

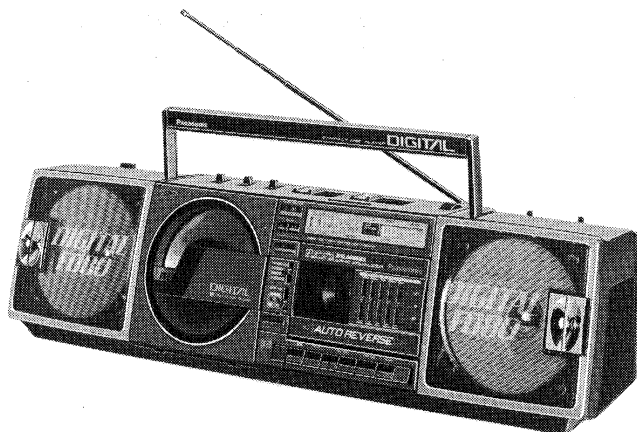
Service Manual

Radio Cassette

Stereo Radio Cassette Recorder **RX-FD80F**

(Black)

COMPACT
disc
 DIGITAL AUDIO

DIGITAL


This is the Service Manual
for the following areas.

X ... For Asia, Latin
America, Middle
East and Africa,
areas.

XC ... For Saudi Arabia.

RX-C48 MECHANISM SERIES

■ SPECIFICATIONS

General:

Power Requirement: AC; 110~127/200~220/230~250V,
50/60Hz
Battery; 15V (Ten "D" Size Flashlight
Batteries)
(National UM-1 or
equivalent)

Power Consumption: 45W (AC only)

Power Output: 50W (25W × 2) PMPO
22W (11W × 2) RMS (max)

Speaker: Woofer; (14cm) PM Dynamic
Speaker (2.7Ω)

Tweeter; (2.2cm) Ceramic
Speaker (1kΩ)

Input: MIX MIC; sensitivity 5mV
applicable microphone
impedance 200~600Ω φ3.5

Output: Line in; sensitivity 200mV/47kΩ over
Line out; sensitivity 420mV/4.7kΩ
under

Headphones; 32Ω (8~50Ω) φ3.5
Dimensions: 588mm(W) × 161mm(H) × 174mm(D)
Weight: 5.1kg without batteries

Disc Player Section:

Sampling Frequency: 44.1kHz
D-A Conversion: 16-bit linear
Pickup: FF-1 (Fine focus • 1 beam)
Light Source: Semiconductor laser
(wavelength 780nm)

No. of Channels: 2 channels, stereo
Frequency Response: 20~20,000Hz (±3dB)
Dynamic Range: 90dB (1kHz)
S/N Ratio: 90dB (1kHz)
Wow and Flutter: below measurable limit

Radio Section:

Radio Frequency Range: FM; 88~108MHz
MW; 530~1605kHz (566~187m)
SW1; 2.3~7.0MHz (130~42.8m)
SW2; 7.0~22MHz (42.8~13.6m)

Intermediate Frequency: FM; 10.7MHz
AM (MW/SW1/SW2); 455kHz

Sensitivity: FM; 3.2μV/50mW output
(-3dB limit sens.)
MW; 100μV/m/50mW output
SW1; 79μV/m/50mW output
SW1; 5.6μV/50mW output

Tape Deck Section:

Frequency Response: 30~16,000Hz (with normal tape)
30~16,000Hz (with CrO₂ tape)

Recording System: AC bias, AC erase

Tape Speed: 1 7/8 ips (4.8cm/s)

Track System: 4-track 2 channel stereo recording
and playback

Design and specifications are subject to change without notice.

National

Matsushita Electric Trading Co., Ltd.
P.O. Box 288, Central Osaka Japan

CONTENTS

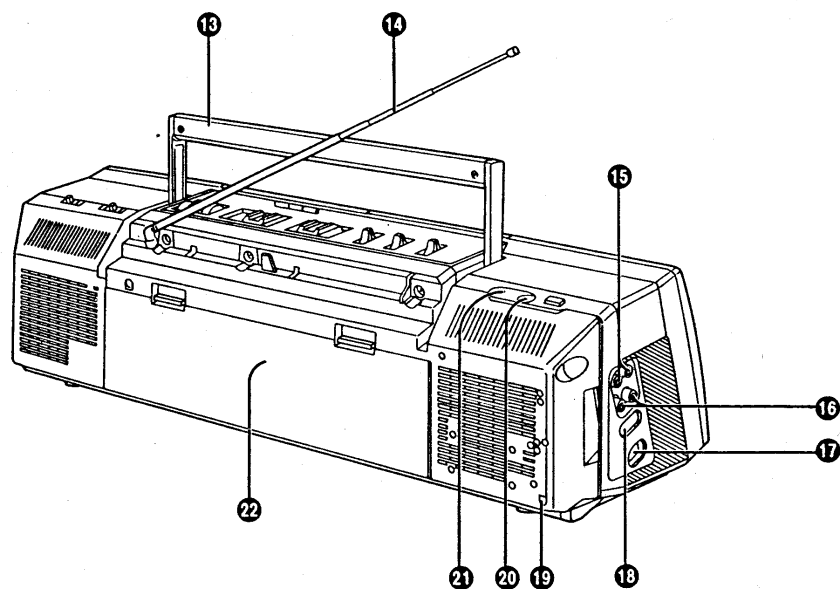
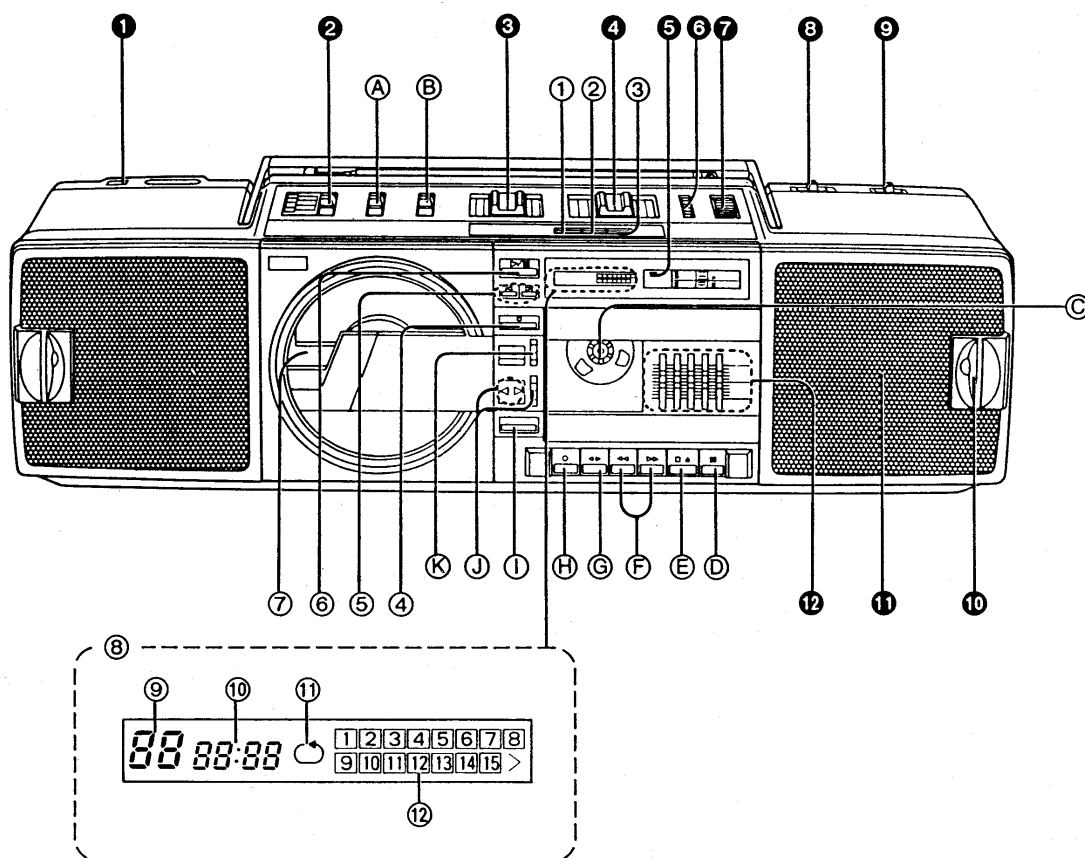
ITEM	PAGE	ITEM	PAGE
• Precaution of Laser Diode.....	2	• Circuit Board (CD Player Section).....	25, 26
• Location of Controls and Components.....	3, 4	• Wiring Connection Diagram ..	27, 28
• Cleaning of Lens.....	5	• Measurements and Adjustments	
• Handling Precautions for Optical Pickup.....	5	(Radio and Tape Section).....	29~31
• Disassembly Instructions	6~9	• Measurements and Adjustments (CD Player Section)	32, 33
• Schematic Diagram (Tuner Section)	10, 11	• RX-FD80 Impedance Parts.....	33
• Schematic Diagram (G. EQ Section)	12	• Accessory and Packing Materials.....	33
• Schematic Diagram (Main Section)	13~17	• Exploded Views (CD Player Section).....	34
• Circuit Boards (Main/Tuner Circuit Board)	18~20	• Cabinet Parts Location	35, 36
• Schematic Diagram (CD Player Section).....	21~24	• Mechanism Parts Location (Tape Deck Section)	37, 38
		• Parts List	39~42

PRECAUTION OF LASER DIODE

CAUTION:

THIS PRODUCT UTILIZES A LASER.
USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE
SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

LOCATION OF CONTROLS AND COMPONENTS



RADIO/GENERAL CONTROLS

- ① Power Switch (POWER)
- ② Function Selector (SELECTOR)
- ③ Balance Control (BALANCE)
- ④ Volume Control (VOLUME)
- ⑤ FM Stereo Indicator (FM STEREO)
- ⑥ Fine Tuning Control (FINE TUNING)
- ⑦ Tuning Control (TUNING)
- ⑧ Band Selector (BAND)
- ⑨ Mode Selector/Beat Proof Switch (MODE/B.P)
- ⑩ Speakers [Tweeter] 2.2 cm (1 k Ω)
- ⑪ Speakers [Woofer] 14 cm (2.7 Ω)
- ⑫ Graphic Equalizer Control
- ⑬ Handle
- ⑭ Telescopic Antenna
- ⑮ Line Input Jacks (LINE IN) 200 mV/47 k Ω
- ⑯ Line Output Jacks (LINE OUT) 420 mV/4.7 k Ω
- ⑰ AC Socket (AC IN ~)
- ⑱ Headphones Jack (PHONES) 32 Ω (8~50 Ω) ϕ 3.5

When using the headphones, avoid listening to sound at excessive volume levels, which may injure your ears.

- ⑲ AC Voltage Selector (VOLTAGE SELECTOR)
- ⑳ Mixing Microphone Jack (MIX MIC) 5 mV/200~600 Ω ϕ 3.5
- ㉑ Built-in Microphone (MIC)
- ㉒ Battery Compartment

CD CONTROLS

- ① Remaining Time Button (REM TIME)
- ② Repeat Button (REPEAT)
- ③ Memory/Recall Button (MEMORY/RECALL)
- ④ Stop/Clear Button (■ STOP/CLEAR)
- ⑤ Skip/Search Buttons (◀ ▶ SKIP/SEARCH)
- ⑥ Play/Pause Button (▶/|| PLAY/PAUSE)
- ⑦ Disc Holder
- ⑧ Display Panel
- ⑨ Track Display (TRACK)
- ⑩ Time Display (TIME)
- ⑪ Repeat Indicator
- ⑫ Program Display (PROGRAM)

TAPE CONTROLS

- A Tape Selector (TAPE)
- B *Dolby Noise Reduction Switch (DOLBY NR)
- C Cassette Compartment
- D Pause Button (|| PAUSE)
- E Stop/Eject Button (■/▲ STOP/EJECT)
- F Fast/Cue Buttons (◀◀ ▶▶ FAST/CUE)
- G Playback Button (◀▶ PLAY)
- H Record Button (● [REC])
- I Synchro Record Switch (SYNCHRO TAPE & CD)
- J Direction Selector and Direction/Power/Battery Check Indicators (DIRECTION/[POWER/BATT])
- K Reverse Mode Selector (REVERSE MODE)

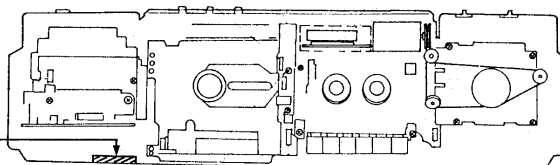
*"Dolby" and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation. Noise Reduction System manufactured under license from Dolby Laboratories Licensing Corporation.

