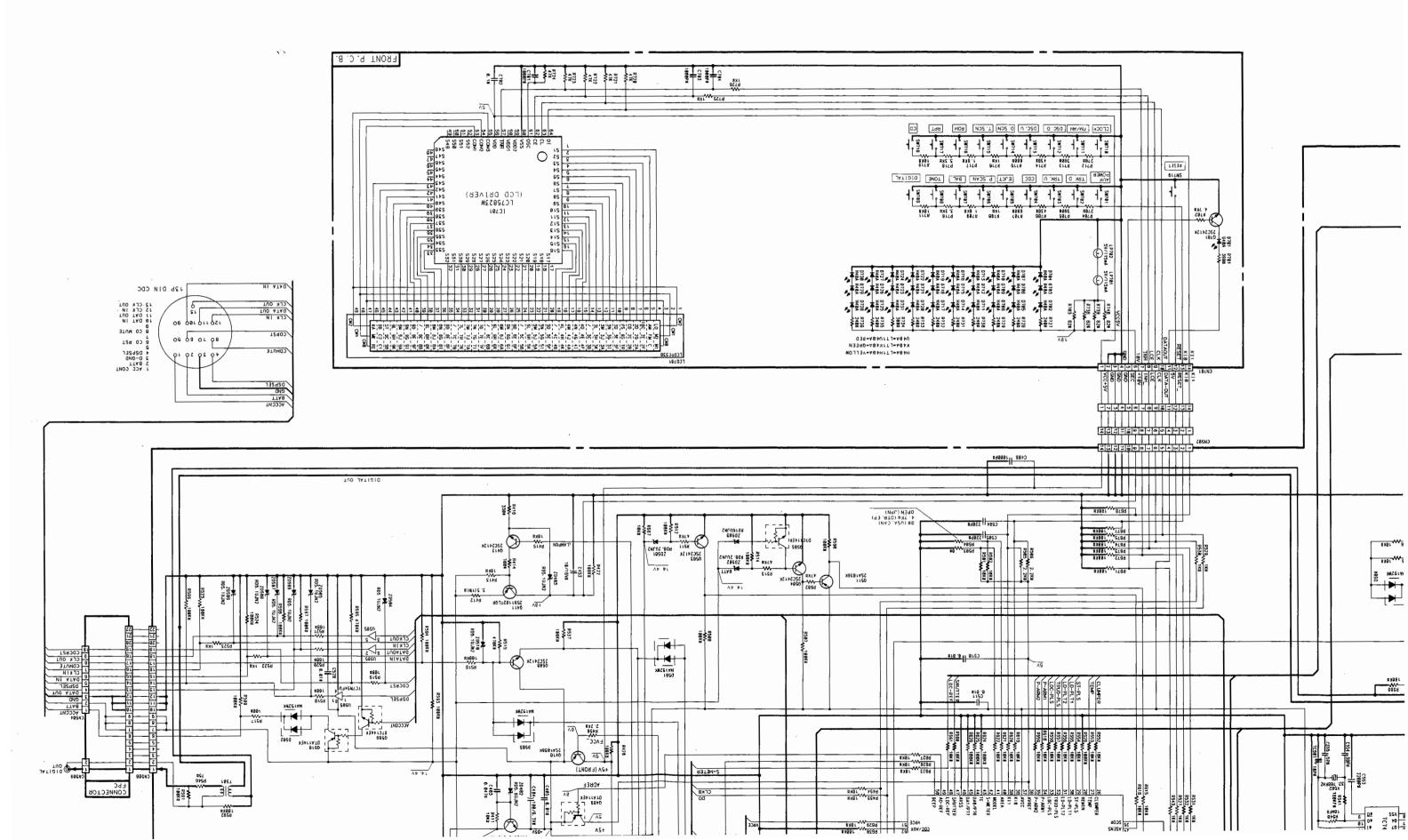
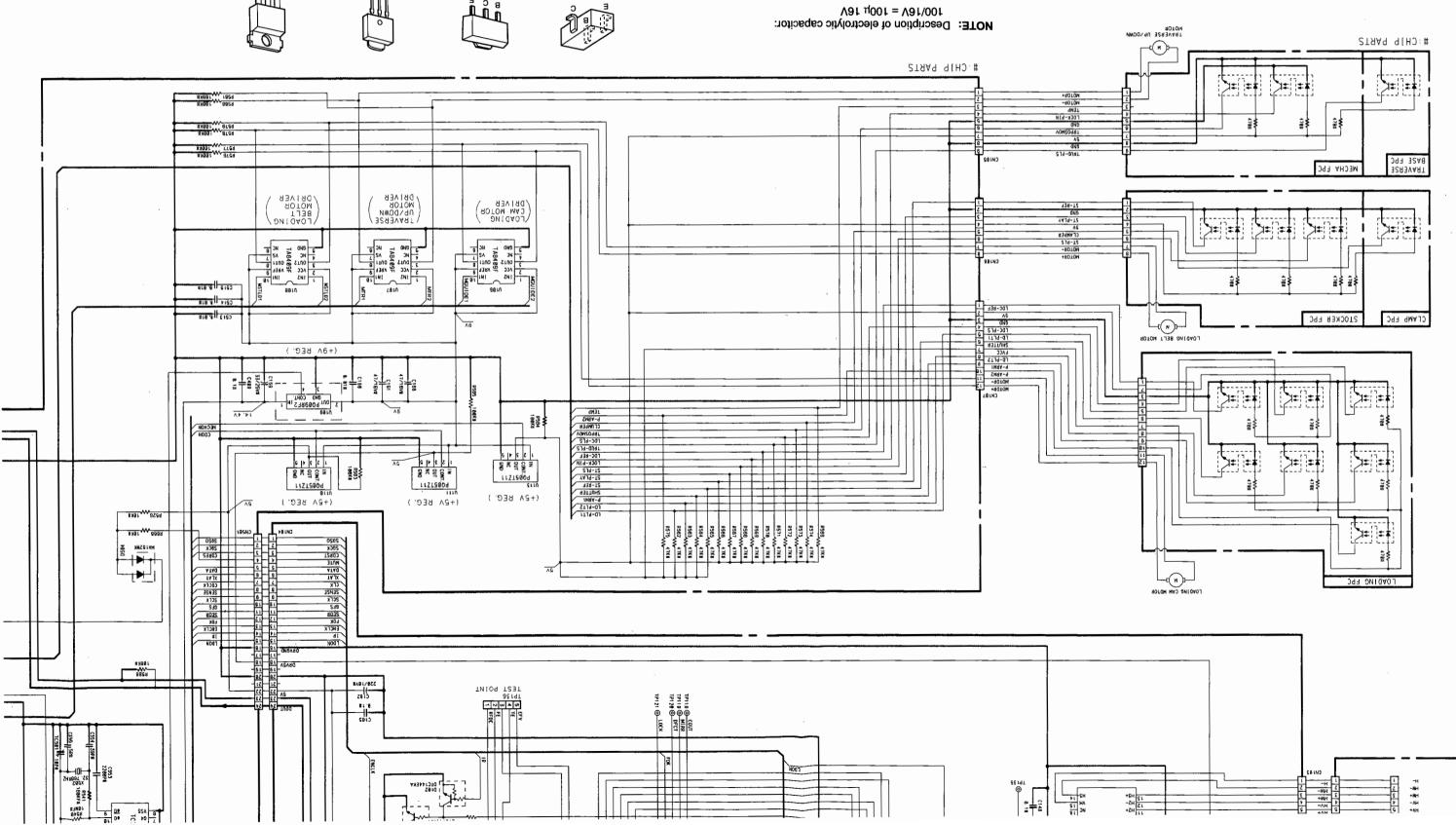


