

CDP-R1a

SERVICE MANUAL

West Germany Model



Model Name Using Similar Mechanism	New
CD Mechanism Name	CDM11G-6D
Base Unit Name	BU-6D

SPECIFICATIONS

CDP-R1a Compact Disc Player Unit

System	Compact disc digital audio system
Disc	Compact Disc
Data read system	Non-contact optical reading (using a semiconductor laser)
Laser	GaAlAs dual hetero-diode (λ (wavelength) = 780 nm)
Spindle speed	Approx. 200 rpm – 500 rpm (CLV)
Error correction	Sony Super Strategy, Cross Interleave Reed Solomon code

Interface

	Type of jack
TWIN LINK	TWIN LINK jack
COAXIAL (EIAJ format)	Phono jack (75 ohms, 0.5 Vp-p)
OPTICAL	Optical output connector

* EIAJ: Electronic Industry Association of Japan

General

Power requirements	AC 220-240 V, 50/60 Hz
RAM memory storage	Held for more than a month (after turning the power OFF).
Power consumption	14W
Dimensions (w/h/d)	470 × 125 × 410 mm (18 ⁵ / ₈ × 5 × 16 ¹ / ₄ inches) (Including projecting parts and controls)
Weight	Approx. 18 kg (40 lb)

RM-A1a Remote Commander (supplied)

Remote control system	Infrared control
Power requirements	3 V DC (with two R6 (size AA) batteries)
Dimensions	67 × 20 × 175 mm (w/h/d) (2 ³ / ₄ × 1 ³ / ₁₆ × 7 inches)
Weight	110 g (4 oz) (including batteries)

Supplied accessories

Twin Link optical cable (SOC-10) × 1
Remote control unit (RM-A1a) × 1
Sony SUM-3 (NS) battery × 2

Design and specifications subject to change without notice.

NOTE

This appliance conforms with EEC Directives 76/889 and 82/449 regarding interference suppression.

Optional Components:

DAS-R1a D/A Converter Unit

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK \triangle OR DOTTED LINE WITH MARK \triangle 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.

COMPACT DISC PLAYER
SONY®

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**SECTION 1
SERVICING NOTES**

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 more than 25 cm away from the objective lens.

LASER DIODE AND FOCUS SEARCH OPERATION CHECK

Confirm that the movement of figure B has been activated by observing the objective lens when removing the bracket (P) when not loading a disc and the disc table is closed (Figure A) then turn on the power switch.

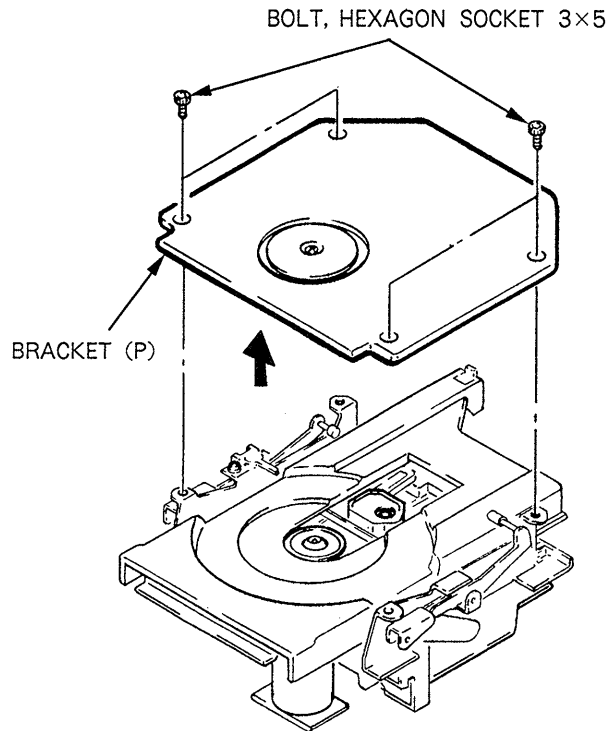
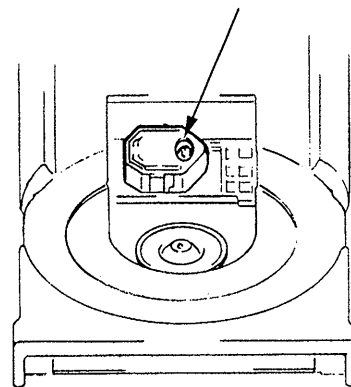


Fig. A

Optical pick-up block



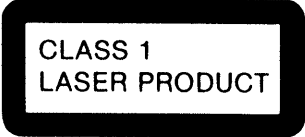
- ① Confirm that laser beam is spread.
- ② Up and down motion of the objective lens (3 times).

Fig. B

Warning

To prevent fire or shock hazard, do not expose the unit to rain or moisture.

To avoid electrical shock, do not open the cabinet. Refer servicing to qualified personnel only.



**CLASS 1
LASER PRODUCT**

This Compact Disc player is classified as a CLASS 1 LASER product. The CLASS 1 LASER PRODUCT label is located on the rear exterior.

Laser component in this product is capable of emitting radiation exceeding the limit for Class 1.

Overview

The CDP-R1a Compact Disc Player is exclusively designed for use in a separate-type CD player system. It allows you to extract the maximum possible performance from Compact Disc digital audio sources, since any noise or vibration generated by the servo or digital circuits is completely separated from the analog circuits processing the audio signal.

Twin Link-S system for improved D/A converter time axis accuracy

The Twin Link-S system, adopted in the CDP-R1a and the DAS-R1a improves the time-axis precision, giving completely jitter-free sound reproduction.

The previous Sony separate-type CD player and D/A converter, the CDP-R1 and DAS-R1, set new standards for optical interface with the introduction of the "Twin Link System". In this system, since the crystal oscillator can be located near the D/A converter section in the D/A converter unit, the fluctuation of the phase components output from the D/A converter unit is eliminated from the audio signal. In addition, bidirectional interface lines are provided; one is used to send clock timing information from the converter to the player, and the second is used to send digital data from the player to the converter.

With the development of the logical synchronization circuit and optical devices, the Twin Link-S System provides jitter-free D/A conversion that ensures crystal clear and smooth sound reproduction. The Twin Link-S system and the conventional Twin Link system are interchangeable.

GTS Servo with separate ground

The GTS Servo in the CDP-R1a incorporate the basics of the preceding TS servo system of the CDP-R1; it can return very quickly to the normal pit row by observing the pit row drift on the disc and limiting the response to minute scratches or minor imperfections on the disc surface.

In addition, the GTS servo circuit ground is completely separate from both the digital and analog signal processing circuitry. This separation reduces the effects of the ground noise on the servo circuit, improving the overall sound quality of the unit.

To derive an effective performance from the unit

We recommend that you use the power source directly from the AC wall outlet. If you are obliged to use an extension cord, select the one which has enough current rate and selected conductives.

Although the unit is designed against undesirable vibrations, it should be placed on a stout rack in order to avoid the vibration caused by acoustic pressure from speakers. Place the unit in a location far from a TV, VCR or tuner which may cause noise in the sound or a distortion in the picture. We recommend that you use an outdoor antenna because a room antenna tends to cause distortion.

Be sure to get the power source from an AC wall outlet which is separated from one connected to a personal computer, electric carpet or refrigerator. Otherwise, there could be a noise problem.

Highly rigid stable lock mechanical deck with center mounting construction

All the mechanical deck components of any CD player must be free of resonance resulting from external vibrations. Should it occur, it impairs the tracing ability of the deck and causes modulation noise.

The CDP-R1a adopts a highly rigid stable lock mechanical deck which features mechanical components that are carefully configured and firmly interlocked. The drive mechanism is located at the center of the chassis where the influence of external vibration is minimal.

Also, the CDP-R1a features a "G" tray and "G" base unit, made of a glass-fiber reinforced resin that has the same composition as marble. When reproducing sound, the "G" tray is fixed to the base unit by a pair of lock arms.

Thus, the drive mechanism is largely unaffected by external vibrations, so that stable and pure sound can be obtained.

Multiple terminal configurations for greater versatility

The CDP-R1a has three outputs; a Twin-Link optical output used exclusively for connection to the DAS-R1a, a coaxial digital output, and an optical output. Each output can be controlled independently from the front panel.

High-versatility CD playing

Only the most necessary controls are provided on the front panel to allow a simple and sophisticated panel design.

The supplied remote control unit allows continuous play in usual order, shuffle play, single play, or programmed play.

Program memory bank

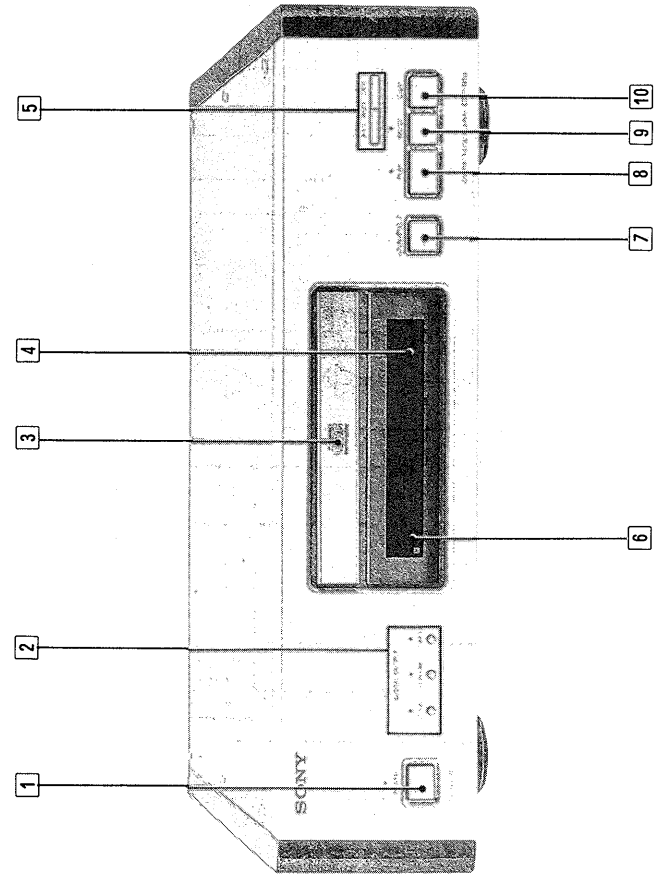
After programming the disc selections, the program order can be stored in memory specified for that disc. With this feature, you can play the programmed selections in the programmed order, whenever that disc is loaded.

Custom index memory

Index points can be marked at any position on a disc. These points allow you to easily access a certain point on the disc while it is playing.

Location of Controls

Front Panel



1 POWER switch and indicator
Press to turn the power on and off. The power indicator lights in green when the power is turned on. Play starts automatically when you turn on the power by pressing the POWER switch with the disc placed on the disc tray (Timer-Start system) so that you can set the unit to begin playing the disc at the desired time by connecting optional audio timers.

2 DIGITAL OUTPUT/COAXIAL button and indicator
DIGITAL OUTPUT/TWIN LINK button and indicator
Press these buttons to get the signal from the TWIN LINK, the DIGITAL OUTPUT/OPTICAL, or the COAXIAL output jacks on the rear panel. The indicator lights in orange. Press again to stop the signal and the indicator will go off. The signals from OPTICAL and COAXIAL can output simultaneously. These signals are cut off when you select the signal from TWIN LINK. The indicator of the button which you selected previously will light up if you turn on the power after turning it off because of the memory back-up system.

3 Disc tray
Press the OPEN/CLOSE button on the unit or the button on the remote commander so that the disc tray will move out, and place the disc with the label surface up. Press the buttons again to return the disc tray. You can also return it by pressing the PLAY button on the unit or the button on the remote commander.

4 Display window
The number of selections in a disc and the playing time of the entire program are displayed for several seconds when you close the disc tray with the OPEN/CLOSE button or the button on the remote commander after placing your disc on the tray. However, when you set the disc for which the Program Bank has been stored in memory, the Program Bank memory will be read out.

The remaining time of the program is displayed when you press the TIME button on the remote commander during play. When the TIME button is pressed once, the remaining time of the current selection is displayed. When it is pressed again, the remaining time of the entire program is displayed. When it is pressed again, you can return to the original display. (The indication during Program Play or Shuffle Play is different from the above.)
The indication of the play mode (Simple Play, Program Play, Shuffle Play or Repeat Play), which had been selected before you turned off the power, is displayed because of the memory back-up system.

Be sure to turn on the power of the unit at least once a month to activate this system because the memory period is approximately one month.
Press the DISPLAY ON/OFF button on the remote commander once to eliminate all indications on the window; however, you can listen to the disc play. Press again to return to the original display.

5 AMS* buttons
* AMS stands for Automatic Music Sensor.
You can play the desired selection by pressing the button after placing the disc and pressing this button.
During play, each time the button is pressed, the beginning of the current selection, then the beginning of the previous selection is located in sequence. (Each time the button is pressed, the beginning of the next selection is located in the same way.) When the button is kept pressed, the selections are skipped continuously.

You can operate in the same way with the remote commander. (See page 16.)
This AMS system is effective on the CONTINUE mode. If an indication other than CONTINUE is displayed, press the CONTINUE button on the remote commander to eliminate the indication.

6 Remote control sensor

7 OPEN/CLOSE (disc tray open/close) button
Press the button to move out the disc tray. Press again to return the tray into the unit (press the button on the remote commander).

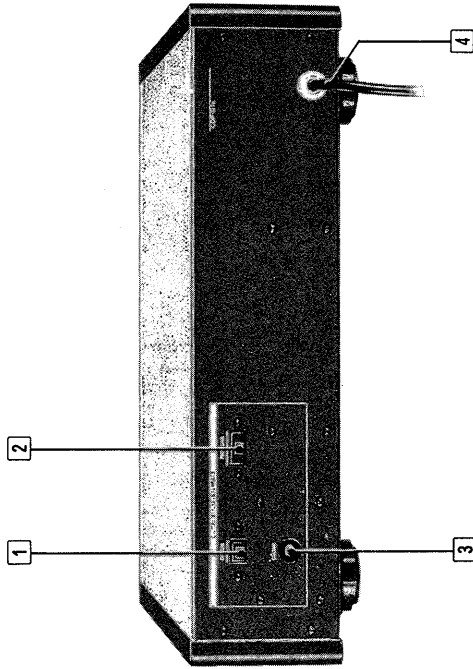
8 PLAY button and indicator
Press to play the disc (the button on the remote commander). The indicator lights in green during play. You can release the pause mode with this button. If you turn on the power by pressing POWER with the disc placed inside, the play will begin automatically without the PLAY button being pressed.

9 PAUSE button and indicator
Press to stop play temporarily (or the button on the remote commander). Press it again to release the pause mode (or the button on the remote commander). You can also release the pause mode by pressing the PLAY button (or the button on the remote commander). The indicator lights in orange together with the PLAY indicator.

