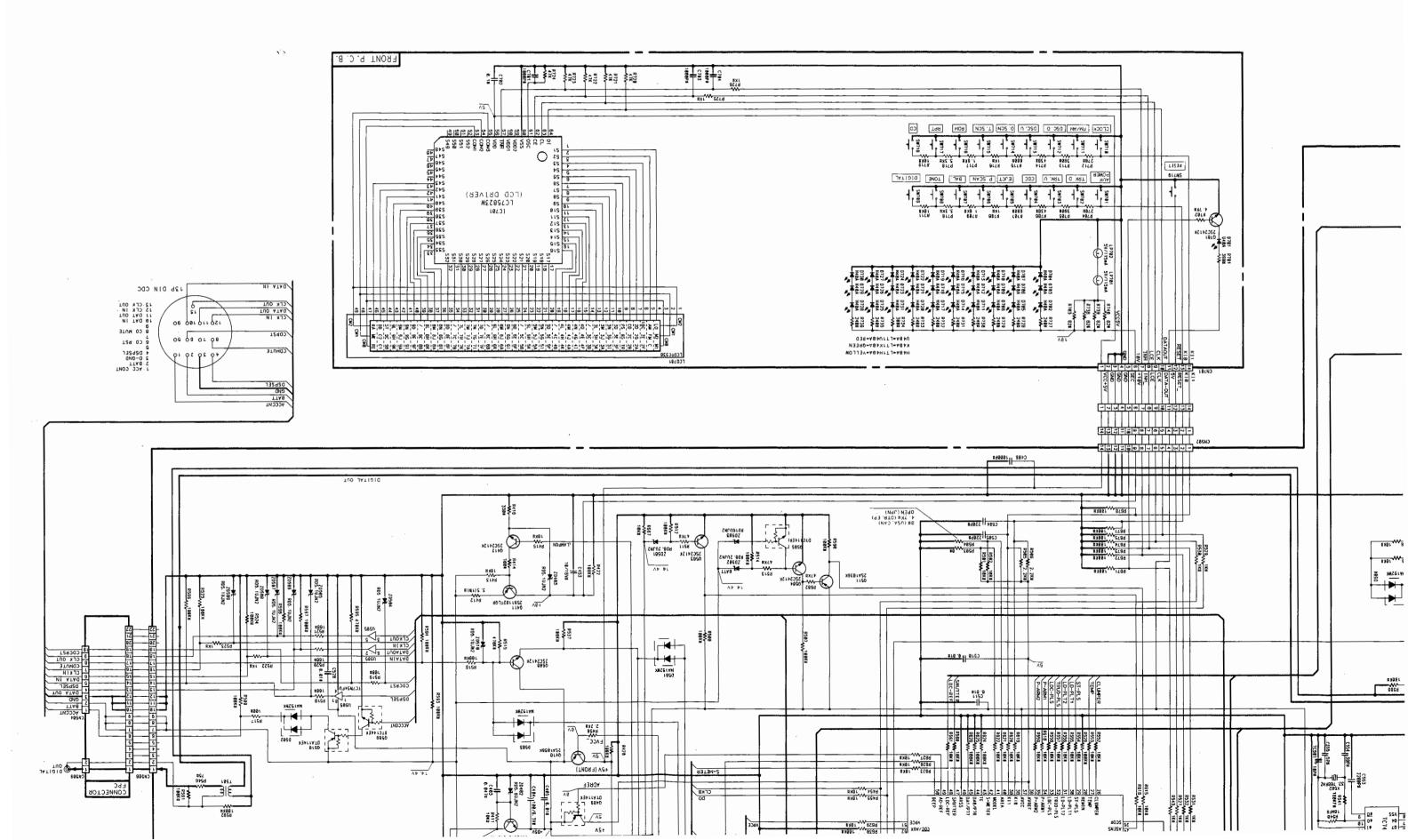
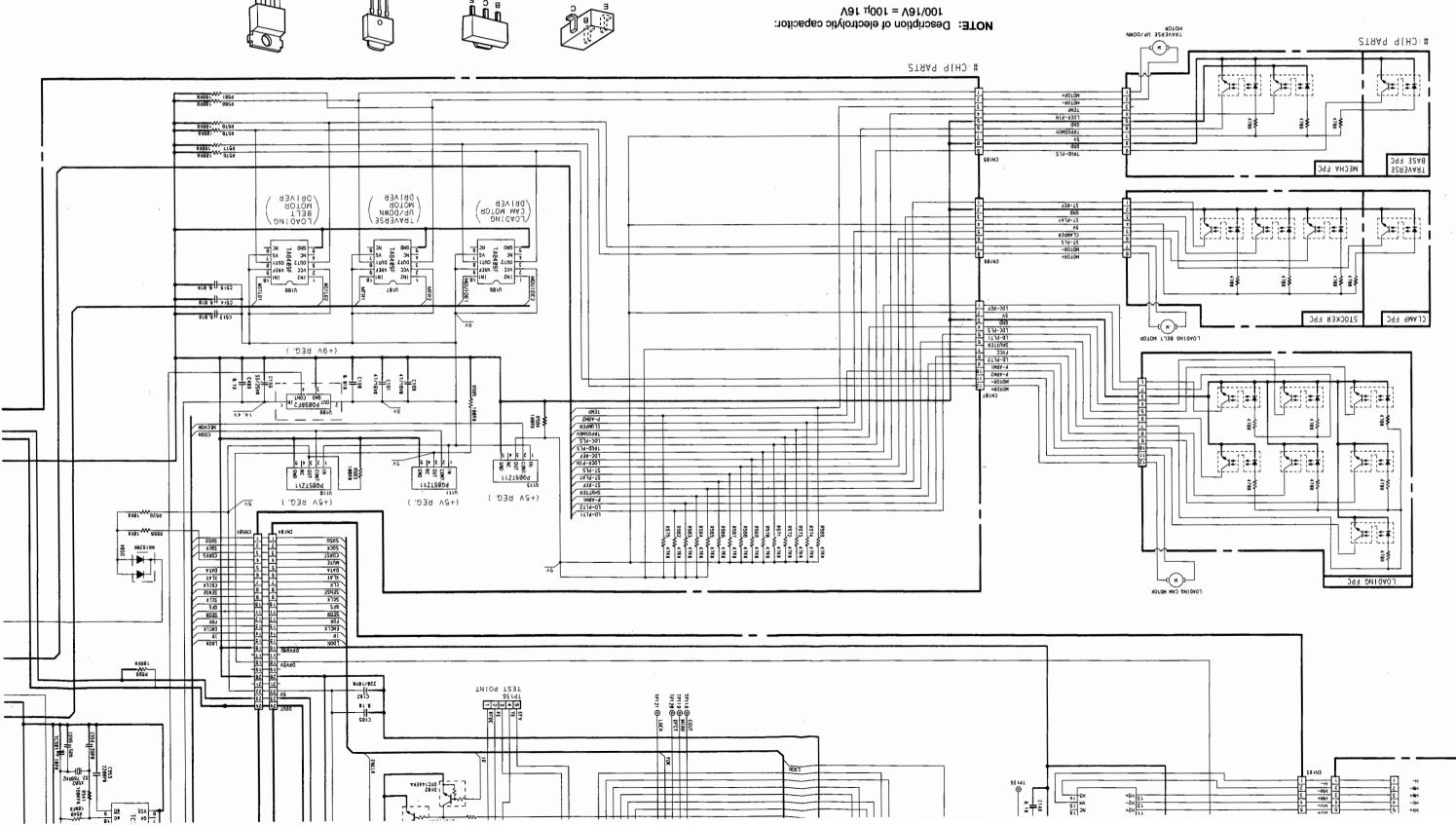


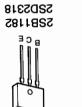
CD-700







AU2087MLN TUO OND (V+) NI



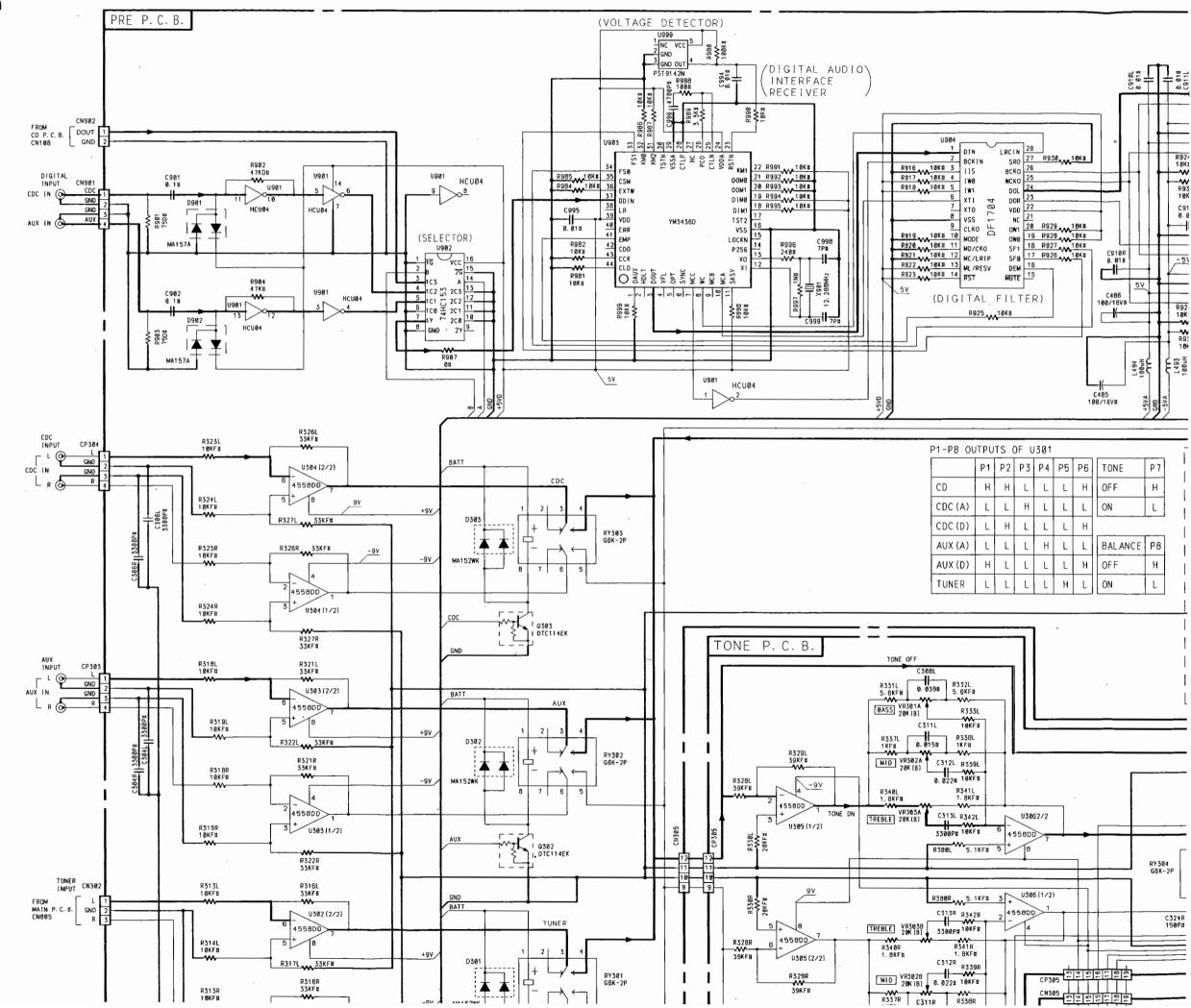


DTA114EK 52C5415 52V1036

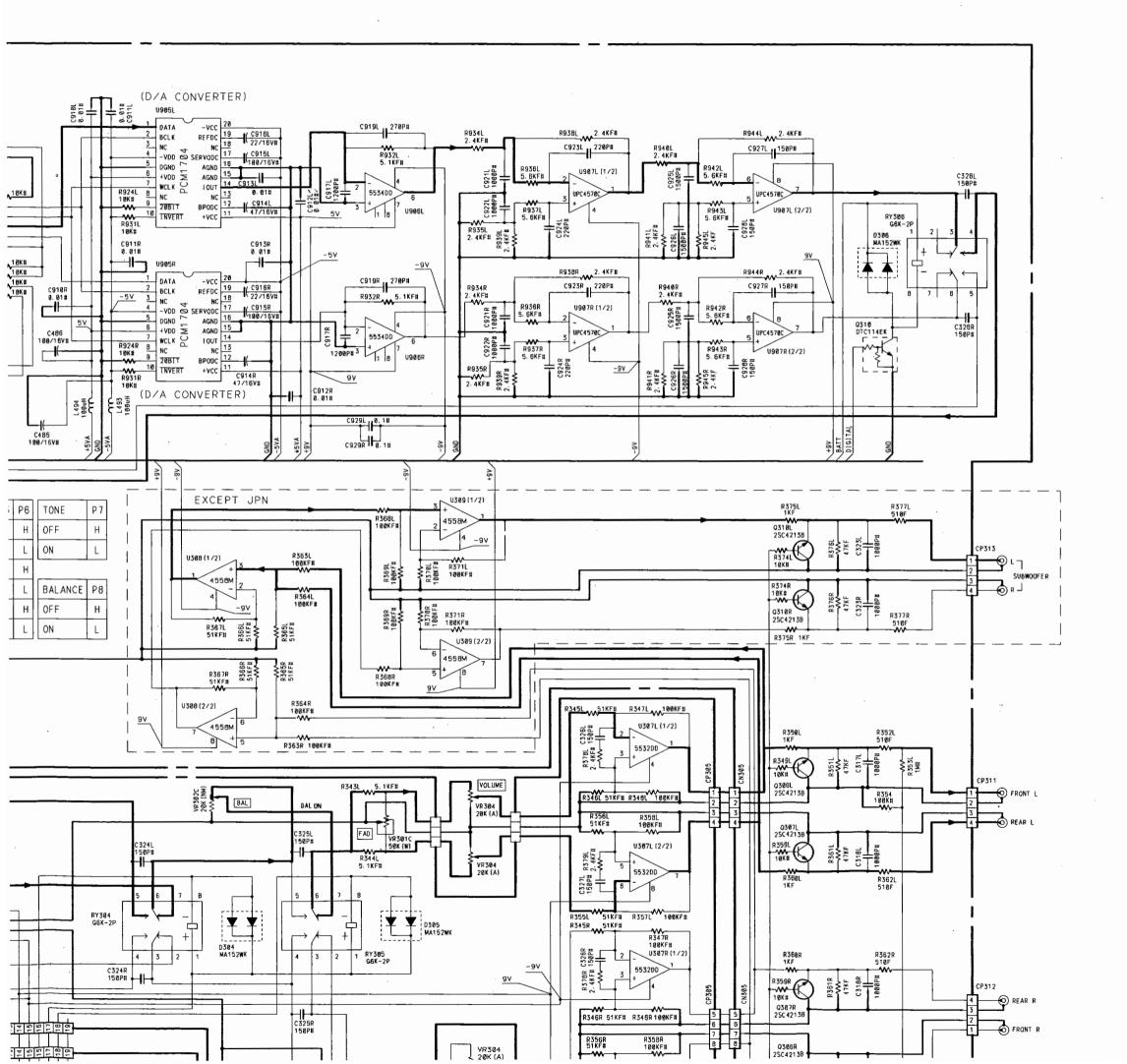
DTC144TK DTC144EK

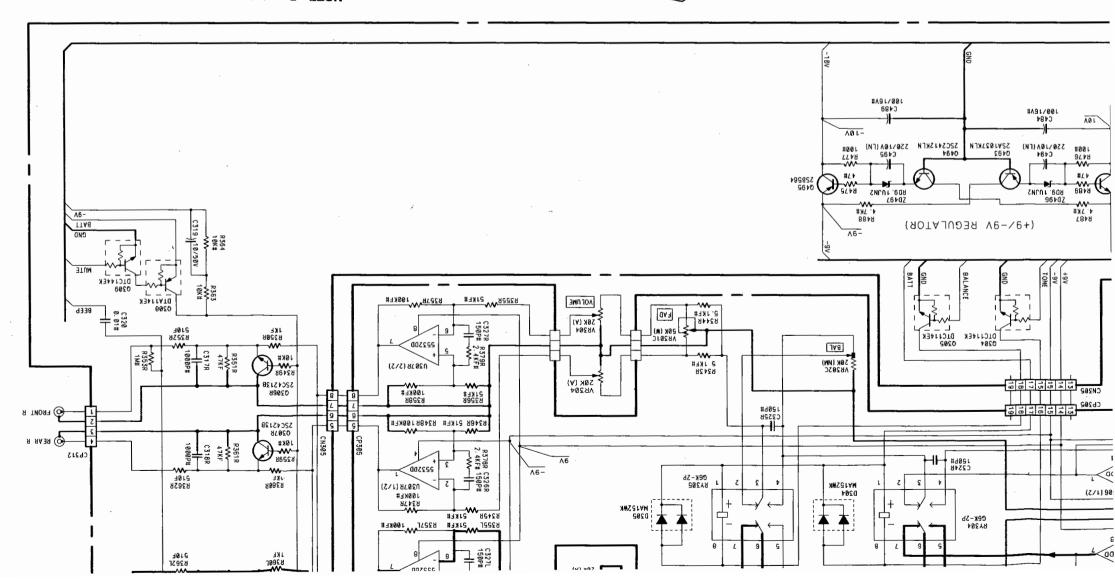
DTC114EK

Preamp. & Tone Control Section



| P1-P8 OUTPUTS OF U301 | | | | | | | | |
|-----------------------|----|----|-----|----|----|----|---------|----|
| | P1 | P2 | P 3 | P4 | Р5 | P6 | TONE | Р7 |
| CD | н | Н | L | L | L | н | OFF | н |
| CDC (A) | L | L | Н | L | L | L | ON | L |
| CDC (D) | L | Н | L | L | L | н | | |
| AUX (A) | L | L | L | Н | L | L | BALANCE | P8 |
| AUX (D) | Н | Ĺ | L | L | L | н | OFF | н |
| TUNER | L | L | L | L | Н | L | ON | L |



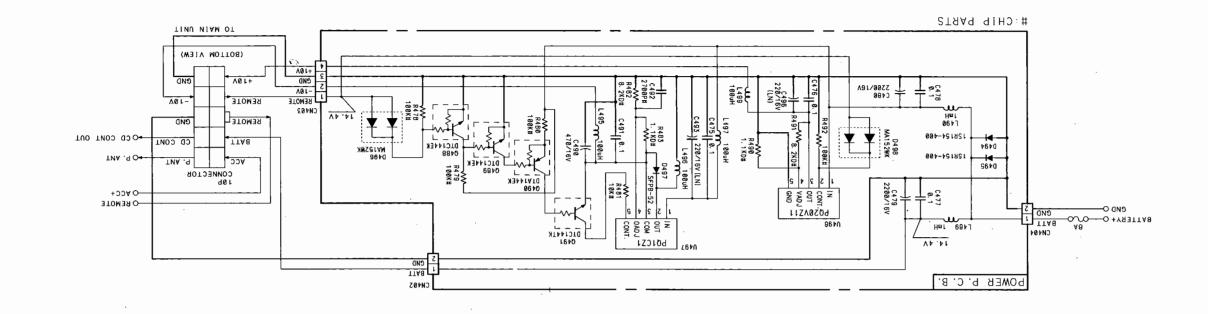


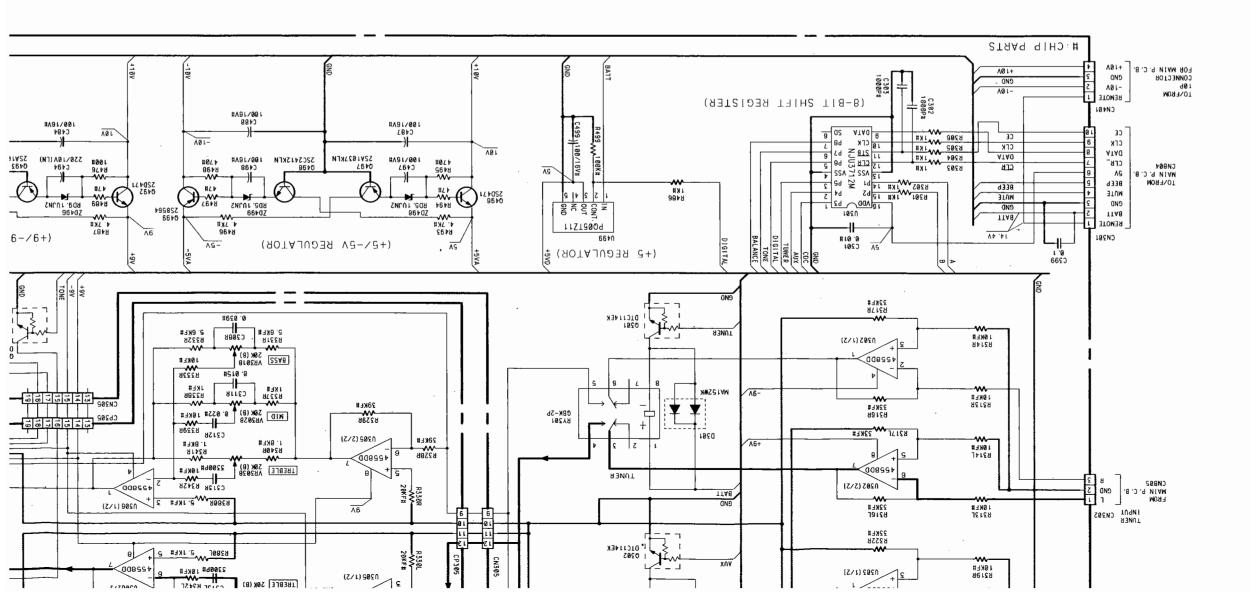
52D471 52B564

NOTE: Description of electrolytic capacitor: 100/16V = 100µ 16V

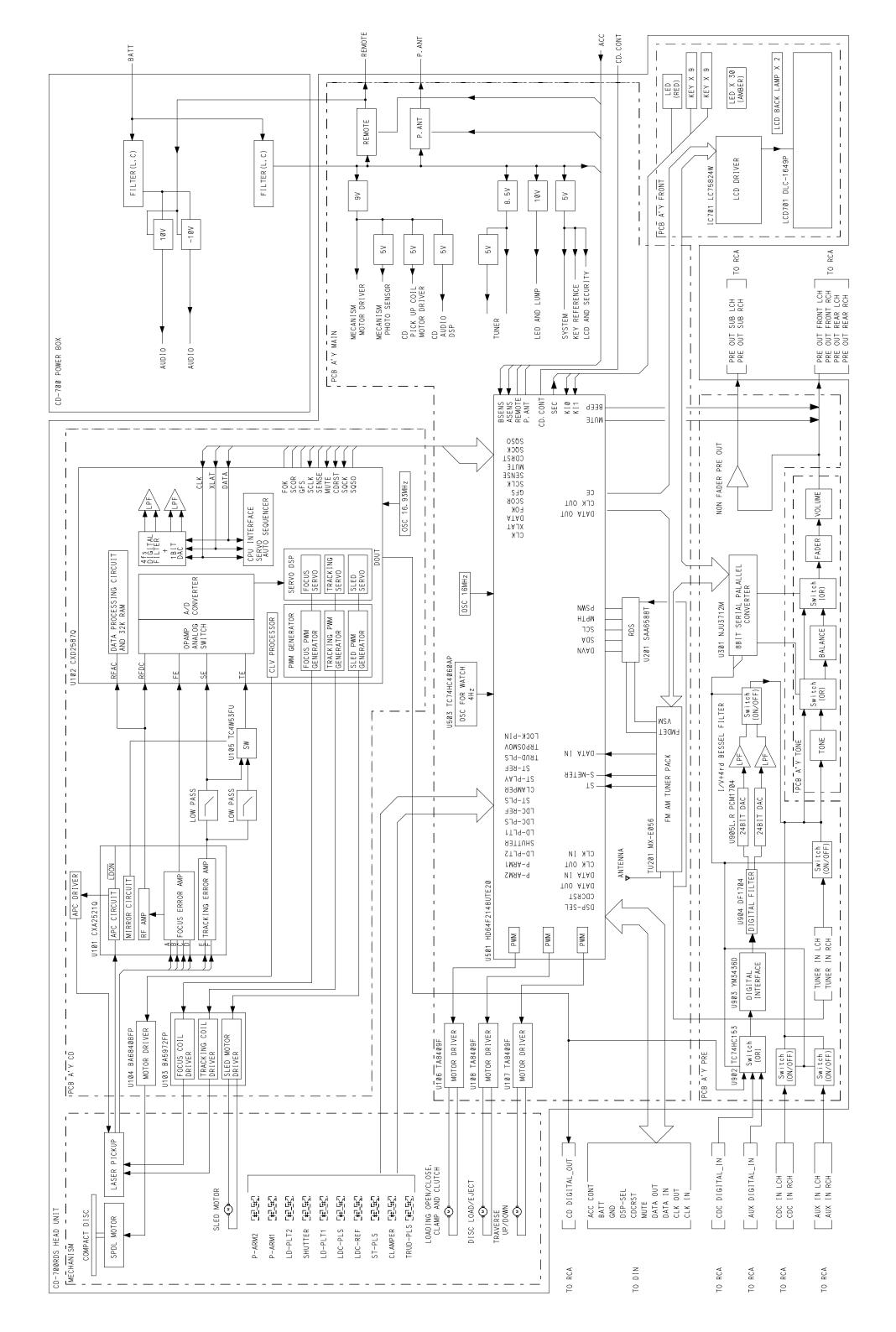


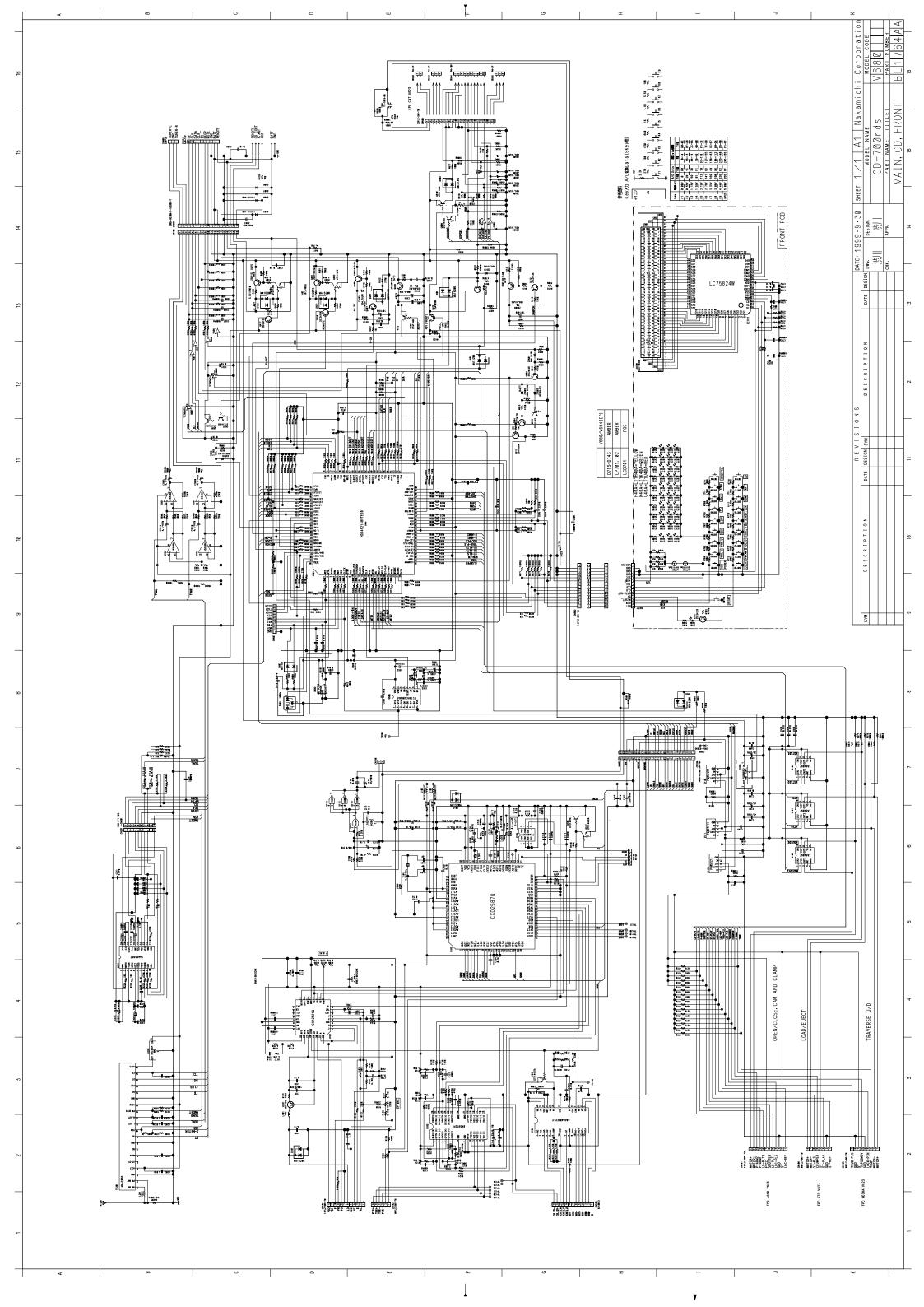
TUO T





Power Box

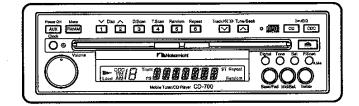




Service Manual

Mobile Tuner / CD Player

CD-700



130

Ψ.S

1.050



CONTENTS

| 1. | Gener | al | 2 |
|-----|----------------|---|----|
| 2. | Remov | al Procedures | 6 |
| | 2.1. | Top Cover Ass'y | 6 |
| | 2.2. | Main P.C.B. Ass'y (Accessing) and Front Panel Block | 7 |
| | 2.3. | Loading Ass'y | 8 |
| | 2.4. | Main P.C.B. Ass'y and Pre P.C.B. Ass'y | 9 |
| | 2.5. | CD P.C.B. Ass'y | 10 |
| | 2.6. | Traverse Mecha Chassis Ass'y | 11 |
| | 2.7. | Laser Pickup | 12 |
| | 2.8. | Sled Motor Ass'y | 12 |
| | 2.9. | Traverse Motor Sub Ass'y | 13 |
| | 2.10. | Shut Arm Block and Loading FPC Ass'y | 13 |
| | | Loading Guide Ass'y | 14 |
| 3. | Mecha | nical Adjustments | 16 |
| | 3.1. | Loading Guide R B Positioning | 19 |
| 4. | | rement Instruments and Jigs | 17 |
| 5. | Electri | cal Adjustments | 18 |
| 6. | Mecha | nism Ass'y and Parts List | 21 |
| | 6.1. | Synthesis | 21 |
| | 6.2. | Front Panel Ass'y (A01) | 22 |
| | 6.3. | Front Panel Sub Ass'y (B01) | 23 |
| | 6.4. | Tone Ass'y (B02) | 23 |
| | 6.5. | Mechanism Ass'y (A02) | 24 |
| | 6.6. | | 26 |
| | 6.7. | Traverse Base Ass'y (B04) | |
| | 6.8. | Loading Ass'y (B05) | |
| | 6.9. | Clamper Ass'y (C01) | |
| | 6.10. | Loading Guide Ass'y (C02) | 30 |
| | <i>.</i> 6.11. | Loading Chassis Ass'y (C03) | 32 |
| | 6.12. | Power Box Ass'y | 33 |
| 7. | | ing Diagrams and Parts List | 33 |
| | 7.1. | Power P.C.B. Ass'y (Power Box Ass'y) | 33 |
| | 7 <i>.</i> 2. | | 33 |
| | 7.3. | Pre P.C.B. Ass'y | 36 |
| | 7.4. | Tone P.C.B. Ass'y | 36 |
| | 7.5. | | |
| | 7.6. | | |
| 8. | | ck Diagrams | |
| 9. | | J | |
| 10. | | | 52 |
| Spe | cificatio | ns | |

Schematic Diagrams (See attached sheet.)

GENERAL

| Configuration of CD- CD-700 consists of the | | wing units. | |
|--|-----|-------------|--|
| Main Unit | | Power Box | |
| Destinations USA, CAN, OTR, EP, | JPN | n | |

Abbreviations for Destinations: USA --- U.S.A. EP --- Europe CAN --- Canada JPN --- Japan OTR --- Other 1.3. Cautions/Warnings
(1) Protection of Eyes from Laser Beam
To protect eyes from invisible laser beam during servicing,
DO NOT LOOK AT THE LASER BEAM.
Laser Diode Properties
Material: GaAs+GaAlAs
Laser output: 0.4mW Max.
Wavelength: 760 - 800 nm

Emission duration: Continuous

(2) Laser Caution CAUTION

Adjusting the knobs, switches, and controls, etc. or taking actions not specified herein may result in a harmful emission of laser beams. This CD Player must be adjusted and repaired only by qualified service personnel.

OBSERVERA!

Sådana inställningar av rattarna, omkopplarna eller övriga kontrollknappar som inte är beskriva i bruksanvisningen kan resultera i farlig laserutstrålning. Justering eller reparation av denna kompaktskivspelare skall endast utföras av kvalificerad servicepersonal.

OBS!

Indstilling af knapper, cmskiftere og øvrige kontrolknapper, som ikke følger den i brugsanvisningen beskrevne måde, kan resultere i farlig laserudstråling. Justering eller reparation af denno CD-afspiller må kun udføres af kvalificeret servicepersonale.

OBS!

Justering av ratt, brytere og kontroller andre enn de som er beskrevet her, kan resultere i farlig laserbestråling. Justering eller reparasjon av denne kompaktdiskspilleren ma bare utføres av kvalifiserte fagfolk.