CAUTION REGARDING

CAUTION : FOR CONTINUED PROTECTION AGAINST FIRE HAZARD, REPLACE ONLY WITH SAME TYPE 1.25A 125V FUSE.

ATTENTION : AFIN D'ASSURER UNE PROTECTION PERMANENTE CONTRE LES RISQUES D'INCENDIE, REMPLACER UNIQUEMENT PAR UN FUSIBLE DE MEME TYPE. 1.25A 125V

RQT44182A

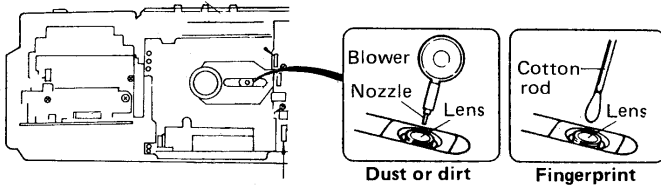


■ CLEANING OF LENS

If the lens is stained causing sound skip or operation failure, open the top cover by pressing the open button, and clean the lens.

● To remove dust or dirt

Blow the lens with the blower provided in the cleaning kit to remove dust or dirt.



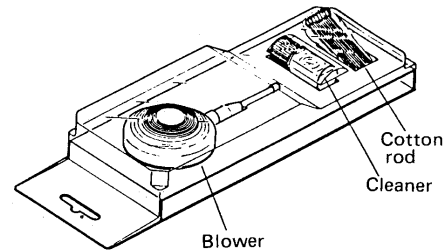
● To remove fingerprint

If the blower is not enough, moisten the cotton rod with the lens cleaner solution and wipe the lens with it from center of the lens to outside.

Cautions:

- Do not directly apply the cleaner solution to the lens. Do not apply too much solution to the cotton rod or otherwise the solution will flow into the player.
- Wipe the lens carefully. Do not give too much stress to the lens or otherwise it may scratch the lens or cause optical pickup trouble.
- If the solution should be too much applied, wipe the lens with a dry cotton rod.

Lens cleaning kit (Part No. : SZZP1038C)



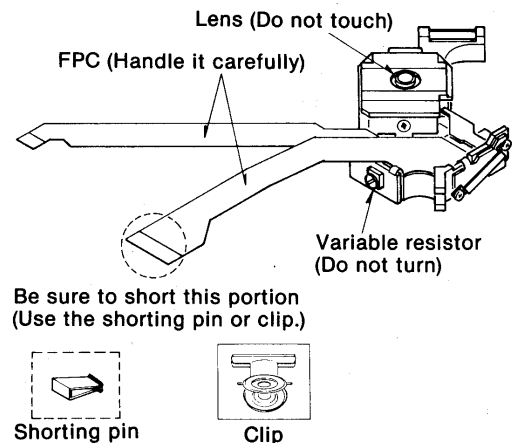
■ HANDLING PRECAUTIONS FOR OPTICAL PICKUP

The laser diode in the optical pickup may break down due to potential difference caused by static electricity of clothes or human body.

So, be careful of electrostatic breakdown during repair of the optical pickup.

● Handling of optical pickup

1. Do not give excessive shock to the optical pickup because it is of extremely high precision structure.
2. To prevent the breakdown of the laser diode, an anti-static shorting pin is inserted into the FPC.
When removing or connecting the short pin, finish the job in a short time.
3. Take care not to give excessive stress to the FPC.
4. Do not turn the variable resistor (laser power adjustment). (It has been already adjusted.)

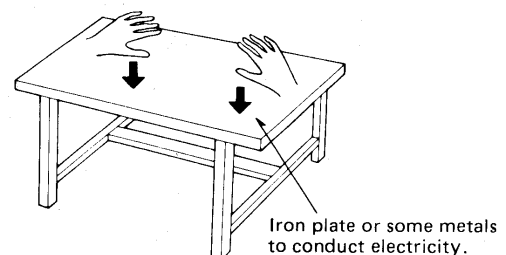
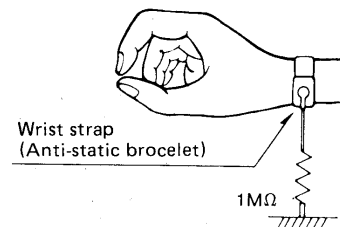


● Grounding for electrostatic breakdown prevention

1. Human body grounding
Use the anti-static wrist strap to relieve the static electricity from your body.
2. Work table grounding
Put a conductive material (sheet) or steel sheet on the area where the optical pickup is placed, and ground the sheet.

Caution:

The static electricity of your clothes will not be grounded through the wrist strap. So, take care not to let your clothes touch the optical pickup.



DISASSEMBLY INSTRUCTIONS

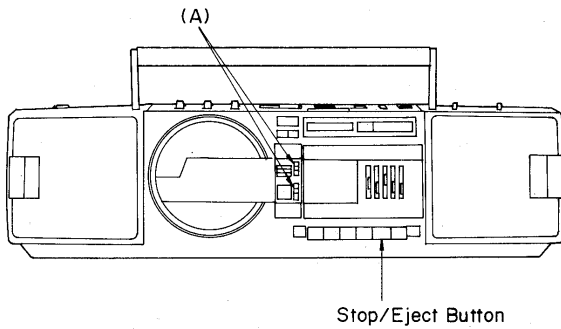


Fig. 1

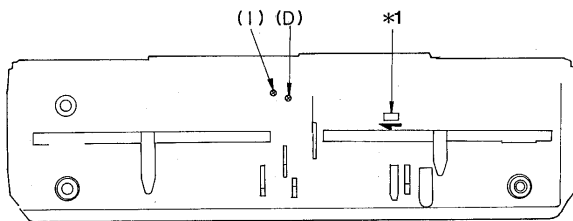


Fig. 3

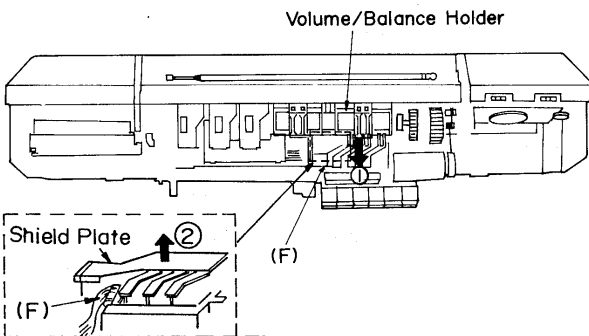


Fig. 5

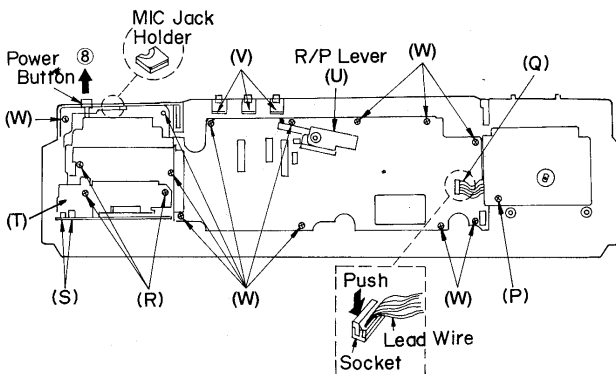


Fig. 7

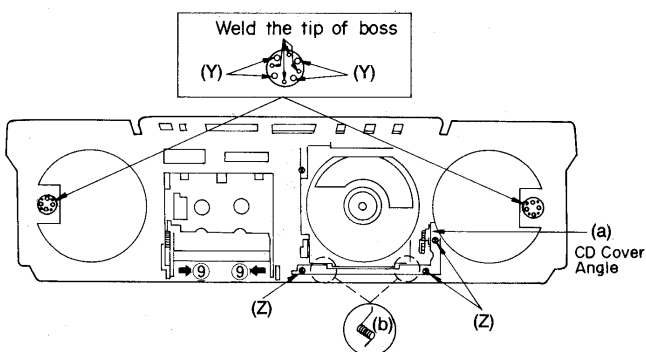


Fig. 9

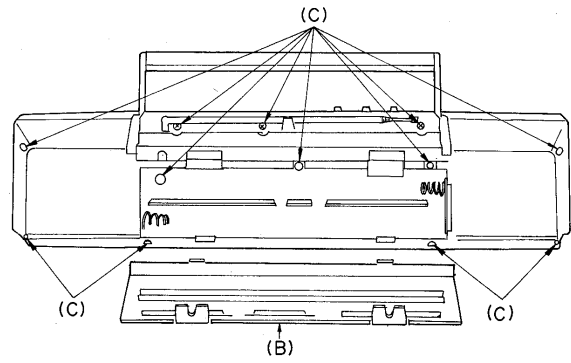


Fig. 2

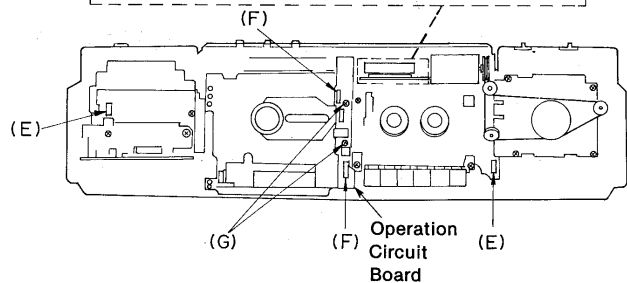
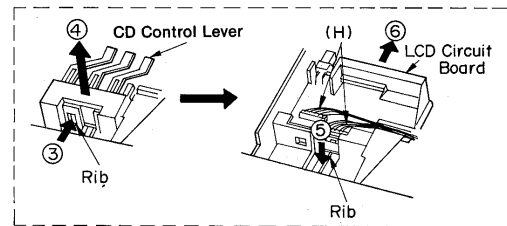