10 STOP button
Press to stop play (or the button on the remote commander).

Location of Controls

Rear panel



1 OPTICAL digital output jack

Connect to the digital input jack of an amplifier having a built-in D/A converter, or an onboard D/A converter unit. Use the optical digital cable when connecting to other equipment.

2 TWIN LINK (exclusive optical cable) connector

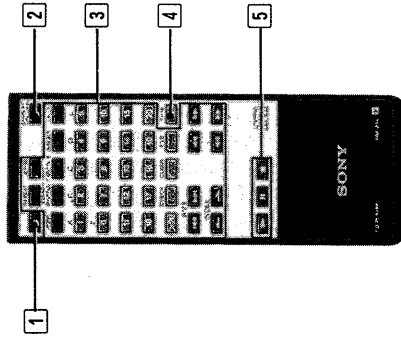
Using the exclusive Twin Link optical cable provided, connect the TWIN LINK connector of the DAS-R1a D/A Converter Unit to this connector.

3 COAXIAL digital output jack

Connect to the digital input jack of an amplifier having a built-in D/A converter, or an onboard D/A converter unit.

4 AC power cord

Remote Commander RM-A1a



1 \triangle (open/close) button

Press to eliminate all indications on the display window. The unit plays while the indications are eliminated. Press it again to resume the original display.

2 DISPLAY ON/OFF button

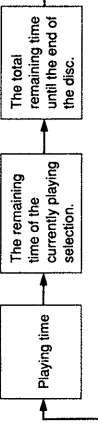
Press to eliminate all indications on the display window. The unit plays while the indications are eliminated. Press it again to resume the original display.

3 Buttons for additional functions

There are buttons for changing the play mode (PGM, SHUFFLE, SINGLE, REPEAT) and for other additional functions.

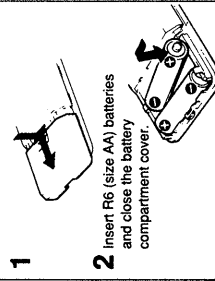
4 TIME button

The indication changes as follows each time you press the button.



5 Buttons for basic operation

Battery Installation



Note on remote control operation

Make sure that the remote control signal sensor (see page 8) is not subject to direct sunlight or to lighting of high intensity, as this may cause malfunctioning or make remote control operation impossible.

Battery replacement

The service life of the batteries is about six months in normal operation. When the distance from which remote control operation is possible becomes shorter, replace both batteries with new ones.

To avoid damage caused by battery leakage or corrosion

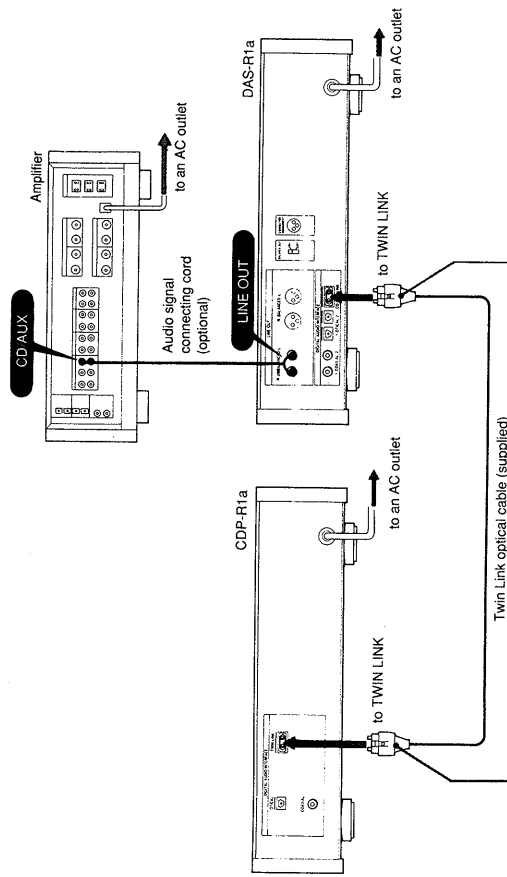
When the commander will not be used for a long time, remove the batteries.

Connections

Be sure to turn the power to all components OFF when connecting the unit to an amplifier.

Connection to the DAS-R1a D/A Converter Unit

Use the supplied Twin Link optical cable as follows:



Connecting procedure

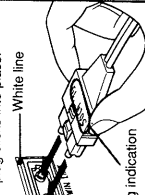
1 Remove the connector cover.

2 Remove the cap from the plug.

When disconnecting the cable

3 LINK connector of both optical cable to the TWIN LINK components.

Hold the plug indication-side up and align with the white line above the connector. Push in until the plug clicks into place.



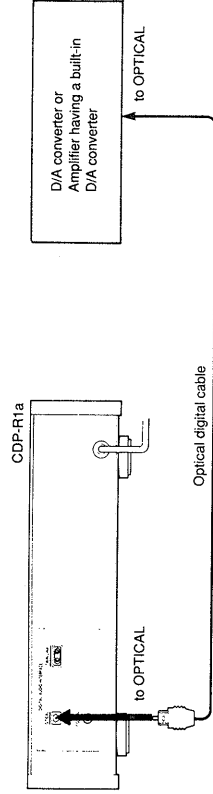
Insert the plug in the same way when connecting the cable to the DAS-R1a.

When you operate the unit after connection
Press the DIGITAL OUTPUT/TWIN LINK button on the front panel to light the indicator.

When Used with Another D/A converter unit

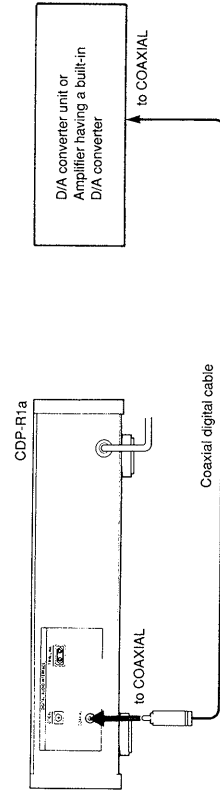
You can connect any other commercial D/A converter unit or an amplifier having a built-in D/A converter other than the DAS-R1a D/A Converter Unit.

With an optical digital cable



When you operate the unit after connection
Press the DIGITAL OUTPUT/OPTICAL button on the front panel to light the indicator.

With a coaxial digital cable

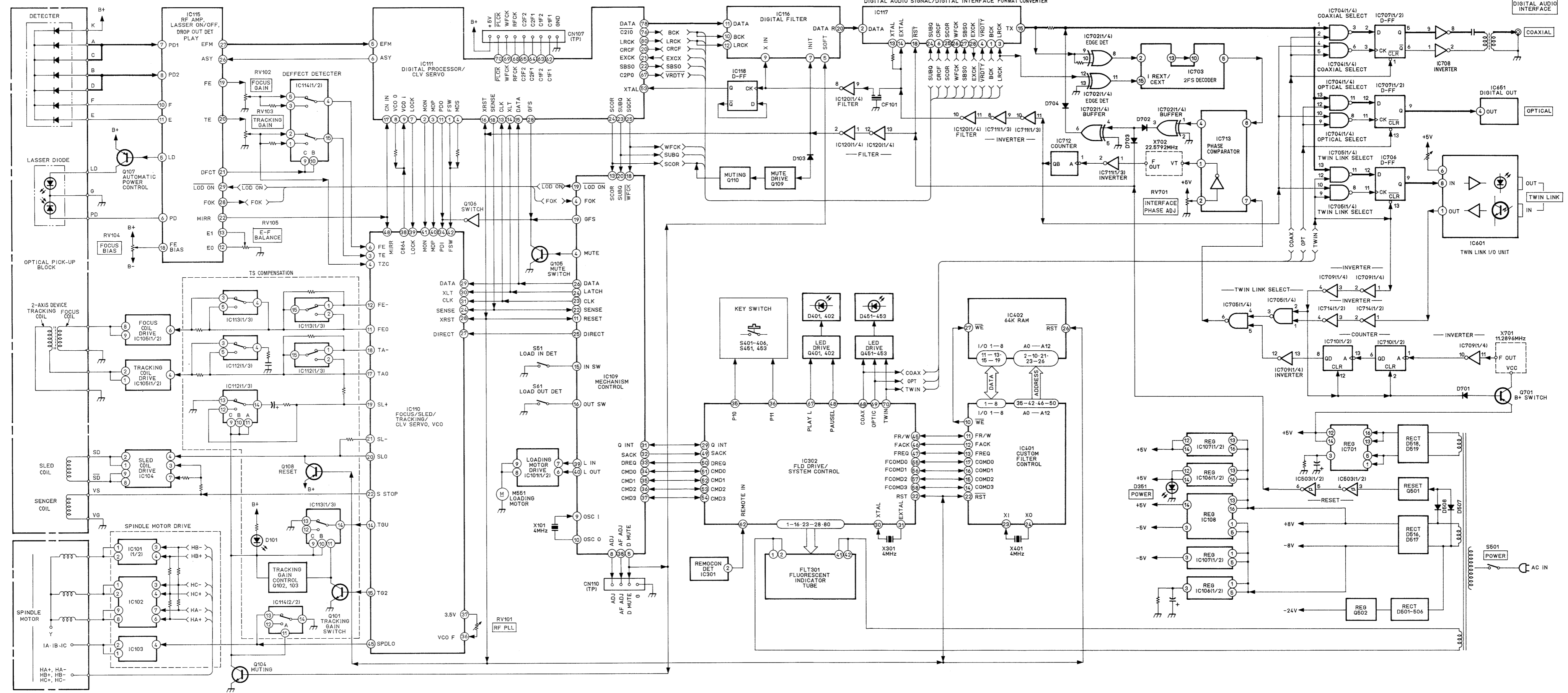


When you operate the unit after connection
Press the DIGITAL OUTPUT/COAXIAL button on the front panel to light the indicator.

Note
Be careful not to connect the COAXIAL jack to an analogue audio input jack of a CD or tuner.

SECTION 3 BLOCK DIAGRAMS

BLOCK DIAGRAMS

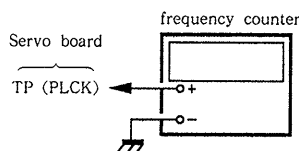


SECTION 4 ELECTRICAL ADJUSTMENTS

1. Perform adjustments in the order given.
2. Use YEDS-18 (Part No : 3-702-101-01) disc unless otherwise indicated.
3. Use the oscilloscope with more than 10 MΩ impedance.

RF PLL Frequency Adjustment

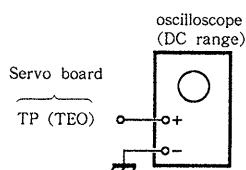
Procedure :



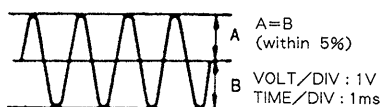
1. Connect test point TP (ASY) to ground with lead wire on Servo board.
2. Turn POWER switch on.
3. Connect the frequency counter to test point CN107 ⑧ (PLCK) and ① (GND) on Servo board.
4. Adjust RV101 so that the reading on frequency counter is 4,3218 MHz ± 20 KHz.
5. Remove lead wire connecting TP (ASY) to ground.
6. Set disc (YEDS-18) and press ▷ PLAY button.
7. Confirm that the reading on frequency counter is 4,3218 MHz.
8. Turn POWER switch off.

E-F Balance ADJUSTMENT

Procedure :

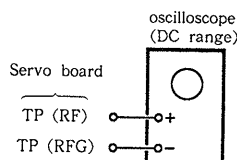


1. Connect test point CN110 ① (ADJ) and TP (TS) to ground with lead wire on Servo board.
2. Connect oscilloscope to test point TP (TEO).
3. Set disc (YEDS-18) and turn POWER switch on.
4. Adjust RV105 so that the traverse waveform is symmetrical above and below.
5. Turn POWER switch off.
6. After adjustment, remove the lead wire connected in step 1.

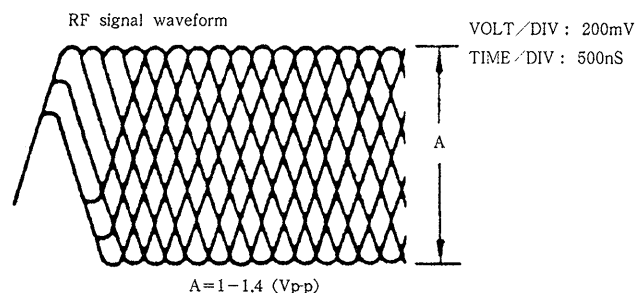


Focus Bias Adjustment

Procedure :



1. Connect oscilloscope to test point TP (RF) and test point TP (RFG) on Servo board.
2. Set disc (YEDS-18) and turn POWER switch on.
3. Adjust RV104 for an optimum waveform eye pattern or so that the peak is maximum. Optimum eye pattern means that shape "◇" can be clearly distinguished at the center of the waveform.
4. Turn POWER switch off.



REFERENCE

Focus/Tracking Gain Adjustment

A frequency response analyzer is necessary in order to perform this adjustment exactly.

However, this gain has a margin, so even if it is slightly off, there is no problem. Therefore, do not perform this adjustment.

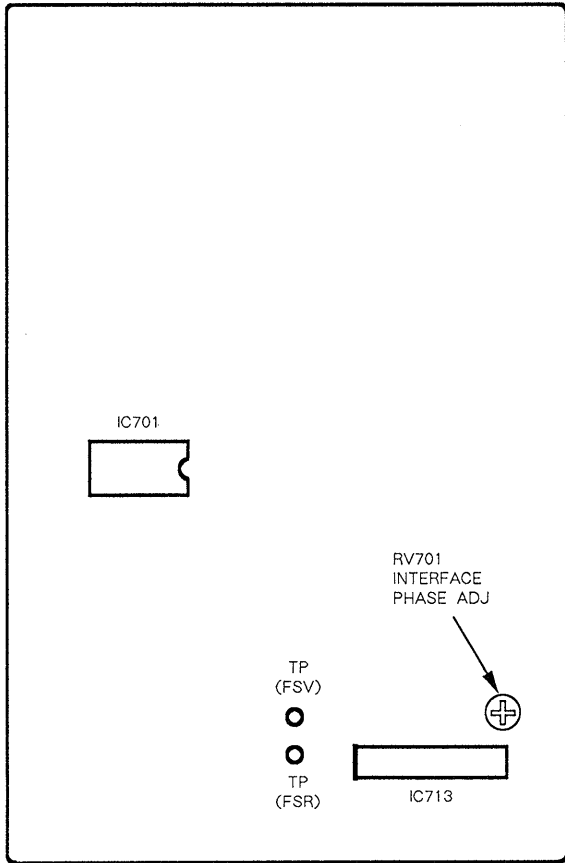
Focus/tracking gain determines the pick-up follow up (vertical and horizontal) relative to mechanical noise and shock when the 2-axis device operate.

