

CDX-2160/EXCD-206

SERVICE MANUAL

US Model

EXCD-206

Canadian Model

E Model

CDX-2160

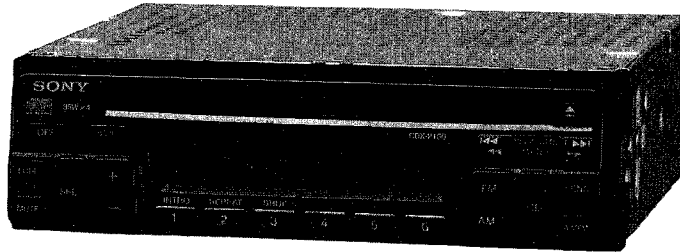


Photo : CDX-2160

SPECIFICATIONS

AUDIO POWER SPECIFICATIONS (US Model)

POWER OUTPUT AND TOTAL HARMONIC DISTORTION

7 watts per channel minimum continuous average power into 4 ohms, 4 channels driven from 20 Hz to 20 kHz with no more than 1 % total harmonic distortion.

Other Specifications

CD player section

System	Compact disc digital audio system
Signal-to-noise ratio	90 dB
Frequency response	10 - 20,000 Hz
Wow and flutter	Below measurable limit
Laser Diode properties	
Material	GaAlAs
Wavelength	780 nm
Emission Duration	Continuous
Laser output power	Less than 44.6 μ W*

* This output is the value measured at a distance of 200 mm from the objective lens surface on the Optical Pick-up Block.

Tuner section

FM

Tuning range	US, Canadian model: 87.5 - 107.9 MHz E model: FM tuning interval: 50 kHz/200 kHz switchable 87.5 - 108.0 MHz (at 50 kHz step) 87.5 - 107.9 MHz (at 200 kHz step)
Antenna terminal	External antenna connector
Intermediate frequency	10.7 MHz
Usable sensitivity	13 dBf
Selectivity	70 dB at 400 kHz
Signal-to-noise ratio	65 dB (stereo), 68 dB (mono)

Model Name Using Similar Mechanism	CDX-2100/EXCD-21
CD Drive Mechanism Type	MG-333X-121
Optical Pick-up Name	KSS-520A

Harmonic distortion at 1 kHz

	0.5% (stereo), 0.3% (mono)
Separation	33 dB at 1 kHz
Frequency response	30 - 15,000 Hz
Capture ratio	2 dB

AM

Tuning range	US, Canadian model: 530 - 1,710 kHz E model: AM tuning interval: 9 kHz/10 kHz switchable 531 - 1,602 kHz (at 9 kHz step) 530 - 1,710 kHz (at 10 kHz step)
Antenna terminal	External antenna connector
Intermediate frequency	450 kHz
Sensitivity	32 μ V

- Continued on next page -

FM/AM COMPACT DISC PLAYER



SONY®

Power amplifier section

Outputs	Speaker outputs (sure seal connectors)
Speaker impedance	4 - 8 ohms
Maximum power output	35 W x 4 (at 4 ohms)

General

Output lead	Power antenna control/ Power amplifier control lead
Tone controls	Bass ± 10 dB at 100 Hz Treble ± 10 dB at 10 kHz
Power requirements	12 V DC car battery (negative ground)
Dimensions	Approx. 178 x 50 x 180 mm (7 1/8 x 2 x 7 1/8 in.) (w/h/d)
Mounting dimension	Approx. 183 x 53 x 159 mm (7 1/4 x 2 1/8 x 6 3/8 in.) (w/h/d)
Mass	Approx. 1.2 kg (2 lb 10 oz.)
Supplied accessories	Parts for installation and connections (1 set)

Design and specifications are subject to change without notice.

SERVICE NOTE

CAUTION

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

Notes on Chip Component Replacement

- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

NOTES ON HANDLING THE OPTICAL PICK-UP BLOCK OR BASE UNIT

The laser diode in the optical pick-up block may suffer electrostatic breakdown because of the potential difference generated by the charged electrostatic load, etc. on clothing and the human body. During repair, pay attention to electrostatic breakdown and also use the procedure in the printed matter which is included in the repair parts.

The flexible board is easily damaged and should be handled with care.

NOTES ON LASER DIODE EMISSION CHECK

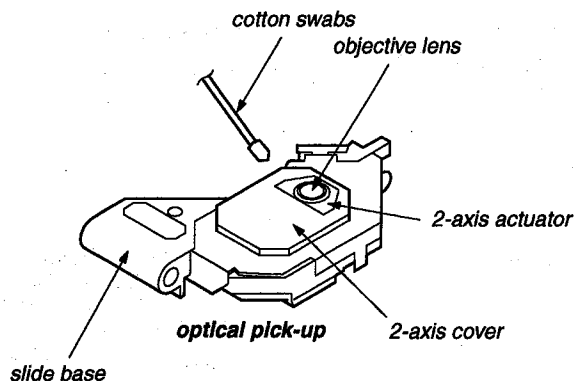
The laser beam on this model is concentrated so as to be focused on the disc reflective surface by the objective lens in the optical pick-up block. Therefore, when checking the laser diode emission, observe from more than 30 cm away from the objective lens.

NOTES ON PICK-UP FLEXIBLE BOARD

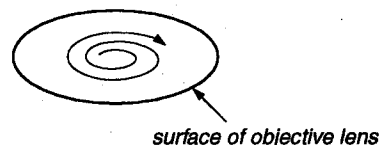
The pick-up flexible board in this set is secured to the optical pick-up with an adhesive tape. Once the tape is removed, an adhering force becomes weak, and it cannot be reused.

Therefore, if the optical pick-up is replaced, replace also the pick-up flexible board with a new one.

NOTES ON CLEANING THE OBJECTIVE LENS



Apply CD lens cleaner B-4 (Part No.:J-2501-000-A) to cotton swabs (narrow type) (Part No.:J-2501-023-A) to be lightly wet. Use a force (about 5 g (0.18 oz)) to make the objective lens in contact with the bottom lightly, and clean the lens by spirals as following below. Replace the cotton swab and repeat this cleaning two or three times.



Notes:

Do not force to push the objective lens. Otherwise, the plate spring supporting the objective lens will be bent, causing a deteriorated RF waveform.

Never touch anything other than the objective lens. Otherwise, a significant deterioration occurs in the RF waveform.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK Δ OR DOTTED LINE WITH MARK Δ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE Δ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

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SECTION 1 GENERAL

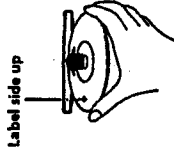
This section extracted from
EXCD-206's instruction manual.

5

CD Player Operation

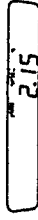
Playing a CD

After inserting the CD, playback will start from the first track automatically.



If a CD is already inserted, press the CD button to start playback.

When the unit starts CD playback, the elapsed playing time will be displayed. To display the elapsed playing time and the track number alternately, press the **EL** button.



When the last track on the CD is over, the track number indication will return to "1", and playback will continue from the first track of the CD.

Note
To play a 8 cm (3 in.) CD, use the optional Sony compact disc single adapter (CSA-9).

To stop playback,
eject the CD by pressing the **CD** button or press the **EL** button.
Playback stops also when you select another source (radio) by pressing the FM/AM button.

Ejecting the CD

Press the **CD** button.

Note
If you leave the ejected disc in the disc insertion slot after you have pressed the **CD** button, the disc will automatically retract into the unit after about 15 seconds in order to protect it.

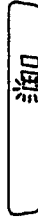
Setting the Clock

The clock has a 12-hour digital indication.

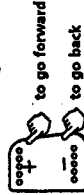
For example, setting it to 10:08

1 Display the time.
(Press the **SEL** or **CD** button during unit operation.)

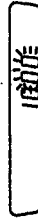
2 Press the **SEL** button for more than two seconds.



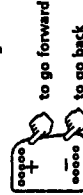
Set the hour digits.



3 Press the SEL button momentarily.



Set the minute digits.

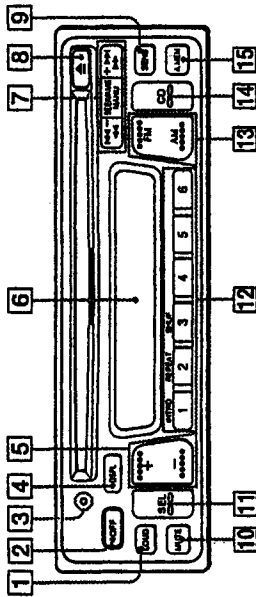


4 Press the **SEL** button momentarily.

The clock activates.

Note
If the car has no necessary position on the ignition key switch, the clock cannot be set unless the power is turned on. Set the clock after you have turned on the radio, or during CD playback.

Location of Controls



Refer to the pages in ● for details.

- 1** LOUD (loudness) button ●
- 2** OFF button ●●●
- 3** Reset button ●
- 4** DSP (display mode change/time set) button ●
- 5** +/- (volume/bass/treble/balance/fader control) button ●●
- 6** Display window
- 7** SEEK/AMS/MANU (automatic tuning/Automatic Music Sensor/manual search) button ●●
- 8** EJECT button ●●
- 9** SENS (sensitivity adjust) button ●
- 10** MUTE button ●
- 11** SEL (control mode select) button ●●●
- 12** During radio reception:
Preset number buttons ●
- 13** During CD playback:
1 INTRO (intro scan) button ●
2 REPEAT (repeat play) button ●
3 SHUF (shuffle play) button ●
4 FM/AM (radio on/band select) button ●●
- 14** CD (CD play) button ●
- 15** A.MEM (Automatic Memory function) button ●

Locating the Beginnings of Tracks

— AMS (Automatic Music Sensor) Function

During playback, press either side of the SEEK/AMS/MANU button once for each track you wish to skip.



Locating the Desired Part of a Track — Manual Search Function

During playback, press and hold either side of the SEEK/AMS/MANU button for more than two seconds. Release the button when you have found the desired part.



If you reverse to the beginning of the disc, " " appears on the display. Forwarding to the end of the disc causes " " to be displayed. In either case, you can neither proceed to the previous nor the following track.

Searching for the Desired Track — Intro Scan Function

Press the button during playback. → "INTRO" appears on the display. The first 10 seconds of all the tracks are played. When you find the desired track, press the button once more. The unit returns to normal playback mode.

Playing Tracks Repeatedly

— Repeat Play Function

Press the button during playback. → "REPEAT" appears on the display. When the currently played track is over, it will be played again from the beginning. To cancel this mode, press the button again.

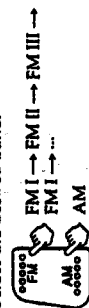
Playing Tracks in Random Order — Shuffle Play Function

Press the button during playback. → "SHUFF" appears on the display. All tracks on the currently selected disc are played in random order.

Radio Reception

Searching for Stations Automatically — Automatic Tuning

1 Select the desired band.

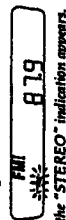


2 Press either side of the SEEK/AMS/MANU button once to search for the next station (automatic tuning).



The scanning stops when a station is received. Press either side of the SEEK/AMS/MANU button repeatedly until the desired station is received.

When an FM stereo program with sufficient signal strength is tuned in,



the "STEREO" indication appears.

To keep the automatic tuning from stopping on stations too frequently (local seek mode), press the button momentarily to get the "LOCAL" indication.

Only the stations with relatively strong signals will be tuned in. The local seek mode functions only when automatic tuning is in operation.

If FM Stereo Reception is

Poor — Monaural Mode

Press the button momentarily. → "MONO" appears on the display. The sound will improve, but it will be monaural.

By pressing the button, you can change the displayed items as follows:

→ LOCAL → MONO → Normal mode

Tuning in by Adjusting the Frequency — Manual Tuning

1 Select the desired band.

2 Press and hold either side of the SEEK/AMS/MANU button. Release the button when the desired station is received.



PREVENT ACCIDENTS!

When tuning in during driving, use automatic tuning.

Memorizing Stations Automatically

— Automatic Memory Function

Stations with the clearest reception are automatically searched and memorized on each band (FM I, FM II, FM III and AM). Up to 6 stations on each band can be stored on the preset number buttons 1 to 6 in the order of band frequency.

1 Select the desired band.

2 Press the button for more than two seconds.

The unit will be start scanning the selected band and memorize the tuned stations on the preset number button 1 through 6 automatically.

Memorizing Only the Desired Stations

- 1 Select the desired band (page 7).
- 2 Tune in the station which you wish to store on a preset number button.
- 3 Press and hold the desired preset number button (1 to 6) for about two seconds until you hear a beep tone.

The number of the pressed preset number button appears in the display window.

Up to 6 stations on each band (FM I, FM II, FM III and AM) can be stored on the preset number buttons in the order of your choice. Therefore, 18 stations can be memorized on FM.
If you try to store another station on the same preset number button, the previously stored station will be erased.

Receiving the Memorized Stations

- 1 Select the desired band (page 7).
- 2 Press momentarily the preset number button (1 to 6) on which the desired station is stored.

Note
If you press the preset number button for more than two seconds, the currently received station will be memorized. To receive the previously memorized station, make sure that the preset number button is pressed only momentarily.

Other Functions

Adjusting the Sound Characteristics

- 1 Select the item you want to adjust by pressing the SEL button repeatedly.
VOL (volume) → BAS (bass) → TRE (treble) → BALANCE → FADER → VOL (volume) → ...
- 2 Adjust the selected item by pressing either side of the +/- button.

Adjust within three seconds after selecting. (After three seconds the buttons will again serve as volume control buttons.)

Enjoying Bass and Treble at Low Volume

— Loudness Function

Press the (Loud) button. → "LOUD" will appear on the display.
The bass and treble will be boosted.
To cancel, press again.

Muting the Sound Quickly

— Mute Function

Press the (Mute) button. → The "MUTE" indication flashes.
The sound is muted at once.
To restore the previous volume level, press again.

This function will be also cancelled when:

- + side of the +/- or OFF button is pressed.
- ejecting a CD by pressing the E button during CD playback.

Muting the Beep Tone

Press the (Mute) button while pressing the SEL button.
To reactivate the beep tone, press these buttons once more.

Note
When connecting an optional power amplifier to the LINE OUT, the beep tone is disabled.

Turning on the Clock Display — Power Select Function

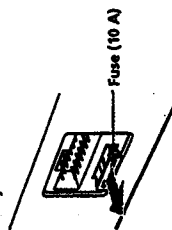
Only for cars with accessory position on the ignition key switch

To turn the Power Select Function on Press the (Power) button while pressing the SEL button.
To turn the accessory position ON or OFF, the clock will be displayed or not.
To avoid battery wear, the clock is not displayed when the unit is initialization.

Maintenance

Fuse Replacement

When replacing the fuse, be sure to use one matching the amperage rating stated on the fuse. If the fuse blows, check the power connection and replace the fuse. If the fuse blows again after replacement, there may be an internal malfunction. In such a case, consult your nearest Sony dealer.

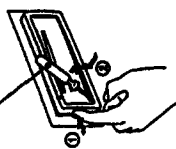


Warning
Never use a fuse with an amperage rating exceeding the one supplied with the unit as this could damage the unit.

Dismounting the Unit

- 1 While pushing in on the left side of the front cover, insert the tip of a thin screwdriver as shown in the illustration, then pry off the front cover.

Thin screwdriver
(Be careful not to break the front cover.)



- 2 Repeat step 1 on the right side. Then the front cover will be removed.



- 3 Use a thin screwdriver to push in the clip on the left side of the unit, then pull out the left side of the unit until the catch clears the mounting.



- 4 Repeat step 3 on the right side.



- 5 Slide the unit out of the mounting.



Connections

Caution

This unit is designed for negative ground 12 V DC operation only.
 Before making connections, disconnect the ground terminal of the car battery to avoid short circuits.
 Connect the yellow and red power input leads only after all other leads have been connected.
 Be sure to connect the red power input lead to the positive 12 V power terminal which is energized when the ignition key is in the accessory position.
 Run all ground wires to a common ground point.
 Connect the yellow cord to a free car circuit rated higher than the unit's fuse rating.
 If you connect this unit in series with other stereo components, the car circuit they are connected to must be rated higher than the sum of the individual component's fuse ratings.
 If there are no car circuits rated as high as the unit's fuse rating, connect the unit directly to the battery.
 If no car circuits are available for connecting this unit, connect the unit to a car circuit rated higher than the unit's fuse rating in such a way that if the unit blows its fuse, no other circuits will be cut off.
 The use of optical instruments with this product will increase eye hazard.

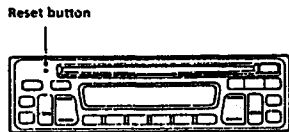
Your Car has an Accessory Position on the Ignition Key Switch

Power Select Function

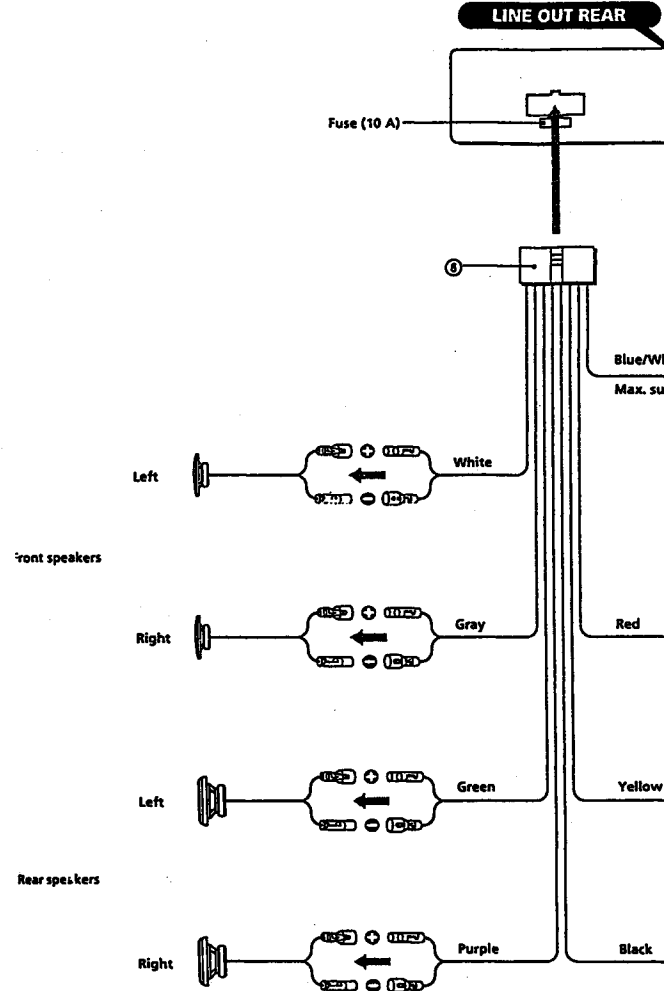
- turn the Power Select Function on
- press the OFF button while pressing the SEL button.
- turn the Accessory position ON or OFF, the clock will be displayed or not.
- avoid battery wear, the clock is not displayed when the unit is initialization.