Fig. 4

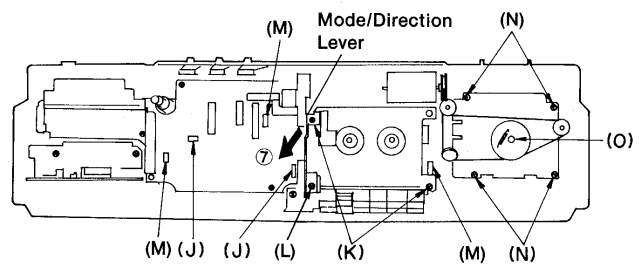


Fig. 6

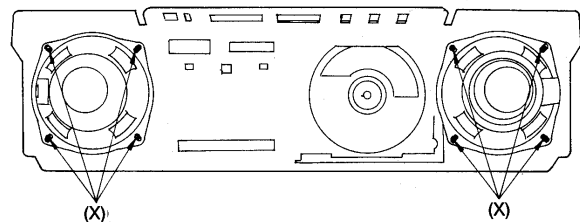


Fig. 8

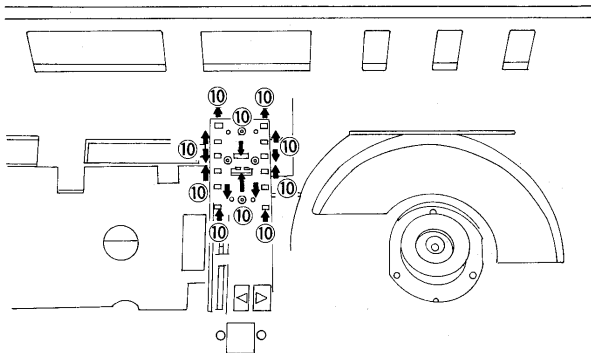


Fig. 10

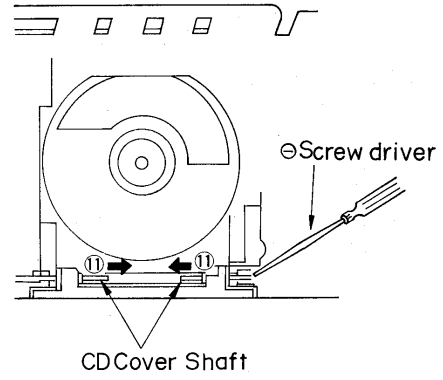


Fig. 11

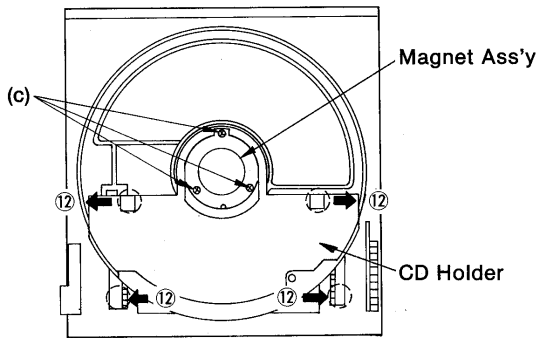


Fig. 12

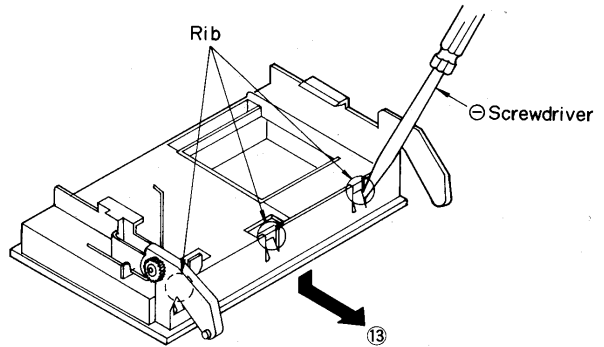


Fig. 13

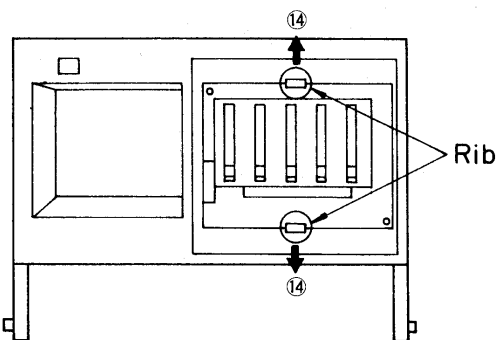


Fig. 14

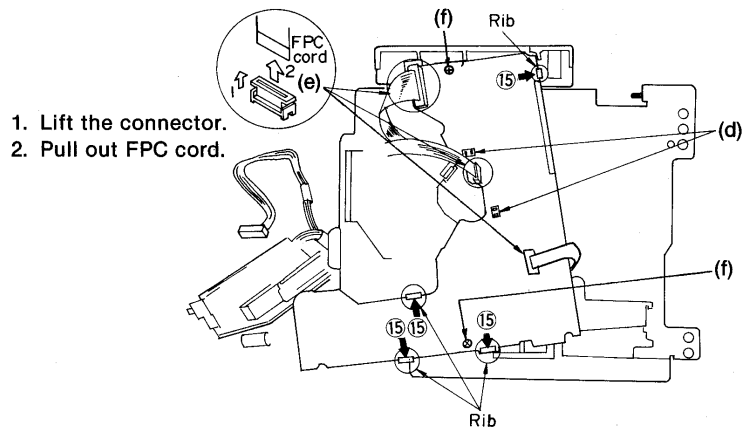


Fig. 15

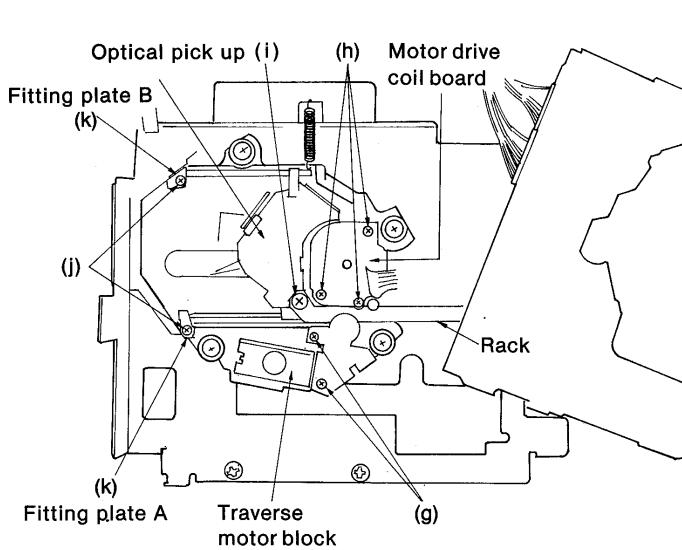


Fig. 16

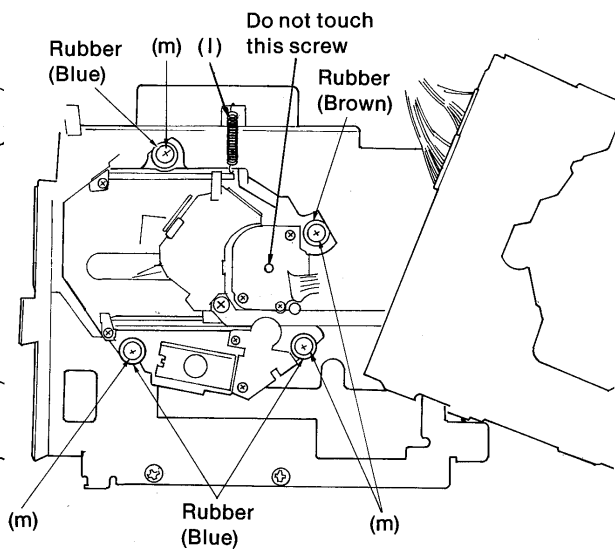


Fig. 17

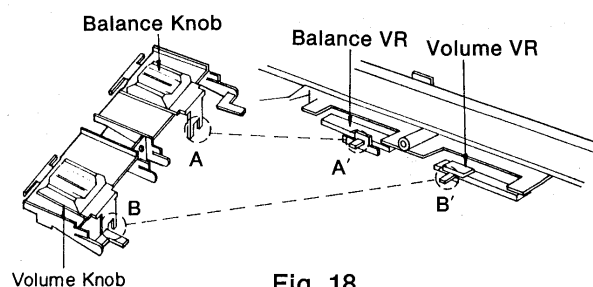


Fig. 18

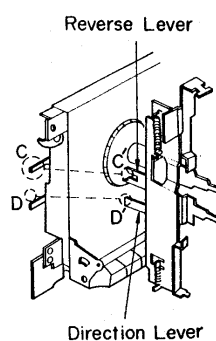


Fig. 19

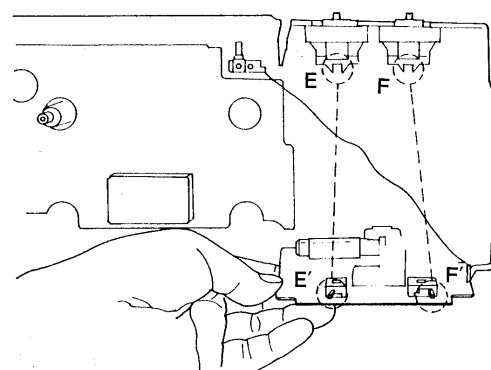


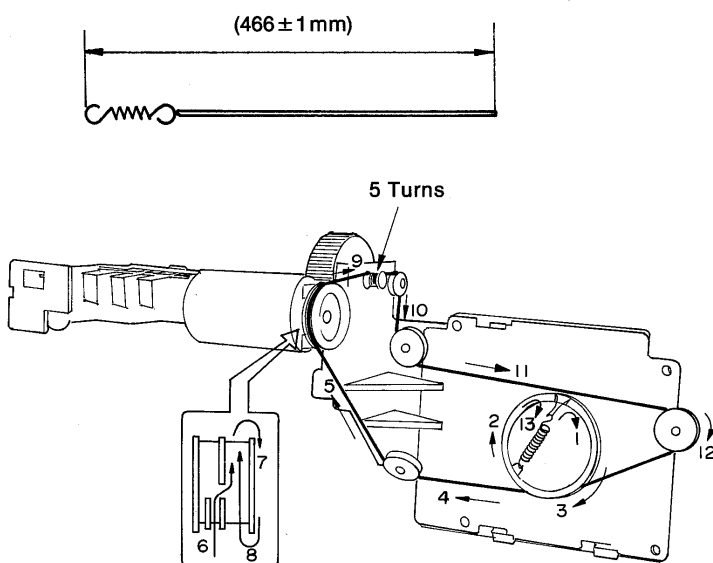
Fig. 20

Steps.	Shown in Fig. —.	To remove —.	Remove —.
1	1	Front Cabinet (*2)	Knob..... (A) × 2
2	2		Remove the battery cover..... (B) × 1
3	2		Screw (3 × 40)mm (C) × 12
4	3		Screw (3 × 8)mm (D) × 1
5	1		Push the Stop/Eject button
6	4		Socket (CP101, CP108) (E) × 2
7	5	Volume/Balance Holder (*3)	Remove the volume/balance holder in the direction of arrow ①.
8	5	Operation Circuit Board	Remove the shield plate in the direction of arrow ②.
9	4, 5		Socket (CP106, CP501, CP502) (F) × 3
10	4		Screw (3 × 6)mm (G) × 2
11	4	LCD Circuit Board	Push the rib in the direction of arrow ③ and pull out the CD control lever in the direction of the arrow ④.
12	4		Push the rib in the direction of arrow ⑤ and pull out the LCD circuit board in the direction of the arrow ⑥.
13	4		Socket (CP503, CP504) (H) × 2
14	3	Compact Disc Ass'y	Screw (3 × 8)mm (I) × 1
15	6		Socket (CP103, CP105) (J) × 2
16	6	Mechanism Ass'y (*4)	Screw (3 × 12)mm (K) × 2
17	6		Screw (3 × 4)mm (L) × 1
18	6		Remove the mode/direction lever in the direction of arrow ⑦.
19	6		Socket (CP102, CP104, CP109) (M) × 3
20	6	Dial Chassis	Screw (3 × 12)mm (N) × 4
21	6		Screw (2.6 × 5)mm with washer (O) × 1
22	7	Tuner Circuit Board (*5)	Screw (3 × 10)mm (P) × 1
23	7		Socket (CS107) (Q) × 1
24	7	Power Supply Circuit Board	Screw (3 × 12)mm (R) × 3
25	7		Socket (CP110, CP111) (S) × 2
26	7		Jack pressure angle (T) × 1
27	7	Main Circuit Board	R/P Lever (U) × 1
28	7		Switch knob holder (V) × 3
29	7		Screw (3 × 12)mm (W) × 12
30	7		Pull out the power button in the direction of arrow ⑧.

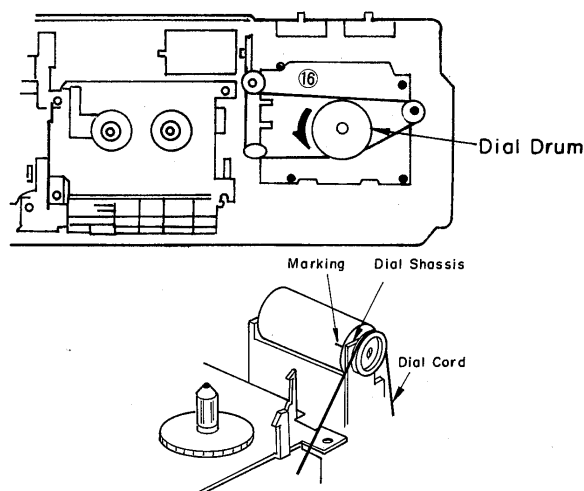
Steps.	Shown in Fig. —.	To remove —.	Remove —.
31	8	Speaker (Woofer)	Screw (3×10) (X)×8
32	9	Tweeter Ass'y (*6)	Cut the tip of boss..... (Y)×8
33	9	Cassette Holder	Push the boss in the direction of arrows ⑨ to remove it.
34	10	Operation Button	Push the rid in the direction of arrow ⑩.
35	9	CD Compartment	Screw (3×10)mm (Z)×3
36	9		Angle..... (a)×1
37	9		Spring (b)×2
38	11		Push the CD cover shaft in the direction of arrow ⑪ by used ⊖ screw driver.
39	12	CD Holder	Push the rib in the direction of arrow ⑫.
40	12	Magnet	Screw (2×4)mm (c)×3
41	13	Cassette Panel (*7)	Remove the rid with ⊖ screwdriver. Remove the cassette panel in the direction of arrow ⑬.
42	14	Graphic Equalizer Circuit Board	Push the rid in the direction of arrow ⑭.
43	15	CD Circuit Board	Socket (CN103, CN405) (d)×2
44			FPC cord (e)×3
45			Screw (1.4×5.6)mm (f)×2
46			Push the rid in the direction of arrows ⑮ to remove it.
47	16	Traverse Motor Block	Screw (2×6)mm (g)×2
48	16	Motor Drive Coil Board	Screw (2×13)mm (h)×3
49	16	Rack	Screw (i)×1
50	16	Optical Pick-up	Screw (2×6)mm (j)×2
51	16		Fitting Plate A, B (k)×2
52	17	Traverse Base	Spring (l)×1
53	17		Screw (m)×4

- (*1) When the tape is caught in the pinch roller, etc. release the tape by tuning the pulley on the motor with the screwdriver in the direction of the arrow. (Fig. 3)
- (*2) The handle is attached between the front cabinet and the rear cabinet, so the handle can be easily removed by first removing the front cabinet.
When removing the front cabinet, the microphone jack holder may come off, so be careful not to lose it. (Fig. 7)
- (*3) During installation, simultaneously fit in A and A', B and B'. (Fig. 18)
- (*4) During installation, simultaneously fit in C and C', D and D'. (Fig. 19)
- (*5) During installation, simultaneously fit in E and E', F and F'. (Fig. 20)
- (*6) When replacing the tweeter, attach the tweeter to the front cabinet by welding it to the remainder of the boss. (Fig. 9)
- (*7) The ribs on the cassette lid are extremely rigid, so be careful not to break them.