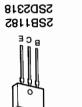
CD-700







AU2087MLN TUO OND (V+) NI



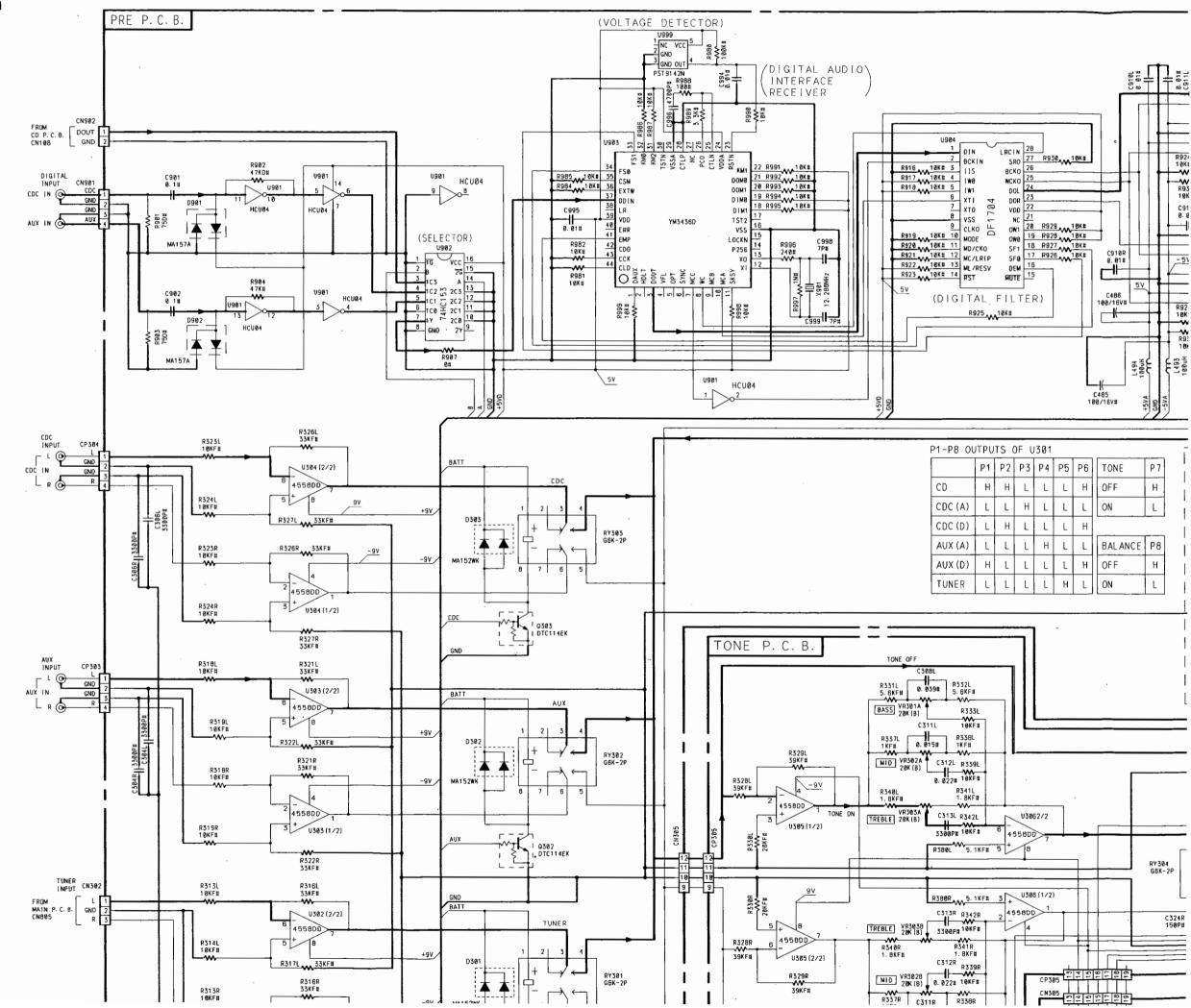


DTA114EK 52C5415 52V1036

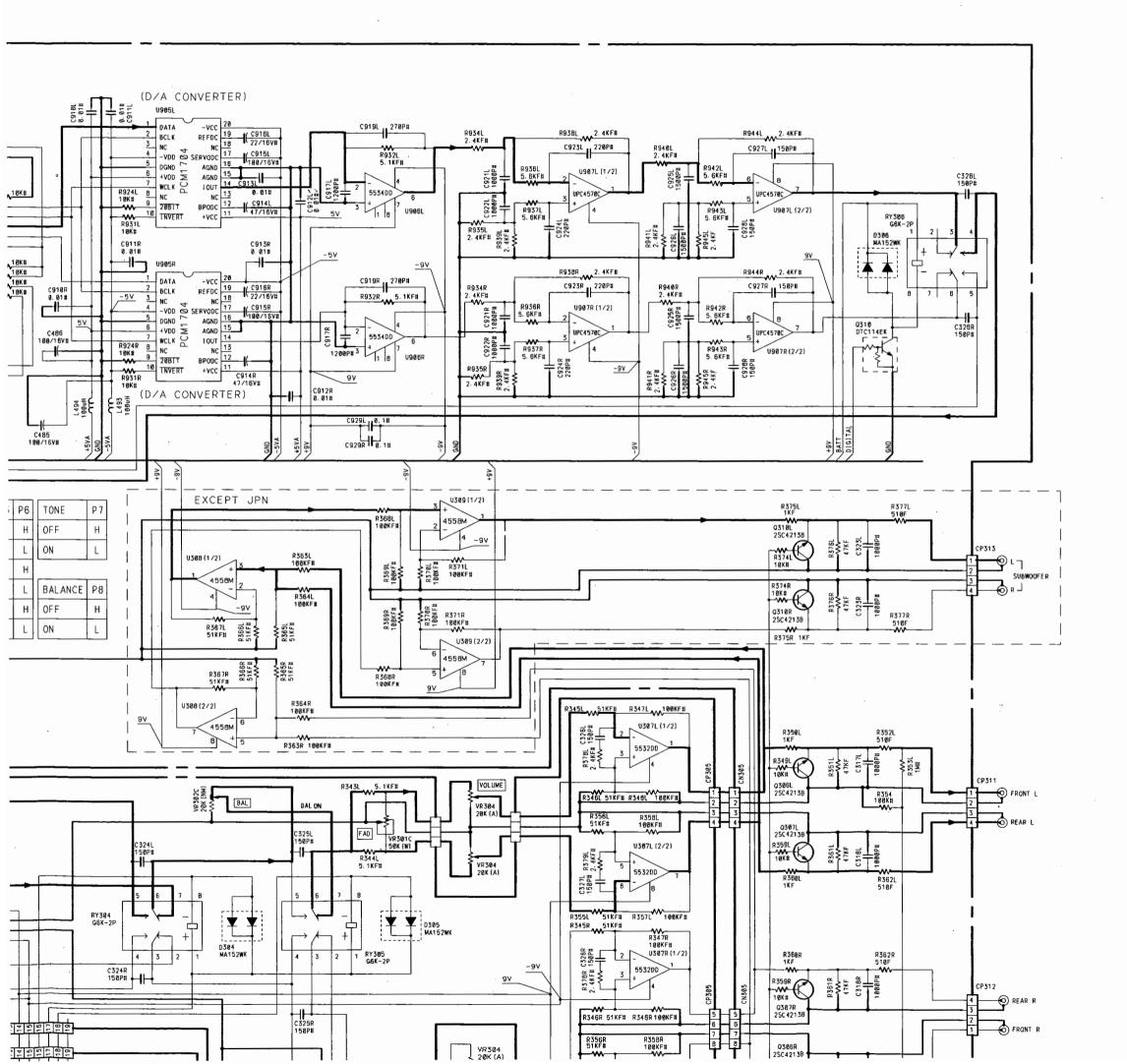
DTC144TK DTC144EK

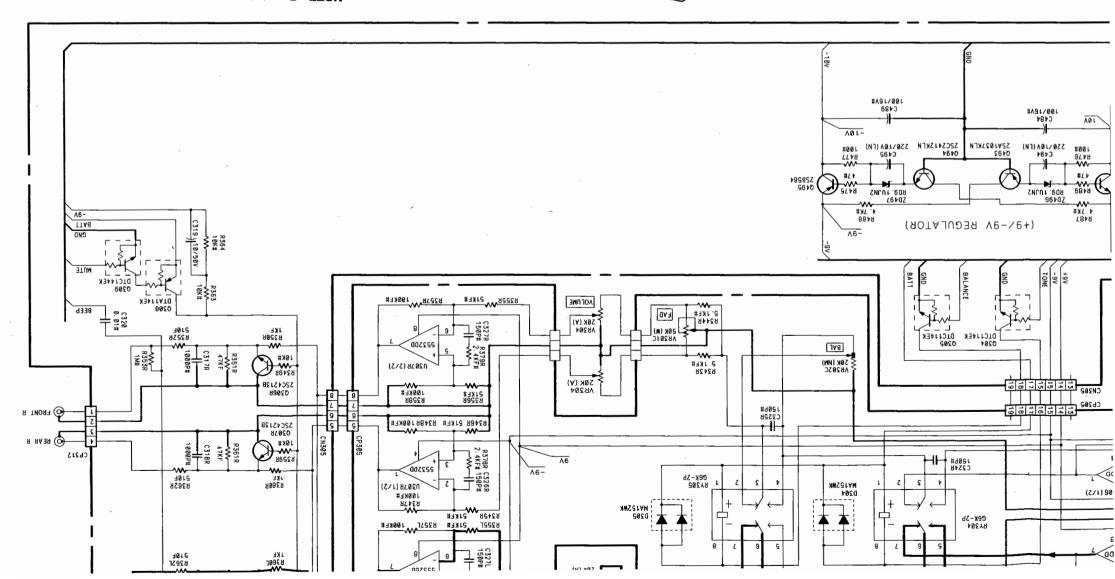
DTC114EK

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



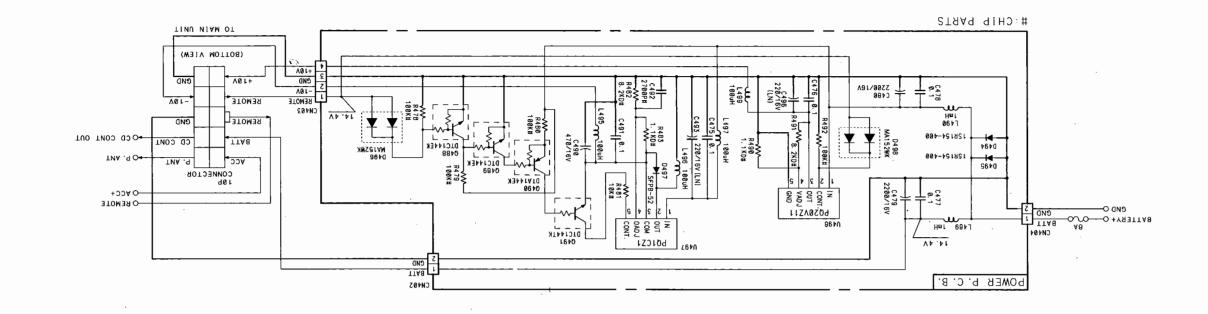


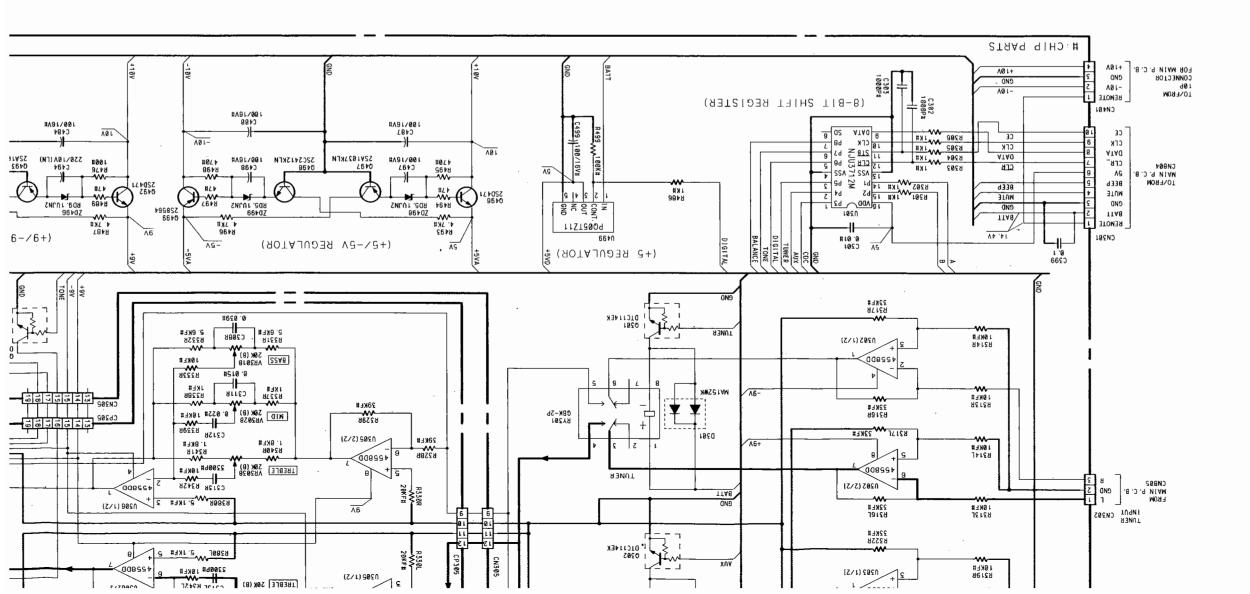
52D471 52B564

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

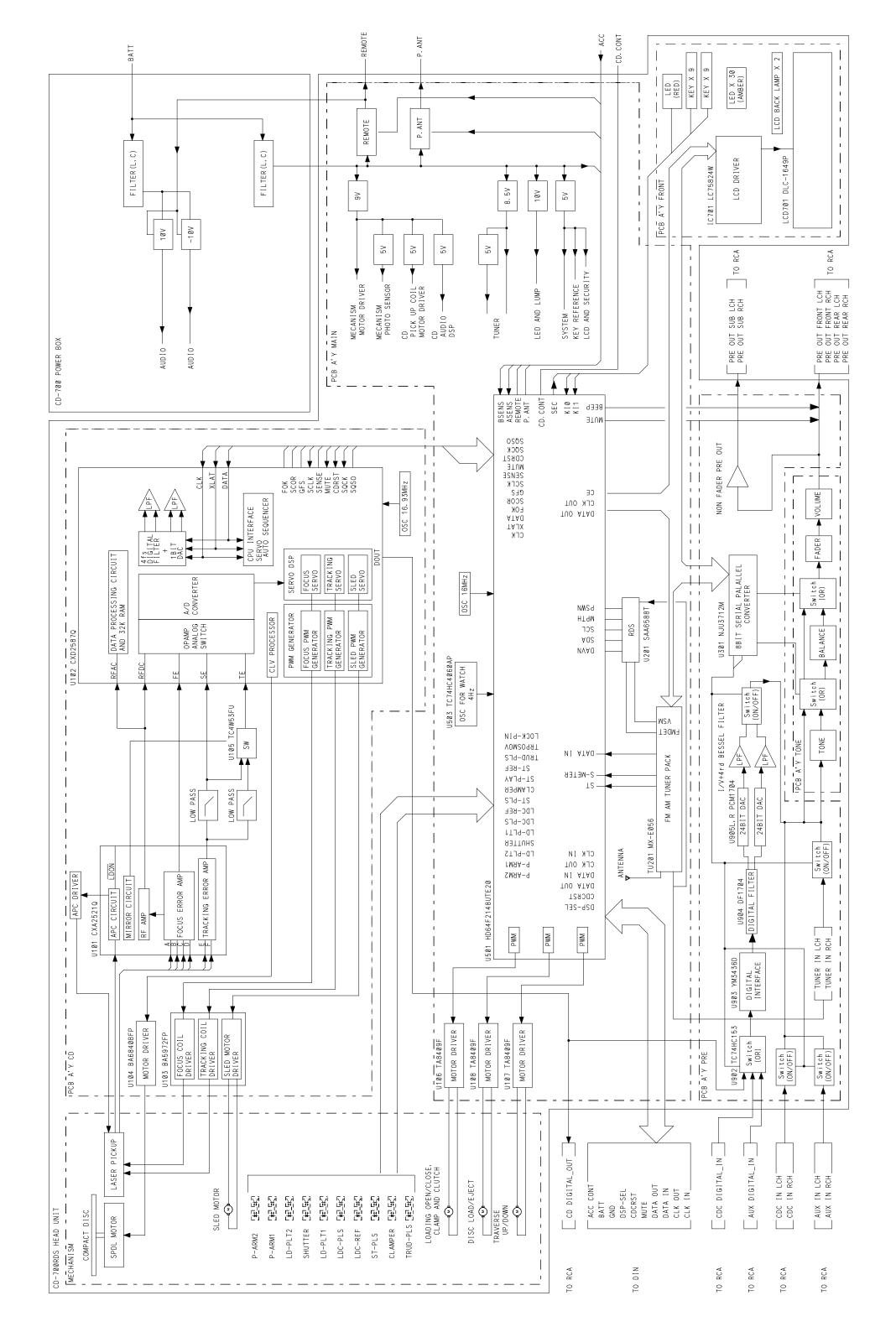


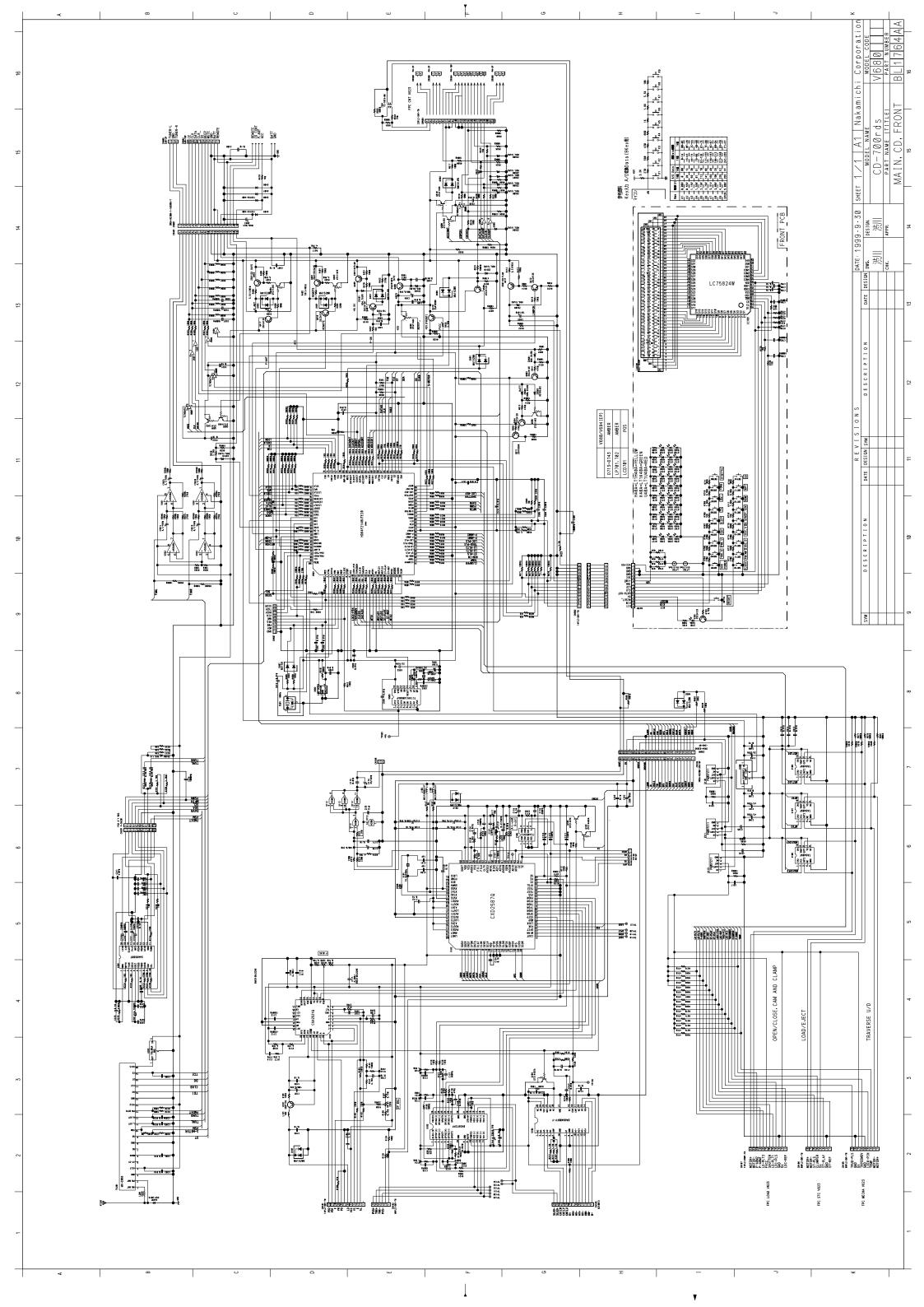
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Power Box

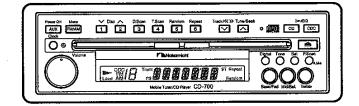




Service Manual

Mobile Tuner / CD Player

CD-700



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1.050



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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.

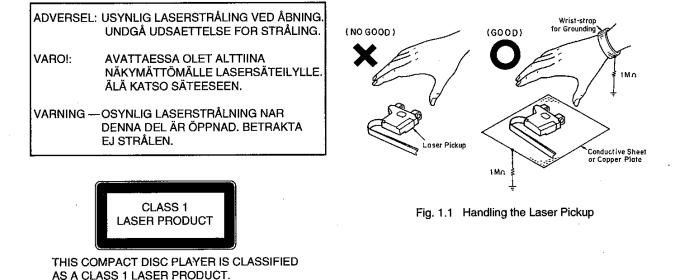
NOTE: Be careful so as not to let your clothes touch the Laser Pickup, as static electricity on the clothes will not be released even if your body is grounded.

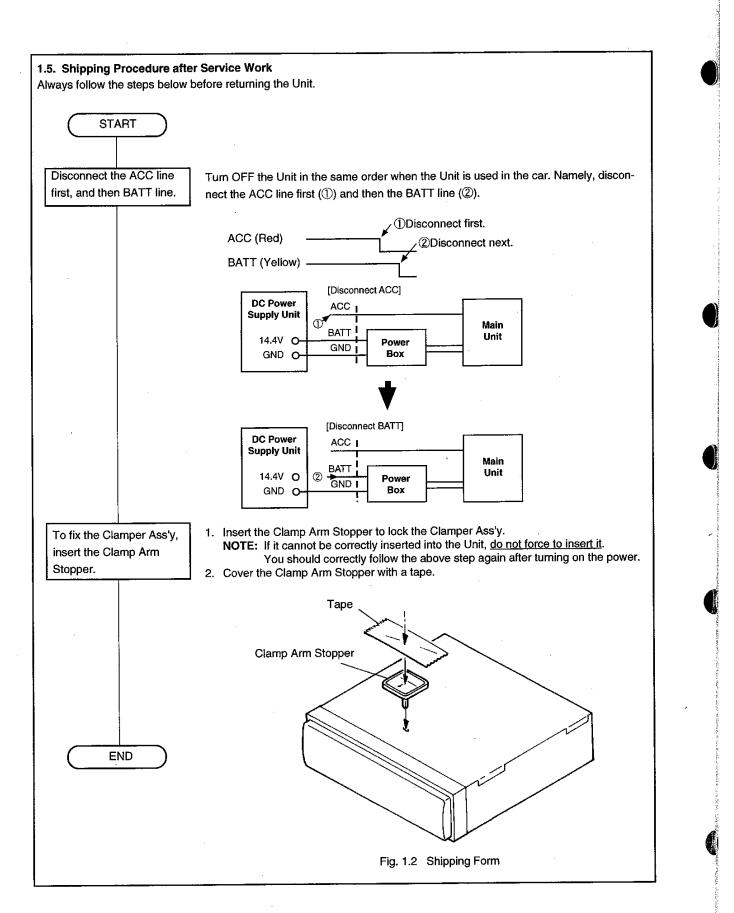
(2) Discharge of Electricity

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

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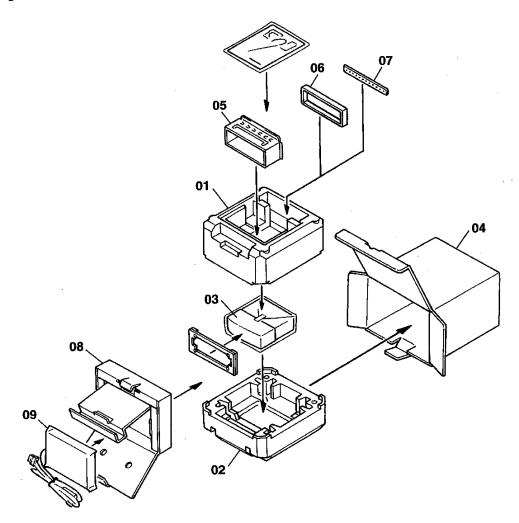


Fig. 1.3

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.