Reset Button

When the installation and connections are over, be sure to press the reset button with a ball-point pen



Connections of Example

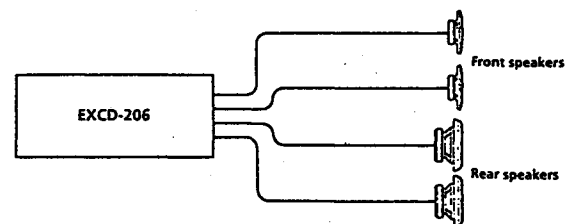


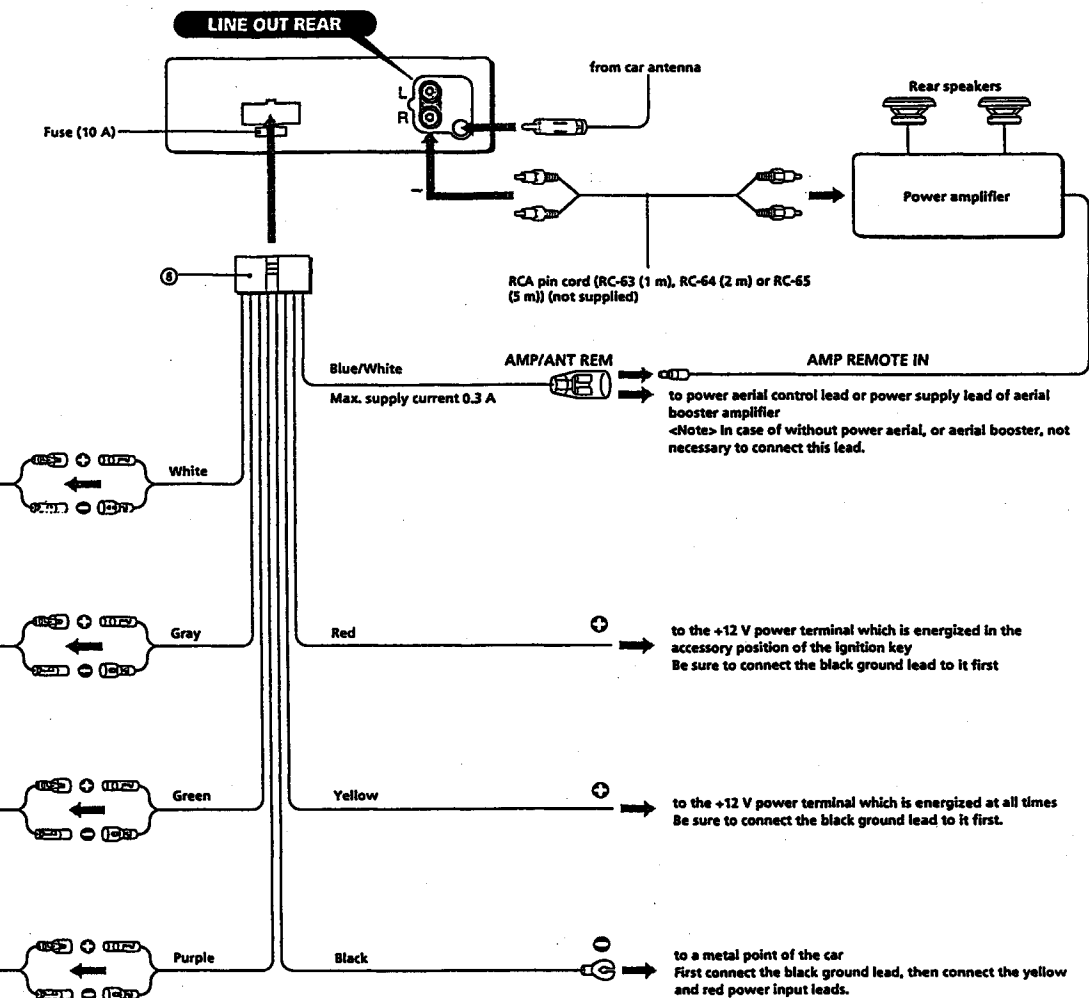
as on the control leads
 The AMP/ANT REM lead (blue) supplies +12 V DC when you turn on the unit. When the AMP/ANT REM lead is connected to the power antenna, the antenna will be extended as long as the unit is turned on.
 Power antenna without relay box cannot be used with this unit.

Memory hold connection
 When the yellow power input lead is connected, power will always be supplied to the memory circuit even when the ignition is off.

Connection Diagram

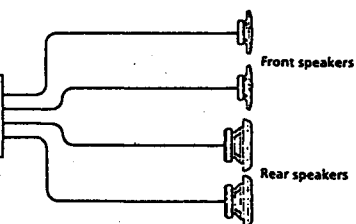
Example 1



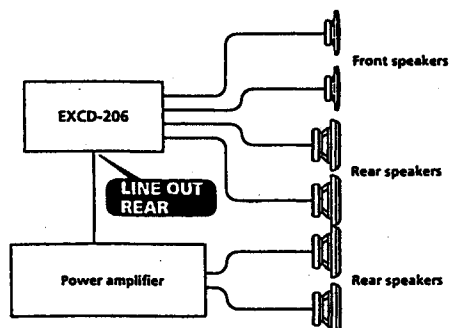


Notes on speaker connection

- Before connecting the speakers, turn the unit off.
- Use speakers with an impedance of 4 to 8 ohms, and with adequate power handling capacities. Otherwise, the speakers may be damaged.
- Do not connect the terminals of the speaker system to the car chassis, and do not connect the terminals of the right speaker with those of the left speaker.
- Do not attempt to connect the speakers in parallel.
- Do not connect any active speakers (with built-in amplifiers) to the speaker terminals of the unit. Doing so may damage the active speakers. Therefore, be sure to connect passive speakers to these terminals.



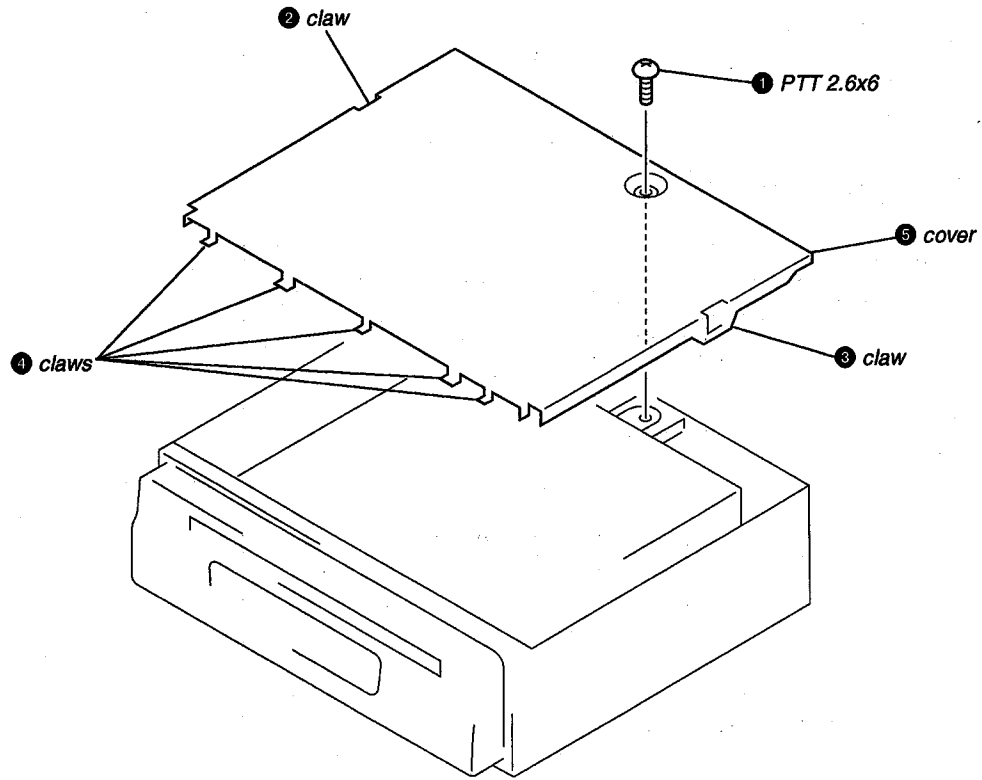
Example 2



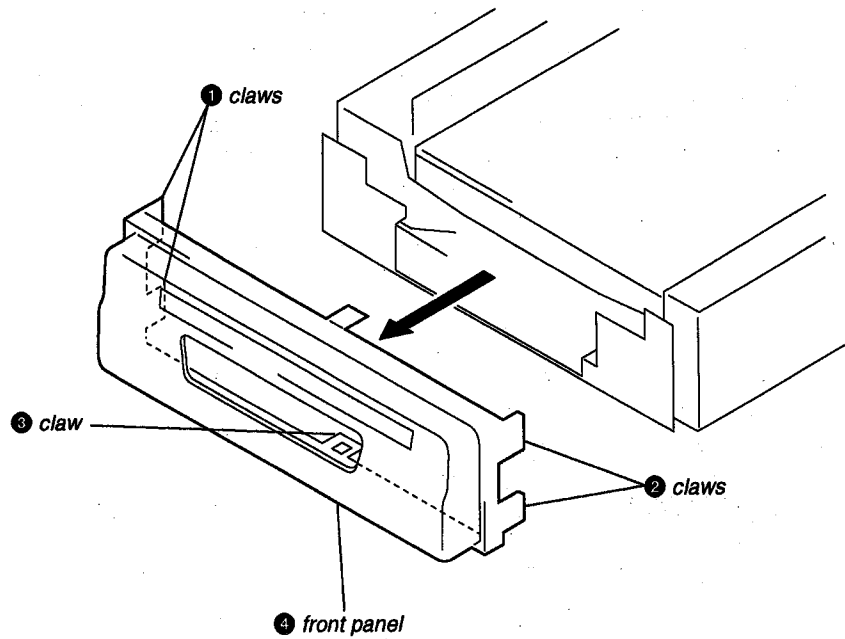
SECTION 2 DISASSEMBLY

Note : Follow the disassembly procedure in the numerical order given.