DIAL THREADING



POINT ADJUSTMENT



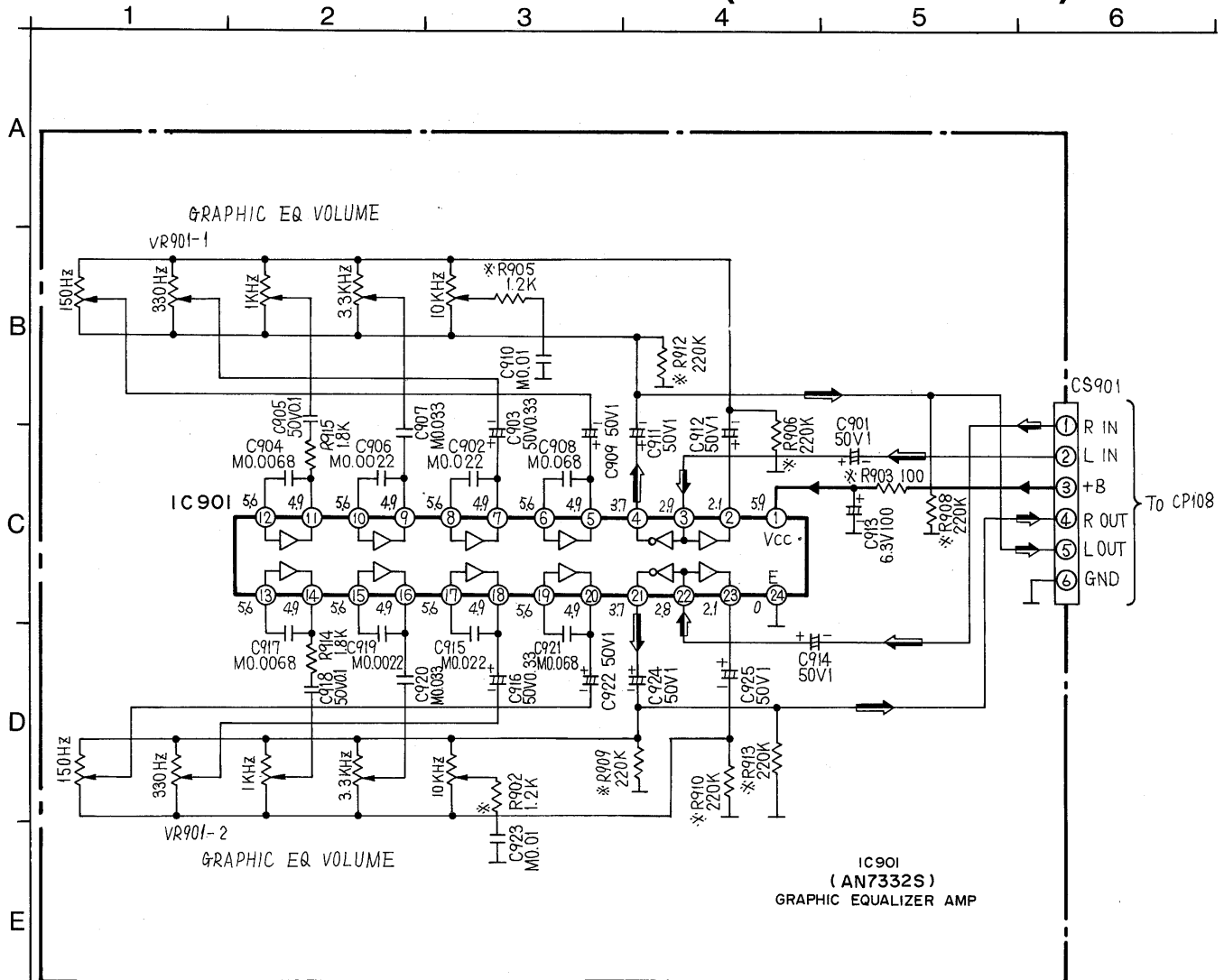
1. Turn the dial drum all the way in the direction of the arrow ⑮.
2. Line up the marking on the memory sheet with the corner of the dial chassis.

A horizontal number line with tick marks at every integer from 1 to 12. The numbers 1 through 12 are written above their respective tick marks. The segment of the line between the tick marks for 8 and 9 is shaded gray.



 + B Voltage Line
 Radio (FM) Signal Line

SCHEMATIC DIAGRAM (G. EQ SECTION)



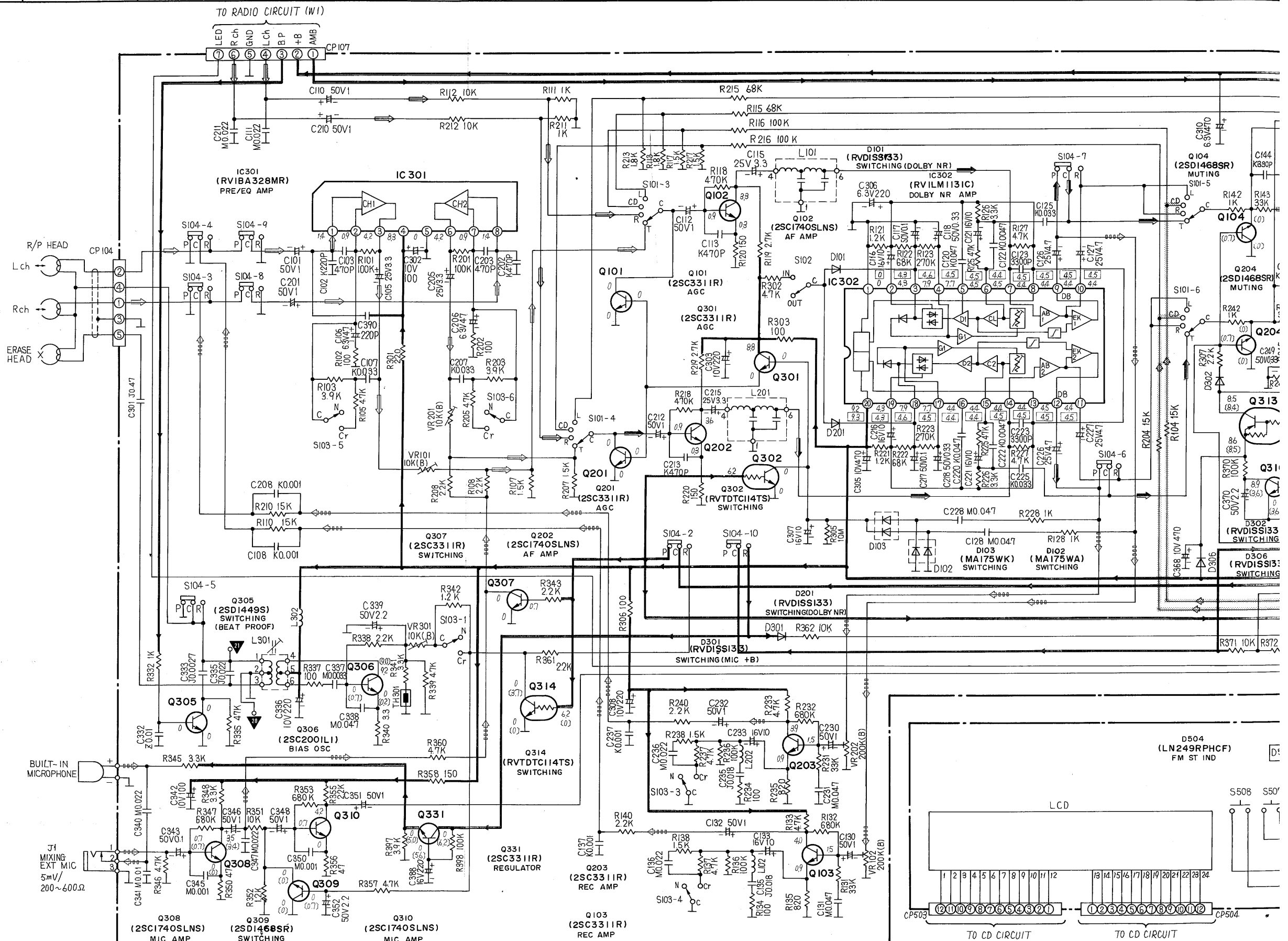
Notes:

1. VR901-1, 901-2: G. EQ Control VR.
2. (*) mark... Printed Resistor.
3. DC voltage measurements are taken with electronics voltmeter from negative terminal of battery.
No mark... Playback
4. Described in schematic diagram are two types of numbers; the supply parts number and production parts number for transistors and diodes. One type number is used for supply parts number and production parts number which they are identical.
e.g. Q1
2SC2412NRTB, LNSTB — Production parts number
(2SC2412) — Supply parts number
5. The supply parts number is described alone in the replacement parts list.

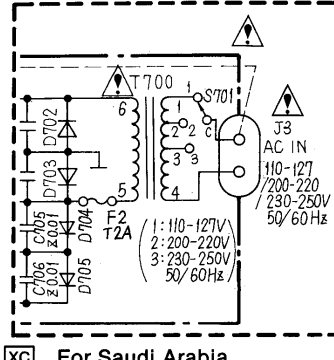
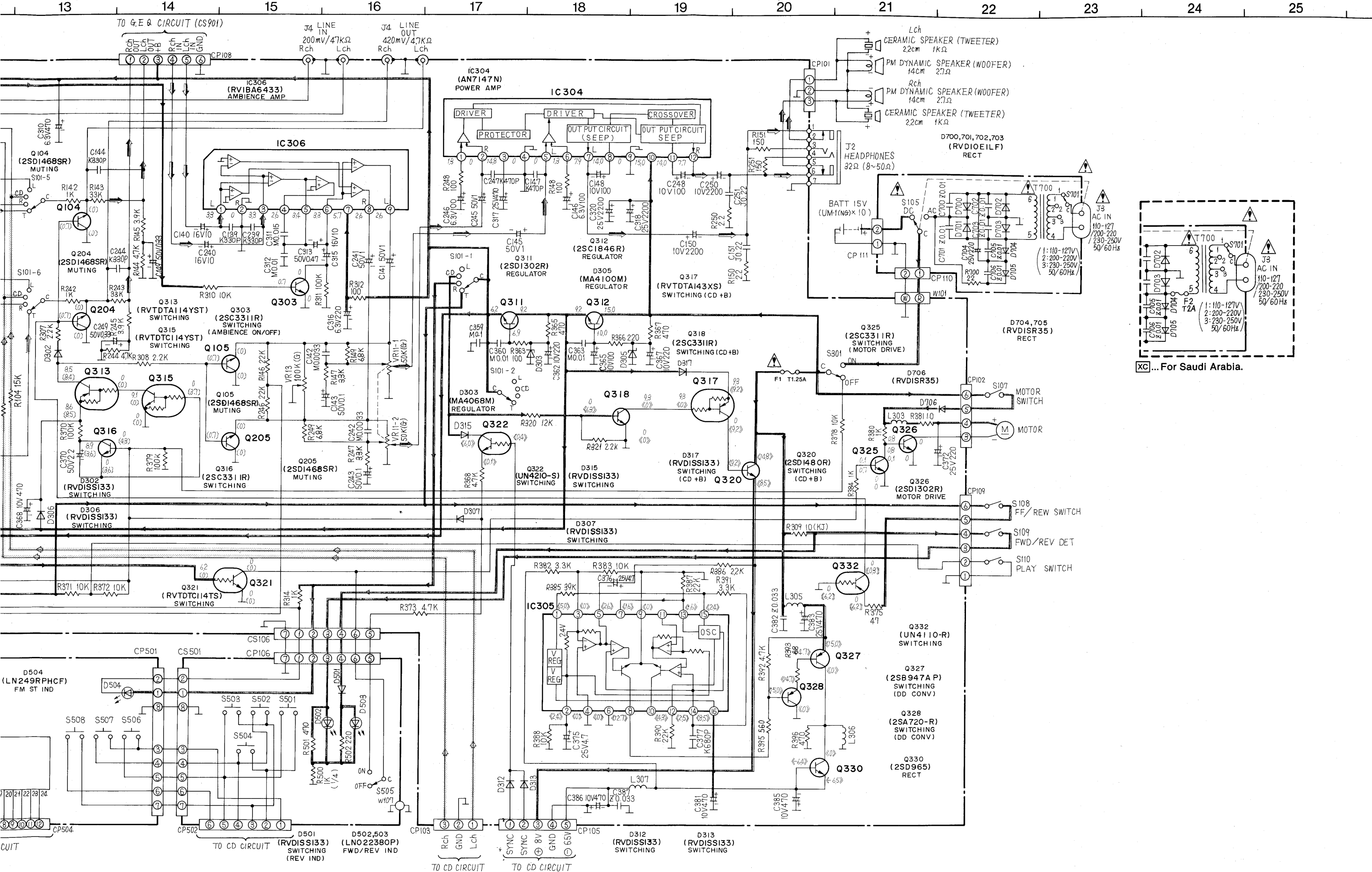
• This schematic diagram may be modified at any time with the development of new technology.