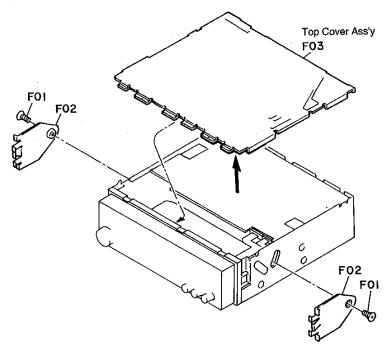


Fig. 2.1

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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.

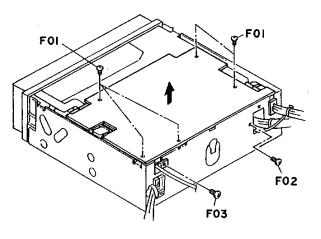
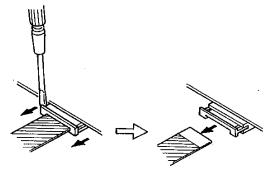
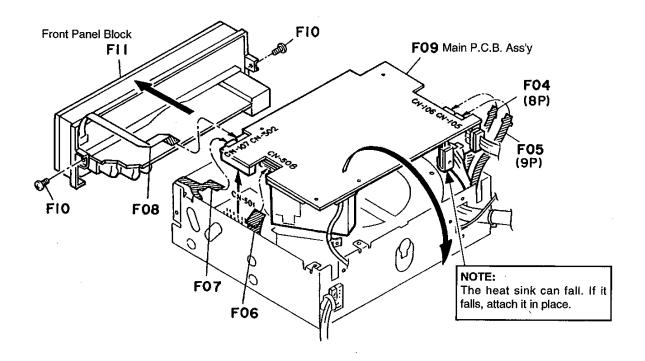


Fig. 2.2.1

- (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).

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- 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.

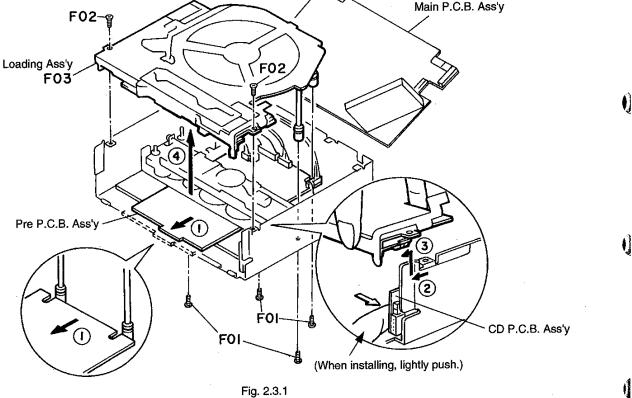
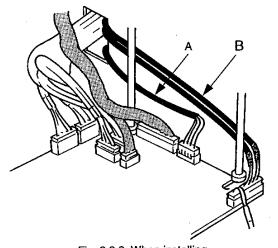


Fig. 2.3.1

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

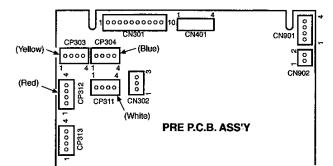
Refer to Fig. 2.4.

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- (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)

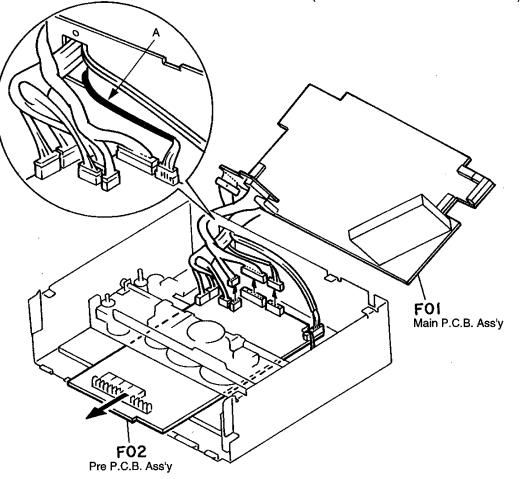


Fig. 2.4

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.

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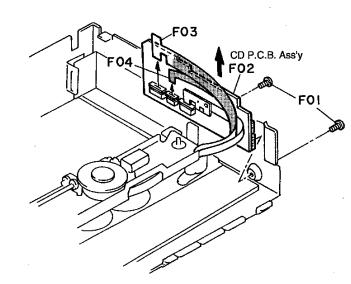
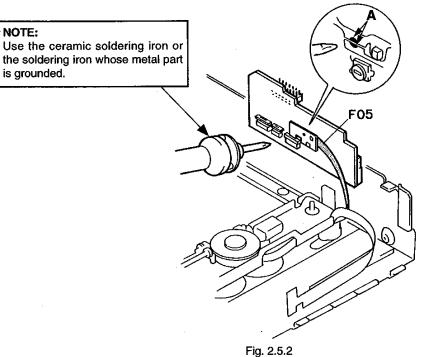


Fig. 2.5.1



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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.

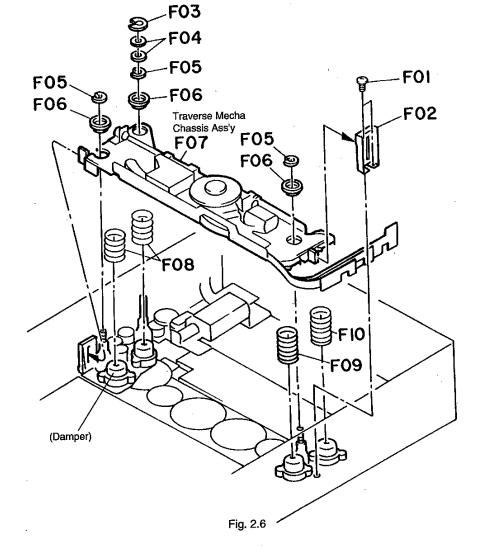
2.6.2. Installing the Traverse Mecha Chassis Ass'y

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".

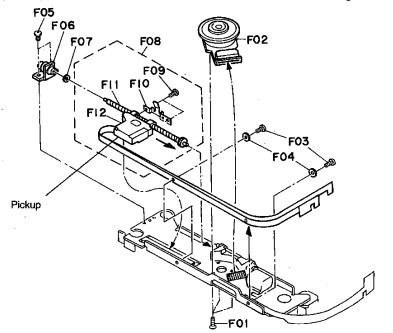
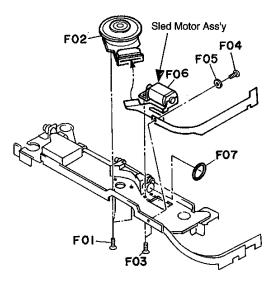


Fig. 2.7

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.

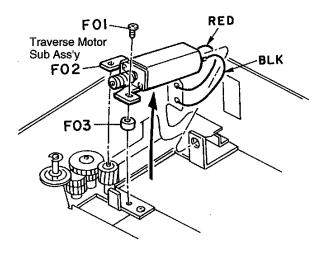


Fig. 2.9

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).

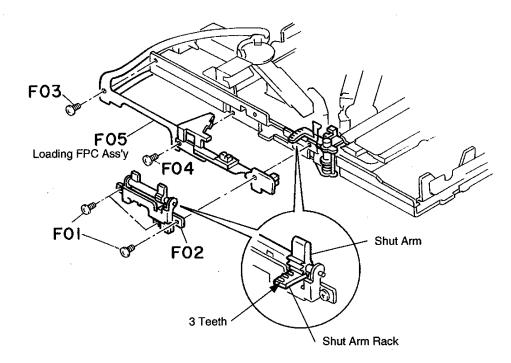


Fig. 2.10

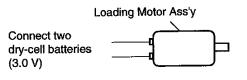
2.11. Loading Guide Ass'y

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

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- (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.

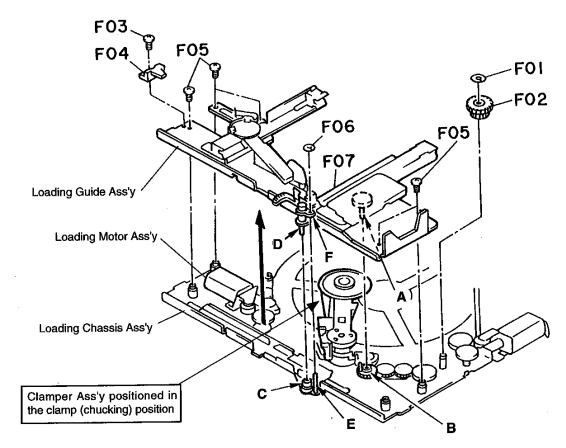


Fig. 2.11.1

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.

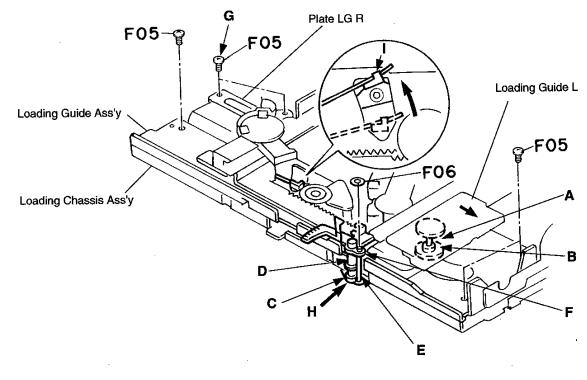
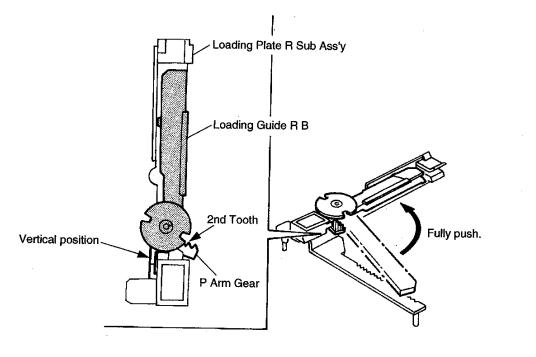


Fig. 2.11.2

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.



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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.)

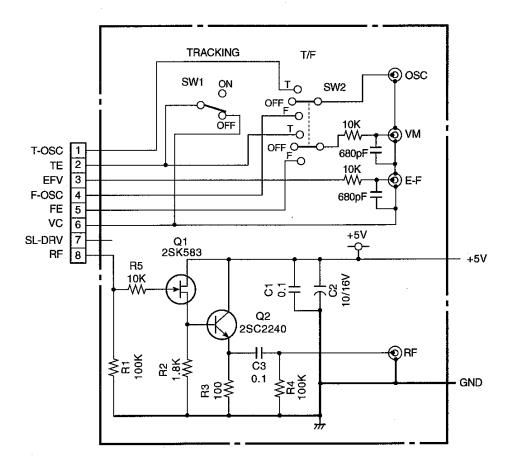


Fig. 4.1 CD-ROM Test Unit

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.

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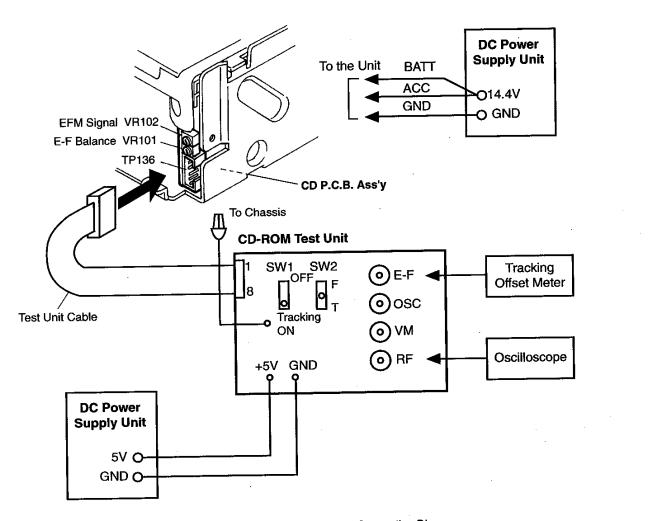
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2. Connecting Measurement Instruments:

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.

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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

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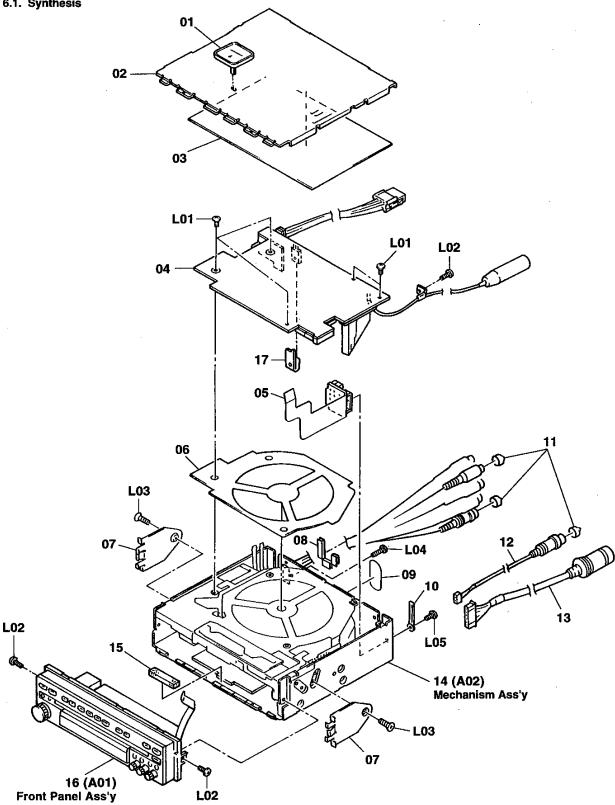


Fig. 6.1

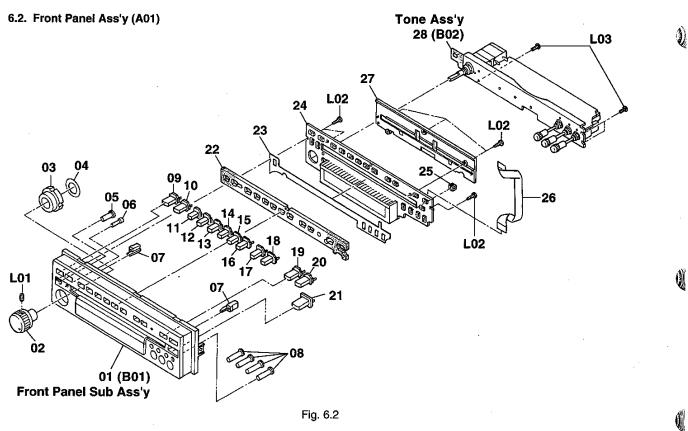


Fig. 6.2

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)	

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6.3. Front Panel Sub Ass'y (B01)