HUOMAUTUS

Jos nuppeja, kytkimiä ja säätimiä ym, säädetään tai laitetta käytetään toisella tavalla kuin on selostettu, tuloksena saattaa olla vaarallista lasersäteiden vuotoa. CD-soittimen säätö ja korjaus on jätettävä aina asiantuntevan huoltoteknikon tehtäväksi.

THE CLASS 1 LASER PRODUCT LABEL IS LOCATED ON THE REAR EXTERIOR.

1.4. Handling the Laser Pickup

In case of repair or replacement of the Laser Pickup, pay attention to the following handling instructions since the laser diode in the Laser Pickup is not resistant to static electricity.

(1) Grounding

When you repair a Laser Pickup, first ground the human body, as well as the measuring instruments and other tools (with particular caution to soldering iron). What's more, your workbench and floor should desirably be grounded using conductive sheet or copper plate. See Fig. 1.1.

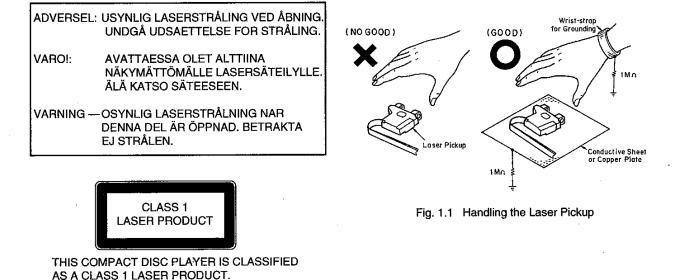
NOTE: Be careful so as not to let your clothes touch the Laser Pickup, as static electricity on the clothes will not be released even if your body is grounded.

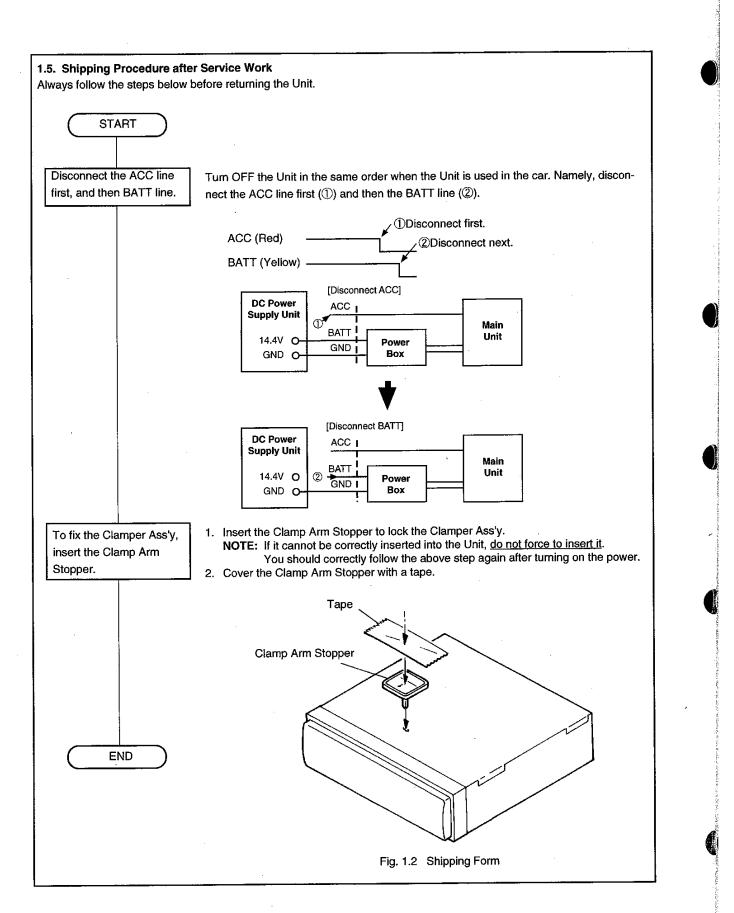
(2) Discharge of Electricity

Be sure to discharge electricity from objects brought into contact with the Laser Pickup (i.e., soldering iron, tweezers, probes, volt-ohm-meter probes, etc.) before starting work by contacting them with the body chassis. Besides, never touch the Laser Pickup while power is applied.

(3) Soldering Iron to be Used

The soldering iron for use in repair work should be: (1) a ceramic soldering iron, (2) a soldering iron with its metal part grounded, or (3) a soldering iron whose insulation resistance after five minutes of power application is 10 M-ohm or more at 500 VDC. Soldering should be completed promptly, at a soldering iron temperature of 320° max (39 W). A soldering iron heated above this temperature can break down the laser diode.





1.6. Package and Accessory Ass'y

))

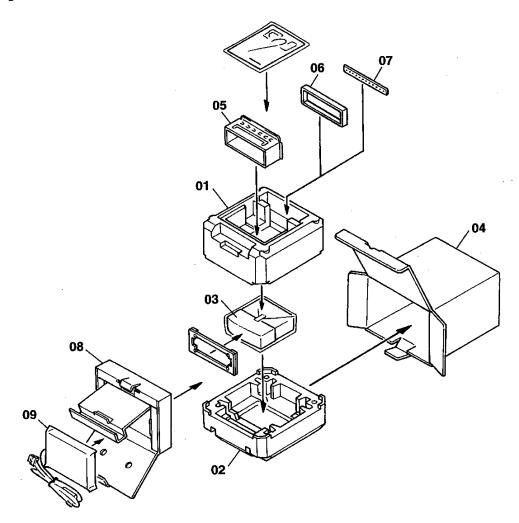


Fig. 1.3

| Schematic Ref. No. | Part No. | Description | Q'ty |
|-----------------------|----------|------------------------------|------|
| | | Package and Accessory Ass'y | |
| 01 | 0F05341A | Package Top | 1 |
| 02 | 0F05342A | Package Bottom | 1 |
| 03 | 0F05381A | Soft Sheet (for Front Panel) | 1 |
| 04 | 0F05446A | Inner Carton (JPN) | 1 |
| 05 | HG07456B | Sleeve Ass'y (Except JPN) | 1 |
| 06 | 0H08291A | Panel Frame L | 1 |
| 07 | 0J07417A | Metal Stay (Except JPN) | 1 |
| 08 | 0F05388A | Pre Amp. Box | 1 |
| 09 | HA07887A | Power Box Ass'y | 1 |
| | 0B90359A | Masking Tape | 4 |
| | 0B90877A | Fuse 250V 8A | 1 |
| _ | 0D07142B | Owner's Manual (Japanese) | 1 |
| | 0D07143B | Owner's Manual (English) | 1 |
| — | 0D07189A | Owner's Manual (French/S) | 1 |
| | 0D07200A | Owner's Manual (German/S) | 1 |
| | 0J07428A | Rubber Cap (Except JPN) | 1 |
| | DG05271A | | 1 |
| _ | JG04899A | Bolt Ass'y | 1 |

REMOVAL PROCEDURES 2.

WARNING:

Before starting disassembly, be sure to disconnect the power supply lines from a power source.

CAUTIONS:

- Before turning on the power, be sure that there is no abnormality.
- · Be careful not to leave parts such as screws and washers unattached or loose inside the Unit.
- Be careful not to damage the flexible cable during service work.
- · Do not excessively tighten screws.
- · Do not reuse E-rings.
- · Assembly should be performed in the reverse order of disassembly unless otherwise specified. However, be sure to follow the notes or procedures if written.
- Before returning the Unit, follow 1.5 "Shipping Procedure after Service Work" on page 4.

General Maintenance Tools:

- Philips screwdriver
- Tweezers
- Cutting Nippers
- Soldering Iron (Ceramic one or whose metal part is grounded)

Removal Procedures:

2.1. Top Cover Ass'y

Refer to Fig. 2.1.

- (1) Remove the screws F01 (2 pcs.) and detach F02 (Lock Plate, 2 pcs.).
- (2) Detach F03 (Top Cover Ass'y).
 - NOTE: Do not apply excessive force to the Top Cover Ass'y as it can be deformed.

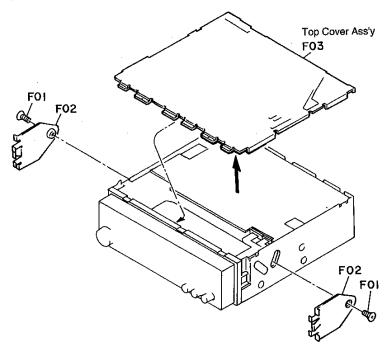


Fig. 2.1

Ĝ

2.2. Main P.C.B. Ass'y (Accessing) and Front Panel Block

Refer to Figs. 2.2.1 and 2.2.2.

- (1) Remove the Top Cover Ass'y. See item 2.1.
- (2) Remove the screws F01 (M2x1.8 + Pan, 5 pcs.), F02 (M2.6x8 + Pan, 1 pce.) and F03 (M3x3 + Binding, 1 pce.). Refer to Fig. 2.2.1.
- (3) Gently lift the CN-501 part (the right front part) of F09 (Main P.C.B. Ass'y) to disconnect CN-501 from the CD P.C.B. Ass'y on the Mechanism Ass'y. Refer to Fig. 2.2.2.

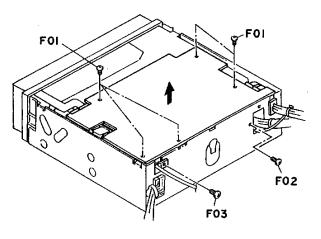
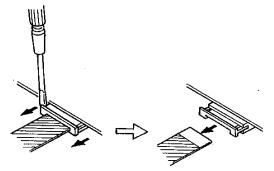
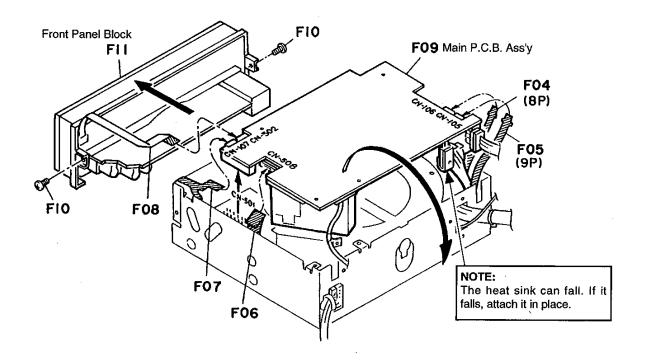


Fig. 2.2.1

- (4) While lifting F09 (Main P.C.B. Ass'y) a little, disconnect the five flexible cables F04 to F08 from CN-106, CN-105, CN-508, CN-107, and CN-502 on F09 (Main P.C.B. Ass'y).
 - NOTE: To disconnect the flexible cable, unlock the connector lock as shown below before disconnecting it.



- (5) Remove the rear left cable of F09 (Main P.C.B. Ass'y) upwardly and turn over F09 (Main P.C.B. Ass'y) toward the rear of the Unit.
 - NOTE: F09 (Main P.C.B. Ass'y) cannot be removed until its cables are disconnected from the Pre P.C.B. Ass'y inside the Mechanism Ass'y. To replace F09 (Main P.C.B. Ass'y), refer to item 2.4 "Main P.C.B. Ass'y and Pre P.C.B. Ass'y".
- (6) Remove the screws F10 (M3x3 + Binding, 2 pcs.) and detach F11 (Front Panel Block).



2.3. Loading Ass'y

2.3.1. Removing the Loading Ass'y

- Refer to Fig. 2.3.1.
- (1) Detach the Main P.C.B. Ass'y. See 2.2 "Main P.C.B. Ass'y (Accessing) and Front Panel Block".
- (2) Remove the screws F01 (M1.7x2 + Pan (Black), 4 pcs.) and F02 (M2x2 Countersunk (Black), 2 pcs.).
- Gently draw the Pre P.C.B. Ass'y toward you (①) until (3) the shafts of F03 (Loading Ass'y) come off the Pre P.C.B. Ass'y as shown in the figure.
- (4) Remove F03 (Loading Ass'y) as follow:
 - 1) Shift the right front of the F03 (Loading Ass'y) toward you (2).

I)

- 2) Lift the right side of the F03 (Loading Ass'y) (③).
- 3) Remove F03 (Loading Ass'y) (④).
- NOTE: When removing, do not damage the flexible cables and other parts.

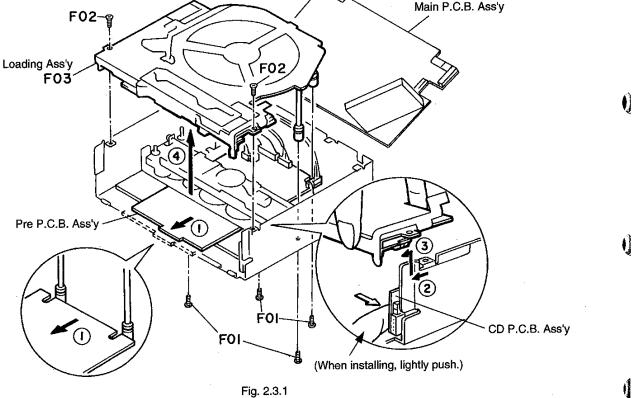
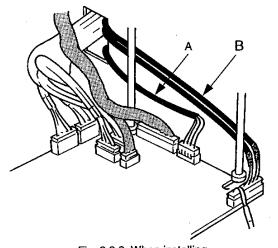


Fig. 2.3.1

2.3.2. Installing the Loading Ass'y

Install the Loading Ass'y by reversing the removal procedure. However, pay attention to the following points.

- Run each cable as shown in Fig. 2.3.2. The cable "A" (part of the Main P.C.B. Ass'y) and cable "B" must run behind the shafts of the Loading Ass'y.
- · While seating the right front side of the Loading Ass'y, lightly push the CD P.C.B. Ass'y to the right as shown in Fig. 2.3.1, since the Loading Ass'y will come in contact with the CD P.C.B. Ass'y.



2.4. Main P.C.B. Ass'y and Pre P.C.B. Ass'y

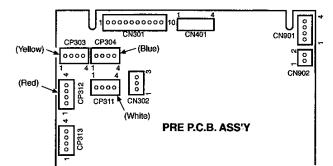
Refer to Fig. 2.4.

のないないないないないないので

- (1) Remove the Loading Ass'y. See 2.3 "Loading Ass'y".
- (2) Disconnect 3 connectors and remove F01 (Main P.C.B. Ass'y).
- (3) Disconnect other connectors and remove F02 (Pre P.C.B. Ass'y) by gently drawing toward the front.

Notes when connecting the connectors:

- 1. Firstly insert the cable "A" (part of the Main P.C.B. Ass'y) into the square hole so that it will be in the lowest position.
- 2. Correctly connect the cable connectors. Meet the color of the cable connector and the color of the connector on the Pre P.C.B. Ass'y.



(Connector location and connector colors)

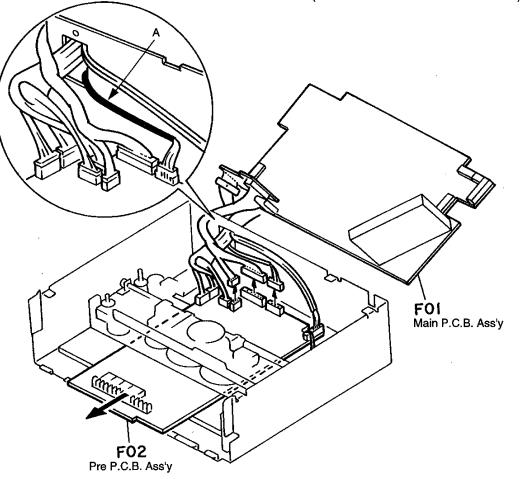


Fig. 2.4

2.5. CD P.C.B. Ass'y

- 2.5.1. Removing the CD P.C.B. Ass'y
- (1) Remove the Loading Ass'y. See 2.3 "Loading Ass'y".
- (2) Remove the screws F01 (M2.6x3 + Pan (Black), 2 pcs.). Refer to Fig. 2.5.1.
- (3) Lift F02 (CD P.C.B. Ass'y) and disconnect the flexible cables F03 and F04 from F02 (CD P.C.B. Ass'y).
- (4) Short the laser diode shorting lands "A" on the flexible cable F05. Refer to Fig. 2.5.2.
- (5) Disconnect the flexible cable F05 from F02 (CD P.C.B. Ass'y).

2.5.2. Installing the CD P.C.B. Ass'y

Install the CD P.C.B. Ass'y by reversing the removal procedure.

NOTE: Do not forget to unsolder the laser diode shorting lands "A" with the soldering iron <u>after connecting</u> <u>F05 (flexible cable of the pickup)</u> to F02 (CD P.C.B. Ass'y).

To unsolder, use the ceramic soldering iron or the soldering iron whose metal part is grounded.

Q

E)

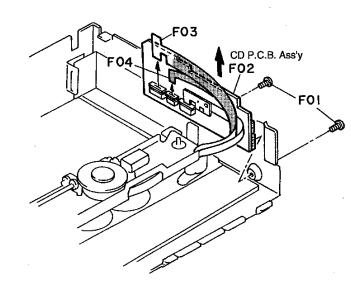
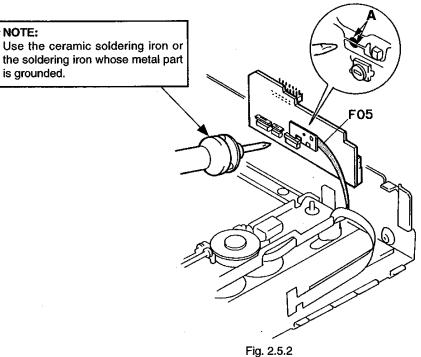


Fig. 2.5.1



,. _....

2.6. Traverse Mecha Chassis Ass'y

2.6.1. Removing the Traverse Mecha Chassis Ass'y Refer to Fig. 2.6.

- (1) Remove the CD P.C.B. Ass'y. See 2.5 "CD P.C.B. Ass'y".
- (2) Remove the screws F01 (M1.7x1.6 + Pan (Black), 2 pcs.) and detach F02 (Guide PL Block).
- (3) Remove the C-ring F03 (1 pce.), washers F04 (Washer 2.6x5x0.5, 2 pcs.), F05 (Thrust Ring, 3 pcs.), and F06 (Lock Guide Top, 3 pcs.).
- (4) Remove F07 (Traverse Mecha Chassis Ass'y) from the dampers of the main body.

The four springs F08-F10 will come off.

NOTE: Be sure which spring should be mounted on which damper as there are three kinds of springs.

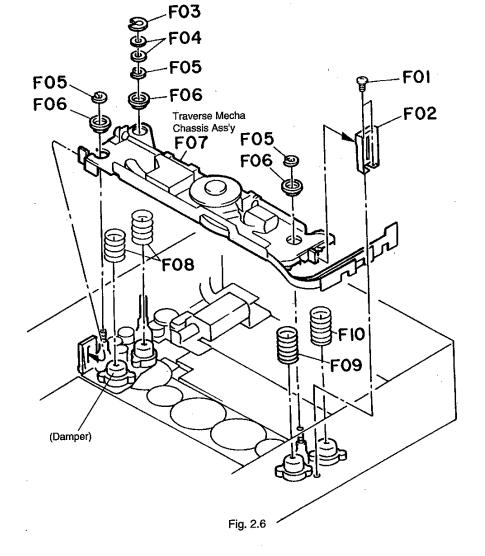
2.6.2. Installing the Traverse Mecha Chassis Ass'y

Install the Traverse Mecha Chassis Ass'y by reversing the removal procedure. However, pay attention to the following points.

• Mount the correct spring on each damper.



 Securely insert the Traverse Mecha Chassis Ass'y into the four dampers.



2.7. Laser Pickup

2.7.1. Removing the Laser Pickup

Refer to Fig. 2.7.

- (1) Remove the Traverse Mecha Chassis Ass'y. See 2.6 "Traverse Mecha Chassis Ass'y".
- (2) Remove the screws F01 (M1.7x1.8 Countersunk, 3 pcs.) and detach F02 (Spindle Motor Ass'y).
- (3) Remove the screws F03 (M1x1.5 + Pan (Black), 2 pcs.) and the washers F04 (Plastic Washer 1.3x3.3x0.3).
- (4) Remove the screws F05 (M1.4x1.4 + Pan (Black), 2 pcs.) and detach F06 (Thrust Bracket Block).
- (5) Remove the cut washer F07 (Cut Washer 1.6x3.5x0.5) and detach F08 (Pickup Block).

(6) Remove the screws F09 (M1.7x1.6 + Pan (Black), 2 pcs.) and F10 (Pickup Feed Spring) and pull out F11 (Pickup Feed Shaft Ass'y) from F12 (Pickup).

2.7.2. Installing a Laser Pickup

Install the Pickup by reversing the removal procedure.

- NOTES: 1. As a Laser Pickup is packed in a conductive pack, do not take it out of the pack until you need it.
 - 2. <u>Do not unsolder the shorting lands</u> on the flexible cable of the pickup in this stage. It should be removed after inserting the flexible cable into the CD P.C.B. Ass'y as described in 2.5.2 "Installing the CD P.C.B. Ass'y".

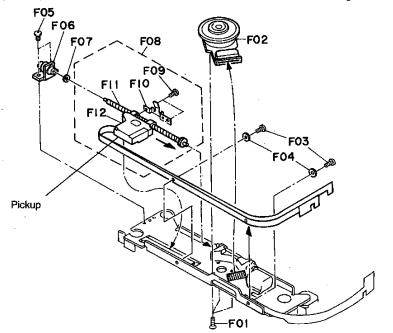
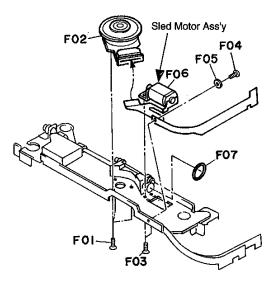


Fig. 2.7

2.8. Sled Motor Ass'y

Refer to Fig. 2.8.

- (1) Remove the Traverse Mecha Chassis Ass'y. See 2.6 "Traverse Mecha Chassis Ass'y".
- (2) Remove the screws F01 (M1.7x1.8 Countersunk , 3 pcs.) and detach F02 (Spindle Motor Ass'y).
- (3) Remove the screws F03 (M2x1.8 + Countersunk, 2 pcs.), F04 (M1x1.5 + Pan (Black), 1 pce.), and the washer F05 (Plastic Washer 1.3x3.3x0.3).
- (4) Remove F06 (Sled Motor Ass'y) and F07 (Sled Belt, 2 pcs.)





2.9. Traverse Motor Sub Ass'y

Refer to Fig. 2.9.

- (1) Remove the Loading Ass'y. See 2.3 "Loading Ass'y".
- (2) Remove the screw F01 (1 pce.).
- (3) Remove F02 (Traverse Motor Sub Ass'y) and unsolder the two wires (Red and Black) from the motor terminals. F03 can be removed.

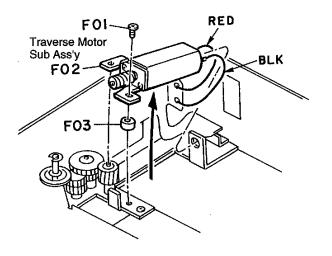


Fig. 2.9

2.10. Shut Arm Block and Loading FPC Ass'y Refer to Fig. 2.10.

- 2.10.1. Removing the Shut Arm Block and Loading FPC Ass'y
- (1) Remove the Loading Ass'y. See 2.3 "Loading Ass'y".
- (2) Remove the screws F01 (M2x1.8 + Pan (Black), 3 pcs.) and detach F02 (Shut Arm Block) by shifting it to the right in Fig. 2.10.
- (3) Remove the screws F03 (M2x1.8 + Pan (Black), 1 pce.) and F04 (M2x2.5 + Pan, 1 pce.) that fasten F05 (Loading FPC Ass'y).
 (The Loading FPC Ass'y are soldered to the motor ter-

minals.)

- 2.10.2. Installing the Shut Arm Block and Loading FPC Ass'y
- (1) Fasten F05 (Loading FPC Ass'y) with the screws in the following order.
 - 1) Fasten the center screw F04 and then right and left screws F03 and F01.
 - 2) Loosen the center screw F04 once and then refasten it.
- (2) Shift the Shut Arm Block to the right in Fig. 2.10. Then, assemble it to the Shut Arm Rack of the Loading Ass'y. In this case, assemble it so that 3 teeth of the Shut Arm Rack comes out as shown when the Shut Arm is set free (set vertically).

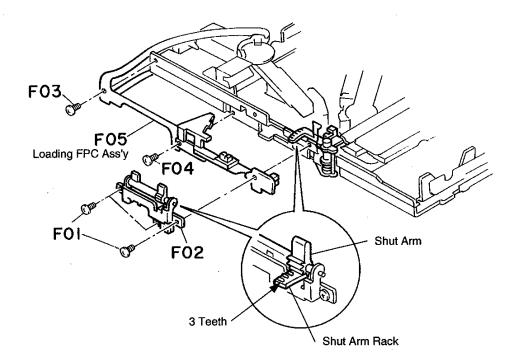


Fig. 2.10

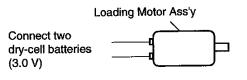
2.11. Loading Guide Ass'y

2.11.1. Preparation Before Removing the Loading Guide Ass'y

It is required to position the Clamper Ass'y of the Loading Ass'y in the clamp (chucking) position before removing the Loading Guide Ass'y. Otherwise, the Loading Guide Ass'y cannot be installed to the Loading Chassis Ass'y.

To position the Clamper Ass'y to the clamp (chucking) position, follow the steps below:

- Check if the Clamper Ass'y is in the clamp (chucking) position as shown in Fig. 2.11.1. If not, proceed to step (2).
- (2) Connect two batteries (3.0 V) between the terminals of the Loading Motor Ass'y. As you apply the voltage to the Loading Motor Ass'y, the loading mechanism will move. So, set the Clamper Ass'y to the clamp (chucking) position or near position.



[Connecting battery to turn the Loading Motor Ass'y]

2.11.2. Removing the Loading Guide Ass'y Refer to Fig. 2.11.1.

(1) Remove the Shut Arm Block and Loading FPC Ass'y. See 2.10 "Shut Arm Block and Loading FPC Ass'y". Ŋ

Ą

4

- (2) Remove the cut washer F01 (Cut Washer 2.1x5x0.125) and pull out F02 (Gear TBL 2).
- (3) Remove the screw F03 (M2x2.5 + Pan) and detach F04 (P Arm Guide).
- (4) Remove the screws F05 (M2x3 + Pan (Black), 5 pcs), disengage F06 (Cut Washer 1.2x3x 0.125), and detach F07 (Loading Guide Ass'y) by lifting it upward. To separate F07 (Loading Guide Ass'y) from the Loading Chassis Ass'y, it is required to unsolder the flexible cable from the Loading Motor Ass'y.

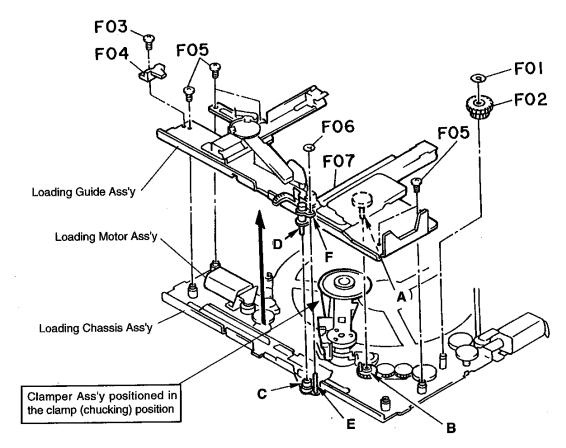


Fig. 2.11.1

2.11.3. Installing the Loading Guide Ass'y

When installing the Loading Guide Ass'y in the Loading Chassis Ass'y, follow the steps below:

Note that the 3 places "A"-"B", "C"-"D" and "E"-"F" (see Figs. 2.11.1 and 2.12.2) must be correctly positioned.

- (1) First, temporarily mount the Plate LG R of the Loading Guide Ass'y on the Loading Chassis Ass'y with two screws "G", as it can move freely and come in contact with other parts. Refer to Fig. 2.11.2.
- (2) Turn the movable Plate PLS Sub Ass'y "H" to bring it to the position shown in Fig. 2.11.2.
- (3) Insert the shaft "A" of the Loading Guide Ass'y into the hole "B" of the gear train on the Loading Chassis Ass'y. (The Loading Guide Ass'y will not fully seated to the Loading Chassis Ass'y and float a little.)
- (4) While opening the Loading Guide L outward, align the hole "C" of the Plate PLS Sub Ass'y with the pin "D" of the Loading Guide Ass'y and, at the same time, align the pin "E" of the Plate PLS Sub Ass'y with the hole "F" of the Loading Guide Ass'y. Then, engage them each other.
- (5) Move the part "I" in the direction shown by the arrow. Then, be sure that the Loading Guide Ass'y is securely seated to the Loading Chassis Ass'y.
- (6) Fasten the cut washer F06 and 5 screws F05 to mount the Loading Guide Ass'y.

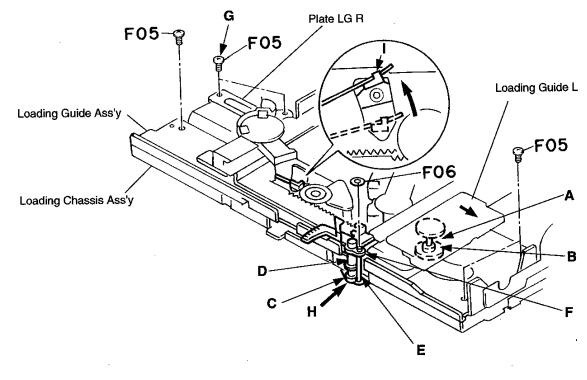
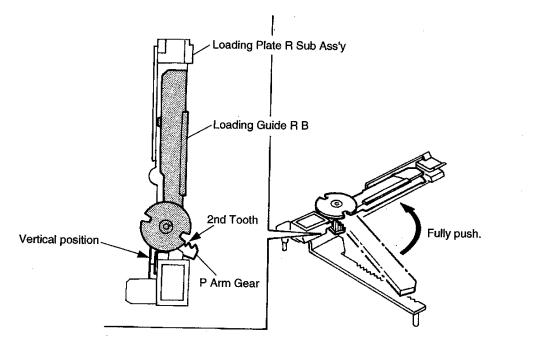


Fig. 2.11.2

3. **MECHANICAL ADJUSTMENTS**

3.1. Loading Guide R B Positioning Install the Loading Guide R B so that its gear is engaged with the P Arm Gear as shown in Fig. 3.1. In this case, be sure that the Loading Guide R B is fully pushed against the Loading Plate R Sub Ass'y.



Ŋ

Ø

Ø

Ĵ



4. MEASUREMENT INSTRUMENTS AND JIGS

- (1) Oscilloscope (40 MHz or more)
- (2) DC Power Supply Unit (+14.4 V DC)
- (3) DC Power Supply Unit (+5 V DC)
- (4) ABEX Test Disc TCD-725A (DA09193A)
- (5) ABEX Test Disc TCD-784 (DA09195A)
- (6) CD-ROM Test Unit (DA09190A)
- (7) Test Unit Cable (DA05322A)
- (8) Tracking Offset Meter LTM-9055 or LE 9055A (Leader Electronics Corp.)

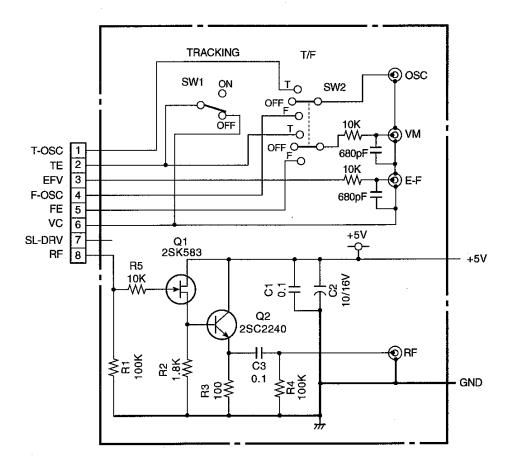


Fig. 4.1 CD-ROM Test Unit

ELECTRICAL ADJUSTMENTS 5.

NOTES:

1. Preset position of the semi-fixed volumes:

When the CD P.C.B. Ass'y or semi-fixed volume VR101 or VR102 is replaced with new one, preset the semi-fixed volumes to their mechanical center positions before starting adjustment.