 Tape and Radio Signal Line
 +B Voltage Line

SCHEMATIC DIAGRAM (M)



GRAM (MAIN SECTION)



■ SCHEMATIC DIAGRAM (MAIN SECTION)

Notes:

- | | | |
|-----|-----------------------|--|
| 1. | S101-1~S101-6 | : Function selector switch in “Tape” position.
(L...Line, CD...CD, R...Radio, T...Tape) |
| 2. | S102 | : Dolby NR switch in “Out” position. |
| 3. | S103-1, S103-3~S103-6 | : Tape selector switch in “Normal” position.
(N...Normal, Cr...CrO ₂) |
| 4. | S104-2~S104-10 | : Record/Playback switch in “Playback” position.
(R...Record, P...Playback) |
| 5. | S105 | : AC/DC select switch in “DC” position. |
| 6. | S107 | : Motor switch in “OFF” position. |
| 7. | S108 | : FF/REW switch in “OFF” position. |
| 8. | S109 | : FWD/REV DET switch in “OFF” position. |
| 9. | S110 | : Play switch in “OFF” position. |
| 10. | S301 | : Power switch in “OFF” position. |
| 11. | S501 | : Play/Pause switch in “OFF” position. |
| 12. | S502 | : FF skip/Search switch in “OFF” position. |
| 13. | S503 | : REW skip/Search switch in “OFF” position. |
| 14. | S504 | : Stop/Clear switch in “OFF” position. |
| 15. | S505 | : Synchro record switch in “OFF” position. |
| 16. | S506 | : Remaining Time switch in “OFF” position. |
| 17. | S507 | : Repeat switch in “OFF” position. |
| 18. | S508 | : Memory/Recall switch in “OFF” position. |
| 19. | S701 | : Voltage select switch. |
| 20. | VR11-1, 11-2 | : Volume control VR. |
| 21. | VR13 | : Balance control VR. |
| 22. | VR101, 201 | : Playback Level adjustment VR. |
| 23. | VR102, 202 | : Record/Playback gain adjustment VR. |
| 24. | VR301 | : Rec Bias adjustment VR. |

25. DC voltage measurements are taken with electronics voltmeter from negative terminal of battery.

[]...Record, No mark...Playback
 ⏮ ⏭...CD Play, [[]]...FF/REW, ☐...Dolby IN

26. Battery current: No signal (FM).....	136 mA
No signal (AM).....	122 mA
Maximum output (FM).....	590 mA
Maximum output (AM).....	530 mA
Maximum output (PLAY).....	1050 mA
Maximum output (CrO ₂ REC).....	1138 mA
Maximum output (CD).....	1630 mA

27. Described in schematic diagram are two types of numbers; the supply parts number and production parts number for transistors and diodes. One type number is used for supply parts number and production parts number which they are identical.

e.g. Q1
2SC2412NRTB, LNSTB—Production parts number
(2SC2412)———Supply parts number

28. The supply parts number is described alone in the replacement parts list.

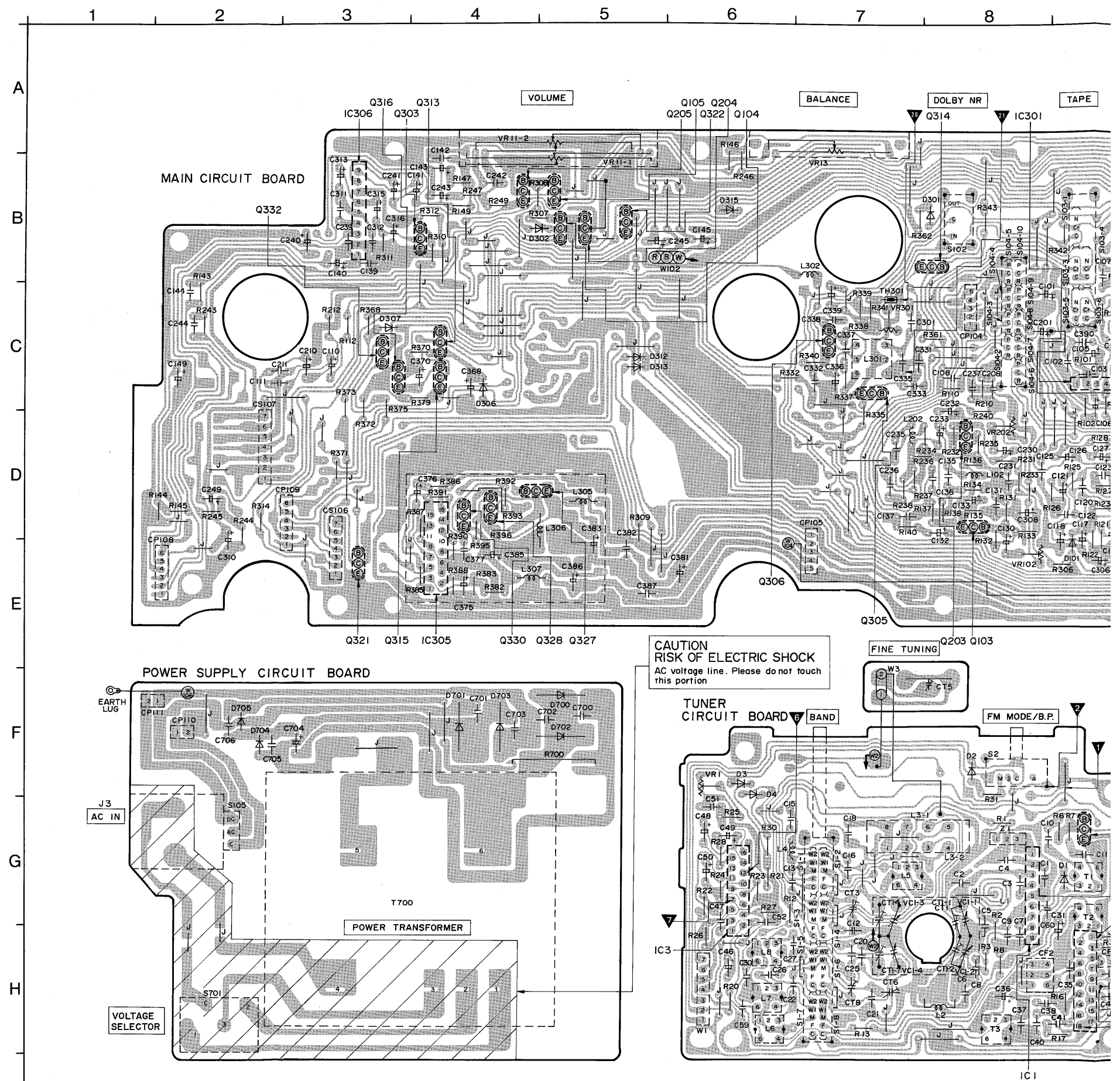
29. The mark (▼) shows test point. e.g. ▼₁=test point 1.

30. Important safety notice
Components identified by  mark have special characteristics important for safety.

When replacing any of these components, use only manufacturer's specified parts.

- **This schematic diagram may be modified at any time with the development of new technology.**

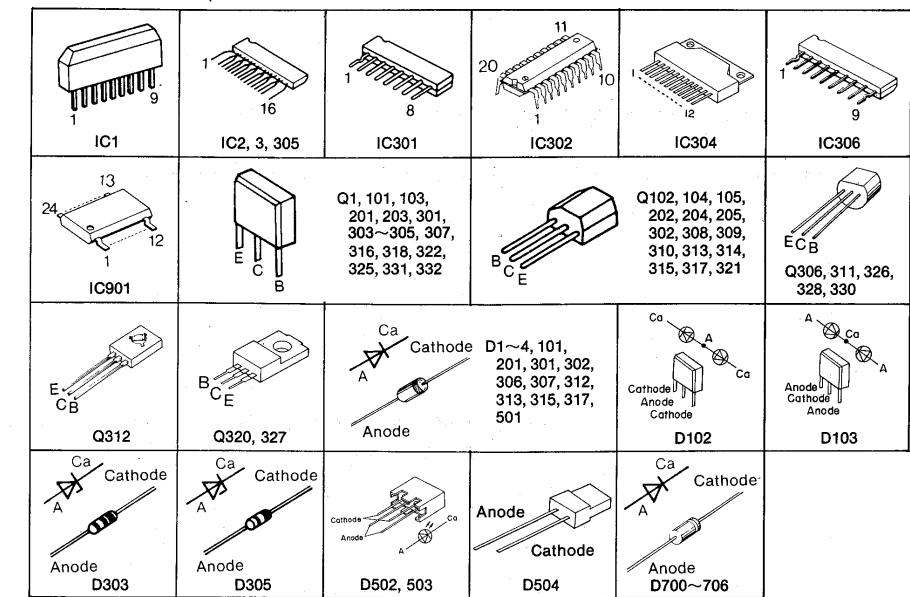
-  Tape (PLAY) Signal Line
-  Tape (RECORD) Signal Line
-  Tape and Radio Signal Line
-  +B Voltage Line
-  Audio Signal Line (CD)
-  Radio (FM) Signal Line



[XC]... For Saudi Arabia.

— 18 —

A horizontal number line starting at 8 and ending at 20. There are tick marks at every integer from 8 to 20, with the numbers 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, and 20 labeled above the line.