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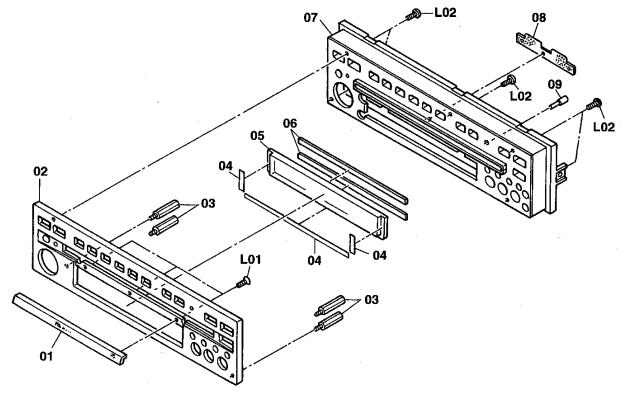
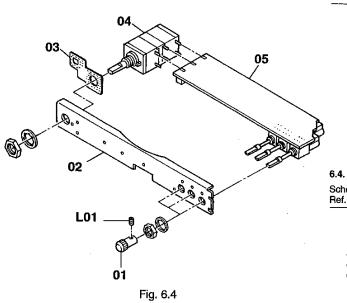


Fig. 6.3

6.4. Tone Ass'y (B02)

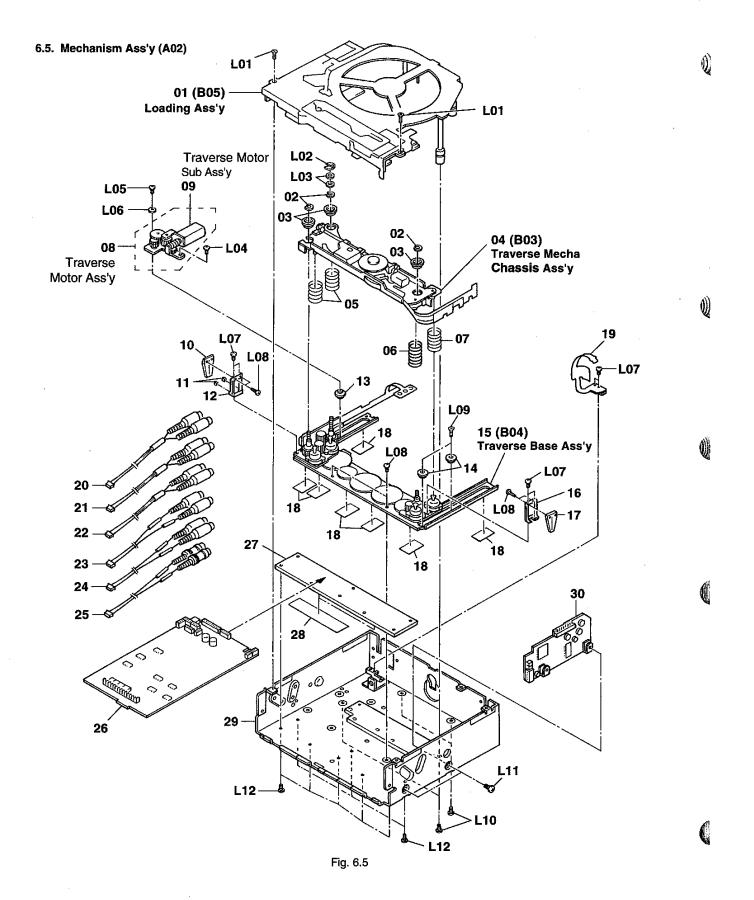


6.3. Front Panel Sub Ass'y (B01)

		- , (,	
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	

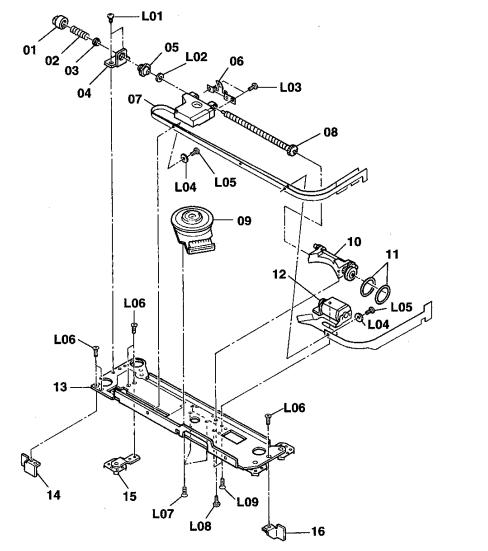


6.5. Mechanism Ass'y (A02)

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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)



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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)

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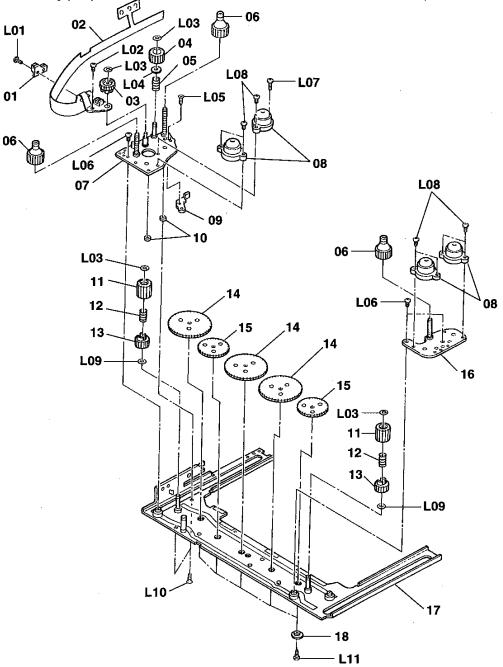
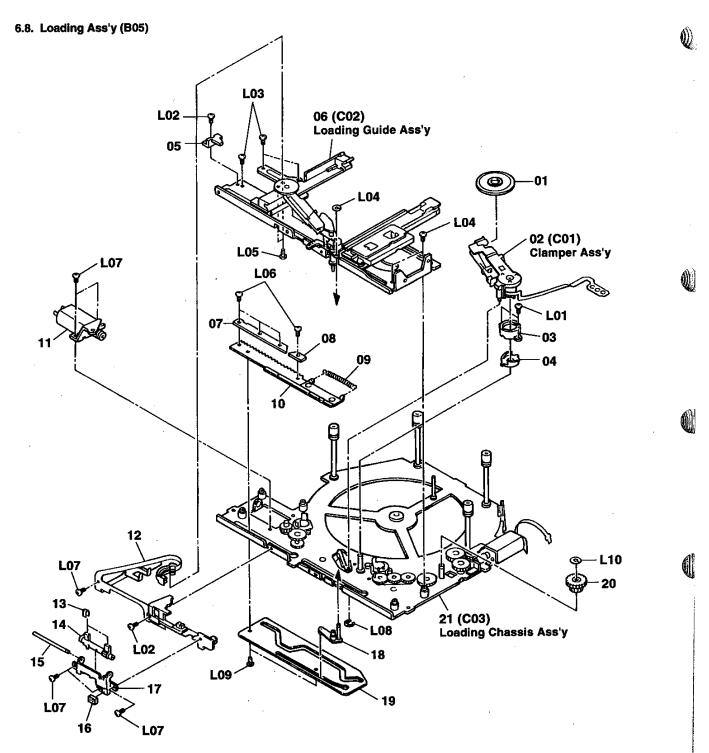


Fig. 6.7

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)

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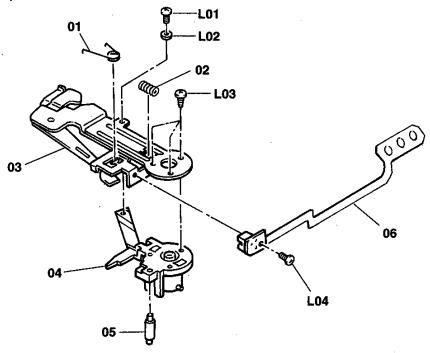


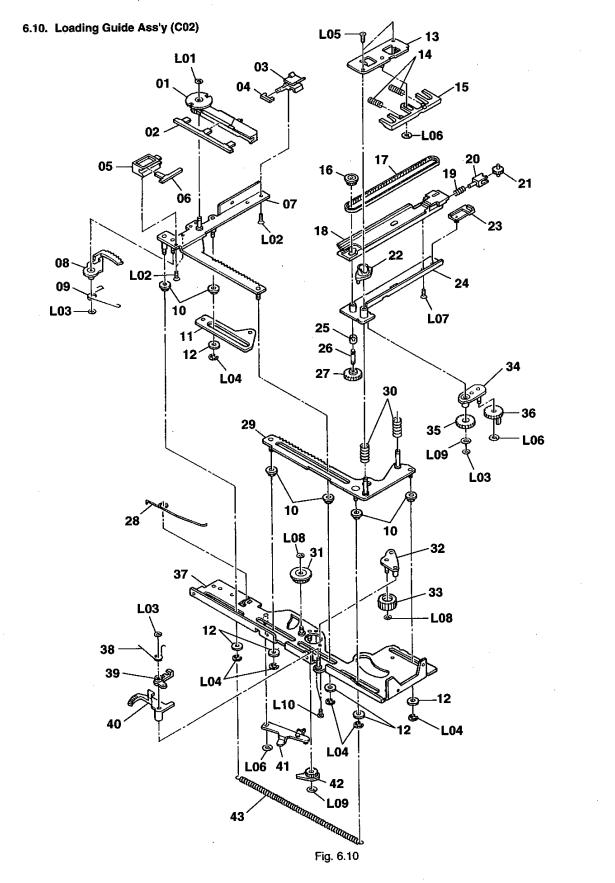
Fig. 6.9

6.8. Loading Ass'y (B05)

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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)	•



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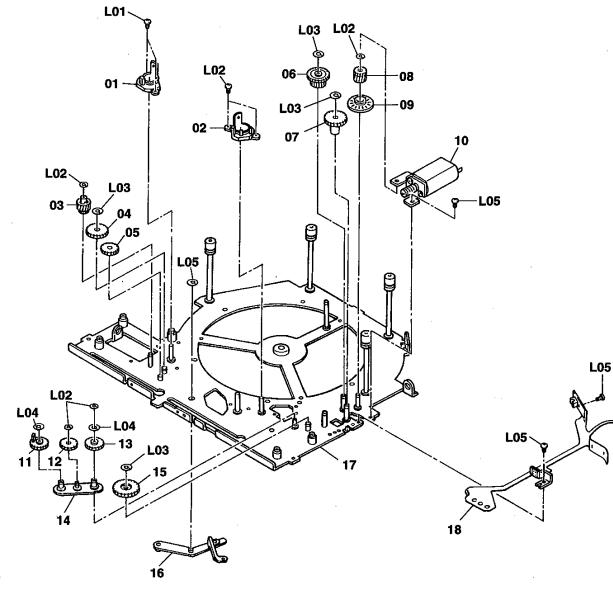
6.10. Loading Guide Ass'y (C02)

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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)



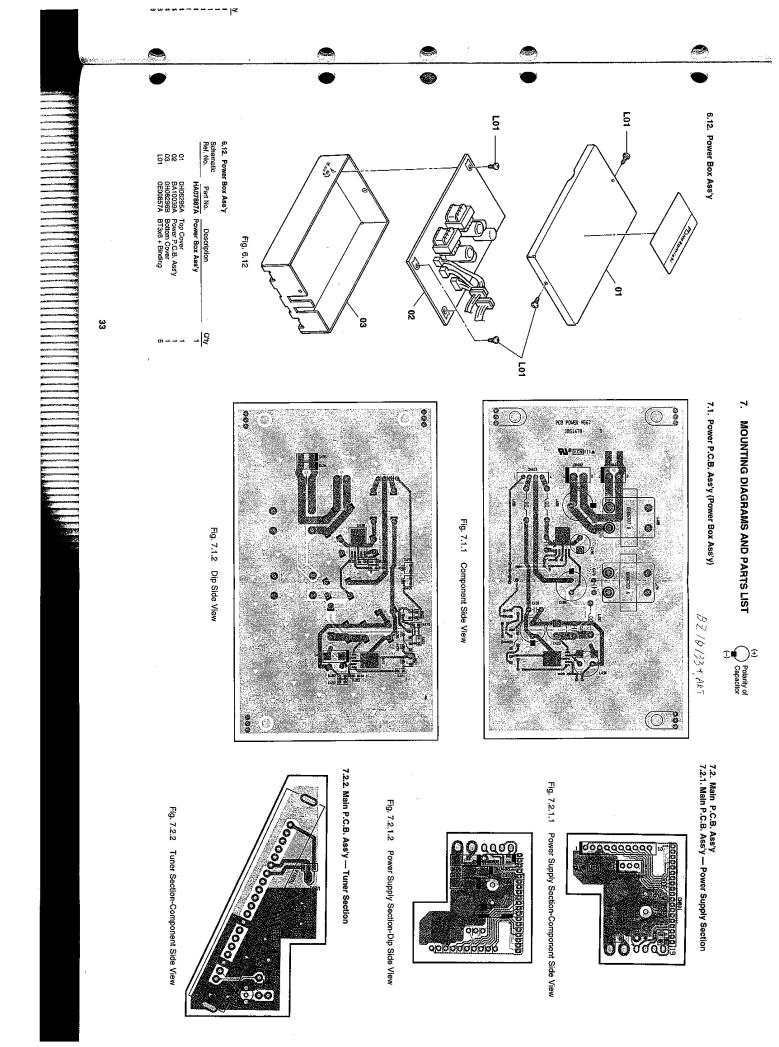
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Fig. 6.11

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				



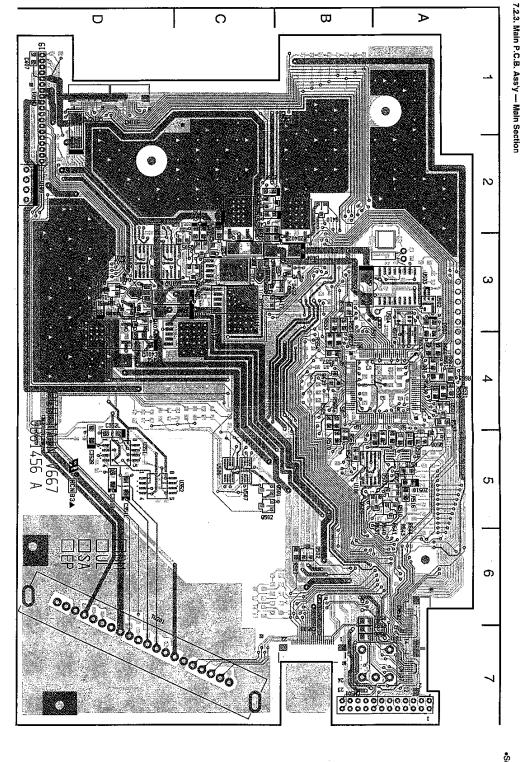
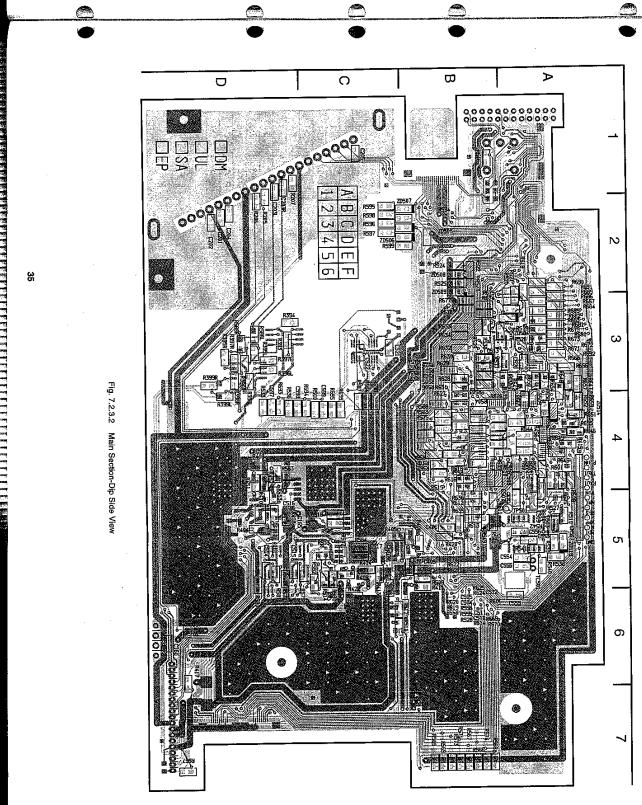