Q

1

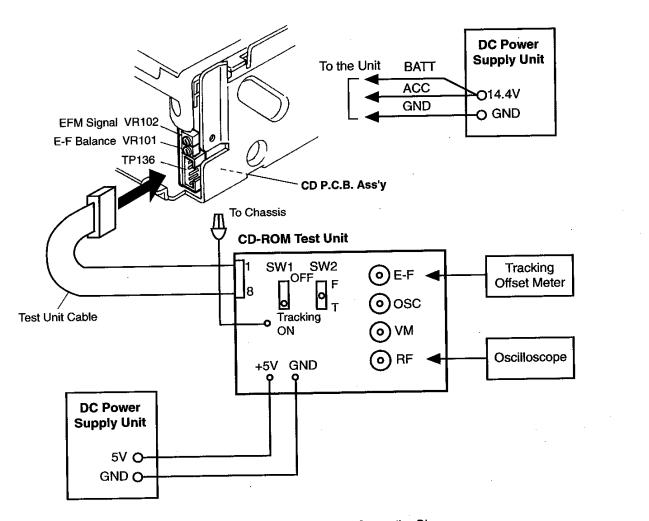
Ű

1

ł

2. Connecting Measurement Instruments:

Connect measurement instruments to the CD P.C.B. Ass'y as shown in Fig. 5.1. Fig. 5.1 also shows the parts location for adjustment.





| STEP | ITEM | SIGNAL SOURCE | OUTPUT CONNECTION | ADJUST- MENT | REMARKS |
|------|--|--------------------|---|--------------------|--|
| 1 | To TP136 (CD P.C.B. As | | See Fig. 5.1. | SW2 F T g | To access to the semi-fixed volumes on the CD P.C.B. Ass'y, remove the Front Panel Block and then carefully place it on the Unit. (See item 2.2.) Disconnect the original 8P cable from the CD- ROM Test Unit. Connect one end of the additional Test Unit Cable to the 8P connector of the CD-ROM Test Unit. Connect the other end of the additional Test Unit Cable to the TP136 connector on the CD P.C.B. Ass'y. Connect the Ground Wire with Clip of the CD- ROM Test Unit to the chassis of the Unit. Connect +5V and GND wires of the CD-ROM Test Unit to a +5V DC power supply unit. Supply +14.4V DC to the ACC and BATT lines of the Unit. |
| 2 | EFM Signal Adjustment SW1: TRACK SW2: OFF CD-ROM Tes SW1 S COFF OFF OFF OFF COFF COFF COFF COFF | t Unit SW2 OE-F | Oscilloscope to RF Connector of the CD-ROM Test Unit | CD P.C.B. VR102 | Set SW1 of the CD-ROM Test Unit to Tracking ON position and SW2 to OFF (center) position. Play back the first track of the test disc (within 1 minute). Adjust VR102 until waveform amplitude becomes maximum and the waveform becomes clear (not thick) as shown below: Oscilloscope Setting: AC Mode, 0.2 V/div, 0.5 µs/div Stop the test disc. |

}

}

)

| TEP | ITEM | SIGNAL SOURCE | OUTPUT CONNECTION | ADJUST- MENT | REMARKS |
|-----|--------------------|---------------------------|---------------------------------|--------------------|--|
| 2 | SW1 | | 5C M F D55 or LE-9055A | CD P.C.B. VR101 | Set SW1 of the CD-ROM Test Unit to Tracking ON position and SW2 to OFF (center) position. Connect a tracking offset meter to the E-F connector of the CD-ROM Test Unit, and set the switches of the meter as follows: Sensitivity switch: HIGH (right side) Level switch: MEASURE (left side) Center switch: MEASURE (center position) Set SW1 of the CD-ROM Test Unit to Tracking OFF position and play back the first track of the test disc. Then, within several seconds, adjust VR101 to obtain 0V ± 50mV DC on the meter located in the center of the Tracking Offset Meter. (After several seconds, the sound output will be stopped though the test disc turns.) Set SW1 of the CD-ROM Test Unit to ON position and repeat from step 3 until adjustment is com- pleted. After adjustment, perform "EFM Signal Adjust- ment" in step 2. Stop the test disc. |
| 4 | Operation Check | ABEX Test Dis TCD-725A | c | | Make sure that no noise nor track-jumping is found in the following programs of the test disc. To select the desired program, press FWD. Skip (>>) button or REV. Skip (<<) button of the Control Button Unit. Interruption 600 μm: 4th program Black dot 500 μm: 8th program Simulated fingerprint: 13th program |

MECHANISM ASS'Y AND PARTS LIST 6.

6.1. Synthesis

Ð

D

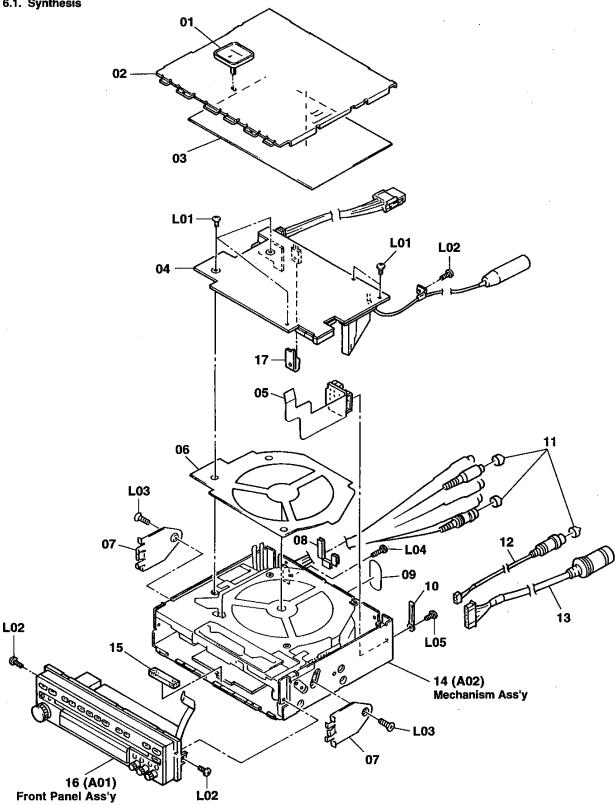


Fig. 6.1

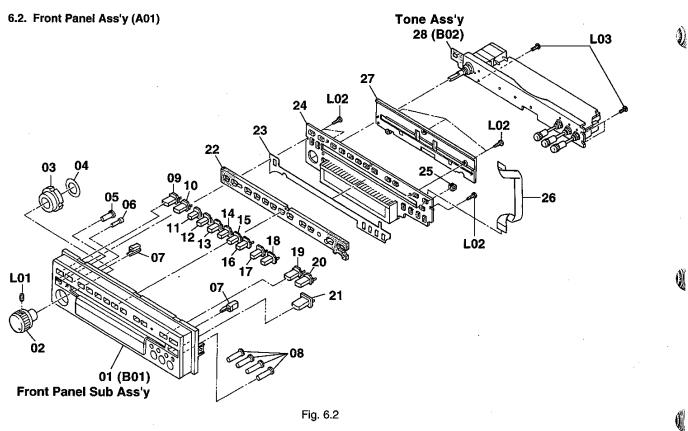


Fig. 6.2

6.1. Synthesis

| Schematic Ref. No. | Part No. | Description | Q'ty |
|-----------------------|----------|--|---------------------------------|
| | | Synthesis | |
| 01 | 0C20480D | Clamp Arm Stopper | 1 |
| 02 | 0C20487C | Top Cover | 1 |
| 03 | 0J08184A | Insulator Main A | 1 |
| 04 | BA09970A | Main P.C.B. Ass'y (USA, CAN) | 1 |
| | BA10090A | | 1 |
| | BA09971A | Main P.C.B. Ass'y (OTR) | 1 |
| | BA09969A | Main P.C.B. Ass'y (JPN) | 1 |
| 05 | BA09859A | | 1 |
| 06 | 0J08185A | Insulator Main B | 1 |
| 07 | 0J07968B | Lock Plate (Except JPN) | 1 1 1 1 1 2 1 |
| 08 | 0J08349A | Edge Protector | 1 |
| 09 | 0J08196A | Label Protector | 1 |
| 10 | 0J06068A | Clip | 1 |
| 11 | 0B84524A | | 11 |
| 12 | 0B84926B | Digital Out Ass'y | 1 |
| 13 | 0B84912A | | 1 |
| 14 | CA10174A | Mechanism Ass'y CD700C (Except JPN) | 1 |
| | CA10161A | Mechanism Ass'y CD700 (JPN) | 1 |
| 15 | 0J08309A | Cushion Pre P.C.B. | 1 |
| 16 | HA07892A | Front Panel Ass'y (Except JPN) | 1 |
| | HA07882A | Front Panel Ass'y (JPN) | 1 |
| 17 | 0J08175C | Heat Sink Power | 1 |
| L01 | 0E04109A | M2x1.8 + Pan #0 Type 2 | |
| L02 | 0E04047A | M3x3 + Binding | |
| L03 | 0E04057A | M5x6 + Countersunk (Except JPN) | |
| L04 | 0E04036A | M2.6x8 + Pan #0 Type 3 | |
| L05 | 0E04076A | M2.6x3 + Pan #0 Type 1 (Black) | |

| 6.2 Front P | anel Ass'y (A | 01) |
|-------------|---------------|-----|
| Schematic | | |
| Ref. No. | Part No. | Des |

| chematic ef. No. | Part No. | Description | Q'ty |
|---------------------|----------------------|---|--------|
| A01 | HA07892A HA07882A | Front Panel Ass'y (Except JPN) Front Panel Ass'y (JPN) | 1 1 |
| 01 | _ | Front Panel Sub Ass'y | 1 |
| 02 | 0H08282A | VR Knob Master | 1 |
| 03 | 0H08286A | Lens Master Volume | 1 |
| 04 | 0H08288A | LED Filter M Volume | 1 |
| 05 | 0H08280A | Button E Mute | 1 |
| 06 | 0H08281A | Button F Reset | 1 |
| 07 | 0H08287A | Lens Disc | 2 4 |
| 08 | 0H08279A | Button D Select | 4 |
| 09 | 0H08268B | Button A AUX | 1 |
| 10 | 0H08267B | Button A FM/AM | 1 |
| 11 | 0H08270C | Button B 1 | 1 |
| 12 | 0H08271B | Button B 2 | 1 |
| 13 | 0H08272B | Button B 3 | 1 |
| 14 | 0H08273B | Button B 4 | 1 |
| 15 | 0H08274B | Button B 5 | 1 |
| 16 | 0H08275B | Button B 6 | 1 |
| 17 | 0H08276B | Button B Down | 1 |
| 18 | 0H08277B | Button B Up | 1 |
| 19 | 0H08266C | Button A CD | 1 |
| 20 | 0H08269B | Button A CDC | 1 |
| 21 | 0H08278C | Button C Eject | 1 |
| 22 | 0J08301A | Cushion Knob | 1 |
| 23 | 0H08289A | LED Filter Select | 1 |
| 24 | BA09982A | Front P.C.B. Ass'y | 1 |
| 25 | 0J08308A | Cushion F P.C.B. | 1 |
| 26 | 0B84918A | Wire Flex 14P | 1 |
| 27 | HG07635B | Disc Guide Ass'y | 1 |
| 28 | | Tone Ass'y | 1 |
| L01 | 0E04167A | M2.6x5 Headless | |
| L02 | 0E03814A | PT2x8 + Binding (Black) | |
| L03 | 0E00801A | M2x5 + Pan #0 Type 1 (Black) | |
| | | | |

(

6.3. Front Panel Sub Ass'y (B01)

and the later which is the second second

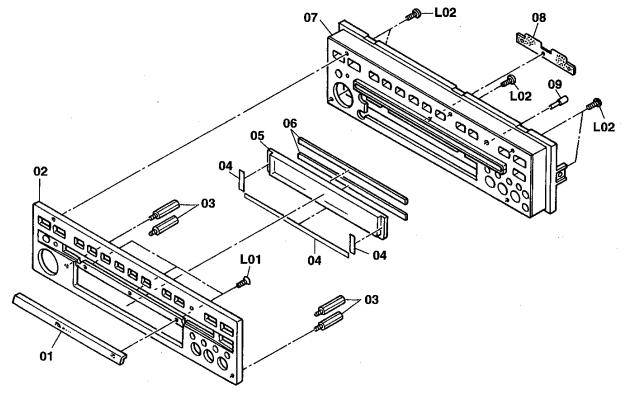
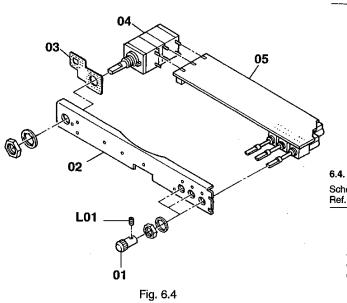


Fig. 6.3

6.4. Tone Ass'y (B02)

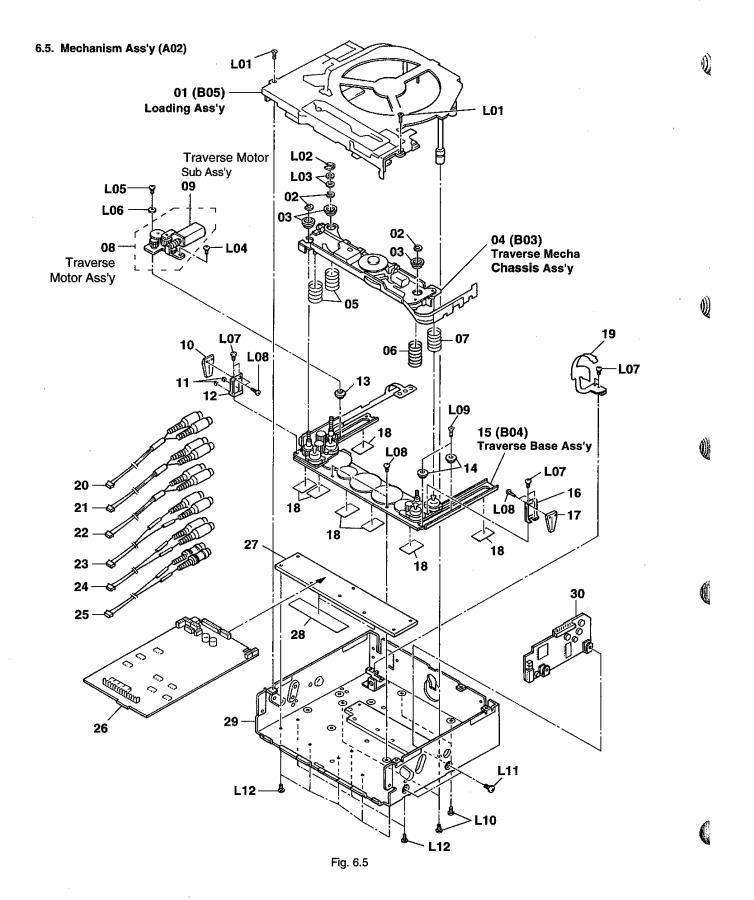


6.3. Front Panel Sub Ass'y (B01)

| | | - , (, | |
|-----------------------|----------|------------------------------|------|
| Schematic Ref. No. | Part No. | Description | Q'ty |
| B01 | _ | Front Panel Sub Ass'y | 1 |
| 01 | 0H08265A | Dress Plate | 1 |
| 02 | 0H08298A | Front Plate (Except JPN) | 1 |
| | 0H08264B | Front Plate (JPN) | 1 |
| 03 | 0J08300B | Volume Plate Stud | 4 |
| 04 | 0J08310A | W Face Display | 1 |
| 05 | 0H08284B | Display Window | 1 |
| 06 | 0J08334A | Cushion D Window | 2 |
| 07 | 0H08263A | Escutcheon | 1 |
| 08 | 0H08297A | CD Protector Sub | 1 |
| 09 | 0H08285A | Lens Security | 1 |
| L01 | 0E03648A | M2x5 + Countersunk #0 Type 1 | |
| L02 | 0E03261A | M2x5 + Pan #0 Type 3 (Black) | |

6.4. Tone Ass'y (B02)

| hematic f. No. | Part No. | Description | Q'ty |
|-------------------|----------|-------------------|------|
| B02 | _ | Tone Ass'y | 1 |
| 01 | 0H08283A | VR Knob Sub | 3 |
| 02 | 0J08299A | Volume Plate | 1 |
| 03 | 0J08311A | Conductor Sheet | 1 |
| 04 | 0B30216A | VR 20KAx4 [VR304] | 1 |
| 05 | BA09981A | Tone P.C.B. Ass'v | 1 |
| L01 | 0E04168A | M2x2.5 Headless | |
| | | | |

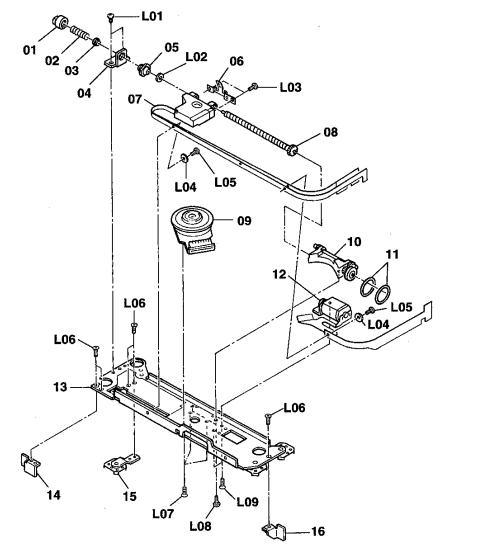


6.5. Mechanism Ass'y (A02)

in a submitted of the s

| Schematic | | · · · · | |
|-----------|----------------------|--|--------|
| Ref. No. | Part No. | Description | Q'ty |
| A02 | CA10174A | Mechanism Ass'y CD700 | 1 |
| | CA10161A | (Except JPN) Mechanism Ass'y CD700 (JPN) | 1 |
| | CAIVIOIA | Mechanishi Ass y CD100 (JPN) | • |
| 01 | CA10164A | Loading Ass'y | 1 |
| 02 | 0C20357A | Thrust Ring | 3 |
| 03 | 0C20170A | Lock Guide Top | 3 |
| 04 | CA10173A | Traverse Mecha Chassis Ass'y | 1 |
| 05 | 0C20393A | Damper Spring B | 2 |
| 06 | 0C20394B | Damper Spring C | 1 |
| 07 | 0C20392B | Damper Spring A | 1 |
| 08 | CA10168A | Traverse Motor Ass'y | 1 |
| 09 | CA10177A | Traverse Motor Sub Ass'y | 1 |
| 10 | 0C20376A | Guide PL L | 1 |
| 11 | 0C20486A | Guide Spring Sheet | 2 |
| 12 | 0C20374A | Guide Spring L | 1 |
| 13 | 0C20497A | Traverse Base Collar Z | 1 |
| 14 | 0C20496A | Traverse Base Collar Y | 2 |
| 15 | CA10163A | Traverse Base Ass'y | 1 |
| 16 | 0C20372A | Guide Spring 2 | 1 |
| 17 | 0C20375A | Guide PL | 1 |
| 18 | 0C20518A | Traverse Base Sheet | 7 |
| 19 | BA10031A | FPC Ass'y | 1 |
| 20 | 0B85251A | | |
| 21 | 0B85252A | RCA Ass'y CDC | 1 |
| 22 | 0B85255A | | 1 1 |
| | 0B85253A | RCA Ass'y L-OUT | 1 |
| 24 | 0B85254A | | 1 |
| 25 | 0B85256A | RCA Ass'y D. IN Pre P.C.B. Ass'y (Except JPN) | 1 |
| 26 | BA10057A | Pre P.C.B. Ass'y (JPN) | ÷ |
| 07 | BA09979A | Plate S A | 1 |
| 27 28 | 0C20499A 0C20520A | | 2 |
| 29 | CA10162A | | 2 1 |
| 30 | BA09983A | | i |
| L01 | 0E03499A | M2x2 Countersunk #0 Type 1 (Black) | • |
| LO2 | 0E04120A | C-Ring | |
| L02 | 0E04124A | Washer 2.6x5x0.5 | |
| L03 | 0E04163A | BT2x3 + Pan | |
| L05 | 0E04169A | | |
| L05 | 0E00117A | | |
| L07 | | M1.7x1.6 + Pan #0 Type 1 (Black) | |
| L08 | 0E04060A | BT1.4x2 + Pan #0 Type 1 (Black) | |
| L09 | 0E04099A | | |
| L10 | 0E00919A | M1.7x2 + Pan #0 Type 1 (Black) | |
| LII | 0E04076A | M2.6x3 + Pan #0 Type 1 (Black) | |
| L12 | 0E04095A | BT2x3.5 + Coutersunk #0 Type 1 | |
| | | (Black) | |
| | | | |
| | | | |

6.6. Traverse Mecha Chassis Ass'y (B03)



Ø

Ŵ

Ó

C

q

Q'ty

Q'ty 1

1

Fig. 6.6

6.6. Traverse Mecha Chassis Ass'y (B03)

| Schematic Ref. No. | Part No. | Description | Q'ty | Schematic Ref. No. | Part No. | Description |
|-----------------------|----------|----------------------------------|------|--------------------------------|----------|---|
| B03 | CA10173A | Traverse Mecha Chassis Ass'y | 1 | L06 | 0E04079A | M1.7x2 + Countersunk #0 Type 1 (Black) |
| 01 | 0C20181B | Thrust Cap | 1 | L07 | 0E03783A | M1.7x1.8 #0 Type 1 (Black) |
| 02 | 0C20183A | Thrust Spring | 1 | L08 | 0E04093A | BT2x2.8 + Countersunk #0 Type 1 |
| 03 | 0C20182A | Thrust Washer | 1 | | | (Black) |
| 04 | 0C20179B | Thrust Bracket | 1 | L09 | 0E04129A | M2x1.8 + Countersunk #0 Type 1 |
| 05 | 0C20180A | Thrust Body | 1 | | | (Black) |
| 06 | 0C20448E | Pick up Feed Spring | 1 | | | |
| 07 | 0B90789B | Pickup KSS602A | 1 | | | |
| 08 | CA10155A | | 1 | 6.7. Traverse Base Ass'y (B04) | | |
| 09 | CA10152A | | 1 | Schematic | | |
| 10 | CA10154A | Drive Shaft Guide Ass'y | 1 | Ref. No. | Part No. | Description |
| 11 | 0C20483A | Sled Belt | 2 | | | · · · · · · · · · · · · · · · · · |
| 12 | CA10156A | | 1 | B04 | CA10163A | Traverse Base Ass'y |
| 13 | | Traverse Mecha Chassis Sub Ass'y | 1 | | | |
| 14 | 0C20368B | | 1 | 01 | 0C20362B | Stocker Clutch Cam |
| 15 | CG10114B | Damper Plate L Sub Ass'y | 1 | 02 | BA09875A | Traverse Base FPC Ass'y |
| 16 | 0C20369C | Vertical Guide R | 1 | 03 | 0C20172B | Traverse Move WPG |
| L01 | 0E04064A | M1.4x1.4 + Pan #0 Type 1 (Black) | | 04 | 0C20173B | Traverse Move PG |
| L02 | 0E04091A | Cut Washer 1.6x3.5x0.5 | | 05 | 0C20441B | Traverse Move PG Spring |
| L03 | 0E04067A | M1.7x1.6 + Pan #0 Type 1 (Black) | | 06 | 0C20502A | Lock Guide Gear |
| L04 | 0E03245A | Plastic Washer 1.3x3.3x0.3 | | 07 | CG10170A | L Guide Piate L Sub Ass'y |
| L05 | 0E04049A | M1x1.5 + Pan #0 Type 1 (Black) | | 08 | 0C20163A | Traverse Damper |

6.7. Traverse Base Ass'y (B04)

¢'

13

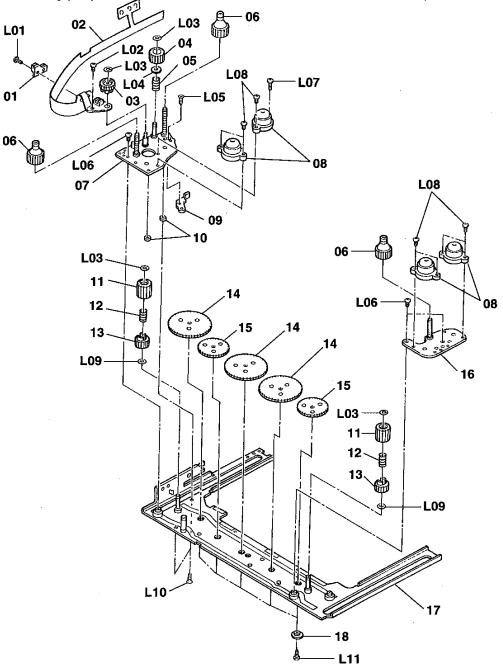
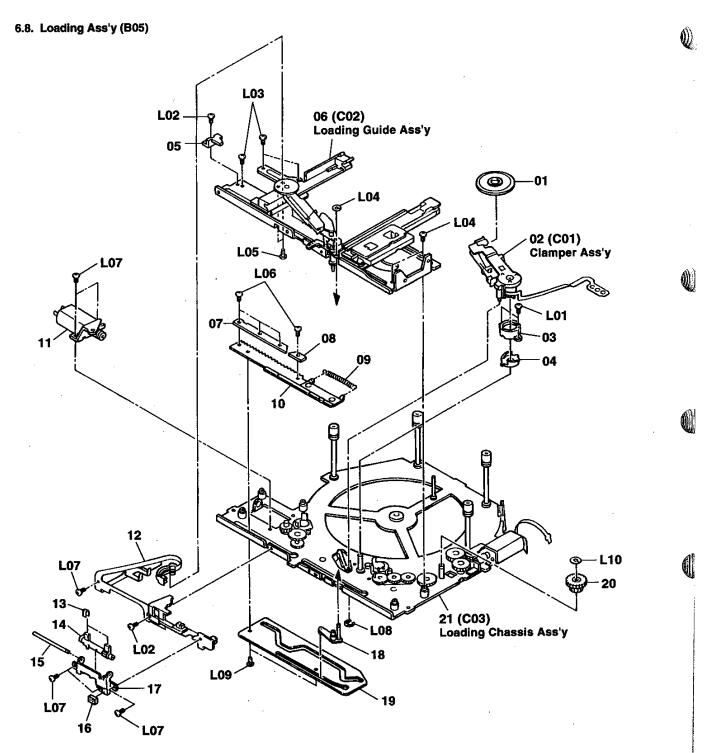


Fig. 6.7

| Schematic Ref. No. | Part No. | Description | Q'ty_ | Schematic Ref. No. | Part No. | Description | Q'ty |
|-----------------------|----------|---------------------------------|-------|-----------------------|----------|-----------------------------------|------|
| 09 | 0C20317B | P Plate Sensor Block | 1 | L04 | 0E03235A | Washer 2x5x0.25 | |
| 10 | 0C20176A | Lock Plate Spacer B | . 2 | L05 | 0E04077A | BT1.7x2.2 + Coutersunk #0 Type 1 | |
| 11 | 0C20171B | Traverse Move Gear | 2 | | | (Black) | |
| 12 | 0C20442B | Traverse Move Gear Spring | 2 | L06 | 0E03243A | M2x2.5 + Pan #0 Type 3 | |
| 13 | 0C20380A | Traverse Move Gear A | 2 | L07 | 0E03943A | BT1.7x5 + Pan #0 Type 3 (Black) | |
| 14 | 0C20167B | Lock Gear L | 3 | L08 | 0E00887A | M1.7x4 + Pan #0 Type 3 (Black) | |
| 15 | 0C20168B | Lock Gear S | 2 | L09 | 0E04101A | Cut Washer 2.1x3.5x0.125 | |
| 16 | CG10171A | L Guide Plate R Sub Ass'y | 1 | L10 | 0E04082A | M2x3.5 + Countersunk #0 Type 1 | |
| 17 | CG10166B | Traverse Base Chassis Sub Ass'y | 1 | | | (Black) | |
| 18 | 0C20454A | Lock Gear Stopper | 5 | L11 | 0E04096A | BT1.7x1.6 + Pan #0 Type 1 (Black) | |
| L01 | 0E04074A | M2x2.2 + Pan #0 Type 1 (Black) | | | | •••••• | |
| L02 | 0E04072A | M2x1.8 + Pan #0 Type 1 (Black) | | | | | |
| L03 | 0E04087A | Cut Washer 1.6x3.5x0.125 | | | | | |





6.9. Clamper Ass'y (C01)

I.

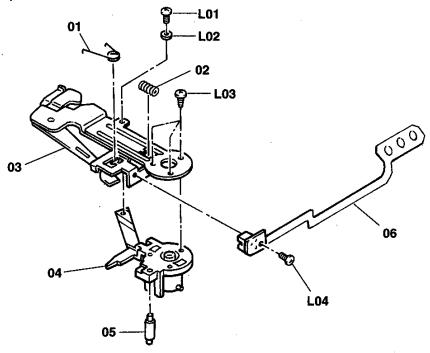


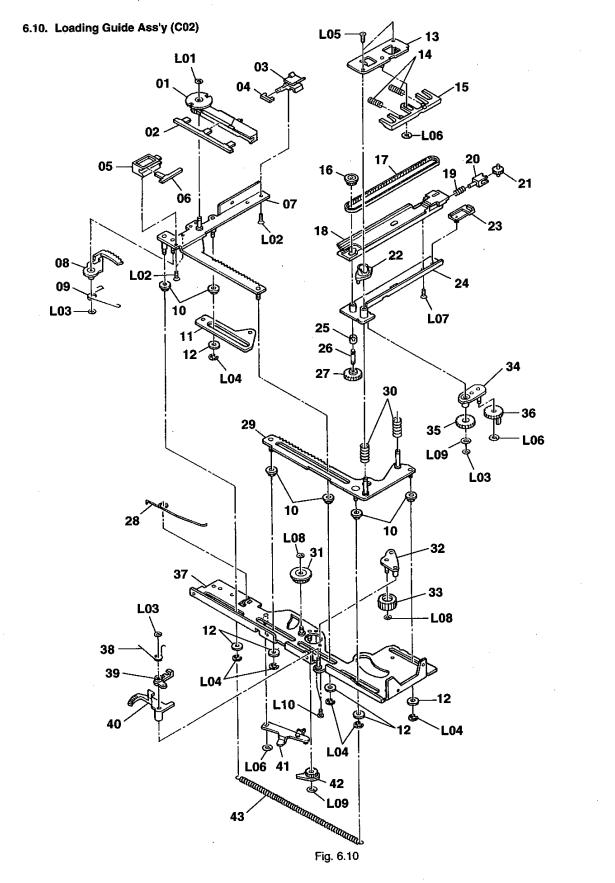
Fig. 6.9

6.8. Loading Ass'y (B05)

| Dahamatia | ,, (200 | , | |
|-----------------------|----------|----------------------------------|-------------|
| Schematic Ref. No. | Part No. | Description | Q'ty |
| B05 | CA10164A | Loading Ass'y | 1 |
| 01 | | Clamp Plate Sub Ass'y | 1 |
| 02 | CA10106A | | 1 |
| 03 | 0C20429A | | 1 |
| 04 | 0C20428A | | 1 |
| 05 | 0C20378E | P Arm Guide | 1 |
| 06 | | Loading Guide Ass'y | 1 |
| 07 | 0C20350D | | 1 |
| 08 | 0C20349B | | 1 |
| 09 | 0C20293B | | 1 |
| 10 | | Rack Loading Carn Sub Ass'y | 1 |
| 11 | CA10150A | | 1 |
| 12 | BA09870A | | 1 |
| 13 | 0C10255A | | 2 1 1 |
| 14 | 0C20268B | | 1 |
| 15 | | Shut Arm Shaft | |
| 16 | | Panel Spacer | 1 |
| 17 | | Shut Arm Plate | |
| 18 | | Plate PLS Sub Ass'y | 1 |
| 19 | 0C20401C | Loading Cam Plate | 1 |
| 20 | 0C20218A | | 1 |
| 21 | — | Loading Chassis Ass'y | 1 |
| L01 | 0E04066A | M1.4x1.8 + Pan 0# type 1 (Black) | |
| L02 | 0E04099A | M2x2.5 + Pan #0 Type 1 | |
| L03 | 0E00922A | M2x3 + Pan #0 Type 3 (Black) | |
| £04 | 0E04086A | | |
| L05 | 0E04061A | | |
| L06 | 0E04064A | | |
| L07 | 0E04072A | M2x1.8 + Pan #0 Type 1 (Black) | |
| L08 | 0E00165A | | |
| L09 | 0E03215A | | |
| L10 | 0E04089A | Cut Washer 2.1x5x0.125 | |
| | | | |

6.9. Clamper Ass'y (C01)

| Schematic Ref. No. | Part No. | Description | Q'ty |
|-----------------------|----------|---------------------------------|------|
| C01 | CA10106A | Clamper Ass'y | 1 |
| 01 | 0C20439B | Clamp Lock Spring | 1 |
| 02 | 0C20440B | Clamp Arm Spring | 1 |
| 03 | CG10141C | Clamp Arm Sub Ass'y | . 1 |
| 04 | 0C20430D | Clamp Cam M | 1 |
| 05 | 0C20431A | Shaft LC | 1 |
| 06 | BA09874A | Clamp FPC Ass'y | 1 |
| L01 | 0E04049A | M1x1.5 + Pan #0 Type 1 (Black) | |
| L02 | 0E04115A | Washer 1.1x2.5x0.2 | |
| L03 | 0E04127A | 1.4x2.2 + Pan #0 Type 1 | |
| L04 | 0E04064A | M1.4x1.4+ Pan #0 Type 1 (Black) | • |



· .''

Ø.