POWER SUPPLY CIRCUIT BOARD

The diagram illustrates the internal layout of the power supply circuit board. Key components and their locations are as follows:

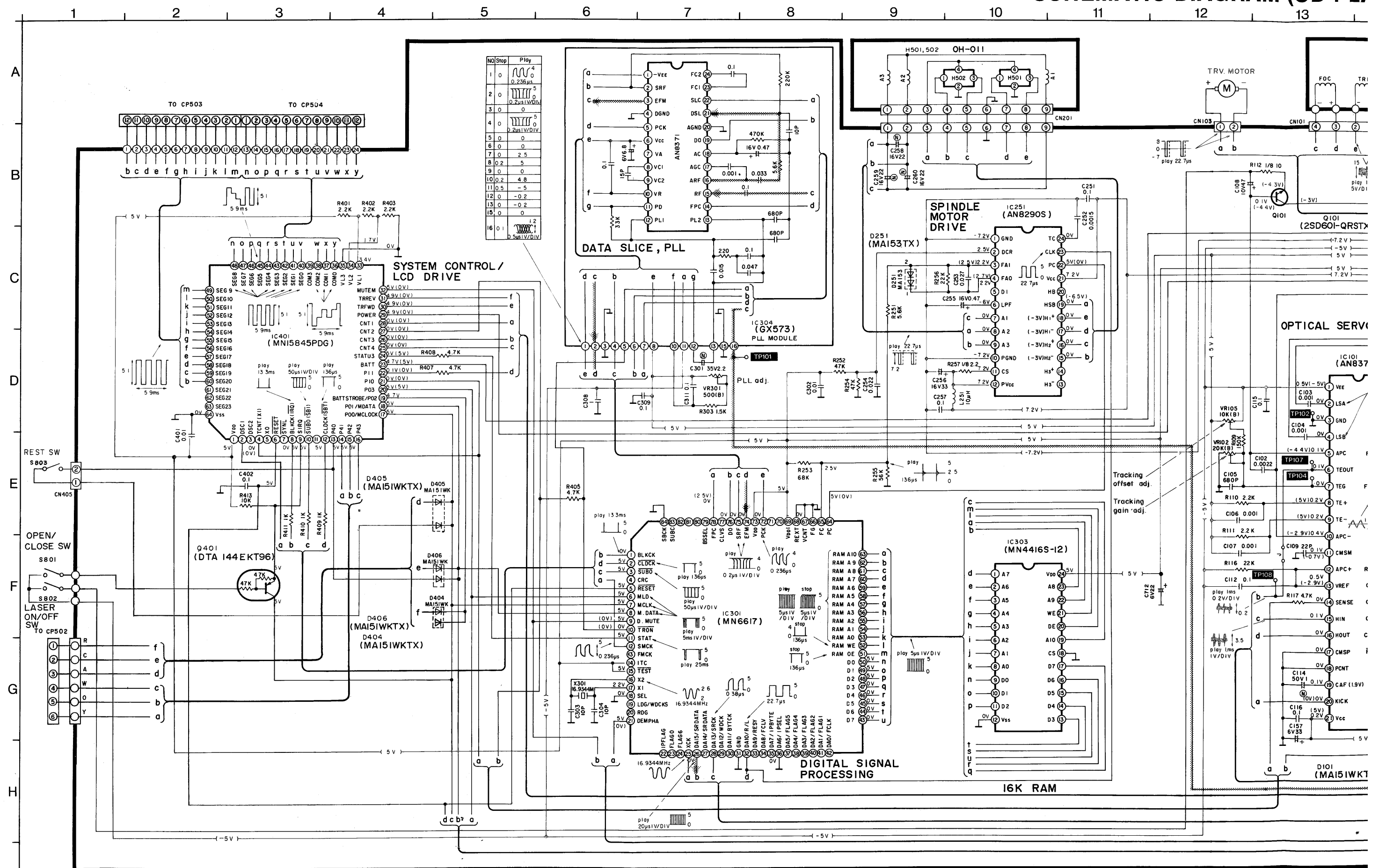
- Input Section:** J3 AC IN is located at the bottom left. An EARTH LUG is at the top left.
- Filtering and Regulation:** A fuse (F1) and transformer (T2A) are centrally located. Diodes D701, D702, and D703 are part of the rectifier and regulation circuit. Capacitors C701, C702, C703, C704, C705, and C706 are distributed throughout the circuit for filtering and timing.
- Control and Monitoring:** Components like CPIII and CPIIO are located near the top left. Test points J and K are marked for monitoring.
- Output and Protection:** A resistor R700 is located near the bottom right, likely for current limiting or sensing.

The board is divided into two main sections, labeled 5 and 6, which likely correspond to different functional blocks or manufacturing stages.

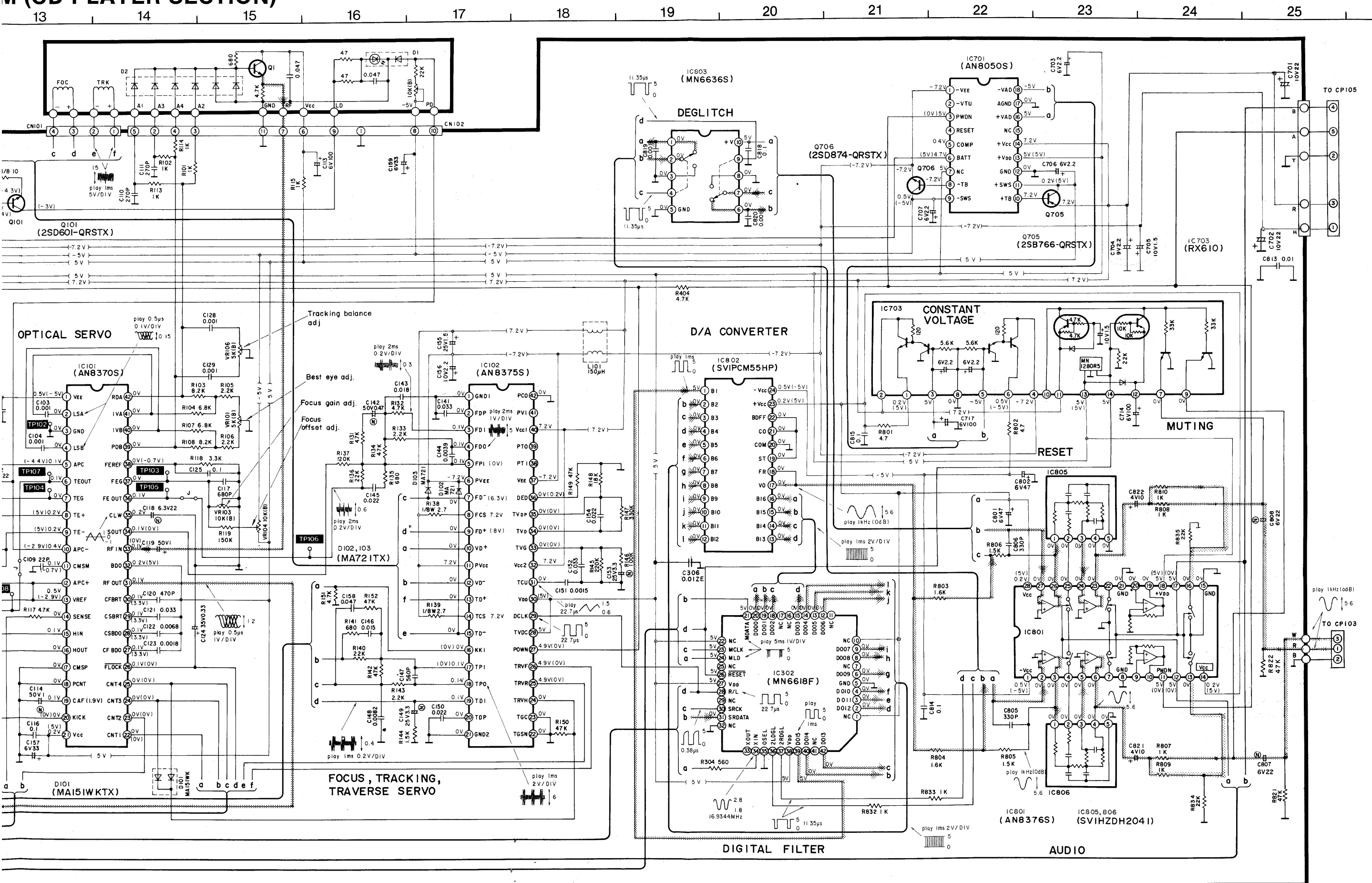
1. The symbols () shown in the circuit board indicate printed resistor.
2. The circuit shown in () on the conductor indicates printed circuit on the back side of the printed circuit board.
3. The symbols () shown in the circuit board indicate connection points between conductors on the front side and back side of the circuit board.
4. The numbers in circles “” indicate the res connection points of the front and rear circuit boards.

- **This circuit board diagram may be modified at any time with the development of new technology.**

SCHEMATIC DIAGRAM (CD PL



M (CD PLAYER SECTION)

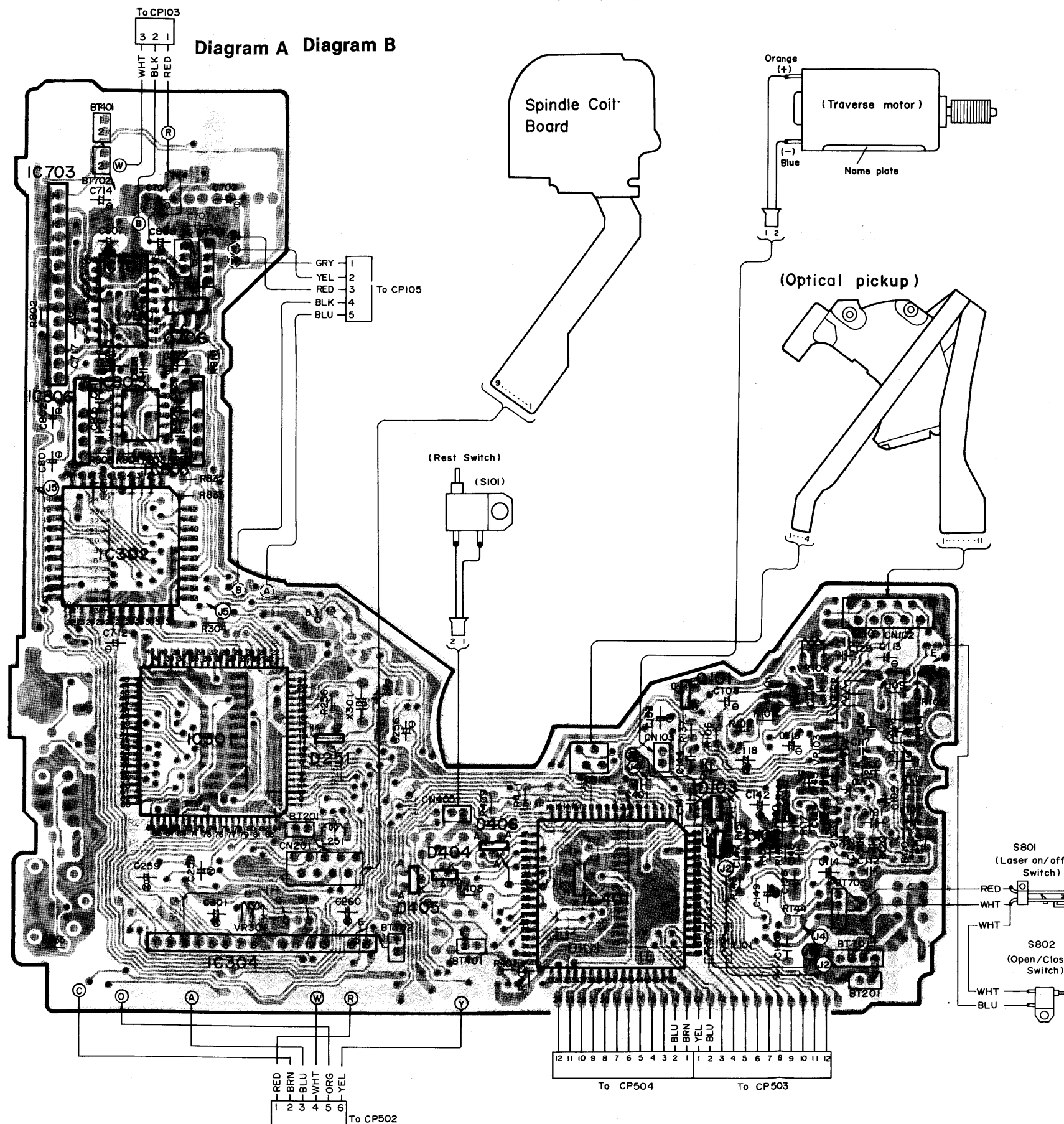


PRINTED CIRCUIT BOARD

• Parts side

Note:

The parts mounting surface of the printed circuit board is printed in Diagram A and the soldering surface in Diagram B. When using the printed circuit board diagrams, cut out Diagram A, line up the center marks (⊕) on Diagram A with those on Diagram B, and paste them together.



SCHEMATIC DIAGRAM

(This schematic diagram may be modified at any time with the development of new technology.)

Notes:

1. S801 : Open/Close switch in "OFF" position.
2. S802 : Laser ON/OFF switch in "OFF" position.
3. S803 : Rest switch in "off" position.
(It turns "on" when optical pickup comes to innermost periphery.)
4. The voltage value and waveforms are the reference voltage of this unit measured by DC electronic voltmeter (hitg impedance) and oscilloscope on the basis of GND terminal.
Accordingly, there may arise some error in the voltage values and waveforms depending upon the internal impedance of the tester or measuring unit.
*The parenthesized is the voltage for test disc (1 kHz, L+R, 0dB) in play mode, and the other, for no disc in stop mode.
5. — : Positive voltage line and negative voltage line.
— : Audio signal line (CD).

