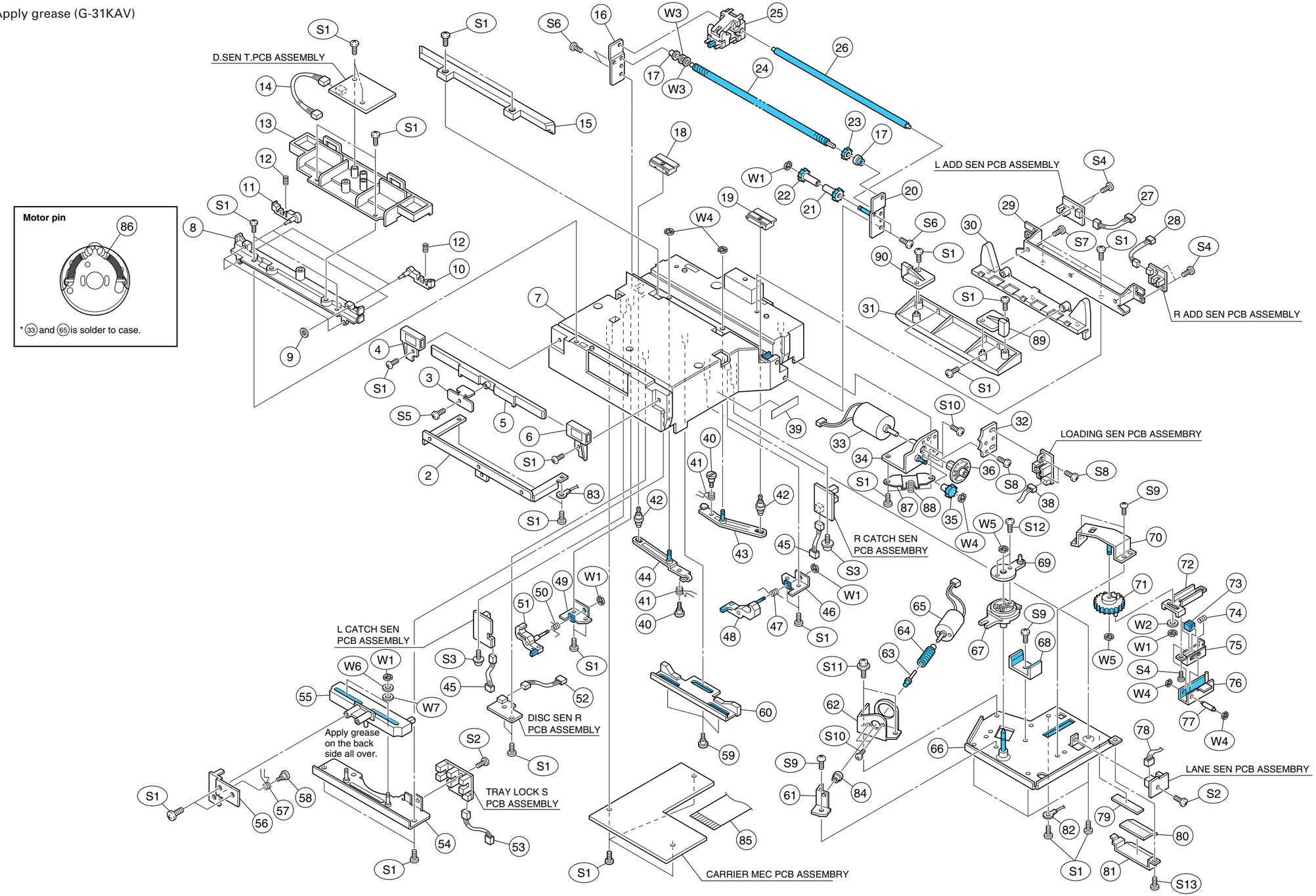
Symbol No.	Part No.	Part Name	Description
51	SS411961	BRACKET	
52	SS22737	SQ PLATE	MC-8200: x 7
53	SS22917-00B	DRIVE HOUSE ASSY	
54			
55	SS411880-003	WIRE CLAMP	
56	SS412434-001	S-PCB BKT(B)	
57	SS412433-001	S-PCB BKT(A)	
58	SS413399	SWITCH SHEET	
59	SS48947-002	SHAFT PIN	} MC-12-UD-PULLY (No. 59 and No. 63) will be supplied as it can not be disassembled.
60	SS411886	PULLY(B) BKT	
61	SS411882	PULLEY(B)HOLDER	
62	SS411884-002	SPRING	
63	SSV3334	PULLEY(B) ASSY	
64	SSV3221	BELT	MC-8200
64	SSV3220	BELT	MC-8600
65	SS412134	STOPPER	
66	SS413387	C-PCB BKT	
67	SS22907-002	C-PANEL(RR2)	MC-8200
67	SS22909-002	C-PANEL(RR6)	MC-8600
68	SS22903-003	CENTER PANEL(2)	MC-8200
68	SS22904-002	CENTER PANEL(6)	MC-8600
69	SS22905-002	C-PANEL(BR)	
70	SS35734-001	AC BARRIER	
71	SS413570	C. B BLOCK	
72	SS11827	GUIDE RAIL(86)	MC-8600
72	SS23202	GUIDE RAIL(82)	MC-8200
73	SS35349-001	CAR-TP HOOK	
74	SS411085-001	SPRING(RH)	
75	SS48507-002	WASHER	
78	SS412015-001	SENSOR BKT	
79	GP1A61LC	SENSOR	
80	SS412006-001	P-SW BKT	
⚠ 81	QSW0520-001	POWER SWITCH	
82	SS412002-001	FCF BKT	
83	HGT19-188UL-NT	TAPE	
84	SS35086-001	C&C FASTENER	
85	SSV2622-30144B	FFC CABLE	MC-8600
85	SSV2622-3084B	FFC CABLE	MC-8200
⚠ 86	SS11623-00D	CONT.PANEL ASSY	
87	SS413012	F.BKT	
88	RCM2060M-B	L.C.DISPLAY	
89	SS411880-006	WIRE CLAMP	
90	SS11638-002	C-PANEL(T)	
91			
92	SS412005-001	P.CN-PCB BKT	
⚠ 93	QAL0538-001	POWER SUPPLY	
94	SS35437-001	C-PCB HOOK	
95	SS412012-S03	CUSHION	MC-8200: x 2
96	SS412012-S02	CUSHION	MC-8600
97	SS22793-002	SIDE PANEL(T6)	MC-8600
98	SS412012-S01	CUSHION	
99	SS22792-002	SIDE PANEL	
100	SS22908-002	C-PANEL(RL2)	MC-8200
100	SS22910-002	C-PANEL(RL6)	MC-8600
101	SS411149-005	PCB HOLDER	
102	SS413617-001	C. LABEL-001	
103	QNZ0676-001	CONN ACCESSORY	
104	SS412017-012	EDGING	
105	SS413010-002	FINGER	
106	SS22906-002	C-PANEL(BL)	

Symbol No.	Part No.	Part Name	Description
107	SS412013-001	AC PANEL	
⚠ 108	QNC0048-001	AC INLET	
109	SS412001-001	D-SUB PANEL	
110	SS411956	STUD	
111	SSV2459-09	DUSTER COVER	
112	SS35436-001	DH-COVER	
113	WJS0037-001A	E-FL/RE WIRE	
114	SS412019-002	BLIND PANEL	
115	SS36280	REAR PANEL (DH)	
116	SSV2458-050	D-SUB CAP	
117	SS412012-R07	CUSHION	
118	SS412012-R08	CUSHION	
119	QAR0261-001	FAN MOTOR	
120	SS36338	FAN BKT	
121	SS35720-002	REAR PANEL(B)	
122	SSV3695	FAN GUARD	
123	SS36284	REAR PANEL(T2)	MC-8200
123	SS23206	REAR PANEL(T6)	MC-8600
124	SS35478-00G	CABI ASSY(8600)+D.HOUSE	MC-8600
124	SS35477-00G	CABI ASSY(8200)+D.HOUSE	MC-8200
125	SS412123-001	C.LABEL	
126	SS32387-00D	LOCK KEY ASSY	
127	SS411843-001	D LOCK CAM	
128	MC22-CARR	CARRIER MECHA ASSY	
129	SS412157	EARTH	
130	SS412138-002	CUSHION	
131	MC12-UD-M	U/D MOTOR ASSY	
132	SS412017-012	EDGING	
133	MC12-MAIL	MAIL SLOT ASSY	
134	SS412138-001	CUSHION	
135	SS412139-001	IL RELEASE BAR	
136	SS412038-001	No. LABEL(1 50)	
136	SS412038-002	No. LABEL(51 100)	
136	SS412038-003	No. LABEL(101 150)	
136	SS412038-004	No. LABEL(151 200)	
136	SS412038-005	No. LABEL(201 250)	MC-8600
136	SS412038-006	No. LABEL(251 300)	MC-8600
136	SS412038-007	No. LABEL(300 350)	MC-8600
136	SS412038-008	No. LABEL(351 400)	MC-8600
136	SS412038-009	No. LABEL(401 450)	MC-8600
136	SS412038-010	No. LABEL(451 500)	MC-8600
136	SS412038-011	No. LABEL(501 550)	MC-8600
136	SS412038-012	No. LABEL(551 600)	MC-8600
137	SS412043-001	CAUTION LABEL	
138	SS412352-001	CAUTION LABEL	
140	SSV2923	FLAT CORE	
141	MC82-CHAS	CHASSIS PCB ASS'Y	
142	SS411880-004	WIRE CLAMP	
143	SS412125-001	IL RULER	
144	SS412125-002	IL RULER	
145	QSW0540-001	SW	
146	SS412039-001	KEY LABEL	
147	SS35506-002	C. LABEL(TPS/JP)	
148	SS35448-002	C. LABEL(TRY/JP)	
151	SS412562-001	RATING LABEL	
152	SS412084-002	FCC LABEL	
153	SS48287-002	CAUTION. LABEL	
154	SC40865-001	WARNING. LABEL	
155	SS412043-001	CAUTION. LABEL	
156A	SS412047-001	UL LABEL	

Symbol No.	Part No.	Part Name	Description
156B	SS412174-002	CE/TUV LABEL	
157	SSV2923	FLAT CORE	
158	QSW0540-001	MICRO SWITCH	
159	SS412476-001	CPL SW BASE	
161	SS47383-001	C. LABEL	
163	QQR0216-001	CLAMP FILTER	CN13(for AP), CN900 (for CHAS),
164	SS412732-A0040	GASKET	
165	SS412017-012	EDGING	
166	SS412732-B0030	GASKET	
167	SS412012-C01	CUSHION	
168	SS412716-001	C. LABEL	
169	SS413622-001	C. LABEL	
171	SS413601	S. PCB BRACKET	
173	SS413386	REAR PANEL HOOK	
174	LS40403-001A	CON. PLATE	
175	LS30371-001A	PWB BASE	
176	SK250400A1	LVD PWB ASSY	
S1	SS411848-001	SCREW	
S2	QYSDSTY3006X	SCREW	
S3	SS411339-001	SCREW	
S4	QYSDST3006M	SCREW	M3 x 6
S5	QYSDSP3006M	SCREW	M3 x 6
S6	QYSBSFG3006M	SCREW	
S7	QYSBSF3008M	SCREW	M3 x 8
S8	QYSDSF3006M	SCREW	
S9	QYSBSF3012M	SCREW	
S10	QYSBSF4035M	SCREW	
S11	QYSDST4008M	SCREW	M4 x 8
S12	QYSPSPD4008Z	SCREW	M4 x 8
S13	QYSPSPD3006Z	SCREW	
S14	QYSBST4008N	SCREW	M4 x 8
S15	QYSDSP3005M	SCREW	
S16	QYSPSP2604Z	SCREW	
S17	SS411759-002	SCREW	
S18	QYSDST3006Z	SCREW	M3 x 6
S19	QYSDSP4008M	SCREW	
S20	QYSDST3010M	SCREW	M3 x 10
S21	SXST4008N	SCREW	
S22	QYSPSPD4010Z	SCREW	M4 x 10
S23	QYSDSTY3006N	SCREW	
S24	QYSBSTG3010M	SCREW	
S25	QYSDST3008M	SCREW	M3 x 8
S26	QYSBSFG3008M	SCREW	
S27	QYSDSP2004N	SCREW	M2 x 4
S28	QYAPSPL4010Z	SCREW	M4 x 10
S29	QYSBST3006X	SCREW	M3 x 6
S30	QYSSST3008M	SCREW	
S31	QYSPSP3008Z	SCREW	M3 x 8
S33	QYSDSTY3008X	SCREW	
S34	QYSBSTG3008M	SCREW	
S35	QYSPSPL2310Z	SCREW	
S36	LS40316-001A	SCREW	x 2
S37	QYSDST3006N	SCREW	M3 x 4
W1	QYWSS439008Z	WASHER	
W2	QYREE2500	E WASHER	
W3	QYWFM31540	WASHER	x 2 MC-8600

4.3 CARRIER ASSEMBLY M2

Apply grease (G-31KAV)



4-5

4.4 CARRIER MECHANISM ASSEMBLY LIST M 2

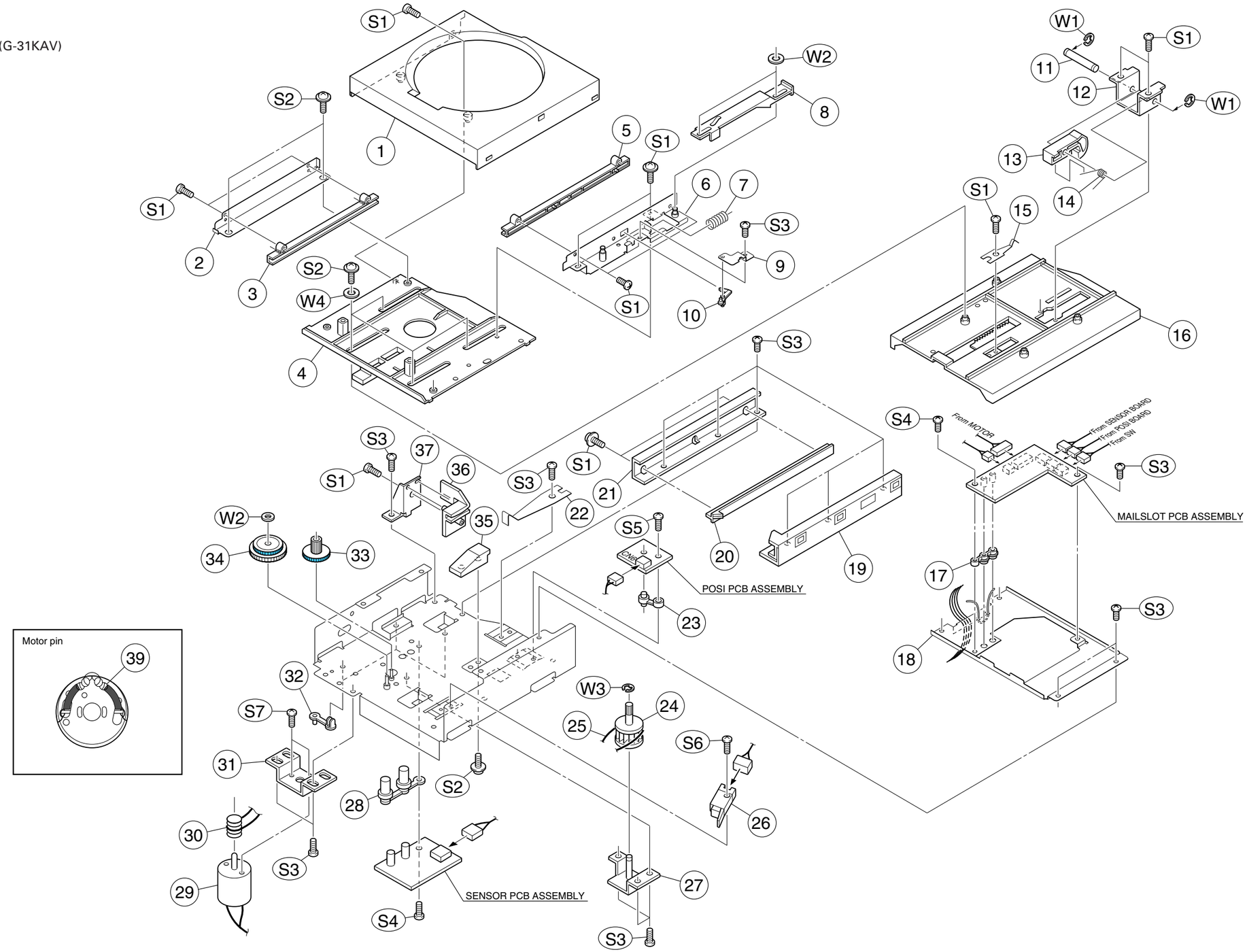
M 2 M M

Symbol No.	Part No.	Part Name	Description
2	SS35406-002	ILL.BRACKET	
3	SS412167	TL-BRACKET	
4	SS35343-001	T.L HOLDER	
5	SS411943	T-LINK	
6	SS35343-002	T.L HOLDER	
7	SS22745-00B	C.CHASSIS ASSEMBLY	
8	SS22739	TRAY GUIDE(F)	
9	SS48906-003	STOPPER(1)	
10	SS411807-002	PUSHER	
11	SS411807-001	PUSHER	
12	SS411908-001	SPRING	
13	SS22740	DISK STOPPER(F)	
14	PHY214PH02N	WIRE ASSEMBLY	
15	SS411912	H.RAIL	
16	SS410979-004	S.SUPPORT	
17	SS410982-002	C.H.S.BEARING	
18	SS412600-002	C.SLIDER	
19	SS412600-001	C.SLIDER	
20	SS410978-00C	S.SUPPORT ASSEMBLY	
21	SS48874	J.GEAR	
22	SS411806	J.GEAR	
23	SS410295	C.H.S.GEAR	
24	SS411904	C.H.W.GEAR	
25	SS34908-00D	C. HOLDER ASSEMBLY	
26	SS411903	H.SHAFT	
27	EHT309EH03N	WIRE	
28	EHT312EH03N	WIRE	
29	SS35405	T.G.HOLDER	
30	SS22741	T.GUIDE(R)	
31	SS35344-002	DISK STOPPER(R)	
32	SS410976	S.BASE	MC12-LOAD-M (LOADING M ASSY) will be supplied as it can not be disassembled.(W4 and S10 is included)
33	SSV2793	DC MOTOR	
34	SS411906-00A	TLM BRA ASSEMBLY	
35	SS48863-002	SL.GEAR	
36	SS412601-00B	SENSOR GEAR ASS'Y	
38	PHY412PH04N	WIRE	
39	SM3921-001	LABEL	
40	SS410973	LSP.SHAFT	
41	SS410972-002	L.SPRING	
42	SS410966	C.S.SHAFT	
43	SS411915-00A	LEVER(R) ASSEMBLY	
44	SS411902-00A	LEVER(L) ASSEMBLY	
45	PHY307PH03N	WIRE	
46	SS411003-001	CS.BRACKET	
47	SS411002-002	SPRING	
48	SS411907-00B	T.STOPPER ASSEMBLY	
49	SS411003-002	CS.BRACKET	
50	SS411002-001	SPRING	
51	SS411907-00A	T.STOPPER ASSEMBLY	
52	EHT212EH02N	WIRE	
53	PHYD06PH05N	WIRE ASSEMBLY	
54	SS410991-00A	TL.BRACKET ASSEMBLY	
55	SS410993-00A	T.L-LINK ASSEMBLY	
56	SS411911	TLS.BRACKET	
57	SS410997-002	SPRING	
58	SS410996	TL SCREW	
59	SS410999	SCREW	
60	SS411918-00A	CAM BRACKET	
61	SS411008-002	BRACKET	
62	SS411009-002	MOTOR BRACKET	
63	SS411007	W.SHAFT	MC12-TR-M (TRAY LOCK M ASSY) will be supplied as it can not be disassembled.
64	SS411006	WORM GEAR	
65	SSV2793	DC MOTOR	
66	SS411004-00A	BASE ASSEMBLY	
67	SS411025	R.PLATE	
68	SS411010	GUIDE	
69	SS411026-00A	PLATE ASSEMBLY	
70	SS411022-00A	BRACKET ASSEMBLY	
71	SS411011-00A	WORM WHEEL ASSEMBLY	
72	SS411017-003	PL BASE	
73	SS411016	SLIDER	
74	SS410961-002	SPRING	
75	SS411015	S.BRACKET	
76	SS411018-00A	L.BRACKET ASSEMBLY	
77	SS411021	PIN	
78	EHT308EH03N	WIRE	
79	SS411044-002	CUSHION	
80	SS411044-001	CUSHION	
81	SS411035	WC BRACKET	
82	SS411394-00B	C.WIRE ASSEMBLY	
83	SS411394-00A	C.WIRE ASSEMBLY	
84	SS411340	BUSH	
85	SSV2622-3084B	FLAT CABLE	MC-8200
85	SSV2622-30144B	FLAT CABLE	MC-8600
86	QCFB1HZ-104YR	C CAP	
87	SS411415	S.BRACKET	
88	SS411419-001	SPRING	
89	SS412141-001	PROTECTOR	
90	SS412141-002	PROTECTOR	
S1	QYSDSF3008M	SCREW	M3 X 8
S2	QYSDSP2604M	SCREW	M2.6 X 4
S3	QYSBSFG3008M	SCREW	M3 X 8
S4	QYSDSP2004M	SCREW	M2 X 4
S5	QYSDSP2008M	SCREW	M2 X 8
S6	QYSDST2005Z	SCREW	M2 X 5
S7	QYSBSF2606Z	SCREW	M2.6 X 6
S8	QYSDSP2006M	SCREW	M2 X 6
S9	QYSDST3006M	SCREW	M3 X 6
S10	QYSPSP3003Z	SCREW	M3 X 3
S11	QYSPSPD3006M	SCREW	M3 X 6
S12	QYSDSF2004M	SCREW	M2 X 4
S13	QYSDSP3006M	SCREW	M3 X 6
S14	QYSDST3008M	SCREW	M3 X 8
W1	QYREE2000X	E RING	
W2	QYWSS327005Z	WASHER	
W3	QYWFM264750	POLY WASHER	
W4	QYREE1500	E RING	
W5	QYREE3000X	E WASHER	
W6	QYWFM315450	POLY WASHER	
W7	QYWFM315425	WASHER	