Ø

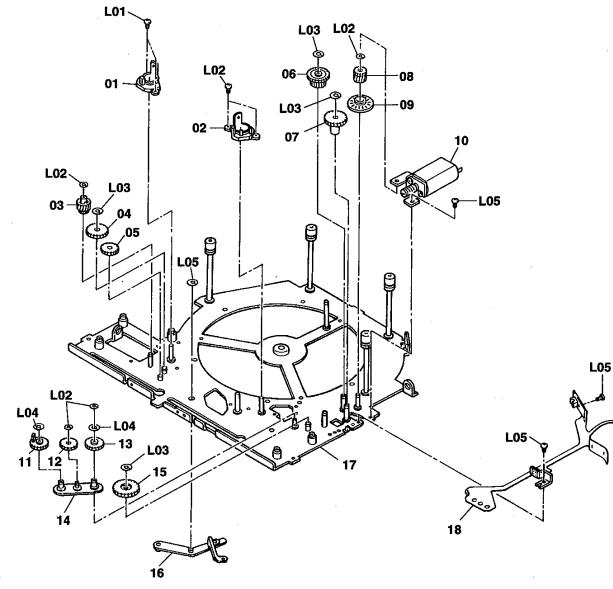
6.10. Loading Guide Ass'y (C02)

ter an

)

| Schematic Ref. No. | Part No. | Description | 0 |
|-----------------------|----------|--|-----|
| C02 | | | Qty |
| 002 | — | Loading Guide Ass'y | 1 |
| 01 | 0C20416E | Loading Guide R B | 1 |
| 02 | 0C20420C | | i |
| 03 | 0C20417C | Loading Guide R C | 1 |
| 04 | 0C20421B | | i |
| 05 | 0C20415B | Loading Guide R A | 1 |
| 06 | 0C20419C | Guide Řubber D A | 1 |
| 07 | CG10119B | Loading Plate R Sub Ass'y | 1 |
| 08 | 0C20273C | | 1 |
| 09 | 0C20422B | | 1 |
| 10 | 0C20237C | | 6 |
| 11 | 0C20402A | | 1 |
| 12 | 0C20284A | | 6 |
| 13 | CG10118A | | 1 |
| 14 | 0C20240B | | 2 |
| 15 | 0C20239E | Cam Wedge | 1 |
| 16 | 0C20250A | | 1 |
| 17 | 0C20249A | | 1 |
| 18 | 0C20245E | Loading Guide L | 1 |
| 19 | 0C20414A | · · ·································· | 1 |
| 20 | 0C20247A | Pulley Fork P | 1 |
| 21 | 0C20246A | Timing Pulley P | 1 |
| 22 | 0C20252C | Wedge Sleeve | 1 |
| 23 | 0C20413A | Guide L Sub | 1 |
| 24 25 | CG10121D | Loading LM Plate Sub Ass'y | 1 |
| 25 26 | 0C20283A | | 1 |
| | 0C20251A | J | 1 |
| 27 28 | 0C20253A | Timing Drive Gear | 1 |
| 29 | 0C20423B | Pre Load Spring | 1 |
| 30 | 0C20359B | Loading Plate STC Sub Ass'y | 1 |
| 31 | 0C20333B | | 2 |
| 32 | | Gear Cen Plate Sub Ass'y | 1 |
| 33 | 0C20233A | Gear L SEN L | 1 |
| 34 | CG10123C | TI Arm S Plate Sub Ass'y | 1 |
| 35 | 0C20254A | Timing Idle Gear | 1 |
| 36 | 0C20263A | Timing AM R Gear | 1 |
| 37 | | Loading Guide Plate Sub Ass'y | ł |
| 38 | 0C20427B | Shut Arm Spring | 1 |
| 39 | 0C20403B | | i |
| 40 | 0C20267E | Shut Arm Rack | i |
| 41 | 0C20212D | Pre Lord Arm | i |
| 42 | 0C20371B | Pre Load Gear | i |
| 43 | 0C20294B | Bias Spring | i |
| L01 | 0E04126A | Cut Washer 1.6x3.5x0.2 | • |
| L02 | 0E04078A | BT2x2.5+ Countersunk #0 Type 1 | |
| | | (Black) | |
| L03 | 0E04086A | Cut Washer 1.2x3x0.125 | |
| L04 | 0E00042A | E-Ring 1.5mm | |
| L05 | 0E04073A | M2x2 + Pan #0 Type 1 (Black) | |
| L06 | 0E04089A | Cut Washer 2.1x5x0.125 | |
| L07 | 0E03447A | BT2x3 + Countersunk #0 Type 1 | |
| | | (Black) | |
| L08 | 0E04087A | Cut Washer 1.6x3.5x0.125 | |
| L09 | 0E04090A | Cut Washer 2.6x5x0.125 | |
| L10 | 0E00919A | M1.7x2 + Pan #0 Type 1 (Black) | |
| | | · · | |

6.11. Loading Chassis Ass'y (C03)



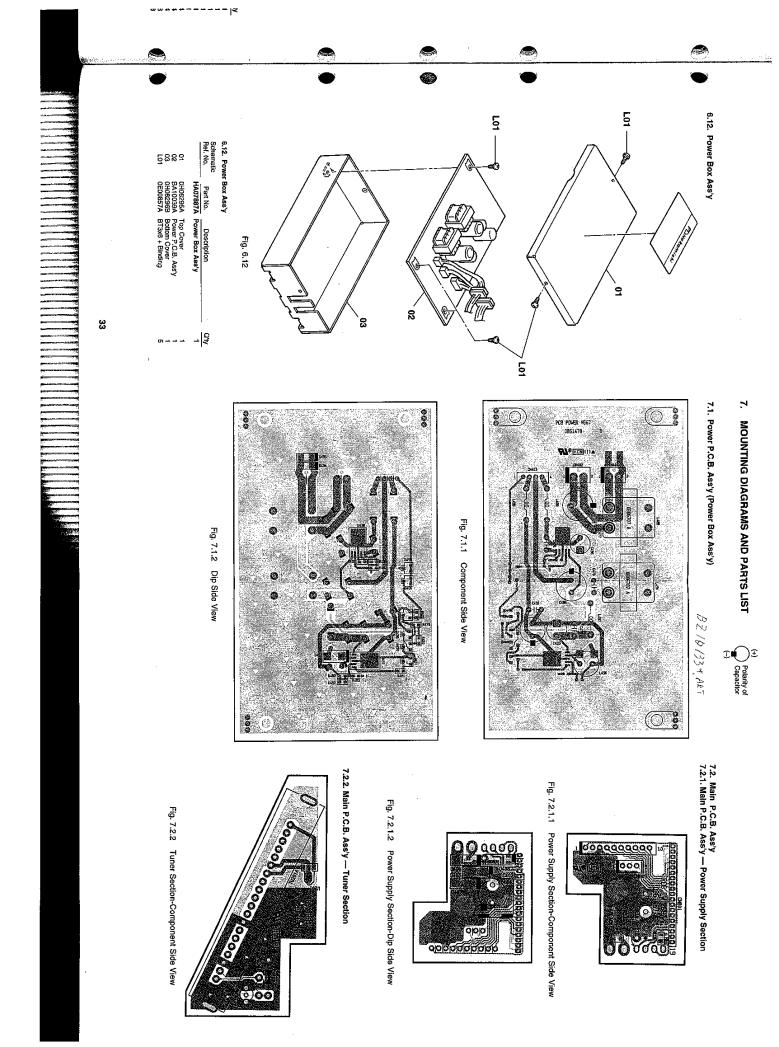
Ø

a

Fig. 6.11

6.11. Loading Chassis Ass'y (C03)

| Schematic Ref. No. | Part No. | Description | Q'ty | Schematic Ref. No. | Part No. | Description | Q'ty_ |
|-----------------------|----------|-----------------------|------|-----------------------|----------|-----------------------------------|-------|
| C03 | | Loading Chassis Ass'v | 1 | 13 | 0C20262A | Timing AM Gear | 1 |
| | | ; | | 14 | CG10124B | TI Arm Plate Sub Ass'y | 1 |
| 01 | 0C20407A | Disc L Carn R | 1 | 15 | 0C20222A | Gear TBL 3 | 1 |
| 02 | 0C20406A | Disc L Cam | 1 | 16 | CG10125A | Link Clamper B Sub Ass'y | 1 |
| 03 | 0C20225B | Worm Wheel Loading | 1 | 17 | CA10165A | Loading Stocker Chassis Sub Ass'y | 1 |
| 04 | 0C20226B | Loading Cam Gear S | 1 | 18 | BA10032Z | Stocker FPC Ass'y | 1 |
| 05 | 0C20227F | LDC P Gear | 1 | L01 | 0E04130A | M1.4x2.2 + Pan #0 Type 1 (Black) | 4 |
| 06 | 0C20216A | Gear STDL 1 | 1 | L02 | 0E04087A | Cut Washer 1.6x3.5x0.125 | 4 |
| 07 | 0C20217A | Gear TBL 1 | 1 | L03 | 0E04089A | Cut Washer 2.1x5x0.125 | 4 |
| 08 | 0C20214A | Worm Wheel STL | 1 | L04 | 0E04090A | Cut Washer 2.6x5x0.125 | 3 |
| 09 | 0C20215A | Gear PULS Gw | 1 | L05 | 0E04072A | M2x1.8 + Pan #0 Type 1 (Black) | 3 |
| 10 | CA10151A | W FF Motor Ass'y | 1 | | | | |
| 11 | 0C20264A | Timing AM R2 Gear | 1 | | | | |
| 12 | 0C20265A | Link Timing I Gear | 1 | | | | |



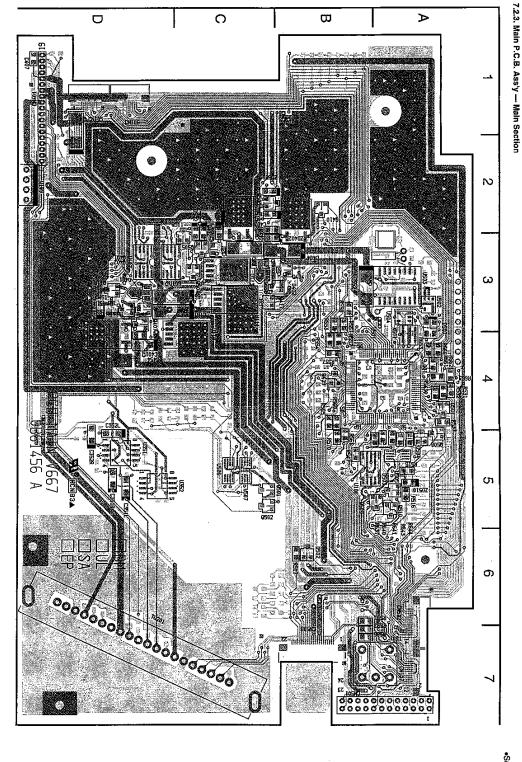
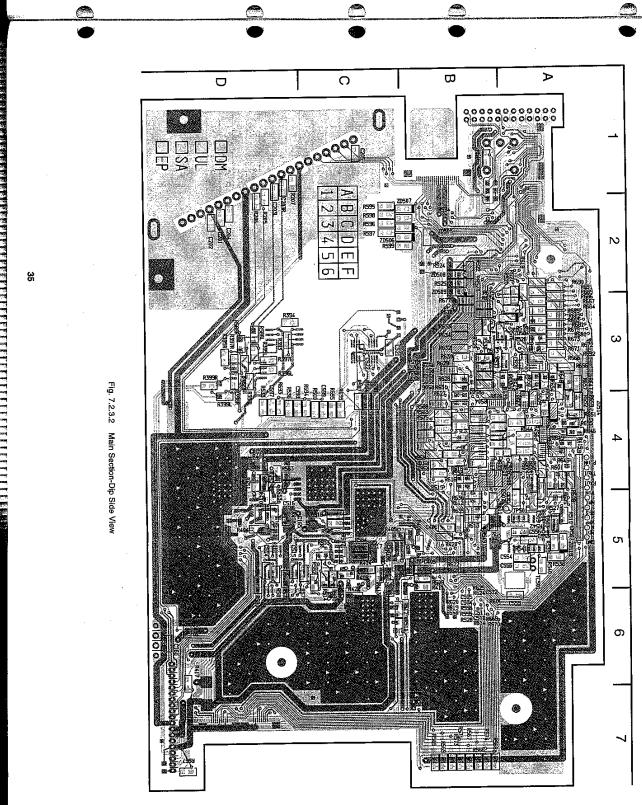


Fig. 7.2.3.1 Main Section-Component Side View

 Semiconductor Locatio U106 Ref. No. | Location Q418 Q408 Q407 Q405 Q404 ZD510 D401 ZD501 ZD502 ZD403 Q511 ZD401 0508 Q502 Q501 Q417 0412 Q409 ZD402 0510 Q509 Q505 D504 **Q5**03 24 Q410 0403 0402 D401 U507 U505 U502 501 U352 U351 U113 1906 J503 6010 50 0503 ទួ ទី និ 2 2 2 ទួ ទួ ខ្លួ ıŞ, 8-2 <u>چ</u> 2 83 Ċ ک **A**-3 ₹ ç с⁵ 03 Q N 0 2 B-4 23 ß ŝ A-5 A-3 222 C'S 昂 문 02 ₽.5 A-5 A-5 ß ĉ R ဂ္ဂ 82 ទួ 12

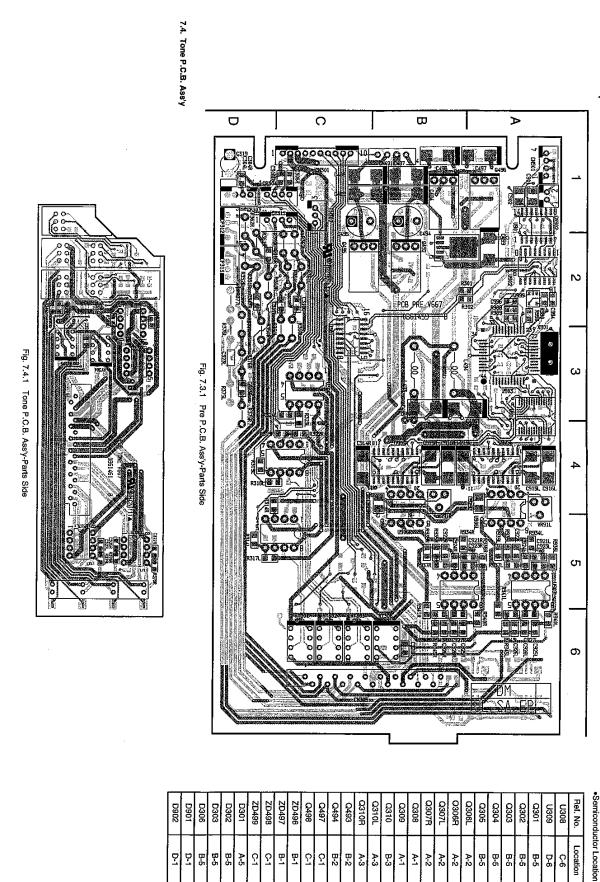
¥

-



| ZD518 | ZD:509 | ZD508 | ZD:507 | ZD:506 | ZD505 | ZD504 | Ref. No. | Semicondu |
|-------|--------|-------|--------|--------|-------|-------|----------|-------------------------------|
| A-8 | 8-2 | B-2 | B-2 | B-2 | 8-2 | A-3 | Location | Semiconductor Location |

~



A-5

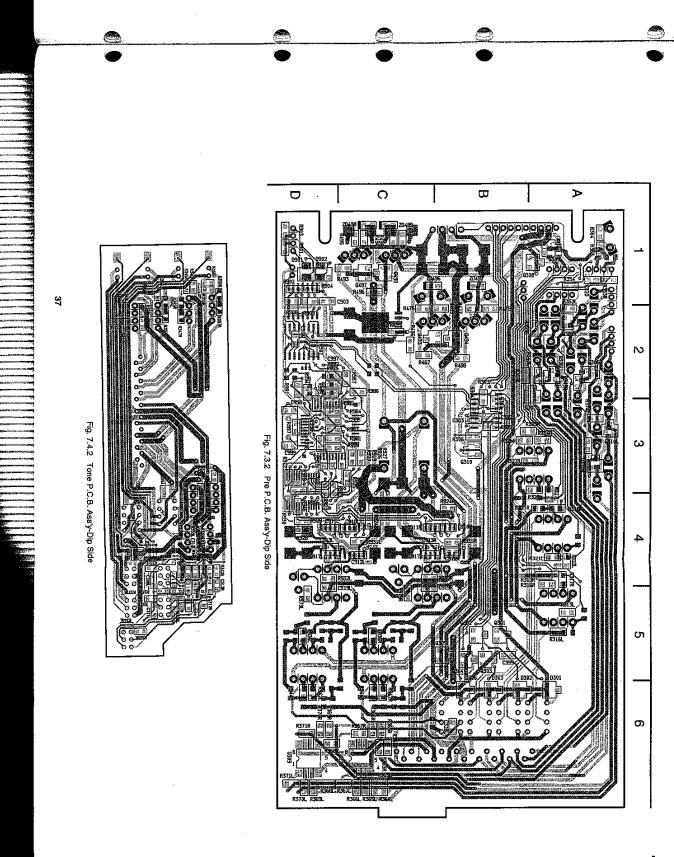
A-3

B-3

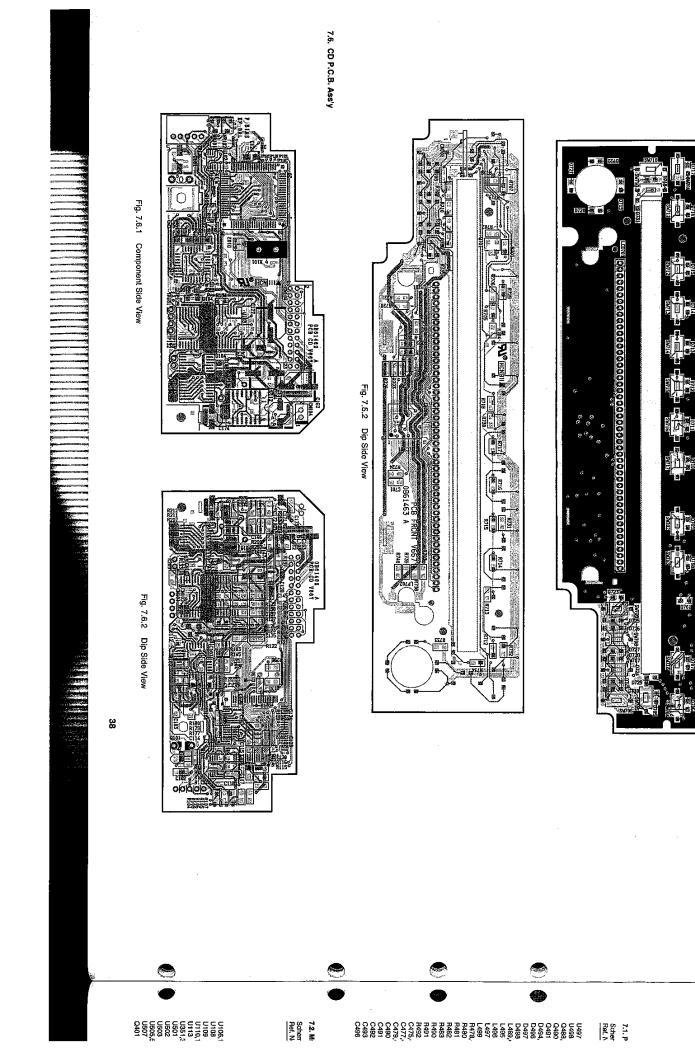
36

7.3. Pre P.C.B. Ass'y

0-0



| 4.00 | 0499 | Q496 | Q495 | Q492 | 666N | U907R | U907L | H906R | U906L | U905R | U905L | U904 | E06N | U902 | U901 | U499 | U304 | U303 | U302 | U301 | Ref. No. | Semiconductor |
|------|--------|------|------|------|------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|----------|---------------|
| - | - - | A-1 | C-2 | B-2 | A-2 | A-5 | A-5 | B-4 | A-4 . | B-4 | A-4 | A-3 | A-3 | A-2 | A-1 | B-2 | C-3 | C-4 | C-5 | C-2 | Location | tor Location |



7.5. Front P.C.B. Ass'y

NOT

NOTES: 1. Abbreviations

TR – Transistor, SID – Silicon Diode, ZD – Zener Diode, Varicap – Variable Capacitance Diode RK – Carbon Resistor, RM – Metal Film Resistor, RF – Fail Safe Type Resistor, RC – Cement Resistor CE – Electrolytic Capacitor, CML – Mylar Capacitor, CC – Ceramic Capacitor, CPP – PP Capacitor, CMM – Metalized Mylar Capacitor, CSP – Polystyrene Capacitor, C – Mica Capacitor, CT – Tantalum Capacitor