* Caution !

IC and LSI are sensitive to static electricity.
Secondary trouble can be prevented by taking care during repair.
* Cover the parts boxes made of plastics with aluminum foil.
* Ground the soldering iron.
* Put a conductive mat on the work table.
* Do not touch the legs of IC or LSI with the fingers directly.

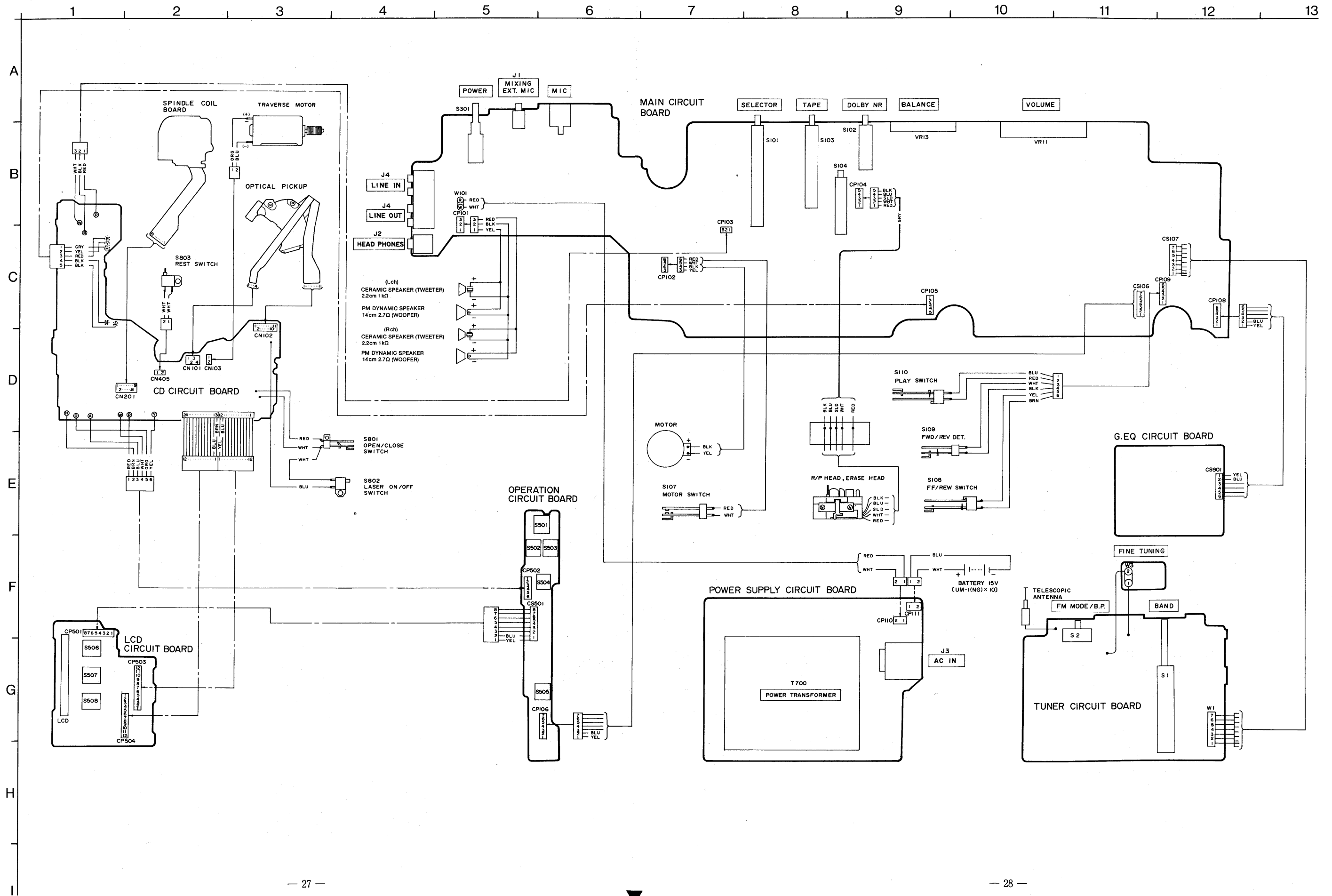
• Terminal guide of IC's, transistors and diodes

MA153 	DTC114EKT96, 2SD1328, DTB113ZKT96, 2SB709, DTA144EKT96, 2SD601 	EHRD1253 	SVIGA011
MA151WK 	2SB766, 2SD874, 2SD1280 	EHDGA1245A 	MN6617S.....84 pin MN6618.....42 pin MN15845PDG.....64 pin AN8370S.....42 pin MN4416S.....24 pin AN8376S.....28 pin MN6636S.....10 pin AN8290S.....24 pin MN1550PDL.....18 pin AN8375S.....42 pin SVIPCM55HP.....24 pin AN8050S.....18 pin
MA151, MA721 	1. Base 2. Collector 3. Emitter	Mark No. 1 	No. 1

Notes:

1. Diagram A shown in (⊕) on the conductor indicates printed circuit on the back side of the printed circuit board.
2. Diagram B shown in (⊕) on the conductor indicates printed circuit on the front side of the printed circuit board.
3. The symbols (●) shown in the circuit board indicate connection points between conductors on the front side and back side of the circuit board.

WIRING CONNECTION DIAGRAM



MEASUREMENTS AND ADJUSTMENTS

■ ALIGNMENT INSTRUCTION

READ CAREFULLY BEFORE ATTEMPTING ALIGNMENT	
1. Set volume control to maximum.	8. Set power switch to on.
2. Set balance control to center.	9. Set power source voltage to 15V DC.
3. Set tape selector switch to normal.	10. Set Fine Tuning control to center.
4. Set band switch to MW, SW1, SW2 or FM.	11. Set graphic equalizer to center.
5. Set function selector to tuner and tape.	12. Output of signal generator should be no higher than necessary to obtain an output reading.
6. Set dolby NR switch to out.	
7. Set FM Mode/B.P switch to stereo/II.	

■ MW, SW1 and SW2 ALIGNMENT

	BAND	SIGNAL GENERATOR or SWEEP GENERATOR		RADIO DIAL SETTING	INDICATOR (ELECTRONICS VOLTMETER or SCOPE)	ADJUSTMENT	REMARKS
		CONNECTIONS	FREQUENCY				
AM-IF ALIGNMENT							
(1)	MW	Fashion loop of several turns of wire and radiate signal into loop of receiver.	455kHz 30% Mod. at 400Hz	Point of non-interference. (on/ about 600kHz)	Output meter across voice coil.	T2 (AM IFT)	Adjust for maximum output.
MW-RF ALIGNMENT							
(2)	MW	"	511 kHz	Tuning capacitor fully closed.	"	L6 (MW OSC Coil)	Adjust for maximum output.
(3)	MW	"	1,650 kHz	Tuning capacitor fully open.	"	CT6 (MW OSC Trimmer)	"
(4)	MW	"	550 kHz	Tune to signal.	"	(* 1) L3-1 (MW ANT Coil)	Adjust for maximum output. Adjust L3-1 by moving coil bobbin along ferrite core.
(5)	MW	"	1,500kHz	"	"	CT3 (MW ANT Trimmer)	Adjust for maximum output. Repeat steps (2)~(5).
SW1-RF ALIGNMENT							
(6)	SW1	"	2.249MHz	Tuning capacitor fully closed.	"	L7 (SW1 OSC Coil)	Adjust for maximum output.
(7)	SW1	"	7.231 MHz	Tuning capacitor fully open.	"	CT1-4 (SW1 OSC Trimmer)	"
(8)	SW1	"	2.3MHz	Tune to signal.	"	(* 1) L3-2 (SW1 ANT Coil)	Adjust for maximum output. Adjust L3-2 by moving coil bobbin along ferrite core.
(9)	SW1	"	7 MHz	"	"	CT1-3 (SW1 ANT Trimmer)	Adjust for maximum output. Repeat steps (6)~(9).
(* 1) Cement antenna bobbin with wax after completing alignment.							
SW2-RF ALIGNMENT							
(10)	SW2	Connect to test point ▼ through ceramic capacitor (10pF). Negative side to test point ②.	6.84 MHz	Tuning capacitor fully closed.	"	L8 (SW2 OSC Coil)	Adjust for maximum output.
(11)	SW2		22.79 MHz	Tuning capacitor fully open.	"	CT8 (SW2 OSC Trimmer)	"
(12)	SW2		7 MHz	Tune to signal.	"	L5 (SW2 ANT Coil)	Adjust for maximum output. Repeat steps (10)~(12).

■ FM ALIGNMENT

BAND	SIGNAL GENERATOR or SWEEP GENERATOR		RADIO DIAL SETTING	INDICATOR (ELECTRONICS VOLTMETER or SCOPE)	ADJUSTMENT	REMARKS
	CONNECTIONS	FREQUENCY				
FM-IF ALIGNMENT						
(1)	FM	High side thru. 0.001μF to test point ③. Negative side to test point ④.	10.7MHz (SWP.)	Point of non-interference. (on/about 90 MHz)	Connect vert. amp. of scope to test point ④. Negative side to test point ③.	T1 (FM 1st IFT) Adjust for maximum amplitude. (Refer to fig. 1.)
(2)	FM	"	"	"	"	T3 (FM 2nd IFT) Adjust for maximum amplitude. (Refer to fig. 2.)

BAND	SIGNAL GENERATOR or SWEEP GENERATOR		RADIO DIAL SETTING	INDICATOR (ELECTRONICS VOLTMETER or SCOPE)	ADJUSTMENT	REMARKS
	CONNECTIONS	FREQUENCY				
FM-RF ALIGNMENT						
FM	Connect to test point ▼ through FM dummy antenna. Negative side to test point ▼.	86.2MHz	Variable capacitor fully closed.	Output meter across voice coil.	L2 (FM OSC Coil).	(*2) Adjust for maximum output.
FM		109.2MHz	Variable capacitor fully open.	"	CT1-2 (FM OSC Trimmer)	"
FM		106MHz	Tune to signal.	"	CT1-1 (FM ANT Trimmer)	(*2) Adjust for maximum output. Repeat steps (3)~(5).
(*2) Three output responses will be present; proper tuning is the center frequency.						

■ SEPARATION ALIGNMENT

ITEM	FM SIGNAL GENERATOR SOURCE CONNECTION	EQUIPMENT CONNECTION ELECTRONIC COUNTER	ADJUSTMENT	SPECIFICATION	REMARKS
Adjustment of pilot signal.	98 MHz, 60 dB Connect to test point ∇ through FM dummy antenna. Negative side to test point ∇ .	∇ ...(+) ∇ ...(-)	VR1	19 kHz	Adjust VR1, for 19 kHz (+/-10%) reading on electronics counter.

■ TAPE ADJUSTMENT

ITEM	INPUT	MEASUREMENT POINT	SPECIFICATION	ADJUSTMENT POINT	REMARKS
(1) Azimuth	QZZCFM (8 kHz, -20 dB)	LINE OUT (AC voltage & Oscilloscope)	Maximum output	Azimuth screw (FWD, REV)	Playback mode FM Mode/B.P→STEREO/II (Refer to fig. 3.)
(2) Tape speed	QZZCWAT (3 kHz)	LINE OUT	3000±90 Hz	Motor Volume	Playback mode (Refer to fig. 4.)
(3) Playback gain	QZZCFM (315 Hz, 0 dB)	LINE OUT	0.39±0.05 V	VR101 (L) VR201 (R)	Playback mode
(4) Rec bias current	—	∇ ...(+) ∇ ...(-)	Tape selector Normal...9.0±0.3 mV Metal/CrO ₂ ...12.0±1.0 mV	VR301	FM Mode/B.P→Stereo/II Tape selector→Normal Function selector→Radio (AM) (Refer to fig. 5.)
(5) Bias oscillation frequency	—	∇ ...(+) ∇ ...(-)	66±2 kHz	L301	"
(6) R/P gain	LINE IN (1 kHz, -14 dB)	LINE OUT	Output...0±1 dB	VR102 (L) VR202 (R)	1. Apply -14 dB 1 kHz signal from the line input terminal. 2. Measure the output voltage of line output terminals. 3. Then, with the unit in the record mode and, record the signal. 4. Playback the recorded part, and measure the output voltage of line output terminals. 5. Compare the output voltage measured in items 3 and 6, and adjust so there is no difference in the level. (Adjust to obtain 0±1 dB.)