4-6

4.5 MAIL SLOT ASSEMBLY M 3

Apply grease (G-31KAV)

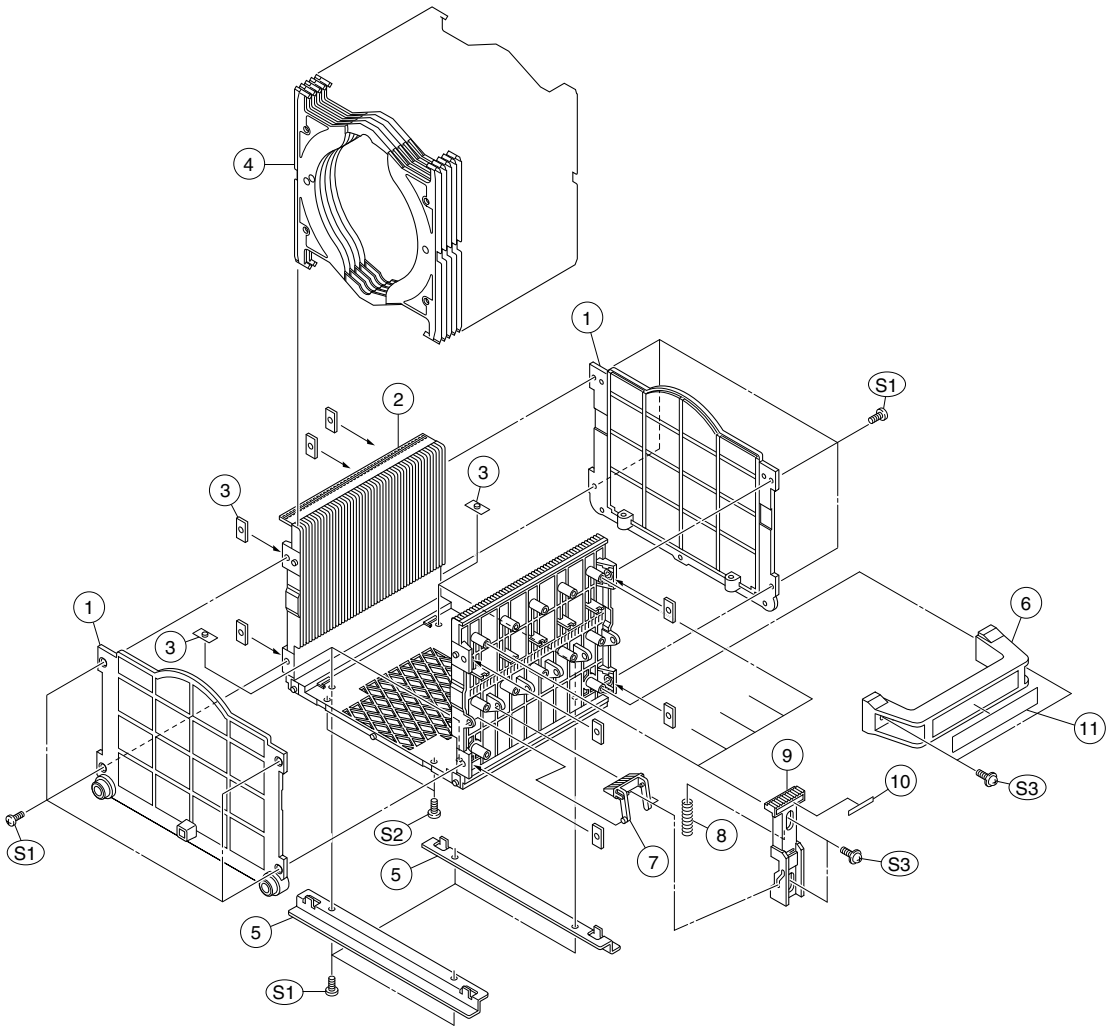


4.6 MAIL SLOT ASSEMBLY LIST M3

M3MM□□□□

Symbol No.	Part No.	Part Name	Description
1	SS11616-002	GUIDE	
2	SS411934	TGR BRACKET	
3	SS35350	TRAY GUIDE(R)	
4	SS22743-002	BASE	
5	SS35349	T.RAIL(F)	
6	SS411927-00B	TGF BKT ASSEMBLY	
7	SS411923-001	SPRING	
8	SS35348	TL PUSHER	
9	SS411938	TLG BRACKET	
10	SS411920	TRAY LOCK	
11	SS411919	SL SHAFT	
12	SS411924-002	ST BRACKET	
13	SS411925-002	STOPPER	
14	SS411922	SPRING	
15	SS411935	P.SPRING(UD)	
16	SS22742	GEAR BASE	
17	SS411929-002	S.GUIDE	
18	SS35409	SEN.HOLDER	
19	SS35347	BASE GUIDE(F)	
20	SS35351	BASE GUIDE(R)	
21	SS411936	BGR BRACKET	
22	SS411942	P.SPRING	
23	SS412048	PCB SPACER	
24	SSV3280	PULLEY-GEAR	
25	SSV3222	BELT	
26	SSV1835	SW	
27	SS411932-00C	P.G.BKT ASSEMBLY	
28	SS411929-001	S.GUIDE	
29	SSV2793	DC MOTOR	MC12-RAIL-M (RAIL MOTOR ASSY) will be supplied as it can not be disassembled.
30	SSV3279	PULLEY	
31	SS411930	MOTOR BRACKET	
32	SS411880-003	CLAMP	
33	SS411811	GEAR-3	
34	SS411812	GEAR-4	
35	SS411926	STOPPER(B)	
36	SS35410	TRAY GUIDE(S)	
37	SS411937	TGS BRACKET	
38	SS411941-00B	B.BASE ASSEMBLY	
39	QCFB1HZ-104Y	C CAP	
S1	QYSDSF3006M	SCREW	M3 X 6
S2	QYSBSFG3006M	SCREW	M3 X 6
S3	QYSDST3006M	SCREW	M3 X 8
S4	QYSDST3010M	SCREW	M3 X 10
S5	QYSDSP2610Z	SCREW	M2.6 X 10
S6	QYSDSP2008M	SCREW	M2 X 8
S7	QYSPSP3003Z	SCREW	M3 X 3
W1	QYREE2000	WASHER	
W2	WDL260550-2	WASHER	
W3	QYWDL2140254	WASHER	
W4	QYWFM629513	WASHER	

4.7 MAGAZINE ASSENBLY M 4

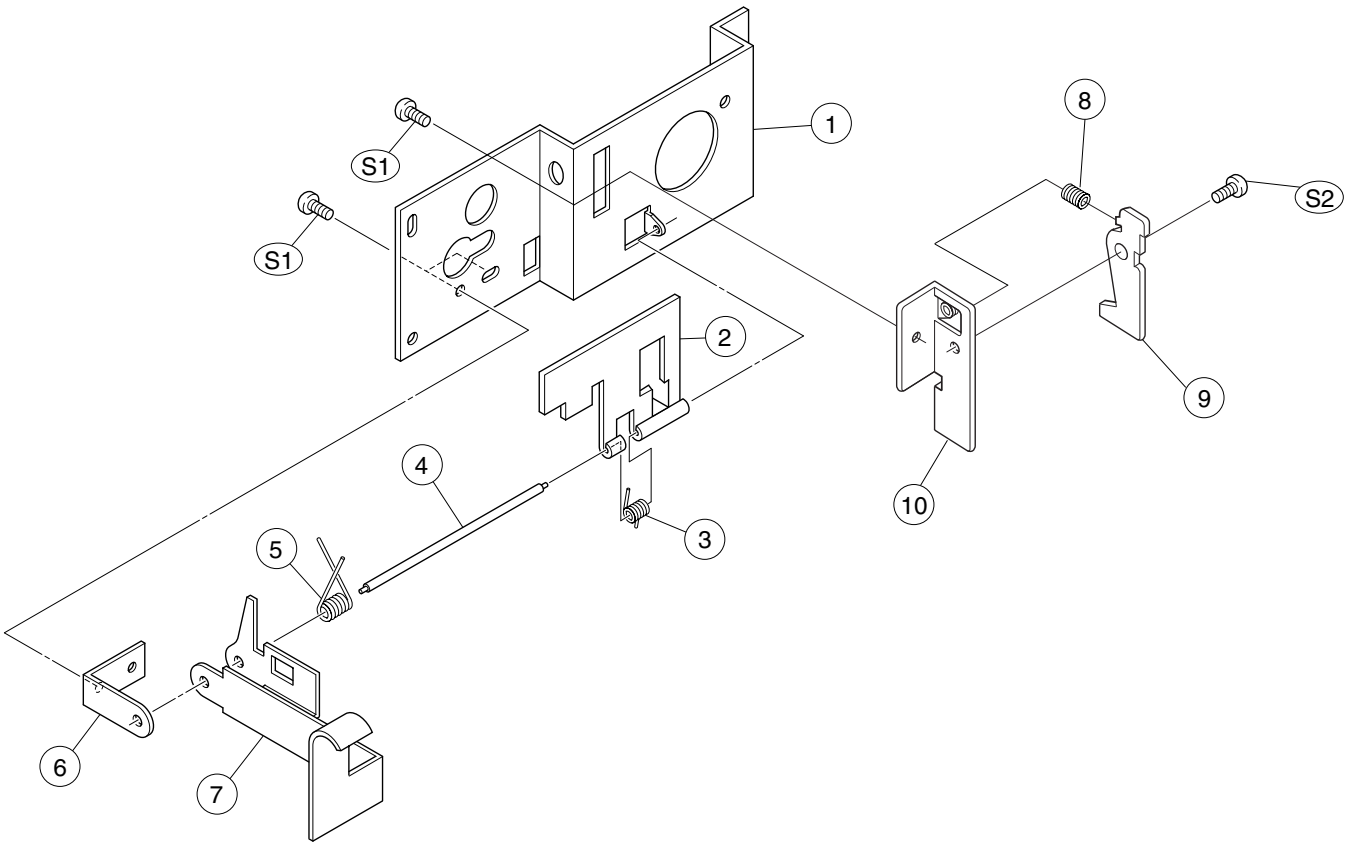


4.8 MAGAZINE ASSENBLY LIST M 4

M 4 M M

Symbol No.	Part No.	Part Name	Description
1	SS22736-001	TB PLATE	
2	SS11613-001	RAIL BOX	
3	SS411080-001	NUT PLATE	
4	SS22735-004	TRAY	
5	SS412024-001	R-GUIDE BAR	
6	SS35337-001	GRIP	
7	SS35338-001	TRAY LOCK	
8	SS411084-001	SPRING(TL)	
9	SS35339-001	T.L.PUSHER	
10	SS411851-001	LABEL(ADRS)	(1—50)
11	SS411852-001	LABEL(No. 1—4)	
S1	QYSDSP3008M	SCREW	M3 X 8
S2	QYSBSF3008M	SCREW	M3 X 8
S3	QYSBSFG3008M	SCREW	M3 X 8

4.9 CENTER PANEL (B) ASSENBLY M 5



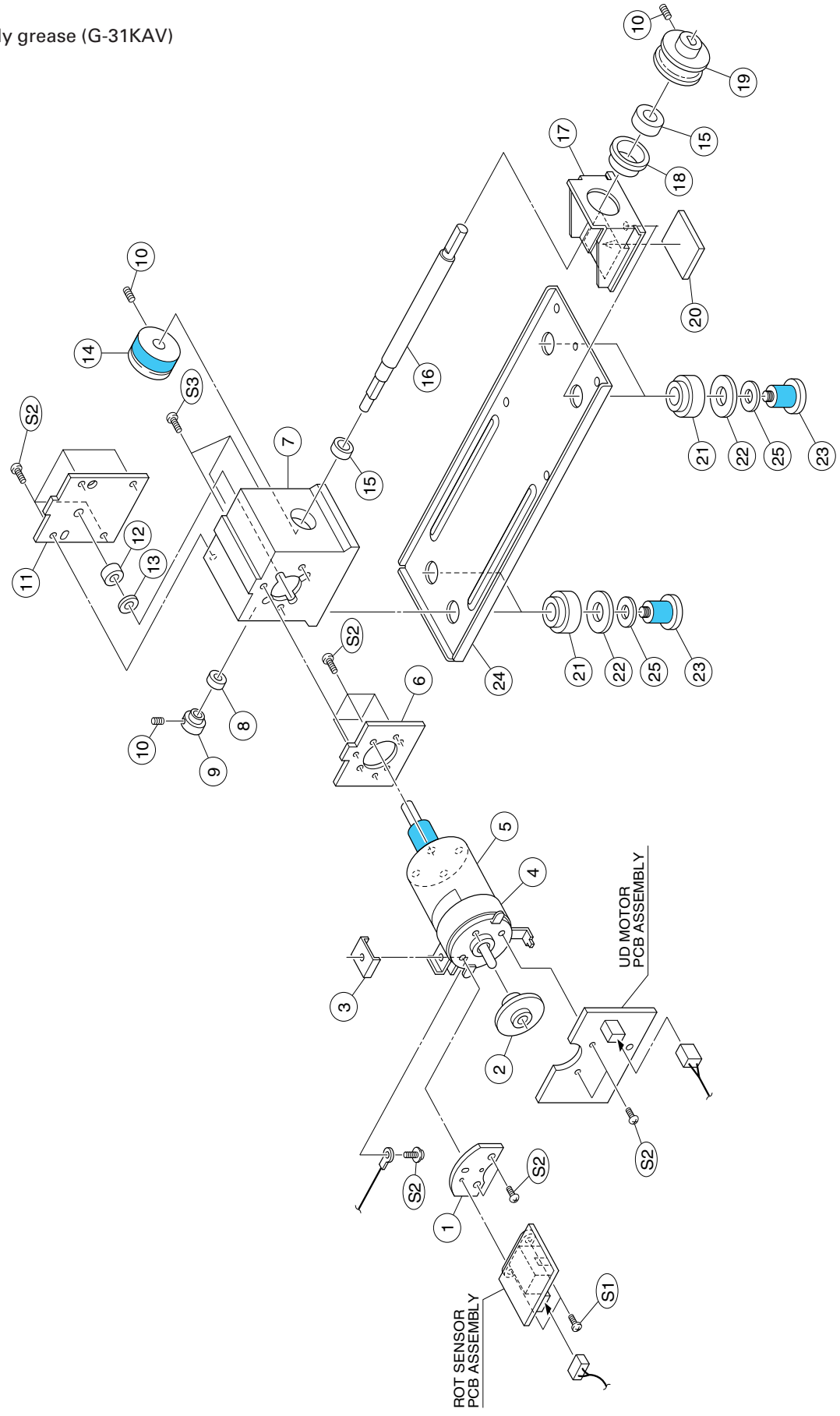
4.10 CENTER PANEL (B) ASSENBLY LIST M 5

M 5 M M

Symbol No.	Part No.	Part Name	Description
1	SS35499-002	CENTER PANEL(B)	
2	SS412116-003	SDL-HOOK	
3	SS412120	SPRING	
4	SS412118-001	SDL-SHAFT	
5	SS412119	SPRING	
6	SS412117-001	SDL-SHAFT. BKT	
7	SS35500-002	SDL-LEVER	
8	SS412481-002	SPRING	
9	SS412474-003	CPL-HOOK	
10	SS412475-003	CPLH-BASE	
S1	QYSDST3006M	SCREW	
S2	SS411339-001	SCREW	

4.11 U/D MECHANISM ASSENBLY M 6

Apply grease (G-31KAV)

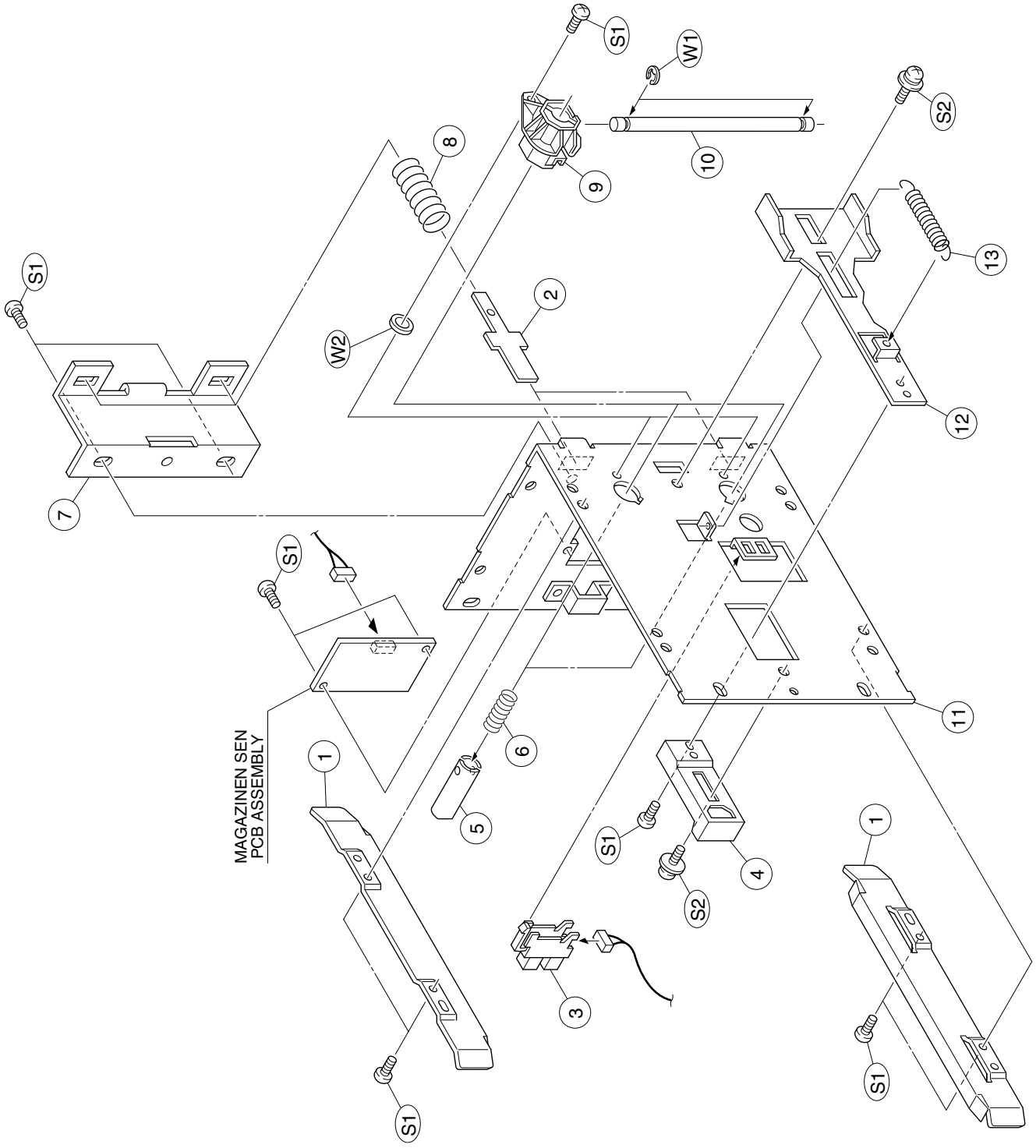


4.12 U/D MECHANISM ASSENBLY LIST M 6

M 6 M M

Symbol No.	Part No.	Part Name	Description
1	SS411891	SENSOR BASE	
2	SS411944-00B	SENSOR PLATE ASSEMBLY	
3	SS412027	T PLATE	
4	SS412026	N BAND	
5	QAR0004-001	MOTOR	
6	SS411889	PLATE	
7	SS35346	GEAR BOX	
8	SS410822-002	B.BEARING	
9	SS411888-002	STOPPER	
10	QYYASPR3006M	S.SET SCREW	
11	SS411813	SIDE COVER	
12	SS45160-001	BALL BEARING	
13	QYWFM629513	WASHER	
14	SS411817-00A	W.WHEEL ASSEMBLY	
15	SS45160-006	BEARING	
16	SS411892	SHAFT	
17	SS411896	HOLDER	
18	SS410813	B.HOLDER	
19	SS49074-00B	PULLEY (T) ASSEMBLY	
20	SS410379-002	CUSHION	
21	SS410319	BUSHING	
22	SS410320	SPACER	
23	SS410893	SP.SCREW	
24	SS411901	TOP PLATE	
25	QYWSS64C516N	WASHER	
S1	QYSDSF2005M	SCREW	M2 X 5
S2	QYSPSPL3008M	SCREW	M3 X 8
S3	QYSDSP3005M	SCREW	M3 X 5

4.13 MAGAZINE HOUSE ASSENBLY M 7



4.14 MAGAZINE HOUSE ASSENBLY LIST M7

M7MM□□□□

Symbol No.	Part No.	Part Name	Description
1	SS35442-001	GUIDE RAIL(P)	
2	SS412022-001	ST-BAR	
3	GP1A61LC	SENSOR	
4	SS35340-002	KNOB	
5	SS35341-001	LOCK PIN	
6	SS412036-002	SPRING	
7	SS412025-001	STOPPER BASE	
8	SS412036-003	SPRING	
9	SS35342-002	L-PIN HOLDER	
10	SS412035-001	JOINT SHAFT	
11	SS35536-00A	M-HOUSE ASS Y	
12	SS35443-001	SLIDE BAR	
13	SS411085-001	SPRING(RH)	
14	SS412160-001	M-H-BRACKET	
15	SS412962	SPACER	
S1	QYSDST3006M	SCREW	M3 X 6
S2	SS411339-001	SCREW	
W1	QYREE3000X	E.WASHER	
W2	Q03093-826	POLI SLIDER	

SECTION 5
ELECTRICAL PARTS LIST

SAFETY PRECAUTION:

Parts identified by the ⚠ symbol are critical for safety. Replace only with specified parts numbers.
For maximum reliability and performance, all other replacement parts should be identical to those specified.