However, as these reciprocate, the adjustment is at the point where both are satisfied.

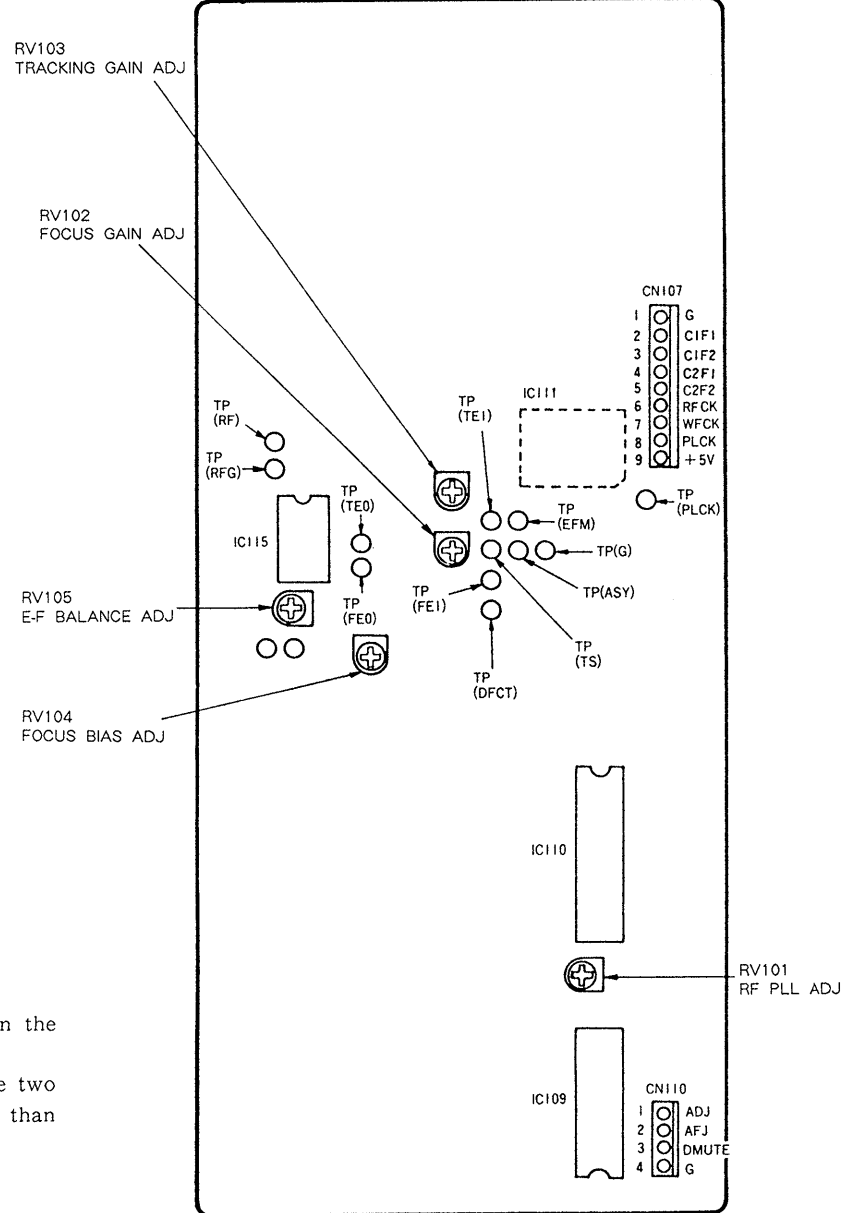
- When gain is raised, the noise when the 2-axis device operates increases.
- When gain is lowered, mechanical shock and skipping occurs more easily.
- When gain adjustment is off, the symptoms below appear.

Symptoms	Gain	Focus	Tracking
• The time until music starts becomes longer for ■ STOP → ▷ PLAY or automatic selection, (⏮, ⏭) buttons pressed.) (Normally takes about 1 seconds.)		low	low or high
• Music does not start and disc continues to rotate for ■ STOP → ▷ PLAY or automatic selection, (⏮, ⏭) buttons pressed.)		—	low
• Sound is interrupted during PLAY or time counter display stops progressing.		—	low
• More noise during 2-axis device operation.		high	high

Adjustment Location : Main board



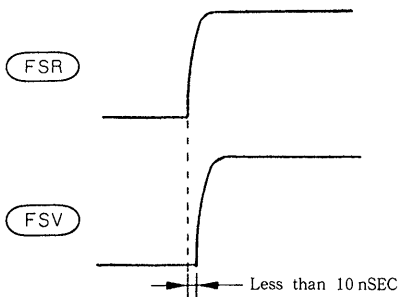
Adjustment Location : Servo board



Interface Phase Adjustment

Procedure :

1. Connect an oscilloscope to TP (FSV) and ground on the main board, and TP (FSR) and ground.
2. Adjust RV701 on the servo circuit board so that the two start up waveforms of the oscilloscope become less than 10 nSEC.

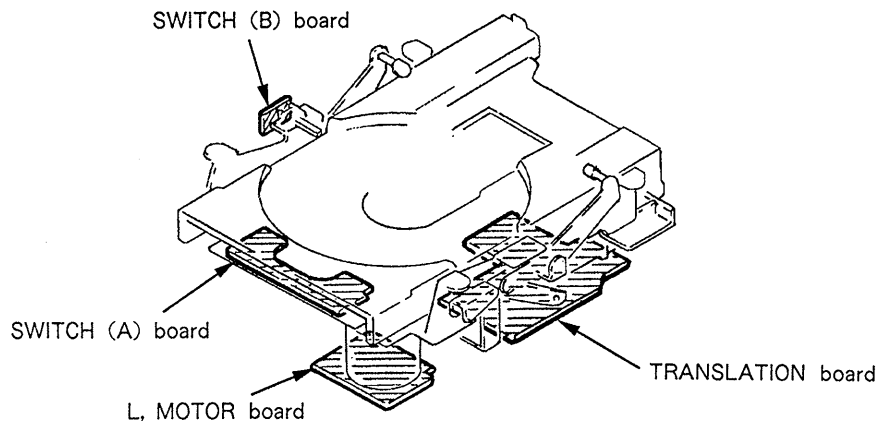
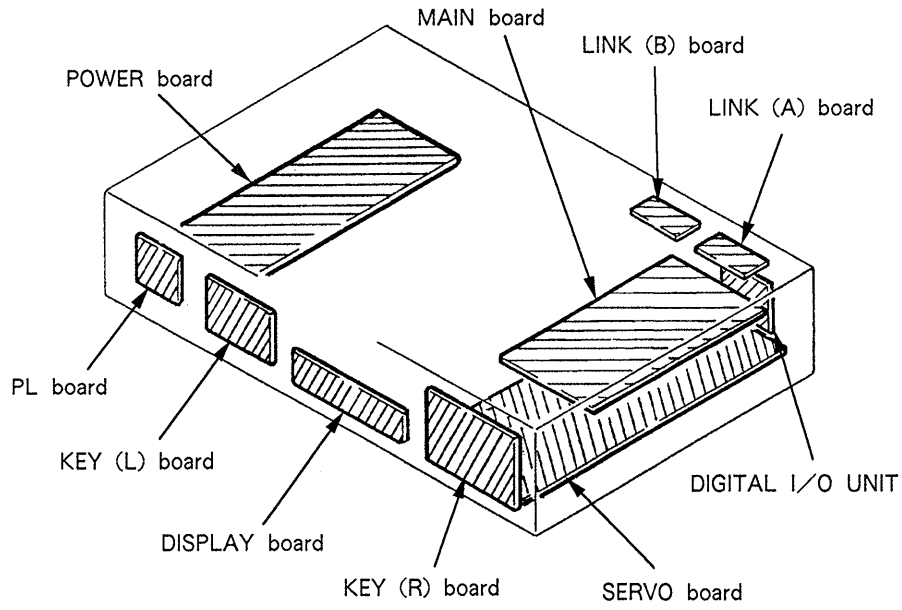


Note :

- Use an oscilloscope with a band of more than 100 MHz.
- Use two identical oscilloscope probes.

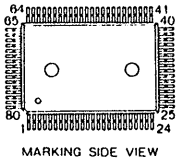
SECTION 5 DIAGRAMS

5-1. CIRCUIT BOARDS LOCATION

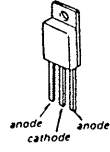


5-2. SEMICONDUCTOR LEAD LAYOUTS

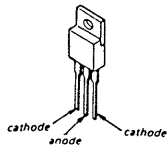
CXD1165Q



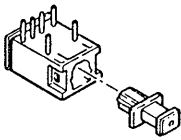
C10P20FU



C10P20FUR

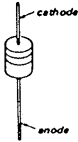


TOTX173

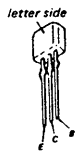


HZS22-2L
HZS6C1L
1SS120
11ES2

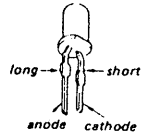
DTA144ES
DTC114ES
DTC144ES



2SA1175-HFE
2SC2785-HFE



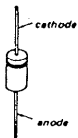
SEL2510C-D
SEL2910A-D



2SB1013-2
2SB734-34



21DQ05



• SEMICONDUCTOR LOCATION

Ref. No.	Location	Ref. No.	Location
IC101	E-6	Q106	C-12
IC102	E-7	Q107	E-12
IC103	E-9	Q108	B-7
IC104	E-9	Q109	B-18
IC105	E-10	Q110	B-6
IC106	C-7	Q401	J-26
IC107	E-11	Q402	J-26
IC108	E-16	Q451	K-16
IC109	B-7	Q452	K-14
IC110	B-10	Q453	K-15
IC111	C-15	Q501	D-23
IC112	D-9	Q502	C-21
IC113	D-11	Q701	J-7
IC114	D-12		
IC115	F-13		
IC116	B-17	D101	D-10
IC117	C-17	D102	F-12
IC118	C-18	D103	B-18
IC120	E-17	D106	D-13
IC301	K-18	D351	H-17
IC302	K-21	D401	J-26
IC401	J-26	D402	J-27
IC402	K-28	D451	J-16
IC503	C-22	D452	J-14
IC601	G-24	D453	J-15
IO651	G-21	D501	C-22
IC701	K-9	D502	C-22
IC702	J-10	D503	C-22
IC703	K-10	D504	C-22
IC704	H-9	D505	D-22
		D506	D-22
IC705	I-9	D507	D-22
IC706	I-10	D508	D-22
IC707	H-10	D509	D-22
IC708	H-10	D510	C-21
IC709	K-7		
IC710	K-7	D511	D-21
IC711	H-7	D516	B-25
IC712	H-8	D517	B-24
IC713	H-6	D518	B-27
IC714	I-11	D519	B-27
Q101	C-10	D701	J-7
Q102	C-10	D702	K-10
Q103	D-11	D703	J-10
Q104	C-11	D704	J-10
Q105	B-13		

Note on Schematic Diagram :

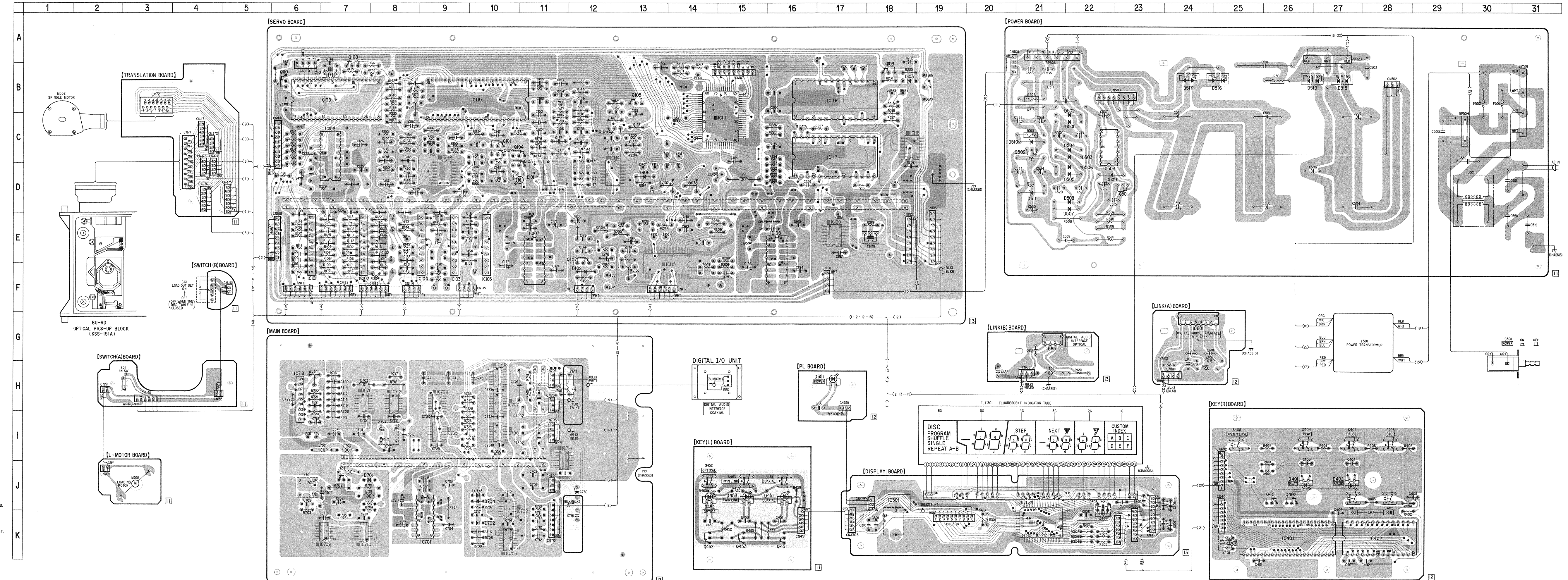
- All capacitors are in μF unless otherwise noted. $pF : \mu F$ 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $\frac{1}{4}W$ or less unless otherwise specified.
- % : indicates tolerance.
- Δ : internal component.
- $\text{---}/\text{---}$: fusible resistor.