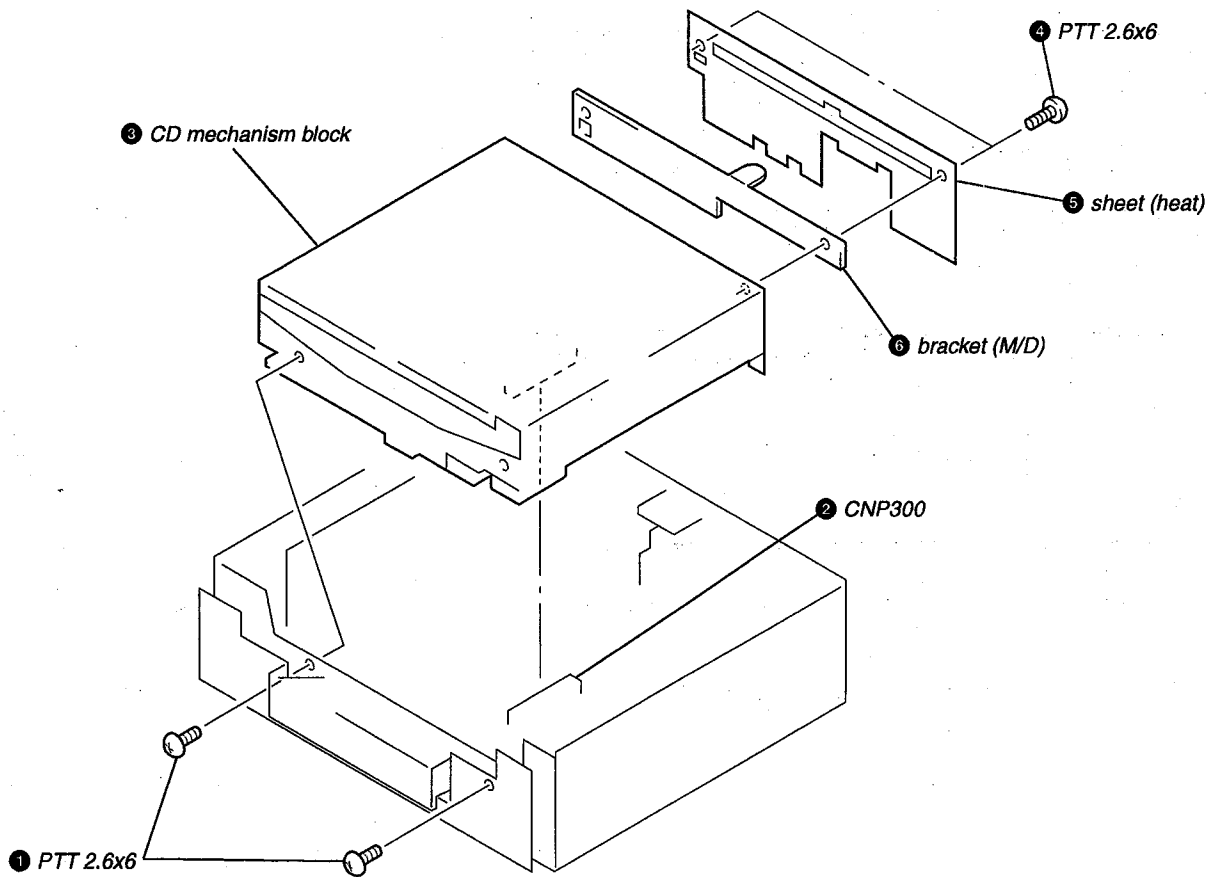
2-1. COVER



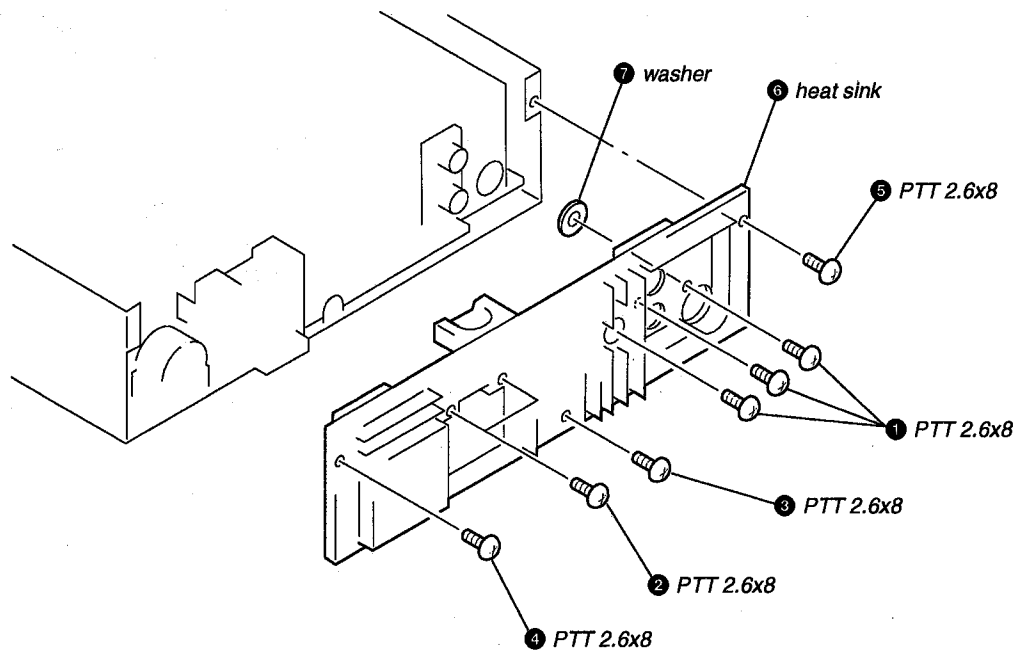
2-2. FRONT PANEL



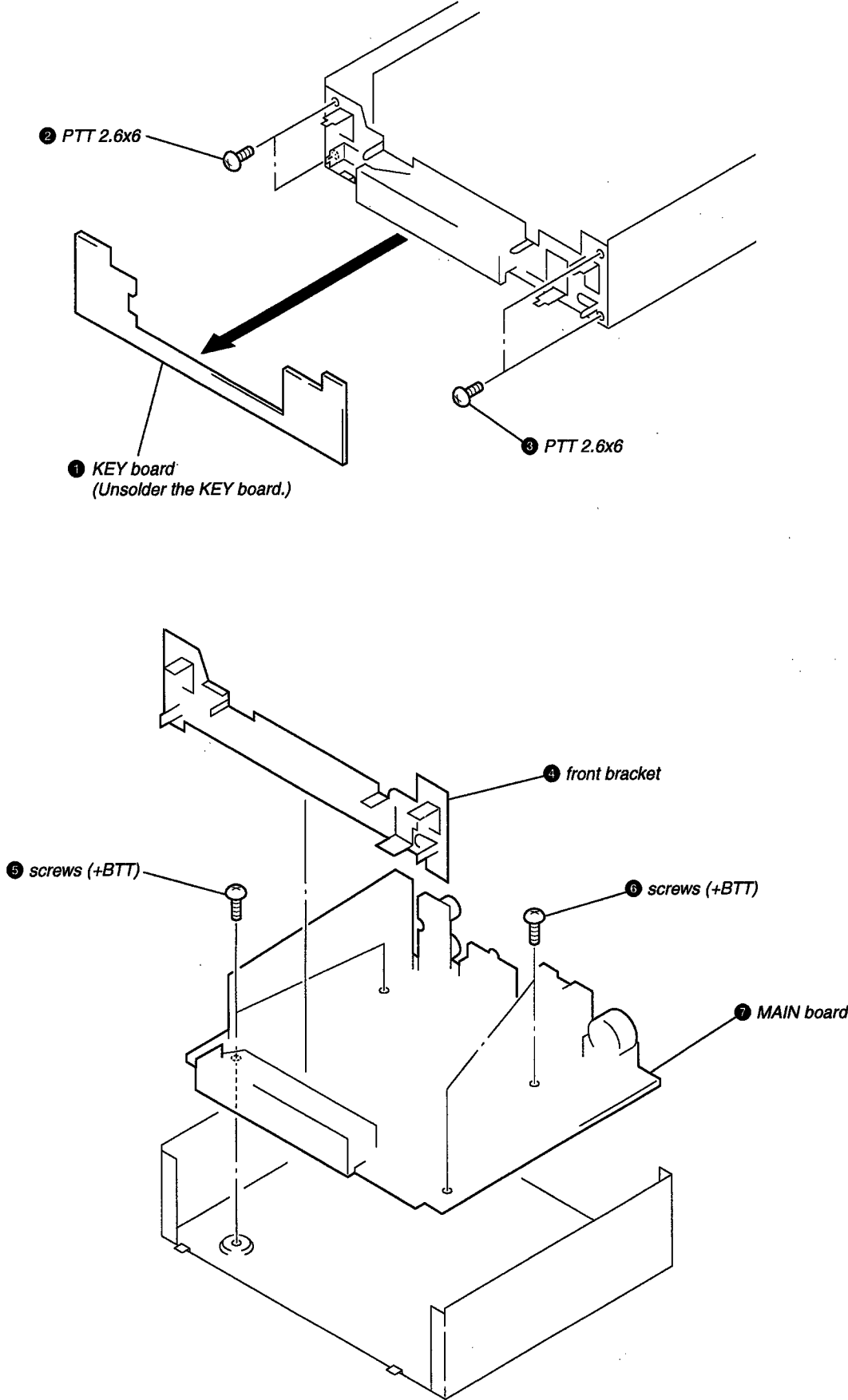
2-3. CD MECHANISM BLOCK



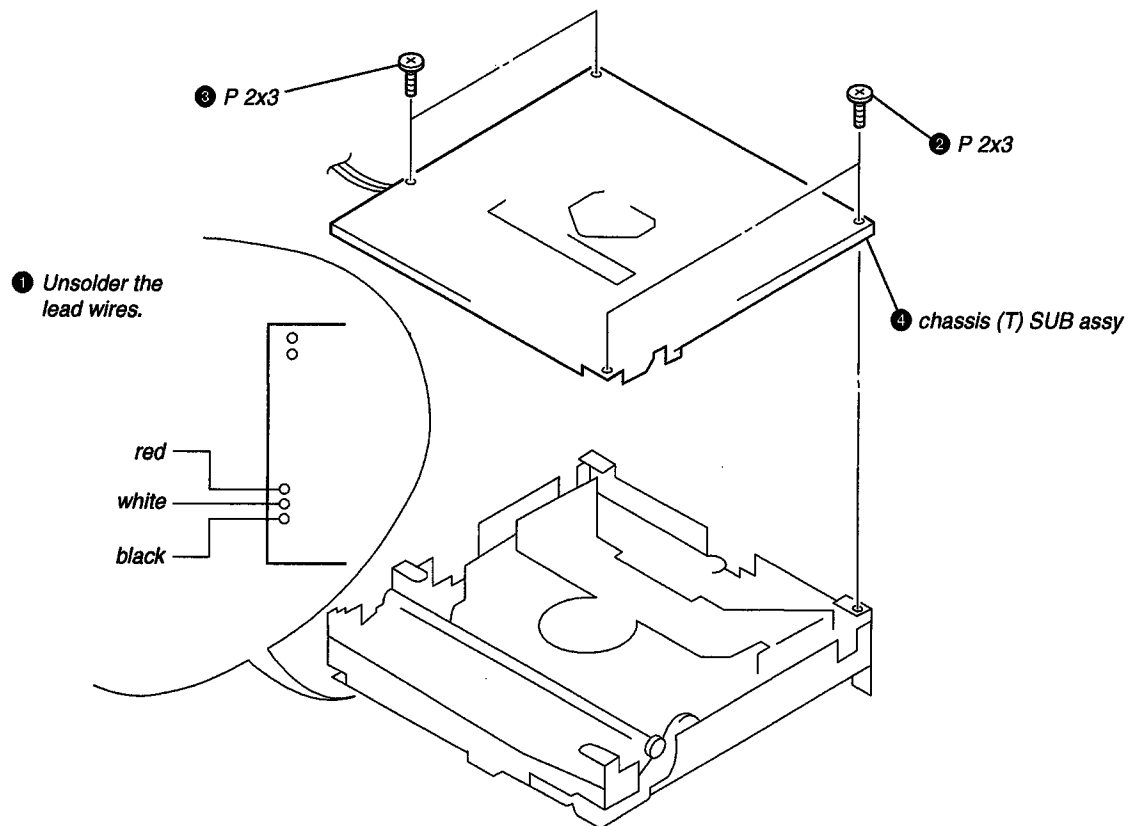
2-4. HEAT SINK



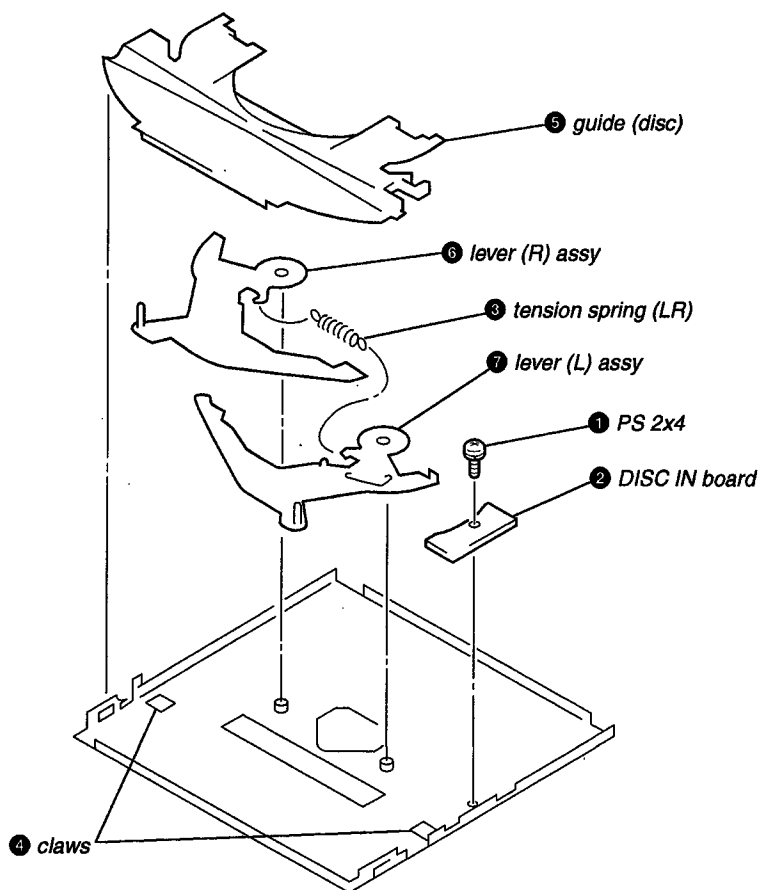
2-5. MAIN BOARD



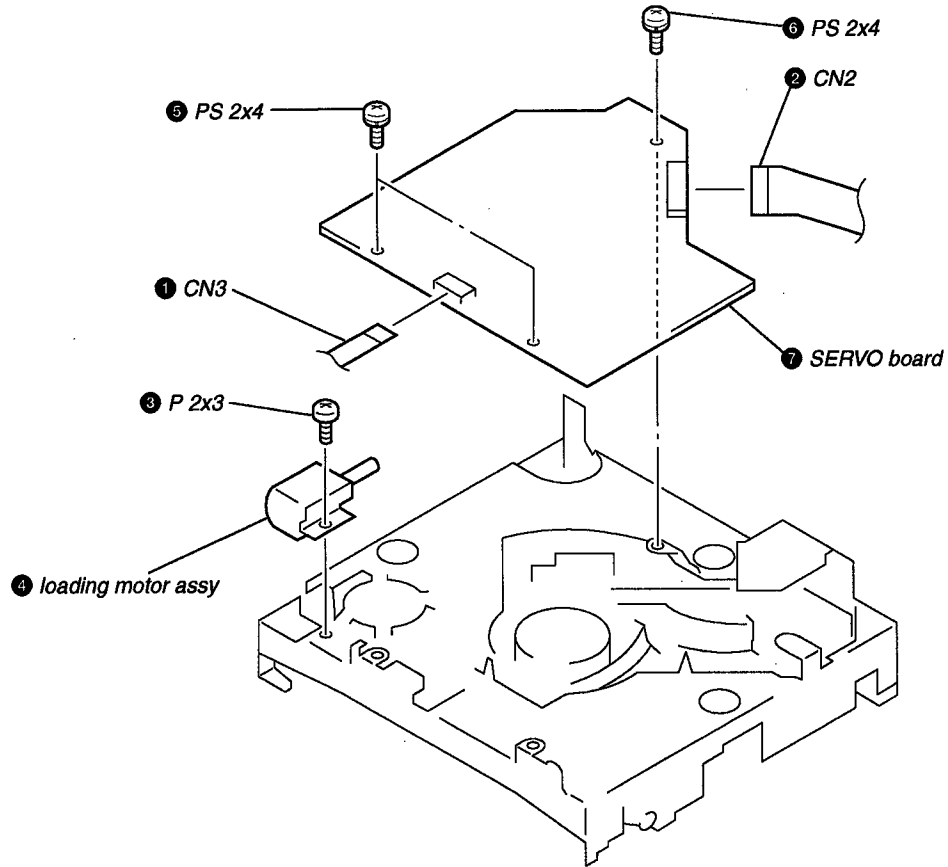
2-6. CHASSIS (T) SUB ASSY



2-7. LEVER ASSY

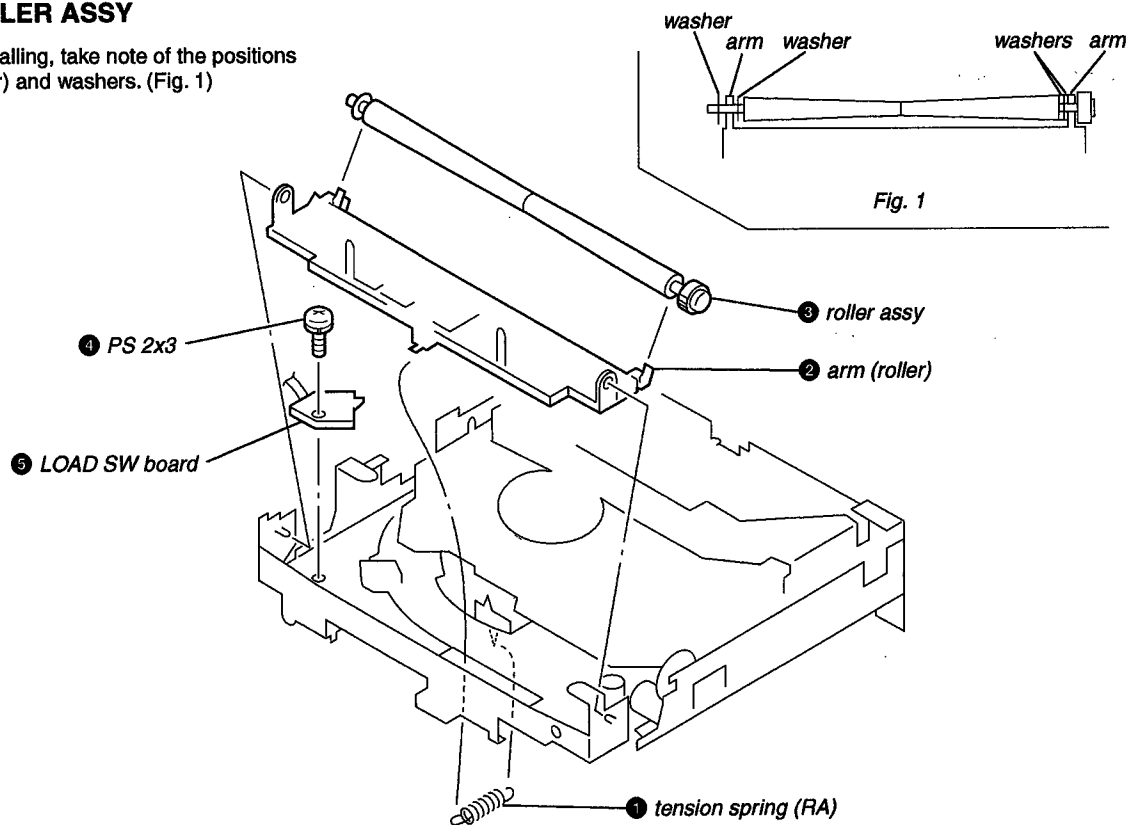


2-8. SERVO BOARD

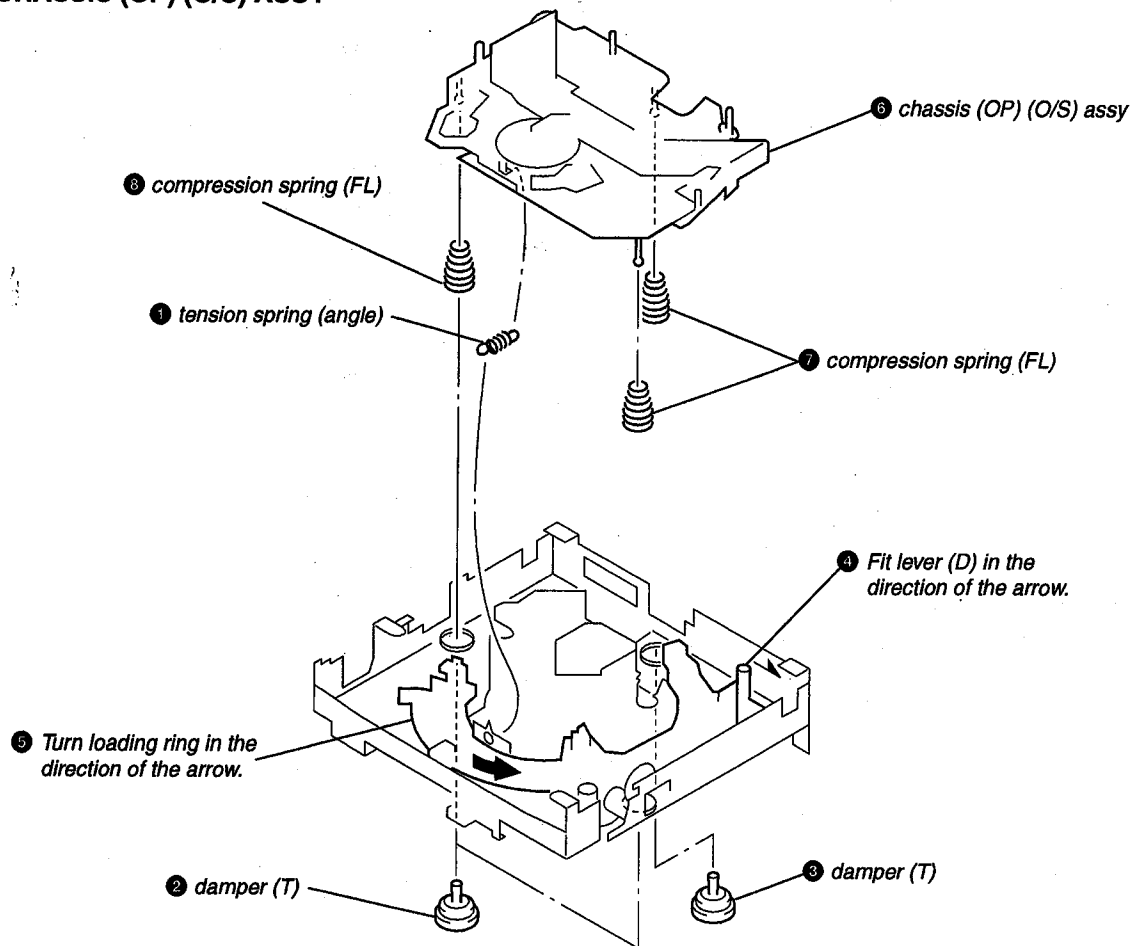


2-9. ROLLER ASSY

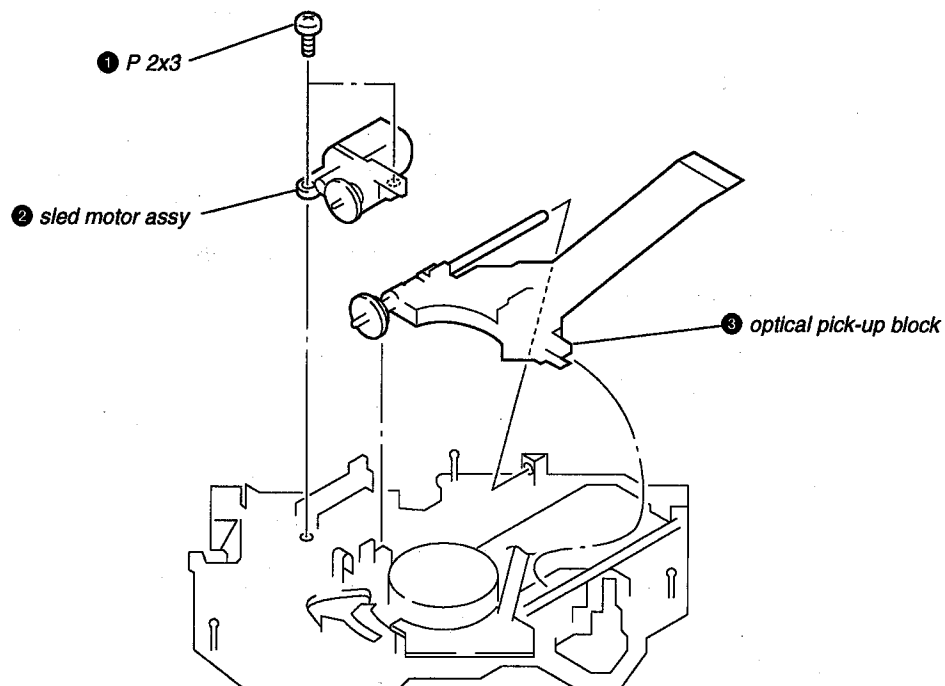
- When installing, take note of the positions arm (roller) and washers. (Fig. 1)



2-10. CHASSIS (OP) (O/S) ASSY



2-11. OPTICAL PICK-UP BLOCK



SECTION 3 ELECTRICAL ADJUSTMENTS

TEST MODE

This set have the test mode function. In the test mode, FM Auto Scan/ Stop Level and AM Auto Scan/Stop Level adjustments can be performed easier than it in ordinary procedure.