Fig. 7.2.3.1 Main Section-Component Side View

 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

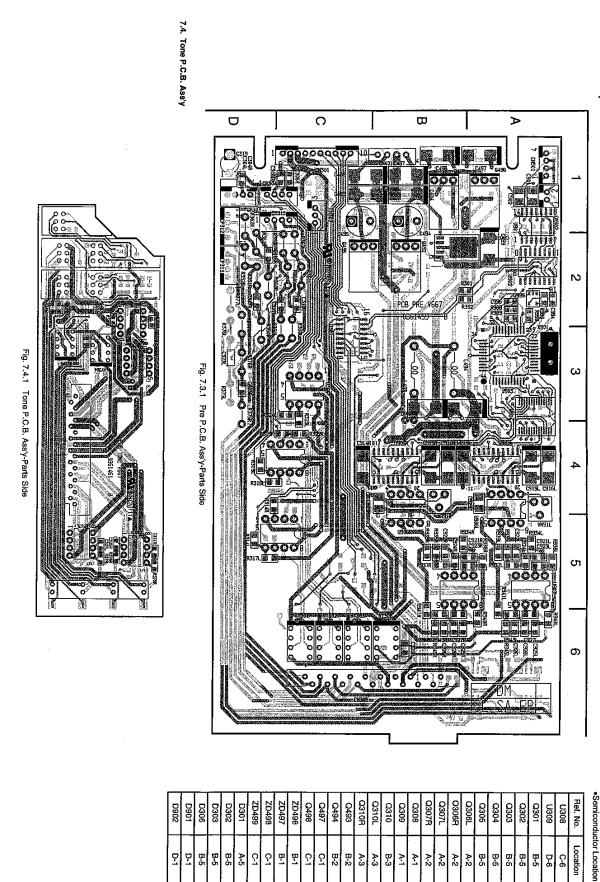
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ZD518	ZD:509	ZD508	ZD:507	ZD:506	ZD505	ZD504	Ref. No.	 Semicondu
A-8	8-2	B-2	B-2	B-2	8-2	A-3	Location	Semiconductor Location

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A-5

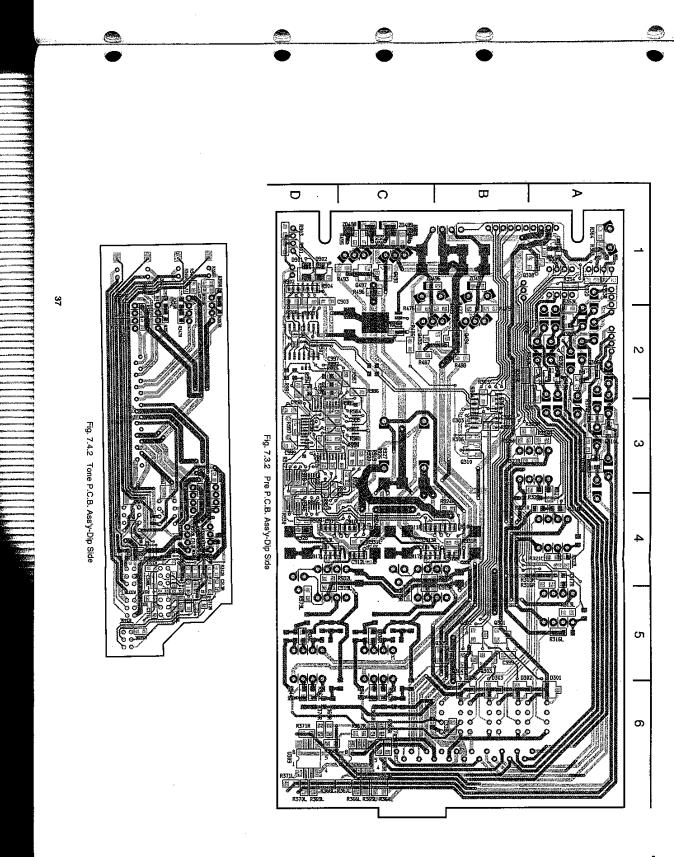
A-3

B-3

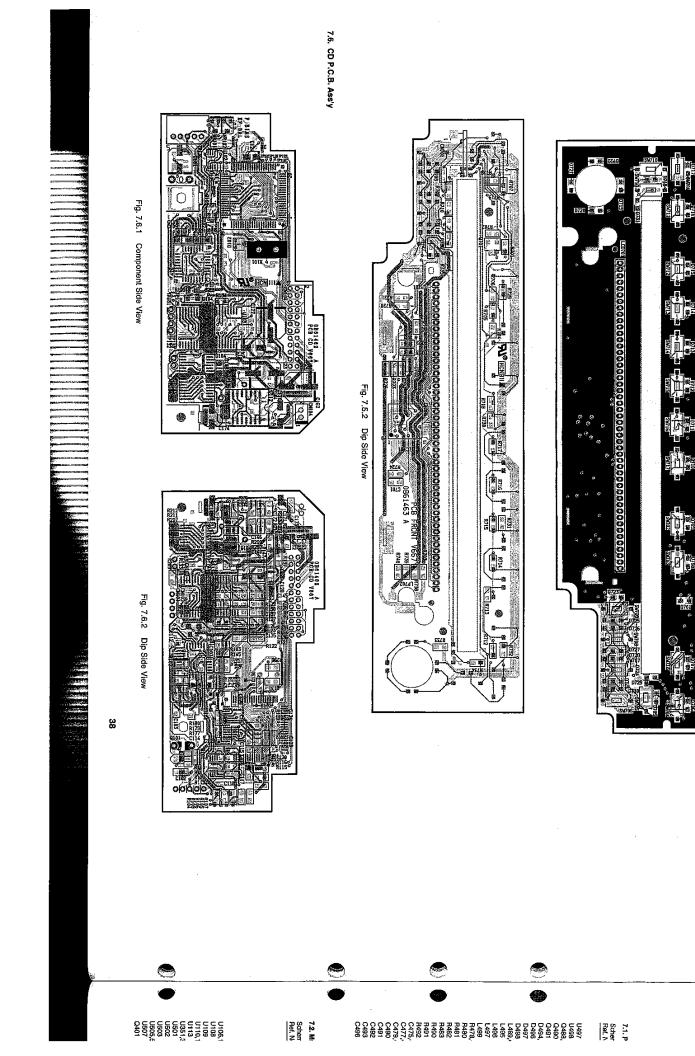
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7.3. Pre P.C.B. Ass'y

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

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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*

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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

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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.)

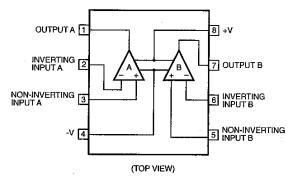


Fig. 8.1 Operational Amp. NJM4558, NJM5532, μPC4570

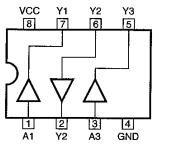


Fig. 8.2 Buffer TC7W34FU (U505, 506, 507)

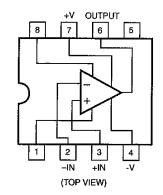
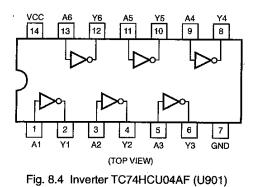
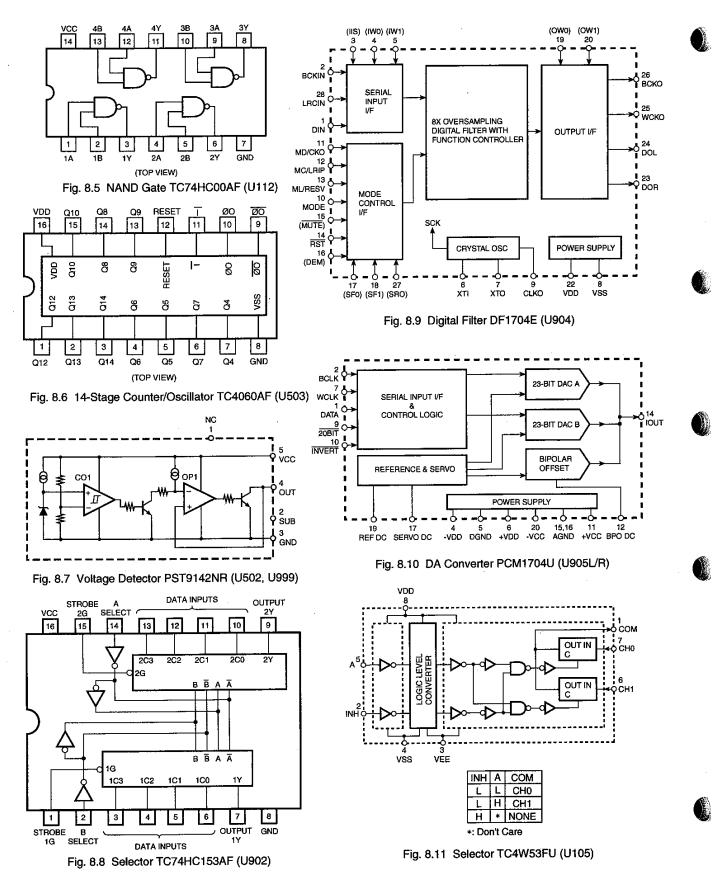
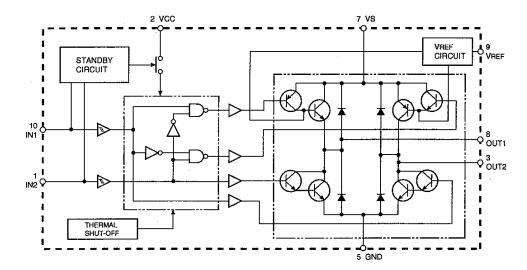


Fig. 8.3 Operational Amp. NJM5534 (U906L/R)









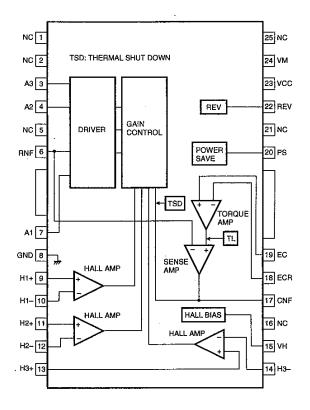


Fig. 8.13 Motor Driver BA6840BFP (U104)

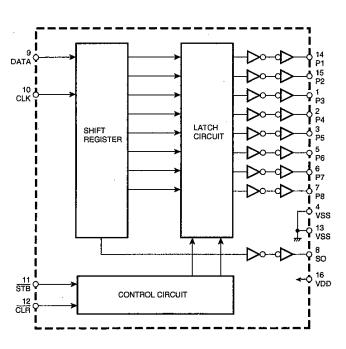


Fig. 8.14 8-Bit Serial-To-Parallel Converter NJU3712M (U301)

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)

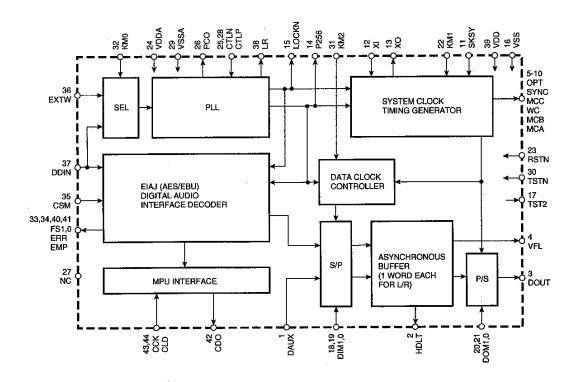
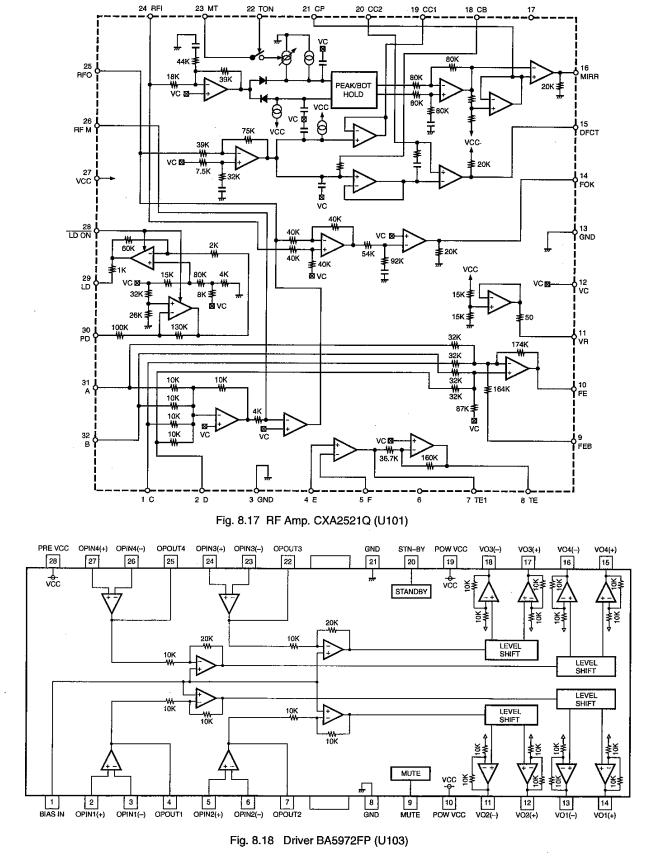


Fig. 8.16 Digital Audio Interface Receiver YM3436D (U903)