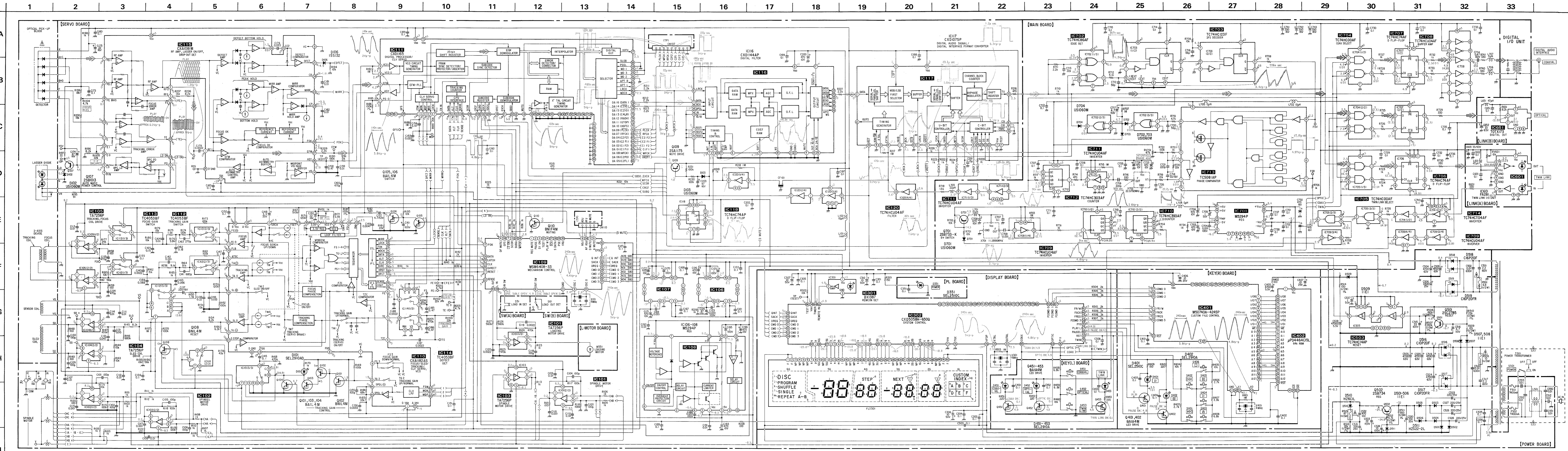
Note: The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

• : B+ Line
 • : B- Line
 • : adjustment for repair.
 • : Voltage and waveforms are dc with respect to ground under no-signal conditions.
 • no mark : STOP (COAXIAL ON)
 (()) : STOP (TWIN LINK ON)
 () : STOP (OPTICAL ON)
 () : PLAY
 • Voltages are taken with a VOM (input impedance 10M Ω). Voltage variations may be noted due to normal production tolerances.
 • Waveforms are taken with an oscilloscope. Voltage variations may be noted due to normal production tolerances.
 • Signal path.
 \Rightarrow : digital out

Note on Printed Wiring Boards :

- : parts extracted from the component side.
- : parts extracted from the conductor side.
- : parts mounted on the conductor side.
- : indicates side identified with part number.
- : Through hole.
- ▨ : Pattern on the side which is seen.
- ▩ : Pattern of the rear side.
- : parts mounted on the component side.





SECTION 6 EXPLODED VIEWS

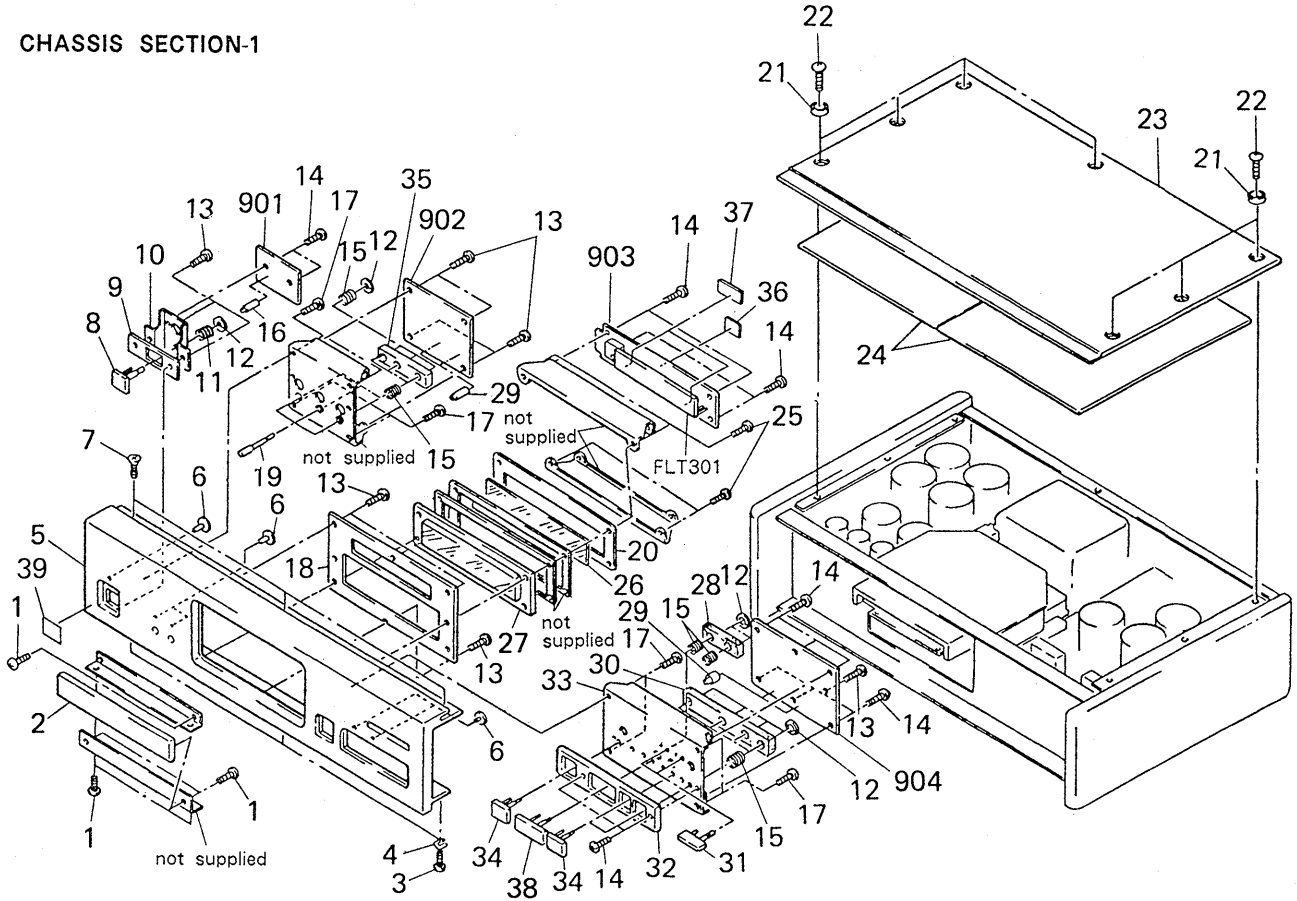
NOTE:

- The mechanical parts with no reference number in the exploded views are not supplied.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

- Due to standardization, parts with part number suffix -XX and -X may be different from the parts specified in the components used on the set.
- Color Indication of Appearance Parts
Example:
(RED) ... KNOB, BALANCE (WHITE)
↑ Cabinet's Color ↑ Parts Color

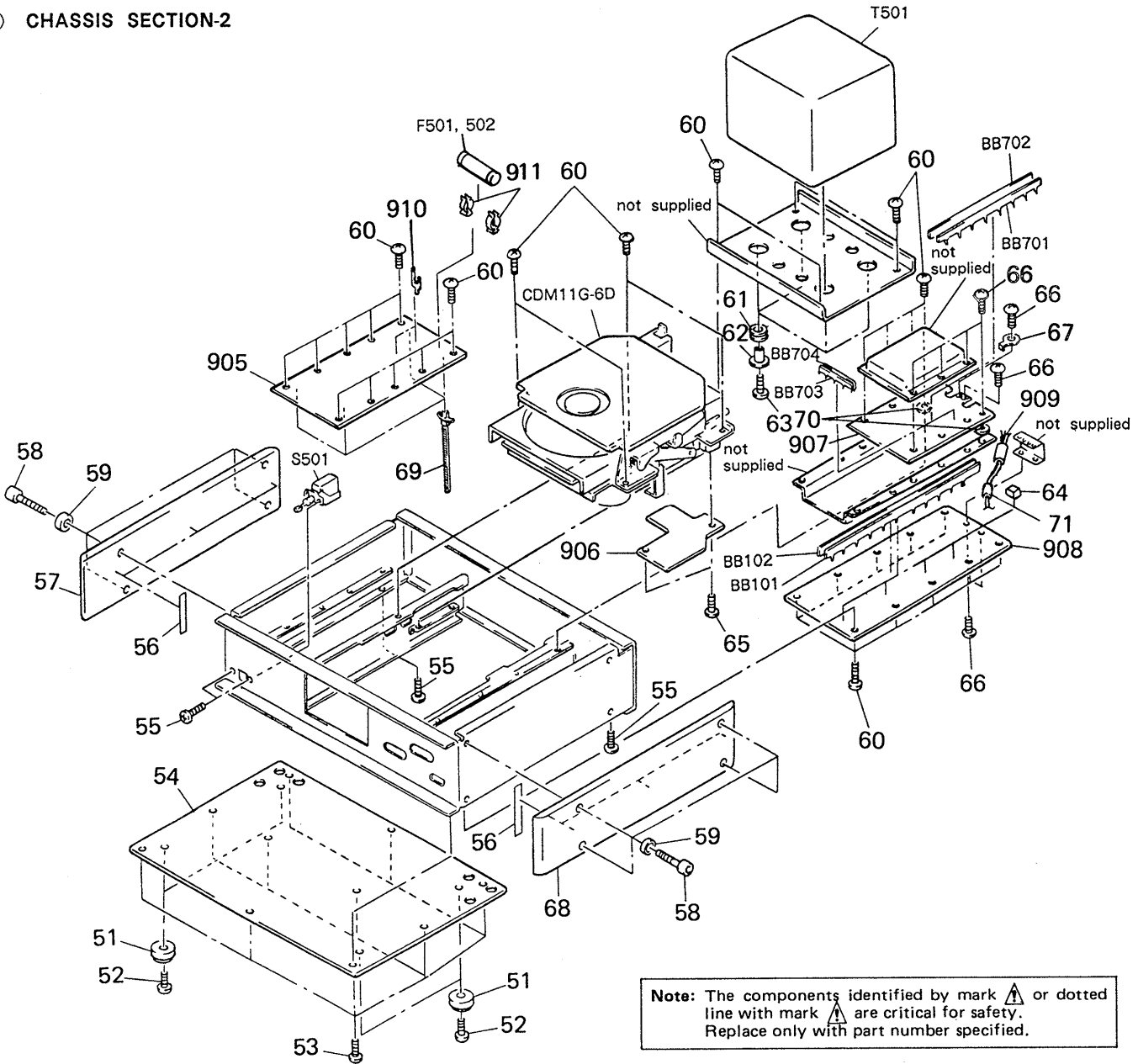
The components identified by mark or dotted line with mark are critical for safety. Replace only with part number specified.

(1) CHASSIS SECTION-1



No.	Part No.	Description	Remarks	No.	Part No.	Description	Remarks
1	7-621-775-10	SCREW +B 2.6X4		23	4-924-236-01	PANEL	
2	4-936-307-11	PLATE (D), ORNAMENTAL		24	*4-924-265-01	ABSORBENT (A), ACOUSTIC	
3	3-703-685-21	SCREW (+BV 3X8)		25	7-682-550-09	SCREW +B 3X12	
4	3-544-028-11	SPACER		26	*4-924-299-01	WINDOW (F)	
5	4-936-313-11	PANEL, FRONT		27	4-936-310-01	WINDOW (H)	
6	4-924-233-01	INDICATOR		28	4-924-244-01	DAMPER (B)	
7	7-682-246-04	SCREW +K 3X5		29	*4-924-227-01	HOLDER (C), LED	
8	X-4924-201-1	KNOB (A) ASSY		30	4-924-243-01	DAMPER (A)	
9	4-924-245-01	PLATE (E), ORNAMENTAL		31	X-4924-204-1	BUTTON (B) ASSY	
10	*X-4924-202-1	BRACKET (E) ASSY		32	4-924-298-01	PLATE (S), ORNAMENTAL	
11	*4-880-426-00	SPRING, COMPRESSION		33	*X-4924-206-1	BRACKET (D) ASSY	
12	4-862-338-00	RING, STOPPER		34	X-4924-211-1	BUTTON (D) ASSY	
13	7-682-546-09	SCREW +B 3X5		35	4-924-293-01	DAMPER (D)	
14	7-685-870-09	SCREW +BVTT 3X5 (S)		36	9-911-842-XX	CUSHION, FLYWHEEL	
15	4-915-427-01	SPRING, COMPRESSION		37	9-911-838-XX	PACKING, KNOB	
16	*4-924-218-01	HOLDER (A), LED		38	X-4924-213-1	BUTTON (E) ASSY	
17	7-682-545-04	SCREW +B 3X4		39	*3-703-710-41	STICKER, SONY SYMBOL (12)	
18	4-936-311-01	PLATE (T), ORNAMENTAL		901	*1-633-356-11	PC BOARD, PL	
19	4-924-295-01	BUTTON (F)		902	*1-633-358-11	PC BOARD, KEY (L)	
20	*4-936-308-01	PLATE (F), ORNAMENTAL		903	*1-633-357-11	PC BOARD, DISPLAY	
21	4-924-237-01	ESCUTCHEON (A)		904	*1-633-359-11	PC BOARD, KEY (R)	
22	4-924-242-01	SCREW (M3X6), FLAT HEAD		FLT301	1-519-455-11	INDICATOR TUBE, FLUORESCENT	