NOTE:

- Parts not denoted by parts numbers are not supplied by JVC.
- Abbreviations in this list are as follows:

RESISTORS

In the Description column:

All resistance values are in ohms (Ω).
k expresses kilo-ohm (1 000 ohms, kΩ).
M expresses mega-ohm (10^6 ohms, MΩ).

In the Parts Name column:

CAR.RESISTOR	: Carbon Resistor
C.M.F.RESISTOR	: Constant Metalized Film Resistor
COMP.RESISTOR	: Composition Resistor
FUSI.RESISTOR	: Fusible Resistor
M.F.RESISTOR	: Metal Film Resistor
M.G.RESISTOR	: Metal Graze Resistor
M.P.RESISTOR	: Metal Plate Resistor
O.M.F.RESISTOR	: Oxide Metalized Film Resistor
TRIM.RESISTOR	: Trimerer Resistor
U.F.RESISTOR	: Non-inflammable Resistor
VAL.RESISTOR	: Valiable Resistor
W.W.RESISTOR	: Wire Wound Resistor

CAPACITORS

In the Description column:

All capacitance values are in microfarad (μF) unless otherwise indicated.
p expresses picofarad (10^{-12}farad,pF).

In the Parts Name column:

CER.CAPACITOR	: Ceramic Capacitor
E.CAPACITOR	: Electrolytic Capacitor
FILM CAPACITOR	: Film Capacitor
M.F.CAPACITOR	: Metalized Film Capacitor
MICA CAPACITOR	: Mica Capacitor
MPP CAPACITOR	: Metalized PolyPropylene Capacitor
MPPS CAPACITOR	: Metalized PolyPhenylene Sulfied film Capacitor
M.M.CAPACITOR	: Metalized Mylar Capacitor
MYLAR CAPACITOR	: Mylar Capacitor
N.P.CAPACITOR	: Non-Poler electrolytic Capacitor
P.P.CAPACITOR	: PolyPropylene Capacitor
PPS CAPACITOR	: PolyPhenylene Sulfied film Capacitor
P.S.CAPACITOR	: PolyStyrene Capacitor
TAN.CAPACITOR	: Tantal Capacitor
TRIM.CAPACITOR	: Trimer Capacitor
VAL.CAPACITOR	: Valiable Capacitor

5.1 CHASSIS BOARD ASSEMBLY PARTS LIST 01

01

Symbol No.	Part No.	Part Name	Description
IC1	MC74AC32N	I.C.	
IC205	MC74HC125AN	I.C(DIGI-MOS)	
IC300	MB90T678BPF	I.C.	
IC310	MC74AC373N	I.C.	
IC311	MC74AC373N	I.C.	
IC320	PLSS1719	EP-ROM	M27C512-10F1
IC321	PLSS1719	EP-ROM	M27C512-10F1
IC340	MC74AC139N	I.C.	
IC341	MC74HC04AN	I.C(DIGI-MOS)	MOTOROLA
IC342	SN74LS688N	I.C.	
IC360	HA16103PJ	I.C(MONO-ANA)	
IC361	TC74HC123AP	I.C(DIGI-MOS)	
IC400	MP4708	F.E.T.	
IC410	MC74HC08AN	I.C.(M)	MOTOROLA
IC420	MC74HC04AN	I.C(DIGI-MOS)	MOTOROLA
IC450	SN74LS07N	I.C.(DIGI-OTHER	TEXAS
IC520	MC74HC04AN	I.C(DIGI-MOS)	MOTOROLA
IC530	MC74HC08AN	I.C.(M)	MOTOROLA
IC600	TA7279AP	I.C(MONO-ANA)	
IC700	M66500SP	I.C(DIGI-MOS)	
IC710	TA7279AP	I.C(MONO-ANA)	
IC730	TA7279AP	I.C(MONO-ANA)	
IC750	TA7279AP	I.C(MONO-ANA)	
IC770	MC74AC573N	I.C.	
IC771	MC74AC573N	I.C.	
IC820	MC74AC573N	I.C.	
IC900	MC74AC573N	I.C.	
IC910	MC74HC125AN	I.C(DIGI-MOS)	
Q110	2SC1384/R/	SI.TRANSISTOR	MATSUSHITA
Q360	DTC124ESA-T	TRANSISTOR	
Q401	2SC1384/R/	SI.TRANSISTOR	MATSUSHITA
Q402	2SA684/R/	SI.TRANSISTOR	MATSUSHITA
Q403	2SA1309A/RS/-T	TRANSISTOR	MATSUSHITA
Q404	2SC3311A/RS/-T	SI.TRANSISTOR	MATSUSHITA
Q405	2SC1384/R/	SI.TRANSISTOR	MATSUSHITA
Q406	2SA684/R/	SI.TRANSISTOR	MATSUSHITA
Q407	2SA1309A/RS/-T	TRANSISTOR	MATSUSHITA
Q408	2SC3311A/RS/-T	SI.TRANSISTOR	MATSUSHITA
Q409	2SC1384/R/	SI.TRANSISTOR	MATSUSHITA
Q410	2SC1384/R/	SI.TRANSISTOR	MATSUSHITA
Q480	DTC124ESA-T	TRANSISTOR	
Q500	SLA4391	TRANSIST.ARRAY	
D110	ERA15-02-T1	DIODE	FIJI ELECTRIC
D300	ERA82-004-T1	SI.DIODE	
D301	MA700A-T2	DIODE	MATSUSHITA
D302	ERA82-004-T1	SI.DIODE	
D303	HZ3B2	ZENER DIODE	HITACHI
D360	ERA15-02-T1	DIODE	FIJI ELECTRIC
D501	SB540	SI.DIODE	GENERAL INST
D502	SB540	SI.DIODE	GENERAL INST
D600	ERA82-004-T1	SI.DIODE	
D601	ERA82-004-T1	SI.DIODE	
D602	ERA82-004-T1	SI.DIODE	
D603	ERA82-004-T1	SI.DIODE	
D604	ERA82-004-T1	SI.DIODE	
D605	ERA82-004-T1	SI.DIODE	
D606	ERA82-004-T1	SI.DIODE	
D607	ERA82-004-T1	SI.DIODE	
D700	ERA82-004-T1	SI.DIODE	
D701	ERA82-004-T1	SI.DIODE	
D702	ERA82-004-T1	SI.DIODE	
D703	ERA82-004-T1	SI.DIODE	
D720	ERA82-004-T1	SI.DIODE	
D721	ERA82-004-T1	SI.DIODE	
D722	ERA82-004-T1	SI.DIODE	
D723	ERA82-004-T1	SI.DIODE	
D730	ERA82-004-T1	SI.DIODE	
D731	ERA82-004-T1	SI.DIODE	
D732	ERA82-004-T1	SI.DIODE	
D733	ERA82-004-T1	SI.DIODE	
D750	ERA82-004-T1	SI.DIODE	

Symbol No.	Part No.	Part Name	Description	
D751	ERA82-004-T1	SI.DIODE		
D752	ERA82-004-T1	SI.DIODE		
D753	ERA82-004-T1	SI.DIODE		
D760	ERA82-004-T1	SI.DIODE		
D761	ERA82-004-T1	SI.DIODE		
D762	ERA82-004-T1	SI.DIODE		
D763	ERA82-004-T1	SI.DIODE		
D780	ERA82-004-T1	SI.DIODE		
D781	ERA82-004-T1	SI.DIODE		
D782	ERA82-004-T1	SI.DIODE		
D783	ERA82-004-T1	SI.DIODE		
LD360	SEL6210R-T	L.E.D.		
R1	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R2	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R3	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R5	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R6	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R7	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R8	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R9	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R10	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R11	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R12	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R13	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R14	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R15	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R16	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R19	QRE141J-0R0Y	CARBON RESISTOR	0	1/4W
R20	QRE141J-0R0Y	CARBON RESISTOR	0	1/4W
R21	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R22	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R23	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R24	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R41	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R42	QRE141J-470Y	CARBON RESISTOR	47	1/4W
R43	QRE141J-102Y	CARBON RESISTOR	1.0K	1/4W
R44	QRE141J-471Y	CARBON RESISTOR	470	1/4W
R45	QRE141J-471Y	CARBON RESISTOR	470	1/4W
R46	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R47	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R51	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R52	QRE141J-470Y	CARBON RESISTOR	47	1/4W
R53	QRE141J-102Y	CARBON RESISTOR	1.0K	1/4W
R54	QRE141J-471Y	CARBON RESISTOR	470	1/4W
R55	QRE141J-471Y	CARBON RESISTOR	470	1/4W
R56	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R57	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R110	QRE141J-223Y	CARBON RESISTOR	22K	1/4W
R111	QRE141J-472Y	CARBON RESISTOR	4.7K	1/4W
R300	QRE141J-391Y	CARBON RESISTOR	391	1/4W
R301	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R302	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R304	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R305	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R308	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R358	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R360	QRE141J-224Y	CARBON RESISTOR	220K	1/4W
R361	QRE141J-105Y	CARBON RESISTOR	1.0M	1/4W
R362	QRE141J-224Y	CARBON RESISTOR	220K	1/4W
R364	QRE141J-333Y	CARBON RESISTOR	33K	1/4W
R365	QRE141J-102Y	CARBON RESISTOR	1.0K	1/4W
R368	QRE141J-271Y	CARBON RESISTOR	270	1/4W
R369	QRE141J-472Y	CARBON RESISTOR	4.7K	1/4W
R370	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R371	QRE141J-153Y	CARBON RESISTOR	15K	1/4W
R372	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R373	QRE141J-223Y	CARBON RESISTOR	22K	1/4W
R375	QRE141J-332Y	CARBON RESISTOR	3.3K	1/4W
R400	QRF051J-R47	UFR	0.47	5W
R403	QRE141J-471Y	CARBON RESISTOR	470	1/4W

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Symbol No.	Part No.	Part Name	Description	
R411	QRE141J-102Y	CARBON RESISTOR	1.0K	1/4W
R412	QRE141J-102Y	CARBON RESISTOR	1.0K	1/4W
R413	QRE141J-750Y	CARBON RESISTOR	75	1/4W
R414	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R415	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R416	QRE141J-271Y	CARBON RESISTOR	270	1/4W
R417	QRE141J-271Y	CARBON RESISTOR	270	1/4W
R421	QRE141J-102Y	CARBON RESISTOR	1.0K	1/4W
R422	QRE141J-102Y	CARBON RESISTOR	1.0K	1/4W
R423	QRE141J-750Y	CARBON RESISTOR	75	1/4W
R424	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R425	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R431	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R432	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R433	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R434	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R502	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R503	QRE141J-102Y	CARBON RESISTOR	1.0K	1/4W
R504	QRE141J-332Y	CARBON RESISTOR	3.3K	1/4W
R505	QRE141J-332Y	CARBON RESISTOR	3.3K	1/4W
R506	QRE141J-471Y	CARBON RESISTOR	470	1/4W
R507	QRE141J-102Y	CARBON RESISTOR	1.0K	1/4W
R508	QRE141J-471Y	CARBON RESISTOR	470	1/4W
R510	QRE141J-332Y	CARBON RESISTOR	3.3K	1/4W
R511	QRE141J-332Y	CARBON RESISTOR	3.3K	1/4W
R512	QRE141J-471Y	CARBON RESISTOR	470	1/4W
R513	QRF051J-R47	UFR	0.47	5W
R540	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R541	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R542	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R543	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R544	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R545	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R546	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R548	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R549	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R551	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R552	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R553	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R554	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R555	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R556	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R557	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R600	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R601	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R602	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R603	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R610	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R611	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R612	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R613	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R620	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R621	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R622	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R623	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R630	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R631	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R632	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R639	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R640	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R641	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R642	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R649	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R650	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R651	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R652	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R659	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R660	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R661	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R662	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R669	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R670	QRE141J-101Y	CARBON RESISTOR	100	1/4W

Symbol No.	Part No.	Part Name	Description	
R671	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R672	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R679	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R680	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R681	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R682	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R689	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R700	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R701	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R702	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R703	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R704	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R705	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R706	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R707	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R708	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R709	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R710	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R711	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R712	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R715	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R716	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R717	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R720	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R721	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R722	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R723	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R724	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R725	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R726	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R727	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R728	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R729	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R730	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R731	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R732	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R733	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R734	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R735	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R736	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R737	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R738	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R739	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R740	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R741	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R742	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R744	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R745	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R746	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R747	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R750	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R751	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R752	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R753	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R754	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R755	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R756	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R757	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R758	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R759	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R760	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R761	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R762	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R763	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R764	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R765	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R766	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R767	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R768	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R769	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R770	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R771	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R772	QRE141J-103Y	CARBON RESISTOR	10K	1/4W

Symbol No.	Part No.	Part Name	Description	
R775	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R776	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R777	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R779	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R780	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R781	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R782	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R783	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R784	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R785	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R786	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R787	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R788	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R789	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R810	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R811	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R812	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R813	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R814	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R815	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R816	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R820	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R821	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R822	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R823	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R824	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R825	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R826	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R832	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R833	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R834	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R835	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R838	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R839	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R842	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R900	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R901	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R902	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R903	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R904	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R905	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R906	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R907	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R910	QRE141J-472Y	CARBON RESISTOR	4.7K	1/4W
R911	QRE141J-472Y	CARBON RESISTOR	4.7K	1/4W
R913	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R920	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R921	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R923	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R924	QRE141J-101Y	CARBON RESISTOR	100	1/4W
C1	QTMC1CM-337Z	E.CAPACITOR		
C2	QTMC1CM-337Z	E.CAPACITOR		
C3	QCFB1HZ-473Y	CER.CAPACITOR-S	0.047	50V
C4	QCZ0206-104Z	CER.CAPACITOR-S	0.10	
C5	QCFB1HZ-473Y	CER.CAPACITOR-S	0.047	50V
C6	QCFB1HZ-473Y	CER.CAPACITOR-S	0.047	50V
C7	QTMC1CM-337Z	E.CAPACITOR		
C8	QCBB1HK-102Y	CER.CAPACITOR-S	1000P	50V
C9	QCBB1HK-102Y	CER.CAPACITOR-S	1000P	50V
C205	QCZ0206-104Z	CER.CAPACITOR-S	0.10	
C206	QCFB1HZ-473Y	CER.CAPACITOR-S	0.047	50V
C300	QCZ0206-104Z	CER.CAPACITOR-S	0.10	
C301	QDC31HJ-101Z	C CAP		
C302	QDC31HJ-101Z	C CAP		
C305	QCZ0206-104Z	CER.CAPACITOR-S	0.10	
C306	QCZ0206-104Z	CER.CAPACITOR-S	0.10	
C307	QCZ0206-104Z	CER.CAPACITOR-S	0.10	
C308	QCZ0206-104Z	CER.CAPACITOR-S	0.10	
C309	QCZ0206-104Z	CER.CAPACITOR-S	0.10	
C310	QCZ0206-104Z	CER.CAPACITOR-S	0.10	
C311	QCZ0206-104Z	CER.CAPACITOR-S	0.10	
C312	QFV61HJ-334Z	MY CAP	0.33	50V

Symbol No.	Part No.	Part Name	Description	
C313	QFV61HJ-334Z	MY CAP	0.33	50V
C320	QCZ0206-104Z	CER.CAPACITOR-S	0.10	
C321	QCZ0206-104Z	CER.CAPACITOR-S	0.10	
C340	QCZ0206-104Z	CER.CAPACITOR-S	0.10	
C341	QCZ0206-104Z	CER.CAPACITOR-S	0.10	
C342	QCZ0206-104Z	CER.CAPACITOR-S	0.10	
C360	QCZ0206-104Z	CER.CAPACITOR-S	0.10	
C361	QFN31HJ-102Z	MYLAR CAPCTR/CV	1000P	50V
C362	QFN31HJ-103Z	MY.CAPACITOR/CV	0.010	50V
C363	QFN31HJ-224Z	M.M.CAPACITOR	0.22	50V
C364	QFN31HJ-103Z	MY.CAPACITOR/CV	0.010	50V
C366	QCZ0206-104Z	CER.CAPACITOR-S	0.10	
C367	QCZ0206-104Z	CER.CAPACITOR-S	0.10	
C368	QTNC1HM-105Z	BE E CAP		
C369	QCZ0206-104Z	CER.CAPACITOR-S	0.10	
C370	QTMC1HM-475Z	E.CAPACITOR		
C400	QTMC1EM-107Z	E.CAPACITOR		
C401	QCZ0206-104Z	CER.CAPACITOR-S	0.10	
C403	QTMC1HM-106Z	E.CAPACITOR		
C405	QDC31HJ-101Z	C CAP		
C406	QDC31HJ-101Z	C CAP		
C407	QDC31HJ-101Z	C CAP		
C408	QDC31HJ-101Z	C CAP		
C410	QCZ0206-104Z	CER.CAPACITOR-S	0.10	
C420	QCFB1HZ-473Y	CER.CAPACITOR-S	0.047	50V
C421	QCFB1HZ-473Y	CER.CAPACITOR-S	0.047	50V
C422	QCZ0206-104Z	CER.CAPACITOR-S	0.10	
C430	QCFB1HZ-473Y	CER.CAPACITOR-S	0.047	50V
C450	QCZ0206-104Z	CER.CAPACITOR-S	0.10	
C500	QCFB1HZ-473Y	CER.CAPACITOR-S	0.047	50V
C501	QCF31HZ-103Z	CER.CAPACITOR	0.010	50V
C502	QCF31HZ-103Z	CER.CAPACITOR	0.010	50V
C507	QCFB1HZ-473Y	CER.CAPACITOR-S	0.047	50V
C510	QTMC1HM-105Z	E.CAPACITOR		
C511	QTMC1HM-105Z	E.CAPACITOR		
C512	QTMC1HM-106Z	E.CAPACITOR		
C513	QTMC1EM-107Z	E.CAPACITOR		
C514	QCZ0206-104Z	CER.CAPACITOR-S	0.10	
C520	QCZ0206-104Z	CER.CAPACITOR-S	0.10	
C530	QCZ0206-104Z	CER.CAPACITOR-S	0.10	
C600	QCFB1HZ-473Y	CER.CAPACITOR-S	0.047	50V
C601	QTMC1CM-337Z	E.CAPACITOR		
C603	QCFB1HZ-473Y	CER.CAPACITOR-S	0.047	50V
C604	QCFB1HZ-473Y	CER.CAPACITOR-S	0.047	50V
C605	QTMC1HM-105Z	E.CAPACITOR		
C606	QTMC1HM-105Z	E.CAPACITOR		
C607	QTMC1CM-337Z	E.CAPACITOR		
C608	QCFB1HZ-473Y	CER.CAPACITOR-S	0.047	50V
C700	QCFB1HZ-473Y	CER.CAPACITOR-S	0.047	50V
C701	QTMC1HM-105Z	E.CAPACITOR		
C702	QCFB1HZ-473Y	CER.CAPACITOR-S	0.047	50V
C703	QTMC1HM-105Z	E.CAPACITOR		
C705	QTMC1CM-337Z	E.CAPACITOR		
C710	QCZ0206-104Z	CER.CAPACITOR-S	0.10	
C717	QTMC1CM-337Z	E.CAPACITOR		
C718	QCFB1HZ-473Y	CER.CAPACITOR-S	0.047	50V
C719	QCFB1HZ-473Y	CER.CAPACITOR-S	0.047	50V
C720	QCFB1HZ-473Y	CER.CAPACITOR-S	0.047	50V
C721	QTMC1HM-105Z	E.CAPACITOR		
C722	QCFB1HZ-473Y	CER.CAPACITOR-S	0.047	50V
C723	QTMC1HM-105Z	E.CAPACITOR		
C727	QTMC1CM-337Z	E.CAPACITOR		
C728	QCFB1HZ-473Y	CER.CAPACITOR-S	0.047	50V
C729	QCFB1HZ-473Y	CER.CAPACITOR-S	0.047	50V
C730	QCFB1HZ-473Y	CER.CAPACITOR-S	0.047	50V
C731	QTMC1HM-105Z	E.CAPACITOR		
C732	QCFB1HZ-473Y	CER.CAPACITOR-S	0.047	50V
C733	QTMC1HM-105Z	E.CAPACITOR		
C735	QTMC1CM-337Z	E.CAPACITOR		
C737	QTMC1CM-337Z	E.CAPACITOR		
C738	QCFB1HZ-473Y	CER.CAPACITOR-S	0.047	50V
C739	QCFB1HZ-473Y	CER.CAPACITOR-S	0.047	50V
C747	QTMC1CM-337Z	E.CAPACITOR		