<Set the Test Mode>

1. Set the "OFF" mode.
2. Push the preset **[4]** button.
3. Push the preset **[5]** button.
4. Press the preset **[1]** button for more than two seconds.
5. Then the display indicates all lights, the test mode is set.

<Release the Test Mode>

1. Push the **[OFF]** button.

TUNER SECTION

0 dB = 1 μ V

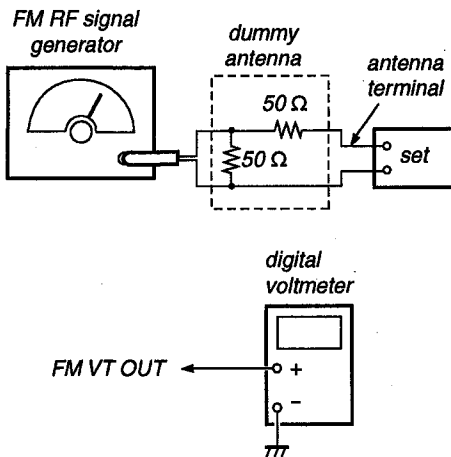
Cautions during repair

When the tuner unit is defective, replace it by a new one because its internal block is difficult to repair.

FM VT Voltage Adjustment

Setting :

FM/AM button : FM
Frequency Select switch (E model) : FM 200k



Procedure :

Adjust for following value reading on digital voltmeter.

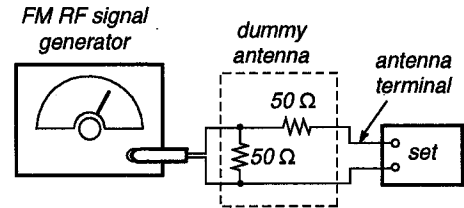
Frequency Display	87.5 MHz	107.9 MHz
Reading on Digital voltmeter	1.42 $\pm$ 0.05 V	7.2 $\pm$ 0.5 V
Adjustment Part	T4	(confirmation)

Adjustment Location : See page 18.

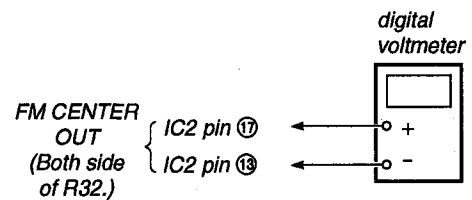
FM Center Adjustment

Setting :

FM/AM button : FM
Frequency Select switch (E model) : FM 200k

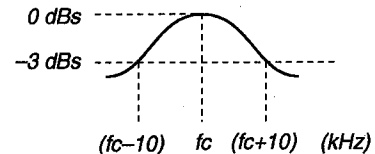


Carrier frequency : 98.1 MHz
Output level : 60 dB (1 mV)
Mode : mono
Modulation : 1 kHz, 75 kHz deviation (100 %)



Procedure :

1. Adjust T5 on TU1 so that the reading on the digital voltmeter becomes in 0 ± 50 mV.
2. Output an Fcenter 10 dB signal output from FM RF signal generator so that the LINE OUT REAR jack is -20 dBs.
3. Change the FM RF signal generator frequency and check the deviation of the frequency on + side and - side when the LINE OUT REAR jack drops 3 dB. (Both + side and - side is approx. 50 kHz.)
4. Re-adjust T5 on TU1 when the difference deviation of the frequency does more than 10 kHz.

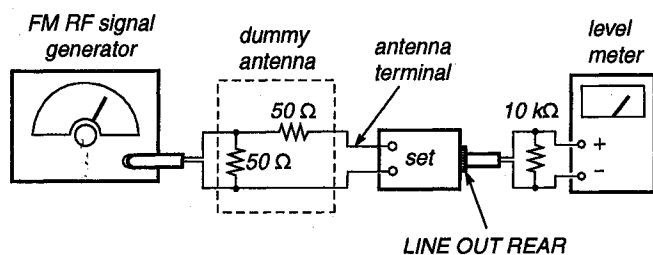


Adjustment Location : See page 18

FM SENS/IF Adjustment

Setting :

FM/AM button : FM
Frequency Select switch (E model) : FM 200k



Procedure :

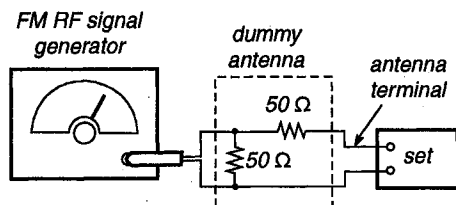
Adjust for a maximum reading on level meter.
T1-T3
87.5 MHz

Adjustment Location : See page 18.

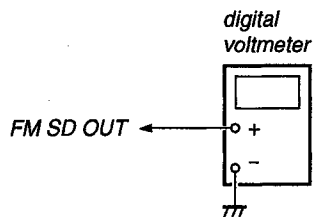
FM Auto Scan/Stop Level Adjustment

Setting :

FM/AM button : FM
Frequency Select switch (E model) : FM 200k



Carrier frequency : 98.1 MHz
Output level : 22 dB (12.6 μ V)
Mode : mono
Modulation : 1 kHz, 22.5 kHz deviation (30 %)



Procedure :

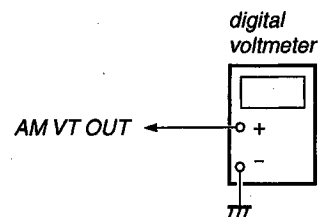
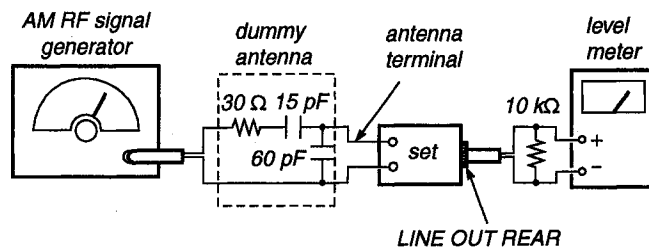
1. Adjust RV3 on TU1 so that the reading on the digital voltmeter changes point from minimum to maximum. (approx. 0.6 V)
2. Confirm that the set stops auto-scanning with FM RF signal generator output level set at 22 ± 6 dB.

Adjustment Location : See page 18.

AM VT Voltage Adjustment

Setting :

FM/AM button : AM
Frequency Select switch (E model) : AM 10k



Procedure :

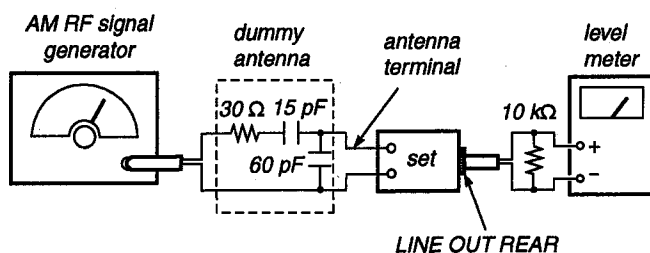
Adjust for following value reading on digital voltmeter.		
Frequency Display	530 kHz	1,710 kHz
Reading on Digital voltmeter	1.43 ± 0.05 V	6.8 ± 0.5 V
Adjustment Part	T9	(confirmation)

Adjustment Location : See page 18.

AM IF Adjustment

Setting :

FM/AM button : AM
Frequency Select switch (E model) : AM 10k



Procedure :

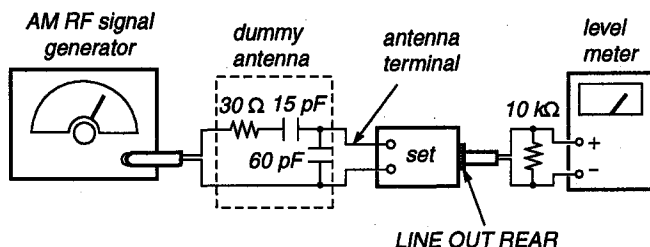
Adjust for a maximum reading on level meter.
T8
450 kHz

Adjustment Location : See page 18.

AM SENS Adjustment

Setting :

FM/AM button : AM
Frequency Select switch (E model) : AM 10k



Procedure :

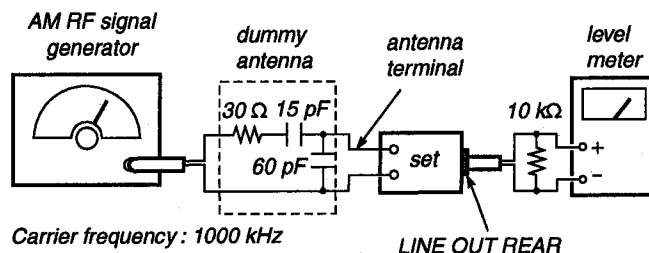
Adjust for a maximum reading on level meter.
T6, T7
530 kHz

Adjustment Location : See page 18.

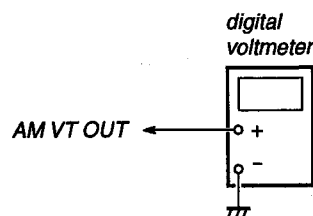
AM SD Adjustment

Setting :

FM/AM button : AM
Frequency Select switch (E model) : AM 10k



Carrier frequency : 1000 kHz
30% amplitude
modulation by
400 Hz signal
output level : 30 dB (31.6 μ V)



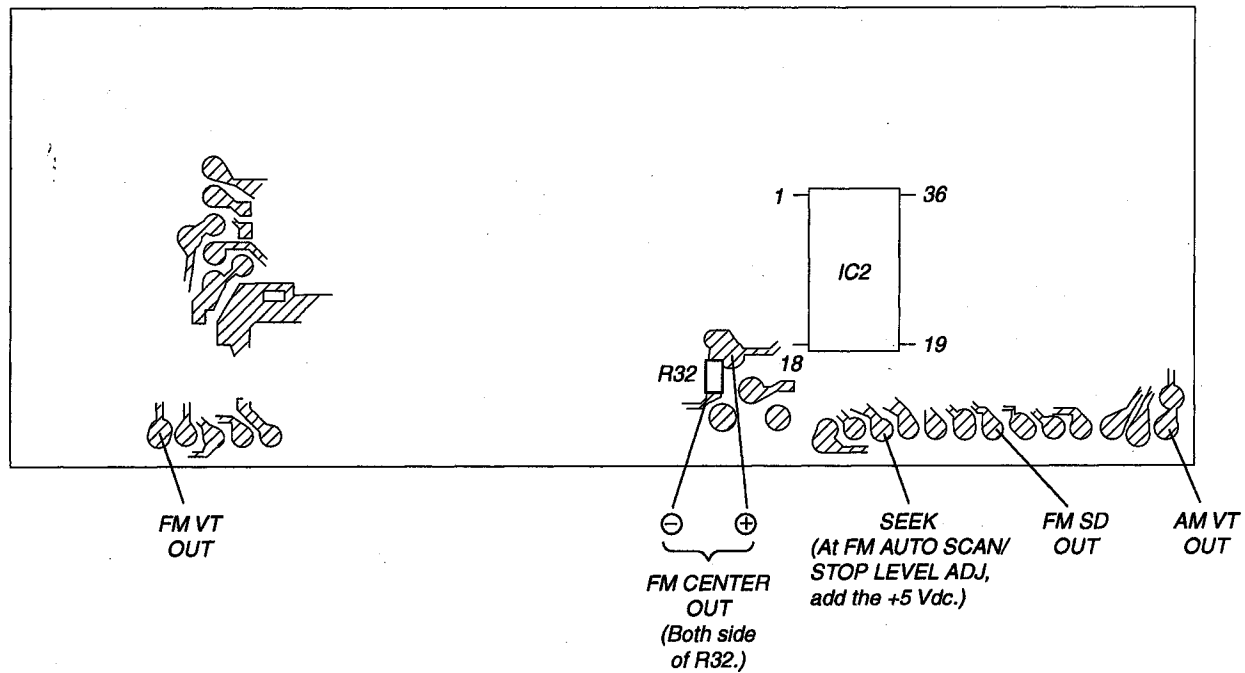
Procedure :

1. Adjust RV4 on TU1 so that the reading on the digital voltmeter changes point from minimum to maximum. (approx. 0.6 V)
2. Confirm that the set stops auto-scanning with AM RF signal generator output level set at 33 ± 4 dB.

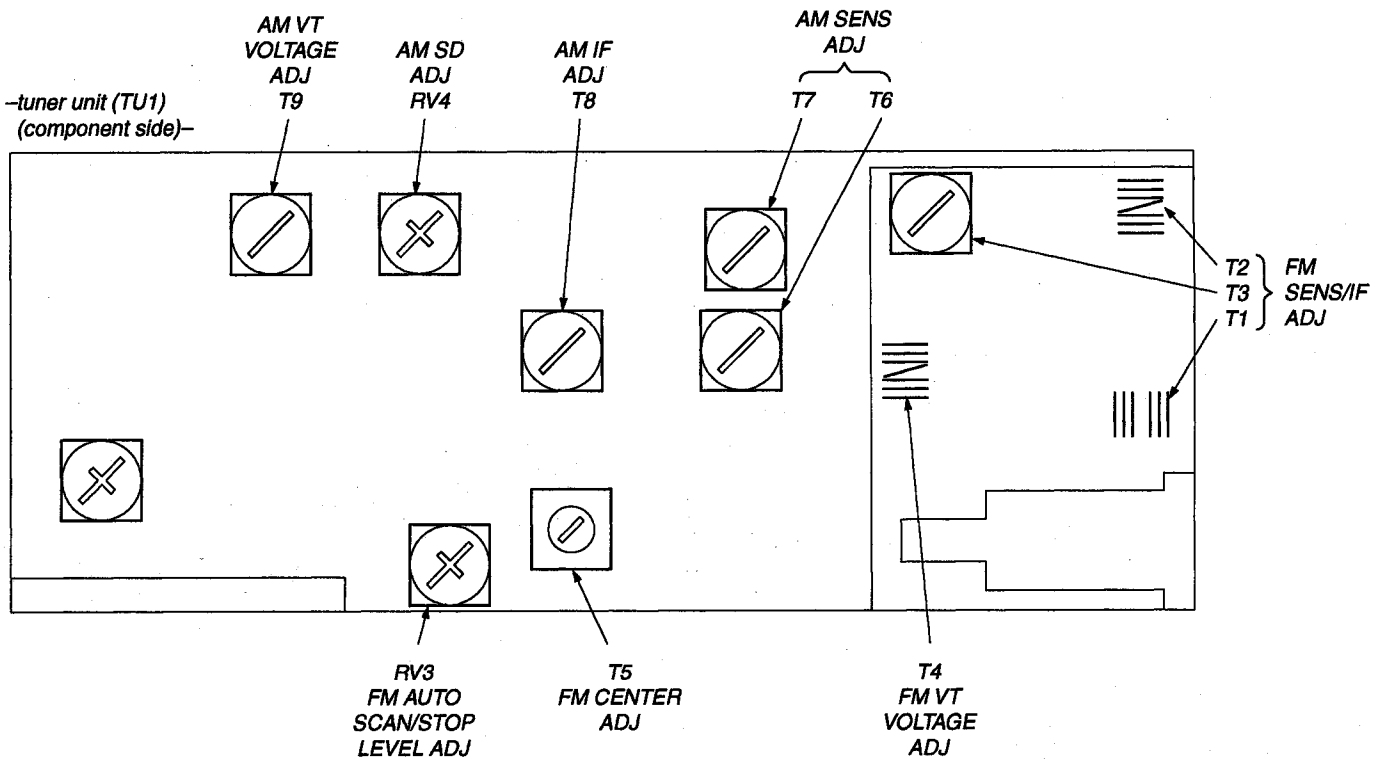
Adjustment Location : See page 18.