(2) CHASSIS SECTION-2

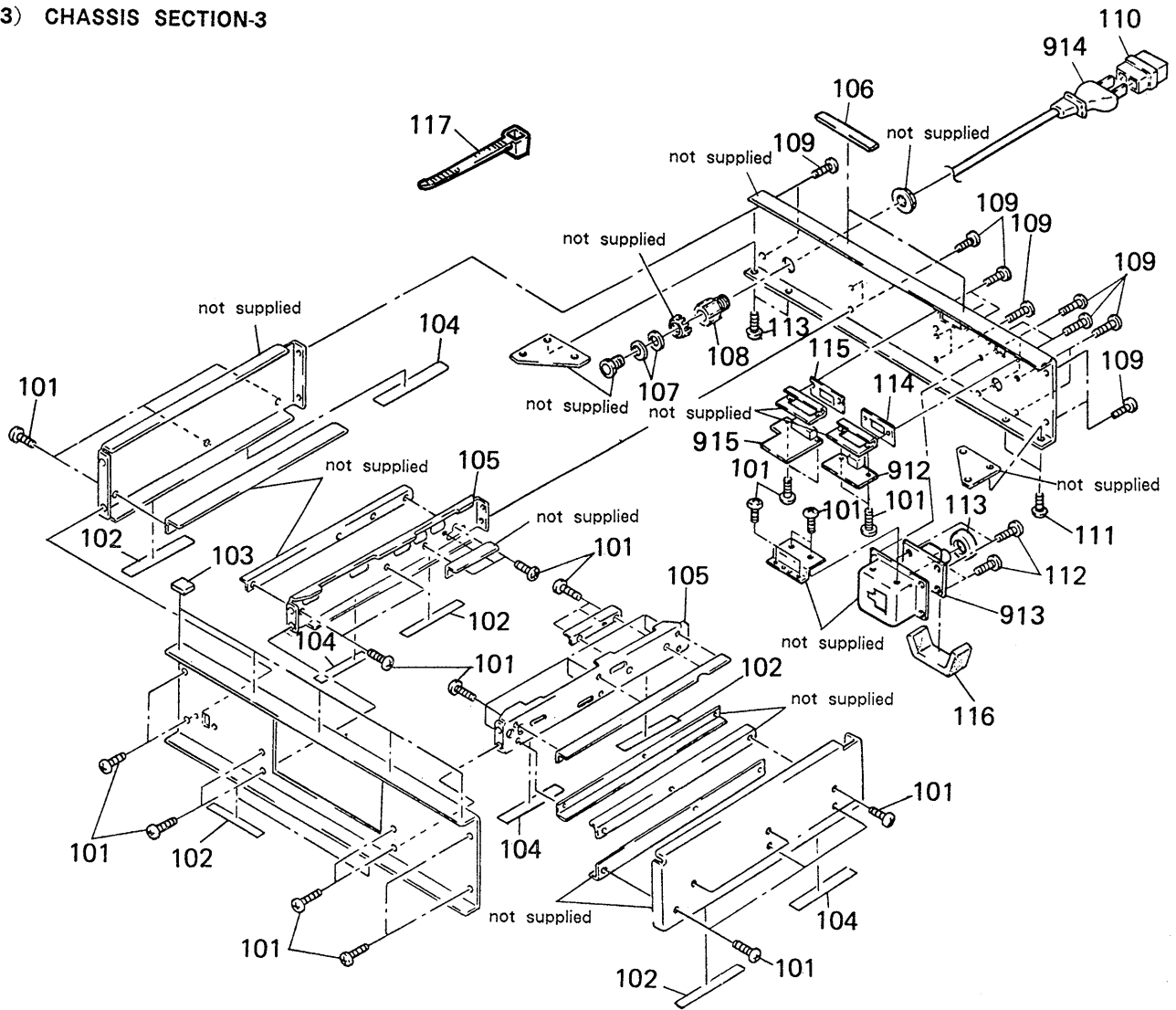




Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.


No.	Part No.	Description	Remarks
51	X-4924-207-1	FOOT ASSY	
52	7-682-566-09	SCREW +B 4X20	
53	3-703-685-21	SCREW (+BV 3X8)	
54	*4-924-238-11	PLATE, BOTTOM	
55	7-682-547-09	SCREW +B 3X6	
56	9-911-835-XX	CUSHION, F	
57	4-924-239-01	PLATE (LEFT), SIDE, ORNAMENTAL	
58	7-683-425-04	BOLT, HEXAGON SOCKET 4X20	
59	4-924-241-01	ESCUTCHEON (B)	
60	7-682-548-09	SCREW (3X8)	
61	4-936-305-01	BUSHING	
62	4-924-211-01	COLLAR	
63	7-682-563-09	SCREW +B 4X12	
64	9-911-863-XX	SPACER	
65	7-685-534-19	SCREW +BTP 2.6X8 TYPE2 N-S	
66	7-682-147-15	SCREW, TR	
67	4-870-539-00	PLATE, GROUND	
68	4-924-240-01	PLATE (RIGHT), SIDE, ORNAMENTAL	
69	3-704-208-01	BAND, BINDING	

No.	Part No.	Description	Remarks
70	*3-655-862-11	SPACER, INSULATING	
71	9-911-815-02	CUSHION, BATTERY LID	
905	*A-4617-540-A	MOUNTED PCB, POWER	
906	*1-633-362-11	PC BOARD, TRANSLATION	
907	*A-4617-541-A	MOUNTED PCB, MAIN	
908	*A-4617-265-A	MOUNTED PCB, SERVO	
909	1-543-140-00	CORE, RING	
910	1-535-476-11	TERMINAL	
911	1-533-183-11	HOLDER, FUSE	
BB101	1-569-232-11	BAR BUS	
BB102	*1-569-234-11	BUS BAR 14P	
BB701	*1-569-235-11	BAR BUS 5P	
BB702	1-569-233-11	BAR BUS	
BB703	*1-560-242-11	BUS BAR 3P	
BB704	*1-560-242-11	BUS BAR 3P	
F501	⚠1-532-066-00	FUSE, TIME-LAG (400mA)	
F502	⚠1-532-066-00	FUSE, TIME-LAG (400mA)	
S501	⚠1-554-538-00	SWITCH, PUSH (AC POWER)(1 KEY)(POWER)	
T501	⚠1-450-195-11	TRANSFORMER, POWER	

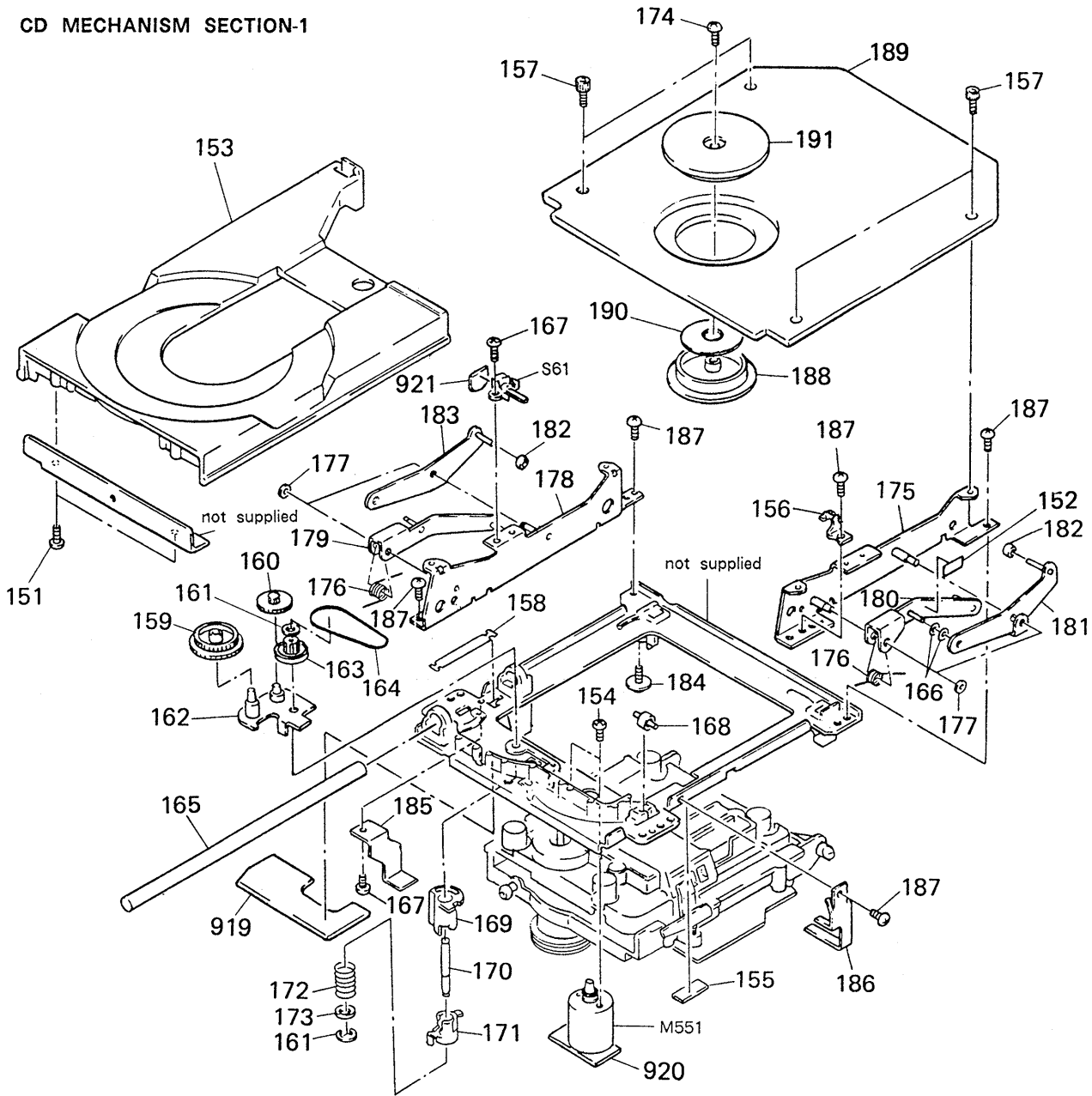
(3) CHASSIS SECTION-3



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

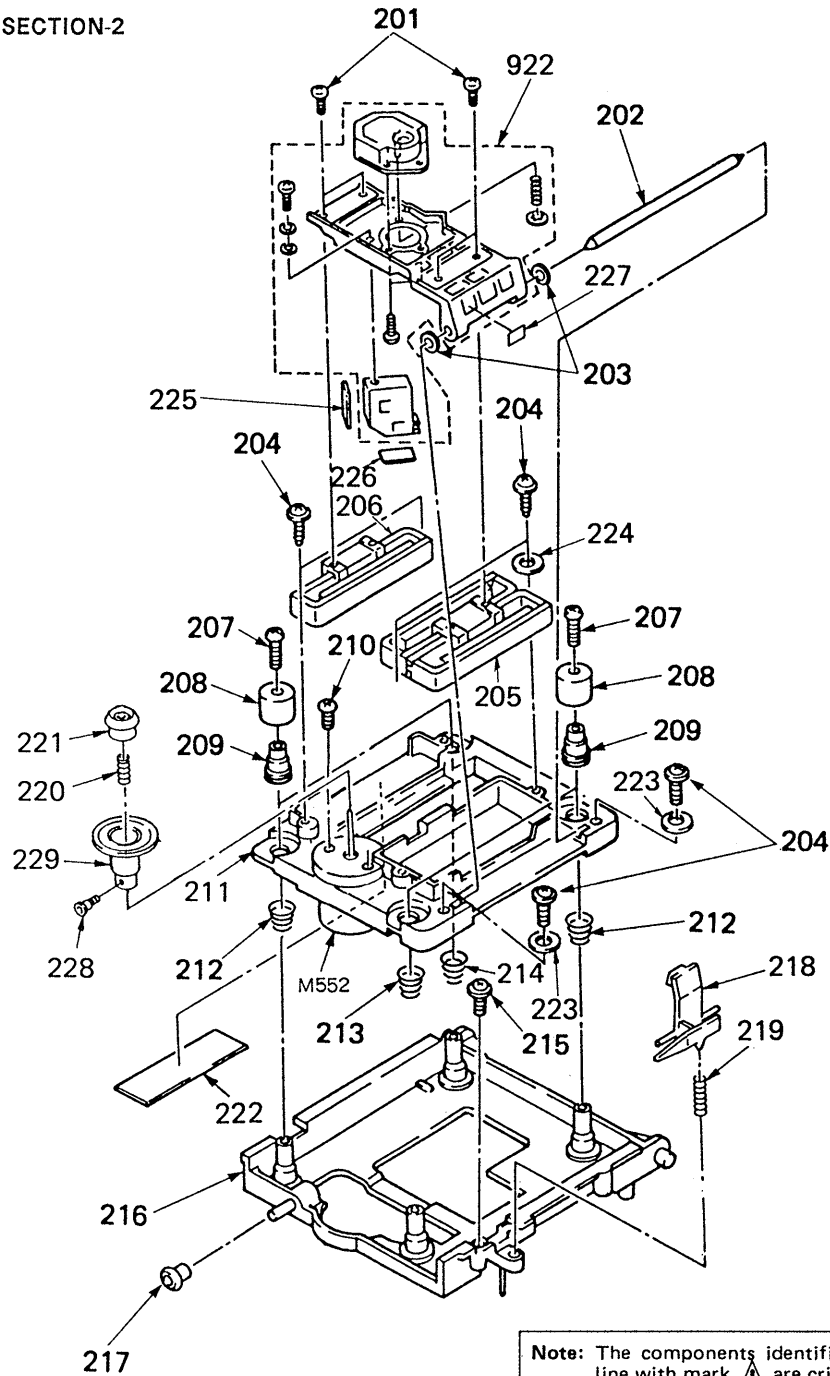
No.	Part No.	Description	Remarks	No.	Part No.	Description	Remarks
101	7-682-548-09	SCREW (3X8)		113	4-908-991-01	ESCUTCHEON	
102	3-831-441-11	SPACER (10X160X0.5)		114	*4-936-304-01	PLATE (U), ORNAMENTAL	
103	9-911-840-XX	CUSHION, RUBBER		115	*4-924-226-01	PLATE (L), ORNAMENTAL	
104	3-645-258-00	CLOTH, GUIDE, C		116	*9-911-830-XX	CUSHION (CD1)	
105	*4-936-317-01	CHASSIS (M)		117	3-655-653-21	BAND (TAITON), BINDING	
106	*3-831-441-11	CUSHION (CASE)		912	*1-633-366-11	PC BOARD, LINK (B)	
107	4-916-726-01	WASHER		913	1-464-905-11	I/O UNIT, DIGITAL (DIGITAL AUDIO INTERFACE COAXIAL)	
108	*X-4885-924-1	BUSHING ASSY, CORD		914	 1-559-271-11	CORD, POWER	
109	3-703-685-21	SCREW (+BV 3X8)		915	*A-4617-267-A	MOUNTED PCB, LINK (A)	
110	4-362-304-00	GUARD, PLUG					
111	7-682-547-09	SCREW +B 3X6					
112	7-685-870-09	SCREW +BVTT 3X5 (S)					