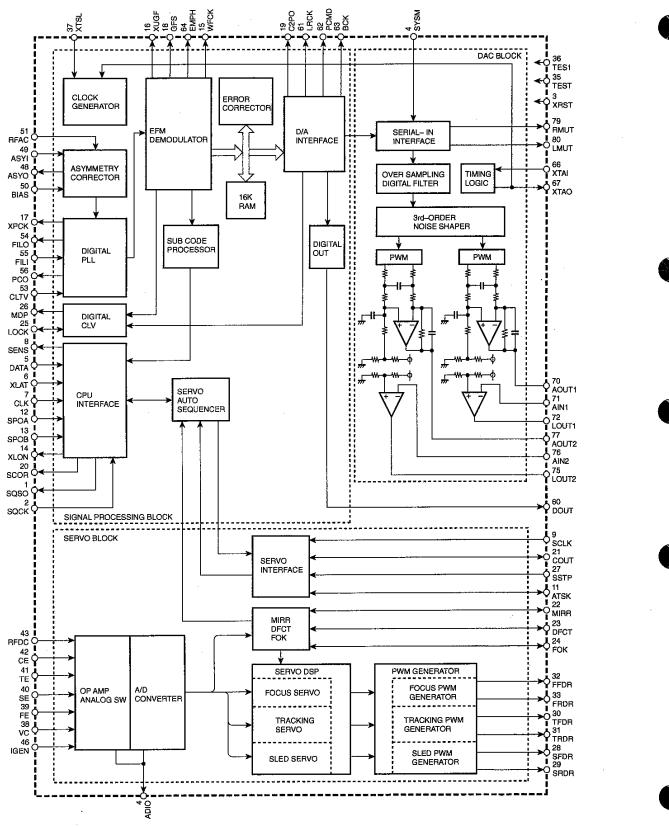
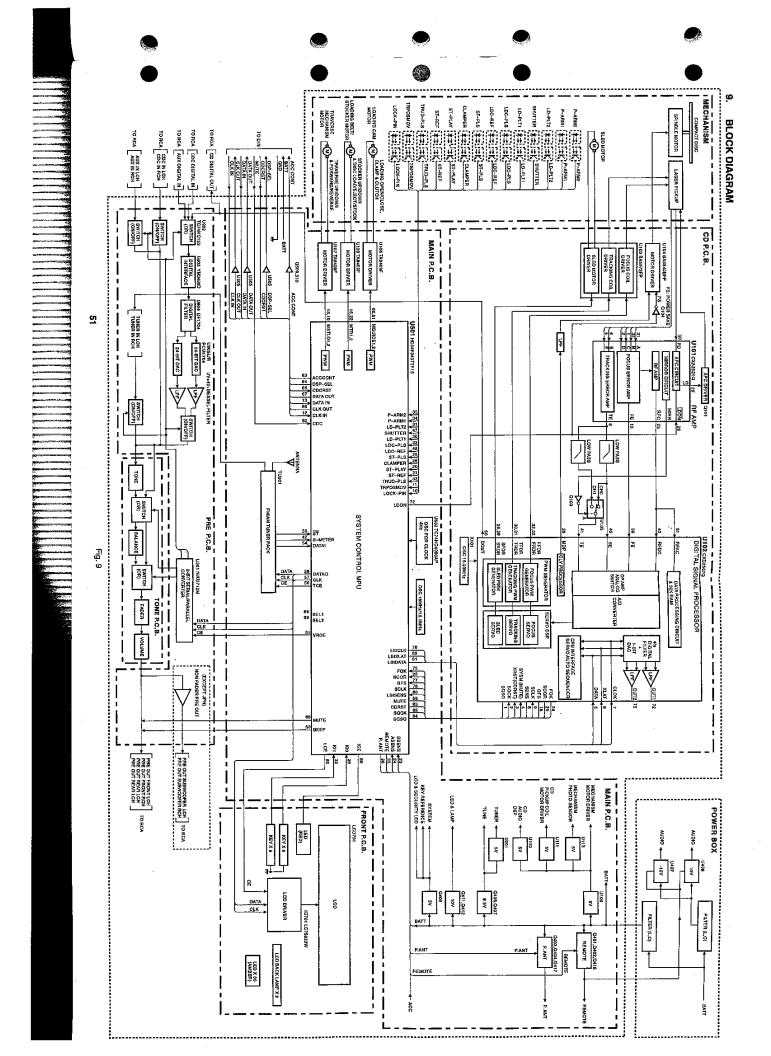
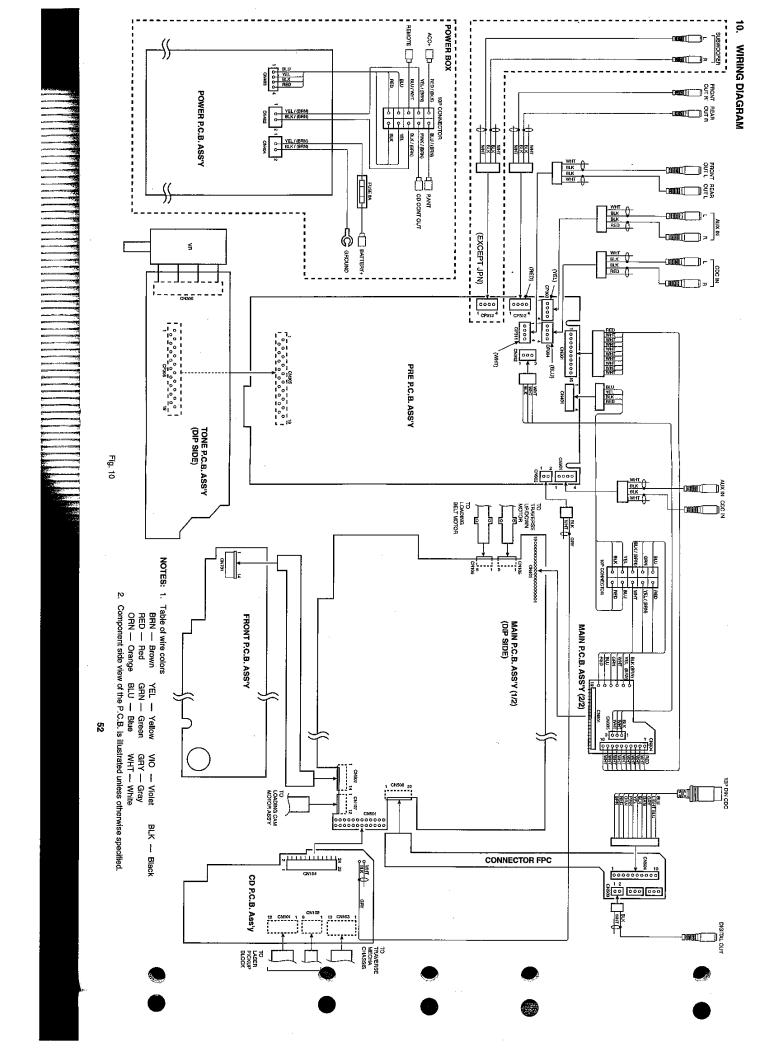


Fig. 8.19 Digital Signal Processor CXD2587Q (U102)





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

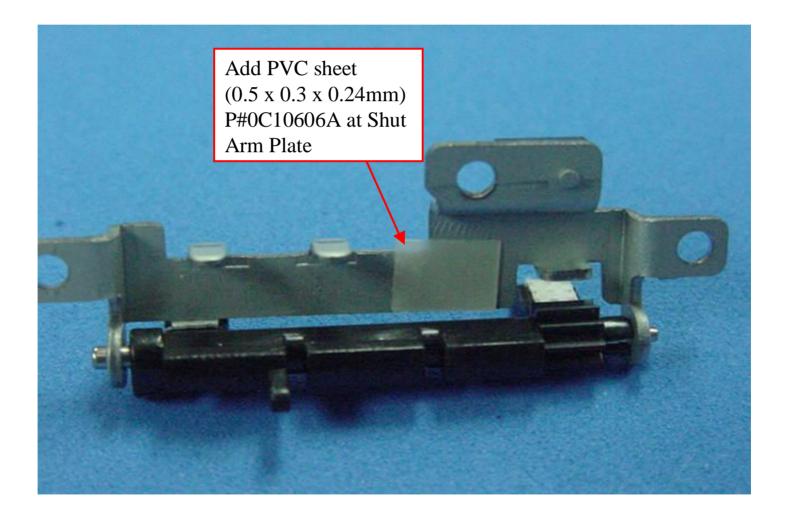
Power Source	14.4 VDC, negative ground (10.8 - 15.6 V allowable)
Current Consumption	2.5A
Installation Dimensions (W x H x D)	
Main Unit	178 (W) x 50 (H) x 159.5 (D) mm
	7 (W) x 1-15/16 (H) x 6-1/4 (D) inches
Outer Dimensions* (W x H x D)	
Main Unit	178 (W) x 46 *(H) x 177.8 (D) mm
	7 (W) x 1-15/16*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

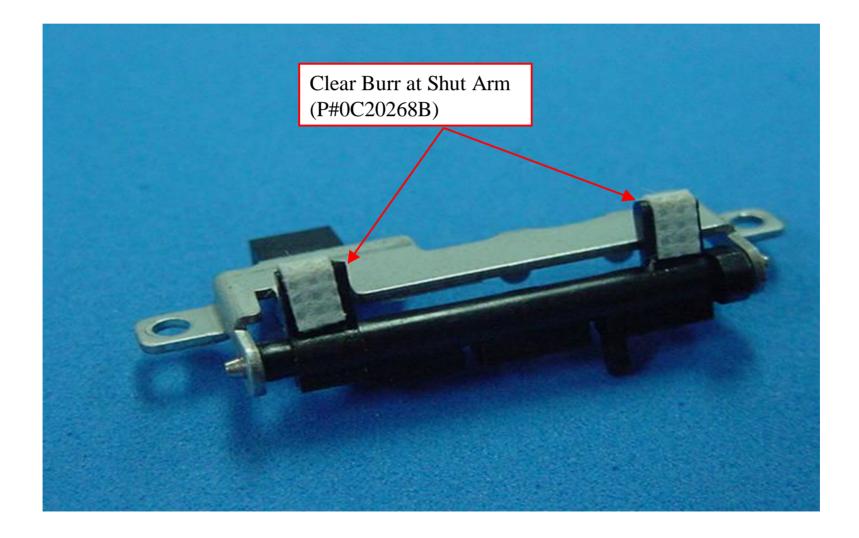


1(i) Prevent CD Auto Eject: Shutter sensor is not activated properly (Loading Ass'y)



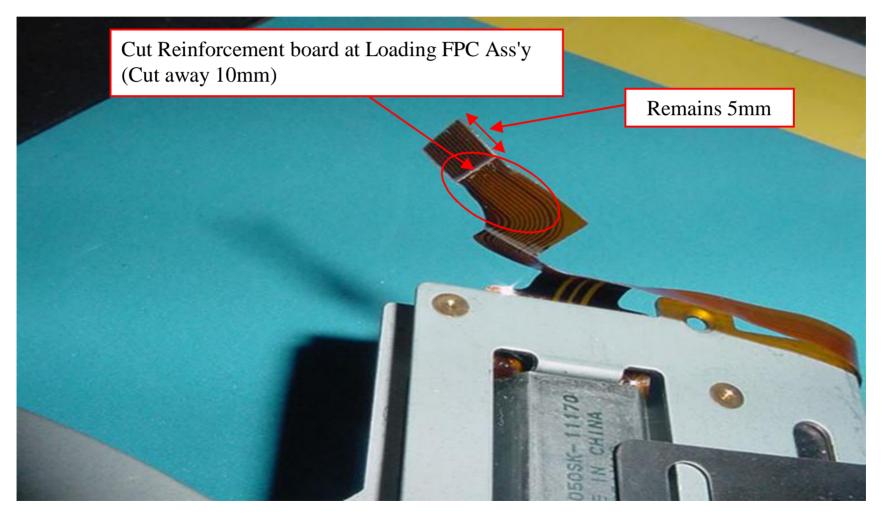


1(ii) Prevent CD Auto Eject: Shutter sensor is not activated properly (Loading Ass'y)



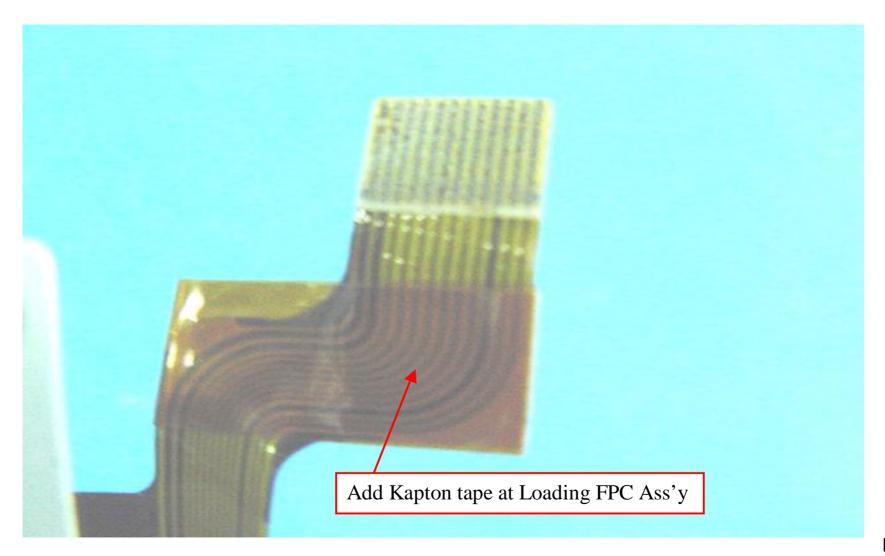
Nakamichi

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



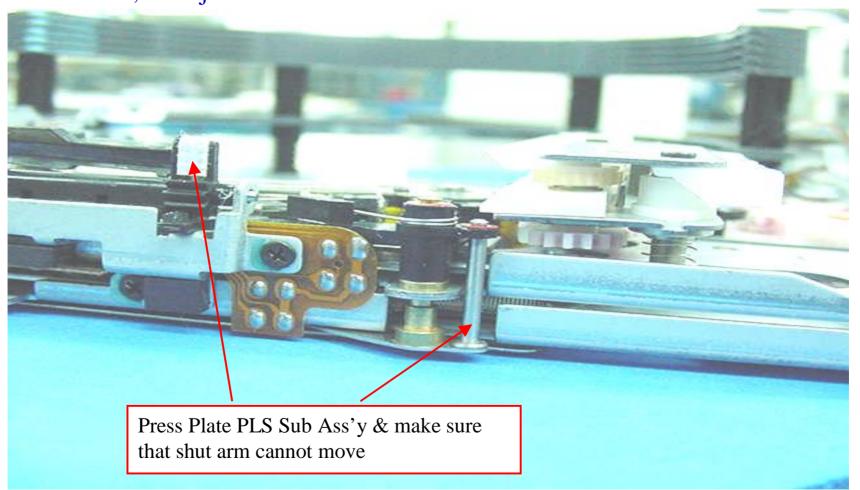


2(ii) Strengthen Loading FPC Ass'y (Loading Ass'y)



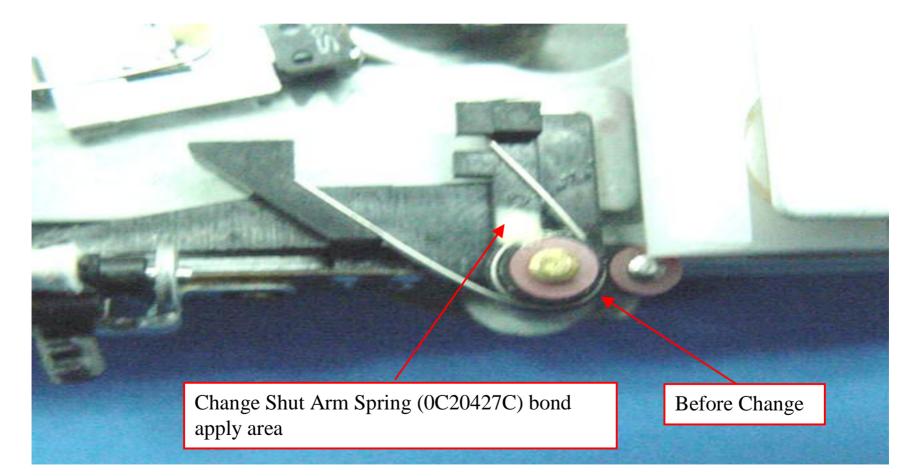
Nakamichi

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.