Adjustment Location : tuner unit (TU1)

—tuner unit (TU1) (conductor side)—



—tuner unit (TU1)
(component side)—



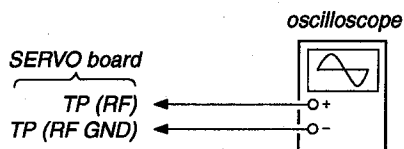
CD SECTION

Note :

1. CD Block basically constructed to operate without adjustment. Therefore, check each item in order given.
2. Use YEDS-18 disc (3-702-101-01) unless otherwise indicated.
3. Use the oscilloscope with more than 10 M Ω impedance.
4. Clean an objective lens by an applicator with neutral detergent when the signal level is low than specified value with the following checks.

Focus Bias Adjustment

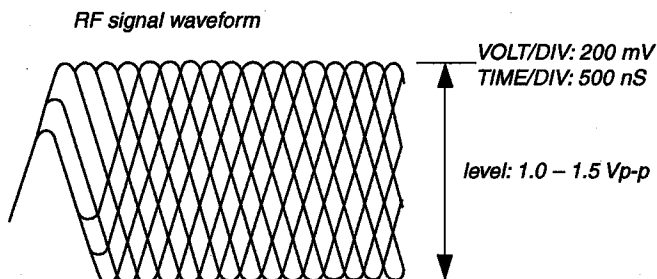
Setting : This adjustment is performed with the set placed horizontally.



Procedure :

1. Connect an oscilloscope between TP (RF) and TP (RF GND) on the SERVO board.
2. Connect the power supply.
3. Push the **RESET** button (S700) on the key board.
4. Insert the disc (YEDS-18) and playback.
5. Adjust RV1 so that the oscilloscope waveform is clear and check RF signal level is correct or not.

Note : Clear RF signal waveform means that the sharp "◇" can be clearly distinguished at the center of the waveform.



- When observing the eye pattern, set the oscilloscope to AC range and raise the vertical sensitivity so that it may be easily seen.

Adjustment Location : servo board

Focus Gain Adjustment (Coarse adjustment)

This adjustment is not required unless the following parts are replaced:

- Optical pick-up
- RV4

Procedure :

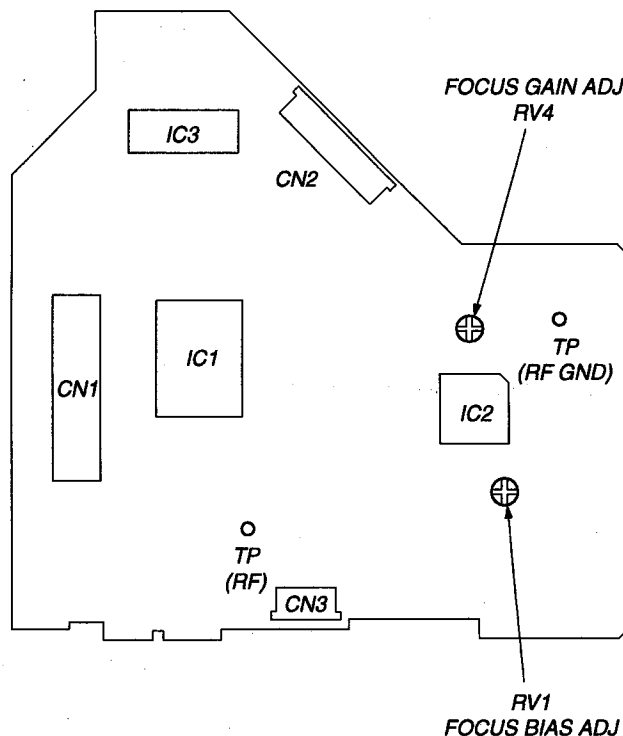
1. Set RV4 to the standard position. (mechanical center)
2. Check whether operation noise (while noise type) caused by the 2-axis device (lens section of the optical pick-up) is abnormally loud.

If the operation noise is too loud, turn RV4 slightly counter-clockwise.

- If the gain is too low :
Focus does not function and no music is selected.
- If the gain is too high :
Noise caused by scratches and dust is heard and the operation becomes unstable.

Adjustment Location : servo board

Adjustment Location : servo board (component side)



SECTION 5

EXPLODED VIEWS

NOTE:

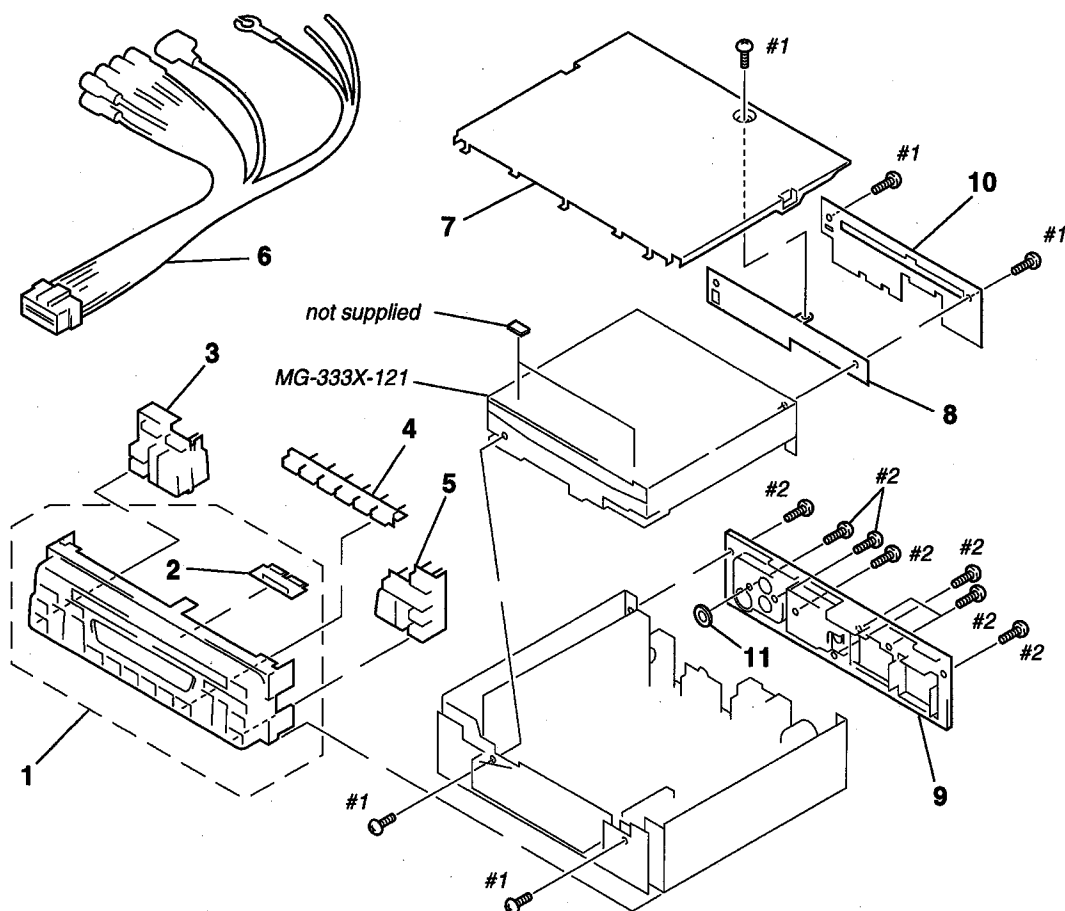
- The mechanical parts with no reference number in the exploded views are not supplied.
- Items marked “*” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Abbreviation
CND : Canadian model

- XX and -X mean standardized parts, so they may have some difference from the original one.
- Color Indication of Appearance Parts
Example :
KNOB, BALANCE (WHITE) ... (RED)
 ↑ ↑
 Parts Color Cabinet's Color
- Hardware (# mark) list and accessories and packing materials are given in the last of this parts list.

The components identified by mark Δ or dotted line with mark. Δ are critical for safety. Replace only with part number specified.

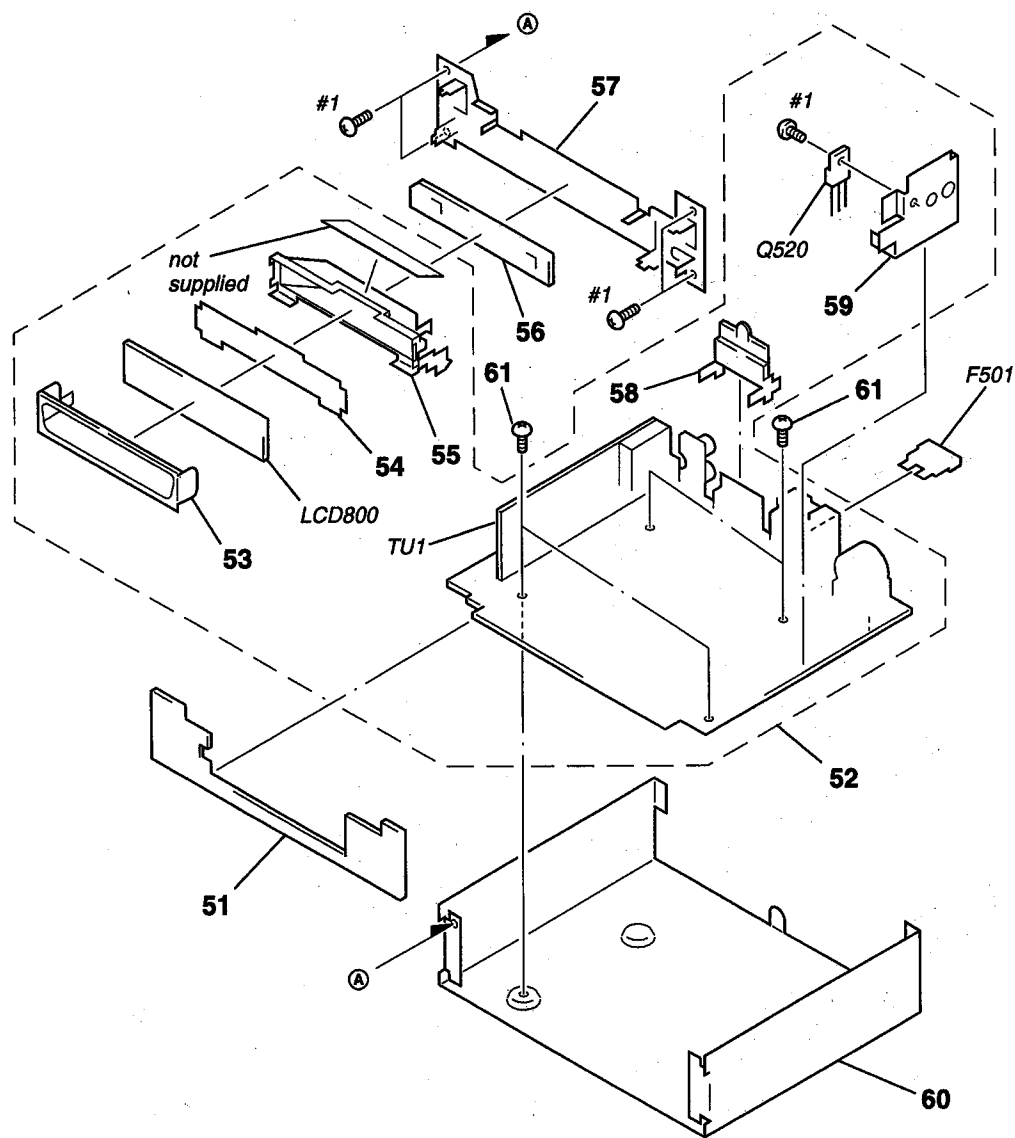
Les composants identifiés par une
marque Δ sont critiques pour
la sécurité.
Ne les remplacer que par une pièce
portant le numéro spécifié.

5-1. COVER SECTION



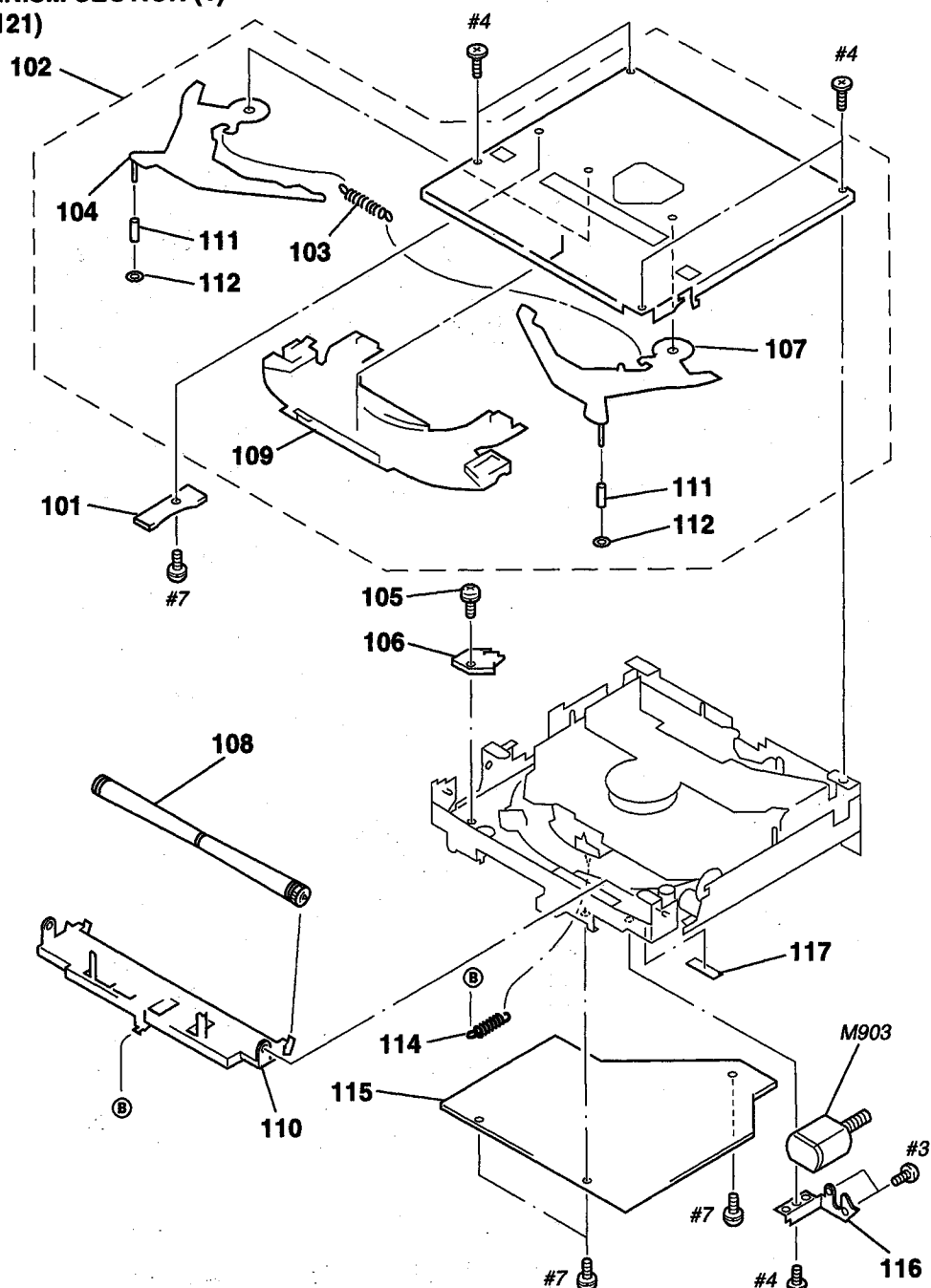
<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remark</u>	<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remark</u>
1	X-3373-102-1	PANEL SUB ASSY, FRONT (EXCD-206)		6	1-769-786-71	CORD (WITH CONNECTOR) (POWER)	
1	X-3373-104-1	PANEL SUB ASSY, FRONT (CDX-2160)		* 7	3-920-522-01	COVER	
* 2	3-920-508-01	PLATE (C), LIGHT GUIDE		* 8	3-932-397-21	BRACKET (M/D)	
3	3-931-960-01	BUTTON (OFF)		* 9	3-931-958-01	HEAT SINK	
4	3-920-503-01	BUTTON (1-6)		* 10	3-011-732-01	SHEET (HEAT)	
5	3-931-961-01	BUTTON (EJECT) (CD)		* 11	3-011-877-01	WASHER	

5-2. MAIN BOARD SECTION



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
* 51	A-3309-706-A	KEY BOARD, COMPLETE		* 58	3-931-260-01	BRACKET (IC)	
* 52	A-3309-703-A	MAIN BOARD, COMPLETE		* 59	3-920-529-01	BRACKET (REG) (IC)	
		(CDX-2160:CND,EXCD-206)		* 60	3-931-957-01	CHASSIS (MAIN)	
* 53	3-931-962-01	BRACKET (LCD)		61	3-922-535-11	SCREW (+BTT)	
* 54	3-011-733-01	ILLUMINATOR (LCD)		F501	1-532-877-11	FUSE (BLADE TYPE) (AUTO FUSE) 10A	
* 55	3-931-963-01	HOLDER (LCD)		LCD800	1-801-183-31	DISPLAY PANEL, LIQUID CRYSTAL	
* 56	1-664-325-11	LAMP, BOARD		Q520	8-729-019-00	TRANSISTOR 2SD2394-G	
* 57	3-931-964-01	BRACKET, FRONT		TU1	A-3309-704-A	TUNER UNIT (CDX-2160:CND,EXCD-206)	
				TU1	A-3309-993-A	TUNER UNIT (CDX-2160:E)	