(4) CD MECHANISM SECTION-1



No.	Part No.	Description	Remarks	No.	Part No.	Description	Remarks
151	7-685-147-29	SCREW +P 3X10 TYPE2 SLIT		174	7-685-132-19	+ PTPWH (2.6X5)	
152	*4-927-691-01	SPACER (B)		175	X-4927-609-1	BRACKET (RIGHT) ASSY	
153	4-927-668-01	TABLE, DISK		176	4-927-680-01	SPRING, TORSION	
154	7-682-544-04	SCREW +P 3X3		177	3-558-708-21	WASHER, STOPPER	
155	3-831-441-XX	CUSHION		178	X-4927-610-1	BRACKET (LEFT) ASSY	
156	4-927-684-01	GUIDE		179	X-4927-614-1	LEVER (LB) ASSY	
157	7-683-402-04	BOLT, HEXAGON SOCKET 3X5		180	X-4927-613-1	LEVER (RB) ASSY	
158	*4-927-648-01	SLIDER (GROUND)		181	X-4927-611-1	LEVER (RA) ASSY	
159	4-927-620-01	GEAR (P)		182	*3-576-990-01	CUSHION	
160	4-927-628-01	GEAR (C)		183	X-4927-612-1	LEVER (LA) ASSY	
161	7-624-105-04	STOP RING 2.3, TYPE -E		184	*4-917-583-21	BRACKET, YOKE	
162	X-4927-608-1	ARM ASSY, SWING		185	*4-927-659-01	LIMITER (BU-6)	
163	4-929-724-01	PULLEY (B)		186	*4-927-655-01	LIMITER	
164	4-927-649-01	BELT		187	7-621-773-95	SCREW +BVTT 2.6X6 (S)	
165	*4-927-692-01	BAR, GUIDE		188	4-927-685-02	PULLEY, PRESS	
166	3-701-439-21	WASHER		189	*4-927-689-01	BRACKET (P)	
167	7-621-770-87	SCREW +BVTT 2.6X5 (S)		190	4-927-681-01	PLATE, YOKE	
168	4-927-631-01	ROLLER (L)		191	4-927-682-01	COVER	
169	4-927-624-01	CAM (L,A)		919	*1-633-350-11	PC BOARD, SW (A)	
170	4-927-665-01	SHAFT (S)		920	*1-633-352-11	PC BOARD, (L) MOTOR	
171	4-927-635-01	CAM (L,B)		921	*1-633-351-11	PC BOARD, SW (B)	
172	3-659-338-00	SPRING, COMPRESSION		M551	A-4604-347-A	MOTOR (L) ASSY (LOADING)	
173	4-927-654-01	WASHER (LIMITER)		S61	1-571-300-21	SWITCH, ROTARY (LOAD OUT DET)	

(5) CD MECHANISM SECTION-2



No.	Part No.	Description	Remarks	No.	Part No.	Description	Remarks
201	3-318-203-61	SCREW (B1.7X4), TAPPING		217	4-927-627-01	ROLLER (S,G)	
202	*4-910-431-01	SHAFT, SLIDE		218	4-927-626-01	LEVER (L)	
203	*4-917-582-01	CUSHION, SLIDE		219	3-305-423-00	SPRING, COMPRESSION	
204	7-685-646-79	SCREW, TAPPING		220	4-908-213-01	SPRING, COMPRESSION	
205	A-4608-335-A	MOTOR ASSY, LINEAR		221	4-923-588-01	CAP	
206	A-4638-084-A	SENSOR ASSY, SPEED		222	4-921-862-01	PLATE, SHIELD	
207	7-685-134-19	SCREW +BTP 2.6X8 TYPE2 N-S		223	4-927-318-01	WASHER	
208	4-927-634-01	HOLDER (SP)		224	4-927-669-01	WASHER (BU)	
209	*4-917-584-11	INSULATOR		225	4-921-863-01	DAMPER (I)	
210	7-621-255-25	SCREW +P 2X4		226	4-921-864-01	DAMPER (J)	
211	4-922-671-02	BASE (M,6), MECHANICAL		227	4-922-694-01	CUSHION	
212	4-917-572-01	SPRING (B)		228	7-621-734-09	SET-SCT, HEX. 2.6X3	
213	4-917-571-01	SPRING (A)		229	4-923-593-02	PULLEY, DISK	
214	4-917-573-01	SPRING (E)		922	Δ.8-848-064-01	PICKUP, OPTICS KSS-151A	
215	7-685-132-19	SCREW +BTP 2.6X5 TYPE2 N-S		M552	1-541-717-11	MOTOR (SPINDLE)	
216	*4-927-637-01	HOLDER (BU-6)					

SECTION 7 ELECTRICAL PARTS LIST

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.
- Items marked “*” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- If there are two or more same circuits in a set such as a stereophonic machine, only typical circuit parts may be indicated and capacitors and resistors in other same circuits may be omitted.

CAPACITORS:
MF: μ F, PF: μ MF.

RESISTORS
• All resistors are in ohms.
• F: nonflammable

COILS
• MMH: mH, UH: μ H

SEMICONDUCTORS
In each case, U: μ , for example:
UA....: μ A...., UPA....: μ PA....,
UPC....: μ PC, UPD....: μ PD...

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

Ref.No.	Part No.	Description
901	*1-633-356-11	PC BOARD, PL
902	*1-633-358-11	PC BOARD, KEY (L)
903	*1-633-357-11	PC BOARD, DISPLAY
904	*1-633-359-11	PC BOARD, KEY (R)
905	*A-4617-540-A	MOUNTED PCB, POWER
906	*1-633-362-11	PC BOARD, TRANSLATION
907	*A-4617-541-A	MOUNTED PCB, MAIN
908	*A-4617-265-A	MOUNTED PCB, SERVO
909	1-543-140-00	CORE, RING
910	1-535-476-11	TERMINAL
911	1-533-183-11	HOLDER, FUSE
912	*1-633-366-11	PC BOARD, LINK (B)
913	1-464-905-11	I/O UNIT, DIGITAL (DIGITAL AUDIO INTERFACE COAXIAL)
914	Δ 1-559-271-11	CORD, POWER
915	*A-4617-267-A	MOUNTED PCB, LINK (A)
919	*1-633-350-11	PC BOARD, SW (A)
920	*1-633-352-11	PC BOARD, (L) MOTOR
921	*1-633-351-11	PC BOARD, SW (B)
922	Δ 8-848-064-01	PICKUP, OPTICS KSS-151A
BB101	1-569-232-11	BAR BUS
BB102	*1-569-234-11	BUS BAR 14P
BB701	*1-569-235-11	BAR BUS 5P
BB702	1-569-233-11	BAR BUS
BB703	*1-560-242-11	BUS BAR 3P
BB704	*1-560-242-11	BUS BAR 3P
BP501	*1-535-141-00	BASE POST 19MM (10MM PITCH) 4P
BP502	*1-535-140-00	BASE POST 19MM (10MM PITCH) 3P
BP503	*1-535-119-00	TERMINAL
BP504	*1-535-139-00	BASE POST 19MM (10MM PITCH) 2P
C101	1-162-282-31	CERAMIC 100PF 10% 50V
C102	1-162-282-31	CERAMIC 100PF 10% 50V
C103	1-162-282-31	CERAMIC 100PF 10% 50V
C104	1-162-282-31	CERAMIC 100PF 10% 50V
C105	1-162-282-31	CERAMIC 100PF 10% 50V
C106	1-162-282-31	CERAMIC 100PF 10% 50V
C107	1-136-153-00	FILM 0.01MF 5% 50V
C108	1-136-153-00	FILM 0.01MF 5% 50V
C109	1-136-153-00	FILM 0.01MF 5% 50V
C110	1-136-153-00	FILM 0.01MF 5% 50V
C111	1-136-153-00	FILM 0.01MF 5% 50V
C112	1-136-153-00	FILM 0.01MF 5% 50V
C113	1-136-153-00	FILM 0.01MF 5% 50V
C114	1-136-153-00	FILM 0.01MF 5% 50V
C115	1-162-294-31	CERAMIC 0.001MF 10% 50V

Ref.No.	Part No.	Description
C116	1-162-294-31	CERAMIC 0.001MF 10% 50V
C117	1-162-294-31	CERAMIC 0.001MF 10% 50V
C118	1-162-282-31	CERAMIC 100PF 10% 50V
C119	1-161-375-00	CERAMIC 0.0022MF 20% 16V
C120	1-161-375-00	CERAMIC 0.0022MF 20% 16V
C121	1-162-179-11	CERAMIC 0.1MF 50V
C122	1-162-179-11	CERAMIC 0.1MF 50V
C123	1-136-814-11	FILM 0.001MF 5% 100V
C124	1-126-051-11	ELECT 47MF 20% 25V
C125	1-126-731-11	ELECT 1MF 20% 100V
C126	1-124-997-11	ELECT 470MF 20% 10V
C127	1-162-179-11	CERAMIC 0.1MF 50V
C128	1-162-179-11	CERAMIC 0.1MF 50V
C129	1-162-282-31	CERAMIC 100PF 10% 50V
C130	1-162-282-31	CERAMIC 100PF 10% 50V
C131	1-136-155-00	FILM 0.015MF 5% 50V
C132	1-136-161-00	FILM 0.047MF 5% 50V
C133	1-162-290-31	CERAMIC 470PF 10% 50V
C134	1-162-290-31	CERAMIC 470PF 10% 50V
C135	1-162-179-11	CERAMIC 0.1MF 50V
C136	1-162-179-11	CERAMIC 0.1MF 50V
C137	1-126-024-11	ELECT 220MF 20% 16V
C138	1-136-169-00	FILM 0.22MF 5% 50V
C139	1-136-163-00	FILM 0.068MF 5% 50V
C140	1-161-375-00	CERAMIC 0.0022MF 20% 16V
C141	1-162-292-31	CERAMIC 680PF 10% 50V
C142	1-162-294-31	CERAMIC 0.001MF 10% 50V
C143	1-136-162-00	FILM 0.056MF 5% 50V
C144	1-136-159-00	FILM 0.033MF 5% 50V
C145	1-136-165-00	FILM 0.1MF 5% 50V
C147	1-136-165-00	FILM 0.1MF 5% 50V
C148	1-131-350-00	TANTALUM 3.3MF 10% 35V
C149	1-161-377-00	CERAMIC 0.0047MF 20% 16V
C150	1-126-049-11	ELECT 22MF 20% 16V
C151	1-162-179-11	CERAMIC 0.1MF 50V
C152	1-162-179-11	CERAMIC 0.1MF 50V
C153	1-136-159-00	FILM 0.033MF 5% 50V
C154	1-136-173-00	FILM 0.47MF 5% 50V
C155	1-162-282-31	CERAMIC 100PF 10% 50V
C156	1-161-327-00	CERAMIC 0.0033MF 20% 16V
C157	1-126-058-11	ELECT 4.7MF 20% 63V
C158	1-136-173-00	FILM 0.47MF 5% 50V
C159	1-136-153-00	FILM 0.01MF 5% 50V
C160	1-162-290-31	CERAMIC 470PF 10% 50V
C161	1-126-731-11	ELECT 1MF 20% 100V

Ref.No.	Part No.	Description				Ref.No.	Part No.	Description			
C162	1-136-168-00	FILM	0.18MF	5%	50V	C452	1-162-179-11	CERAMIC	0.1MF		50V
C163	1-162-287-31	CERAMIC	270PF	10%	50V	C453	1-162-179-11	CERAMIC	0.1MF		50V
C164	1-162-306-11	CERAMIC	0.01MF	20%	16V	C501	1-136-880-11	FILM	2.2MF	10%	160V
C165	1-136-167-00	FILM	0.15MF	5%	50V	C502	1-136-601-11	FILM	0.01MF	10%	630V
C167	1-162-179-11	CERAMIC	0.1MF		50V	C503	1-125-604-11	ELECT	4700MF	20%	63V
C168	1-162-179-11	CERAMIC	0.1MF		50V	C504	1-125-604-11	ELECT	4700MF	20%	63V
C169	1-136-814-11	FILM	0.001MF	5%	100V	C505	1-125-604-11	ELECT	4700MF	20%	63V
C170	1-126-731-11	ELECT	1MF	20%	100V	C506	1-124-636-00	ELECT	3300MF	20%	25V
C171	1-124-997-11	ELECT	470MF	20%	10V	C512	1-161-744-00	CERAMIC	0.01MF		400V
C172	1-124-997-11	ELECT	470MF	20%	10V	C515	1-126-737-11	ELECT	33MF	20%	100V
C173	1-162-179-11	CERAMIC	0.1MF		50V	C516	1-126-058-11	ELECT	4.7MF	20%	50V
C174	1-126-051-11	ELECT	47MF	20%	16V	C517	1-136-880-11	FILM	2.2MF	10%	160V
C175	1-126-049-11	ELECT	22MF	20%	16V	C518	1-136-601-11	FILM	0.01MF	10%	630V
C176	1-136-159-00	FILM	0.033MF	5%	50V	C519	1-125-604-11	ELECT	4700MF	20%	63V
C179	1-161-375-00	CERAMIC	0.0022MF	20%	16V	C520	1-125-604-11	ELECT	4700MF	20%	63V
C180	1-162-179-11	CERAMIC	0.1MF		50V	C524	1-125-604-11	ELECT	4700MF	20%	63V
C181	1-136-153-00	FILM	0.01MF	5%	50V	C526	1-126-024-11	ELECT	220MF	20%	25V
C182	1-136-153-00	FILM	0.01MF	5%	50V	C527	1-126-024-11	ELECT	220MF	20%	25V
C183	1-162-179-11	CERAMIC	0.1MF		50V	C528	1-126-024-11	ELECT	220MF	20%	25V
C185	1-136-173-00	FILM	0.47MF	5%	50V	C529	1-126-024-11	ELECT	220MF	20%	25V
C186	1-136-173-00	FILM	0.47MF	5%	50V	C530	1-126-700-11	ELECT	330MF	20%	35V
C187	1-161-375-00	CERAMIC	0.0022MF	20%	16V	C531	1-126-025-11	ELECT	330MF	20%	25V
C188	1-161-375-00	CERAMIC	0.0022MF	20%	16V	C532	1-124-997-11	ELECT	470MF	20%	10V
C189	1-162-179-11	CERAMIC	0.1MF		50V	C533	1-126-736-11	ELECT	22MF	20%	100V
C190	1-162-179-11	CERAMIC	0.1MF		50V	C534	1-126-735-11	ELECT	10MF	20%	100V
C191	1-136-153-00	FILM	0.01MF	5%	50V	C535	1-162-179-11	CERAMIC	0.1MF		50V
C192	1-136-153-00	FILM	0.01MF	5%	50V	C536	1-162-179-11	CERAMIC	0.1MF		50V
C193	1-126-997-11	ELECT	470MF	20%	10V	C537	1-126-044-11	ELECT	1MF	20%	50V
C194	1-136-814-11	FILM	0.001MF	5%	100V	C538	1-126-244-51	ELECT	47000MF		5.5V
C195	1-126-731-11	ELECT	1MF	20%	100V	C550	1-161-744-00	CERAMIC	0.01MF		400V
C196	1-124-997-11	ELECT	470MF	20%	10V	C551	1-161-744-00	CERAMIC	0.01MF		400V
C197	1-162-179-11	CERAMIC	0.1MF		50V	C552	1-161-744-00	CERAMIC	0.01MF		400V
C198	1-162-179-11	CERAMIC	0.1MF		50V	C553	1-161-744-00	CERAMIC	0.01MF		400V
C199	1-162-179-11	CERAMIC	0.1MF		50V	C601	1-162-179-11	CERAMIC	0.1MF		50V
C200	1-124-997-11	ELECT	470MF	20%	10V	C602	1-162-179-11	CERAMIC	0.1MF		50V
C201	1-162-203-31	CERAMIC	15PF	5%	50V	C603	1-126-735-11	ELECT	33MF	20%	63V
C202	1-162-179-11	CERAMIC	0.1MF		50V	C651	1-162-179-11	CERAMIC	0.1MF		50V
C203	1-126-051-11	ELECT	47MF	20%	16V	C652	1-126-735-11	ELECT	33MF	20%	63V
C255	1-126-731-11	ELECT	1MF	20%	100V	C701	1-136-960-11	FILM	0.1MF	10%	160V
C301	1-162-179-11	CERAMIC	0.1MF		50V	C702	1-136-960-11	FILM	0.1MF	10%	160V
C302	1-162-179-11	CERAMIC	0.1MF		50V	C703	1-124-997-11	ELECT	470MF	20%	10V
C303	1-162-179-11	CERAMIC	0.1MF		50V	C704	1-136-814-11	FILM	0.001MF	5%	100V
C304	1-162-179-11	CERAMIC	0.1MF		50V	C705	1-126-044-11	ELECT	1MF	20%	50V
C305	1-162-179-11	CERAMIC	0.1MF		50V	C706	1-124-997-11	ELECT	470MF	20%	10V
C306	1-126-059-11	ELECT	10MF	20%	50V	C707	1-162-179-11	CERAMIC	0.1MF		50V
C307	1-126-059-11	ELECT	10MF	20%	50V	C708	1-124-997-11	ELECT	470MF	20%	10V
C308	1-162-179-11	CERAMIC	0.1MF		50V	C709	1-162-294-31	CERAMIC	0.001MF	10%	50V
C310	1-126-059-11	ELECT	10MF	20%	50V	C710	1-162-179-11	CERAMIC	0.1MF		50V
C351	1-162-179-11	CERAMIC	0.1MF		50V	C711	1-162-179-11	CERAMIC	0.1MF		50V
C401	1-162-179-11	CERAMIC	0.1MF		50V	C712	1-162-217-31	CERAMIC	56PF	5%	50V
C402	1-162-179-11	CERAMIC	0.1MF		50V	C713	1-162-207-31	CERAMIC	22PF	5%	50V
C403	1-162-179-11	CERAMIC	0.1MF		50V	C714	1-162-179-11	CERAMIC	0.1MF		50V
C404	1-162-179-11	CERAMIC	0.1MF		50V	C715	1-162-179-11	CERAMIC	0.1MF		50V
C405	1-124-936-11	ELECT	4700MF		5.5V	C716	1-162-217-31	CERAMIC	56PF	5%	50V
C406	1-131-522-11	TANTALUM	10MF	20%	25V	C717	1-126-058-11	ELECT	4.7MF	20%	50V
C407	1-131-522-11	TANTALUM	10MF	20%	25V	C718	1-124-242-00	ELECT	33MF	20%	16V
C451	1-162-179-11	CERAMIC	0.1MF		50V	C719	1-162-286-31	CERAMIC	220PF	10%	50V