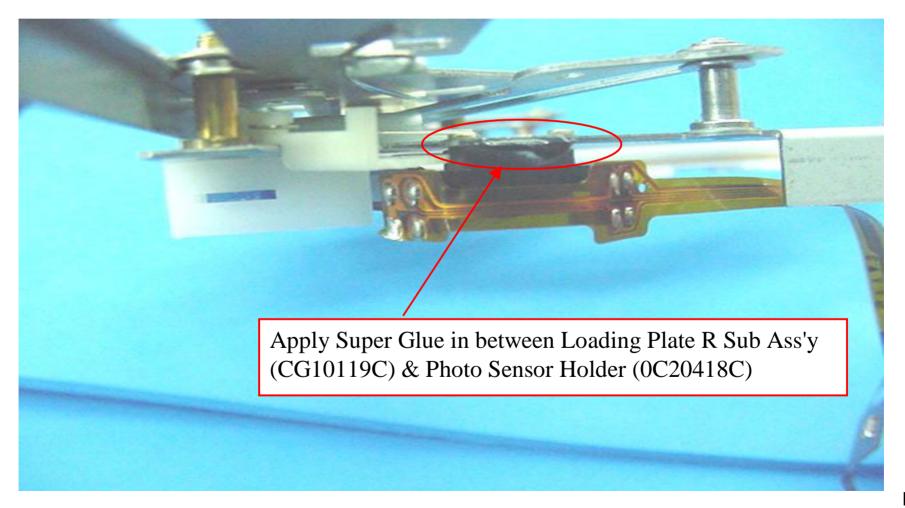


3(ii) Prevent E-mecha: shut arm movement not smooth (Loading Ass'y)



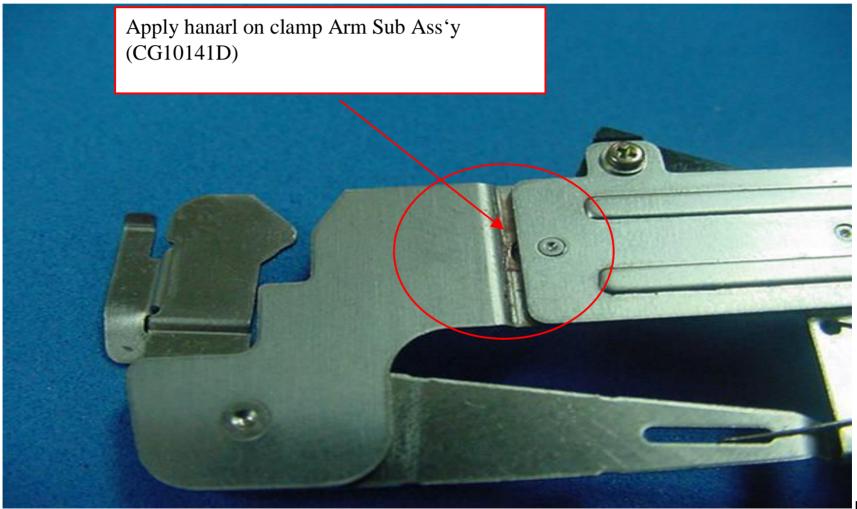


3(iii) Prevent E-mecha: loading CAM Mechanism jamming (Loading Ass'y)(6 Disc Mechanism)



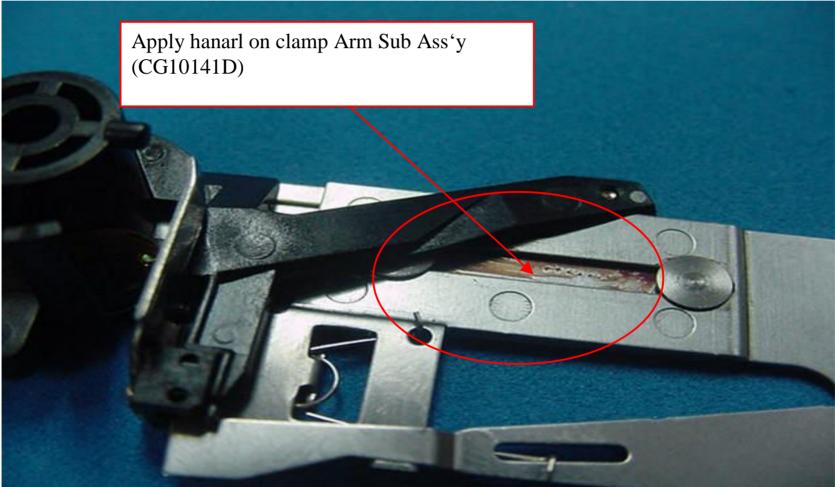


4(i) Prevent E-mecha: clamper arm does not catch clamp plate (Clamper Ass'y)





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



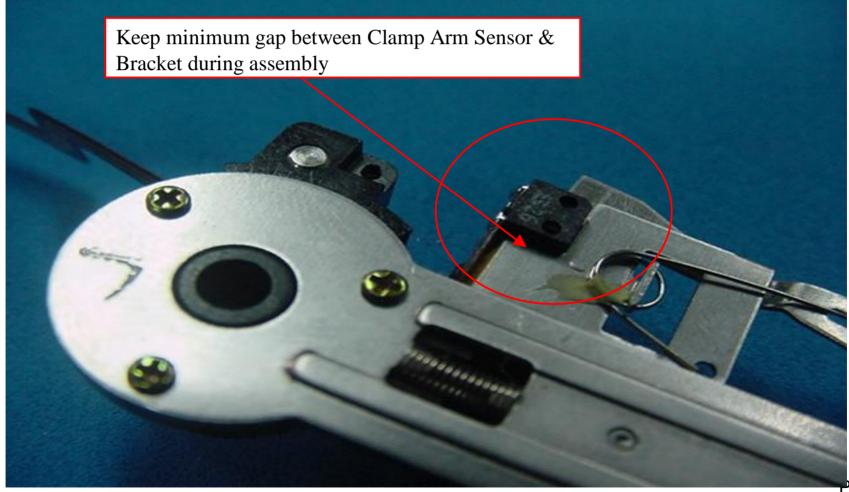


4(iii) Prevent E-mecha: clamper arm does not catch clamp plate (Clamper Ass'y)



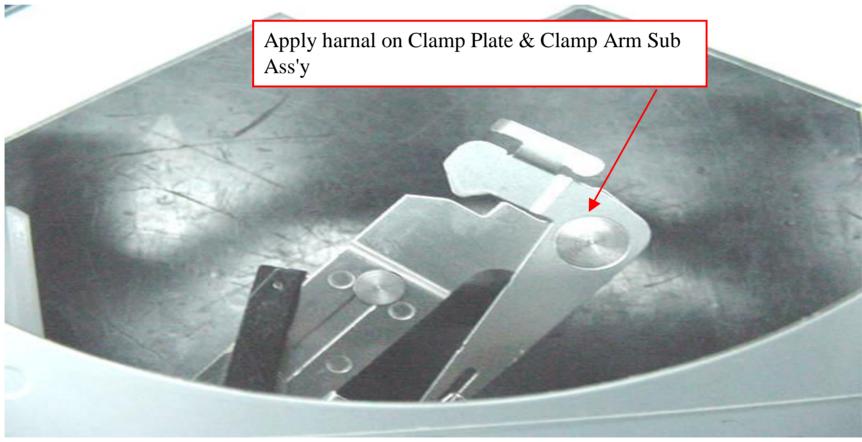


4(iv) Prevent E-mecha: clamper arm does not catch clamp plate (Clamper Ass'y)Change clamp arm sensor if the gap is too big.





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)



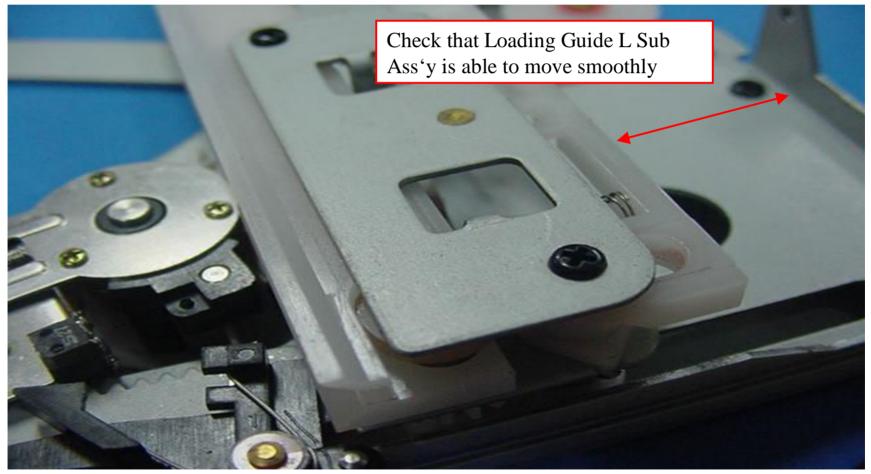


4(vii) Prevent E-mecha: clamper arm does not catch clamp plate (Clamper Ass'y)



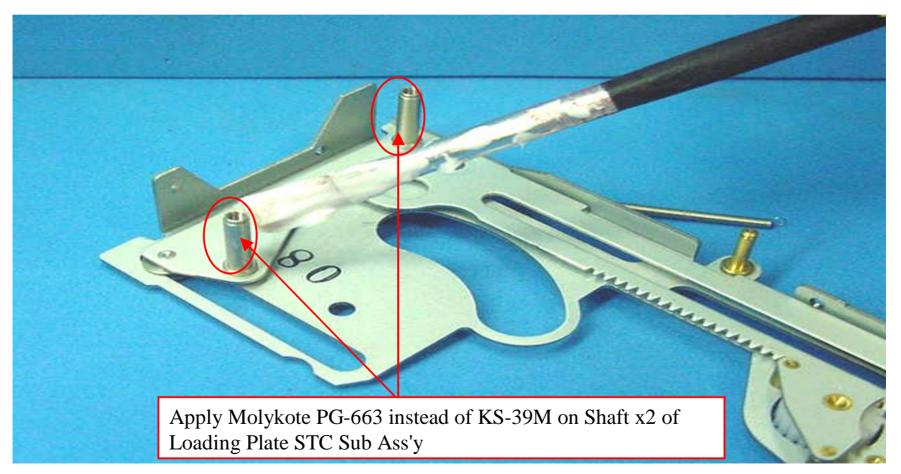


5(i) Prevent E-mecha: loading guides does not hold disc correctly when closed (Loading guide Ass'y)





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



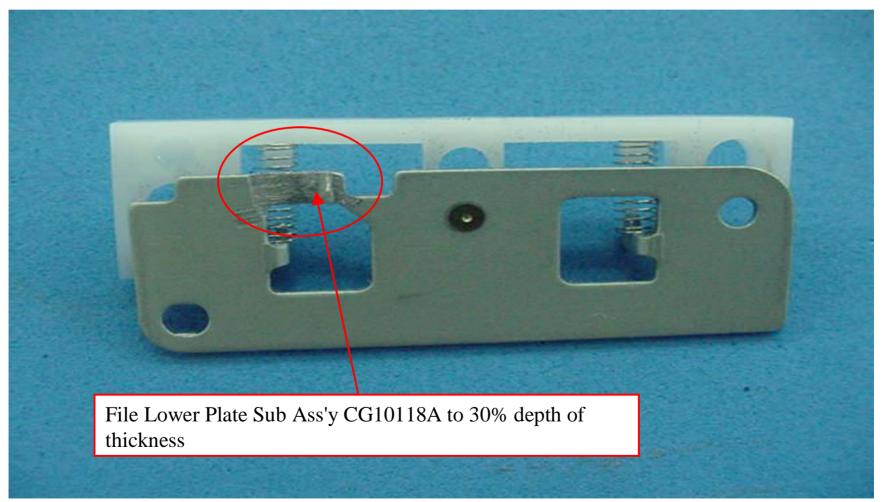


5(iii) Prevent E-mecha: loading guides does not hold disc correctly when closed (Loading guide Ass'y)



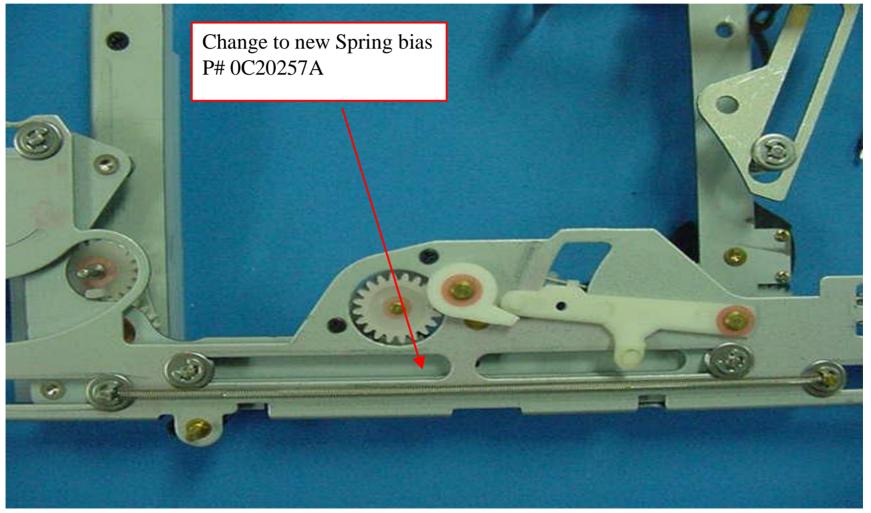


5(iv) Prevent E-mecha: lower plate sub ass'y may touch to traverse vertical screw during disc change (Loading guide Ass'y) Change to modified spare part