2. Description of capacitor: $10 \ 16V = 10\mu \ 16V$

3. Parts marked with* show chip parts.

| BA10039A Power P.C.B. Ass'y C403 0B10731A TR 2581132* P416 0B225557. U497 0B12782A IC PQ1CZ1T* Q405 0B10792A TR 25811820R* R418 0B22557. U498 0B12791A IC PQ20V21U* Q406 0B10957A TR 250231876/UV)* R420 0825587. U498 0B1052A TR DT0144EK* Q406 0B1002A TR 250231876/UV)* R453 082552. Q491 0B1052A TR D101441K* Q411 0B1092A TR 252031874* R453 0825525. Q496 0B1039A DM152WK* Q417.418 0B14167A TR 2520412K* R4465 0825567. Q497 0B12784A SID SPB-52V* Q501 0B14002A TR DT0144EK* R450 0825567. Q498 0B1039A S DM152WK* Q501 0B14002A TR DT144EK* R450 0825617. Q498 0B1313A <th>7A RK 330 1/ 5A RK 4.7K 1/ 7A RK 100K 1/ 7A RK 100K 1/ 7A RK 100K 1/</th> <th>0B25563A 0B25527A</th> <th></th> <th></th> <th>TR</th> <th>00140114</th> <th>0402</th> <th>Opposite</th> <th>^</th> <th></th> <th></th> | 7A RK 330 1/ 5A RK 4.7K 1/ 7A RK 100K 1/ 7A RK 100K 1/ 7A RK 100K 1/ | 0B25563A 0B25527A | | | TR | 00140114 | 0402 | Opposite | ^ | | | |
|--|--|----------------------|----------|--------------|---------|----------|----------|--|--------------------|------------|-----------------|--|
| DA100394 POWER F-L.B. ASS Y C404 DE14011A TR DTC114EK* F418 DB25587 U497 0B12781A IC PQ1(C211* C405 0B116792A TR 25511820A* F418 0B25587 0488 0B14013A TR DTC114EK* F419 0B25587 F420201210* 0409 0B10677A TR 2502318F5(U/V)* F422 0B25587 0449 0B10626A TR DTA114EK* C410 0K1003A TR 2502318F5(U/V)* F452 0B25563 0494 0B10658A SID M152WK* C417,418 0B14167A TR 2502412K* R4455 0B25637 0497 0B17278A D606707A Choke Coll TmH G502 0B141013A TR DTA114EK* R501.500 0B25557 1496 0B5183A Inductor 100uH G506 0B1411A TR DTC114EK* R504 0B25557 1497 0B51183A Inductor 100uH G500 0B14103A TR DTC114EK* < | 7A RK 330 1/ 5A RK 4.7K 1/ 7A RK 100K 1/ 7A RK 100K 1/ 7A RK 100K 1/ | | R416 | | | UD14011A | 0402 | Description | U . | Part No. | Her. No. | |
| U497 OB12782A IC PQ1C21T Q404 OB1401A IN D1C114EX H411 OB25587 U498 0B12791A IC PQ20V21U* Q407 0B14167A TR 2502316F3(U/Y) R420 0B25587 C480 0B14015A TR DTC144EK* Q409 0B14002A TR DTA114EK* R451 0B25587 C490 0B1400AA TR DTC144TK* Q411 0B10739A TR 25811820AP* R453 0B255539 D434,495 0B10539A SID MA152WK* Q411 0B14167A TR 25C2412K* R454 456 0B25557 D437 0B10539A SID MA152WK* Q501 0B14017A TR 25C2412K* R454 0502 0B25557 L489.490 0B6707A Chocke Coll ImH Q505 0B14117A TR 25C2412K* R504 0B25557 L489 0B51138A Inductor 100uH Q505 0B1411A TR DTC144EK* R504 | 'A RK 100K 1/ 'A RK 100K 1/ 'A RK 100K 1/ | | 11410 | 2SB1132* | TR | 0B10731A | | | ΔA | RATINIZ | | |
| UH98 0912/282 C PQ20/21/U C407 0814/167A TR 25/24/27C P422 082557 C488,489 0814013A TR DTA114EK* C409 0814003A TR 25/2316FS(U/V)* R422 082557 C480 0810662A TR DTA114EK* C409 0814003A TR 25/2316FS(U/V)* R452 0825557 C490 0810652A TR DTA114EK* R453 082557 C417/418 0814167A TR 25/2316FS(U/V)* R452 0825557 D496 0810538A SID MA152WK* Q417/418 0814167A TR 25/2412K* R456 0825647 D497 08511353A Inductor 100uH Q506 0814013A TR DTA114EK* R501.502 0825557 L496 0851135A Inductor 100uH Q506 08141013A TR DTC114EK* R504 0825567 L497 0851135A Inductor 100uH Q506 0814003A TR DTA114EK* R504 </td <td>'A RK 100K 1/ 'A RK 100K 1/</td> <td>0B25555A</td> <td>R417</td> <td>DTC114EK*</td> <td></td> <td></td> <td></td> <td>FOWER F.O.D. A33 y</td> <td>5.</td> <td>DATOUU</td> <td></td> | 'A RK 100K 1/ 'A RK 100K 1/ | 0B25555A | R417 | DTC114EK* | | | | FOWER F.O.D. A33 y | 5. | DATOUU | | |
| U498 0B12781A IC P2202V21U* C400 0B14167A TH 2SD2318F5(UV) H420 0B25587. C489.069 0B14004A TR DTC144EK* Q409 0B14002A TR DTA144EK* R451 0B25587. C490 0B16052A TR DTC144EK* Q410 OK10030A TR ZSA1036K* R453 0B25525. D494.065 0B10539A SID MA152WK* Q417.418 0B14167A TR 2SC2412K* R456 0B25567. D497 0B10539A SID MA152WK* Q501 0B14002A TR 2SC2412K* R456 0B25657. D497 0B51363A C01100uH Q503 0B14013A TR DTC144EK* R501.502 0B25657. L496 0B51363A C01100uH Q509 0B14013A TR DTC144EK* R501.502 0B25657. L497 0B51363A C01100uH Q509 0B14013A TR DTC144EK* R501.502 0B25567.7 | 'A RK 100K 1/ | 0B25587A | | | | | | IC PO1CZ1T* | 24 | 0B12782A | U497 | |
| C488,489 0B14013A TR DTC144EK* C409 0B10957A TH 2SD236K* R422 0B25557 C490 0B10652A TR DTC144TK* C410 0K10030A TR 2SB1182CR* R451 0B255530 D494,495 0B10539A SD MA152WK* C411 0B10792A TR 2SSC112K* R454,455 0B255637 D496 0B10539A SD MA152WK* C411 0B14167A TR 2SSC2412K* R454,455 0B255637 D498 0B10539A SD MA152WK* C501 0B14167A TR 2SSC2412K* R500 0B255612 D498 0B5183A Inductor 100uH C502 0B14167A TR 2SC2412K* R504 0B25557 L497 0B51183A Inductor 100uH C506 0B14167A TR 2SC2412K* R504 0B25557 R478,479 0B25587A RK 100K 110W J* C511 0K1002A TR DTC144EK* 0B255154 <t< td=""><td></td><td>0B25587A</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<> | | 0B25587A | | | | | | | | | | |
| C490 0B14002A TH DTA144EK C400 OB14002A TH DTA144EK PH451 0B25553 C491 0B10552A TR DT3144EK PA51 0B25539 PB25525 D434,495 0B10538A SD MA152WK Q411 0B10792A TR 2S31036K PA53 0B25525 D497 0B12784A SD SFPB-S2V* Q501 0B14002A TR DT3114EK PA56 0B255163 D498 0B06707A Choke Coil InnH Q503,504 0B14013A TR DTC114EK R503 0B25612 L496 0B51183A Inductor 100uH Q506 0B14013A TR DTC114EK R504 0B255674 L497 0B51183A Inductor 100uH Q509 0B14002A TR DTC114EK R507,508 0B255674 R473,479 0B5183A Inductor 100uH Q509 0B10478A ZD DP5,1UIN-T1* R507,508 0B255674 R430 0B255637A FK 100K | A DK 10K 1/ | 0B25587A | | | | | | | | | | |
| C491 0B10652A TR DTC144Tr C410 0K10030A TR 2581182CR* R452 0B25539 D494,495 0B1046A D SN104AA D SN114AA R454,455 0B255637 D497 0B1278A SID MA152VIK* Q411 0B14167A TR 2SC2412K* R454,455 0B25567 D498 0B10539A SID MA152VIK* Q501 0B14002A TR DTC114EK* R500 0B25617 J489 0B06707A Chole Coll ImH Q508 0B14167A TR 2SC2412K* R500 0B25617 J470 0B51183A Inductor 100uH Q506 0B14167A TR 2SC2412K* R504 0B25657A J478,479 0B51183A Inductor 100uH Q509 0B14002A TR DTC144EK* 0B25657A J478,479 0B55183A Inductor 100uH Q501 0B10402A TR DTC144EK* 0B255674 J478,470 0B25587A FK 10K 1/10W U* | | 0B25563A | | | | | | | | | | |
| D494.495 0810940A D 1581154-400* 0411 0810102/24 1H 228118/201* R453 0825523 D496 0810539A SID MA152/WK* Q412 0814167A TR 2252412/K* R454 60225617/ D498 0810539A SID MA152/WK* Q501 081407A TR 2522412/K* R466 0825567/ D498 0810539A SID MA152/WK* Q502 0814013A TR DTC114E/K* R503 0825557/ L489 0851183A Inductor 100uH Q506 0814013A TR DTC144E/K* R504 0825557/ L497 0851183A Inductor 100uH Q509 0814017A TR 252412/K* R505,506 0825547/ R480 0825557A RK 100K 1/10W J* Z0402 081042A D D15,4UJN2* R505 0825547/ R481 0821370A RM 1.1 K 1/10W J* Z0402 0810482A D D56,500 082 | | 0B25539A | | | | | | | | | | |
| D496 0610539A SID MA152WK* 0412 0614167A TH 2502412K* P484,455 06225637 D497 0612734A SID SID MA152WK* Q501 061407A TR 2502412K* P486 06225617 D498 0610539A SID MA152WK* Q501 0614017A TR 2502412K* P500 06225617 L489 0651133A Inductor 100uH Q506 0614011A TR DTC114EK* P504 0625557 L497 0651133A Inductor 100uH Q509 0614013A TR DTC114EK* 06255127 R478,479 0625587A RK 100K 1/10W J* C511 0K1002A TR 2507,506 0625547 R481 0625587A RK 100K 1/10W J* Z0401 0810487A D R051.1UN2*T R510 0625547 R481 0621370A RM 1.1K 1/10W D* Z0403 0810482A D R051.1UN2*T R511 | | | | | | | | | | | | |
| Days DB1/2184A SID SID ASID S225 CS01 DB1/032A TR DTC144EK* R500 DB25563/ L489,490 DB1053BA Choke Coil 1mH CS02 DB14013A TR DTC144EK* R501,502 DB25563/ L496 DB51183A Inductor 100uH CS03 DB14167A TR 2SC2412K* R504 DB25567/ L497 DB51183A Inductor 100uH CS09 DB14167A TR 2SC2412K* DB25612/ L499 DB51183A Inductor 100uH CS09 DB14167A TR 2SC2412K* DB25612/ L499 DB51183A Inductor 100uH CS09 DB14167A TR 2SC2412K* DB25612/ L497 DB25637A RK 100K /100W J* ZD401 DB10478A ZD RD1//UNI/1* R505.506 DB25587/ R481 DB21391A RM 1.1K /10W D* ZD402 DB10482A ZD RD51UN2*T* R511 DB25579/ R490 DB213 | | | | | | | | | | | D496 | |
| Dags Dis IDS 39A SID MA152WK* OS02 OB14013A TR DTC144EK* R501,502 OB25563 L489,490 OB51363A Coloce Coli 100uH G503,504 OB1411A TR DTC144EK* R503 0B25563 L496 OB51363A Coli 100uH G503 OB14011A TR DTC144EK* R504 0B25567 L497 OB51183A Inductor 100uH G509 OB14013A TR DTC144EK* 0B25567 L499 OB51183A Inductor 100uH G509 OB14013A TR DTC144EK* 0B25567 R478,479 OB25587A RK 100K 1/10W J* ZD401 0B10478A ZD RD5,7508 0B25587A R481 OB25587A RK 10K 1/10W D* ZD402 0B10482A ZD RD5,1UN2*1* R510 0B25587A R483 OB21370A RM 1.1K 1/10W D* ZD503 OB10482A ZD RD5,1UN2*1* R511 0B25587A R490 | | | | | | | | SID SFPB-52V* | 4A | 0B12784A | D497 | |
| L4295 OBD0/OTA Choke Coli Imit OBD3/S04 ODD3/S04 OBD3/S04 OD3/S04 OBD3/S04 OD3/S04 OD3/S04 OD3/S04 OD3/S04 OD3/S04 OD3/S04 OD3/S04 OD3/S04 <tho3 s04<="" th=""> <tho3 s04<="" th=""> <tho3 s04<<="" td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>SID MA152WK*</td><td>9A</td><td>0B10539A</td><td></td></tho3></tho3></tho3> | | | | | | | | SID MA152WK* | 9A | 0B10539A | | |
| Lass OBS1163A Inductor 100uH Q505 OB14011A TR DTC114EK* R504 OB25557 L497 0B51183A Inductor 100uH Q506 0B14013A TR DTC114EK* 0B25612/ L497 0B51183A Inductor 100uH Q509 0B14002A TR DTC114EK* 0B25612/ R478,479 0B25587A RK 100k1 1/10W J* ZD401 0B10478A ZD R505,506 0B255877 R480 0B25587A RK 100K 1/10W J* ZD401 0B10478A ZD R505,506 0B255674 R481 0B21391A RM 8,2K 1/10W D* ZD501,502 0B10486A ZD RD5,1UJN2-T1* R511 0B255674 R491 0B21391A RM 8,2K 1/10W D* ZD504,505 0B10482A ZD RD5,1UJN2-T1* R513 0B255674 R491 0B21391A RM 8,2K 1/10W D* ZD504,505 0B10482A ZD RD5,1UJN2-T1* R513 0B255574 | | | | | | | | Choke Coil 1mH | 7A | 0B06707A | | |
| Lass OBS1183A Colin 100uFl QS08 OB14167A TR 25C2412K* Colin 100uFl OB25612J L497 0B51183A Inductor 100uFl QS09 0B1403A TR DTC144EK* 0B25612J R478,479 0B25587A RK 100K 1/10W J* QS11 OB14002A TR DTC144EK* 0B256517J R480 0B25587A RK 100K 1/10W J* ZD401 0B10482A ZD RD5.1UJN-T1* R507.508 0B255877 R481 0B21390A RM 1.1K 1/10W D* ZD501.502 0B10482A ZD RD5.1UJN2-T1* R511 0B255877 R490 0B21390A RM 1.1K 1/10W D* ZD503 0B10960A ZD RD5.1UJN2-T1* R511 0B255877 R491 0B21391A RM 8.2K 1/10W D* ZD504.509 0B10482A ZD RD5.1UJN2-T1* R514 0B255877 R492 0B226877 RK 100K 1/10W J* ZD506.509 0B10482A <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>Inductor 100uH</td><td>3A</td><td>0B51183A</td><td></td></td<> | | | | | | | | Inductor 100uH | 3A | 0B51183A | | |
| Lagy Obs1183A Inductor 100uH Q509 OB14002A TR DTC144EK* OB25612J R478,479 0825587A RK 100K 1/10W J* Q511 OK10030A TR DTA114EK* 0825587A RK 100K 1/10W J* Q511 OK10030A TR DTA114EK* R505,506 0825547A R480 0825587A RK 100K 1/10W J* ZD401 0810478A ZD RD5.1UJN2* R509 0825587A R481 0821370A RM 1.1K 1/10W D* ZD501,502 0810482A ZD RD5.1UJN2* R511 0825587A R490 0821370A RM 1.1K 1/10W D* ZD504,505 0810482A ZD RD5.1UJN2*T1* R513 0825587A R491 0821370A RK 100K 1/10W J* ZD504,505 0810482A ZD RD5.1UJN2*T1* R513 0825579A R492 0841298A CML 0.1 50V J ZD506,507 0B10482A ZD RD5.1UJN2*T1* R516 <td></td> <td>0B25555A</td> <td>H504</td> <td></td> <td></td> <td></td> <td></td> <td>Coil 100uH</td> <td>3A</td> <td>0B51363A</td> <td></td> | | 0B25555A | H504 | | | | | Coil 100uH | 3A | 0B51363A | | |
| Lags DBS1183A Inductor 1000H G510 OB14002A TR DTA114EK* R050,506 DE2587A R478,479 OB25587A RK 100K 1/10W J* ZD402 OB14002A TR DZ5A17A R505,506 DE25547/ R481 0B25587A RK 10K 1/10W J* ZD402 OB10485A ZD RD5.1UJN2* R509 OB25587A R481 0B21370A RM 1.1K 1/10W D* ZD402 OB10482A ZD RD5.1UJN2* R511 OB25587A R490 0B21370A RM 1.1K 1/10W D* ZD503 OB10482A ZD RD5.1UJN2*11* R511 OB25587A R491 0B21370A RM 1.2K 1/10W D* ZD504,505 OB10482A ZD RD5.1UJN2*1* R512 OB25587A R492 0B25874 RK 100K 1/10W J* ZD506,507 OB10482A ZD RD5.1UJN2*1* R516 OB25587A C475,476 OB41298A CML 0.150V | (EP, OTR) | 00050104 | | | | | | Inductor 100uH | 3A | 0B51183A | | |
| Hards, 4/9 OB25587A RK TOUK I/TOW J* C511 OK10030A TR 2SA1036K* R505,506 OB25587A R480 OB25587A RK TOK I/TOW J* ZD401 OB10478A ZD RD4.7UJN1-T1* R507,508 OB25587A R481 OB25370A RM 1.1K 1/TOW D* ZD402 OB10485A ZD RD5.6UJN2* R510 OB25587A R490 OB21370A RM 1.1K 1/TOW D* ZD503 OB10497A ZD RD5.1UJN2* R511 OB25587A R491 OB21397A RM 1.1K 1/TOW D* ZD503 OB10482A ZD RD5.1UJN2* R512 OB25587A R492 OB25587A RK 100K 1/TOW J* ZD506,507 OB10482A ZD RD5.1UJN2*T1* R514 OB25587A C477,478 OB41298A CML<0.1 50V J | | 0825612A | | | | | | | | | | |
| Habbit OB25583/A Hik TOW J ZD401 OB10478A ZD PD4.7UJN1-T1* R507,508 OB25587/A R481 OB251391A RM 8.2K 1/10W D* ZD402 OB10488A ZD RD5.6UJN2* R509 OB25587/A R482 OB21370A RM 1.1K 1/10W D* ZD403 OB10482A ZD RD5.UJN2*T1* R510 OB25587/A R490 OB21370A RM 1.1K 1/10W D* ZD501,502 OB10482A ZD RD5.UJN2*T1* R511 OB25587/A R490 OB21370A RM 1.1K 1/10W D* ZD504,505 OB10482A ZD RD5.1UJN2*T1* R511 OB25587/A R492 OB25887/A RK 100K 1/10W D* ZD506,507 OB10482A ZD RD5.1UJN2*T1* R513 OB25587/A C477,478 OB42623A CE 470 16V ZD516 OB10482A ZD RD5.1UJN2*T1* R516 OB25587/A C490 OB42623A < | (USA, CAN) | 00055474 | DE05 506 | | | | | | | | | |
| Hast OB23953A HK TUK T/10W J* ZD402 OB10485A ZD RD5.6U/N2* R509 OB2611/z R482 OB21370A RM 1.1K 1/10W D* ZD403 OB10485A ZD RD5.6U/N2* R511 OB255877 R490 OB21370A RM 1.1K 1/10W D* ZD503 OB10497A ZD RD5.1UJN2*T1* R511 OB255877 R491 OB21391A RM 8.2K 1/10W D* ZD503 OB10482A ZD RD5.1UJN2*T1* R512 OB255877 C475,476 OB41298A CML<0.150V J | | | | | | | | | | | | |
| H482 OB21391A HM B2/K 1/10W D* ZD403 OB10482A ZD RD5.1UJN2-T1* R510 OB25877 R490 OB21370A RM 1.1K 1/10W D* ZD503 OB10497A ZD RD5.1UJN2-T1* R511 OB25877 R491 OB21391A RM 8.2K 1/10W D* ZD503 OB10497A ZD RD5.1UJN2-T1* R512 OB25877 R492 OB25877 A RK 100K 1/10W J* ZD504,505 OB10482A ZD RD5.1UJN2-T1* R513 OB25877 C475,476 OB41298A CML 0.1 50V J ZD506,507 OB10482A ZD RD5.1UJN2-T1* R516 OB258577 C479,480 OB42843A CE 470 16V ZD510 OB10482A ZD RD5.1UJN2-T1* R516 OB255877 C490 OB42843A CE 470 16V ZD510 OB10482A ZD RD5.1UJN2-T1* R516 OB255877 C490 OB42843A CE 470 16V ZD41.402 OB10539A </td <td></td> <td></td> <td>,</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | | | , | | | | | | | | | |
| R430 0B21370A RM 1.1K 1/10W D* ZD501,502 0B10497A ZD RD8.2UN2* R511 0B2557A R491 0B21370A RM 8.2K 1/10W D* ZD503 0B10490A ZD RD8.2UN2* R511 0B2557A R492 0B25587A RK 100K J* ZD504,505 0B10482A ZD RD5.1UJN2-T1* R513 0B25587A C475,476 0B41298A CML 0.1 50V J ZD508,509 0B10482A ZD RD5.1UJN2-T1* R516 0B25587A C479,476 0B42623A CE 2200 16V ZD518 0B10482A ZD RD5.1UJN2-T1* R517,518 0B25515A C430 0B42623A CE 270 16V ZD518 0B10482A ZD RD5.1UJN2-T1* R517,518 0B25515A C491 0B41298A CML 0.1 50V J D451 0B10539A SID MA152WK* R521 0B25515A C492 0B40769A CE 220 16V (LN) D507 0B10730A | | | | | | | | | | | | |
| H490 OB21370A HM I.1K I/10W D* ZD503 OB10960A ZD RD16U/N2* R512 OB25587A R492 OB25587A RK 100K 1/10W D* ZD504,505 OB10482A ZD RD5.1UJN2-T1* R513 OB25587A C475,476 OB41298A CML 0.1 50V J ZD504,505 OB10482A ZD RD5.1UJN2-T1* R514 OB25587A C477,478 OB42623A CE 2200 16V ZD508,509 OB10482A ZD RD5.1UJN2-T1* R516 OB25587A C479,480 OB42623A CE 470 16V Z0518 OB10482A ZD RD5.1UJN2-T1* R516 OB25515A C490 OB42843A CE 470 16V Z05185 OB10482A ZD RD5.1UJN2-T1* R516 OB25515A C492 OB432826A CC 2700P 50V K* D451 OB10539A SID MA152WK* R524,525 OB25557A C492 OB40769A CE 220 16V (LN) D507 OB10730 | | | | | | | | | | | | |
| R491 OB21391A HM B2.K 1/10W J* ZD504,505 OB10482A ZD RD5.1UJN2-T1* R513 OB25579/ C475,476 0B41298A CML 0.1 50V J ZD506,507 OB10482A ZD RD5.1UJN2-T1* R514 OB25587/ C477,478 0B41298A CML 0.1 50V J ZD506,509 OB10482A ZD RD5.1UJN2-T1* R516 OB25587/ C479,480 OB42843A CE 2200 16V ZD510 OB10482A ZD RD5.1UJN2-T1* R516 OB25515/ C490 OB42843A CE 470 16V ZD510 OB10482A ZD RD5.1UJN2-T1* R516 OB25515/ C490 OB42843A CE 470 16V ZD41.02 OB10539A SID MA152WK* R521 OB25515/ C492 OB40769A CE 220 16V (LN) D501,502 OB10730A SID MA152WK* R524,525 OB25573/ C496 OB40769A CE 220 16V (LN) D507 OB10730A < | | | | | | | | | | | | |
| H492 UB25387A HK 100K 1710W J ZD506;507 0B10482A ZD RD5.1UJN2-T1* R514 0B25387A C475,476 0B41298A CML 0.1 50V J ZD506;509 0B10482A ZD RD5.1UJN2-T1* R516 0B25587A C479,480 0B42623A CE 2200 16V ZD510 0B10482A ZD RD5.1UJN2-T1* R516 0B25587A C490 0B42623A CE 470 16V ZD518 0B10482A ZD RD5.1UJN2-T1* R517,518 0B25515A C491 0B42623A CE 470 16V ZD510 0B10482A ZD RD5.1UJN2-T1* R517,518 0B25515A C492 0B43226A CC 2700P 50V K* D451 0B10539A SID MA152WK* R524,525 0B25553A C496 0B40769A CE 220 16V (LN) D507 0B10730A SID MA152WK* R524,525 0B25539A C496 0B40769A Earth Terminal (3) X501 0B90693A Xtal 32.768KH | | | | | | | | | | | | |
| C475,476 OB41298A CML 0.1 50V J ZD506,509 OB10482A ZD RD5.1UJN2-T1* R515 OB260034 C477,478 0B42623A CE 2200 16V ZD510 0B10482A ZD RD5.1UJN2-T1* R515 0B25657A C490 0B42843A CE 470 16V ZD518 0B10482A ZD RD5.1UJN2-T1* R517,518 0B25515A C490 0B42843A CE 470 16V ZD518 0B10482A ZD RD5.1UJN2-T1* R517,518 0B25515A C490 0B40769A CE 220 16V (LN) D401,402 0B10539A SID MA152WK* R524,525 0B25539A C496 0B40769A CE 220 16V (LN) D507 0B10539A SID MA152WK* R524,525 0B25539A C498 0B40769A CE 220 16V (LN) D507 0B10730A SID MA152WK* R524,525 0B25539A C498 0B80673A Earth Terminal (3) X501 0B906915A Resonator 15.00M* | | | | | | | | | | | | |
| C477,478 CML 0.1 S0V J ZD510 OB10482A ZD RD5.1UJN2-T1* R516 OB25587A C490 OB42843A CE 2200 16V ZD518. 0B10482A ZD RD5.1UJN2-T1* R516 0B25515A C490 OB42843A CE 470 16V ZD518. 0B10482A ZD RD5.1UJN2-T1* R517,518 0B25515A C490 OB41298A CML 0.1 50V J D401,402 0B10539A SID MA152WK* R521 0B25515A C492 OB40769A CE 220 16V (LN) D501,502 0B10539A SID MA152WK* R524,525 0B25567A C496 OB40769A CE 220 16V (LN) D503,504 0B10730A SID MA152WK* R524,525 0B25567A C495 OB80673A Earth Terminal (3) X501 OB9075A Resonator 16.00M* R527 0B25553A OB85275B 10P Wire Ass'y (1) 0B90801A Resonator 15.10M* R523 0B25553A Schematic Part No. Description <td></td> | | | | | | | | | | | | |
| C479,480 OB42623A CE 2200 16V ZD518. OB10482A ZD RD5.1UJN2-T1* R517,518 OB25515A C490 OB42843A CE 470 16V D401,402 OB10539A SID MA152WK* R519,520 OB25515A C492 OB43262A CC 2700P 50V K* D451 OB10539A SID MA152WK* R521 OB25515A C493 OB40769A CE 220 16V (LN) D503,504 OB10539A SID MA152WK* R524,525 OB25587A C496 OB40769A CE 220 16V (LN) D503,504 OB10730A SID MA152WK* R524,525 OB25539A C496 OB40769A CE 220 16V (LN) D507 OB10730A SID MA152WK* R526 OB25553A OB85273B 2P Wire Ass'y (1) OB503,504 OB90693A X'tal 32.768KHz R533 OB25553A Schematic Ref. No. Part No. Description R207 OB25553A RK 10K 1/10W J* < | | | | | | | | | | | | |
| C490 0B42843A CE 4/0 16V D401,402 0B10539A SID MA152WK* R519,520 0B25515A C492 0B43226A CC 2700P 50V K* D451 0B10539A SID MA152WK* R521 0B25515A C493 0B40769A CE 220 16V (LN) D501,502 0B10539A SID MA152WK* R524,525 0B25539A C496 0B40769A CE 220 16V (LN) D503,504 0B10539A SID MA152WK* R524,525 0B25539A C496 0B40769A CE 220 16V (LN) D507 0B10730A SID MA152WK* R526 0B25539A 0B80673A Earth Terminal (3) X501 0B90795A Resonator 16.00M* R528 0B25539A 7.2. Main P.C.B. Ass'y 10P Wire Ass'y (1) 0B51303A Mini Transformer R534,535 0B25553A Schematic Ref. No. Description R207 0B25553A RK 10W J* R536 0B25557A BA09970A Main P.C.B. Ass'y | | | | | | | | | | | | |
| C491 0B41298A CML 0.1 50V 3 D451 0B10539A SID MA152WK* R521 0B25515A C492 0B40769A CE 220 16V (LN) D503,504 0B10539A SID MA152WK* R521 0B25515A C496 0B40769A CE 220 16V (LN) D503,504 0B10539A SID MA152WK* R524,525 0B25563A 0B80673A Earth Terminal (3) D507 0B10730A SID MA159A* R526 0B25563A 0B85273B 2P Wire Ass'y (1) D507 0B90795A Resonator 16.00M* R527 0B25539A 0B85275B 10P Wire Ass'y (1) 0B90693A X501 0B90693A X1al 32.768KHz R533 0B25553A 7.2. Main P.C.B. Ass'y X502 0B256571A RK 22K 1/10W J* R536 0B255515A Schematic R205 0B255571A RK 22K 1/10W J* R536 0B255575A BA10990A Main P.C.B. Ass'y R393,394 0B25563A RK 10K | | | | | | | | | | | | |
| C492 0B43226A CC 2/00F 50V K* D501,502 0B10539A SID MA152WK* R522,523 0B25539A C493 0B40769A CE 220 16V (LN) D503,504 0B10539A SID MA152WK* R524,525 0B25587A C496 0B40769A CE 220 16V (LN) D507 0B10730A SID MA152WK* R524,525 0B25563A 0B35273B 2P Wire Ass'y (1) 0B90795A Resonator 16.00M* R527 0B25539A 0B35275B 10P Wire Ass'y (1) 0B90795A Resonator 15.10M* R528 0B25539A Cstev (JPN) R523 0B25539A Cstev (JPN) R534,535 0B25539A Schematic R205 0B25571A RK 2.2K 1/10W J* R536 0B25563A Ref. No. Part No. Description R207 0B25563A RK 10K 1/10W J* R536 0B25574A BA09970A Main P.C.B. Ass'y (USA, CAN) R395L,R 0B25563A RK 10K 1/10W J* R539 | | | • | | | | | | | | | |
| C493 0B40769A CE 220 16V (LN) D503,504 0B10539A SID MA152WK* R524,525 OB25577A C496 0B40769A CE 220 16V (LN) D507 0B10730A SID MA152WK* R524,525 0B25563A 0B85273B 2P Wire Ass'y (1) D507 0B10730A SID MA159A* R526 0B25539A 0B85273B 2P Wire Ass'y (1) 0B90795A Resonator 16.00M* R527 0B25539A 0B90691A Resonator 15.10M* R529,530 0B25539A Cstcv (JPN) R531,532 0B25553A 7.2. Main P.C.B. Ass'y X502 0B90693A X'tal 32.768KHz R533 0B25553A Schematic R205 0B25571A RK 22K 1/10W J* R536 0B25557A Ref. No. Part No. Description R207 0B25563A RK 10K 1/10W J* R538 0B25567A BA09970A Main P.C.B. Ass'y (EP) R395L,R 0B25563A RK 10K 1/10W J* R540 0 | | | | | | | | | | | | |
| C496 0B40/69A CE 220 16V (LN) D507 0B10730A SID MA159A* R526 0B25563A 0B80673A Earth Terminal (3) X501 0B90795A Resonator 16.00M* R527 0B25539A 0B85275B 10P Wire Ass'y (1) 0B90801A Resonator 15.10M* R528 0B25539A 7.2. Main P.C.B. Ass'y X502 0B90693A X'tal 32.768KHz R533 0B25539A Schematic Ref. No. Part No. Description R205 0B25563A RK 6.8K 1/10W J* R536 0B25587A BA09970A Main P.C.B. Ass'y R393,394 0B25563A RK 6.8K 1/10W J* R539 0B25587A BA09970A Main P.C.B. Ass'y R393,394 0B25563A RK 0.8K 1/10W J* R539 0B25587A BA09971A Main P.C.B. Ass'y (USA, CAN) R393,394 0B25563A RK 10K 1/10W J* R539 0B25587A BA09969A Main P.C.B. Ass'y (CP) R395L,R 0B25563A | | | | | | | | | | | | |
| Visolo (37) Earth Terminal (3) X501 0B90795A Resonator 16.00M* R527 0B25539A 0B85273B 2P Wire Ass'y (1) 0B90795A Resonator 16.00M* R527 0B25539A 0B85273B 10P Wire Ass'y (1) 0B90801A Resonator 15.10M* R528 0B25539A 7.2. Main P.C.B. Ass'y X502 0B90693A X'tal 32.768KHz R533 0B25553A Schematic R205 0B25571A RK 22K 1/10W J* R536 0B25515A Schematic R205 0B25559A RK 6.8K 1/10W J* R536 0B25553A Ref. No. Part No. Description R205 0B25553A RK 6.8K 1/10W J* R538 0B25567A BA10090A Main P.C.B. Ass'y R393,394 0B25563A RK 10K 1/10W J* R539 0B25587A BA10090A Main P.C.B. Ass'y (EP) R395L,R 0B25563A RK 10K 1/10W J* R540 0B25563A BA09969A Main P.C.B. Ass'y (JPN) | | | | | | | | | | | 6496 | |
| OB35273B 2P Wire Ass'y (1) (Except JPN) R528 OB25573A 0B35275B 10P Wire Ass'y (1) 0B90801A Resonator 15.10M* R529,530 0B25539A 7.2. Main P.C.B. Ass'y X502 0B90693A X'tal 32.768KHz R533 0B25515A Schematic R205 0B25571A RK 2.K 1/10W J* R536 0B25515A Schematic R205 0B25571A RK 2.K 1/10W J* R536 0B25515A BA09970A Description R207 0B25553A RK 6.8K 1/10W J* R538 0B25575A BA10090A Main P.C.B. Ass'y R393,394 0B25563A RK 10K 1/10W J* R539 0B25587A BA10090A Main P.C.B. Ass'y (EP) R396L,R 0B25563A RK 10K 1/10W J* R540 0B214445A R397L,R 0B25563A RK 10K 1/10W J* R541 0B214445A R399L,R 0B25563A RK 10K 1/10W J* R542 0B | | | | | | 0B90795A | X501 | | | | | |
| DB952/365 NOF Wile Ass y (1) OB90801A Resonator 15.10M* Cstcv (JPN) R529,530 OB25539A 7.2. Main P.C.B. Ass'y X502 0B90693A X'tal 32.768/KHz R533 0B25539A Schematic R205 0B25557A RK 2.2768/KHz R533 0B25515A Schematic R205 0B25557A RK 2.2768/KHz R533 0B255515A BA09970A Description R207 0B25563A RK 1/10W J* R538 0B25567A BA10090A Main P.C.B. Ass'y R395L,R 0B25563A RK 10K 1/10W J* R539 0B2547A BA09971A Main P.C.B. Ass'y (EP) R396L,R 0B25563A RK 10K 1/10W J* R540 0B21444A R397L,R 0B25563A RK 10K 1/10W J* R541 0B214445A R3995L,R 0B25563A RK 10K 1/10W J* R542 0B25563A BA09969A Main P.C.B. Ass'y (JPN) R398L,R 0B25563A RK 10K 1/1 | | | | | | | | | | | | |
| Cstcv (JPN) R531,532 OB25539A Cstcv (JPN) R531,532 OB25539A Cstcv (JPN) R531,532 OB25539A X502 OB30693A Xital 32.768KHz R533 OB25515A Schematic R205 OB25571A RK 2.768KHz R534,535 OB25553A Part No. Description R207 OB25553A RK 1/10W J* R538 OB25557A BA09970A Main P.C.B. Ass'y R393,394 OB25563A RK 1/10W J* R538 OB25557A BA09970A Main P.C.B. Ass'y (EP) R395L,R OB25563A RK 1/10W J* R541 OB254563A BA09969A Main P.C.B. Ass'y (OTR) R395L,R OB25563A <th cols<="" td=""><td></td><td></td><td></td><td></td><td></td><td>0B90801A</td><td></td><td>10P WIRE Ass'y (1)</td><td>B</td><td>08852758</td><td></td></th> | <td></td> <td></td> <td></td> <td></td> <td></td> <td>0B90801A</td> <td></td> <td>10P WIRE Ass'y (1)</td> <td>B</td> <td>08852758</td> <td></td> | | | | | | 0B90801A | | 10P WIRE Ass'y (1) | B | 08852758 | |
| 7.2. Main P.C.B. Ass'y X502 0B90693A X'tal 32.768KHz R533 0B25515A Schematic R205 0B25571A RK 22K 1/10W J* R536 0B25515A Schematic R205 0B25571A RK 22K 1/10W J* R536 0B25515A Ref. No. Part No. Description R207 0B25559A RK 6.8K 1/10W J* R538 0B25587A BA09970A Main P.C.B. Ass'y R393,394 0B25563A RK 10K 1/10W J* R538 0B25587A BA10990A Main P.C.B. Ass'y R395L,R 0B25563A RK 10K 1/10W J* R539 0B25587A BA109971A Main P.C.B. Ass'y (CP) R396L,R 0B25563A RK 10K 1/10W J* R540 0B21444A R398L,R 0B25569A RK 18K 1/10W J* R541 0B21444A R399L,R 0B25569A RK 18K 1/10W J* R542 0B25563A Main P.C.B. Ass'y (JPN) R398L,R 0B25515A RK 10K 1/10W J* R543 0B25563A< | | | | | | | | | | | | |
| Batility Description R205 OB25571A RK 22K 1/10W J* R536 OB25571A Ref. No. Part No. Description R207 0B25571A RK 22K 1/10W J* R536 0B25571A BA09970A Main P.C.B. Ass'y R393,394 0B25563A RK 1/10W J* R537 0B25577A BA10090A Main P.C.B. Ass'y R395L,R 0B25563A RK 10K 1/10W J* R539 0B25577A BA10090A Main P.C.B. Ass'y R395L,R 0B25563A RK 10K 1/10W J* R539 0B25563A BA09971A Main P.C.B. Ass'y (DTR) R396L,R 0B25569A RK 18K 1/10W J* R541 0B21444A R399L,R 0B25563A RK 18K 1/10W J* R542 0B25563A Main - C.B. Ass'y (JPN) R398L,R 0B25515A RK 10K 1/10W J* R543 0B25563A Main - | | | R533 | 32.768KHz | X'tal : | 0B90693A | | | | C B Aselu | 7.9 Main D | |
| Ref. No. Part No. Description R207 0B25559A RK 6.8K 1/10W J* R537 0B25567A BA09970A Main P.C.B. Ass'y (USA, CAN) R393,394 0B25563A RK 10K 1/10W J* R538 0B25587A BA10090A Main P.C.B. Ass'y (USA, CAN) R395L,R 0B25563A RK 10K 1/10W J* R539 0B25587A BA10090A Main P.C.B. Ass'y (USA, CAN) R396L,R 0B25563A RK 10K 1/10W J* R540 0B21444A R397L,R 0B25569A RK 18K 1/10W J* R541 0B21444A R399EL,R 0B25563A RK 10K 1/10W J* R541 0B21444A R399EL,R 0B25563A RK 18K 1/10W J* R541 0B21444A R399L,R 0B25563A RK 10K 1/10W J* R543 0B25563A Main - R399L,R 0B25563A RK 100 1/10W J* R543 0B25563A Main - R4002 | A RK 10K 1/1 | 0B25563A | R534,535 | Transformer | Mini 1 | 0B51303A | | | y | о.в. наа у | ·. 4. 414111 F. | |
| BA09970A Main P.C.B. Ass'y (USA, CAN) R393,394 0B25563A RK 10K 1/10W J* R538 0B25567A BA10090A Main P.C.B. Ass'y (USA, CAN) R395L,R 0B25563A RK 10K 1/10W J* R539 0B25587A BA10090A Main P.C.B. Ass'y (EP) R396L,R 0B25563A RK 10K 1/10W J* R539 0B25587A BA09971A Main P.C.B. Ass'y (OTR) R396L,R 0B25569A RK 10K 1/10W J* R540 0B21444A BA09969A Main P.C.B. Ass'y (OTR) R398L,R 0B25563A RK 10K 1/10W J* R542 0B25563A Main - Main P.C.B. Ass'y (JPN) R398L,R 0B25563A RK 10K 1/10W J* R542 0B25563A Main - R401 0B25563A RK 10K 1/10W J* R544 0B25563A Main - R402 0B21631A RK 10 1/4W* R546 0B25563A H002 0B210719A IC TA8409E* | A RK 100 1/1 | 0B25515A | R536 | | | | | | | | Schematic | |
| BA09970A Main P.C.B. Ass'y (USA, CAN) R395L,R 0B25563A RK 10K 1/10W J* R539 0B25587A BA10090A Main P.C.B. Ass'y (EP) R396L,R 0B25563A RK 10K 1/10W J* R539 0B25587A BA09971A Main P.C.B. Ass'y (EP) R396L,R 0B25569A RK 18K 1/10W J* R540 0B21444A BA09969A Main P.C.B. Ass'y (OTR) R398L,R 0B25569A RK 18K 1/10W J* R542 0B25563A Main P.C.B. Ass'y (JPN) R398L,R 0B25515A RK 10K 1/10W J* R543 0B25553A Main — Main P.C.B. Ass'y (JPN) R399L,R 0B25563A RK 10K 1/10W J* R543 0B25553A Main — R401 0B25563A RK 10K 1/10W J* R544 0B25563A Main — R402 0B21631A RK 10 1/4W* R546 0B25563A M403 0B25551A RK 3.3K 1/10W J* R547,548 <td></td> <td>0B25587A</td> <td></td> <td></td> <td></td> <td></td> <td>-</td> <td>Description</td> <td>).</td> <td>Part No.</td> <td>Ref. No.</td> | | 0B25587A | | | | | - | Description |). | Part No. | Ref. No. | |
| (USA, CAN) R395L,R OB25563A RK 10K 1/10W J* R539 OB25587A BA10090A Main P.C.B. Ass'y (EP) R396L,R OB25563A RK 10K 1/10W J* R539 OB21444A BA09971A Main P.C.B. Ass'y (OTR) R397L,R OB25569A RK 18K 1/10W J* R541 OB21444A R399L,R OB25563A RK 10K 1/10W J* R542 OB2563A Main P.C.B. Ass'y (JPN) R398L,R OB25563A RK 10K 1/10W J* R542 OB25563A Main — R401 OB25563A RK 10K 1/10W J* R543 OB25563A Main — R401 OB25563A RK 10K 1/10W J* R544 OB25563A H402 OB21631A RK 10 1/4W* R546 OB25551A H403 OB25551A RK 3.3K 1/10W J* R547,548 OB25563A | A RK 2.2K 1/1 | 0B25547A | | | | | | Main P C B Ase'v | ۱A | BA09970A | | |
| BA10090A Main P.C.B. Ass'y (EP) H396L, R OB25563A HK 10K 1/10W J* H540 0B21444A BA09971A Main P.C.B. Ass'y (OTR) R397L, R 0B25569A RK 18K 1/10W J* R540 0B21444A BA09971A Main P.C.B. Ass'y (OTR) R398L, R 0B25569A RK 18K 1/10W J* R542 0B25563A BA09969A Main P.C.B. Ass'y (JPN) R398L, R 0B25515A RK 100 1/10W J* R543 0B25563A — Main — R401 0B25515A RK 10K 1/10W J* R544 0B25563A H402 0B21631A RK 10 1/4W* R546 0B25512A U106.107 0B10719A IC TA8409E* R403 0B25551A RK 3.3K 1/10W J* R547,548 0B25563A | A RK 100K 1/1 | 0B25587A | | | | | | | | 2710007071 | | |
| BA09971A Main P.C.B. Ass'y (OTR) R397L, R Ob25369A RK 10K 1/10W J R541 OB21445A BA09969A Main P.C.B. Ass'y (OTR) R398L, R 0B25569A RK 18K 1/10W J R542 0B25563A Main P.C.B. Ass'y (JPN) R399L, R 0B25569A RK 100 1/10W J R543 0B25563A Main — R401 0B25563A RK 100 1/10W J R543 0B25563A R401 0B25563A RK 10K 1/10W J R544 0B25563A Main — R402 0B21631A RK 10 1/4W* R546 0B25512A U106.107 0B10719A IC TA8409F* R403 0B25551A RK 3.3K 1/10W J* R547,548 0B25563A | | | | | | | | | | BA10090A | | |
| BA09969A Main P.C.B. Ass'y (JPN) R399L,R 0B25515A RK 100 1/10W J* R543 0B25539A — Main — R401 0B25563A RK 10K 1/10W J* R544 0B25563A R402 0B21631A RK 10 1/4W* R546 0B25512A U106 107 0B10719A IC TA8409F* R403 0B25551A RK 3.3K 1/10W J* R547,548 0B25563A | | | | | | | | | | | | |
| — Main — R401 0825553А RK 100 1/10W J* R543 0825539А — Main — R401 0825563А RK 10K 1/10W J* R544 0825563А R402 0821631A RK 10 1/4W* R546 0825513A R403 0825551A RK 3.3K 1/10W J* R547,548 0825563A | | | | | | | • | | | | | |
| - Main R402 0B21631A RK 10 1/4W* R546 0B25512A U106.107 0B10719A IC TA8409F* R403 0B25551A RK 3.3K 1/10W J* R547,548 0B25563A | | | | | | | | ······································ | | | | |
| H402 0821631A HK 10 1/4W* H546 0825512A H106.107 0B10719A IC TA8409F* R403 0825551A RK 3.3K 1/10W J* R547,548 0825563A | | | | | | | | | _ | — Main — | | |
| U106.107 UB10/19A IC LA8409F* | | | | | | | | | | | | |
| | | | | | | | | IC TA8409F* | A | 0B10719A | J106,107 | |
| U108 0B107194 IC TA8409E* H404 0B25523A RK 220 1/10W J* R549,550 0B25563A | | | | | | | m | | | | J108 | |
| U109 0B10572A_IC_PO09BE2H405UB25563A_RK_10K_1/10W J*R551,5520B25563A | | | | | | | | | | | | |
| U110 111 0B10951A IC PO05T711* H406 0B21632A RK 3.3 1/2W* H553,554 0B25563A | | | | | | | | | | | | |
| 1113 0B10951A IC PO05TZ11* R407 0B25551A RK 3.3K 1/10W J* R555,556 0B25563A | | | | | | | | | | | | |
| J351,352 0B11001A IC NJM4558M R408 0B25515A RK 100 1/10W J. R557,558 0B25563A | | | | | | | | | | | | |
| 1501 0B10949A IC HD64E3437TE16* R409 0B25555A RK 4.7K 1/10W J* R559,560 0B25563A | | | | | | | | | | | | |
| J502 0B10907A IC PST9142NB* H410 0B25515A HK 100 1/10W J* R561 0B25563A | | | | | | | | | | | J502 | |
| J503 0B10654A IC TC4060AF* R411 0B25503A RK 10K 1/10W J* R562,563 0B25579A | | | | | | | | | | | J503 | |
| 1505 506 0B109734 IC TC7W34EU* R412 0B21633A RK 3.3 1W" R564,565 0B25579A | | | | | | | | | | | | |
| 1507 0B10973A IC TC7W34EU* R413 0B25563A RK 10K 1/10W J* R566,567 0B25579A | | | | | | | | | | | | |
| Q401 0B10731A TR 2SB1132* R414 0B25515A RK 100 1/10W J* R568,569 0B25579A | A RK 47K 1/1 | 0B25579A | 1008,569 | 100 1/10W J. | ΠK | VD20015A | N#14 | | | | 2401 | |