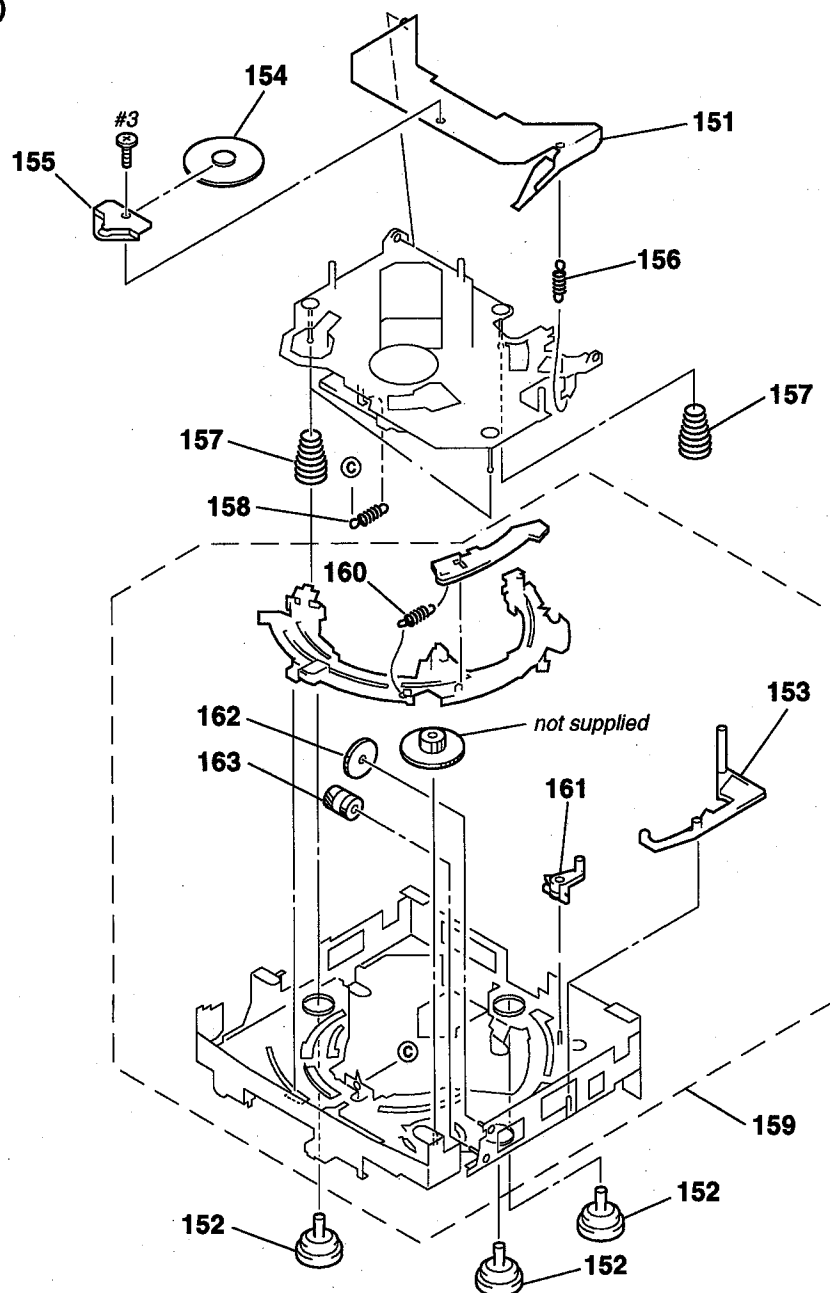
5-3. CD MECHANISM SECTION (1)
(MG-333X-121)



Ref. No.	Part No.	Description	Remark
* 101	1-659-836-11	DISC IN SW BOARD	
* 102	A-3291-816-A	CHASSIS (T) SUB ASSY	
103	3-931-909-01	SPRING (LR), TENSION	
104	X-3371-501-1	LEVER (L) ASSY	
105	3-338-737-01	SCREW (2X3), + PS	
* 106	1-659-837-11	LOAD SW BOARD	
107	X-3371-502-1	LEVER (R) ASSY	
108	A-3291-672-A	ROLLER ASSY	
109	3-931-908-01	GUIDE (DISC)	

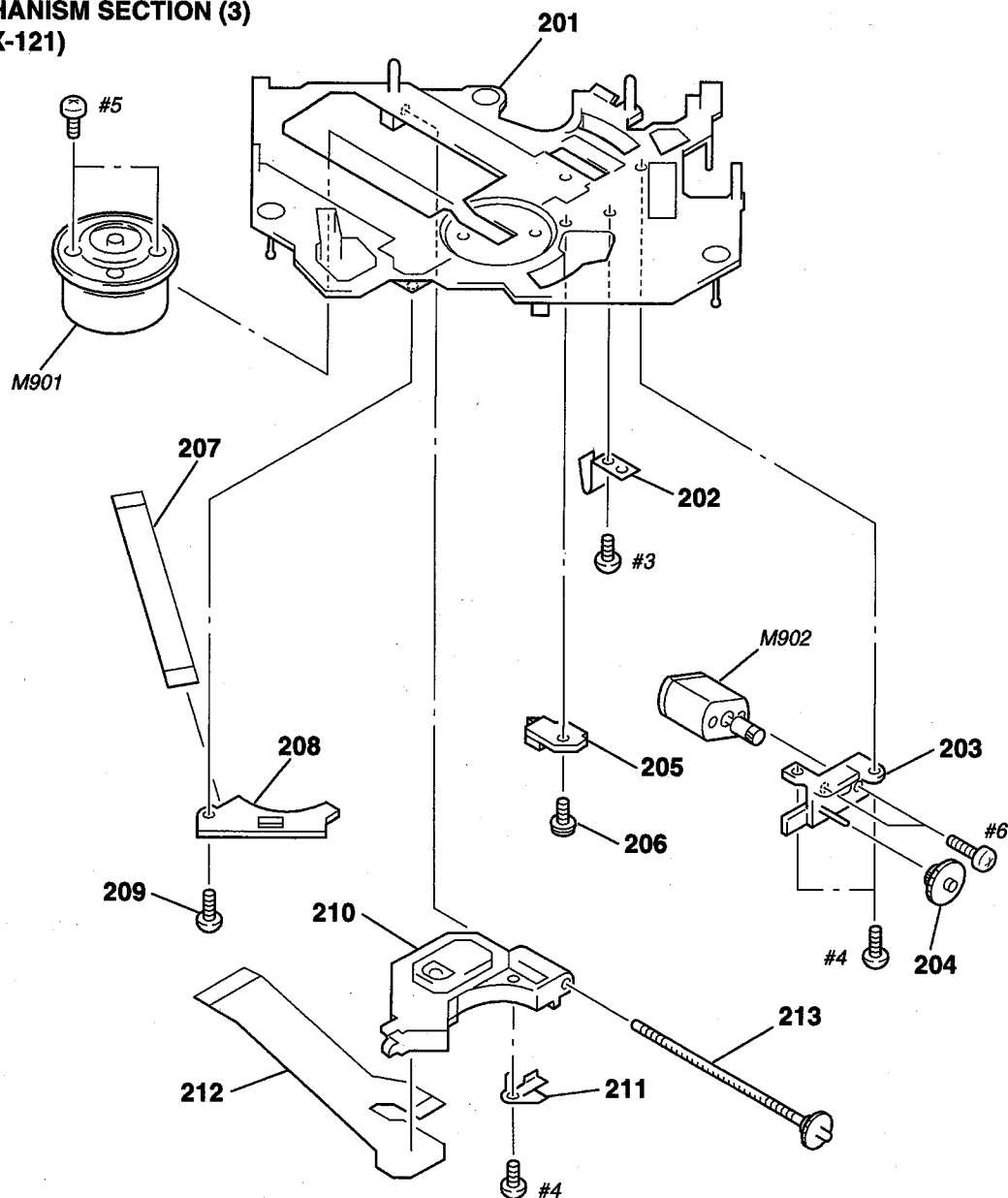
Ref. No.	Part No.	Description	Remark
110	3-931-902-01	ARM (ROLLER)	
111	3-936-756-01	ROLLER (D)	
112	3-321-393-01	WASHER, STOPPER	
114	3-931-916-01	SPRING (RA), TENSION	
* 115	A-3309-227-A	SERVO BOARD, COMPLETE	
* 116	3-007-530-01	BRACKET (MOTOR)	
* 117	3-939-139-01	SPACER	
M903	A-3291-676-A	MOTOR SUB ASSY, LOADING	

5-4. CD MECHANISM SECTION (2)
(MG-333X-121)



<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remark</u>	<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remark</u>
151	3-931-893-01	ARM, CHUCKING		158	3-931-914-01	SPRING (ANGLE), TENSION	
152	3-931-897-01	DAMPER (T)		* 159	A-3291-677-A	CHASSIS (M) COMPLETE ASSY	
153	3-931-879-02	LEVER (D)		160	3-931-883-01	SPRING (TR), TENSION	
* 154	3-913-404-11	RETAINER (DISC)		161	3-931-881-01	LEVER (LOCK)	
155	3-931-894-01	BRACKET (CP)		162	3-931-882-02	GEAR (MDL)	
156	3-931-895-01	SPRING (CH), TENSION		163	3-007-537-01	WHEEL (U), WORM	
157	3-931-898-01	SPRING (FL), COMPRESSION					

**5-5. CD MECHANISM SECTION (3)
(MG-333X-121)**



The components identified by mark
Δ or dotted line with mark. Δ are
critical for safety.
Replace only with part number
specified.

Les composants identifiés par une
marque Δ sont critiques pour
la sécurité.
Ne les remplacer que par une pièce
portant le numéro spécifié.

Ref. No.	Part No.	Description	Remark
* 201	X-3371-503-1	CHASSIS (OP) (O/S) ASSY	
202	3-931-829-01	SPRING (SL), PLATE	
203	X-3371-504-1	BASE (DRIVING) ASSY	
204	3-931-832-01	GEAR (SL MIDWAY)	
* 205	1-659-835-12	LIMIT SW BOARD	
206	3-338-737-01	SCREW (2X3), + PS	
207	1-659-880-11	MOTOR FLEXIBLE BOARD	
* 208	1-659-834-11	SUB BOARD	

Ref. No.	Part No.	Description	Remark
209	3-909-607-01	SCREW	
Δ 210	8-848-402-02	PICK-UP, OPTICAL KSS-520A/J2NP	
211	3-931-834-01	SPRING (FEED), PLATE	
212	1-659-881-11	PICK-UP FLEXIBLE BOARD	
213	A-3291-669-A	SHAFT (FEED) ASSY	
M901	X-3371-664-1	MOTOR ASSY (SPINDLE)	
M902	A-3291-674-A	MOTOR ASSY, SLED	

SECTION 6 ELECTRICAL PARTS LIST

DISC IN SW

KEY

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
All resistors are in ohms.
METAL: Metal-film resistor.
METAL OXIDE: Metal oxide-film resistor.
F: nonflammable
- Abbreviation
CND : Canadian model

- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
In each case, u : μ , for example:
uA.. : μ A.. uPA.. : μ PA..
uPB.. : μ PB.. uPC.. : μ PC.. uPD.. : μ PD..
- CAPACITORS
uF : μ F
- COILS
uH : μ H

The components identified by mark Δ or dotted line with mark. Δ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque Δ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

When indicating parts by reference number, please include the board.

Ref. No.	Part No.	Description	Remark
*	1-659-836-11	DISC IN SW BOARD *****	
		< SWITCH >	
SW1	1-572-288-11	SWITCH, PUSH (DISC IN)	
SW2	1-572-288-11	SWITCH, PUSH (SELF)	

*	A-3309-706-A	KEY BOARD, COMPLETE *****	
		< DIODE >	
D801	8-719-052-61	DIODE SLR-342PGT31 (MUTE)	
D802	8-719-052-61	DIODE SLR-342PGT31 (LOUD)	
D803	8-719-052-61	DIODE SLR-342PGT31 (OFF)	
D804	8-719-052-61	DIODE SLR-342PGT31 (DSPL)	
D805	8-719-052-61	DIODE SLR-342PGT31 (SEL)	
D806	8-719-052-61	DIODE SLR-342PGT31 (LEVEL)	
D807	8-719-052-61	DIODE SLR-342PGT31 (1/INTRO)	
D808	8-719-052-61	DIODE SLR-342PGT31 (2/REPEAT)	
D809	8-719-052-61	DIODE SLR-342PGT31 (FM/AM)	
D810	8-719-052-61	DIODE SLR-342PGT31 (CD)	
D811	8-719-052-61	DIODE SLR-342PGT31 (SENS)	
D812	8-719-052-61	DIODE SLR-342PGT31 (A.MEM)	
D813	8-719-052-61	DIODE SLR-342PGT31 (6)	
D814	8-719-052-61	DIODE SLR-342PGT31 (5)	
D815	8-719-052-61	DIODE SLR-342PGT31 (4)	
D816	8-719-052-61	DIODE SLR-342PGT31 (3/SHUF)	
D817	8-719-052-61	DIODE SLR-342PGT31 (◀◀ - / ◀◀ (SEEK/AMS MANU))	
D818	8-719-052-61	DIODE SLR-342PGT31 (+ ▶▶ / ▶▶ (SEEK/AMS MANU))	
D819	8-719-052-61	DIODE SLR-342PGT31 (▲ (EJECT))	
		< JUMPER RESISTOR >	
JR801	1-216-295-00	CONDUCTOR, CHIP (2012)	
		< RESISTOR >	
R802	1-249-411-11	CARBON 330 5% 1/4W	
R803	1-249-411-11	CARBON 330 5% 1/4W	

Ref. No.	Part No.	Description	Remark
R804	1-249-411-11	CARBON 330 5% 1/4W	
R805	1-249-411-11	CARBON 330 5% 1/4W	
R806	1-249-412-11	CARBON 390 5% 1/4W	
R809	1-216-053-00	METAL CHIP 1.5K 5% 1/10W	
R810	1-216-057-00	METAL CHIP 2.2K 5% 1/10W	
R811	1-216-061-00	METAL CHIP 3.3K 5% 1/10W	
R812	1-216-067-00	METAL CHIP 5.6K 5% 1/10W	
R813	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R814	1-216-083-00	METAL CHIP 27K 5% 1/10W	
R815	1-249-419-11	CARBON 1.5K 5% 1/4W	
R816	1-216-057-00	METAL CHIP 2.2K 5% 1/10W	
R817	1-216-061-00	METAL CHIP 3.3K 5% 1/10W	
R818	1-216-067-00	METAL CHIP 5.6K 5% 1/10W	
R819	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R820	1-216-083-00	METAL CHIP 27K 5% 1/10W	
R821	1-216-053-00	METAL CHIP 1.5K 5% 1/10W	
R822	1-216-057-00	METAL CHIP 2.2K 5% 1/10W	
R823	1-216-061-00	METAL CHIP 3.3K 5% 1/10W	
R824	1-216-067-00	METAL CHIP 5.6K 5% 1/10W	
R825	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R829	1-216-083-00	METAL CHIP 27K 5% 1/10W	
		< SWITCH >	
S700	1-572-704-31	SWITCH, KEY BOARD (RESET)	
S801	1-572-704-31	SWITCH, KEY BOARD (OFF)	
S802	1-572-704-31	SWITCH, KEY BOARD (- (LEVEL))	
S803	1-572-704-31	SWITCH, KEY BOARD (1/INTRO)	
S804	1-572-704-31	SWITCH, KEY BOARD (2/REPEAT)	
S805	1-572-704-31	SWITCH, KEY BOARD (3/SHUF)	
S806	1-572-704-31	SWITCH, KEY BOARD (4)	
S807	1-572-704-31	SWITCH, KEY BOARD (5)	
S808	1-572-704-31	SWITCH, KEY BOARD (CD)	
S809	1-572-704-31	SWITCH, KEY BOARD (FM)	
S810	1-572-704-31	SWITCH, KEY BOARD (SEL)	
S811	1-572-704-31	SWITCH, KEY BOARD (MUTE)	
S812	1-572-704-31	SWITCH, KEY BOARD (LOUD)	
S813	1-572-704-31	SWITCH, KEY BOARD (+ (LEVEL))	
S814	1-572-704-31	SWITCH, KEY BOARD (DSPL)	
S815	1-572-704-31	SWITCH, KEY BOARD (AM)	

KEY	LAMP	LIMIT SW	LOAD SW	MAIN
-----	------	----------	---------	------

Ref. No.	Part No.	Description	Remark
S816	1-572-704-31	SWITCH, KEY BOARD (▲ (EJECT))	
S817	1-572-704-31	SWITCH, KEY BOARD (◀◀ - / ◀◀ (SEEK/AMS MANU))	
S818	1-572-704-31	SWITCH, KEY BOARD (+ ▶▶▶ / ▶▶▶ (SEEK/AMS MANU))	
S819	1-572-704-31	SWITCH, KEY BOARD (SENS)	
S820	1-572-704-31	SWITCH, KEY BOARD (A.MEM)	
S821	1-572-704-31	SWITCH, KEY BOARD (6)	

	1-664-325-11	LAMP BOARD *****	
		< PILOT LAMP >	
PL801	1-517-665-11	LAMP, PILOT	
PL802	1-517-665-11	LAMP, PILOT	
PL803	1-517-665-11	LAMP, PILOT	

*	1-659-835-12	LIMIT SW BOARD *****	
		< SWITCH >	
SW3	1-572-688-11	SWITCH, PUSH (1 KEY) (LIMIT)	

*	1-659-837-11	LOAD SW BOARD *****	
		< SWITCH >	
SW4	1-572-288-11	SWITCH, PUSH (DOWN)	

*	A-3309-703-A	MAIN BOARD, COMPLETE (CDX-2160:CND,EXCD-206)	
*	A-3309-992-A	MAIN BOARD, COMPLETE (CDX-2160:E) *****	
	1-774-912-11	JACK (ANT)	
*	3-011-733-01	ILLUMINATOR (LCD)	
*	3-920-529-01	BRACKET (REG) (IC)	
*	3-931-260-01	BRACKET (IC)	
*	3-931-962-01	BRACKET (LCD)	
*	3-931-963-01	HOLDER (LCD)	
	7-621-770-67	SCREW +PTT 2.6X6 (S)	
		< CAPACITOR >	
C101	1-163-135-00	CERAMIC CHIP 560PF 5% 50V	
C102	1-164-343-11	CERAMIC CHIP 0.056uF 10% 25V	
C103	1-164-346-11	CERAMIC CHIP 1uF 16V	
C104	1-164-004-11	CERAMIC CHIP 0.1uF 10% 25V	
C105	1-163-017-00	CERAMIC CHIP 0.0047uF 5% 50V	