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Symbol No.	Part No.	Part Name	Description
C748	QCFB1HZ-473Y	CER.CAPACITOR-S	0.047 50V
C749	QCFB1HZ-473Y	CER.CAPACITOR-S	0.047 50V
C750	QCFB1HZ-473Y	CER.CAPACITOR-S	0.047 50V
C751	QTMC1HM-105Z	E.CAPACITOR	
C752	QCFB1HZ-473Y	CER.CAPACITOR-S	0.047 50V
C753	QTMC1HM-105Z	E.CAPACITOR	
C755	QTMC1CM-337Z	E.CAPACITOR	
C757	QTMC1CM-337Z	E.CAPACITOR	
C758	QCFB1HZ-473Y	CER.CAPACITOR-S	0.047 50V
C759	QCFB1HZ-473Y	CER.CAPACITOR-S	0.047 50V
C760	QCFB1HZ-473Y	CER.CAPACITOR-S	0.047 50V
C761	QTMC1HM-105Z	E.CAPACITOR	
C762	QCFB1HZ-473Y	CER.CAPACITOR-S	0.047 50V
C763	QTMC1HM-105Z	E.CAPACITOR	
C767	QTMC1CM-337Z	E.CAPACITOR	
C768	QCFB1HZ-473Y	CER.CAPACITOR-S	0.047 50V
C769	QCFB1HZ-473Y	CER.CAPACITOR-S	0.047 50V
C770	QCZ0206-104Z	CER.CAPACITOR-S	0.10
C771	QCZ0206-104Z	CER.CAPACITOR-S	0.10
C780	QCFB1HZ-473Y	CER.CAPACITOR-S	0.047 50V
C781	QTMC1HM-105Z	E.CAPACITOR	
C782	QCFB1HZ-473Y	CER.CAPACITOR-S	0.047 50V
C783	QTMC1HM-105Z	E.CAPACITOR	
C800	QCFB1HZ-473Y	CER.CAPACITOR-S	0.047 50V
C801	QTMC1CM-337Z	E.CAPACITOR	
C820	QCZ0206-104Z	CER.CAPACITOR-S	0.10
C900	QCZ0206-104Z	CER.CAPACITOR-S	0.10
C901	QCFB1HZ-473Y	CER.CAPACITOR-S	0.047 50V
C910	QCZ0206-104Z	CER.CAPACITOR-S	0.10
LC2	QQR1093-010Z	EMI FILTER	
LC3	QQR1093-010Z	EMI FILTER	
LC4	QQR1093-010Z	EMI FILTER	
LC202	QQR1093-007Z	EMI FILTER	
LC203	QQR1093-007Z	EMI FILTER	
LC401	QQR1093-007Z	EMI FILTER	
LC402	QQR1093-007Z	EMI FILTER	
LC432	QQR1093-005Z	EMI FILTER	
LC434	QQR1093-005Z	EMI FILTER	
LC481	QQR1093-007Z	EMI FILTER	
LC482	QQR1093-007Z	EMI FILTER	
LC505	QQR1093-007Z	EMI FILTER	
LC506	QQR1093-007Z	EMI FILTER	
LC507	QQR1093-007Z	EMI FILTER	
LC508	QQR1093-007Z	EMI FILTER	
LC510	QQR1093-007Z	EMI FILTER	
LC512	QQR1093-007Z	EMI FILTER	
LC513	QQR1093-007Z	EMI FILTER	
LC514	QQR1093-007Z	EMI FILTER	
LC515	QQR1093-005Z	EMI FILTER	
LC516	QQR1093-005Z	EMI FILTER	
LC517	QQR1093-007Z	EMI FILTER	
LC518	QQR1093-007Z	EMI FILTER	
LC519	QQR1093-007Z	EMI FILTER	
LC521	QQR1093-007Z	EMI FILTER	
LC522	QQR1093-007Z	EMI FILTER	
LC524	QQR1093-007Z	EMI FILTER	
LC525	QQR1093-007Z	EMI FILTER	
LC526	QQR1093-007Z	EMI FILTER	
LC527	QQR1093-007Z	EMI FILTER	
LC528	QQR1093-007Z	EMI FILTER	
LC601	QQR1093-007Z	EMI FILTER	
LC602	QQR1093-007Z	EMI FILTER	
LC605	QQR1093-007Z	EMI FILTER	
LC606	QQR1093-007Z	EMI FILTER	
LC607	QQR1093-007Z	EMI FILTER	
LC608	QQR1093-007Z	EMI FILTER	
LC711	QQR1093-007Z	EMI FILTER	
LC712	QQR1093-007Z	EMI FILTER	
LC714	QQR1093-007Z	EMI FILTER	
LC715	QQR1093-007Z	EMI FILTER	
LC716	QQR1093-007Z	EMI FILTER	

Symbol No.	Part No.	Part Name	Description
LC717	QQR1093-007Z	EMI FILTER	
LC721	QQR1093-007Z	EMI FILTER	
LC722	QQR1093-007Z	EMI FILTER	
LC724	QQR1093-007Z	EMI FILTER	
LC725	QQR1093-007Z	EMI FILTER	
LC726	QQR1093-007Z	EMI FILTER	
LC727	QQR1093-007Z	EMI FILTER	
LC731	QQR1093-007Z	EMI FILTER	
LC732	QQR1093-007Z	EMI FILTER	
LC734	QQR1093-007Z	EMI FILTER	
LC735	QQR1093-007Z	EMI FILTER	
LC736	QQR1093-007Z	EMI FILTER	
LC737	QQR1093-007Z	EMI FILTER	
LC741	QQR1093-007Z	EMI FILTER	
LC742	QQR1093-007Z	EMI FILTER	
LC744	QQR1093-007Z	EMI FILTER	
LC745	QQR1093-007Z	EMI FILTER	
LC746	QQR1093-007Z	EMI FILTER	
LC747	QQR1093-007Z	EMI FILTER	
LC751	QQR1093-007Z	EMI FILTER	
LC752	QQR1093-007Z	EMI FILTER	
LC754	QQR1093-007Z	EMI FILTER	
LC755	QQR1093-007Z	EMI FILTER	
LC756	QQR1093-007Z	EMI FILTER	
LC757	QQR1093-007Z	EMI FILTER	
LC761	QQR1093-007Z	EMI FILTER	
LC762	QQR1093-007Z	EMI FILTER	
LC764	QQR1093-007Z	EMI FILTER	
LC765	QQR1093-007Z	EMI FILTER	
LC766	QQR1093-007Z	EMI FILTER	
LC767	QQR1093-007Z	EMI FILTER	
LC805	QQR1093-007Z	EMI FILTER	
LC806	QQR1093-007Z	EMI FILTER	
LC807	QQR1093-007Z	EMI FILTER	
LC808	QQR1093-007Z	EMI FILTER	
LC809	QQR1093-007Z	EMI FILTER	
LC810	QQR1093-007Z	EMI FILTER	
LC811	QQR1093-007Z	EMI FILTER	
LC812	QQR1093-007Z	EMI FILTER	
LC813	QQR1093-007Z	EMI FILTER	
LC814	QQR1093-007Z	EMI FILTER	
LC815	QQR1093-007Z	EMI FILTER	
LC816	QQR1093-007Z	EMI FILTER	
LC817	QQR1093-007Z	EMI FILTER	
LC818	QQR1093-007Z	EMI FILTER	
LC819	QQR1093-007Z	EMI FILTER	
LC820	QQR1093-007Z	EMI FILTER	
LC821	QQR1093-007Z	EMI FILTER	
LC822	QQR1093-007Z	EMI FILTER	
LC823	QQR1093-007Z	EMI FILTER	
LC828	QQR1093-007Z	EMI FILTER	
LC921	QQR1093-007Z	EMI FILTER	
LC922	QQR1093-007Z	EMI FILTER	
LC923	QQR1093-007Z	EMI FILTER	
LC924	QQR1093-007Z	EMI FILTER	
X300	QAX0286-001	CER.RESONATOR	
F120	QMF048-5R0-J1	FUSE	
F400	QMR0003-001	FUSE	
F500	QMR0003-001	FUSE	
F900	QMF048-1R0-J1	FUSE	
RY110	QSK0044-004	RELAY	
S300	QSW0341-001	SLIDE SWITCH	
S301	QSW0341-001	SLIDE SWITCH	
CN110	QGA3901C1-06	CONNECTOR	
CN120	QGA2501C2-02Z	CONNECTOR	

Symbol No.	Part No.	Part Name	Description
CN121	QGA2501C2-02Z	CONNECTOR	
CN205	QGA2501C2-06Z	CONNECTOR	
CN400	QGA3901C1-02	CONNECTOR	
CN420	QGA2501C2-03Z	CONNECTOR	
CN421	QGA2501C2-03Z	CONNECTOR	
CN430	QGA2001C1-04	CONNECTOR	
CN460	QGA2501C2-03Z	CONNECTOR	
CN480	QGA3901C1-02	CONNECTOR	
CN500	QGF1003C1-30	CONNECTOR	
CN600	QGA2001C1-10	CONNECTOR	
CN710	QGA2004C1-14S	DF CONNECTOR	
CN720	QGA2004C1-14S	DF CONNECTOR	
CN730	QGA2004C1-14S	DF CONNECTOR	
CN740	QGA2004C1-14S	DF CONNECTOR	
CN750	QGA2004C1-14S	DF CONNECTOR	
CN760	QGA2004C1-14S	DF CONNECTOR	
CN800	QGA2004C1-28S	CONNECTOR	
CN900	QGA2004C1-26S	CAM	
TP1	QNZ0352-001Z	TEST POINT	
TP2	QNZ0352-001Z	TEST POINT	
TP3	QNZ0352-001Z	TEST POINT	
TP4	QNZ0352-001Z	TEST POINT	
TP5	QNZ0352-001Z	TEST POINT	
TP6	QNZ0352-001Z	TEST POINT	
BT300	SSV2413-001	LITHIUM BATTERY	
HS400	SSV3225	HEAT SINK	
TB2	QNZ0660-001Z	TERMINAL	
TB3	QNZ0660-001Z	TERMINAL	
TB4	QNZ0660-001Z	TERMINAL	

5.2 CONNECTOR BOARD ASSEMBLY PARTS LIST 02

02□□□□□□

Symbol No.	Part No.	Part Name	Description
LC1	QQR1093-010Z	EMI FILTER	
LC2	QQR1093-010Z	EMI FILTER	
LC3	QQR1093-010Z	EMI FILTER	
LC4	QQR1093-010Z	EMI FILTER	
LC5	QQR1093-010Z	EMI FILTER	
LC6	QQR1093-010Z	EMI FILTER	
LC7	QQR1093-010Z	EMI FILTER	
LC8	QQR1093-010Z	EMI FILTER	
CN1	SSV2801	CONNECTOR	
CN4	SSV2801	CONNECTOR	
CN7	QGA3901C1-04	CONNECTOR	
CN8	QGA3901C1-04	CONNECTOR	
CN120	QGA2501C2-02Z	CONNECTOR	
CN123	QGA2501C2-02Z	CONNECTOR	
CN124	QGA2501C2-02Z	CONNECTOR	
TB1	QNZ0660-001Z	TERMINAL	
TB2	QNZ0660-001Z	TERMINAL	

5.3 RS232C BOARD ASSEMBLY PARTS LIST 03

03□□□□□□

Symbol No.	Part No.	Part Name	Description
CN231	QGA2501C1-08	CONNECTOR	
CN232	QNZ0478-001	9P CONNECTOR	

5.4 FAN CN BOARD ASSEMBLY PARTS LIST 04

04□□□□□□

Symbol No.	Part No.	Part Name	Description
CN121	QGA2501C2-02Z	CONNECTOR	
CN122	QGA2501C2-02Z	CONNECTOR	
CN123	QGA2501C2-02Z	CONNECTOR	
CN124	QGA2501C2-02Z	CONNECTOR	

5.5 SCSI BOARD ASSEMBLY PARTS LIST 05

05

Symbol No.	Part No.	Part Name	Description	
IC1	HD6413002FP16	IC		
IC3	PLSS1720	EP-ROM	M27C512-10F1	
IC4	MBM29F200BC90PF	I.C.		
IC5	TC551001BFL-70L	IC	TOSHIBA	
IC7	MC74HC04AN	I.C(DIGI-MOS)	MOTOROLA	
IC8	MC74HC125AN	I.C(DIGI-MOS)		
IC9	ICL232CPE	I.C.(MONO-ANA)	INTERSIL	
IC10	ICL232CPE	I.C.(MONO-ANA)	INTERSIL	
IC11	MC74HC04AN	I.C(DIGI-MOS)	MOTOROLA	
IC12	TC74HC20AP	I.C(DIGI-MOS)	TOSHIBA	
IC13	MC74HCU04AN	M I.C.		
IC14	SYM53CF92A	IC		
D2	HZS6C2L-T2	ZENER DIODE	HITACHI	
D3	HZS6C2L-T2	ZENER DIODE	HITACHI	
D4	HZS6C2L-T2	ZENER DIODE	HITACHI	
D6	HZ3B2	ZENER DIODE	HITACHI	
D7	ERA82-004-T1	SI.DIODE		
D8	MA700A-T2	DIODE	MATSUSHITA	
D9	ERA82-004-T1	SI.DIODE		
D10	SB140L-6395	SI DIODE		
R1	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R2	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R3	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R4	QRE141J-0R0Y	CARBON RESISTOR	0	1/4W
R5	QRE141J-0R0Y	CARBON RESISTOR	0	1/4W
R7	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R8	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R9	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R10	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R11	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R12	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R13	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R14	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R15	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R16	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R17	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R18	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R19	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R20	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R21	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R22	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R23	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R25	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R26	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R27	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R28	QRE141J-391Y	CARBON RESISTOR	390	1/4W
R31	QRE141J-105Y	CARBON RESISTOR	1.0M	1/4W
R32	QRE141J-181Y	CARBON RESISTOR	180	1/4W
R33	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R34	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R35	QRE141J-181Y	CARBON RESISTOR	180	1/4W
R41	QRE141J-105Y	CARBON RESISTOR	1.0M	1/4W
R42	QRE141J-224Y	CARBON RESISTOR	220K	1/4W
R45	QRE141J-331Y	CR	330	1/4W
R46	QRE141J-331Y	CR	330	1/4W
R47	QRE141J-331Y	CR	330	1/4W
R48	QRE141J-331Y	CR	330	1/4W
R49	QRE141J-331Y	CR	330	1/4W
R50	QRE141J-331Y	CR	330	1/4W
R51	QRE141J-331Y	CR	330	1/4W
R52	QRE141J-331Y	CR	330	1/4W
R53	QRE141J-331Y	CR	330	1/4W
R54	QRE141J-331Y	CR	330	1/4W
R55	QRE141J-331Y	CR	330	1/4W
R56	QRE141J-331Y	CR	330	1/4W
C1	QETC1EM-476Z	E.CAPACITOR	47	25V
C2	QCZ0206-104Z	CER.CAPACITOR-S	0.10	
C5	QCZ0206-104Z	CER.CAPACITOR-S	0.10	
C6	QCZ0206-104Z	CER.CAPACITOR-S	0.10	

Symbol No.	Part No.	Part Name	Description	
C7	QCZ0206-104Z	CER.CAPACITOR-S	0.10	
C8	QETC1EM-226Z	AL.E.CAPACITOR	22	25V
C9	QETC1EM-226Z	AL.E.CAPACITOR	22	25V
C10	QETC1EM-226Z	AL.E.CAPACITOR	22	25V
C11	QETC1EM-226Z	AL.E.CAPACITOR	22	25V
C12	QCZ0206-104Z	CER.CAPACITOR-S	0.10	
C13	QETC1EM-226Z	AL.E.CAPACITOR	22	25V
C14	QETC1EM-226Z	AL.E.CAPACITOR	22	25V
C15	QETC1EM-226Z	AL.E.CAPACITOR	22	25V
C16	QETC1EM-226Z	AL.E.CAPACITOR	22	25V
C21	QCZ0206-104Z	CER.CAPACITOR-S	0.10	
C23	QDC31HJ-330Z	CER.CAPACITOR		
C24	QDC31HJ-330Z	CER.CAPACITOR		
C25	QCZ0206-104Z	CER.CAPACITOR-S	0.10	
C26	QCZ0206-104Z	CER.CAPACITOR-S	0.10	
C27	QCZ0206-104Z	CER.CAPACITOR-S	0.10	
C28	QCZ0206-104Z	CER.CAPACITOR-S	0.10	
C29	QCZ0206-104Z	CER.CAPACITOR-S	0.10	
C30	QCZ0206-104Z	CER.CAPACITOR-S	0.10	
C31	QCZ0206-104Z	CER.CAPACITOR-S	0.10	
C35	QCZ0206-104Z	CER.CAPACITOR-S	0.10	
C36	QCZ0206-104Z	CER.CAPACITOR-S	0.10	
C37	QETC1EM-476Z	E.CAPACITOR	47	25V
C38	QCZ0206-104Z	CER.CAPACITOR-S	0.10	
C39	QCZ0206-104Z	CER.CAPACITOR-S	0.10	
C40	QDC31HJ-220Z	C CAP		
C41	QDC31HJ-220Z	C CAP		
C42	QCZ0206-104Z	CER.CAPACITOR-S	0.10	
C45	QCZ0206-104Z	CER.CAPACITOR-S	0.10	
C46	QCB31HK-102Z	C CAP	1000P	50V
C47	QFN31HJ-103Z	MY.CAPACITOR/CV	0.010	50V
C48	QFN31HJ-224Z	M.M.CAPACITOR	0.22	50V
C49	QCB31HK-102Z	C CAP	1000P	50V
C50	QCB31HK-102Z	C CAP	1000P	50V
C51	QCB31HK-102Z	C CAP	1000P	50V
C52	QFN31HJ-103Z	MY.CAPACITOR/CV	0.010	50V
LC1	QQR1093-010Z	EMI FILTER		
LC2	QQR1093-010Z	EMI FILTER		
LC3	QQR1093-010Z	EMI FILTER		
LC4	QQR1093-010Z	EMI FILTER		
LC5	QQR1093-010Z	EMI FILTER		
LC6	QQR1093-010Z	EMI FILTER		
LC7	QQR1093-010Z	EMI FILTER		
LC8	QQR1093-010Z	EMI FILTER		
LC9	QQR1093-010Z	EMI FILTER		
LC10	QQR1093-010Z	EMI FILTER		
LC11	QQR1093-010Z	EMI FILTER		
LC12	QQR1093-010Z	EMI FILTER		
LC13	QQR1093-010Z	EMI FILTER		
LC14	QQR1093-010Z	EMI FILTER		
LC15	QQR1093-010Z	EMI FILTER		
LC16	QQR1093-010Z	EMI FILTER		
LC17	QQR1093-010Z	EMI FILTER		
LC18	QQR1093-010Z	EMI FILTER		
LC19	QQR1093-010Z	EMI FILTER		
LC20	QQR1093-010Z	EMI FILTER		
LC21	QQR1093-010Z	EMI FILTER		
LC22	QQR1093-010Z	EMI FILTER		
LC23	QQR1093-010Z	EMI FILTER		
LC24	QQR1093-010Z	EMI FILTER		
LC25	QQR1093-010Z	EMI FILTER		
LC26	QQR1093-010Z	EMI FILTER		
LC27	QQR1093-010Z	EMI FILTER		
LC28	QQR1093-010Z	EMI FILTER		
LC29	QQR1093-010Z	EMI FILTER		
LC30	QQR1093-010Z	EMI FILTER		
LC31	QQR1093-010Z	EMI FILTER		
LC32	QQR1093-010Z	EMI FILTER		
X1	QAX0093-001	CRYSTAL		
X2	QAX0025-002Z	CRYSTAL		

5.6 DISPLAY BOARD ASSEMBLY PARTS LIST 06

06

Symbol No.	Part No.	Part Name	Description
F2	QMFZ048-1R0-J1	FUSE	
CN1	SC42462-114	CONNECTOR	
CN13	QGA2501C2-04Z	CONNECTOR	
CN205	QGA2501C2-06Z	CONNECTOR	
CN231	QGA2501C1-08	CONNECTOR	
CN240	SC42462-150	CONNECTOR	
TP1	QNZ0352-001Z	TEST POINT	
TP2	QNZ0352-001Z	TEST POINT	
TP3	QNZ0352-001Z	TEST POINT	
TP4	QNZ0352-001Z	TEST POINT	
BT1	SSV2413-002	LITHIUM BATTERY	

Symbol No.	Part No.	Part Name	Description	
IC1	SN74HC245N	I.C(DIGI-MOS)	TEXAS	
IC2	SN74LS125AN/T1	I.C.(DIGI-OTHER		
D1	ERA15-02-T1	DIODE	FIJI ELECTRIC	
D2	ERA15-02-T1	DIODE	FIJI ELECTRIC	
D3	ERA15-02-T1	DIODE	FIJI ELECTRIC	
D4	ERA15-02-T1	DIODE	FIJI ELECTRIC	
D5	ERA15-02-T1	DIODE	FIJI ELECTRIC	
D6	ERA15-02-T1	DIODE	FIJI ELECTRIC	
D7	ERA15-02-T1	DIODE	FIJI ELECTRIC	
D8	ERA15-02-T1	DIODE	FIJI ELECTRIC	
D9	ERA15-02-T1	DIODE	FIJI ELECTRIC	
D10	ERA15-02-T1	DIODE	FIJI ELECTRIC	
D11	ERA15-02-T1	DIODE	FIJI ELECTRIC	
D12	ERA15-02-T1	DIODE	FIJI ELECTRIC	
D13	ERA15-02-T1	DIODE	FIJI ELECTRIC	
D14	ERA15-02-T1	DIODE	FIJI ELECTRIC	
LD1	SLR-56MG3F	L.E.D.		
LD2	QLD0205-001	L.C.D MODULE		
R1	QRE141J-122Y	CARBON RESISTOR	1.2K	1/4W
R2	QRE141J-153Y	CARBON RESISTOR	15K	1/4W
R3	QRE141J-271Y	CARBON RESISTOR	270	1/4W
C1	QCZ0206-104Z	CER.CAPACITOR-S	0.10	
C2	QCZ0206-104Z	CER.CAPACITOR-S	0.10	
C3	QCZ0206-104Z	CER.CAPACITOR-S	0.10	
S1	QSW0894-001	PUSH SWITCH		
S2	QSW0894-001	PUSH SWITCH		
S3	QSW0894-001	PUSH SWITCH		
S4	QSW0894-001	PUSH SWITCH		
S5	QSW0894-001	PUSH SWITCH		
S6	QSW0894-001	PUSH SWITCH		
S7	QSW0894-001	PUSH SWITCH		
S8	QSW0894-001	PUSH SWITCH		
S9	QSW0894-001	PUSH SWITCH		
S10	QSW0894-001	PUSH SWITCH		
S11	QSW0894-001	PUSH SWITCH		
S12	QSW0192-001Z	PUSH SWITCH		
S13	QSW0192-001Z	PUSH SWITCH		
S14	QSW0192-001Z	PUSH SWITCH		
CN2	QGG2501M2-16	POST HAEDER		
CN900	QGA2004F1-26	POST HEADER		

5.7 U/D MOTOR BOARD ASSEMBLY PARTS LIST 07

07

Symbol No.	Part No.	Part Name	Description
R460	QRG01GJ-101	OMR	100 1W
C460	QCZ9123-103	CER.CAPACITOR	0.010
C461	QCZ9123-103	CER.CAPACITOR	0.010
C462	QCZ9123-103	CER.CAPACITOR	0.010
CN460	QGA3901C1-02	CONNECTOR	