Ref.No.	Part No.	Description					Ref.No.	Part No.	Description
C720	1-162-217-31	CERAMIC	56PF	5%	50V		CN704	*1-564-506-11	PLUG, CONNECTOR 3P
C721	1-162-286-31	CERAMIC	220PF	10%	50V		CN705	*1-564-506-11	PLUG, CONNECTOR 3P
C722	1-162-179-11	CERAMIC	0.1MF		50V		D101	8-719-301-61	LED SEL2910A-D
C723	1-124-997-11	ELECT	470MF	20%	10V		D102	8-719-912-20	DIODE 1SS120
C724	1-124-997-11	ELECT	470MF	20%	10V		D103	8-719-912-20	DIODE 1SS120
C725	1-162-179-11	CERAMIC	0.1MF		50V		D106	8-719-912-20	DIODE 1SS120
C726	1-162-179-11	CERAMIC	0.1MF		50V		D351	8-719-303-02	LED SEL2510C-D (POWER)
C727	1-162-179-11	CERAMIC	0.1MF		50V		D401	8-719-303-02	LED SEL2510C-D (PLAY)
C728	1-162-179-11	CERAMIC	0.1MF		50V		D402	8-719-301-61	LED SEL2910A-D (PAUSE)
C729	1-162-179-11	CERAMIC	0.1MF		50V		D451	8-719-301-61	LED SEL2910A-D (COAXIAL)
C730	1-162-179-11	CERAMIC	0.1MF		50V		D452	8-719-301-61	LED SEL2910A-D (OPTICAL)
C731	1-162-179-11	CERAMIC	0.1MF		50V		D453	8-719-301-61	LED SEL2910A-D (TWIN LINK)
C732	1-162-179-11	CERAMIC	0.1MF		50V		D501	8-719-200-31	DIODE 21DQ05
C733	1-162-179-11	CERAMIC	0.1MF		50V		D502	8-719-200-31	DIODE 21DQ05
C734	1-136-962-11	FILM	0.47MF	10%	160V		D503	8-719-200-31	DIODE 21DQ05
C735	1-162-179-11	CERAMIC	0.1MF		50V		D504	8-719-200-31	DIODE 21DQ05
C736	1-162-179-11	CERAMIC	0.1MF		50V		D505	8-719-200-31	DIODE 21DQ05
C737	1-136-165-00	FILM	0.1MF	5%	50V		D506	8-719-200-31	DIODE 21DQ05
C738	1-136-165-00	FILM	0.1MF	5%	50V		D507	8-719-200-31	DIODE 21DQ05
C740	1-162-179-11	CERAMIC	0.1MF		50V		D508	8-719-200-31	DIODE 21DQ05
C741	1-126-025-11	ELECT	330MF	20%	16V		D509	8-719-200-82	DIODE 11ES2
C742	1-126-025-11	ELECT	330MF	20%	16V		D510	8-719-933-39	DIODE HZS6C1L
C743	1-126-025-11	ELECT	330MF	20%	16V		D511	8-719-934-00	DIODE HZS22-2L
C750	1-126-026-11	ELECT	470MF	20%	16V		D516	8-719-200-68	DIODE C10P20FU
C751	1-126-026-11	ELECT	470MF	20%	16V		D517	8-719-200-69	DIODE C10P20FUR
CF101	1-577-685-11	FILTER, CRYSTAL					D518	8-719-200-68	DIODE C10P20FU
CN51	*1-564-336-00	PIN, CONNECTOR 2P					D519	8-719-200-69	DIODE C10P20FUR
CN52	*1-564-336-00	PIN, CONNECTOR 2P					D701	8-719-912-20	DIODE 1SS120
CN71	*1-562-883-11	SOCKET, CONNECTOR 20P					D702	8-719-912-20	DIODE 1SS120
CN72	1-569-225-11	SOCKET, CONNECTOR 14P					D703	8-719-912-20	DIODE 1SS120
CN101	*1-564-507-11	PLUG, CONNECTOR 4P					D704	8-719-912-20	DIODE 1SS120
CN102	*1-564-511-11	PLUG, CONNECTOR 8P					F501	△.1-532-066-00	FUSE, TIME-LAG (400mA)
CN103	*1-564-512-11	PLUG, CONNECTOR 9P					F502	△.1-532-066-00	FUSE, TIME-LAG (400mA)
CN107	*1-564-711-11	PIN, CONNECTOR (SMALL TYPE) 9P					FLT301	1-519-455-11	INDICATOR TUBE, FLUORESCENT
CN108	*1-564-712-11	PIN, CONNECTOR (SMALL TYPE) 10P					IC101	8-759-202-01	IC TA7256P
CN109	*1-564-711-11	PIN, CONNECTOR (SMALL TYPE) 9P					IC102	8-759-202-01	IC TA7256P
CN110	*1-564-507-11	PLUG, CONNECTOR 4P					IC103	8-759-202-01	IC TA7256P
CN111	*1-564-340-00	PIN, CONNECTOR 6P					IC104	8-759-202-01	IC TA7256P
CN112	*1-564-341-11	PIN, CONNECTOR 7P					IC105	8-759-202-01	IC TA7256P
CN113	*1-564-340-71	PIN, CONNECTOR 6P					IC106	8-759-631-40	IC M5294P
CN114	*1-564-338-00	PIN, CONNECTOR 4P					IC107	8-759-631-40	IC M5294P
CN115	*1-564-338-81	PIN, CONNECTOR 4P					IC108	8-759-631-40	IC M5294P
CN116	*1-564-338-71	PIN, CONNECTOR 4P					IC109	8-759-972-50	IC MSM6408-33SS
CN117	*1-564-340-00	PIN, CONNECTOR 6P					IC110	8-752-032-33	IC CXA1182S
CN351	*1-564-336-00	PIN, CONNECTOR 2P					IC111	8-752-325-59	IC CXD1165Q
CN401	*1-564-341-11	PIN, CONNECTOR 7P					IC112	8-759-208-11	IC TC4053BFHB
CN402	*1-564-342-11	PIN, CONNECTOR 8P					IC113	8-759-208-11	IC TC4053BFHB
CN451	*1-564-340-00	PIN, CONNECTOR 6P					IC114	8-759-208-11	IC TC4053BFHB
CN501	*1-564-507-11	PLUG, CONNECTOR 4P					IC115	8-752-030-93	IC CXA1081M
CN502	*1-564-506-11	PLUG, CONNECTOR 3P					IC116	8-752-332-01	IC CXD1144BP
CN503	*1-564-511-11	PLUG, CONNECTOR 8P					IC117	8-752-322-30	IC CXD1075P
CN601	*1-564-507-11	PLUG, CONNECTOR 4P					IC118	8-759-232-32	IC TC74HC74AF
CN651	*1-564-506-11	PLUG, CONNECTOR 3P					IC120	8-759-233-64	IC TC74HC04AF
CN701	*1-564-510-11	PLUG, CONNECTOR 7P					IC301	8-741-138-70	IC BX-1387
CN702	*1-564-506-11	PLUG, CONNECTOR 3P							
CN703	*1-564-507-11	PLUG, CONNECTOR 4P							

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

Ref.No.	Part No.	Description	Ref.No.	Part No.	Description			
IC302	8-752-813-10	IC CXP5058H-650Q	R104	1-259-428-11	CARBON	1K	5%	1/6W
IC401	8-759-630-16	IC M50740A-424SP	R105	1-259-428-11	CARBON	1K	5%	1/6W
IC402	8-759-822-50	IC LC3564PL-15	R106	1-259-428-11	CARBON	1K	5%	1/6W
IC503	8-759-232-15	IC TC74HC14AP	R107	1-259-428-11	CARBON	1K	5%	1/6W
IC601	8-759-239-30	IC F4281 (DIGITAL AUDIO INTERFACE TWINLINK)	R108	1-259-428-11	CARBON	1K	5%	1/6W
IC651	8-759-239-31	IC TOTX173 (DIGITAL AUDIO INTERFACE OPTICAL)	R109	1-259-428-11	CARBON	1K	5%	1/6W
IC701	8-759-631-40	IC M5294P	R110	1-259-428-11	CARBON	1K	5%	1/6W
IC702	8-759-239-23	IC TC74HC86AF	R111	1-259-428-11	CARBON	1K	5%	1/6W
IC703	8-759-206-28	IC TC74HC123F	R112	1-259-428-11	CARBON	1K	5%	1/6W
IC704	8-759-032-01	IC MC74HC00AF	R113	1-259-428-11	CARBON	1K	5%	1/6W
IC705	8-759-032-01	IC MC74HC00AF	R114	1-259-476-11	CARBON	100K	5%	1/6W
IC706	8-759-232-32	IC TC74HC74AF	R115	1-259-476-11	CARBON	100K	5%	1/6W
IC707	8-759-232-32	IC TC74HC74AF	R116	1-259-476-11	CARBON	100K	5%	1/6W
IC708	8-759-233-64	IC TC74HCU04AF	R117	1-259-476-11	CARBON	100K	5%	1/6W
IC709	8-759-233-64	IC TC74HCU04AF	R118	1-259-476-11	CARBON	100K	5%	1/6W
IC710	8-759-233-26	IC TC74HC393AF	R119	1-259-476-11	CARBON	100K	5%	1/6W
IC711	8-759-233-64	IC TC74HCU04AF	R120	1-259-404-11	CARBON	100	5%	1/6W
IC712	8-759-233-26	IC TC74HC393AF	R121	1-259-404-11	CARBON	100	5%	1/6W
IC713	8-759-250-81	IC TC5081AP	R122	1-259-404-11	CARBON	100	5%	1/6W
IC714	8-759-233-66	IC TC74HCT04AF	R123	1-259-428-11	CARBON	1K	5%	1/6W
L101	1-408-912-11	INDUCTOR 1MMH	R124	1-259-492-11	CARBON	470K	5%	1/6W
L102	1-408-117-00	INDUCTOR 10UH	R125	1-259-492-11	CARBON	470K	5%	1/6W
L501	1-424-404-11	COIL, LINE FILTER	R126	1-259-494-11	CARBON	560K	5%	1/6W
L601	1-408-072-00	INDUCTOR 47UH	R127	1-259-494-11	CARBON	560K	5%	1/6W
L651	1-408-072-00	INDUCTOR 47UH	R128	1-259-424-11	CARBON	680	5%	1/6W
L701	1-408-117-00	INDUCTOR 10UH	R129	1-259-424-11	CARBON	680	5%	1/6W
L702	1-408-117-00	INDUCTOR 10UH	R130	1-259-424-11	CARBON	680	5%	1/6W
L703	1-408-121-00	INDUCTOR 22UH	R131	1-259-424-11	CARBON	680	5%	1/6W
L704	*1-410-858-11	INDUCTOR 0UH	R132	1-259-424-11	CARBON	680	5%	1/6W
L705	*1-410-858-11	INDUCTOR 0UH	R133	1-259-424-11	CARBON	680	5%	1/6W
L706	*1-410-858-11	INDUCTOR 0UH	R134	1-259-424-11	CARBON	680	5%	1/6W
L707	*1-410-858-11	INDUCTOR 0UH	R135	1-259-428-11	CARBON	1K	5%	1/6W
M551	A-4604-347-A	MOTOR (L) ASSY (LOADING)	R136	1-259-428-11	CARBON	1K	5%	1/6W
M552	1-541-717-11	MOTOR (SPINDLE)	R137	1-259-428-11	CARBON	1K	5%	1/6W
Q101	8-729-900-89	TRANSISTOR DTC144ES	R138	1-259-428-11	CARBON	1K	5%	1/6W
Q102	8-729-900-65	TRANSISTOR DTA144ES	R139	1-259-428-11	CARBON	1K	5%	1/6W
Q103	8-729-900-89	TRANSISTOR DTC144ES	R140	1-259-428-11	CARBON	1K	5%	1/6W
Q104	8-729-900-89	TRANSISTOR DTC144ES	R141	1-259-428-11	CARBON	1K	5%	1/6W
Q105	8-729-900-89	TRANSISTOR DTC144ES	R142	1-259-428-11	CARBON	1K	5%	1/6W
Q106	8-729-900-80	TRANSISTOR DTC114ES	R143	1-259-452-11	CARBON	10K	5%	1/6W
Q107	8-729-801-82	TRANSISTOR 2SB1013-2	R144	1-259-452-11	CARBON	10K	5%	1/6W
Q108	8-729-900-65	TRANSISTOR DTA144ES	R145	1-259-450-11	CARBON	8.2K	5%	1/6W
Q109	8-729-119-76	TRANSISTOR 2SA1175-HFE	R146	1-259-496-11	CARBON	680K	5%	1/6W
Q110	8-729-900-36	TRANSISTOR DTC124ES	R147	1-259-476-11	CARBON	100K	5%	1/6W
Q401	8-729-900-80	TRANSISTOR DTC114ES	R148	1-259-404-11	CARBON	100	5%	1/6W
Q402	8-729-900-80	TRANSISTOR DTC114ES	R149	1-259-404-11	CARBON	100	5%	1/6W
Q451	8-729-900-80	TRANSISTOR DTC114ES	R150	1-259-432-11	CARBON	1.5K	5%	1/6W
Q452	8-729-900-80	TRANSISTOR DTC114ES	R151	1-259-456-11	CARBON	15K	5%	1/6W
Q453	8-729-900-80	TRANSISTOR DTC114ES	R152	1-259-476-11	CARBON	100K	5%	1/6W
Q501	8-729-119-78	TRANSISTOR 2SC2785-HFE	R153	1-259-478-11	CARBON	120K	5%	1/6W
Q502	8-729-140-97	TRANSISTOR 2SB734-34	R154	1-259-450-11	CARBON	8.2K	5%	1/6W
Q701	8-729-119-76	TRANSISTOR 2SA1175-HFE	R155	1-259-452-11	CARBON	10K	5%	1/6W
R101	1-259-428-11	CARBON 1K 5%	R156	1-259-470-11	CARBON	56K	5%	1/6W
R102	1-259-428-11	CARBON 1K 5%	R157	1-259-500-11	CARBON	1M	5%	1/6W
R103	1-259-428-11	CARBON 1K 5%	R158	1-259-404-11	CARBON	100	5%	1/6W
			R159	1-259-404-11	CARBON	100	5%	1/6W
			R160	1-259-452-11	CARBON	10K	5%	1/6W