Ref. No.	Part No.	Description	Remark
C106	1-126-157-11	ELECT 10uF 20% 16V	
C107	1-164-489-11	CERAMIC CHIP 0.22uF 10% 16V	
C108	1-163-235-11	CERAMIC CHIP 22PF 5% 50V	
C109	1-126-157-11	ELECT 10uF 20% 16V	
C110	1-126-157-11	ELECT 10uF 20% 16V	
C111	1-126-157-11	ELECT 10uF 20% 16V	
C112	1-126-157-11	ELECT 10uF 20% 16V	
C113	1-163-009-11	CERAMIC CHIP 0.001uF 10% 50V	
C114	1-164-005-11	CERAMIC CHIP 0.47uF 25V	
C115	1-164-005-11	CERAMIC CHIP 0.47uF 25V	
C116	1-136-165-00	FILM 0.1uF 5% 50V	
C117	1-136-165-00	FILM 0.1uF 5% 50V	
C118	1-136-165-00	FILM 0.1uF 5% 50V	
C119	1-136-165-00	FILM 0.1uF 5% 50V	
C122	1-163-023-00	CERAMIC CHIP 0.015uF 5% 50V	
C123	1-163-017-00	CERAMIC CHIP 0.0047uF 5% 50V	
C124	1-124-234-00	ELECT 22uF 20% 16V	
C125	1-124-234-00	ELECT 22uF 20% 16V	
C126	1-163-235-11	CERAMIC CHIP 22PF 5% 50V	
C127	1-164-161-11	CERAMIC CHIP 0.0022uF 10% 100V	
C201	1-163-135-00	CERAMIC CHIP 560PF 5% 50V	
C202	1-164-343-11	CERAMIC CHIP 0.056uF 10% 25V	
C203	1-164-346-11	CERAMIC CHIP 1uF 16V	
C204	1-164-004-11	CERAMIC CHIP 0.1uF 10% 25V	
C205	1-163-017-00	CERAMIC CHIP 0.0047uF 5% 50V	
C206	1-126-157-11	ELECT 10uF 20% 16V	
C207	1-164-489-11	CERAMIC CHIP 0.22uF 10% 16V	
C208	1-163-235-11	CERAMIC CHIP 22PF 5% 50V	
C209	1-126-157-11	ELECT 10uF 20% 16V	
C210	1-126-157-11	ELECT 10uF 20% 16V	
C211	1-126-157-11	ELECT 10uF 20% 16V	
C212	1-126-157-11	ELECT 10uF 20% 16V	
C213	1-163-009-11	CERAMIC CHIP 0.001uF 10% 50V	
C214	1-164-005-11	CERAMIC CHIP 0.47uF 25V	
C215	1-164-005-11	CERAMIC CHIP 0.47uF 25V	
C216	1-136-165-00	FILM 0.1uF 5% 50V	
C217	1-136-165-00	FILM 0.1uF 5% 50V	
C218	1-136-165-00	FILM 0.1uF 5% 50V	
C219	1-136-165-00	FILM 0.1uF 5% 50V	
C222	1-163-023-00	CERAMIC CHIP 0.015uF 5% 50V	
C223	1-163-017-00	CERAMIC CHIP 0.0047uF 5% 50V	
C224	1-124-234-00	ELECT 22uF 20% 16V	
C225	1-124-234-00	ELECT 22uF 20% 16V	
C226	1-163-235-11	CERAMIC CHIP 22PF 5% 50V	
C227	1-164-161-11	CERAMIC CHIP 0.0022uF 10% 100V	
C301	1-124-584-00	ELECT 100uF 20% 10V	
C304	1-163-239-11	CERAMIC CHIP 33PF 5% 50V	
C305	1-163-235-11	CERAMIC CHIP 22PF 5% 50V	
C306	1-163-235-11	CERAMIC CHIP 22PF 5% 50V	

Ref. No.	Part No.	Description			Remark
C307	1-128-057-11	ELECT	330uF	20%	6.3V
C308	1-164-232-11	CERAMIC CHIP	0.01	10%	100V
C399	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C401	1-117-390-11	ELECT	2200uF	20%	16V
C402	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C404	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C405	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C406	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C407	1-163-109-00	CERAMIC CHIP	47PF	5%	50V
C408	1-124-242-00	ELECT	33uF	20%	25V
C409	1-126-163-11	ELECT	4.7uF	20%	50V
C416	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C417	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C418	1-126-157-11	ELECT	10uF	20%	16V
C419	1-124-584-00	ELECT	100uF	20%	10V
C420	1-163-809-11	CERAMIC CHIP	0.047uF	10%	25V
C434	1-164-346-11	CERAMIC CHIP	1uF		16V
C435	1-126-163-11	ELECT	4.7uF	20%	50V
C501	1-126-962-11	ELECT	3.3uF	20%	50V
C503	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C507	1-125-701-11	DOUBLE LAYERS	0.047F		5.5V
C511	1-124-234-00	ELECT	22uF	20%	16V
C512	1-126-966-11	ELECT	33uF	20%	16V
C513	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C514	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C516	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C517	1-104-661-00	ELECT	330uF	20%	16V
C518	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C523	1-126-160-11	ELECT	1uF	20%	50V
C613	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C614	1-126-163-11	ELECT	4.7uF	20%	50V
C615	1-126-163-11	ELECT	4.7uF	20%	50V
C616	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C700	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C701	1-163-117-00	CERAMIC CHIP	100PF	5%	50V (CDX-2160:E)
C702	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C703	1-163-109-00	CERAMIC CHIP	47PF	5%	50V
C704	1-163-234-11	CERAMIC CHIP	20PF	5%	50V
C705	1-163-099-00	CERAMIC CHIP	18PF	5%	50V
C706	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C707	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C708	1-124-584-00	ELECT	100uF	20%	10V
C901	1-164-232-11	CERAMIC CHIP	0.01uF	10%	100V
C902	1-164-232-11	CERAMIC CHIP	0.01uF	10%	100V
C903	1-164-232-11	CERAMIC CHIP	0.01uF	10%	100V
C904	1-164-222-11	CERAMIC CHIP	0.22uF		25V
C997	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C998	1-163-077-00	CERAMIC CHIP	0.1uF	10%	25V

Ref. No.	Part No.	Description		Remark
C999	1-164-346-11	CERAMIC CHIP	1uF	16V
< CONNECTOR >				
CNP300	1-764-617-12	PIN, CONNECTOR (PC BOARD)	30P	
CNP501	1-774-701-11	PIN, CONNECTOR	16P	
< DIODE >				
D400	8-719-109-71	DIODE	RD3.9ES-B1	
D401	8-719-991-33	DIODE	1SS133T-77	
D501	8-719-923-91	DIODE	MTZJ-T-77-16A	
D502	8-719-109-97	DIODE	RD6.8ES-B2	
D503	8-719-109-93	DIODE	RD6.2ESB2	
D505	8-719-923-93	DIODE	MTZJ-T-77-16C	
D508	8-719-991-33	DIODE	1SS133T-77	
D509	8-719-110-13	DIODE	RD9.1ESB2	
D511	8-719-109-89	DIODE	RD5.6ESB2	
D512	8-719-200-82	DIODE	11ES2	
D513	8-719-049-38	DIODE	1N5404TU	
D516	8-719-991-33	DIODE	1SS133T-77	
D518	8-719-110-13	DIODE	RD9.1ESB2	
D700	8-719-991-33	DIODE	1SS133T-77 (CDX-2160:E)	
D701	8-719-991-33	DIODE	1SS133T-77 (CDX-2160:E)	
D703	8-719-991-33	DIODE	1SS133T-77	
D704	8-719-991-33	DIODE	1SS133T-77	
D705	8-719-991-33	DIODE	1SS133T-77	
D706	8-719-991-33	DIODE	1SS133T-77	
D710	8-719-991-33	DIODE	1SS133T-77	
< FUSE >				
F501	1-532-877-11	FUSE (BLADE TYPE) (AUTO FUSE)	10A	
< IC >				
IC200	8-759-369-41	IC	HA13155	
IC300	8-759-364-34	IC	SM5877AM	
IC400	8-752-075-48	IC	CXA1946AQ-T6	
IC500	8-759-095-60	IC	S-81250PG	
IC700	8-759-438-45	IC	uPD17017GF-B23-3B9	
< JUMPER RESISTOR >				
JR1	1-216-296-00	CONDUCTOR, CHIP	(3216)	
JR2	1-216-295-00	CONDUCTOR, CHIP	(2012)	
JR3	1-216-296-00	CONDUCTOR, CHIP	(3216)	
JR4	1-216-295-00	CONDUCTOR, CHIP	(2012)	
JR5	1-216-295-00	CONDUCTOR, CHIP	(2012)	
JR6	1-216-295-00	CONDUCTOR, CHIP	(2012)	
JR7	1-216-295-00	CONDUCTOR, CHIP	(2012)	
JR8	1-216-295-00	CONDUCTOR, CHIP	(2012)	

MAIN

Ref. No.	Part No.	Description	Remark
< COIL >			
L300	1-410-521-11	INDUCTOR 100uH	
L501	1-411-823-21	COIL, CHOKE (TROIDAL)	
L700	1-410-513-11	INDUCTOR 22uH	
L701	1-410-513-11	INDUCTOR 22uH	
L702	1-410-513-11	INDUCTOR 22uH	
< LIQUID CRYSTAL DISPLAY >			
LCD800	1-801-183-31	DISPLAY PANEL, LIQUID CRYSTAL	
< THERMISTOR >			
PH501	1-809-148-11	THERMISTOR PTH8L07AR2R0M1B510	
< JACK >			
PJ400	1-764-424-11	JACK, PIN 2P (LINE OUT REAR)	
< TRANSISTOR >			
Q101	8-729-920-21	TRANSISTOR DTC314TKH04	
Q102	8-729-920-21	TRANSISTOR DTC314TKH04	
Q201	8-729-920-21	TRANSISTOR DTC314TKH04	
Q202	8-729-920-21	TRANSISTOR DTC314TKH04	
Q404	8-729-901-05	TRANSISTOR DTA124EK	
Q405	8-729-901-00	TRANSISTOR DTC124EK	
Q501	8-729-822-84	TRANSISTOR 2SB1202FAST	
Q502	8-729-422-29	TRANSISTOR 2SD601A-S	
Q503	8-729-900-53	TRANSISTOR DTC114EK	
Q504	8-729-920-74	TRANSISTOR 2SC2412K-QR	
Q505	8-729-920-74	TRANSISTOR 2SC2412K-QR	
Q507	8-729-901-05	TRANSISTOR DTA124EK	
Q515	8-729-015-11	TRANSISTOR 2SD1802FAST-TL	
Q520	8-729-019-00	TRANSISTOR 2SD2394-G	
Q522	8-729-901-00	TRANSISTOR DTC124EK	
Q528	8-729-900-53	TRANSISTOR DTC114EK	
Q529	8-729-015-11	TRANSISTOR 2SD1802FAST-TL	
Q530	8-729-101-07	TRANSISTOR 2SB798-DL	
Q531	8-729-900-53	TRANSISTOR DTC114EK	
Q532	8-729-900-53	TRANSISTOR DTC114EK	
Q533	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q600	8-729-920-74	TRANSISTOR 2SC2412K-QR	
Q601	8-729-920-74	TRANSISTOR 2SC2412K-QR	
Q700	8-729-920-74	TRANSISTOR 2SC2412K-QR	
Q704	8-729-901-05	TRANSISTOR DTA124EK	
< RESISTOR >			
R101	1-216-049-11	METAL GLAZE 1K 5% 1/10W	
R102	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R103	1-216-065-00	METAL CHIP 4.7K 5% 1/10W	
R104	1-216-089-00	METAL GLAZE 47K 5% 1/10W	

Ref. No.	Part No.	Description	Remark
R105	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R106	1-216-027-00	METAL CHIP 120 5% 1/10W	
R107	1-216-027-00	METAL CHIP 120 5% 1/10W	
R108	1-216-075-00	METAL CHIP 12K 5% 1/10W	
R109	1-216-075-00	METAL CHIP 12K 5% 1/10W	
R110	1-216-129-00	METAL CHIP 2.2M 5% 1/10W	
R111	1-216-129-00	METAL CHIP 2.2M 5% 1/10W	
R112	1-216-082-00	METAL GLAZE 24K 5% 1/10W	
R113	1-216-231-00	METAL GLAZE 24K 5% 1/8W	
R114	1-249-385-11	CARBON 2.2 5% 1/6W	
R115	1-216-134-00	METAL CHIP 2.2 5% 1/8W	
R116	1-216-134-00	METAL CHIP 2.2 5% 1/8W	
R117	1-216-134-00	METAL CHIP 2.2 5% 1/8W	
R121	1-216-053-00	METAL CHIP 1.5K 5% 1/10W	(CDX-2160:E)
R121	1-216-057-00	METAL CHIP 2.2K 5% 1/10W	(CDX-2160:CND,EXCD-206)
R122	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R123	1-216-079-00	METAL CHIP 18K 5% 1/10W	
R124	1-216-085-00	METAL CHIP 33K 5% 1/10W	
R129	1-216-063-00	METAL CHIP 3.9K 5% 1/10W	(CDX-2160:E)
R129	1-216-067-00	METAL CHIP 5.6K 5% 1/10W	(CDX-2160:CND,EXCD-206)
R130	1-216-097-00	METAL GLAZE 100K 5% 1/10W	
R133	1-216-069-00	METAL CHIP 6.8K 5% 1/10W	
R134	1-216-077-00	METAL CHIP 15K 5% 1/10W	
R201	1-216-049-11	METAL GLAZE 1K 5% 1/10W	
R202	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R203	1-216-065-00	METAL CHIP 4.7K 5% 1/10W	
R204	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R205	1-249-437-11	CARBON 47K 5% 1/4W	
R206	1-249-406-11	CARBON 120 5% 1/4W	
R207	1-216-027-00	METAL CHIP 120 5% 1/10W	
R208	1-216-075-00	METAL CHIP 12K 5% 1/10W	
R209	1-216-075-00	METAL CHIP 12K 5% 1/10W	
R210	1-216-129-00	METAL CHIP 2.2M 5% 1/10W	
R211	1-216-129-00	METAL CHIP 2.2M 5% 1/10W	
R212	1-216-082-00	METAL GLAZE 24K 5% 1/10W	
R213	1-216-082-00	METAL GLAZE 24K 5% 1/10W	
R214	1-216-134-00	METAL CHIP 2.2 5% 1/8W	
R215	1-216-134-00	METAL CHIP 2.2 5% 1/8W	
R216	1-216-134-00	METAL CHIP 2.2 5% 1/8W	
R217	1-216-134-00	METAL CHIP 2.2 5% 1/8W	
R221	1-216-053-00	METAL CHIP 1.5K 5% 1/10W	(CDX-2160:E)
R221	1-216-057-00	METAL CHIP 2.2K 5% 1/10W	(CDX-2160:CND,EXCD-206)
R222	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R223	1-216-079-00	METAL CHIP 18K 5% 1/10W	