5.8 MAIL CN BOARD ASSEMBLY PARTS LIST 08

08

Symbol No.	Part No.	Part Name	Description
CN1	QGA2001C1-10	CONNECTOR	
CN2	QGA2001C1-10	CONNECTOR	

5.9 ROT SENSOR BOARD ASSEMBLY PARTS LIST 09

09

Symbol No.	Part No.	Part Name	Description
IC431	HEDS-9700D50	ROTARY SENSOR	
CN431	QGA2001F1-04	CONNECTOR	

5.10 MG SEN1 BOARD ASSEMBLY PARTS LIST 10

10

Symbol No.	Part No.	Part Name	Description
CN1	SC42462-014	CONNECTOR	
CN462	QGA2501C2-03Z	CONNECTOR	

5.11 MG SEN2 BOARD ASSEMBLY PARTS LIST 11

11

Symbol No.	Part No.	Part Name	Description
CN1	SC42462-014	CONNECTOR	
CN462	QGA2501C2-03Z	CONNECTOR	

5.12 MG SEN3 BOARD ASSEMBLY PARTS LIST 12

12

Symbol No.	Part No.	Part Name	Description
CN1	SC42462-014	CONNECTOR	
CN462	QGA2501C2-03Z	CONNECTOR	

5.13 MG SEN4 BOARD ASSEMBLY PARTS LIST 1 3

1 3

Symbol No.	Part No.	Part Name	Description
CN1	SC42462-014	CONNECTOR	
CN462	QGA2501C2-03Z	CONNECTOR	

5.14 MG SEN5 BOARD ASSEMBLY PARTS LIST 1 4

1 4

Symbol No.	Part No.	Part Name	Description
CN1	SC42462-014	CONNECTOR	
CN462	QGA2501C2-03Z	CONNECTOR	

5.15 MG SEN6 BOARD ASSEMBLY PARTS LIST 1 5

1 5

Symbol No.	Part No.	Part Name	Description
CN1	SC42462-014	CONNECTOR	
CN462	QGA2501C2-03Z	CONNECTOR	

5.16 MG SEN7 BOARD ASSEMBLY PARTS LIST 1 6

1 6

Symbol No.	Part No.	Part Name	Description
CN1	SC42462-014	CONNECTOR	
CN462	QGA2501C2-03Z	CONNECTOR	

5.17 MG SEN8 BOARD ASSEMBLY PARTS LIST 1 7

1 7

Symbol No.	Part No.	Part Name	Description
CN1	SC42462-014	CONNECTOR	
CN462	QGA2501C2-03Z	CONNECTOR	

5.18 MG SEN9 BOARD ASSEMBLY PARTS LIST 1 8

1 8

Symbol No.	Part No.	Part Name	Description
CN1	SC42462-014	CONNECTOR	
CN462	QGA2501C2-03Z	CONNECTOR	

5.19 MG SEN10 BOARD ASSEMBLY PARTS LIST 19

19□□□□□□□

Symbol No.	Part No.	Part Name	Description
CN1	SC42462-014	CONNECTOR	
CN462	QGA2501C2-03Z	CONNECTOR	

5.20 MG SEN11 BOARD ASSEMBLY PARTS LIST 20

20□□□□□□□

Symbol No.	Part No.	Part Name	Description
CN1	SC42462-014	CONNECTOR	
CN462	QGA2501C2-03Z	CONNECTOR	

5.21 MG SEN12 BOARD ASSEMBLY PARTS LIST 21

21□□□□□□□

Symbol No.	Part No.	Part Name	Description
CN1	SC42462-014	CONNECTOR	
CN462	QGA2501C2-03Z	CONNECTOR	

5.22 CARRIER BOARD ASSEMBLY PARTS LIST 22

22□□□□□□□

Symbol No.	Part No.	Part Name	Description	
IC920	ST93C46CB1	I.C.		
Q801	2SC3311A/RS/-T	SI.TRANSISTOR	MATSUSHITA	
D801	HZS5CLL-T2	BARICAP DIODE	HITACHI	
D921	ERA82-004-T1	SI.DIODE		
LD21	SEL6210R-T	L.E.D.		
LD22	SEL6410G-T	L.E.D.		
LD30	SEL6210R-T	L.E.D.		
LD40	SEL6410G-T	L.E.D.		
LD41	SEL6210R-T	L.E.D.		
LD50	SEL6410G-T	L.E.D.		
LD51	SEL6210R-T	L.E.D.		
LD52	SEL6410G-T	L.E.D.		
LD60	SEL6210R-T	L.E.D.		
LD61	SEL6410G-T	L.E.D.		
LD70	SEL6410G-T	L.E.D.		
LD71	SEL6210R-T	L.E.D.		
LD80	SEL6410G-T	L.E.D.		
R211	QRE141J-821Y	CARBON RESISTOR	820	1/4W
R212	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R221	QRE141J-821Y	CARBON RESISTOR	820	1/4W
R222	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R301	QRE141J-821Y	CARBON RESISTOR	820	1/4W
R302	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R401	QRE141J-821Y	CARBON RESISTOR	820	1/4W
R402	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R403	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R411	QRE141J-821Y	CARBON RESISTOR	820	1/4W
R412	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R413	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R501	QRE141J-821Y	CARBON RESISTOR	820	1/4W
R502	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R511	QRE141J-821Y	CARBON RESISTOR	820	1/4W
R512	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R521	QRE141J-821Y	CARBON RESISTOR	820	1/4W
R522	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R601	QRE141J-222Y	CARBON RESISTOR	2.2K	1/4W
R611	QRE141J-222Y	CARBON RESISTOR	2.2K	1/4W
R701	QRE141J-821Y	CARBON RESISTOR	820	1/4W
R702	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R711	QRE141J-821Y	CARBON RESISTOR	820	1/4W
R712	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R801	QRE141J-102Y	CARBON RESISTOR	1.0K	1/4W
R802	QRE141J-221Y	CARBON RESISTOR	220	1/4W
R803	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R804	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R805	QRE141J-102Y	CARBON RESISTOR	1.0K	1/4W
R901	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R911	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R921	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R922	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R923	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R924	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R925	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R926	QRE141J-101Y	CARBON RESISTOR	100	1/4W
R927	QRE141J-101Y	CARBON RESISTOR	100	1/4W
C202	QCFB1HZ-473Y	CER.CAPACITOR-S	0.047	50V
C211	QDYB1CM-103Y	C CAP		
C221	QDYB1CM-103Y	C CAP		
C222	QCFB1HZ-473Y	CER.CAPACITOR-S	0.047	50V
C301	QDYB1CM-103Y	C CAP		
C302	QCFB1HZ-473Y	CER.CAPACITOR-S	0.047	50V
C401	QCBB1HK-102Y	CER.CAPACITOR-S	1000P	50V
C402	QCFB1HZ-473Y	CER.CAPACITOR-S	0.047	50V
C411	QCBB1HK-102Y	CER.CAPACITOR-S	1000P	50V
C501	QDYB1CM-103Y	C CAP		

Symbol No.	Part No.	Part Name	Description	
C502	QCFB1HZ-473Y	CER.CAPACITOR-S	0.047	50V
C511	QDYB1CM-103Y	C CAP		
C521	QDYB1CM-103Y	C CAP		
C601	QDYB1CM-103Y	C CAP		
C611	QDYB1CM-103Y	C CAP		
C701	QDYB1CM-103Y	C CAP		
C702	QCFB1HZ-473Y	CER.CAPACITOR-S	0.047	50V
C711	QDYB1CM-103Y	C CAP		
C712	QCFB1HZ-473Y	CER.CAPACITOR-S	0.047	50V
C801	QCFB1HZ-473Y	CER.CAPACITOR-S	0.047	50V
C802	QCFB1HZ-473Y	CER.CAPACITOR-S	0.047	50V
C901	QCFB1HZ-473Y	CER.CAPACITOR-S	0.047	50V
C902	QCFB1HZ-473Y	CER.CAPACITOR-S	0.047	50V
C903	QER61CM-107Z	E.CAPACITOR	100	16V
C911	QCFB1HZ-473Y	CER.CAPACITOR-S	0.047	50V
C912	QER60JM-107Z	AL.E.CAPACITOR	100	6.3V
C921	QCFB1HZ-473Y	CER.CAPACITOR-S	0.047	50V
CN19	QGF1004F1-30	CONNECTOR		
CN20	QGA2001F1-03	CONNECTOR		
CN22	QGA2001F1-03	CONNECTOR		
CN30	QGA2501F1-03	CONNECTOR		
CN40	QGA2001F1-04	CONNECTOR		
CN50	QGA2001F1-05	CONNECTOR		
CN55	QGA2001C1-08	CONNECTOR		
CN70	QGA2501F1-03	CONNECTOR		
CN71	QGA2501F1-03	CONNECTOR		
CN80	QGA2501F1-02	CONNECTOR		
CN83	QGA2001F1-02	CONNECTOR		
CN90	QGA2501F1-02	CONNECTOR		
CN91	QGA2501F1-02	CONNECTOR		
TP80	QNZ0352-001Z	TEST POINT		
TP91	QNZ0352-001Z	TEST POINT		

5.23 R CATCH BOARD ASSEMBLY PARTS LIST 2 3

2 3

Symbol No.	Part No.	Part Name	Description	
PC21	GP1A53E	I.C(PH.INTER)		
R213	QRE141J-391Y	CARBON RESISTOR	390	1/4W
R214	QRE141J-271Y	CARBON RESISTOR	270	1/4W
CN20	QGA2001F1-03	CONNECTOR		

5.24 L CATCH BOARD ASSEMBLY PARTS LIST 2 4

2 4

Symbol No.	Part No.	Part Name	Description	
PC22	GP1A53E	I.C(PH.INTER)		
R223	QRE141J-391Y	CARBON RESISTOR	390	1/4W
R224	QRE141J-271Y	CARBON RESISTOR	270	1/4W
CN22	QGA2001F1-03	CONNECTOR		

5.25 LOADIG SEN BOARD ASSEMBLY PARTS LIST 2 5

2 5

Symbol No.	Part No.	Part Name	Description	
PC40	GP1A33R	I.C(PH.INTER.)		
R403	QRE141J-101Y	CARBON RESISTOR	100	1/4W
CN40	QGA2001C1-04	CONNECTOR		

5.26 TRAY LOCK BOARD ASSEMBLY PARTS LIST 26

26□□□□□□

Symbol No.	Part No.	Part Name	Description
PC50	GP1A53E	I.C(PH.INTER)	
PC51	GP1A53E	I.C(PH.INTER)	
PC52	GP1A53E	I.C(PH.INTER)	
R503	QRE141J-391Y	CARBON RESISTOR	390 1/4W
R504	QRE141J-271Y	CARBON RESISTOR	270 1/4W
R513	QRE141J-391Y	CARBON RESISTOR	390 1/4W
R514	QRE141J-271Y	CARBON RESISTOR	270 1/4W
R523	QRE141J-391Y	CARBON RESISTOR	390 1/4W
R524	QRE141J-271Y	CARBON RESISTOR	270 1/4W
CN50	QGA2001F1-05	CONNECTOR	

5.27 LANE SEN BOARD ASSEMBLY PARTS LIST 27

27□□□□□□

Symbol No.	Part No.	Part Name	Description
PC30	GP1A53E	I.C(PH.INTER)	
R303	QRE141J-391Y	CARBON RESISTOR	390 1/4W
R304	QRE141J-271Y	CARBON RESISTOR	270 1/4W
CN30	QGA2501F1-03	CONNECTOR	

5.28 L ADD SEN BOARD ASSEMBLY PARTS LIST 28

28□□□□□□

Symbol No.	Part No.	Part Name	Description
PC70	GP1A53E	I.C(PH.INTER)	
R703	QRE141J-391Y	CARBON RESISTOR	390 1/4W
R704	QRE141J-271Y	CARBON RESISTOR	270 1/4W
CN70	QGA2501F1-03	CONNECTOR	

5.29 R ADD SEN BOARD ASSEMBLY PARTS LIST 29

29□□□□□□

Symbol No.	Part No.	Part Name	Description
PC71	GP1A53E	I.C(PH.INTER)	
R713	QRE141J-391Y	CARBON RESISTOR	390 1/4W
R714	QRE141J-271Y	CARBON RESISTOR	270 1/4W
CN71	QGA2501F1-03	CONNECTOR	

5.30 DISC SEN R BOARD ASSEMBLY PARTS LIST 30

30□□□□□□

Symbol No.	Part No.	Part Name	Description
PC80	PT381F	PH TRANSISTOR	
PC80	SC43656-015	LED SPACER	
CN80	QGA2501F1-02	CONNECTOR	

5.31 DISC SEN T BOARD ASSEMBLY PARTS LIST 31

31□□□□□□

Symbol No.	Part No.	Part Name	Description
R805	QRE141J-391Y	CARBON RESISTOR	390 1/4W
CN83	QGA2001F1-02	CONNECTOR	
PD80	GL381	L.E.D.	
PD80	SC43656-015	LED SPACER	

5.32 LVD BOARD ASSEMBLY PARTS LIST 3 2

SK250400A1 3 2 □□□□□□

Symbol No.	Part No.	Part Name	Description	
IC1	LSI53C180192BGA	I.C.		
IC2	DS21T05Z-X	I.C.		
IC3	DS21T05Z-X	I.C.		
IC4	DS21T05Z-X	I.C.		
IC9	SI-3033LSA-X	I.C.		
IC10	TC4S69F-X	I.C.(M)	TOSHIBA	
Q1	MSD1819A/R/-X	SI.TRANSISTOR	MOTOROLA	
Q2	MSD1819A/R/-X	SI.TRANSISTOR	MOTOROLA	
D1	MA738-X	DIODE	MATSUSHITA	
D3	MA738-X	DIODE	MATSUSHITA	
R1	NRSA63J-0R0X	M.G.RESISTOR	0	1/16W
R2	NRSA63J-0R0X	M.G.RESISTOR	0	1/16W
R3	NRSA63J-472X	M.G.RESISTOR	4.7K	1/16W
R4	NRSA63J-0R0X	M.G.RESISTOR	0	1/16W
R6	NRSA63J-103X	M.G.RESISTOR	10K	1/16W
R7	NRSA63J-103X	M.G.RESISTOR	10K	1/16W
R8	NRSA63J-103X	M.G.RESISTOR	10K	1/16W
R9	NRSA63J-0R0X	M.G.RESISTOR	0	1/16W
R10	NRSA63J-0R0X	M.G.RESISTOR	0	1/16W
R11	NRSA63J-103X	M.G.RESISTOR	10K	1/16W
R12	NRSA63J-472X	M.G.RESISTOR	4.7K	1/16W
R13	NRSA63J-274X	M.G.RESISTOR	270K	1/16W
R14	NRSA63J-223X	M.G.RESISTOR	22K	1/16W
R15	NRSA63J-150X	MGR	15	1/16W
R16	NRSA63J-103X	M.G.RESISTOR	10K	1/16W
R17	NRSA63J-103X	M.G.RESISTOR	10K	1/16W
R18	NRSA63J-472X	M.G.RESISTOR	4.7K	1/16W
R21	NRSA63J-0R0X	M.G.RESISTOR	0	1/16W
R22	NRSA63J-472X	M.G.RESISTOR	4.7K	1/16W
R23	NRSA63J-0R0X	M.G.RESISTOR	0	1/16W
R24	NRSA63J-0R0X	M.G.RESISTOR	0	1/16W
R25	NRSA63J-0R0X	M.G.RESISTOR	0	1/16W
R26	NRSA63J-0R0X	M.G.RESISTOR	0	1/16W
R27	NRSA63J-0R0X	M.G.RESISTOR	0	1/16W
R28	NRSA63J-103X	M.G.RESISTOR	10K	1/16W
R29	NRSA63J-0R0X	M.G.RESISTOR	0	1/16W
R30	NRSA63J-0R0X	M.G.RESISTOR	0	1/16W
R31	NRSA63J-0R0X	M.G.RESISTOR	0	1/16W
R32	NRSA63J-0R0X	M.G.RESISTOR	0	1/16W
R33	NRSA63J-0R0X	M.G.RESISTOR	0	1/16W
R36	NRSA63J-0R0X	M.G.RESISTOR	0	1/16W
C1	NCF31EZ-104X	CER.CAPACITOR	0.10	25V
C2	NCF31EZ-104X	CER.CAPACITOR	0.10	25V
C3	NCF31EZ-104X	CER.CAPACITOR	0.10	25V
C5	NEHM1EM-475X	AL E.CAPACITOR	4.7	25V
C6	NCF31EZ-104X	CER.CAPACITOR	0.10	25V
C10	NCF31EZ-104X	CER.CAPACITOR	0.10	25V
C12	NEHM0JM-476X	AL E.CAPACITOR	47	6.3V
C14	NEHM0JM-476X	AL E.CAPACITOR	47	6.3V
C15	NEHM0JM-476X	AL E.CAPACITOR	47	6.3V
C16	NEHM1EM-475X	AL E.CAPACITOR	4.7	25V
C17	NCF31EZ-104X	CER.CAPACITOR	0.10	25V
C18	NCF31EZ-104X	CER.CAPACITOR	0.10	25V
C19	NCF31EZ-104X	CER.CAPACITOR	0.10	25V
C20	NCF31EZ-104X	CER.CAPACITOR	0.10	25V
C21	NEHM1EM-475X	AL E.CAPACITOR	4.7	25V
C22	NCB31HK-103X	C CAP	0.010	50V
C23	NCF31EZ-104X	CER.CAPACITOR	0.10	25V
C24	NCF31EZ-104X	CER.CAPACITOR	0.10	25V
C25	NCF31EZ-104X	CER.CAPACITOR	0.10	25V
C26	NCF31EZ-104X	CER.CAPACITOR	0.10	25V
C27	NCF31EZ-104X	CER.CAPACITOR	0.10	25V
C28	NEHM1EM-475X	AL E.CAPACITOR	4.7	25V
C29	NCF31EZ-104X	CER.CAPACITOR	0.10	25V
C30	NCF31EZ-104X	CER.CAPACITOR	0.10	25V
C31	NCF31EZ-104X	CER.CAPACITOR	0.10	25V
C32	NCF31EZ-104X	CER.CAPACITOR	0.10	25V

Symbol No.	Part No.	Part Name	Description	
C33	NCF31EZ-104X	CER.CAPACITOR	0.10	25V
C34	NCF31EZ-104X	CER.CAPACITOR	0.10	25V
C35	NCF31EZ-104X	CER.CAPACITOR	0.10	25V
C38	NCF31EZ-104X	CER.CAPACITOR	0.10	25V
C40	NEHM0JM-107X	AL E.CAPACITOR	100	6.3V
C41	NEHM1EM-475X	AL E.CAPACITOR	4.7	25V
C44	NCF31EZ-104X	CER.CAPACITOR	0.10	25V
C45	NCF31EZ-104X	CER.CAPACITOR	0.10	25V
C46	NCF31EZ-104X	CER.CAPACITOR	0.10	25V
C47	NEHM0JM-226X	AL E.CAPACITOR	22	6.3V
C48	NCF31EZ-104X	CER.CAPACITOR	0.10	25V
C49	NCF31EZ-104X	CER.CAPACITOR	0.10	25V
C50	NEHM1CM-226X	AL E.CAPACITOR	22	16V
C52	NCF31EZ-104X	CER.CAPACITOR	0.10	25V
C53	NCF31EZ-104X	CER.CAPACITOR	0.10	25V
C54	NCF31EZ-104X	CER.CAPACITOR	0.10	25V
C55	NEHM0JM-476X	AL E.CAPACITOR	47	6.3V
C56	NEHM0JM-476X	AL E.CAPACITOR	47	6.3V
C57	NEHM0JM-476X	AL E.CAPACITOR	47	6.3V
C58	NEHM0JM-476X	AL E.CAPACITOR	47	6.3V
C59	NCF31EZ-104X	CER.CAPACITOR	0.10	25V
X1	NAX0432-001X	CRYSTAL		
F1	NAD0023-002X	POLI SW		
F2	NAD0024-001X	SWITCH		
F3	NAD0024-001X	SWITCH		
S1	NSW0042-002X	DIP SW		
CN1	QGB1234K1-68	B TO B CONNE		
CN3	SSV2800-50	CONNECTOR		
CN5	QGA2501C1-06	CONNECTOR		
CN6	QGA2501C1-06	CONNECTOR		
K1	NQR0200-001X	CHIP FEL		
K3	NQR0200-001X	CHIP FEL		
K5	NQR0200-001X	CHIP FEL		
K7	NQR0200-001X	CHIP FEL		
K8	NQR0200-001X	CHIP FEL		
K9	NQR0200-001X	CHIP FEL		
K12	NQR0200-001X	CHIP FEL		
K13	NQR0200-001X	CHIP FEL		
K14	NQR0200-001X	CHIP FEL		
K15	NQR0200-001X	CHIP FEL		
K16	NQR0200-001X	CHIP FEL		
K17	NQR0200-001X	CHIP FEL		
K18	NQR0200-001X	CHIP FEL		
TP1	NNZ0009-001X	TEST POINT		
TP2	NNZ0009-001X	TEST POINT		
TP3	NNZ0009-001X	TEST POINT		