| | Schematic Ref. No. | Part No. | D | escriptio | on | Schematic Ref. No. | Part No. | Description | 7.3. Pre Schem |
|---|-----------------------|----------------------|----------|--------------|----------------------|-----------------------|----------------------|--------------------------------|-------------------|
| | R570,571 | 0B25579A | RK | 47K | 1/10W J* | TC501 | 0B42787A | Trimmer 10P* | Ref. N |
| | R572,573 | 0B25579A | RK | 47K | 1/10W J* | C159 | 0B42814A | CE 33 25V* | |
| | R574,575 | 0B25579A | RK | 47K | 1/10W J* | C160 | 0B43064A | CC 0.01 50V J* | |
| | R576,577 | 0B25587A | RK | 100K | 1/10W J* | C161 | 0B42789A | CE 47 16V* | |
| | R578,579 | 0B25587A | RK | 10 0K | 1/10W J* | C166 | 0B42789A | CE 47 16V* | |
| | R580,581 | 0B25587A | RK | 100K | 1/10W J* | C201,202 | 0B43064A | CC 0.01 50V J* | |
| | R582 | 0B25579A | RK | 47K | 1/10W J* | C203L,R | 0B42791A | CML 0.027 25V* | U301 |
| | R583,584 | 0B25587A | RK | 100K | 1/10W J* | C0001 E | 0B43235A | (USA, CAN) CC 0.018 50V K* | U302,30 |
| | R585,586 | 0B25587A | RK | 100K 100 | 1/10W J* 1/10W J* | C203L,R | 0043233A | (EP, OTR, JPN) | U304 |
| | R587 | 0B25515A 0B25587A | RK RK | 100K | 1/10W J* | C204.205 | 0B43064A | CC 0.01 50V J* | U308,30 |
| | R588 R588L,R | 0B25587A | RK | 100K | 1/10W J* | C351L,R | 0B42785A | CE 4.7 16V* | 11400 |
| | R589 | 0B25579A | RK | 47K | 1/10W J* | C352L,R | 0B42785A | CE 4.7 16V* | U499 |
| | R590,591 | 0B25587A | RK | 100K | 1/10W J* | C401 | 0B43064A | CC 0.01 50V J* | U901 U902 |
| | R592,593 | 0B25587A | RK | 100K | 1/10W J* | C403 | 0B43221A | CC 0.047 25V K* | U902 |
| | R594 | 0B25587A | RK | 100K | 1/10W J* | C404 | 0B42790A | CE 100 6.3V* | U904 |
| | R595 | 0B25603A | RK | 470K | 1/10W J* | C405 | 0B43064A | CC 0.01 50V J* | U905L, |
| | R596,597 | 0B25587A | RK | 100K | 1/10W J* | C406 | 0B43063A | CC 1000P 50V J* | U906L, |
| | R598,599 | 0B25587A | RK | 100K | 1/10W J* | C407 | 0B43092A | CC 0.1 25V Z* | U907L, |
| | R601 | 0B25563A | RK | 10K | 1/10W J* | C409 | 0B43092A | CC 0.1 25V Z* CE 10 16V* | U999 |
| | R605,606 | 0B25563A | RK | 10K | 1/10W J* | C453,454 | 0B42781A 0B43064A | CE 10 16V* CC 0.01 50V J* | Q301,3 |
| | R607,608 | 0B25563A | RK | 10K | 1/10W J* | C503 C504,505 | 0B432004A | CC 220P 50V J* | Q303,3 |
| | R609,610 | 0B25539A | RK RK | 1K 10K | 1/10W J* 1/10W J* | C506,507 | 0B43064A | CC 0.01 50V J* | Q305 |
| | R611,612 R613 | 0B25563A 0B25563A | RK | 10K | 1/10W J* | C508 | 0B43064A | CC 0.01 50V J* | Q306L, |
| | R614 | 0B25587A | RK | 100K | 1/10W J* | C510,511 | 0B43064A | CC 0.01 50V J* | Q307L, |
| | R615,616 | 0B25563A | RK | 10K | 1/10W J* | C512,513 | 0B43064A | CC 0.01 50V J* | Q308 |
| | R617,618 | 0B25563A | RK | 10K | 1/10W J* | C514,515 | 0 B430 64A | CC 0.01 50V J* | Q309 Q310 |
| | R619,620 | 0B25563A | RK | 10K | 1/10W J* | C519,520 | 0B43064A | CC 0.01 50V J* | Q310L. |
| | R621,622 | 0B25563A | RK | 10K | 1/10W J* | C521,522 | 0B43092A | CC 0.1 25V Z* | GOTOL, |
| | R623 | 0B25563A | RK | 10K | 1/10W J* | C552 | 0B42783A | CE 22 16V* | Q492 |
| | R624,625 | 0B25587A | RK | 100K | 1/10W J* | C553 | 0B43078A | CC 2200P 50V K* | Q493 |
| | R626 | 0B25587A | RK | 100K | 1/10W J* | C554 | 0B43117A | CC 39P 50V J* | Q494 |
| | R627,628 | 0B25563A | RK | 10K | 1/10W J* | C555 | 0B43115A 0B43064A | CC 5P 50V D* CC 0.01 50V J* | Q495 |
| | R629 | 0B25563A | RK | 10K | 1/10W J* | C556 C597,598 | 0B43064A | CC 1000P 50V J* | Q496 |
| | R630 | 0B25587A | RK RK | 100K 10K | 1/10W J* 1/10W J* | C599 | 0B43063A | | Q497 |
| | R631,632 | 0B25563A 0B25587A | RK | 100K | 1/10W J* | CN105 | 0B84906A | 9P F Connector* | Q498 |
| | R633 R634 | 0B25539A | RK | 1K | 1/10W J* | CN106 | 0B84902A | 8P F Connector* | Q499 |
| | R635,636 | 0B25563A | RK | 10K | 1/10W J* | CN107 | 0B84903A | 12P F Connector* | ZD496, ZD498, |
| | R637,638 | 0B25563A | RK | 10K | 1/10W J* | CN501 | 0B84871A | 24P Connector Socket | D301,3 |
| | R639 | 0B25539A | RK | 1 K | 1/10W J* | CN502 | 0B84907A | 14P F Connector* | D303 |
| | R640,641 | 0B25563A | RK | 10K | 1/10W J* | CN508 | 0B84879A | 22P F Connector* | D306 |
| | R642,643 | 0B25563A | RK | 10K | 1/10W J* | | | | D901,9 |
| | R644,645 | 0B25563A | RK | 10K | 1/10W J* | | - Power - | — | X901 |
| | R646,647 | 0B25539A | RK | 1K | 1/10W J* | D403 | 0B10946A | SID 1SR154-400* | L493,4 |
| | R648,649 | 0B25539A | RK | 1K | 1/10W J* 1/10W J* | D403 | 0B10946A | | R301,3 |
| | R650,651 | 0B25539A | RK RK | 1K 1K | 1/10W J* | R419 | 0B25539A | | R303,3 |
| | R652 R653 | 0B25539A 0B25563A | RK | 10K | 1/10W J* | C402 | 0B42786A | | R305,3 |
| | R654,655 | 0B25539A | RK | 1K | 1/10W J* | C408 | 0B43277A | | R313L, R314L, |
| | R656,657 | 0B25539A | | 1K | 1/10W J* | CN801 | 0B85260A | 19P Connector Header | R316L |
| | R658,659 | 0B25539A | RK | 1 K | 1/10W J* | CN804 | 0B84986A | 10P Connector Ass'y | R317L |
| | R660,661 | 0B25563A | RK | 10K | 1/10W J* | CN805 | 0B84987A | | R318L |
| | R662 | 0B25612A | RK | 0 | 1/10W J* | | 0B85274B | | R319L |
| ` | R663 | 0B25563A | | 10K | 1/10W J* | | 0J08241A | Power P.C.B. Spacer (2) | R321L |
| | R664 | 0B25515A | | 100 | 1/10W J* | | — Tuner - | | R322L |
| | R665,666 | 0B25563A | RK | 10K | 1/10W J* | | — Tuner - | | R323L |
| | R667,668 | 0B25563A 0B25587A | | 10K 100K | 1/10W J* 1/10W J* | U201 | 0B12839A | IC NJM7805UA* | R324L |
| | R669,670 | | | 100K | 1/10W J* | SA201 | 0B12655A | | R326L |
| | R671,672 | 0B25587A 0B25587A | | 100K | 1/10W J* | L201 | 0B50332A | | R327L |
| | R673,674 R675 | 0B25587A | | 100K | 1/10W J* | TU201 | 0B90879A | | R349L |
| | R677,678 | 0B25587A | | 100K | 1/10W J* | | | (JPN) | R350L |
| | R679,680 | 0B25587A | | 100K | 1/10W J* | | 0B90880A | | R351L R352L |
| | R681,682 | 0B25587A | | 100K | | | | (USA, CAN, OTR) | R353L |
| | R683,684 | 0B25587A | RK | 100K | | | 0B90891A | | R354 |
| | R685,686 | 0B25587A | | 100K | | | 0004000 | (EP) Antonno Jook (1) | R359L |
| | R687,688 | 0B25587A | | 100K | | | 0B84892A | Antenna Jack (1) | R360L |
| | R689,690 | 0B25587A | | | | | | | R361L |
| | R691,692 | 0B25587A | | 100K | | | | | R362L |
| | R693,694 | 0B25587A | | | | | | | R363 |
| | R695,696 R697,698 | 0B25587A 0B25587A | | | | | | | R363L |
| | R699 | 0B25587A | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

| 7.3. Pre P.C. | .B. Ass'y | |
|--|--|--|
| Schematic Ref. No. | Part No. | Description |
| | BA10057A | Pre P.C.B. Ass'y |
| | BA09979A | (Except JPN) Pre P.C.B. Ass'y (JPN) |
| U301 U302,303 U304 U308,309 U499 | 0B10809A 0B06146A 0B06146A 0B11001A 0B10951A | IC NJU3712M* IC NJM4558DD IC NJM4558DD IC NJM4558M (Except JPN) IC PQ05TZ11* |
| U901 U902 U903 U904 U905L,R U906L,R U907L,R U909 Q301,302 Q303,304 Q305 Q306L,R Q306L,R Q308 Q310 Q310 Q310L,R | 0B11603A 0B10833A 0B10819A 0B12828A 0B12829A 0B12829A 0B11577A 0B11577A 0B14017A 0B14011A 0B14186A 0B14186A 0B14012A 0B14186A | IC TC74HCU04AF IC TC74HC153AF* IC YM3436D* DIF IC DF1704E* IC PCM1704U* IC NJM5534DD IC uPC4570C IC PST9142NR* TR DTC114EK* TR DTC114EK* TR DTC114EK* TR 2SC4213 B* TR DTC114EK* TR DTC114EK* TR DTC114EK* TR DTC114EK* TR DTC114EK* TR DTC114EK* TR DTC114EK* |
| Q492 Q493 Q494 Q495 Q496 Q497 Q498 Q499 ZD496,497 ZD496,497 ZD498,499 D301,302 D303 D306 D901,902 X901 L493,494 R301,302 R303,304 R305,306 R313L,R R314L,R R316L,R R317L,R R316L,R R319L,R R319L,R R322L,R R322L,R R322L,R R322L,R R324L,R R326L,R R3250L,R | 0806066A 0814166A 0810716A 0806069A 0816066A 0814166A 0810716A 0806069A 0810500A 0810500A 0810539A 0810539A 0810539A 0810539A 0810539A 0820539A 0820539A 0825539A 0825539A 0825539A 0826151A 0826163A 0826163A 0826151A 0826151A 0826151A 0826151A 0826151A 0826151A 0826151A 0826151A 0826151A | (Except JPN) TR 2SD471 TR 2SD471 TR 2SD471 TR 2SD564 TR 2SD471 TR 2SD471 TR 2SB564 TR 2SD471 TR 2SB564 ZD RD9.1UJN2-T1* ZD RD5.1UJN2-T1* SID MA152WK* SID MA1 |
| R350L,R R3551L,R R3552L,R R353L,R R3554 R359L,R R360L,R R3661L,R R3661L,R R363L,R R363L,R | 0B25687A 0B25687A 0B25652A 0B25611A 0B25563A 0B25563A 0B25563A 0B25652A 0B25652A 0B25653A 0B25653A | RM 47K 1/4W F RM 510 1/4W F RK 1M 1/10W J* RK 100K 1/10W J* RK 100K 1/10W J* RK 10K 1/10W J* RM 1K 1/4W F RM 47K 1/4W F RM 510 1/4W F RM 510 1/4W F RK 10K 1/10W J* |









| Schematic Ref. No. | Part No. | Description | Schematic Ref. No. Part No | . Description | Schematic Ref. No. | Part No. Description |
|-----------------------|----------------------|---------------------------------------|--------------------------------------|---------------------------------|-----------------------|--|
| R364 | | · · · · · · · · · · · · · · · · · · · | | | | |
| R364L,R | 0B25563A 0B26175A | RK 10K 1/10W J* RM 100K 1/8W F* | R998,999 0B25563 C301 0B43064 | | R333L,R R337L,R | 0B26151A RM 10K 1/8W F* 0B26127A RM 1K 1/8W F* |
| 1.001.041 | 022011011 | (Except JPN) | C302,303 0B43063 | | R338L,R | 0B26127A RM 1K 1/8W F* |
| R365L,R | 0B26168A | | C304L,R 0B43259 | | R339L,R | 0B26151A RM 10K 1/8W F* |
| | | (Except JPN) | C306L,R 0B43259 | | R340L,R | 0B26133A RM 1.8K 1/8W F* |
| R366L,R | 0B26168A | RM 51K 1/8W F* | C317L,R 0B43253 | | R341L,R | 0B26133A RM 1.8K 1/8W F* |
| R367L,R | 0B26168A | (Except JPN) RM 51K 1/8W E* | C318L,R 0B43253 C319 0B40177 | | R342L,R | 0B26151A RM 10K 1/8W F* 0B26144A RM 5.1K 1/8W F* |
| 11007 L,H | 0020100A | RM 51K 1/8W E* (Except JPN) | C320 0B43064 | | R343L,R R344L,R | 0B26144A RM 5.1K 1/8W F* 0B26144A RM 5.1K 1/8W F* |
| R368L,R | 0B26175A | | C323L,R 0B43253 | | R345L,R | 0B26168A RM 51K 1/10W F* |
| | | (Except JPN) | , | (Except JPN) | R346L,R | 0B26168A RM 51K 1/10W F* |
| R369L,R | 0B26175A | | C328L,R 0B43243 | | R347L,R | 0B26175A RM 100K 1/8W F* |
| | 00001754 | (Except JPN) | C399 0B43092 | | R348L,R | 0B26175A RM 100K 1/8W F* |
| R370L,R | 0B26175A | RM 100K 1/8W F* (Except JPN) | C484,485 0B42803 C486,487 0B42803 | | R355L,R R356L,R | 0B26168A RM 51K 1/10W F* 0B26168A RM 51K 1/10W F* |
| R371L,R | 0B26175A | | C488,489 0B42803 | | R357L,R | 0B26175A RM 100K 1/8W F* |
| | | (Except JPN) | C494,495 0B42048 | | R358L,R | 0B26175A RM 100K 1/8W F* |
| R374L,R | 0B25563A | RK 10K 1/10W J* | C497,498 0B42803 | | R378L,R | 0B26136A RM 2.4K 1/8W F* |
| | | (Except JPN) | C499 0B42803 | | R379L,R | 0B26136A RM 2.4K 1/8W F* |
| R375L,R | 0B25195A | | C901,902 0B43277 | | R380L,R | 0B26144A RM 5.1K 1/8W F* |
| R376L.R | 0B25687A | (Except JPN) RM 47K 1/4W F | C910L,R 0B43265 C911L,R 0B43265 | | C308L,R C311L,R | 0B42829A CML 0.039 16V J* 0B42837A CML 0.015 16V J* |
| 10/02,11 | 002000/A | (Except JPN) | C912L,R 0B43265 | | C312L,R | 0B42831A CML 0.022 16V J* |
| R377L,R | 0B25652A | RM 510 1/4W F | | A CML 0.01 16V J* | C313L,R | 0B43259A CML 3300P 16V J |
| | | (Except JPN) | C914L,R 0B42789 | | C324L,R | 0B43243A CML 150P 50V J* |
| R475 | 0B25507A | RK 47 1/10W J* | C915L,R 0B42803 | | C325L,R | 0B43243A CML 150P 50V J* |
| R476,477 | 0B25515A | RK 100 1/10W J* | C916L,R 0B42783 | | C326L,R | 0B43243A CML 150P 50V J* |
| R486 R487,488 | 0B25539A 0B25555A | RK 1K 1/10W J* RK 4.7K 1/10W J* | C917L,R 0B43254 C919L,R 0B43246 | | C327L,R RY304.305 | 0B43243A CML 150P 50V J* 0B90881A Relay DC12V |
| R489 | 0B25505A | RK 47 1/10W J* | C921L,R 0B43253 | | CN306 | 0B85259A 8P Connector Header |
| R493 | 0B25555A | RK 4.7K 1/10W J* | C922L,R 0B43253 | | CP305 | 0B85258A 19P Connector |
| R494 | 0B25507A | RK 47 1/10W J* | C923L,R 0B43245 | A CML 220P 50V J* | | |
| R495 | 0B25531A | | C924L,R 0B43245 | | | |
| R496 | 0B25555A | RK 4.7K 1/10W J* | C925L,R 0B43255 | | 7.5. Front P. | .C.B. Ass'y |
| R497 R498 | 0B25507A 0B25531A | RK 47 1/10W J* RK 470 1/10W J* | C926L,R 0B43255 C927L,R 0B43243 | | Schematic | |
| R499 | 0B25587A | RK 100K 1/10W J* | C928L,R 0B43243 | | Ref. No. | Part No. Description |
| R901 | 0B21342A | RM 75 1/10W D* | C929L,R 0B43277 | | | BA09982A Front P.C.B. Ass'y |
| R902 | 0B21409A | RM 47K 1/10W D* | C994,995 0B43064 | | | |
| R903 | 0B21342A | RM 75 1/10W D* | C996 0B43080 | | IC701 | 0B10950A IC LC75823W* |
| R904 | 0B21409A | RM 47K 1/10W D* | C998,999 0B43112 | | Q701 | 0B14167A TR 2SC2412K* |
| R907 R916,917 | 0B25612A 0B25563A | RK 0 1/10W J* RK 10K 1/10W J* | RY301,302 0B90881. RY303 0B90881. | | D701 D702,703 | 0B12840A LED LT1U40A* 0B10974A LED LT1H40A* |
| R918,919 | 0B25563A | RK 10K 1/10W J* | RY306 0B90881 | | D702,703 | 0B10974A LED LT1H40A* |
| R920,921 | 0B25563A | RK 10K 1/10W J* | CN301 0B84085 | j | D706,707 | 0B10974A LED LT1H40A* |
| R922,923 | 0B25563A | RK 10K 1/10W J* | CN302 0B81460 | | D708,709 | 0B10974A LED LT1H40A* |
| R924L,R | 0B25563A | RK 10K 1/10W J* | CN305 0B85257 | | D710,711 | 0B10974A LED LT1H40A* |
| R925,926 | 0B25563A | RK 10K 1/10W J* RK 10K 1/10W J* | CN401 0B81636 | | D712,713 | 0B10974A LED LT1H40A* 0B10974A LED LT1H40A* |
| R927,928 R929,930 | 0B25563A 0B25563A | RK 10K 1/10W J* RK 10K 1/10W J* | CN901 0B81461 CN902 0B81459 | | D714,715 D716,717 | 0B10974A LED LT1H40A* 0B10974A LED LT1H40A* |
| R931L,R | 0B25563A | RK 10K 1/10W J* | CP303 0B84283 | | D718,719 | 0B10974A LED LT1H40A* |
| R932L,R | 0B26144A | RM 5.1K 1/8W F* | CP304 0B85265 | | D720,721 | 0B10974A LED LT1H40A* |
| R934L,R | 0B26136A | RM 2.4K 1/8W F* | CP311 0B81461 | | D722,723 | 0B10974A LED LT1H40A* |
| R935L,R | 0B26136A | RM 2.4K 1/8W F* | CP312 0B84282 | | D724,725 | 0B10974A LED LT1H40A* |
| R936L,R R937L,R | 0B26145A 0B26145A | RM 5.6K 1/8W F* RM 5.6K 1/8W F* | CP313 0B84284 | A 4P T-Post BLK (Except JPN) | D726,727 D728,729 | 0B10974A LED LT1H40A* 0B10974A LED LT1H40A* |
| R938L,R | 0B26136A | RM 2.4K 1/8W F* | | (Except JFIN) | D730,731 | 0B10974A LED LT1H40A* |
| R939L,R | 0B26136A | RM 2.4K 1/8W F* | | | LCD701 | 0B90806A LCD DLC-1976P |
| R940L,R | 0B26136A | RM 2.4K 1/8W F* | 7.4. Tone P.C.B. Ass'y | , | R701 | 0B25529A RK 390 1/10W J* |
| R941L,R | 0B26136A | RM 2.4K 1/8W F* | Schematic | - | R702 | 0B25555A RK 4.7K 1/10W J* |
| R942L,R | 0B26145A | RM 5.6K 1/8W F* | Ref. No. Part No | Description | R703 | 0B25513A RK 82 1/10W J* |
| R943L,R R944L,R | 0B26145A 0B26136A | RM 5.6K 1/8W F* RM 2.4K 1/8W F* | · · | A Tone P.C.B. Ass'y | R704 R705 | 0B25525A RK 270 1/10W J* 0B25529A RK 390 1/10W J* |
| R945L,R | 0B26136A 0B26136A | RM 2.4K 1/8W F* | DA05501 | A TORE F.C.D. ASS y | R706 | 0B25530A RK 430 1/10W J* |
| R980 | 0B25587A | RK 100K 1/10W J* | U305,306 0B06146 | A IC NJM4558DD | R707 | 0B25535A RK 680 1/10W J* |
| R981,982 | 0B25563A | RK 10K 1/10W J* | U307L,R 0B11204 | A IC NJM5532DD | R708 | 0B25539A RK 1K 1/10W J* |
| R984,985 | 0B25563A | RK 10K 1/10W J* | D304,305 0B10539 | A SID MA152WK* | R709 | 0B25544A RK 1.6K 1/10W J* |
| R986,987 | 0B25563A | RK 10K 1/10W J* | | A VR 20KB50KW | R710 | 0B25551A RK 3.3K 1/10W J* |
| R988 | 0B25515A | RK 100 1/10W J* | VR302 0B30219 VR303 0B30218 | A VR 20KB/NM | R711 R712 | 0B25563A RK 10K 1/10W J* 0B25525A RK 270 1/10W J* |
| R989 R990,991 | 0B25551A 0B25563A | RK 3.3K 1/10W J* RK 10K 1/10W J* | R328L,R 0B26165 | | R712 | 0B25529A RK 390 1/10W J* |
| R992,993 | 0B25563A | RK 10K 1/10W J* | R329L,R 0B26165 | | R714 | 0B25530A RK 430 1/10W J* |
| R994,995 | 0B25563A | RK 10K 1/10W J* | R330L,R 0B26158 | | R715 | 0B25535A RK 680 1/10W J* |
| R996 | 0B25524A | RK 240 1/10W J* | R331L,R 0B26145 | | R716 | 0B25539A RK 1K 1/10W J* |
| R997 | 0B25611A | RK 1M 1/10W J* | R332L,R 0B26145 | A RM 5.6K 1/8W F* | R717 | 0B25544A RK 1.6K 1/10W J* |

-

| 0-1 | | | Orthony | | | |
|------------------------|----------------------|---------------------------------------|-----------------------|----------------------|----------|-------------------------------|
| Schematic Ref. No. | Part No. | Description | Schematic Ref. No. | Part No. | Ľ | Description |
| R718 | 0B25551A | RK 3.3K 1/10W J* | R121,122 | 0B25574A | RK | 30K 1/10W J* |
| R719 | 0B25563A | RK 10K 1/10W J* | R123,124 | 0B25560A | RK | 7.5K 1/10W J* |
| R720,721 | 0B25579A | RK 47K 1/10W J* | R125,126 | 0B25567A | RK | 15K 1/10W J* |
| R722,723 R724 | 0B25579A 0B25579A | RK 47K 1/10W J* RK 47K 1/10W J* | R127,128 | 0B25560A 0B25579A | RK RK | 7.5K 1/10W J* |
| R725,726 | 0825539A | RK 47K 1/10W J* RK 1K 1/10W J* | R129,130 R131,132 | 0825569A | RK | 47K 1/10W J* 18K 1/10W J* |
| R727,728 | 0B25524A | RK 240 1/10W J* | R133 | 0B25563A | RK | 10K 1/10W J* |
| R729,730 | 0B25524A | RK 240 1/10W J* | R134 | 0B25599A | RK | 330K 1/10W J* |
| R731,732 | 0B25524A | RK 240 1/10W J* | R135 | 0B25580A | RK | 51K 1/10W J* |
| R733,734 R735,736 | 0B25524A 0B25524A | RK 240 1/10W J* RK 240 1/10W J* | R136 R138 | 0B25584A 0B25515A | RK RK | 75K 1/10W J* 100 1/10W J* |
| R738,739 | 0B25513A | RK 82 1/10W J* | R139 | 0B25563A | RK | 10K 1/10W J* |
| R740 | 0B25513A | RK 82 1/10W J* | R141 | 0B25555A | RK | 4.7K 1/10W J* |
| C701 | 0B43063A | CC 1000P 50V J* | R142 | 0B25571A | RK | 22K 1/10W J* |
| C702 C703,704 | 0B43092A 0B43063A | CC 0.1 25V Z* CC 1000P 50V J* | R143 R144 | 0B25590A 0B25573A | RK RK | 130K 1/10W J* 27K 1/10W J* |
| CN702 | 0B84907A | 14P F Connector* | R145 | 0B25571A | RK | 22K 1/10W J* |
| LP701,702 | 0B90887A | Lamp 115mA 5V | R147 | 0B25612A | RK | 0 1/10W J* |
| SW701,702 | 0B70271A | Tact Switch | R177 | 0B25547A | RK | 2.2K 1/10W J* |
| SW703,704 SW705,706 | 0B70271A 0B70271A | Tact Switch Tact Switch | R179,180 R181 | 0B25555A 0B25573A | RK RK | 4.7K 1/10W J* 27K 1/10W J* |
| SW707,708 | 0B70271A | Tact Switch | R194 | 0B25563A | RK | 10K 1/10W J* |
| SW709,710 | 0B70271A | Tact Switch | R195 | 0B25575A | RK | 33K 1/10W J* |
| SW711,712 | 0B70271A | Tact Switch | R196 | 0B25587A | RK | 100K 1/10W J* |
| SW713,714 SW715,716 | 0B70271A 0B70271A | Tact Switch Tact Switch | R197 R198 | 0B21321A 0B25563A | RM RK | 10 1/10W F* 10K 1/10W J* |
| SW717,718 | 0B70271A | Tact Switch | R200 | 0B25579A | RK | 47K 1/10W J* |
| SW719 | 0B70271A | Tact Switch | R207 | 0B20673A | RK | 1.5 1/10W* |
| | 0J07985B | Illuminator Sheet (1) | R208 | 0B25563A | RK | 10K 1/10W J* |
| | 0J07986B 0J07988A | LCD Holder (1) LCD Reflector (1) | R209 R210 | 0B25515A 0B25563A | rk Rk | 100 1/10W J* 10K 1/10W J* |
| | 0J08193A | Conductor Sheet A (1) | R211,212 | 0B20673A | RK | 1.5 1/10W* |
| | 0J08200A | W Face Lcd (1) | R213,214 | 0B25523A | RK | 220 1/10W J* |
| | 0J08265A | LCD Lens (1) | R215 | 0B25555A | RK | 4.7K 1/10W J* |
| | | | R216 R298 | 0B25547A 0B25524A | RK RK | 2.2K 1/10W J* 240 1/10W J* |
| 7.6. CD P.C. | B. Ass'y | | C101 | 0B42794A | CE | 100 6.3V* |
| Schematic | • | | C102,103 | 0B43092A | CC | 0.1 25V Z* |
| Ref. No. | Part No. | Description | C104 | 0B42500A | CC | 2.2 16V* |
| | | CD P.C.B. Ass'y | C105 C106,107 | 0B43092A 0B43066A | | 0.1 25V Z* 33P 50V J* |
| | | ••• • • • • • • • • • • • • • • • • • | C109 | 0B42622A | čč | 2.2 16V J* |
| U101 | 0B10691A | IC CXA2521Q* | C110 | 0B43092A | CC | 0.1 25V Z* |
| U102 | 0B10948A | IC CXD2587Q* | C111 | 0B42622A | CC | 2.2 16V J* |
| U103 U104 | 0B10947A 0B10942A | IC BA5972FP* IC BA6840BFP* | C112 C113 | 0B43080A 0B43224A | | 4700P 50V K* 1500P 50V K* |
| U105 | 0B10953A | IC TC4W53FU* | C114 | 0B43090A | čč | 47P 50V J* |
| U112 | 0B11613A | IC TC74HC00AF | C115 | 0B43216A | CC | 330P 50V J* |
| Q101 | 0B10731A | TR 2SB1132* | C116 | 0B43092A | CC | 0.1 25V Z* |
| Q102 Q103 | 0B14013A 0B10652A | TR DTC144EK* TR DTC144TK* | C117 C118 | 0B43216A 0B43207A | CC CC | 330P 50V J* 680P 50V J* |
| Q104 | 0B14013A | TR DTC144EK* | C119 | 0B43092A | čč | 0.1 25V Z* |
| X101 | 0B92063A | X'tal 16.9344MHz | C120 | 0B43064A | CC | 0.01 50V J* |
| D101 | 0B10539A | SID MA152WK* | C121 | 0B42793A | CE | 0.47 50V* 220P 50V J* |
| D102 L101 | 0B10540A 0B51300A | SID MA152WA* Inductor 10uH | C122 C123 | 0B43200A 0B43224A | CC CC | 1500P 50V J |
| L102,103 | 0B50287A | Coil 120uH* | C124 | 0843221A | čč | 0.047 25V K* |
| VR101,102 | 0B30212A | Semi-VR 22K* SIDE | C125 | 0B42792A | CE | 47 6.3V* |
| R101 | 0B21321A | RM 10 1/10W F* | C126 | 0B43092A | CC | 0.1 25V Z* 330 6.3V* |
| R102 R103 | 0B25571A 0B25590A | RK 22K 1/10W J* RK 130K 1/10W J* | C127 C128,129 | 0B42798A 0B43092A | CE CC | 0.1 25V Z* |
| R104 | 0B25595A | RK 220K 1/10W J* | C130,131 | 0B43060A | čč | 18P 50V J* |
| R105,106 | 0B25562A | RK 9.1K 1/10W J* | C132 | 0B43092A | CC | 0.1 25V Z* |
| R107,108 | 0B25556A | RK 5.1K 1/10W J* | C134 | 0B43092A | CC | 0.1 25V Z* |
| R109 R110 | 0B25514A 0B25575A | RK 91 1/10W J* RK 33K 1/10W J* | C135,136 C137,138 | 0B43207A 0B43207A | | 680P 50V J* 680P 50V J* |
| R111 | 0B25589A | RK 120K 1/10W J* | C139,140 | 0B43084A | čč | 0.033 50V K* |
| R112 | 0B25575A | RK 33K 1/10W J* | C141 | 0B43083A | CC | 0.022 50V K* |
| R113 | 0B25571A | RK 22K 1/10W J* | C144 | 0B42798A | CE | 330 6.3V* |
| R114 R115 | 0B25575A 0B25563A | RK 33K 1/10W J* RK 10K 1/10W J* | C145 C146 | 0B43092A 0B43221A | | 0.1 25V Z* 0.047 25V K* |
| R116 | 0B25587A | RK 100K 1/10W J* | C147 | 0B43064A | cc | 0.01 50V J* |
| R117 | 0B25611A | RK 1M 1/10W J* | C148 | 0B43092A | CC | 0.1 25V Z* |
| R118 | 0B25563A | RK 10K 1/10W J* | C149 | 0B42500A | CC | 2.2 16V* |
| R119,120 | 0B25551A | RK 3.3K 1/10W J* | C157 | 0B43080A | CC | 4700P 50V K* |

| Schematic Ref. No. | Part No. | Description |
|-----------------------|----------|------------------------|
| C162 | 0B42796A | CE 220 10V* |
| C163 | 0B43092A | CC 0.1 25V Z* |
| C170 | 0B42794A | CE 100 6.3V* |
| C171,172 | 0B43092A | CC 0.1 25V Z* |
| C173 | 0B43064A | CC 0.01 50V J* |
| C174 | 0B42797A | CE 33 10V* |
| CN101 | 0B84872A | 12P F Connector* |
| CN102 | 0B84874A | 6P F Connector* |
| CN103 | 0B84908A | 13P F Connector* |
| CN104 | 0B84870A | 24P Connector Header |
| TP136 | 0B81469A | 5P S-Post |
| | 0B84988A | 2P Connector Ass'y (1) |
| | 0E04046A | M2.6x3 + Pan (2) |
| | 0J08127B | P.C.B. Holder A (2) |



8. IC BLOCK DIAGRAMS

ł

)