Ref.No.	Part No.	Description			
R161	1-259-470-11	CARBON	56K	5%	1/6W
R162	1-259-456-11	CARBON	15K	5%	1/6W
R163	1-259-476-11	CARBON	100K	5%	1/6W
R164	1-259-475-11	CARBON	91K	5%	1/6W
R165	1-259-428-11	CARBON	1K	5%	1/6W
R166	1-259-447-11	CARBON	6.2K	5%	1/6W
R167	1-259-493-11	CARBON	510K	5%	1/6W
R168	1-259-492-11	CARBON	470K	5%	1/6W
R169	1-259-476-11	CARBON	100K	5%	1/6W
R170	1-259-428-11	CARBON	1K	5%	1/6W
R171	1-259-478-11	CARBON	120K	5%	1/6W
R172	1-259-442-11	CARBON	3.9K	5%	1/6W
R173	1-259-478-11	CARBON	120K	5%	1/6W
R174	1-259-478-11	CARBON	120K	5%	1/6W
R175	1-259-433-11	CARBON	1.6K	5%	1/6W
R176	1-259-442-11	CARBON	3.9K	5%	1/6W
R177	1-259-461-11	CARBON	24K	5%	1/6W
R178	1-259-467-11	CARBON	43K	5%	1/6W
R179	1-259-456-11	CARBON	15K	5%	1/6W
R180	1-259-452-11	CARBON	10K	5%	1/6W
R181	1-259-460-11	CARBON	22K	5%	1/6W
R182	1-259-422-11	CARBON	560	5%	1/6W
R183	1-259-464-11	CARBON	33K	5%	1/6W
R184	1-259-472-11	CARBON	68K	5%	1/6W
R185	1-259-452-11	CARBON	10K	5%	1/6W
R186	1-215-469-00	METAL	100K	1%	1/6W
R187	1-215-469-00	METAL	100K	1%	1/6W
R188	1-259-500-11	CARBON	1M	5%	1/6W
R189	1-259-459-11	CARBON	20K	5%	1/6W
R190	1-259-476-11	CARBON	100K	5%	1/6W
R191	1-259-452-11	CARBON	10K	5%	1/6W
R192	1-259-500-11	CARBON	1M	5%	1/6W
R193	1-259-452-11	CARBON	10K	5%	1/6W
R194	1-259-452-11	CARBON	10K	5%	1/6W
R195	1-259-403-11	CARBON	91	5%	1/6W
R196	1-259-450-11	CARBON	8.2K	5%	1/6W
R197	1-259-388-11	CARBON	22	5%	1/6W
R198	1-259-428-11	CARBON	1K	5%	1/6W
R199	1-259-458-11	CARBON	18K	5%	1/6W
R200	1-259-458-11	CARBON	18K	5%	1/6W
R201	1-259-444-11	CARBON	4.7K	5%	1/6W
R203	1-259-444-11	CARBON	4.7K	5%	1/6W
R204	1-259-492-11	CARBON	470K	5%	1/6W
R205	1-259-492-11	CARBON	470K	5%	1/6W
R206	1-259-450-11	CARBON	8.2K	5%	1/6W
R207	1-259-457-11	CARBON	16K	5%	1/6W
R208	1-259-436-11	CARBON	2.2K	5%	1/6W
R209	1-259-436-11	CARBON	2.2K	5%	1/6W
R211	1-259-436-11	CARBON	2.2K	5%	1/6W
R212	1-259-436-11	CARBON	2.2K	5%	1/6W
R213	1-259-436-11	CARBON	2.2K	5%	1/6W
R215	1-259-420-11	CARBON	470	5%	1/6W
R216	1-259-420-11	CARBON	470	5%	1/6W
R217	1-259-500-11	CARBON	1M	5%	1/6W
R218	1-259-500-11	CARBON	1M	5%	1/6W
R219	1-259-428-11	CARBON	1K	5%	1/6W
R220	1-259-428-11	CARBON	1K	5%	1/6W

Ref.No.	Part No.	Description			
R221	1-259-452-11	CARBON	10K	5%	1/6W
R222	1-259-428-11	CARBON	1K	5%	1/6W
R223	1-259-428-11	CARBON	1K	5%	1/6W
R224	1-259-428-11	CARBON	1K	5%	1/6W
R225	1-259-428-11	CARBON	1K	5%	1/6W
R226	1-259-428-11	CARBON	1K	5%	1/6W
R227	1-259-436-11	CARBON	2.2K	5%	1/6W
R228	1-259-404-11	CARBON	100	5%	1/6W
R229	1-247-713-11	CARBON	1K	5%	1/4W
R230	1-259-476-11	CARBON	100K	5%	1/6W
R231	1-259-476-11	CARBON	100K	5%	1/6W
R235	1-259-476-11	CARBON	100K	5%	1/6W
R236	1-259-451-11	CARBON	9.1K	5%	1/6W
R255	1-259-485-11	CARBON	240K	5%	1/6W
R301	1-249-782-11	CARBON	150	5%	1/6W
R302	1-259-452-11	CARBON	10K	5%	1/6W
R303	1-259-500-11	CARBON	1M	5%	1/6W
R304	1-259-435-11	CARBON	2K	5%	1/6W
R305	1-259-435-11	CARBON	2K	5%	1/6W
R306	1-259-435-11	CARBON	2K	5%	1/6W
R307	1-259-435-11	CARBON	2K	5%	1/6W
R308	1-259-435-11	CARBON	2K	5%	1/6W
R309	1-259-435-11	CARBON	2K	5%	1/6W
R310	1-259-435-11	CARBON	2K	5%	1/6W
R401	1-259-500-11	CARBON	1M	5%	1/6W
R402	1-259-404-11	CARBON	100	5%	1/6W
R403	1-259-438-11	CARBON	2.7K	5%	1/6W
R404	1-259-452-11	CARBON	10K	5%	1/6W
R405	1-259-452-11	CARBON	10K	5%	1/6W
R406	1-259-438-11	CARBON	2.7K	5%	1/6W
R407	1-259-442-11	CARBON	3.9K	5%	1/6W
R408	1-259-448-11	CARBON	6.8K	5%	1/6W
R409	1-249-782-11	CARBON	150	5%	1/6W
R410	1-259-412-11	CARBON	220	5%	1/6W
R451	1-259-412-11	CARBON	220	5%	1/6W
R452	1-259-412-11	CARBON	220	5%	1/6W
R453	1-259-412-11	CARBON	220	5%	1/6W
R458	1-259-448-11	CARBON	6.8K	5%	1/6W
R459	1-259-448-11	CARBON	6.8K	5%	1/6W
R460	1-259-458-11	CARBON	18K	5%	1/6W
R501	△.1-212-853-00	FUSIBLE	6.8	5%	1/2W
R506	△.1-217-997-11	FUSIBLE	10	5%	1/2W
R507	1-259-612-11	CARBON	240K	1%	1/2W
R508	1-259-608-11	CARBON	160K	1%	1/2W
R509	1-259-581-11	CARBON	12K	1%	1/2W
R510	1-259-587-11	CARBON	22K	1%	1/2W
R511	1-259-549-11	CARBON	560	1%	1/2W
R512	1-259-571-11	CARBON	4.7K	1%	1/2W
R513	1-259-587-11	CARBON	22K	1%	1/2W
R514	1-259-531-11	CARBON	100	1%	1/2W
R515	△.1-212-974-00	FUSIBLE	47	5%	1/2W
R601	1-247-706-11	CARBON	330	5%	1/4W
R651	1-247-152-00	CARBON	8.2K	5%	1/4W
R701	1-247-725-11	CARBON	10K	5%	1/4W
R702	1-247-725-11	CARBON	10K	5%	1/4W
R703	1-259-500-11	CARBON	1M	5%	1/6W
R704	1-259-428-11	CARBON	1K	5%	1/6W



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

Ref.No.	Part No.	Description			
R705	1-259-428-11	CARBON	1K	5%	1/6W
R706	1-259-428-11	CARBON	1K	5%	1/6W
R707	1-259-500-11	CARBON	1M	5%	1/6W
R708	1-259-428-11	CARBON	1K	5%	1/6W
R709	1-259-452-11	CARBON	10K	5%	1/6W
R710	1-259-428-11	CARBON	1K	5%	1/6W
R711	1-259-436-11	CARBON	2.2K	5%	1/6W
R712	1-259-445-11	CARBON	5.1K	5%	1/6W
R713	1-259-444-11	CARBON	4.7K	5%	1/6W
R714	1-259-420-11	CARBON	470	5%	1/6W
R715	1-259-500-11	CARBON	1M	5%	1/6W
R716	1-259-416-11	CARBON	330	5%	1/6W
R717	1-259-428-11	CARBON	1K	5%	1/6W
R718	1-249-556-11	CARBON	1.5K	5%	1/4W
R719	1-259-452-11	CARBON	10K	5%	1/6W
R720	1-259-464-11	CARBON	33K	5%	1/6W
R721	1-259-428-11	CARBON	1K	5%	1/6W
R722	1-259-476-11	CARBON	100K	5%	1/6W
R723	1-259-428-11	CARBON	1K	5%	1/6W
R724	1-259-428-11	CARBON	1K	5%	1/6W
R725	1-259-428-11	CARBON	1K	5%	1/6W
R726	1-259-428-11	CARBON	1K	5%	1/6W
R727	1-259-428-11	CARBON	1K	5%	1/6W
R728	1-259-428-11	CARBON	1K	5%	1/6W
R729	1-247-706-11	CARBON	330	5%	1/4W
R730	1-247-706-11	CARBON	330	5%	1/4W
R731	1-259-428-11	CARBON	1K	5%	1/6W
R732	1-259-428-11	CARBON	1K	5%	1/6W
R733	1-259-428-11	CARBON	1K	5%	1/6W
R734	1-247-713-11	CARBON	1K	5%	1/4W
R735	1-259-428-11	CARBON	1K	5%	1/6W
R740	1-259-401-11	CARBON	75	5%	1/6W
R741	1-259-401-11	CARBON	75	5%	1/6W
RV101	1-228-990-00	RES, ADJ, METAL GLAZE 1K (RF PLL)			
RV102	1-228-995-00	RES, ADJ, METAL GLAZE 22K (FOCUS GAIN)			
RV103	1-228-995-00	RES, ADJ, METAL GLAZE 22K (TRACKING GAIN)			
RV104	1-228-993-00	RES, ADJ, METAL GLAZE 4.7K (FOCUS BIAS)			
RV105	1-228-995-00	RES, ADJ, METAL GLAZE 22K (E-F BALANCE)			
RV601	1-224-252-XX	RES, ADJ, METAL GLAZE 10K (TWIN LINK)			
RV701	1-224-254-XX	RES, ADJ, METAL GLAZE 47K (INTERFACE PHASE ADJ)			

Ref.No.	Part No.	Description
S51	1-571-736-11	SWITCH, LEAF (LOAD IN DET)
S61	1-571-300-21	SWITCH, ROTARY (LOAD OUT DET)
S401	1-553-856-00	SWITCH, KEY BOARD (AMS)
S402	1-553-856-00	SWITCH, KEY BOARD (AMS)
S403	1-570-472-11	SWITCH, KEY BOARD (OPEN/CLOSE)
S404	1-570-472-11	SWITCH, KEY BOARD (PLAY)
S405	1-570-472-11	SWITCH, KEY BOARD (PAUSE)
S406	1-570-472-11	SWITCH, KEY BOARD (STOP)
S451	1-553-856-00	SWITCH, KEY BOARD (COAXIAL)
S452	1-553-856-00	SWITCH, KEY BOARD (OPTICAL)
S453	1-553-856-00	SWITCH, KEY BOARD (TWIN LINK)
S501	△,1-554-538-00	SWITCH, PUSH (AC POWER)(1 KEY)(POWER)
T501	△,1-450-195-11	TRANSFORMER, POWER
X101	1-567-686-11	OSCILLATOR, CERAMIC (4MHz)
X301	1-567-686-11	OSCILLATOR, CERAMIC (4MHz)
X401	1-567-686-11	OSCILLATOR, CERAMIC (4MHz)
X701	1-577-719-11	VIBRATOR, CRYSTAL (11.2896MHz)
X702	1-466-263-11	OSCILLATION UNIT (22.5792MHz)

ACCESSORY & PACKING MATERIAL

1-559-685-11	CABLE, CONNECTION
1-465-315-11	REMOTE COMMANDER
2-394-123-11	COVER, BATTERY
3-751-252-11	MANUAL, INSTRUCTION
*4-924-262-01	CUSHION
*4-941-362-01	INDIVIDUAL CARTON
*4-941-548-01	LABEL, CLASS 1

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