5.33 MAIL BOARD ASSEMBLY PARTS LIST 3 3

3 3

Symbol No.	Part No.	Part Name	Description	
Q1	2SC3311A/RS/	SI.TRANSISTOR		
Q2	2SC3311A/RS/	SI.TRANSISTOR		
D1	HZS5CLL-T2	BARICAP DIODE	HITACHI	
D2	HZS5CLL-T2	BARICAP DIODE	HITACHI	
LD1	GL381	L.E.D.		
LD1	SC43656-015	LED SPACER		
LD2	GL381	L.E.D.		
LD2	SC43656-015	LED SPACER		
R2	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R3	QRE141J-391Y	CARBON RESISTOR	390	1/4W
R4	QRE141J-391Y	CARBON RESISTOR	390	1/4W
R5	QRE141J-221Y	CARBON RESISTOR	220	1/4W
R6	QRE141J-221Y	CARBON RESISTOR	220	1/4W
R7	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R8	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R9	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R10	QRE141J-103Y	CARBON RESISTOR	10K	1/4W
R11	QRE141J-102Y	CARBON RESISTOR	1.0K	1/4W
R12	QRE141J-102Y	CARBON RESISTOR	1.0K	1/4W
C1	QCFB1HZ-473Y	CER.CAPACITOR-S	0.047	50V
C3	QCFB1HZ-473Y	CER.CAPACITOR-S	0.047	50V
C4	QCFB1HZ-473Y	CER.CAPACITOR-S	0.047	50V
C5	QCFB1HZ-473Y	CER.CAPACITOR-S	0.047	50V
CN1	QGA2001F1-10	CONNECTOR		
CN2	QGA2005F1-03	CONNECTOR		
CN3	QGA2501F1-02	CONNECTOR		
CN4	QGA2501F1-04	CONNECTOR	JVC	
CN6	QGA2501F1-03	CONNECTOR		

5.34 SENSOR BOARD ASSEMBLY PARTS LIST 3 4

3 4

Symbol No.	Part No.	Part Name	Description	
C1	QCFB1HZ-473Y	CER.CAPACITOR-S	0.047	50V
C2	QCFB1HZ-473Y	CER.CAPACITOR-S	0.047	50V
CN41	QGA2501F1-04	CONNECTOR	JVC	
PT1	PT381F	PH TRANSISTOR		
PT1	SC43656-015	LED SPACER		
PT2	PT381F	PH TRANSISTOR		
PT2	SC43656-015	LED SPACER		

5.35 POSI IN BOARD ASSEMBLY PARTS LIST 3 5

3 5

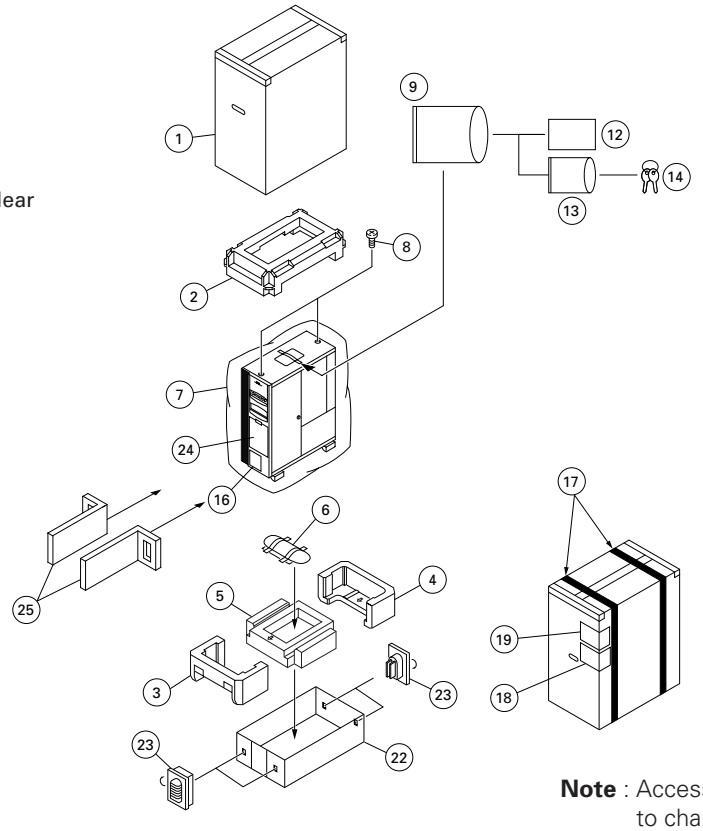
Symbol No.	Part No.	Part Name	Description	
PC61	GP1A53E	I.C(PH.INTER)		
R61	QRE141J-271Y	CARBON RESISTOR	270	1/4W
R62	QRE141J-391Y	CARBON RESISTOR	390	1/4W
CN6	QGA2501F1-03	CONNECTOR		

SECTION 6
PACKING

6.1 MC-8200LU

6.1.1 PACKING DIAGRAM M 8

● Factory setting
①On the CHASSIS board
S300 -----1
S301 -----1
③Software setting
SCSI-ID of main unit --- 0
Error history ---------- Clear



Note : Accessories above are subject to change without notice.

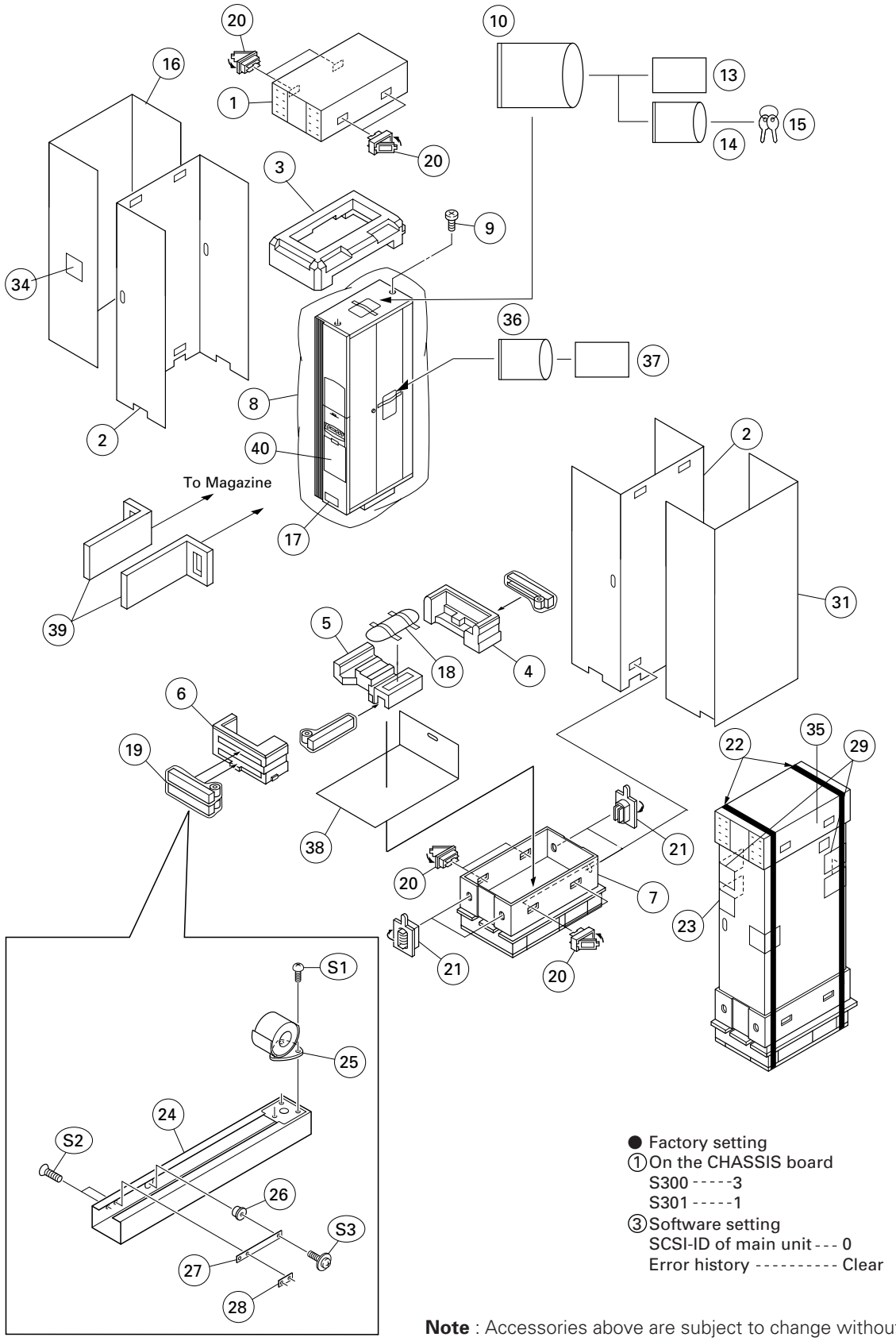
6.1.2 PACKING ASSEMBLY PARTS LIST M 8

M 8 M M

Symbol No.	Part No.	Part Name	Description
1	SS22919-001	PACKING CASE	
2	SS22926-001	CUSHION(T)	
3	SS22927-001	CUSHION(F)	
4	SS22929-001	CUSHION(R)	
5	SS22928-001	CUSHION(C)	
⚠ 6	QMP1C08-250	POWER CORD	
⚠ 6	QMPL018-250-R	POWER CORD	
7	SS35453-003	POLY BAG	
8	SS412031-001	BLIND BOLT	x2
9	QPA02503505	POLY BAG	
10			
11			
⚠ 12	LST0168-001A	INSTRUCTION	
13	QPGA005-00705	POLY BAG	
14	SS47919-00B	KEY ASSEMBLY	
15			
16	SS412715-001	W.LABEL	
17	SSV2250	BAND	
18	SC32090-004	PACKING LABEL	x2
19	SS35480	PACKING LABEL	x2
22	SS23013-001	BOTTOM CASE	
23	SSV3282-001	JOINT	x4
24	LST0096-001A	C. SHEET(ID)	
25	SS35824-00A	PROTECTOR	x4 Corrugated paper/Polyethylene bag (inserted in the magazine)

6.2 MC-8600LU

6.2.1 PACKING DIAGRAM M 9



● Factory setting
① On the CHASSIS board
S300 -----3
S301 -----1
③ Software setting
SCSI-ID of main unit --- 0
Error history ---------- Clear

Note : Accessories above are subject to change without notice.

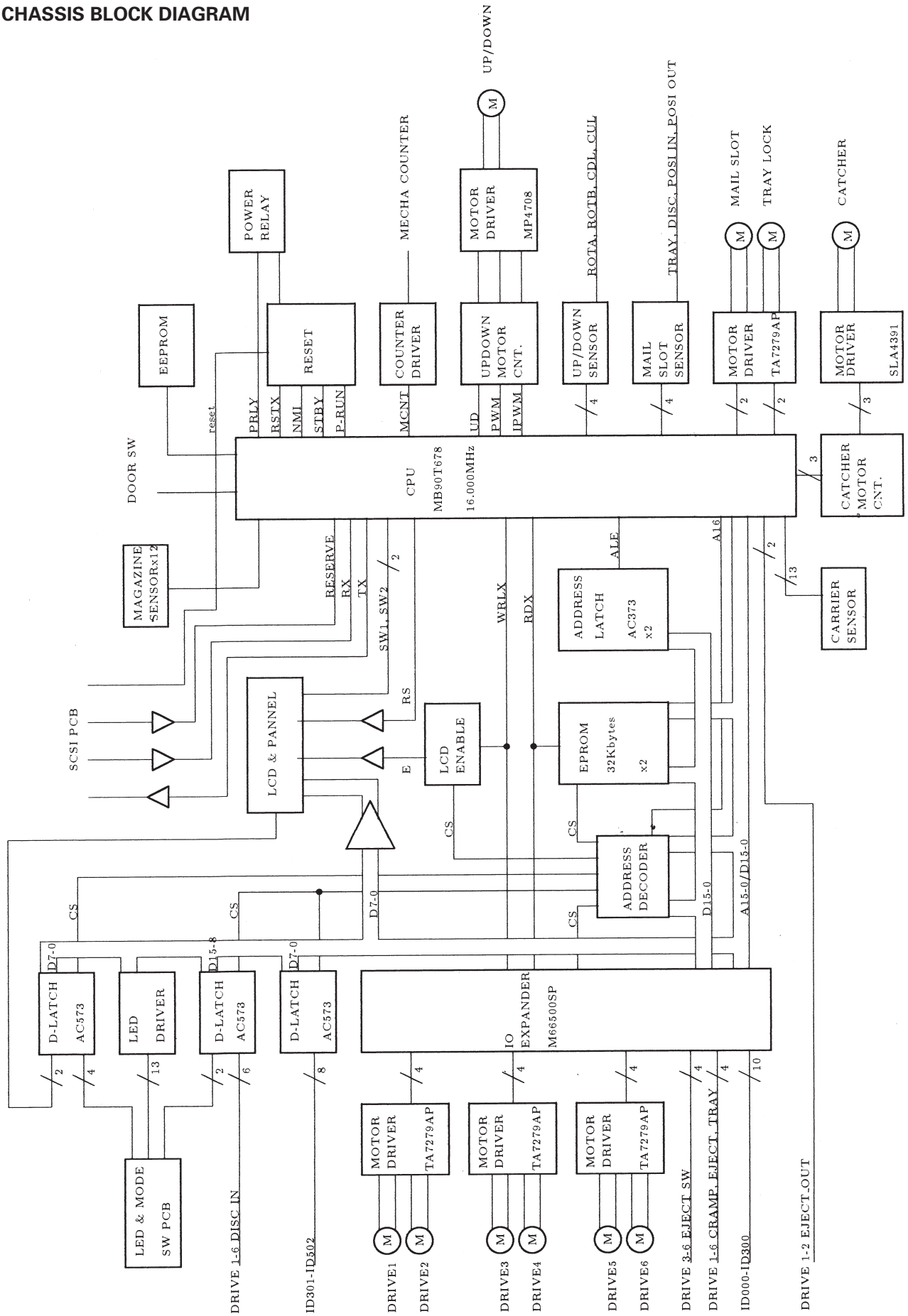
6.1.2 PACKING ASSEMBLY PARTS LIST M 9

M 9 M M □ □ □ □

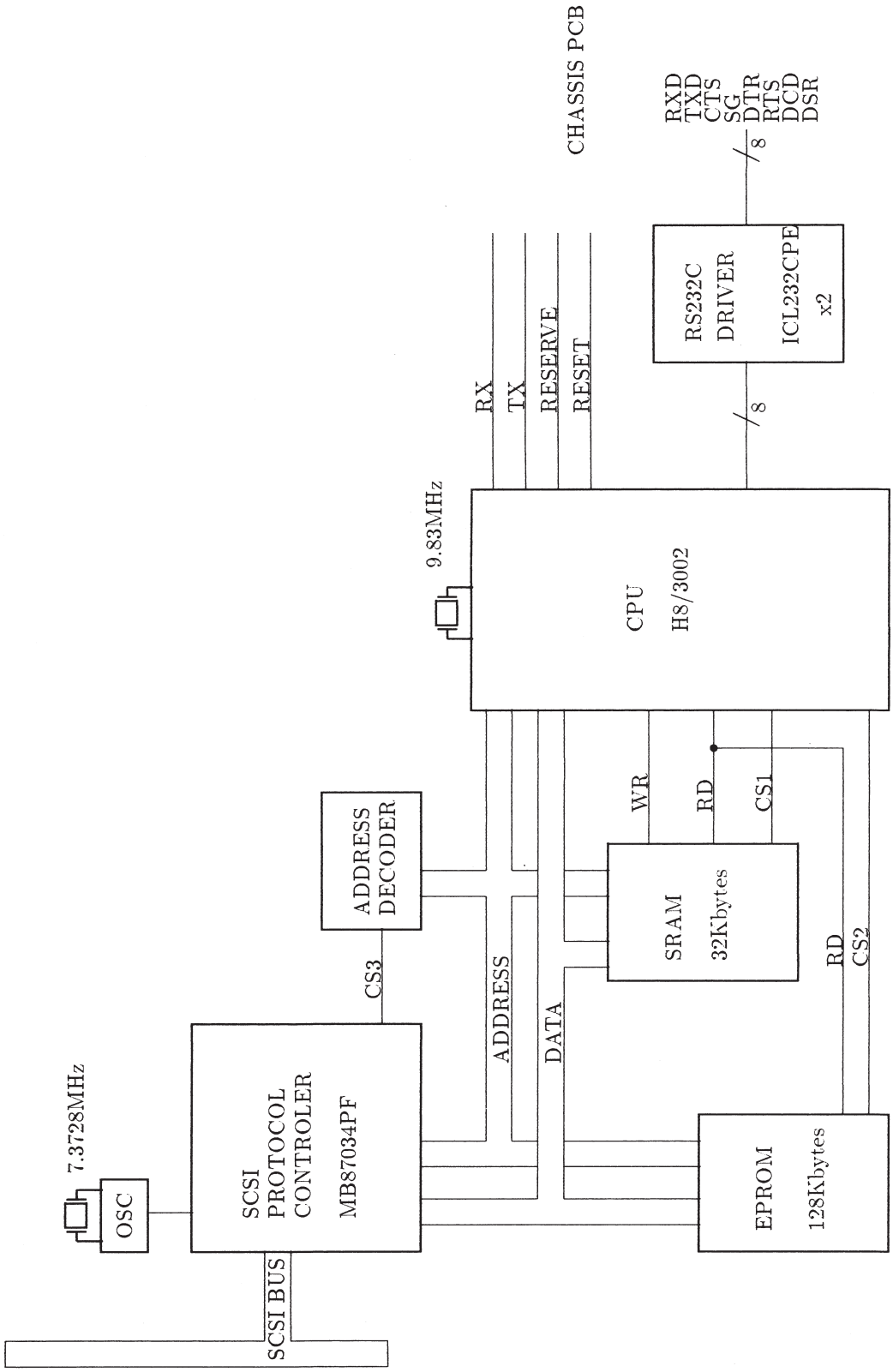
Symbol No.	Part No.	Part Name	Description
1	SS22991-001	PACKING CASE	
2	SS22992-001	PACKING CASE(SIDE)	x2
3	SS23009-001	CUSHION(T)	
4	SS23012-001	CUSHION(R)	
5	SS23011-001	CUSHION(C)	
6	SS23010-001	CUSHION(F)	
7	SS22993-001	BOTTOM CASE	
8	SS35453-004	POLY BAG	
9	SS412031-001	BLIND BOLT	x2
10	QPA02503505	POLY BAG	
11			
12			
⚠ 13	SS961556	INSTRUCTION	
14	QPA00500705	POLY BAG	
15	SS47919-00B	KEY ASSEMBLY	
16	SS22994-00A	OUTER CASE(P)	
17	SS412715-001	W.LABEL	
⚠ 18	QMP1C08-250	POWER CORD	
⚠ 18	QMPL018-250-R	POWER CORD	
19	SS46088-005	POLY BAG	x4
20	SSV3282-002	JOINT	x8
21	SSV3282-001	JOINT	x4
22	SSV2250	BAND	
23	SS35764-001	PACKING LABEL	x2
24	SS35444-00A	CASTER BAR	x4
25	SS34036-004	CASTER	x4
26	SS412028-001	CB-LOCK PIN	x4
27	SS412029-001	SB-SPRING	x4
28	SS412030-001	CBS-BRACKET	x4
29	SS35480	PACKING LABEL	x2
30			
31	SS22994-001	OUTER CASE	
34	SS35897-001	LABEL	x4
36	QPA02503505	POLY BAG	
37	SS961370-001	SHEET	
38	SS35896-001	BOTTOM SHEET	
39	SS35824-00A	PROTECTOR	x12 Corrugated paper/Polyethylene bag (inserted in the magazine)
40	LST0096-001A	C. SHEET(ID)	
S1	QYSPSPD5010Z	SCREW	M5 x 10, x12
S2	QYSSSP2606Z	SCREW	M2.6 x 6, x8
S3	QYSPSPD3006Z	SCREW	M3 x 6, x4