U501 HD64F3437TF16 (System Control MPU)

| Pin No. | Pin Name | Signal Name | 1/0 | Function |
|---------|----------|-------------|-----|--|
| 1 | RES | RESET | I | System reset signal. |
| 2 | XTAL | XTAL | | System clock (16 MHz). |
| 3 | EXTAL | EXTAL | | System clock (16 MHz). |
| 4 | VCCB | VCCB | - | +5V. |
| 5 | MD1 | MD1 | 1 | MPU mode select signal-1. |
| 6 | MDO | MD0 | 1 | MPU mode select signal-2. |
| 7 | CLOCK | CLOCK | 1 | Clock pulse for counting the "Clock". |
| 8 | FVPP/ST | FVPP/ST | I | VPP (+5V) signal. |
| 9 | VCC | vcc | _ | +5V. |
| 10 | LOCK-PIN | LOCK-PIN | 1 | (Not used.) |
| 11 | TRPOSMOV | TRPOSMOV | i | (Not used.) |
| 12 | CLKIN | CLKIN | I | Clock pulse from CDC. |
| 13 | DATAIN | DATAIN | 1 | Data signal from CDC. |
| 14 | CLR | CLR | 0 | Reset signal to clock IC. |
| 15 | VSS | VSS | | GND. |
| 16 | MTR1 | MTR1 | 0 | Traverse mechanism motor drive signal-1. |
| 17 | P96 | P96 | Ι | (Not used.) |
| 18 | MSTLD1 | MSTLD1 | 0 | Loading belt/stocker motor drive signal-1. |
| 19 | MSTLD2 | MSTLD2 | 0 | Loading belt/stocker motor drive signal-2. |
| 20 | ST-PLAY | ST-PLAY | Ι | Stocker play position signal. |
| 21 | ST-REF | ST-REF | Ι | Stocker home position signal. H: Home position. |
| 22 | MTR2 | MTR2 | 0 | Traverse mechanism motor drive signal-2. |
| 23 | BSENS | BSENS | I | Battery voltage sensing signal. |
| 24 | ASENS | ASENS | I | ACC voltage sensing signal. |
| 25 | SCOR | SCOR | I | Sub-Q interrupt signal from DSP (Digital Signal Processor) IC. |
| 26 | CLAMPER | CLAMPER | 1 | Clamper plate clamping signal. H: Clamping |
| 27 | TEMP | TEMP | 1 | (Not used.) |
| 28 | REMIN | REMIN | Ι | Remote control signal. |
| 29 | ST-PLS | ST-PLS | 1 | Stocker pulse. |
| 30 | LD-PLT1 | LD-PLT1 | ł | Loading cam plate position signal-1. |
| 31 | LD-PLT2 | LD-PLT2 | I | Loading cam plate position signal-2. |
| 32 | TRUD-PLS | TRUD-PLS | ţ | Traverse up/down pulse. |
| 33 | LDC-PLS | LDC-PLS | I | Loading belt/stocker motor turning pulse. |
| 34 | P-ARM1 | P-ARM1 | 1 | Loading guide position signal-1. |
| 35 | P-ARM2 | P-ARM2 | 1 | Loading guide position signal-2. L: No disc |
| 36 | AVREF | AVREF | | +5V. |
| 37 | AVCC | AVCC | | +5V. |
| 38 | KIO | KI0 | 1 | Key input signal-0. (Analog port) |
| 39 | KI1 | KI1 | 1 | Key input signal-1. (Analog port) |

| Pin No. | Pin Name | Signal Name | 1/0 | Function |
|---------|----------|-------------|----------|--|
| 40 | AREA | AREA | I | Area setting signal. (Analog port) |
| 41 | MODEL | MODEL | 1 | Model setting signal. (Analog port) |
| 42 | S-METER | S-METER | 1 | Reception signal level. (Analog port) |
| 43 | TE | TE | 1 | (Not used.) |
| 44 | DA0 | DA0 | 1 | (Not used.) |
| 45 | DA1 | DA1 | 1 | (Not used) |
| 46 | AVSS | AVSS | — | GND. |
| 47 | SHUTTER | SHUTTER | 1 | Shutter ON/OFF signal. |
| 48 | LDC-REF | LDC-REF | 1 | Loading cam reference position detecting pulse. |
| 49 | AD-REF | AD-REF | 0 | +5V ON/OFF signal for A/D conversion circuit. |
| 50 | BEEP | BEEP | 0 | Beep sound signal. |
| 51 | VRCE | VRCE | 0 | Chip enable signal for electronic volume IC in the preamp. |
| 52 | CDC/AUX | CDC/AUX | 0 | CDC/AUX source select signal. (Set to "L (CDC)".) |
| 53 | ST | ST | | Stereo signal from tuner circuit. |
| 54 | DATAI | DATAI | | Serial data from tuner circuit. |
| 55 | ST/MONO | ST/MONO | 0 | Forcible monaural signal. (Set to "L (Stereo)".) |
| 56 | TCE | TCE | 0 | Chip enable signal for tuner circuit. |
| 57 | CLK | CLK | 0 | Clock to tuner, electronic volume and display circuits. |
| 58 | DATAO | DATAO | 0 | Serial data to tuner circuit, dispaly circuit, and Pre P.C.B. Ass'y. |
| 59 | VCC | VCC | | +5V. |
| 60 | MGUIDE1 | MGUIDE1 | 0 | Loading cam motor drive signal-1. |
| 61 | MGUIDE2 | MGUIDE2 | 0 | Loading cam motor drive signal-2. |
| 62 | CDC | CDC | 0 | CD changer mute enable signal. |
| 63 | ACCCONT | ACCCONT | 0 | ACC control signal. |
| 64 | DSPSEL | DSPSEL | 0 | DSP IC select signal. |
| 65 | CDCRST | CDCRST | 1/0 | CDC reset signal. |
| 66 | CLKOUT | CLKOUT | 0 | Clock to CDC. |
| 67 | DATAOUT | DATAOUT | 0 | Serial data to CDC. |
| 68 | MUTE | MUTE | 0 | Audio mute signal. |
| 69 | SEL1 | SLEL1 | 0 | Clear signal for IC in Pre P.C.B. Ass'y. |
| 70 | VSS | VSS | | GND. |
| 71 | VSS | VSS | <u> </u> | GND. |
| 72 | LDON | LDON | 0 | Laser ON signal. |
| 73 | ENCLK | ENCLK | 0 | DSP IC enable clock. |
| 74 | IR | IR | 0 | IR ON signal. |
| 75 | FOK | FOK | 1 | Focus OK signal. |
| 76 | SCLK | SCLK | 0 | Clock to read servo parameter from DSP IC. |
| 77 | GFS | GFS | I | GFS OK signal from DSP IC. |
| 78 | LSICLK | CDCLK | 0 | Clock for reading DSP command. |
| 79 | FVCC | FVCC | 0 | +5V ON/OFF signal for front panel circuit. |

| Pin No. | Pin Name | Signal Name | 1/0 | Function |
|---------|----------|-------------|-----|--|
| 80 | LSISENS | SENSE | 1 | DSP IC sensing signal. |
| 81 | LSIDATA | DATA | 0 | DSP command data. |
| 82 | LSIXLT | XLAT | 0 | DSP command latch pulse. |
| 83 | CDRST | CDRES | 0 | DSP IC reset signal. |
| 84 | SQSO | SQSO | 1 | Sub-Q data from DSP IC. |
| 85 | SQCK | SQCK | 0 | Sub-Q clock to DSP IC. |
| 86 | ICE | ICE | 0 | Security LED drive signal. |
| 87 | INH | INH | 0 | LCD display inhibit signal. |
| 88 | LCE | LCE | 0 | Chip enable signal for LCD driver IC. |
| 89 | SEL2 | SEL2 | 0 | CD control signal. |
| 90 | P.ON | P.ON | 0 | Amp. circuit/driver circuit power ON/OFF control signal. |
| 91 | LAMP | LAMP | 0 | Front panel lamp power ON/OFF control signal. |
| 92 | VSS | VSS | - | GND. |
| 93 | CDON | CDON | 0 | CD Servo circuit power ON/OFF control signal. |
| 94 | MECHON | MECHON | 0 | Mechanism sensor circuit power ON/OFF control signal. |
| 95 | REMOTE | REMOTE | 0 | Power amp. remote control signal. |
| 96 | P.ANT | P.ANT | 0 | Power antenna control signal. |
| 97 | TXD1 | TXD1 | 1 | (Not used.) |
| 98 | RXD1 | RXD1 | Ι | (Not used.) |
| 99 | SCK1 | SCK1 | 1 | (Not used.) |
| 100 | RESO | RESÖ | | (Not used.) |

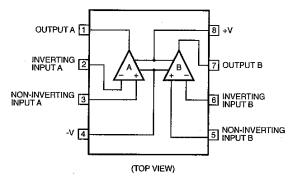


Fig. 8.1 Operational Amp. NJM4558, NJM5532, μPC4570

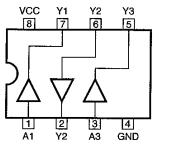


Fig. 8.2 Buffer TC7W34FU (U505, 506, 507)

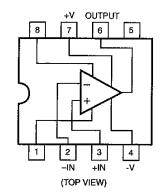
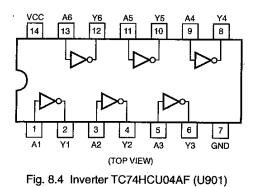
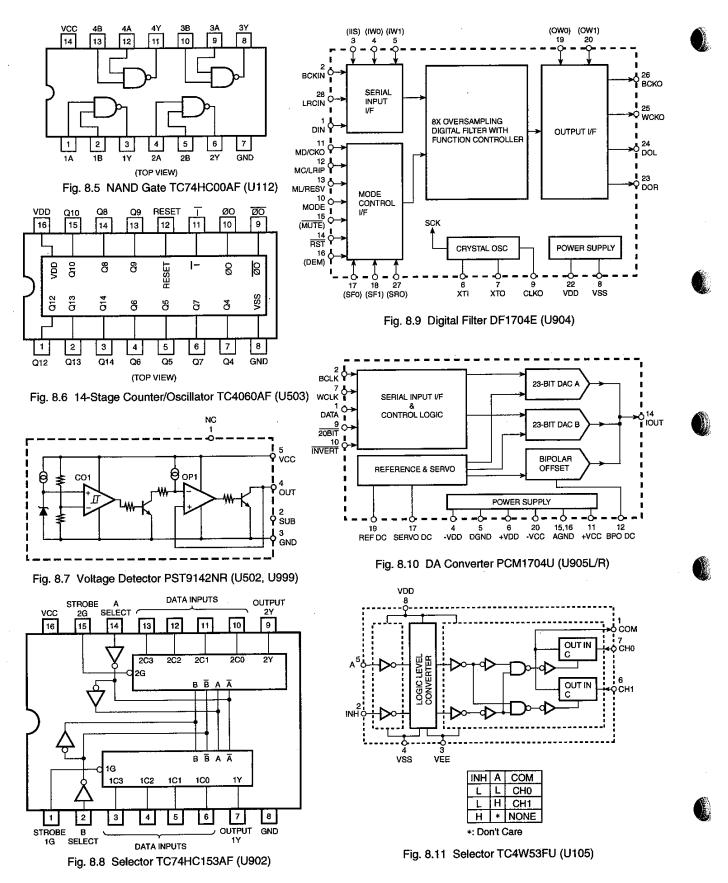
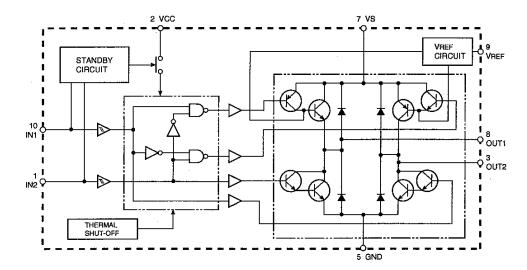


Fig. 8.3 Operational Amp. NJM5534 (U906L/R)









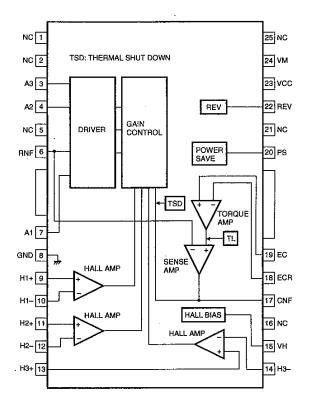


Fig. 8.13 Motor Driver BA6840BFP (U104)

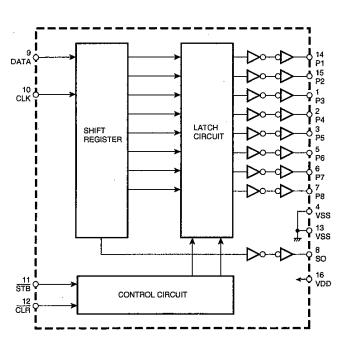


Fig. 8.14 8-Bit Serial-To-Parallel Converter NJU3712M (U301)

COM1 COM2 COM3 S52 S51 ----- S1 53 54 55 52 51 1 റ Ŷ 0 റ C 58 VDD1 COMMON LATCH & DRIVER DRIVER 59 VDD2 <u>57</u> INH SHIFT REGISTER ADDRESS CLOCK 61 DETECTOR GENERATOR OSC 64 63 62 56 60 VSS VDD Dł CL CE

Fig. 8.15 LCD Driver LC75823W (IC701)

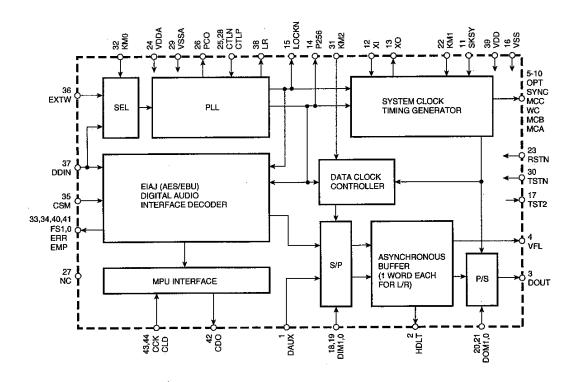
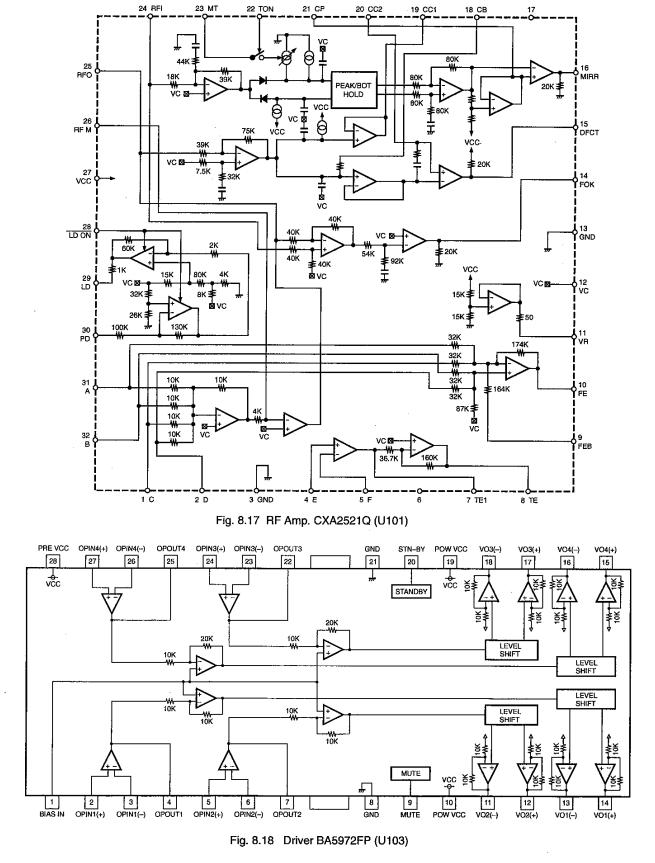


Fig. 8.16 Digital Audio Interface Receiver YM3436D (U903)



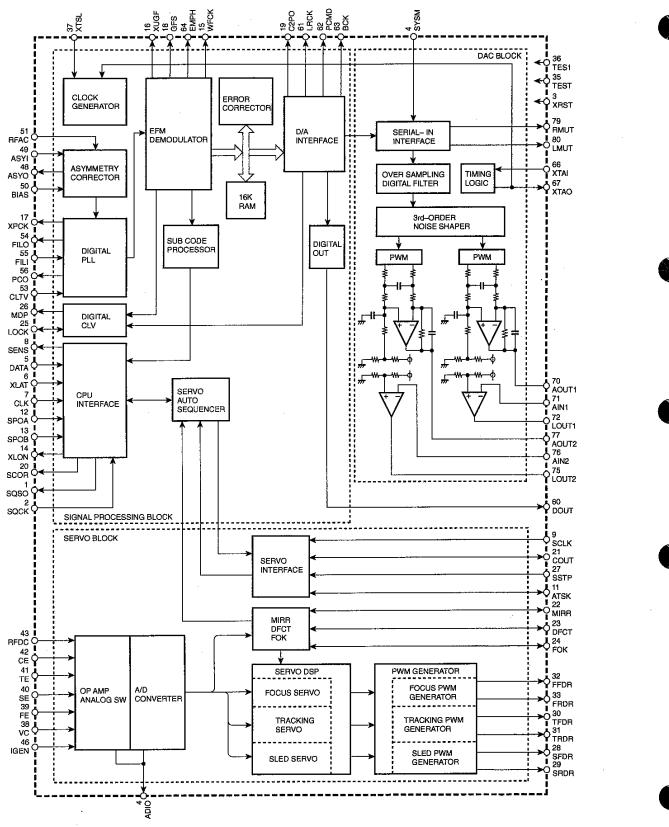
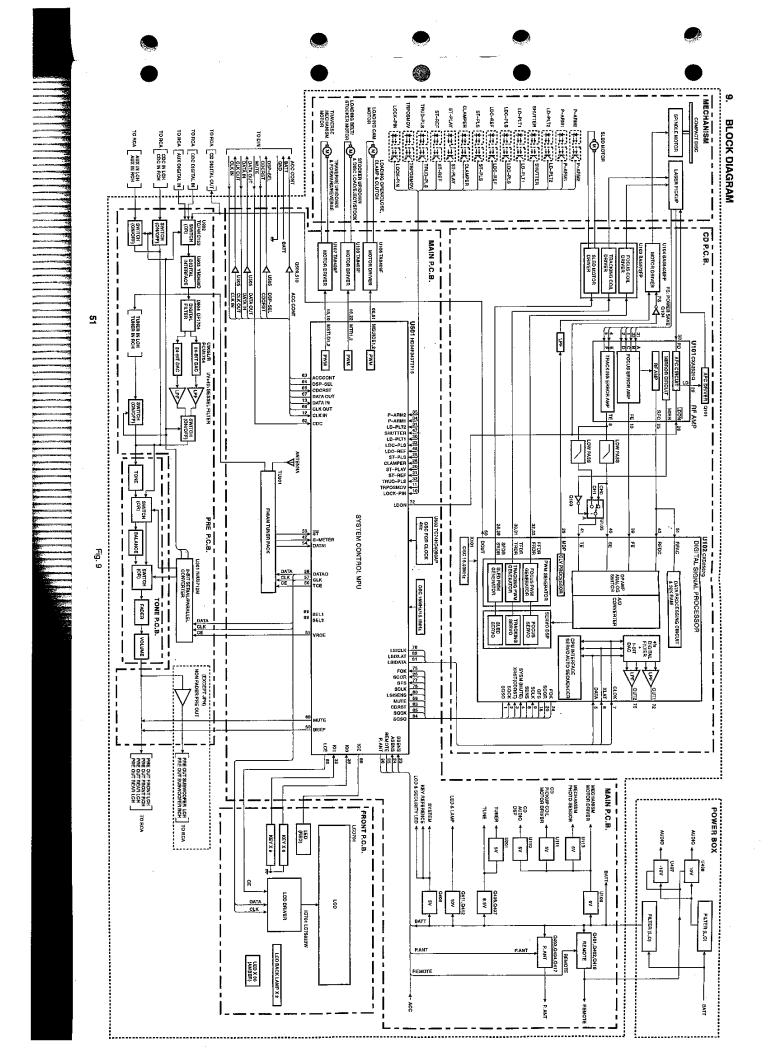
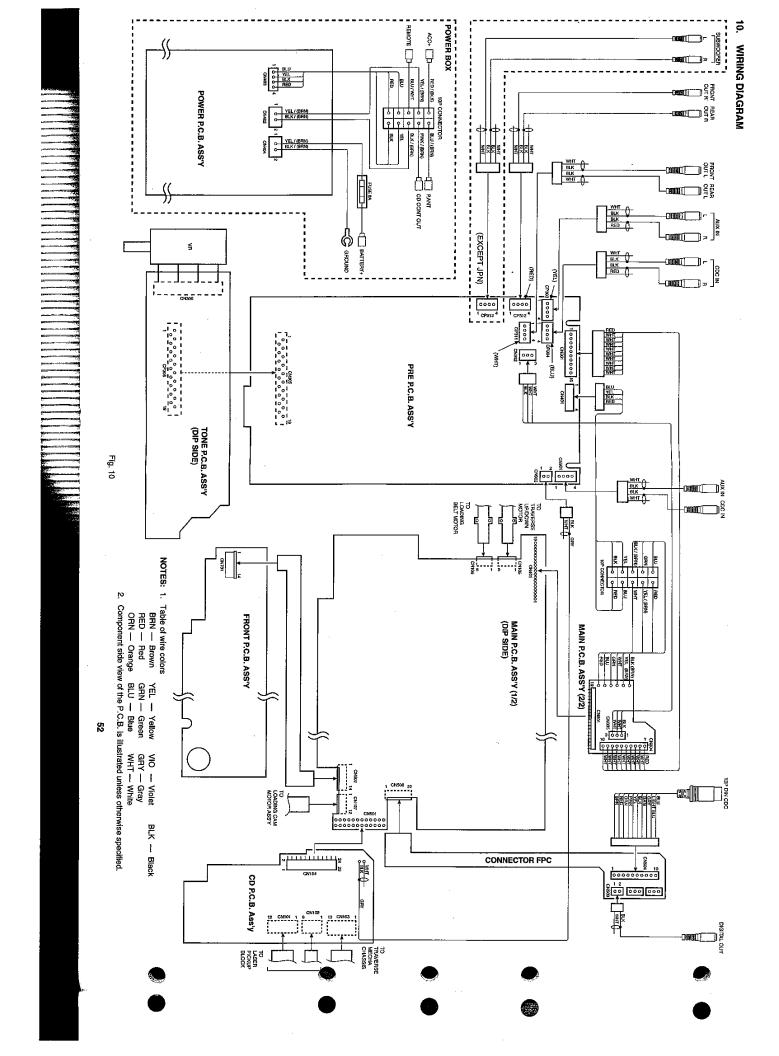


Fig. 8.19 Digital Signal Processor CXD2587Q (U102)





SPECIFICATIONS

Preamplifier Section

| Frequency Response | 15 - 30,000 Hz \pm 1 dB (AUX to Pre Out) |
|---------------------------|--|
| Total Harmonic Distortion | 0.001% (1 kHz) |
| AUX Input Level/Impedance | 1 V/ 10 kohms |
| CDC Input Level/Impedance | 1 V/ 10 kohms |
| Output Level | 5.0 V |
| Tone Controls | |
| Bass | 20 Hz ±12 dB |
| Mid | 1 kHz ± 9 dB |
| Treble | 20 kHz \pm 6 dB |

• FM Tuner Section

Frequency Range87.5 - 107.9 MHz in 100-kHz stepsOther Area87.5 - 108.0 MHz in 50-kHz stepsSensitivity15 dBf (IHF)Signal-to-Noise Ratio60 dB (Mono)Stereo Separation35 dBAntenna Input75 ohms (Unbalanced)

AM Tuner Section

Frequency Range

| U.S.A. and Canada | 530 - 1,710 kHz in 10-kHz steps |
|-----------------------|---------------------------------|
| Other Area | 531 - 1,602 kHz in 9-kHz steps |
| Sensitivity | 32 dBµ |
| Signal-to-Noise Ratio | 45 dB |

CD Player Section

| System | Compact Disc digital audio |
|---------------------------|---|
| Error Correction | CIRC Principle |
| Sampling Frequency | 44.1 kHz |
| D/A Converter Type | 24-bit D/A converter with 8-times oversampling digital filter |
| Frequency Response | 20 - 20,000 Hz ± 1 dB |
| Signal-to-Noise Ratio | Better than 105 dB |
| Dynamic Range | Better than 100 dB |
| Total Harmonic Distortion | 0.003% (1 kHz) |

General

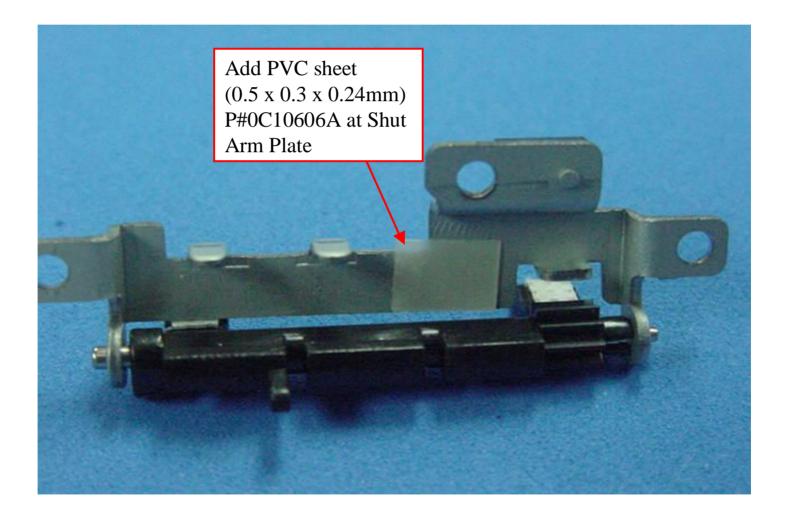
| Power Source | 14.4 VDC, negative ground (10.8 - 15.6 V allowable) |
|-------------------------------------|---|
| Current Consumption | 2.5A |
| Installation Dimensions (W x H x D) | |
| Main Unit | 178 (W) x 50 (H) x 159.5 (D) mm |
| | 7 (W) x 1-15/16 (H) x 6-1/4 (D) inches |
| Outer Dimensions* (W x H x D) | |
| Main Unit | 178 (W) x 46 *(H) x 177.8 (D) mm |
| | 7 (W) x 1-15/16* (H) x 7 (D) inches |
| Power Supply Unit | 137 (W) x 31.2 (H) x 85 (D) mm |
| | 5-3/8 (W) x 1-1/4 (H) x 3-3/8 (D) inches |



Improvements of 6 Disc & CD-700 / CD-700II Mechanism

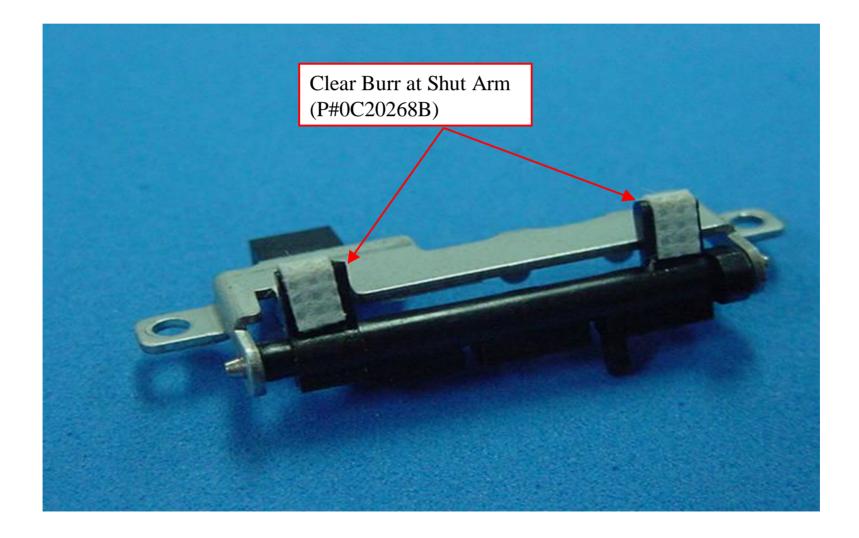


1(i) Prevent CD Auto Eject: Shutter sensor is not activated properly (Loading Ass'y)



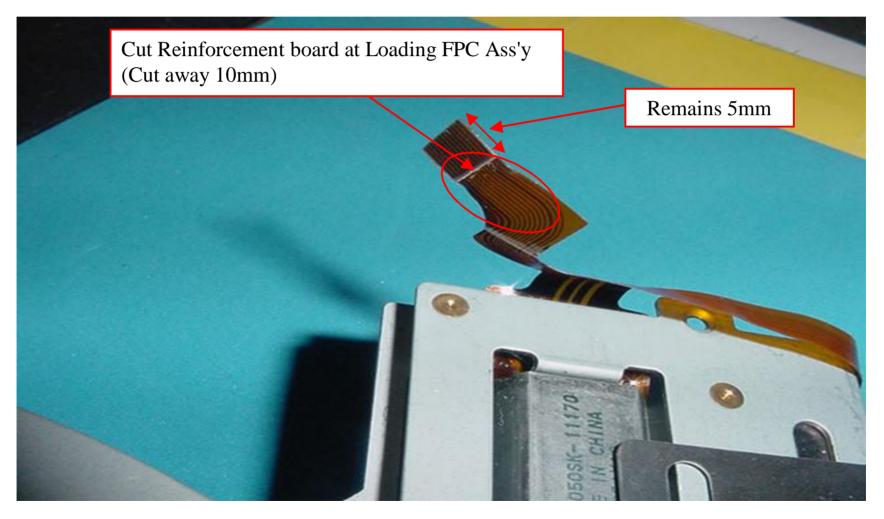


1(ii) Prevent CD Auto Eject: Shutter sensor is not activated properly (Loading Ass'y)



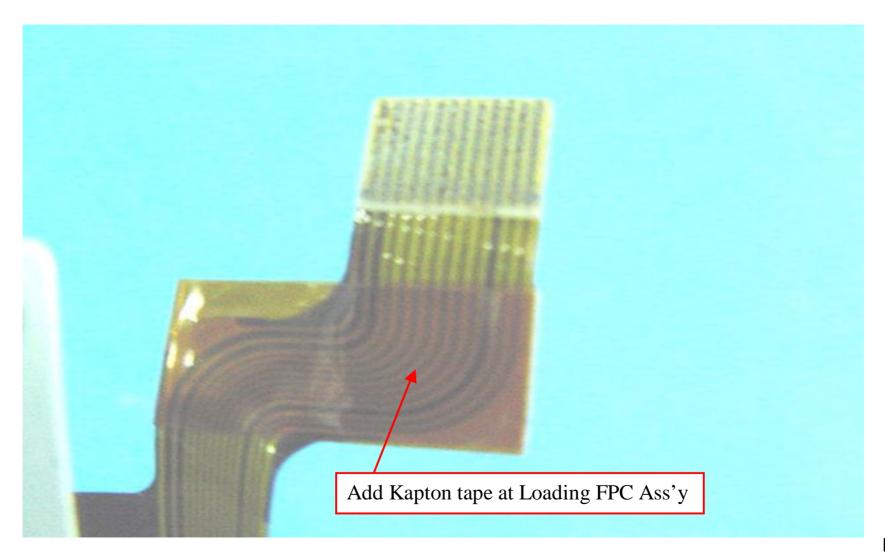
Nakamichi

2(i) Prevent E-mecha: bad solder joint due to insertion force at CN107 (Main PCB Ass'y) Resolder or replace CN107 for repair



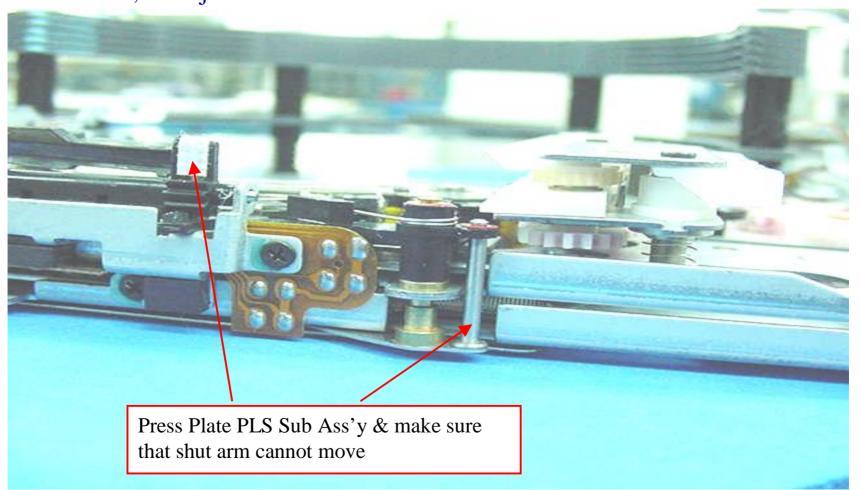


2(ii) Strengthen Loading FPC Ass'y (Loading Ass'y)



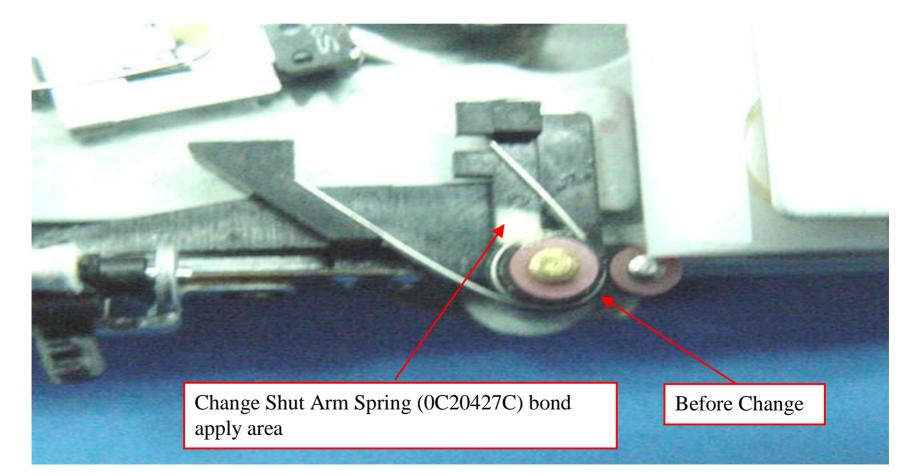
Nakamichi

3(i) Prevent E-mecha: loading CAM Mechanism jamming (Loading Ass'y)If it moves, check if the 3 teeth of the shut arm rack comes out when shut arm is in vertical position.If no, re-adjust the shut arm.