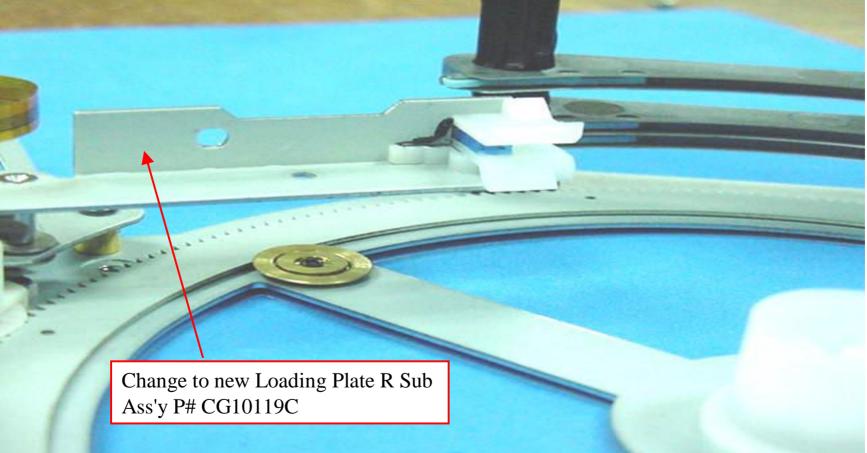


6 Improve 8cm Disc Eject: 8cm Disc does not eject (Loading guide Ass'y)



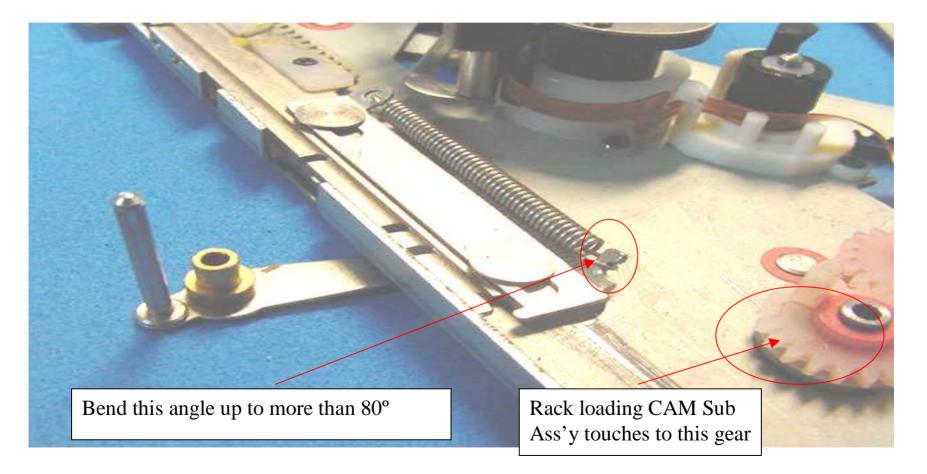


7 Prevent E-mecha: loading guide R touches to lock guide top (Loading Guide Ass'y)



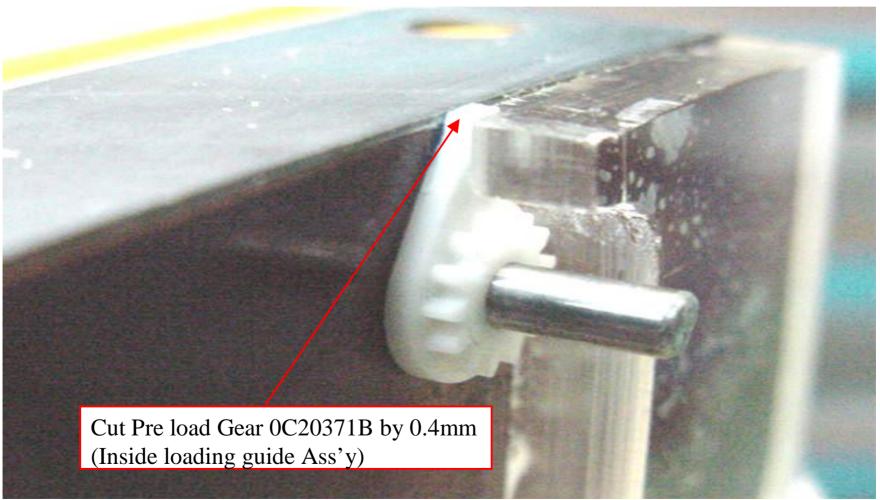


8 Prevent E-mecha: loading guide jamming (Loading Guide Ass'y)



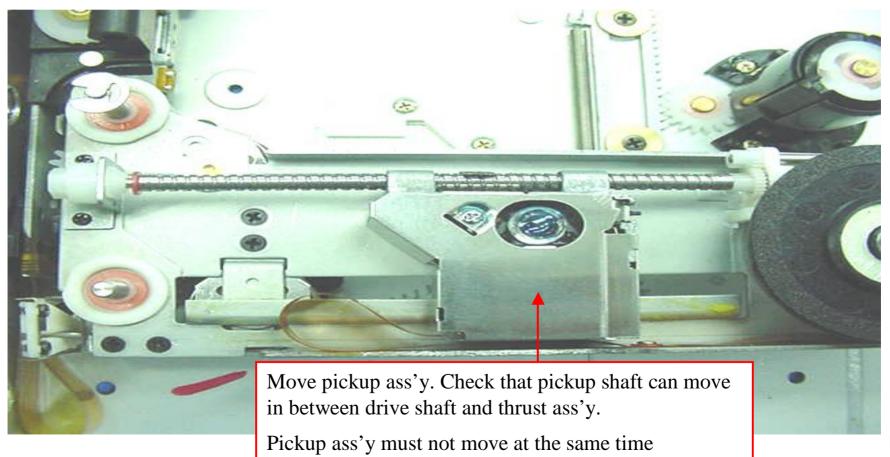


9 Prevent E-mecha: eject jamming (Loading Guide Ass'y) Change to modified spare part





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



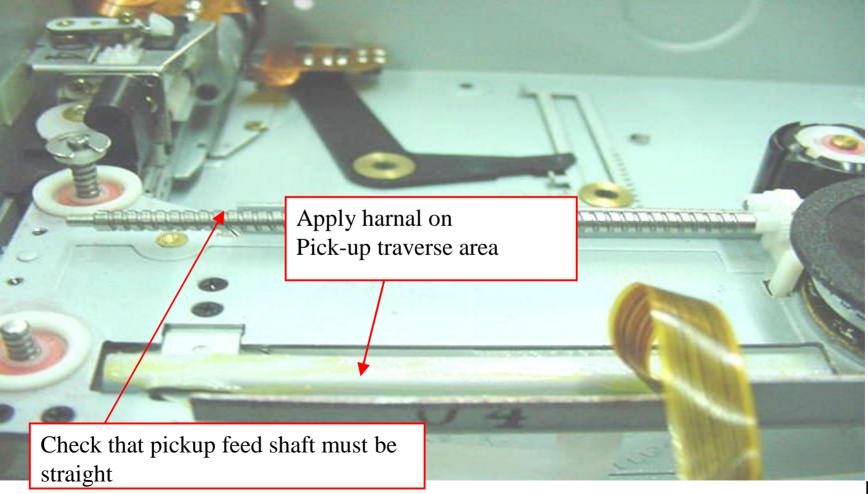


10(ii) Prevent CD skip: CD skip at low temperature (Traverse Mecha Chassis Ass'y)When fixing Pickup Feed Shaft into Drive Shaft Guide Ass'y, make sure the Pickup feed shaft must be straight

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)

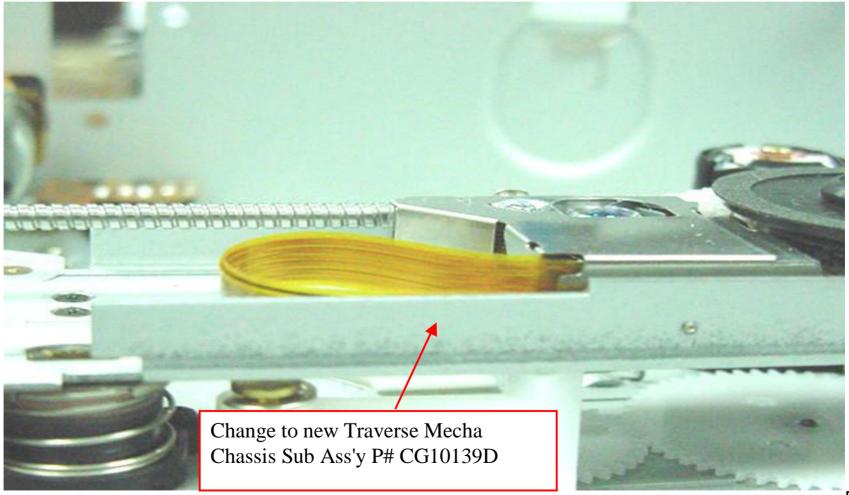


10(ii) & 10(iii) Prevent CD skip: CD skip at low temperature (Traverse Mecha Chassis Ass'y)



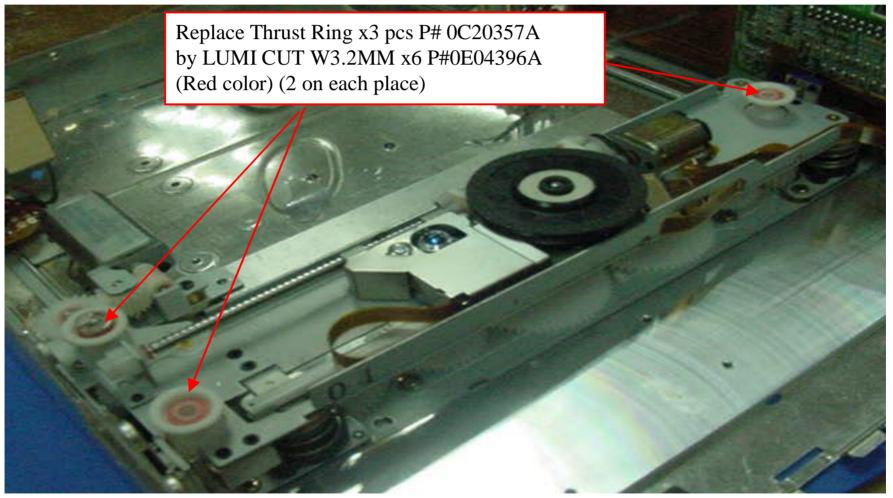


11 Prevent E-mecha: loading guide L touches to traverse mecha chassis ass'y (Traverse Mecha Chassis Ass'y)



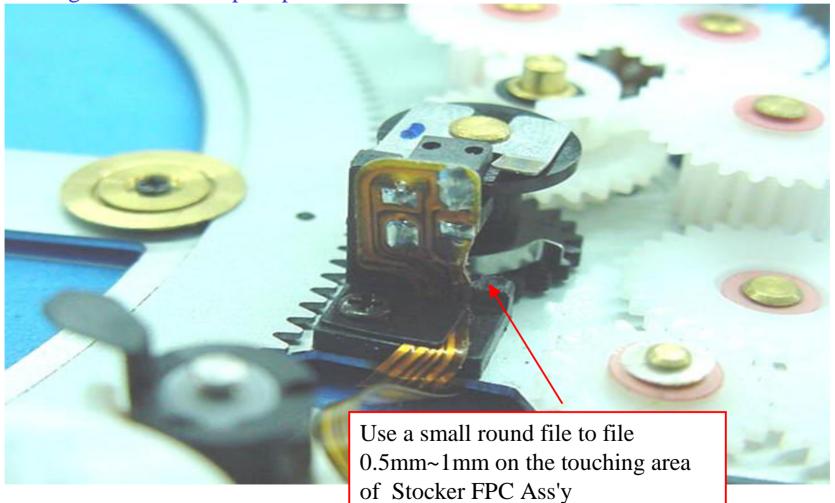


12 Prevent E-mecha: Thrust ring comes out when traverse mechanism moves up & down (Traverse Mecha Chassis Ass'y)



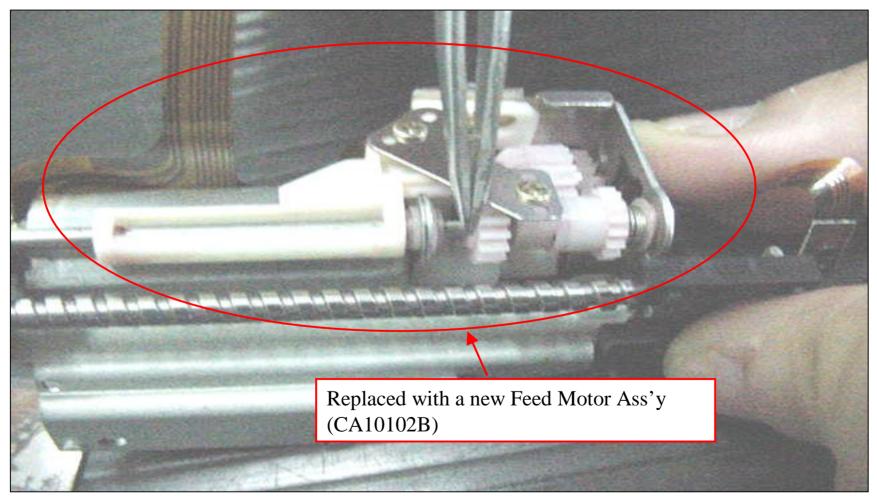


13 Prevent E-mecha: stocker FPC ass'y touches with loading roller guide ass'y (Loading Chassis Ass'y)(6 Disc mechanism only)Change to modified spare part



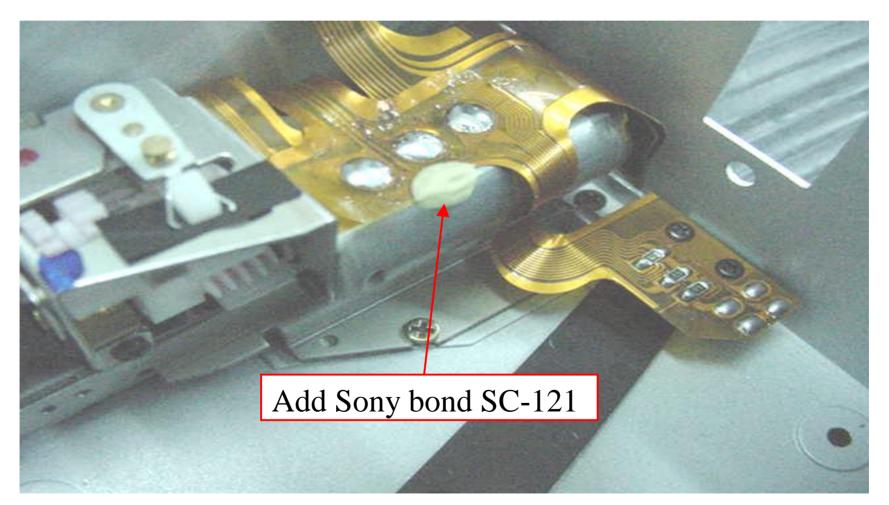


14(i) Prevent E-mecha: Gear damage (Feed motor Ass'y)(6 Disc mechanism only)



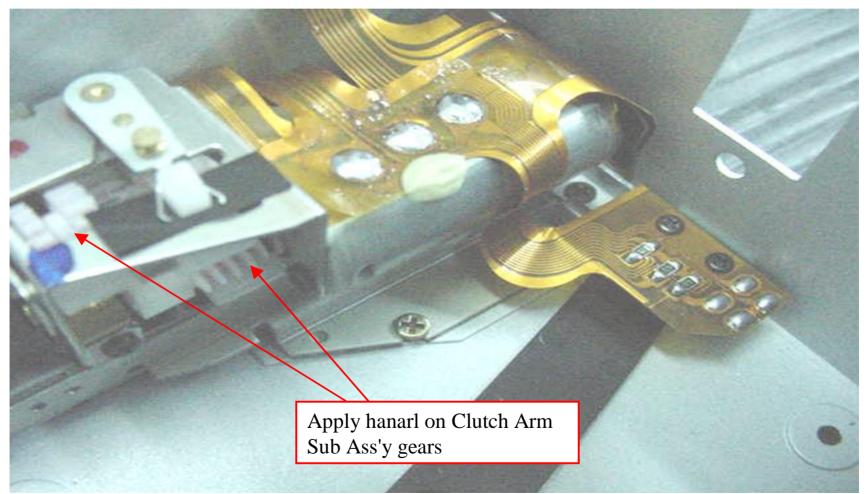


14(ii) Prevent E-mecha: Gear damage (Feed motor Ass'y)(6 Disc mechanism only)



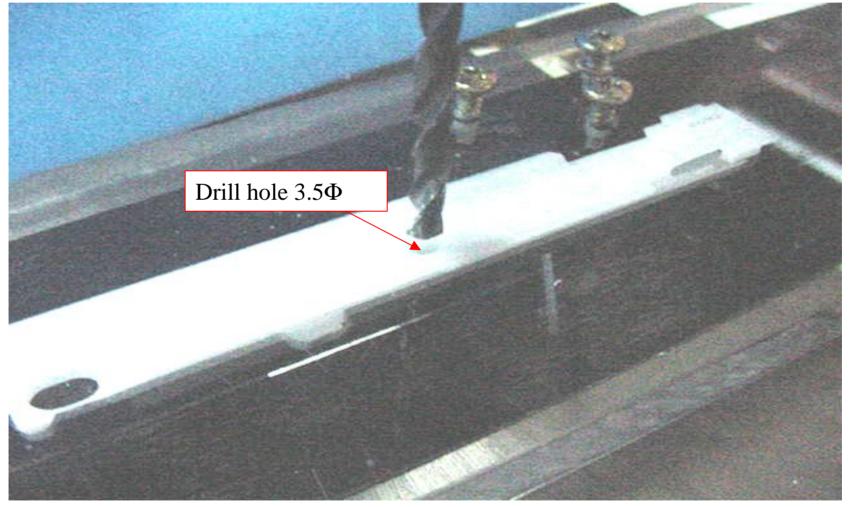


15 Prevent E-mecha: clamper arm does not catch clamp plate(Clamper Ass'y)(6 Disc mechanism only)



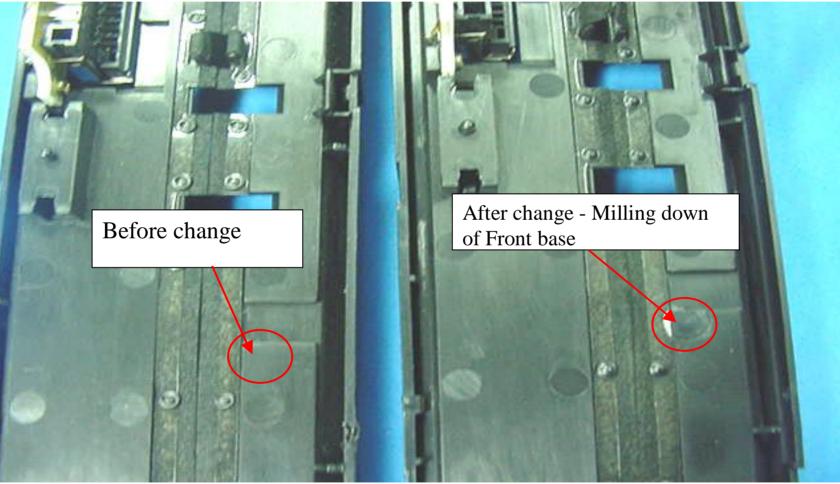


16 Prevent E-mecha: loading guides does not hold disc correctly when closed (Loading guide Ass'y) Change to modified part





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