SECTION 3
DIAGRAM AND CIRCUIT BOARDS

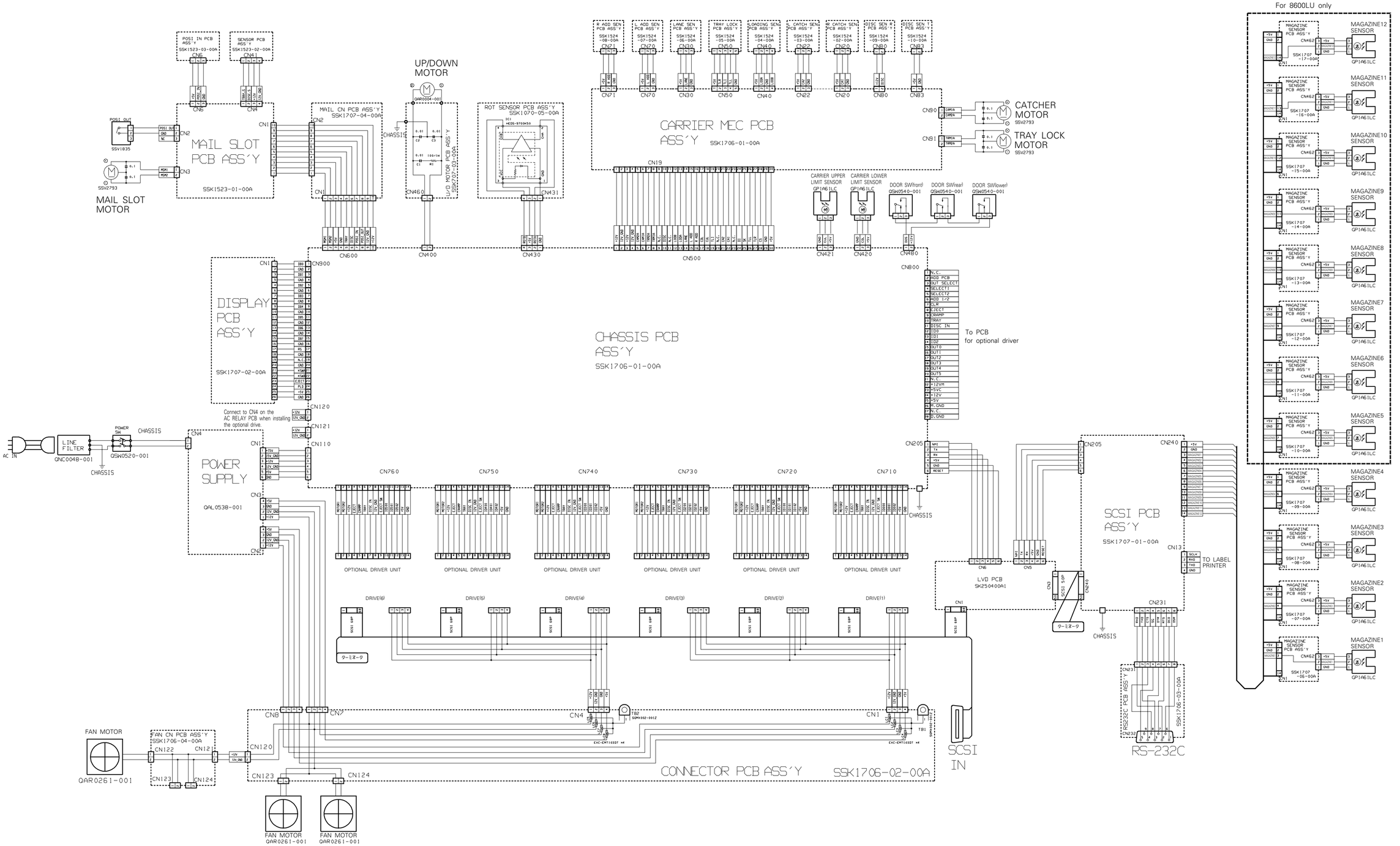
3.1 CHASSIS BLOCK DIAGRAM



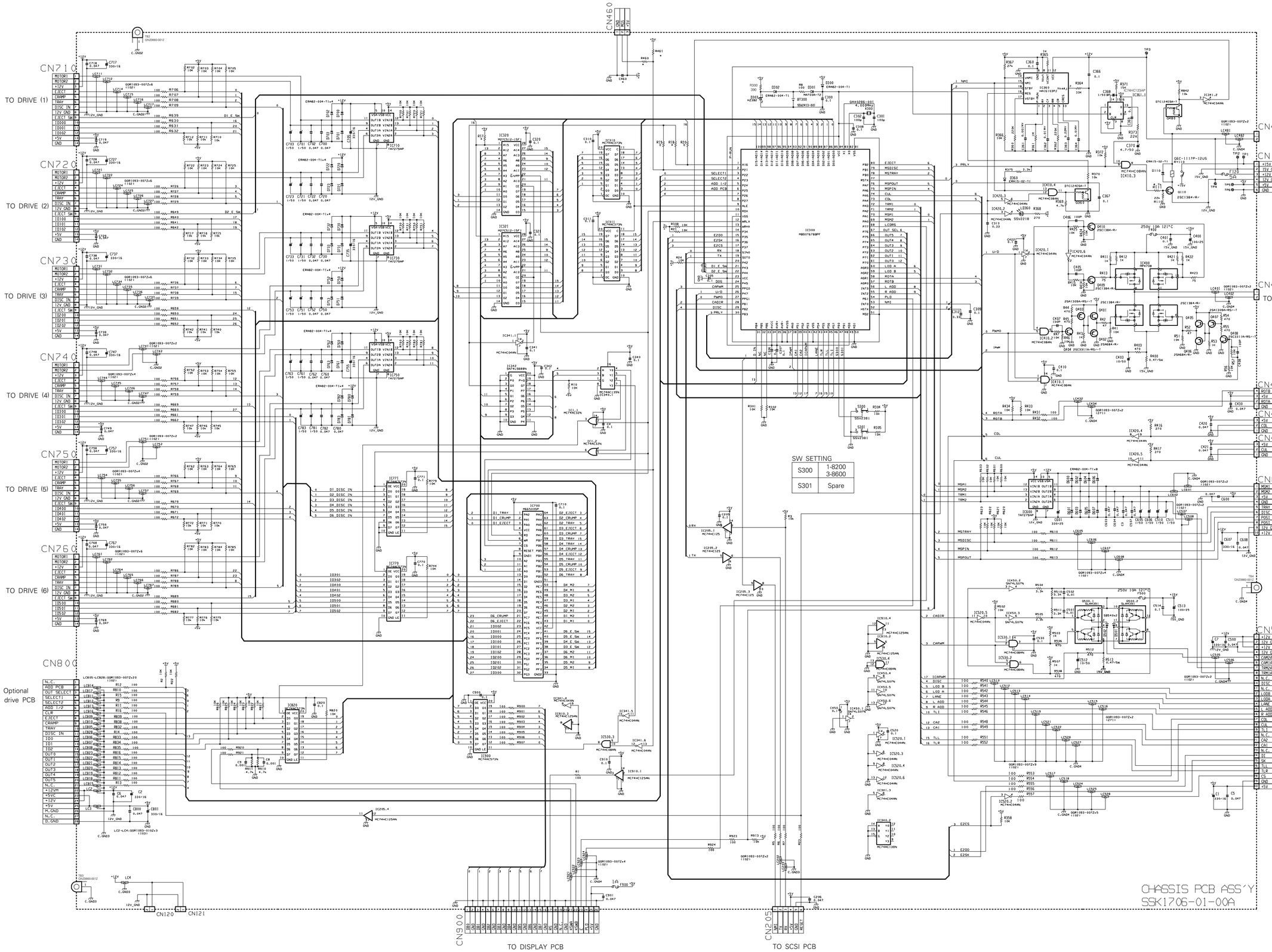
3.2 SCSI BLOCK DIAGRAM



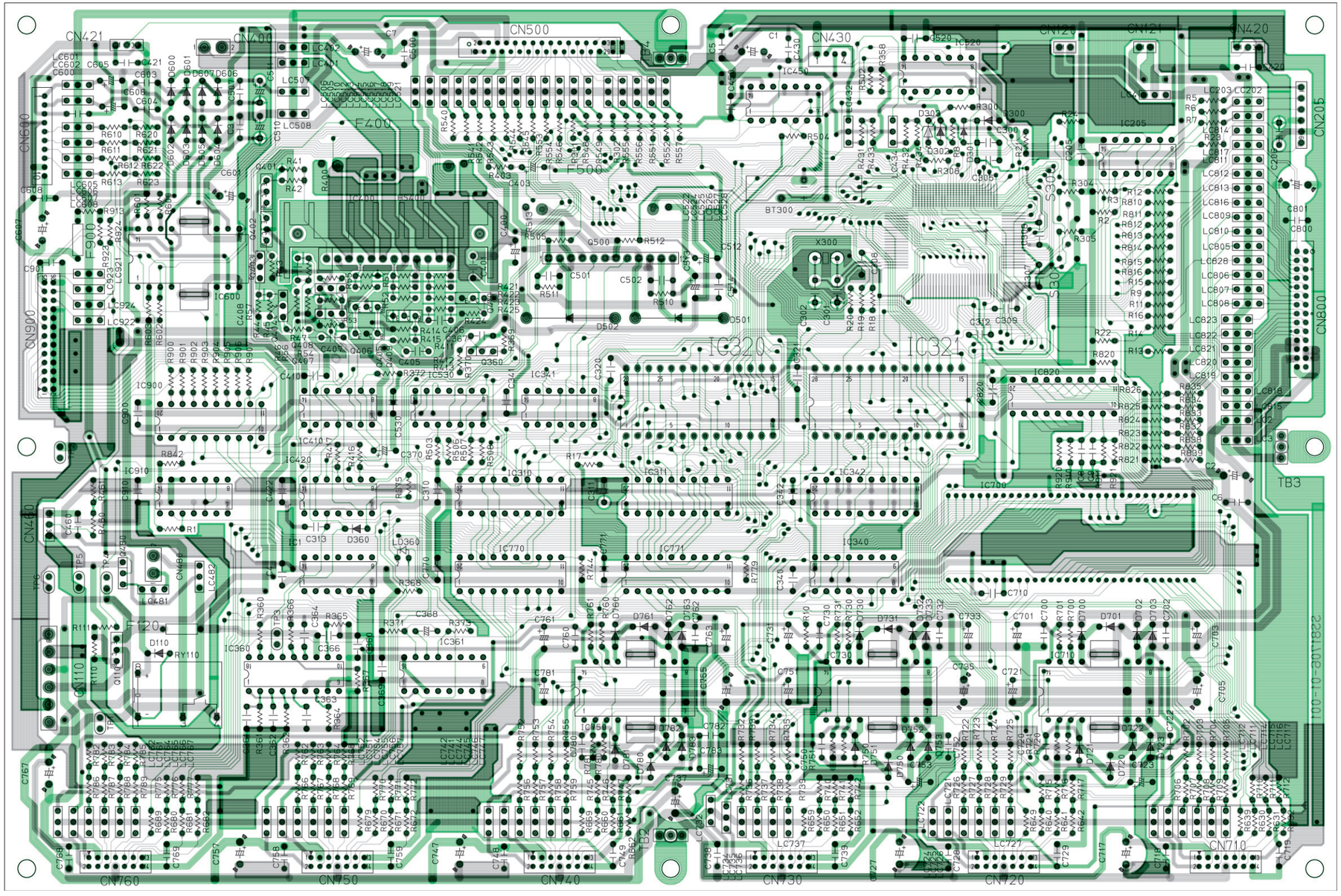
3.3 OVERALL WIRING DIAGRAM



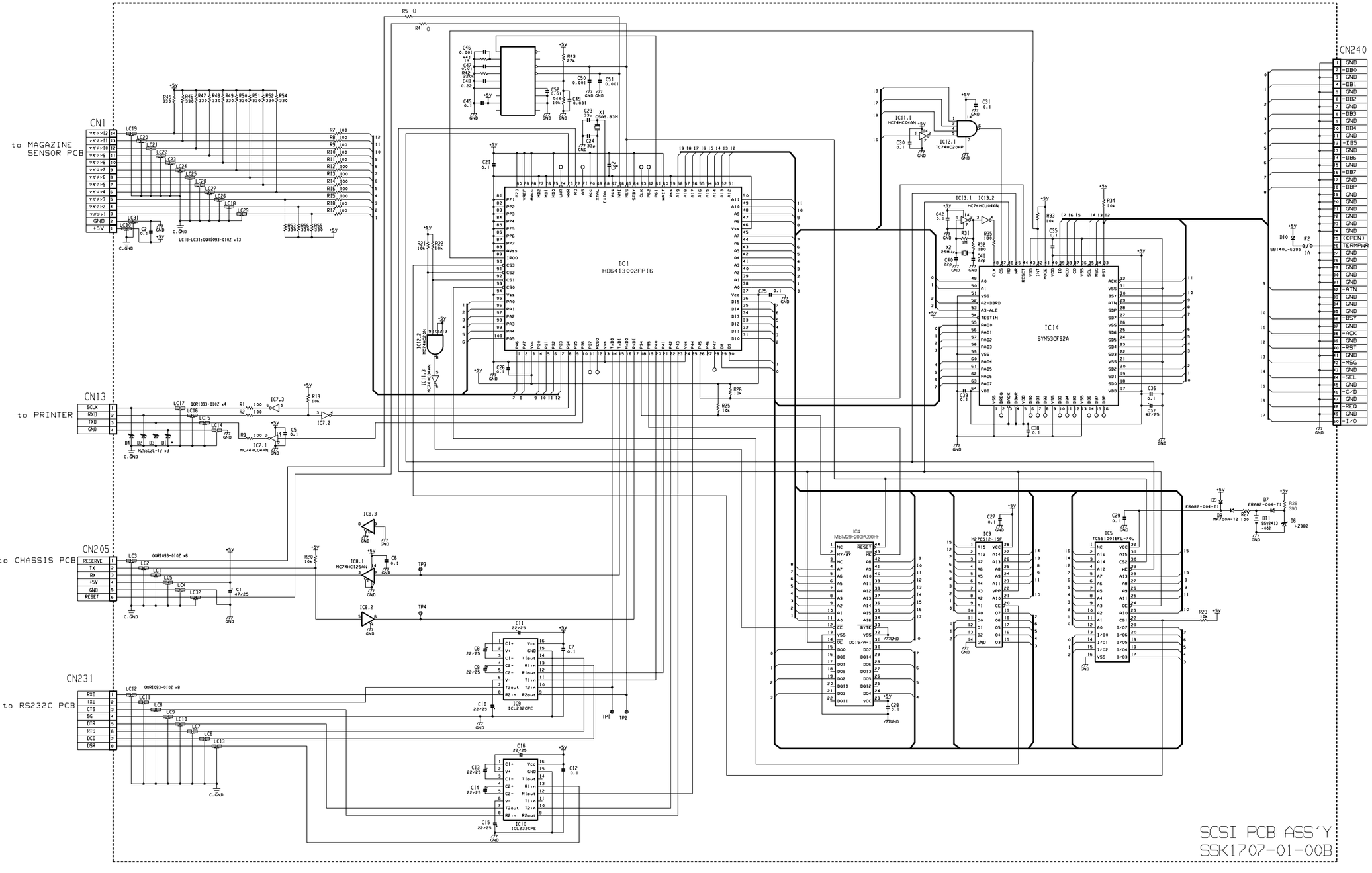
3.4 CHASSIS SCHEMATIC DIAGRAM



3.5 CHASSIS CIRCUIT BOARD

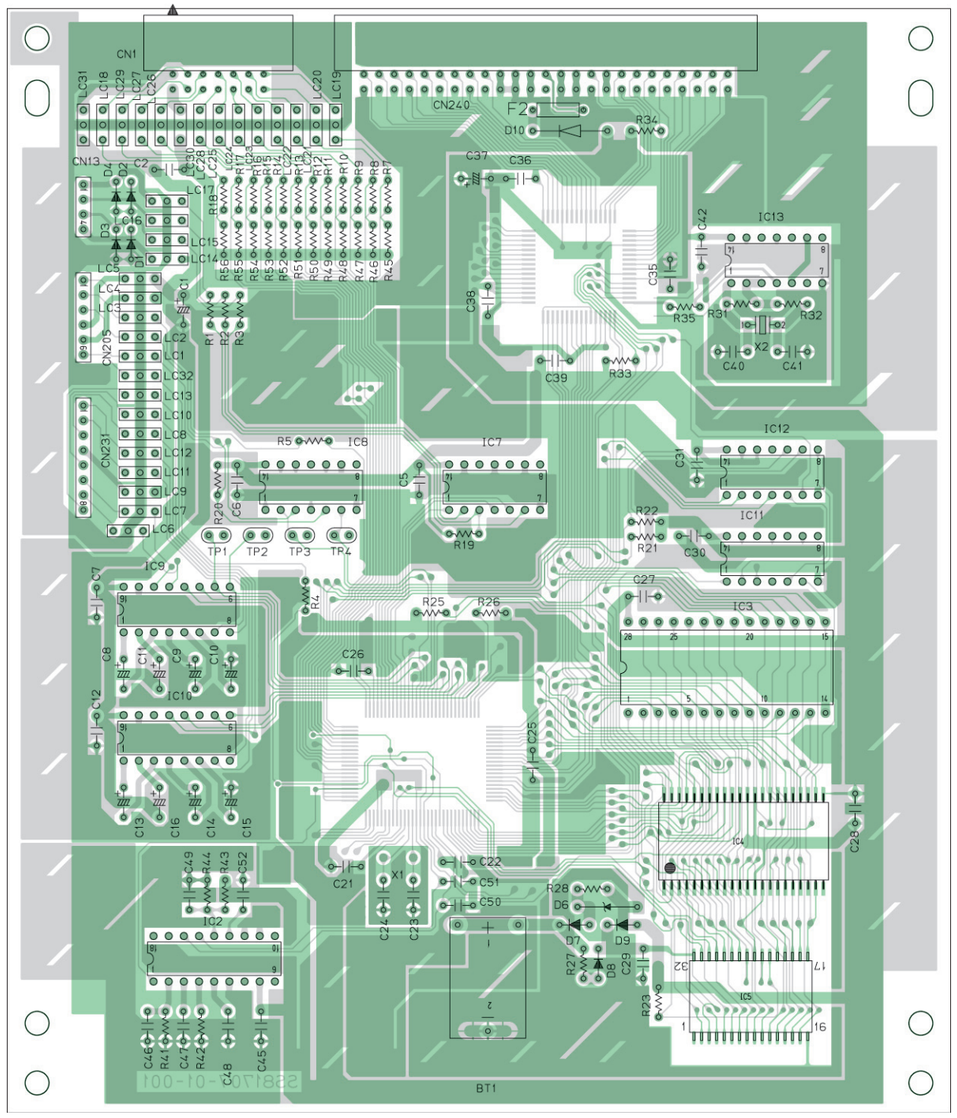


3.6 SCSI SCHEMATIC DIAGRAM



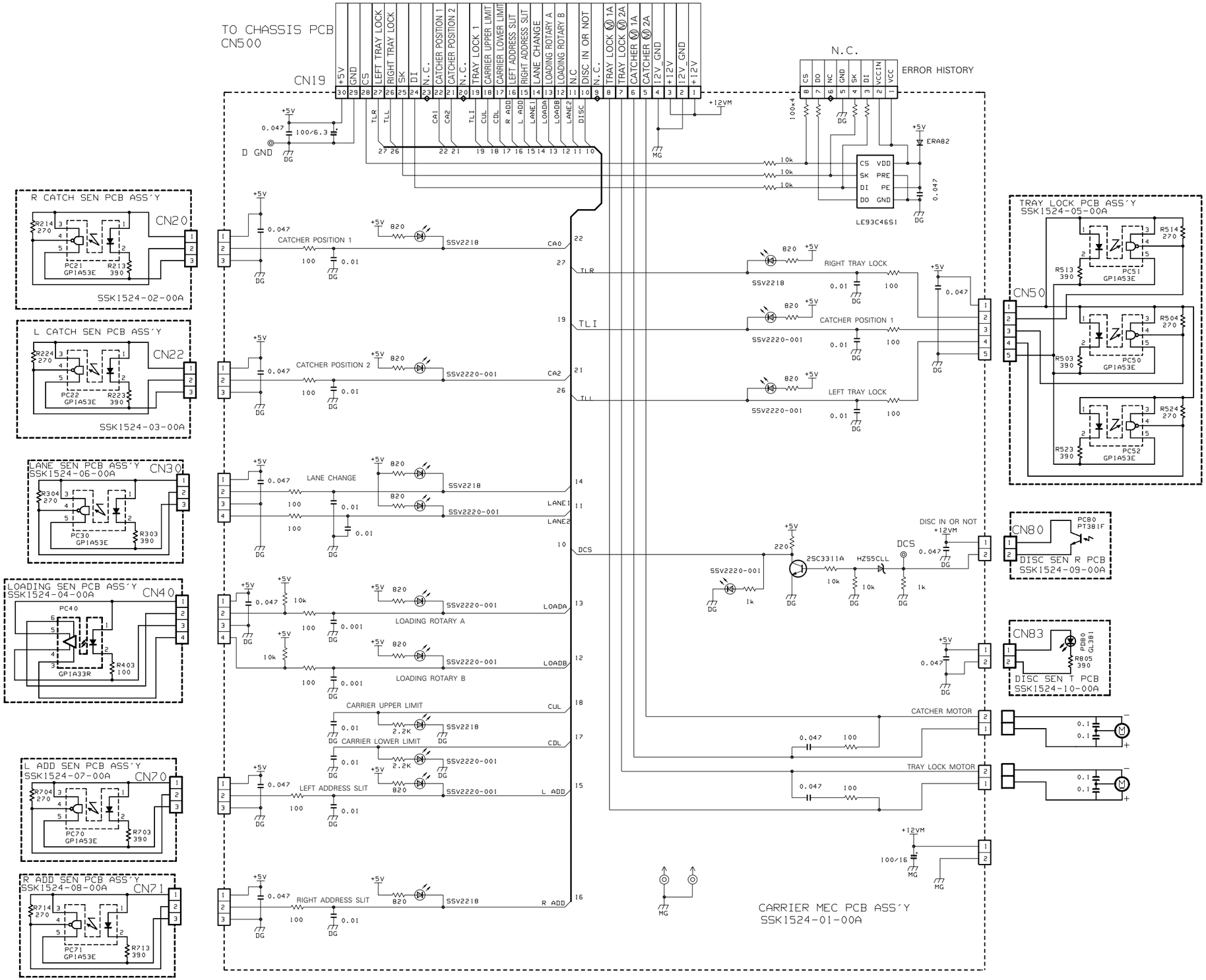
3-6

3.7 SCSI CIRCUIT BOARD



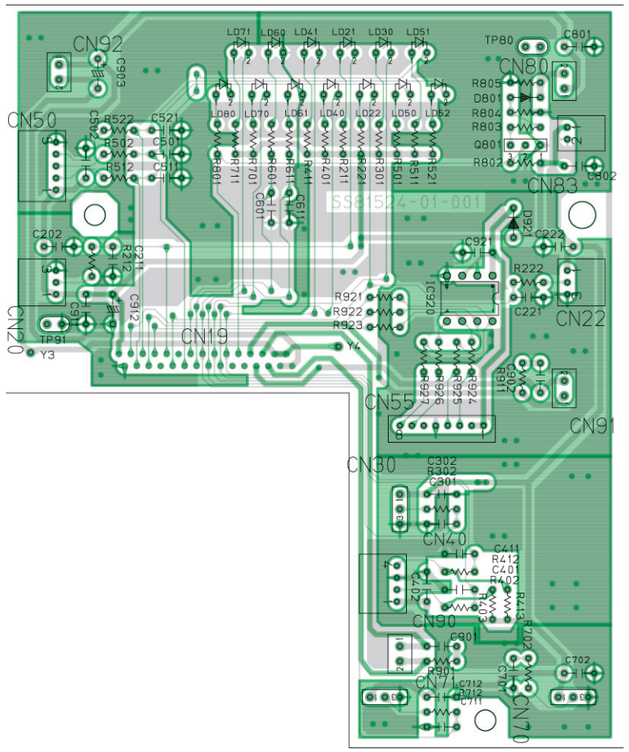
3-7

3.8 CARRIER SCHEMATIC DIAGRAM

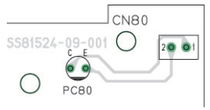


3.9 CARRIER CIRCUIT BOARD

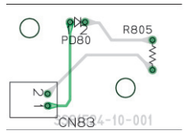
■CARRIER BOARD



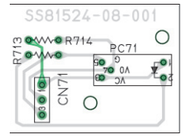
■DISC SEN R BOARD



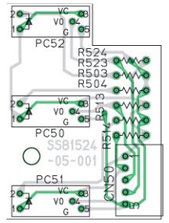
■DISC SEN L BOARD



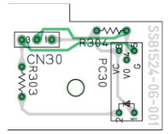
■R ADD BOARD



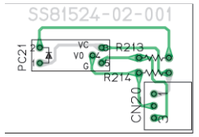
■TRAY LOCK BOARD



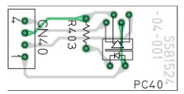
■LANE SEN BOARD



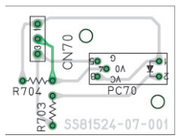
■R CATCH BOARD



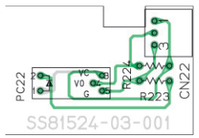
■LOADING SEN BOARD