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
R224	1-216-085-00	METAL CHIP	33K	5%	1/10W	R701	1-249-421-11	CARBON	2.2K	5%	1/4W
R229	1-216-063-00	METAL CHIP	3.9K	5%	1/10W	R702	1-216-049-11	METAL GLAZE	1K	5%	1/10W
			(CDX-2160:E)			R703	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R229	1-216-067-00	METAL CHIP	5.6K	5%	1/10W				(CDX-2160:E)		
			(CDX-2160:CND,EXCD-206)			R705	1-249-421-11	CARBON	2.2K	5%	1/4W
R230	1-216-097-00	METAL GLAZE	100K	5%	1/10W	R706	1-249-421-11	CARBON	2.2K	5%	1/4W
R233	1-216-069-00	METAL CHIP	6.8K	5%	1/10W						
R234	1-216-077-00	METAL CHIP	15K	5%	1/10W	R707	1-249-421-11	CARBON	2.2K	5%	1/4W
R300	1-216-150-00	METAL GLAZE	10	5%	1/8W	R708	1-216-073-00	METAL CHIP	10K	5%	1/10W
R302	1-247-807-31	CARBON	100	5%	1/4W	R709	1-216-073-00	METAL CHIP	10K	5%	1/10W
R303	1-247-807-31	CARBON	100	5%	1/4W	R710	1-216-051-00	METAL CHIP	1.2K	5%	1/10W
R304	1-247-807-31	CARBON	100	5%	1/4W	R711	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
									(CDX-2160:E)		
R305	1-216-017-00	METAL GLAZE	47	5%	1/10W	R712	1-249-429-11	CARBON	10K	5%	1/4W
R306	1-249-411-11	CARBON	330	5%	1/4W	R713	1-249-429-11	CARBON	10K	5%	1/4W
R308	1-216-027-00	METAL CHIP	120	5%	1/10W	R714	1-249-429-11	CARBON	10K	5%	1/4W
R313	1-216-033-00	METAL CHIP	220	5%	1/10W	R715	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R401	1-216-113-00	METAL CHIP	470K	5%	1/10W	R716	1-216-069-00	METAL CHIP	6.8K	5%	1/10W
R411	1-249-417-11	CARBON	1K	5%	1/4W	R717	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R416	1-216-089-00	METAL GLAZE	47K	5%	1/10W	R719	1-216-051-00	METAL CHIP	1.2K	5%	1/10W
R500	1-216-073-00	METAL CHIP	10K	5%	1/10W	R720	1-249-437-11	CARBON	47K	5%	1/4W
R502	1-216-049-11	METAL GLAZE	1K	5%	1/10W	R721	1-249-419-11	CARBON	1.5K	5%	1/4W
R503	1-216-057-00	METAL CHIP	2.2K	5%	1/10W	R722	1-216-053-00	METAL CHIP	1.5K	5%	1/10W
R504	1-216-105-00	METAL GLAZE	220K	5%	1/10W	R723	1-249-419-11	CARBON	1.5K	5%	1/4W
R505	1-216-073-00	METAL CHIP	10K	5%	1/10W	R728	1-249-429-11	CARBON	10K	5%	1/4W
R507	1-249-435-11	CARBON	33K	5%	1/4W	R730	1-216-089-00	METAL GLAZE	47K	5%	1/10W
R508	1-216-080-00	METAL CHIP	20K	5%	1/10W	R798	1-216-081-00	METAL CHIP	22K	5%	1/10W
R509	1-216-079-00	METAL CHIP	18K	5%	1/10W	R799	1-216-089-00	METAL GLAZE	47K	5%	1/10W
R510	1-216-067-00	METAL CHIP	5.6K	5%	1/10W	R890	1-249-393-11	CARBON	10	5%	1/4W
R511	1-216-105-00	METAL GLAZE	220K	5%	1/10W	R891	1-249-393-11	CARBON	10	5%	1/4W
R512	1-216-089-00	METAL GLAZE	47K	5%	1/10W	R892	1-249-393-11	CARBON	10	5%	1/4W
R525	1-216-041-00	METAL CHIP	470	5%	1/10W	R900	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R527	1-249-417-11	CARBON	1K	5%	1/4W	R901	1-216-089-00	METAL GLAZE	47K	5%	1/10W
R529	1-216-033-00	METAL CHIP	220	5%	1/10W			< SWITCH >			
R530	1-216-049-11	METAL GLAZE	1K	5%	1/10W	SW700	1-571-478-11	SWITCH, SLIDE (FREQUENCY SELECT)			
R531	1-249-421-11	CARBON	2.2K	5%	1/4W				(CDX-2160:E)		
R532	1-216-057-00	METAL CHIP	2.2K	5%	1/10W			< TUNER >			
R533	1-216-049-11	METAL GLAZE	1K	5%	1/10W	TU1	A-3309-704-A	TUNER UNIT (CDX-2160:CND,EXCD-206)			
R538	1-216-077-00	METAL CHIP	15K	5%	1/10W	TU1	A-3309-993-A	TUNER UNIT (CDX-2160:E)			
R550	1-247-820-11	CARBON	360	5%	1/4W			< VIBRATOR >			
R551	1-247-820-11	CARBON	360	5%	1/4W	X300	1-767-453-11	VIBRATOR, CRYSTAL (16.9344MHz)			
R552	1-247-790-11	CARBON	20	5%	1/4W	X700	1-760-223-11	VIBRATOR, CRYSTAL (4.5MHz)			
R554	1-216-017-00	METAL GLAZE	47	5%	1/10W			*****			
R614	1-216-065-00	METAL CHIP	4.7K	5%	1/10W						
R615	1-216-053-00	METAL CHIP	1.5K	5%	1/10W						
R616	1-216-061-00	METAL CHIP	3.3K	5%	1/10W						
R617	1-216-049-11	METAL GLAZE	1K	5%	1/10W						
R618	1-216-061-00	METAL CHIP	3.3K	5%	1/10W						
R619	1-216-121-00	METAL GLAZE	1M	5%	1/10W						
R620	1-249-421-11	CARBON	2.2K	5%	1/4W						

SERVO

Ref. No.	Part No.	Description	Remark
*	A-3309-227-A	SERVO BOARD, COMPLETE *****	
< CAPACITOR >			
C1	1-107-823-11	CERAMIC CHIP 0.47uF 10% 16V	
C2	1-164-232-11	CERAMIC CHIP 0.01uF 50V	
C3	1-135-145-11	TANTALUM CHIP 0.47uF 10% 35V	
C4	1-163-251-11	CERAMIC CHIP 100PF 5% 50V	
C5	1-164-182-11	CERAMIC CHIP 0.0033uF 10% 50V	
C6	1-163-011-11	CERAMIC CHIP 0.0015uF 10% 50V	
C7	1-163-809-11	CERAMIC CHIP 0.047uF 10% 25V	
C9	1-164-004-11	CERAMIC CHIP 0.1uF 10% 25V	
C10	1-126-206-11	ELECT CHIP 100uF 20% 6.3V	
C11	1-135-259-11	TANTAL. CHIP 10uF 20% 6.3V	
C12	1-163-227-11	CERAMIC CHIP 10PF 0.5PF 50V	
C13	1-164-232-11	CERAMIC CHIP 0.01uF 50V	
C14	1-163-989-11	CERAMIC CHIP 0.033uF 10% 25V	
C15	1-164-232-11	CERAMIC CHIP 0.01uF 50V	
C16	1-163-989-11	CERAMIC CHIP 0.033uF 10% 25V	
C17	1-164-004-11	CERAMIC CHIP 0.1uF 10% 25V	
C18	1-164-004-11	CERAMIC CHIP 0.1uF 10% 25V	
C19	1-163-037-11	CERAMIC CHIP 0.022uF 10% 25V	
C20	1-107-823-11	CERAMIC CHIP 0.47uF 10% 16V	
C21	1-163-809-11	CERAMIC CHIP 0.047uF 10% 25V	
C22	1-163-251-11	CERAMIC CHIP 100PF 5% 50V	
C23	1-135-259-11	TANTAL. CHIP 10uF 20% 6.3V	
C24	1-163-125-00	CERAMIC CHIP 220PF 5% 50V	
C25	1-107-823-11	CERAMIC CHIP 0.47uF 10% 16V	
C26	1-164-004-11	CERAMIC CHIP 0.1uF 10% 25V	
C27	1-164-004-11	CERAMIC CHIP 0.1uF 10% 25V	
C28	1-163-023-00	CERAMIC CHIP 0.015uF 5% 50V	
C29	1-164-004-11	CERAMIC CHIP 0.1uF 10% 25V	
C30	1-126-603-11	ELECT CHIP 4.7uF 20% 35V	
C31	1-164-232-11	CERAMIC CHIP 0.01uF 50V	
C32	1-163-023-00	CERAMIC CHIP 0.015uF 5% 50V	
C33	1-124-779-00	ELECT CHIP 10uF 20% 16V	
C34	1-109-982-11	CERAMIC CHIP 1uF 10% 10V	
C35	1-164-232-11	CERAMIC CHIP 0.01uF 50V	
C36	1-164-004-11	CERAMIC CHIP 0.1uF 10% 25V	
C37	1-164-004-11	CERAMIC CHIP 0.1uF 10% 25V	
C38	1-164-004-11	CERAMIC CHIP 0.1uF 10% 25V	
C39	1-126-204-11	ELECT CHIP 47uF 20% 16V	
C40	1-164-004-11	CERAMIC CHIP 0.1uF 10% 25V	
< CONNECTOR >			
CN1	1-764-616-12	HOUSING, CONNECTOR(PC BOARD) 30P	
CN2	1-565-728-11	CONNECTOR, FPC 17P	
CN3	1-770-347-21	CONNECTOR, FPC 6P	

Ref. No.	Part No.	Description	Remark
< IC >			
IC1	8-752-372-94	IC CXD2507AQ	
IC2	8-752-069-56	IC CXA1782BQ	
IC3	8-759-354-16	IC BA6796FP-T1	
< JUMPER RESISTOR >			
JR1	1-216-296-00	CONDUCTOR, CHIP (3216)	
JR2	1-216-296-00	CONDUCTOR, CHIP (3216)	
JR3	1-216-296-00	CONDUCTOR, CHIP (3216)	
JR4	1-216-296-00	CONDUCTOR, CHIP (3216)	
JR5	1-216-296-00	CONDUCTOR, CHIP (3216)	
JR6	1-216-296-00	CONDUCTOR, CHIP (3216)	
JR7	1-216-296-00	CONDUCTOR, CHIP (3216)	
JR8	1-216-296-00	CONDUCTOR, CHIP (3216)	
JR9	1-216-296-00	CONDUCTOR, CHIP (3216)	
JR10	1-216-296-00	CONDUCTOR, CHIP (3216)	
JR11	1-216-296-00	CONDUCTOR, CHIP (3216)	
JR12	1-216-296-00	CONDUCTOR, CHIP (3216)	
JR13	1-216-296-00	CONDUCTOR, CHIP (3216)	
JR14	1-216-296-00	CONDUCTOR, CHIP (3216)	
JR15	1-216-296-00	CONDUCTOR, CHIP (3216)	
JR16	1-216-296-00	CONDUCTOR, CHIP (3216)	
JR17	1-216-296-00	CONDUCTOR, CHIP (3216)	
JR18	1-216-296-00	CONDUCTOR, CHIP (3216)	
JR19	1-216-296-00	CONDUCTOR, CHIP (3216)	
JR20	1-216-296-00	CONDUCTOR, CHIP (3216)	
JR21	1-216-296-00	CONDUCTOR, CHIP (3216)	
JR22	1-216-296-00	CONDUCTOR, CHIP (3216)	
JR23	1-216-296-00	CONDUCTOR, CHIP (3216)	
JR24	1-216-296-00	CONDUCTOR, CHIP (3216)	
JR25	1-216-296-00	CONDUCTOR, CHIP (3216)	
JR26	1-216-296-00	CONDUCTOR, CHIP (3216)	
JR27	1-216-296-00	CONDUCTOR, CHIP (3216)	
JR28	1-216-296-00	CONDUCTOR, CHIP (3216)	
JR29	1-216-296-00	CONDUCTOR, CHIP (3216)	
JR30	1-216-296-00	CONDUCTOR, CHIP (3216)	
JR31	1-216-296-00	CONDUCTOR, CHIP (3216)	
JR32	1-216-296-00	CONDUCTOR, CHIP (3216)	
JR33	1-216-296-00	CONDUCTOR, CHIP (3216)	
JR34	1-216-296-00	CONDUCTOR, CHIP (3216)	
JR35	1-216-296-00	CONDUCTOR, CHIP (3216)	
JR36	1-216-296-00	CONDUCTOR, CHIP (3216)	
JR37	1-216-296-00	CONDUCTOR, CHIP (3216)	
JR38	1-216-296-00	CONDUCTOR, CHIP (3216)	
JR39	1-216-296-00	CONDUCTOR, CHIP (3216)	
JR40	1-216-296-00	CONDUCTOR, CHIP (3216)	
JR41	1-216-296-00	CONDUCTOR, CHIP (3216)	
JR43	1-216-296-00	CONDUCTOR, CHIP (3216)	

SERVO**SUB**

Ref. No.	Part No.	Description	Remark
JR44	1-216-296-00	CONDUCTOR, CHIP (3216)	
JR45	1-216-296-00	CONDUCTOR, CHIP (3216)	
JR46	1-216-296-00	CONDUCTOR, CHIP (3216)	
< COIL >			
L1	1-412-058-11	INDUCTOR CHIP 10uH	
L2	1-412-058-11	INDUCTOR CHIP 10uH	
L3	1-412-058-11	INDUCTOR CHIP 10uH	
< TRANSISTOR >			
Q1	8-729-904-60	TRANSISTOR DTB113ZK	
Q2	8-729-904-86	TRANSISTOR 2SB1197K-Q	
< RESISTOR >			
R1	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R2	1-216-097-00	METAL GLAZE 100K 5% 1/10W	
R3	1-216-121-00	METAL GLAZE 1M 5% 1/10W	
R4	1-216-061-00	METAL CHIP 3.3K 5% 1/10W	
R5	1-216-061-00	METAL CHIP 3.3K 5% 1/10W	
R6	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R7	1-216-009-00	METAL CHIP 22 5% 1/10W	
R8	1-216-119-00	METAL CHIP 820K 5% 1/10W	
R9	1-216-119-00	METAL CHIP 820K 5% 1/10W	
R10	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R11	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R14	1-216-085-00	METAL CHIP 33K 5% 1/10W	
R15	1-216-085-00	METAL CHIP 33K 5% 1/10W	
R16	1-216-077-00	METAL CHIP 15K 5% 1/10W	
R17	1-216-081-00	METAL CHIP 22K 5% 1/10W	
R19	1-216-079-00	METAL CHIP 18K 5% 1/10W	
R20	1-216-105-00	METAL GLAZE 220K 5% 1/10W	
R21	1-216-105-00	METAL GLAZE 220K 5% 1/10W	
R22	1-216-085-00	METAL CHIP 33K 5% 1/10W	
R23	1-216-121-00	METAL GLAZE 1M 5% 1/10W	
R24	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R27	1-216-295-00	CONDUCTOR, CHIP (2012)	
R28	1-216-101-00	METAL CHIP 150K 5% 1/10W	
R29	1-216-097-00	METAL GLAZE 100K 5% 1/10W	
R30	1-216-097-00	METAL GLAZE 100K 5% 1/10W	
R31	1-216-081-00	METAL CHIP 22K 5% 1/10W	
R32	1-216-109-00	METAL CHIP 330K 5% 1/10W	
R33	1-216-105-00	METAL GLAZE 220K 5% 1/10W	
R34	1-216-009-00	METAL CHIP 22 5% 1/10W	
R35	1-216-065-00	METAL CHIP 4.7K 5% 1/10W	
R36	1-216-097-00	METAL GLAZE 100K 5% 1/10W	
R37	1-216-117-00	METAL CHIP 680K 5% 1/10W	
R38	1-216-109-00	METAL CHIP 330K 5% 1/10W	
R39	1-216-101-00	METAL CHIP 150K 5% 1/10W	
R40	1-216-114-00	METAL GLAZE 510K 5% 1/10W	

Ref. No.	Part No.	Description	Remark
R41	1-216-093-00	METAL CHIP	68K 5% 1/10W
R42	1-216-107-00	METAL CHIP	270K 5% 1/10W
R43	1-216-097-00	METAL GLAZE	100K 5% 1/10W
R44	1-216-085-00	METAL CHIP	33K 5% 1/10W
R45	1-216-081-00	METAL CHIP	22K 5% 1/10W
R46	1-216-097-00	METAL GLAZE	100K 5% 1/10W
R47	1-216-105-00	METAL GLAZE	220K 5% 1/10W
R48	1-216-073-00	METAL CHIP	10K 5% 1/10W
R49	1-216-065-00	METAL CHIP	4.7K 5% 1/10W
R50	1-216-065-00	METAL CHIP	4.7K 5% 1/10W
R51	1-216-295-00	CONDUCTOR, CHIP	(2012)
< VARIABLE RESISTOR >			
RV1	1-238-091-11	RES, ADJ, CERMET 22K	
RV4	1-238-091-11	RES, ADJ, CERMET 22K	

*	1-659-834-11	SUB BOARD	*****
< CONNECTOR >			
CN1	1-770-347-21	CONNECTOR, FPC 6P	

MISCELLANEOUS			

6	1-769-786-71	CORD (WITH CONNECTOR) (POWER)	
△ 210	8-848-402-02	PICK-UP, OPTICAL KSS-520A/J2NP	
F501	1-532-877-11	FUSE (BLADE TYPE) (AUTO FUSE) 10A	
M901	X-3371-664-1	MOTOR ASSY (SPINDLE)	
M902	A-3291-674-A	MOTOR ASSY, SLED	
M903	A-3291-676-A	MOTOR SUB ASSY, LOADING	

ACCESSORIES & PACKING MATERIALS			

3-858-705-11	MANUAL, INSTRUCTION, INSTALL (ENGLISH)		(EXCD-206)
3-858-706-11	MANUAL, INSTRUCTION (ENGLISH) (EXCD-206)		
3-858-946-11	MANUAL, INSTRUCTION (ENGLISH,FRENCH)		(CDX-2160:CND)
3-858-946-31	MANUAL, INSTRUCTION (ENGLISH,SPANISH, CHINESE,ARABIC) (CDX-2160:E)		
3-858-947-11	MANUAL, INSTRUCTION, INSTALL (ENGLISH,FRENCH) (CDX-2160:CND)		
3-858-947-31	MANUAL, INSTRUCTION, INSTALL (ENGLISH, SPANISH,CHINESE,ARABIC) (CDX-2160:E)		

The components identified by mark
△ or dotted line with mark. △ are
critical for safety.
Replace only with part number
specified.

Les composants identifiés par une
marque △ sont critiques pour
la sécurité.
Ne les remplacer que par une pièce
portant le numéro spécifié.

Ref. No.	Part No.	Description	Remark
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HARDWARE LIST

#1	7-621-770-67	SCREW +PTT 2.6X6 (S)	
#2	7-621-770-XX	SCREW +PTT 2.6X8 (S)	
#3	7-627-553-17	PRECISION SCREW +P 2X2 TYPE 3	
#4	7-627-553-37	PRECISION SCREW +P 2X3 TYPE 3	
#5	7-627-000-00	SCREW,PRECISION +P 1.7X2.2 TYPE 3	
#6	7-627-850-28	SCREW,PRECISION +P 1.4X3	
#7	7-628-253-00	SCREW +PS 2X4	

PARTS FOR INSTALLATION AND CONNECTIONS

251	3-931-986-41	FRAME, FITTING	
252	3-916-012-01	BRACKET (ND), FITTING ASSIST	
		(CDX-2160:CND,EXCD-206)	
253	7-682-560-04	SCREW +P 4X6 (CDX-2160:CND,EXCD-206)	
254	X-3368-725-1	SCREW ASSY, FITTING	
		(CDX-2160:CND,EXCD-206)	
255	3-931-976-01	COLLAR	
256	3-931-977-01	BRACKET	
257	3-932-020-01	SCREW (+K 5X8 TP)	
258	1-769-786-71	CORD (WITH CONNECTOR) (POWER)	
259	X-3366-405-1	SCREW ASSY (EXP), FITTING (CDX-2160:E)	