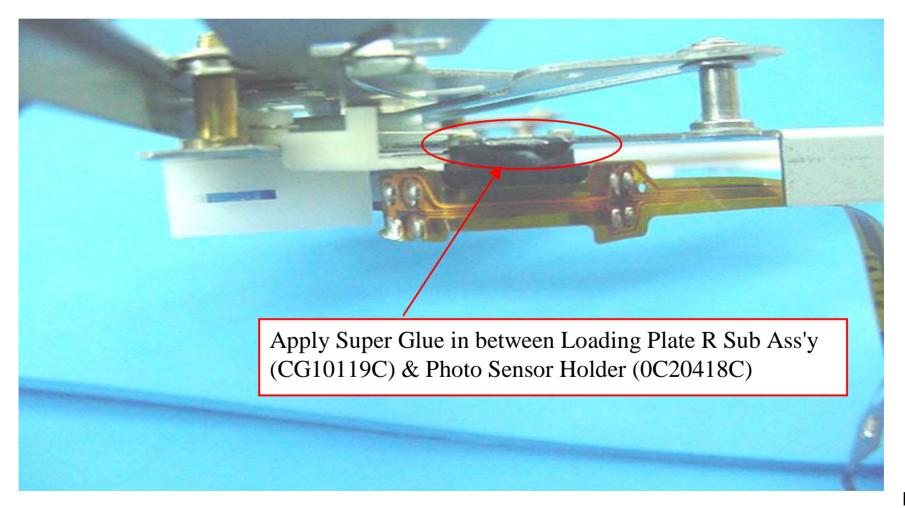


3(ii) Prevent E-mecha: shut arm movement not smooth (Loading Ass'y)



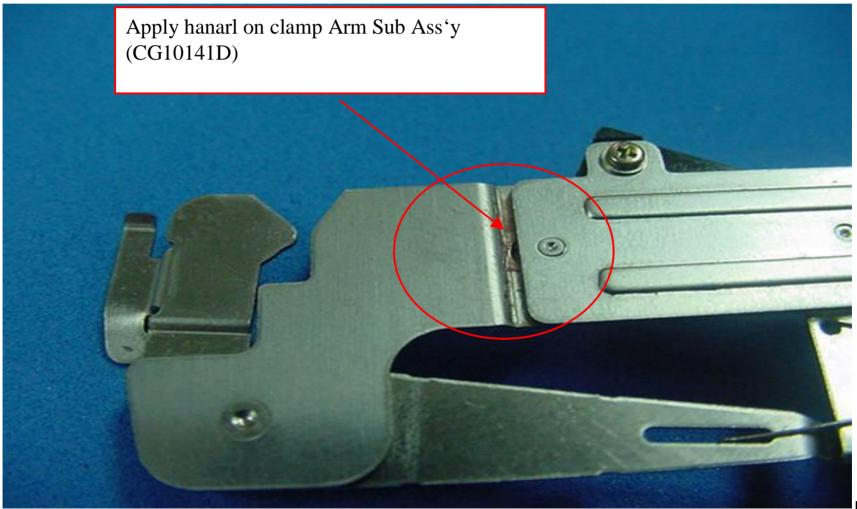


3(iii) Prevent E-mecha: loading CAM Mechanism jamming (Loading Ass'y)(6 Disc Mechanism)



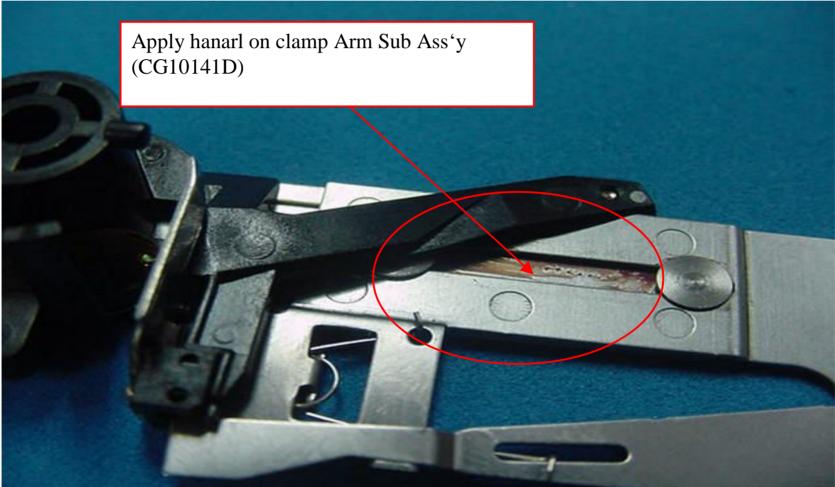


4(i) Prevent E-mecha: clamper arm does not catch clamp plate (Clamper Ass'y)





4(ii) Prevent E-mecha: clamper arm does not catch clamp plate (Clamper Ass'y)



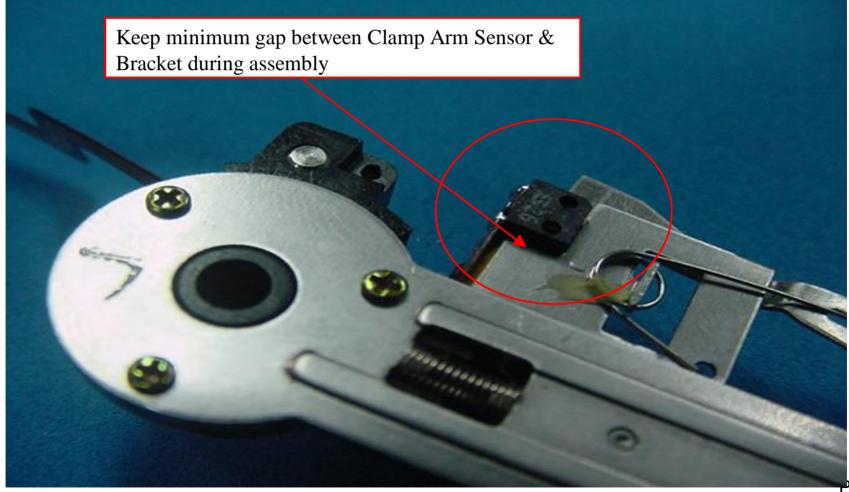


4(iii) Prevent E-mecha: clamper arm does not catch clamp plate (Clamper Ass'y)



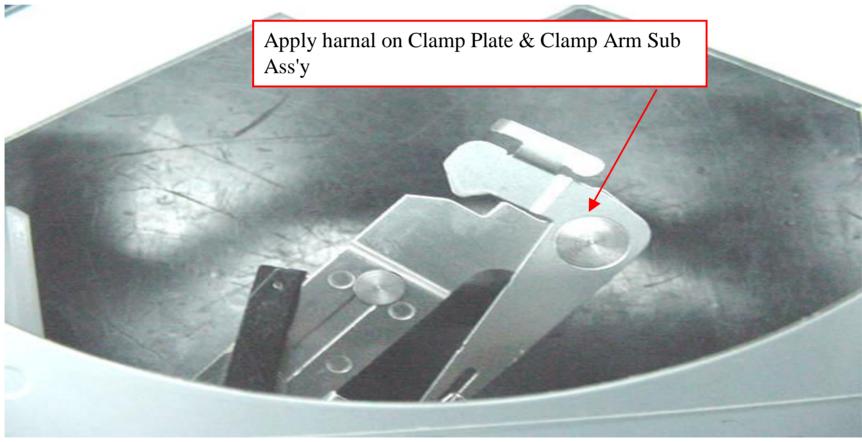


4(iv) Prevent E-mecha: clamper arm does not catch clamp plate (Clamper Ass'y)Change clamp arm sensor if the gap is too big.





4(v) Prevent E-mecha: clamper arm does not catch clamp plate (Clamper Ass'y)





4(vi) Prevent E-mecha: clamper arm does not catch clamp plate (Clamper Ass'y)



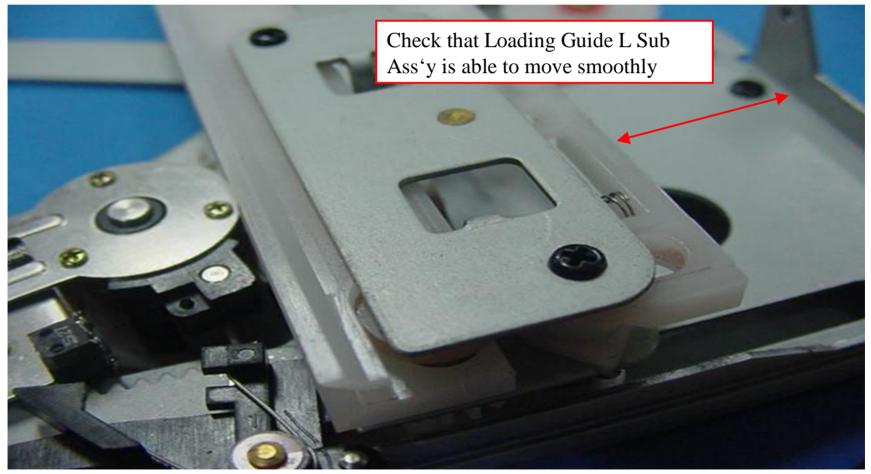


4(vii) Prevent E-mecha: clamper arm does not catch clamp plate (Clamper Ass'y)



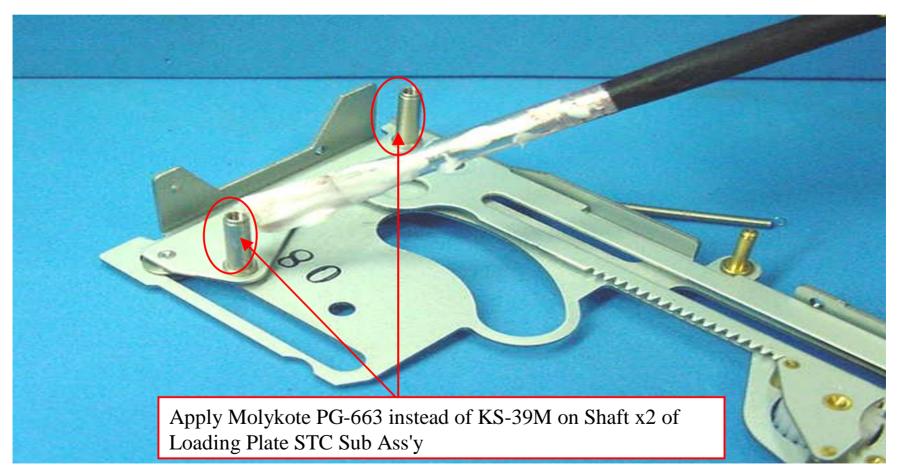


5(i) Prevent E-mecha: loading guides does not hold disc correctly when closed (Loading guide Ass'y)





5(ii) Prevent E-mecha: loading guides does not hold disc correctly when closed (Loading guide Ass'y)



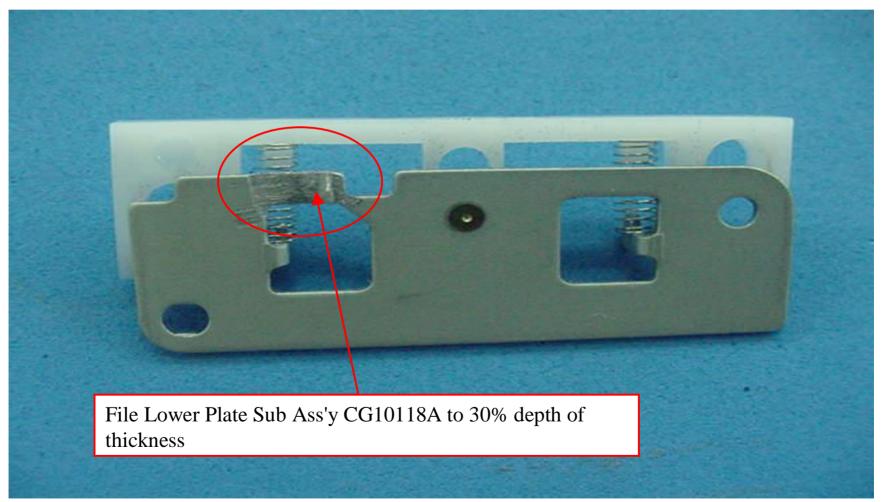


5(iii) Prevent E-mecha: loading guides does not hold disc correctly when closed (Loading guide Ass'y)



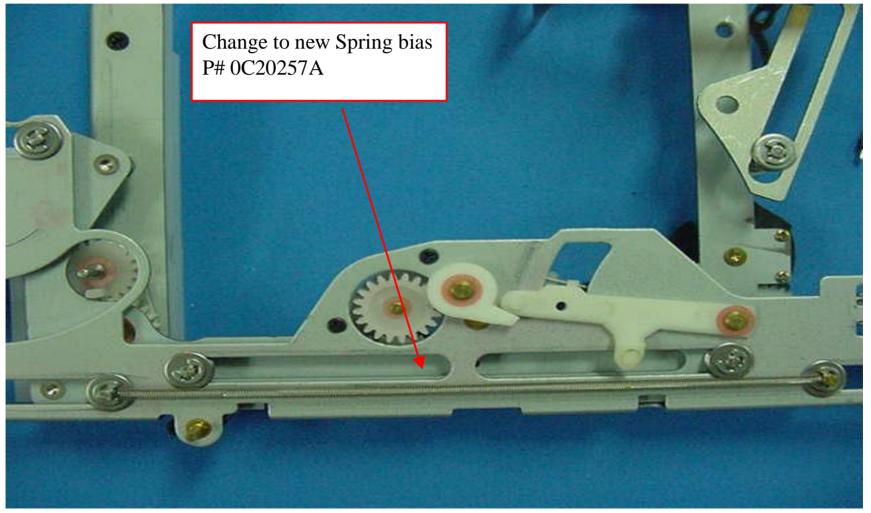


5(iv) Prevent E-mecha: lower plate sub ass'y may touch to traverse vertical screw during disc change (Loading guide Ass'y) Change to modified spare part



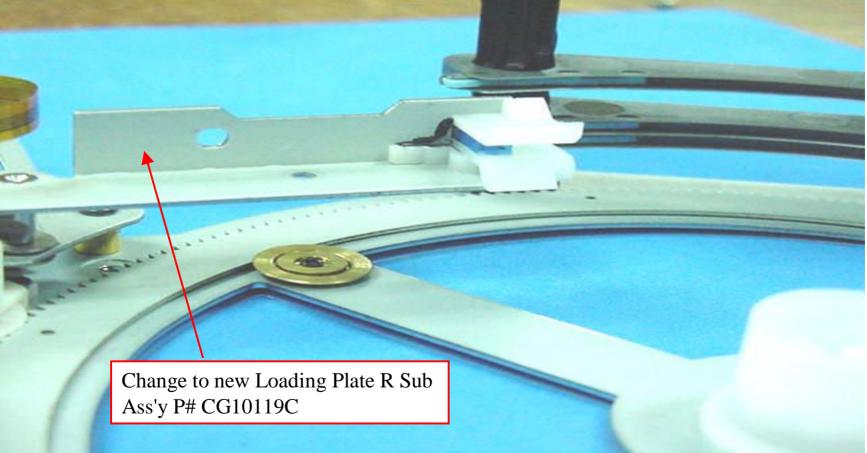


6 Improve 8cm Disc Eject: 8cm Disc does not eject (Loading guide Ass'y)



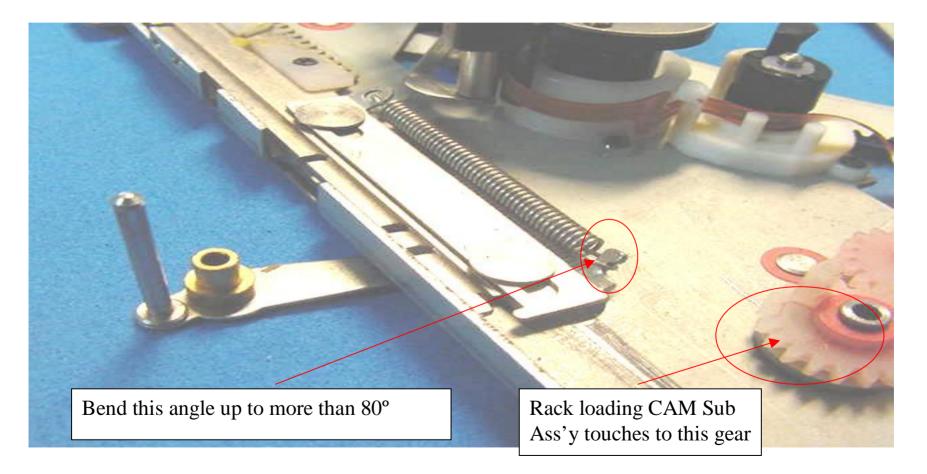


7 Prevent E-mecha: loading guide R touches to lock guide top (Loading Guide Ass'y)



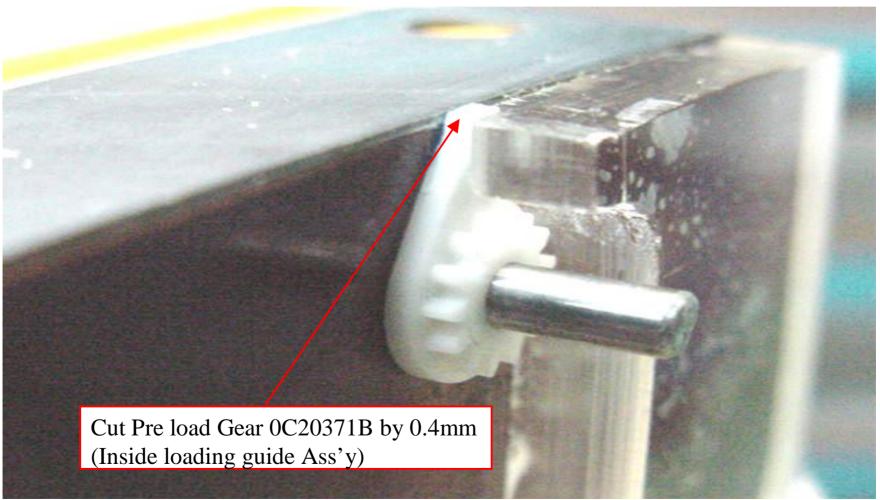


8 Prevent E-mecha: loading guide jamming (Loading Guide Ass'y)



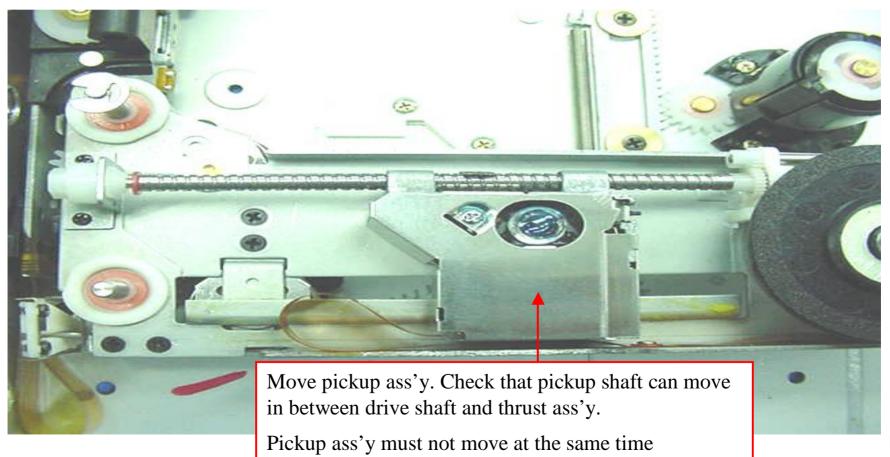


9 Prevent E-mecha: eject jamming (Loading Guide Ass'y) Change to modified spare part





10(i) Prevent CD skip: CD skip (Traverse Mecha Chassis Ass'y) Change traverse mecha chassis ass'y if pickup ass'y moves



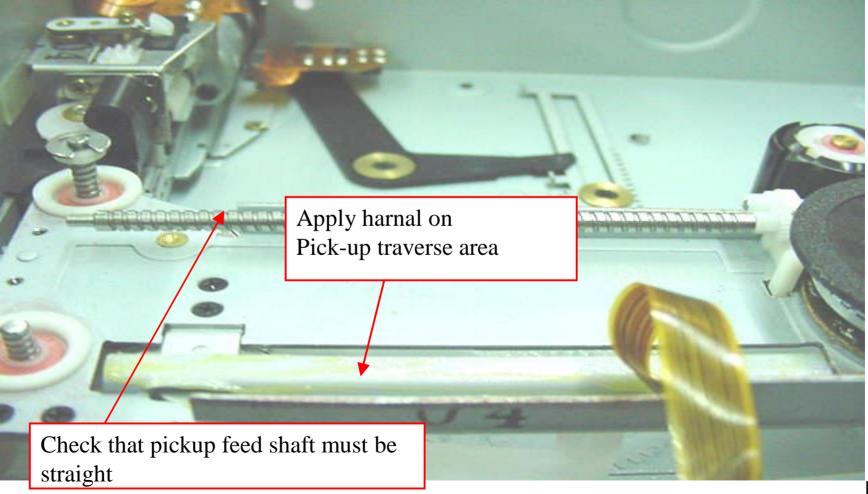


10(ii) Prevent CD skip: CD skip at low temperature (Traverse Mecha Chassis Ass'y)When fixing Pickup Feed Shaft into Drive Shaft Guide Ass'y, make sure the Pickup feed shaft must be straight

10(iii) Prevent CD skip: CD skip at low temperature (Traverse Mecha Chassis Ass'y) Apply "Harnal" on the top & bottom of Traverse Mecha Sub Ass'y (pick up traverse area)

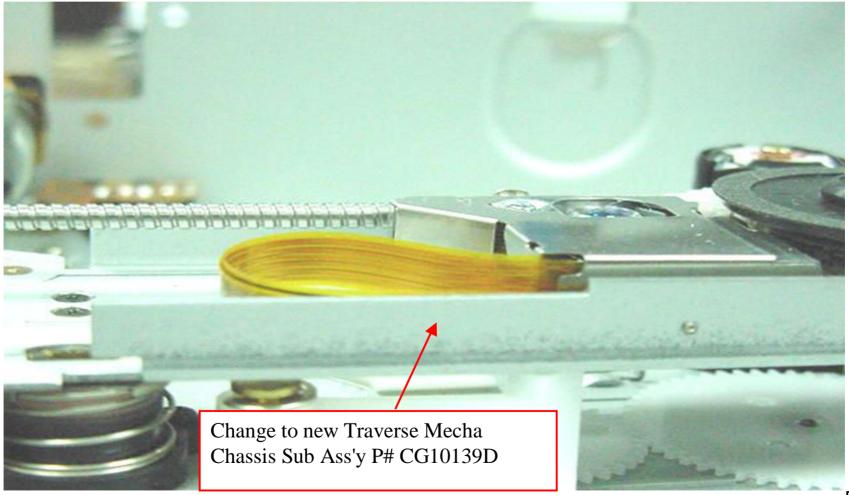


10(ii) & 10(iii) Prevent CD skip: CD skip at low temperature (Traverse Mecha Chassis Ass'y)



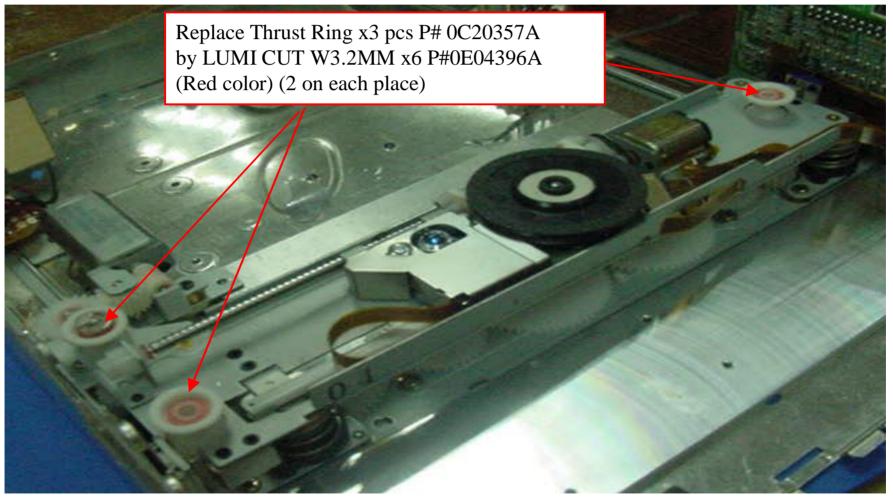


11 Prevent E-mecha: loading guide L touches to traverse mecha chassis ass'y (Traverse Mecha Chassis Ass'y)



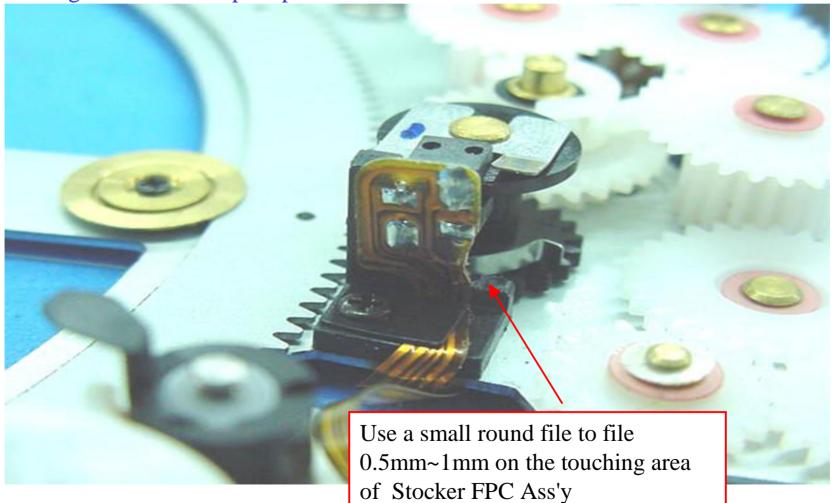


12 Prevent E-mecha: Thrust ring comes out when traverse mechanism moves up & down (Traverse Mecha Chassis Ass'y)



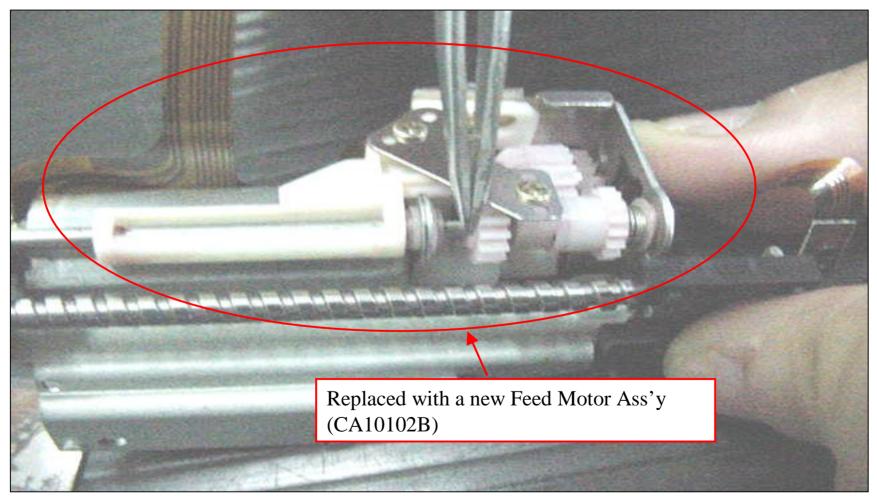


13 Prevent E-mecha: stocker FPC ass'y touches with loading roller guide ass'y (Loading Chassis Ass'y)(6 Disc mechanism only)Change to modified spare part



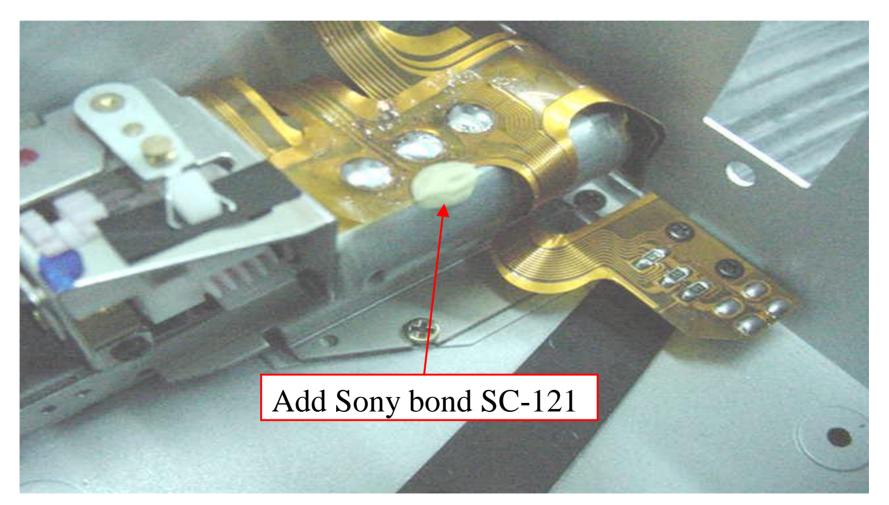


14(i) Prevent E-mecha: Gear damage (Feed motor Ass'y)(6 Disc mechanism only)



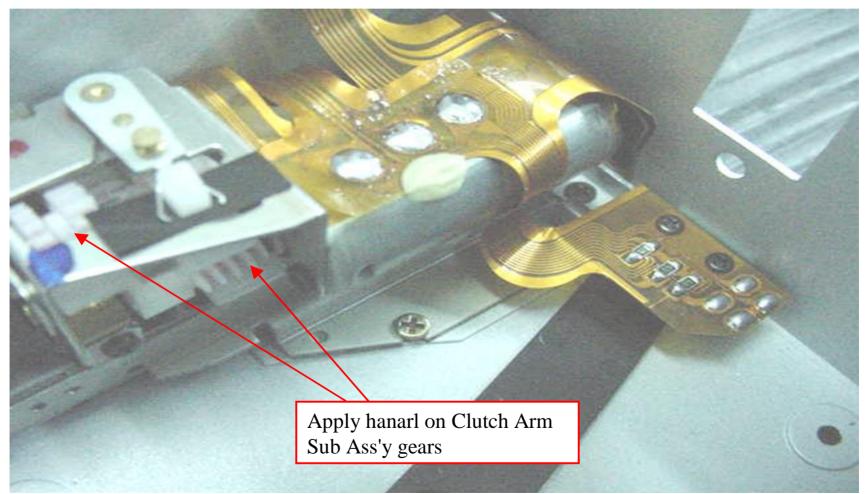


14(ii) Prevent E-mecha: Gear damage (Feed motor Ass'y)(6 Disc mechanism only)



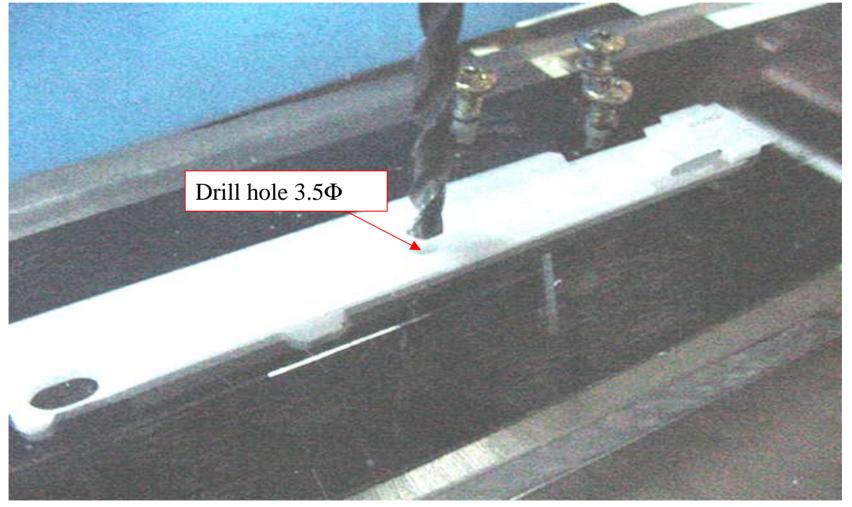


15 Prevent E-mecha: clamper arm does not catch clamp plate(Clamper Ass'y)(6 Disc mechanism only)



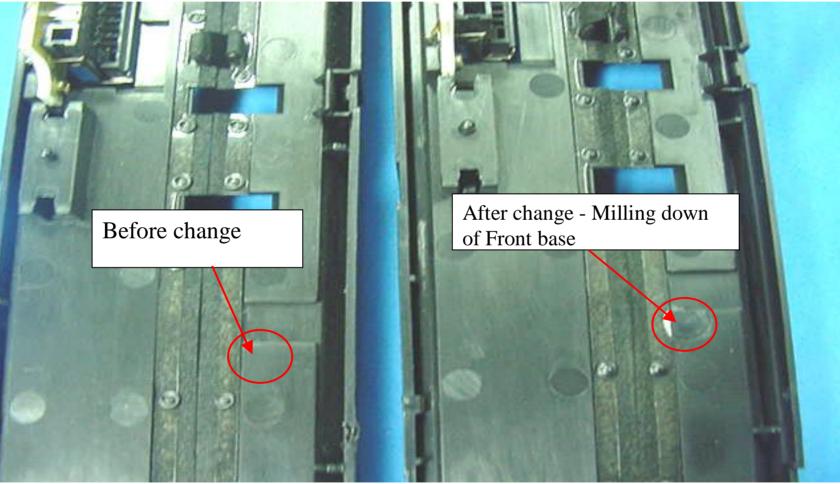


16 Prevent E-mecha: loading guides does not hold disc correctly when closed (Loading guide Ass'y) Change to modified part





17 Prevent CD cannot insert: Plate PLS Sub Ass'y touches to Front Base (Front Base Ass'y) Change to modified part





Summary

- Most of the improvements are in the Loading Assembly (Part # CA10105).
- Traverse Mecha Chassis Assy.
- Feed Motor Assy
- Front Base Assy