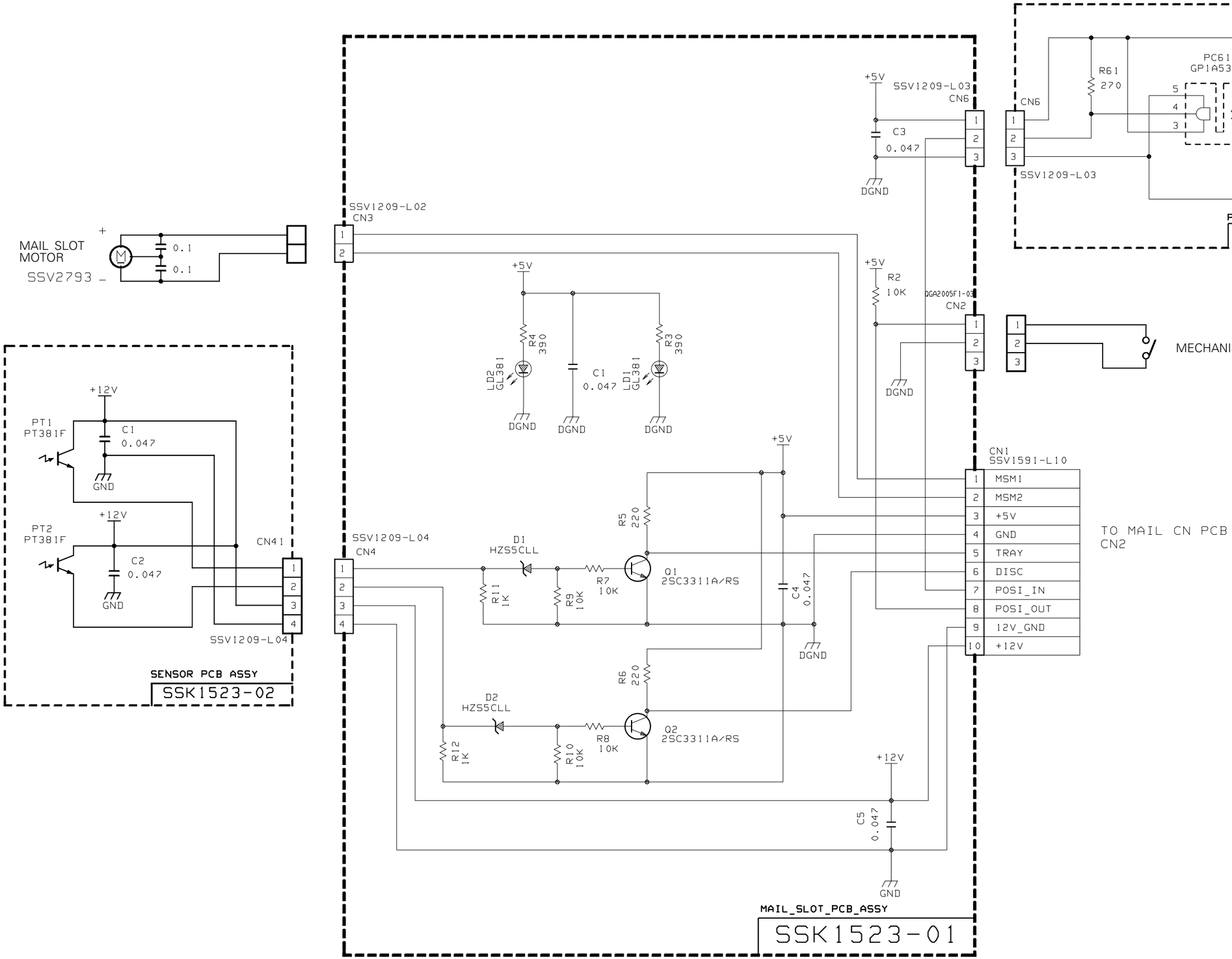
■L ADD BOARD



■L CATCH BOARD

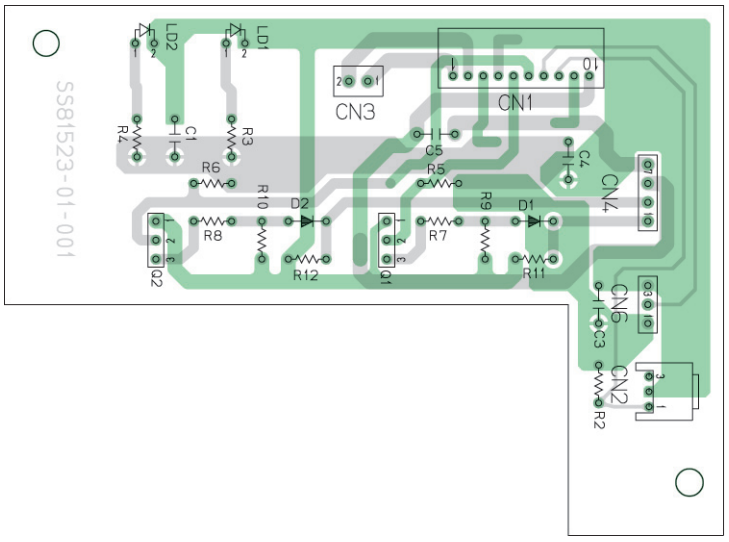


3.10 MAIL SLOT SCHEMATIC DIAGRAM

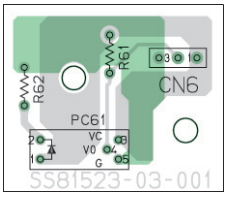


3.11 MAIL SLOT CIRCUIT BOARD

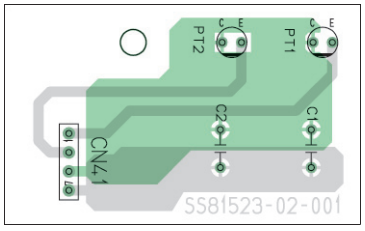
■MAIL SLOT BOARD



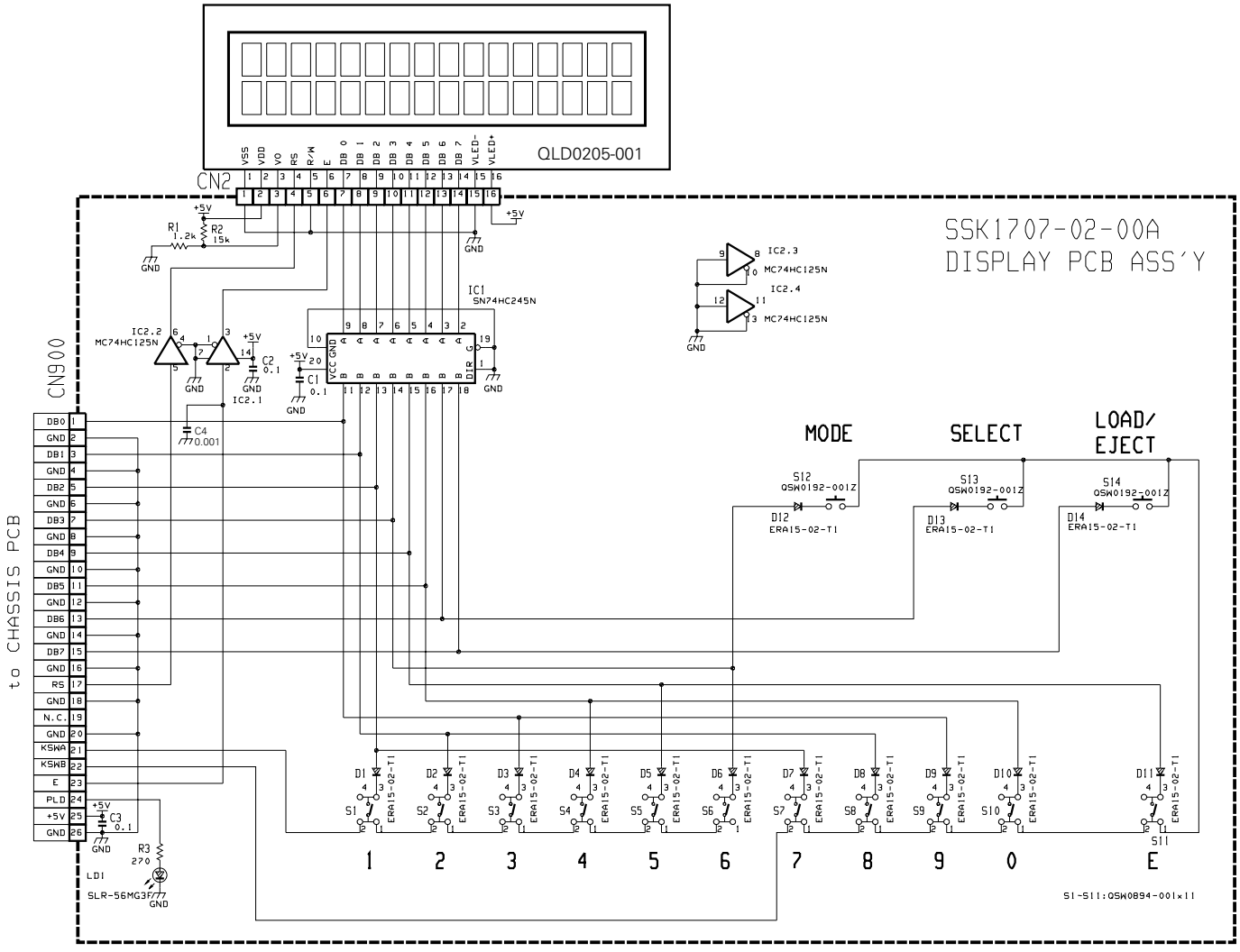
■POSI IN BOARD



■SENSOR BOARD

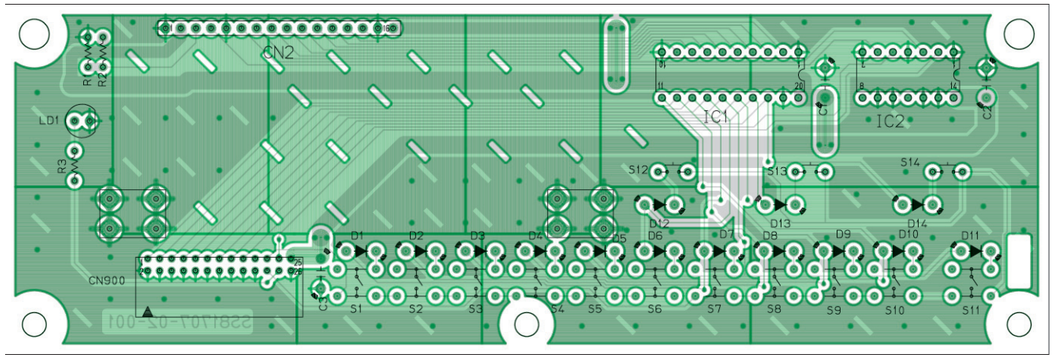


3.12 DISPLAY SCHEMATIC DIAGRAM

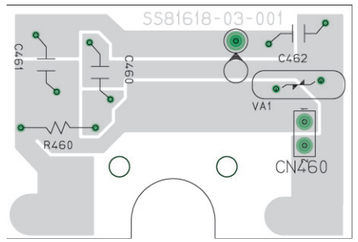


3.13 DISPLAY/ RS232C/ CONNECTOR/ FAN CN/ U/D MOTOR/ MAIL CN/ ROT SENSOR/ MAGAZINE SENSOR CIRCUIT BOARDS

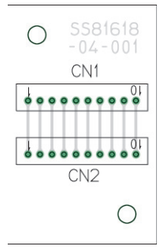
■DISPLAY BOARD



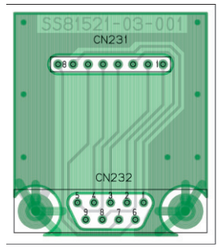
■U/D MOTOR BOARD



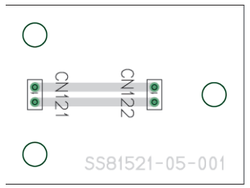
■MAIL CN BOARD



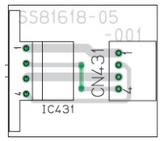
■RS232C BOARD



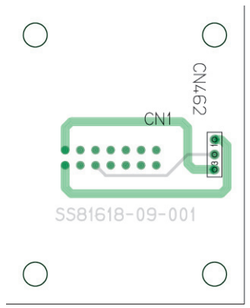
■FAN CN BOARD



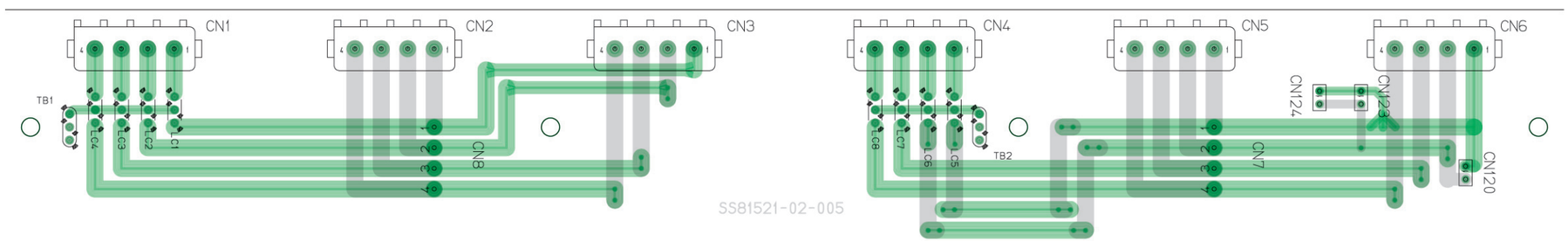
■ROT SENSOR BOARD



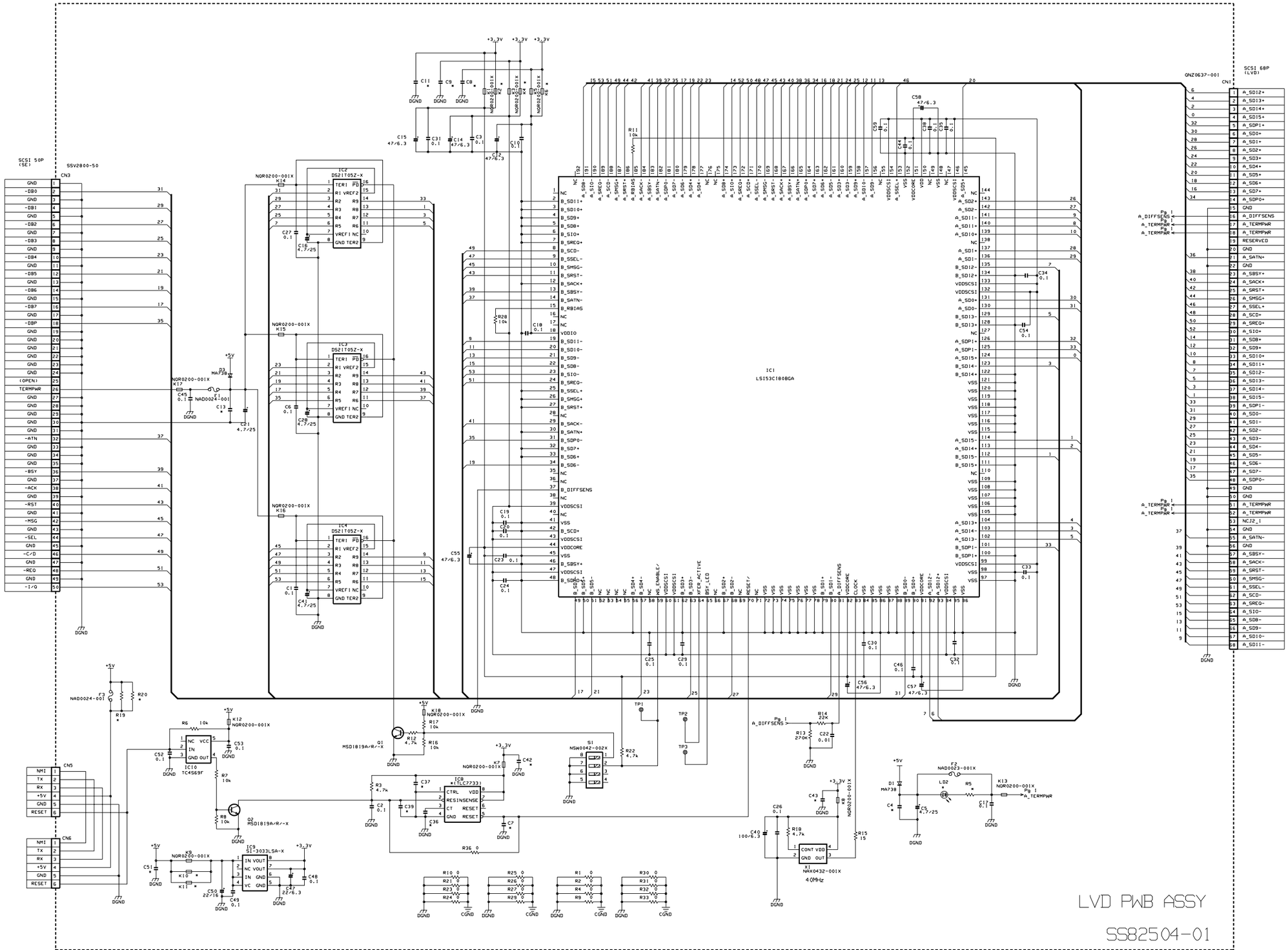
■MAGAZINE SENSOR BOARD



■CONNECTOR BOARD

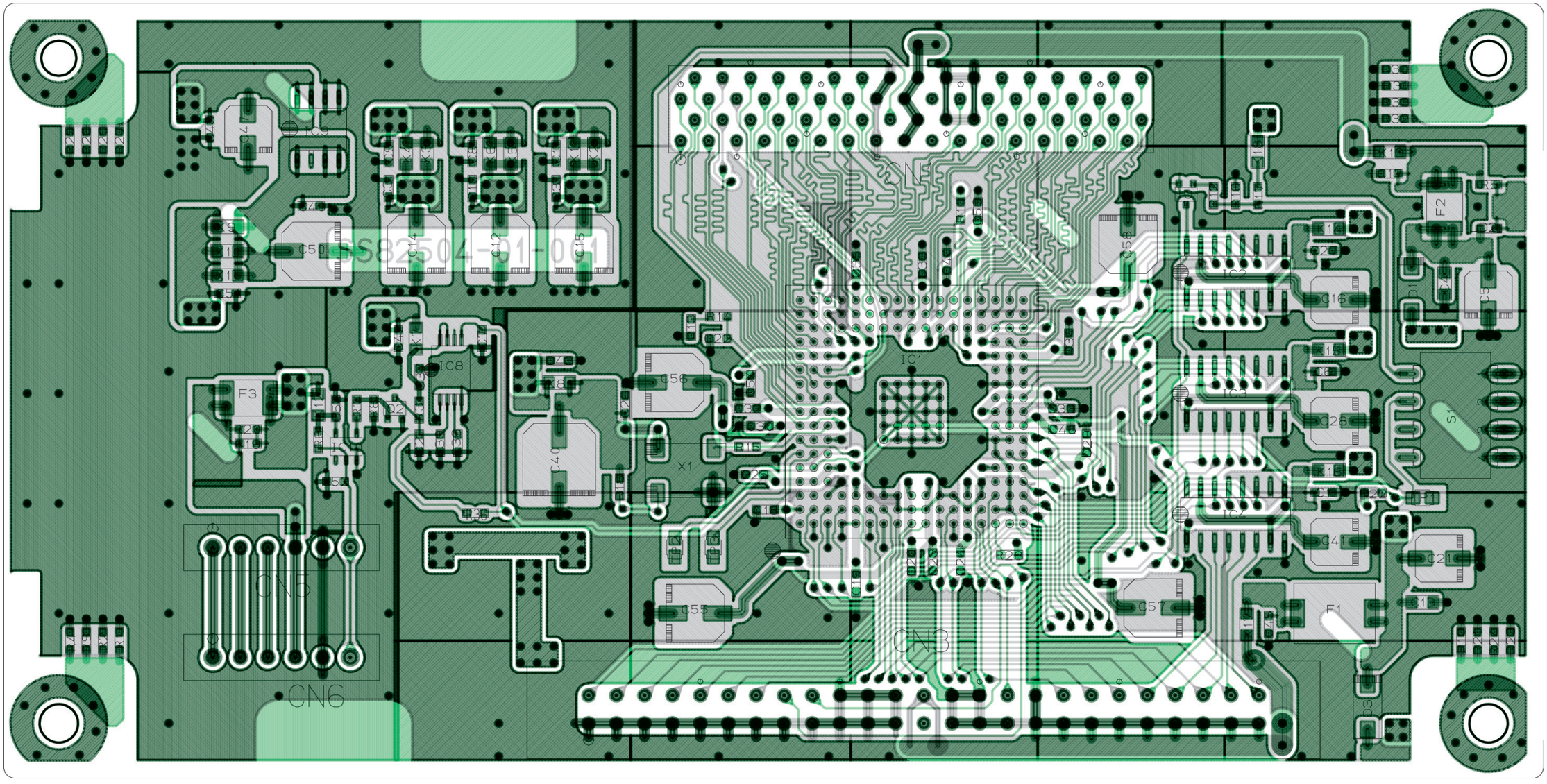


3.14 LVD SCHEMATIC DIAGRAM



3-14

3.15 LVD CIRCUIT BOARD



3-15