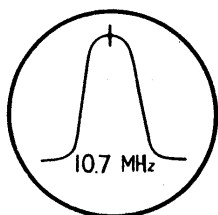


Fig. 1

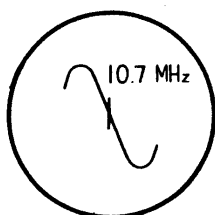


Fig. 2

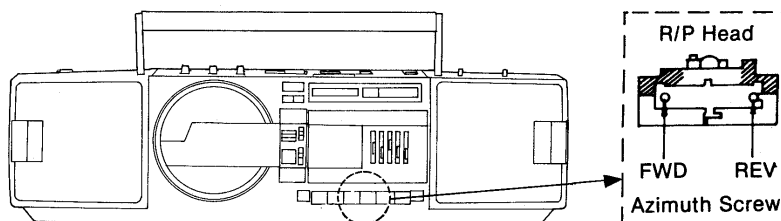


Fig. 3

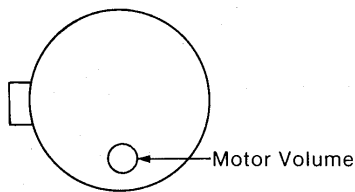


Fig. 4

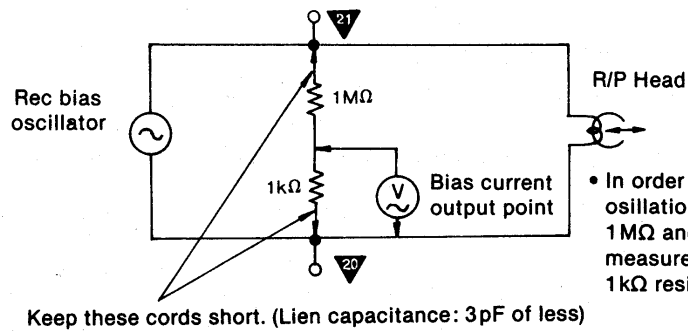


Fig. 5

■ ALIGNMENT POINT

* Please refer to Circuit Board and Wiring Connection Diagram for test point locations.

(TUNER P.C.B)

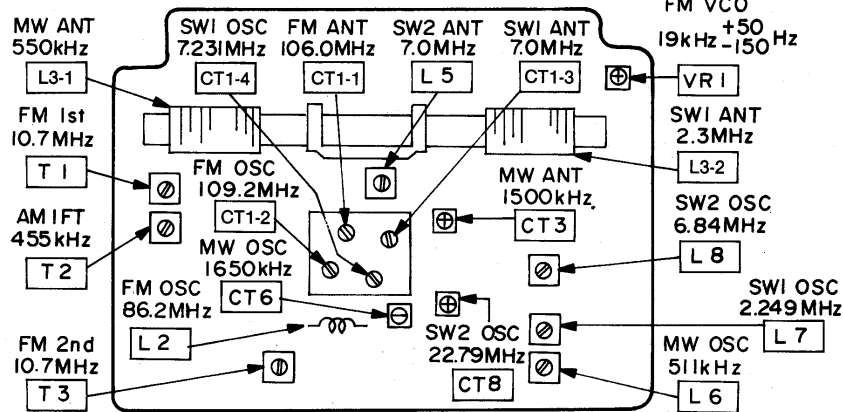


Fig. 6

(MAIN P.C.B)

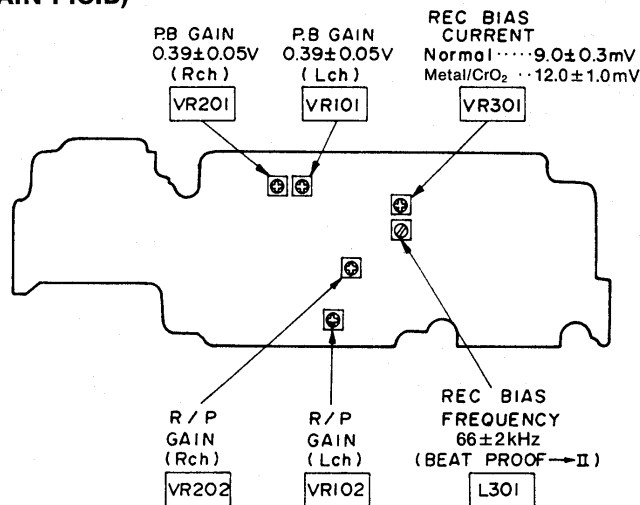


Fig. 7

(REAR CABINET BOTTOM VIEW)

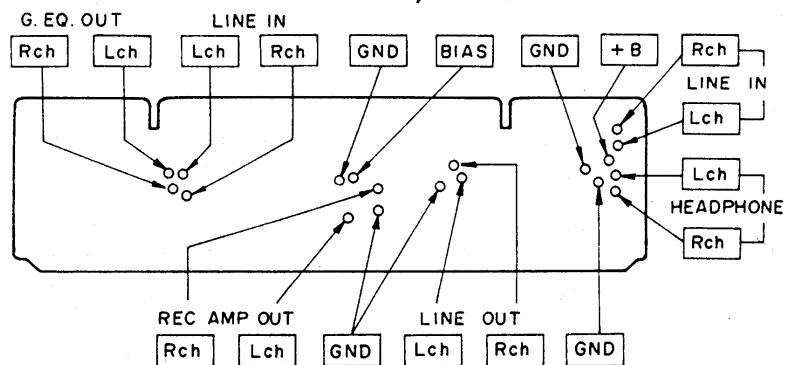


Fig. 8

■ On Adjusting the CD Player Unit

Please follow the procedure below for continuity checks, adjustment, or measurement of the CD player.

Notes:

- (1) Even if during operation, the laser diode does not emit laser if the disc holder cover is not closed and safety interlock switches S801 and S802 are not on.
- (2) When the disc holder cover is closed and safety interlock switches S801 and S802 are on, never look at the lens of laser pickup.

Note: To adjust the CD player section, see the adjustment procedure, order No. HAD8607690C0, for the portable CD player model SL-XP5. However, the disassembly procedure is different, so when performing continuity checks, repairs, or adjustment, disassemble according to the procedure below.

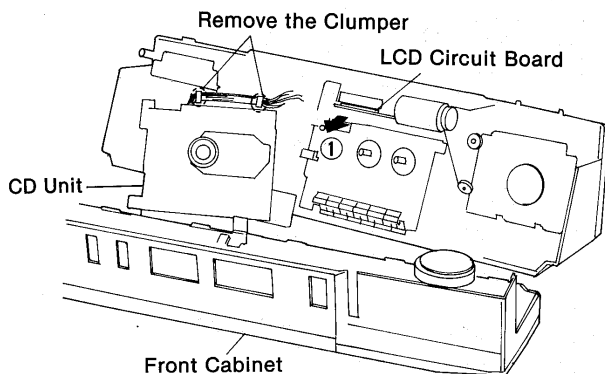


Fig. 1

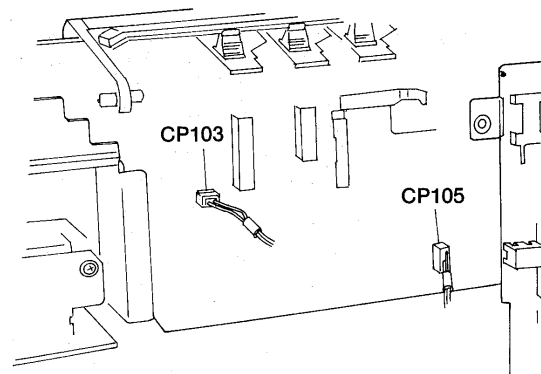


Fig. 2

1. Following the order of removal in the disassembly procedure step 1~6, remove the front cabinet. (Fig. 1)
2. Pull out the LCD circuit board in the direction of the arrow, and remove the CD unit. (Fig. 1)
3. Disconnect the CP103 (3 pin) and CP105 (5 pin) sockets. (Fig. 2)
4. Remove the two lead clamps and remove the lead wires from the holder. (Fig. 1)

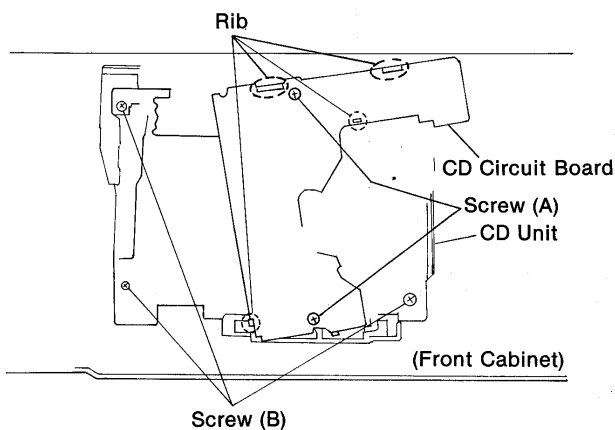


Fig. 3

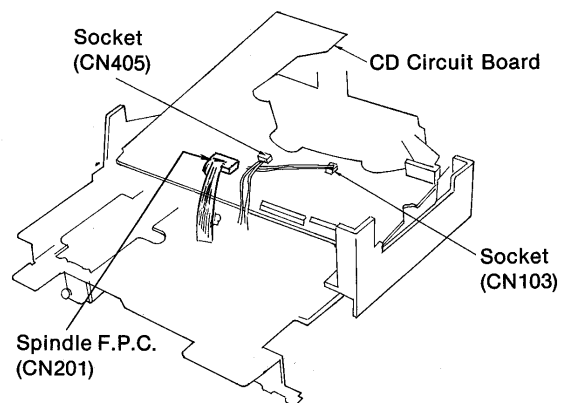


Fig. 4

5. Remove the two screws (A). (Fig. 3)
6. Attach the front cabinet to the CD unit, and secure it in place temporarily with three screws (B) used to attach the speakers. (Fig. 3)
7. Undo the three lugs so the CD circuit board becomes loose. (Fig. 3)
8. Remove the spindle F.P.C. (CN201) and the CN405 (2 pin) socket and connect with the F.P.C. extension cord (SZZP1075C) and the extension connector (SZZ1076C) respectively. (Fig. 4)
9. Disconnect the CN103 (2 pin) socket, pass the wires positioned under the circuit board over the top of the circuit board, and reconnect the CN103 socket. (Fig. 4)

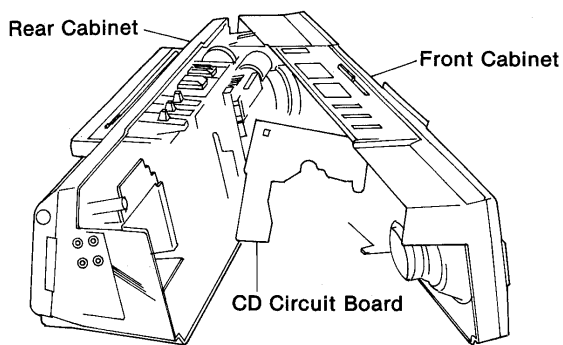


Fig. 5

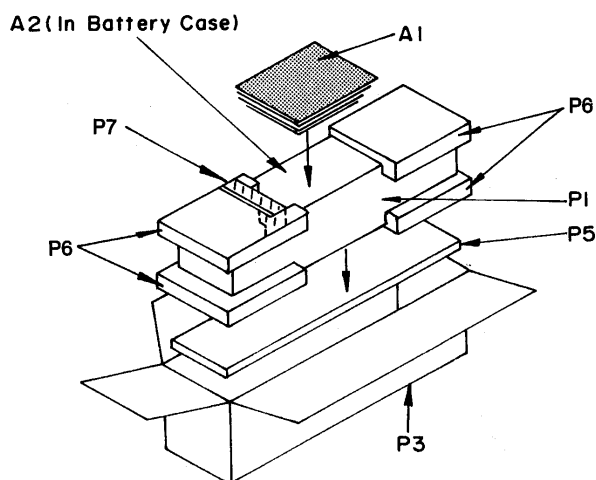
10. After connecting the CN103 socket, set the corner of the front cabinet on the corner of the rear cabinet. (Fig. 5)
(This CD player is assembled at a 72° angle. If it is adjusted in any other angle or when laying flat, the laser pickup will be displaced, preventing normal operation.)

RX-FD80 IMPORTANCE PARTS

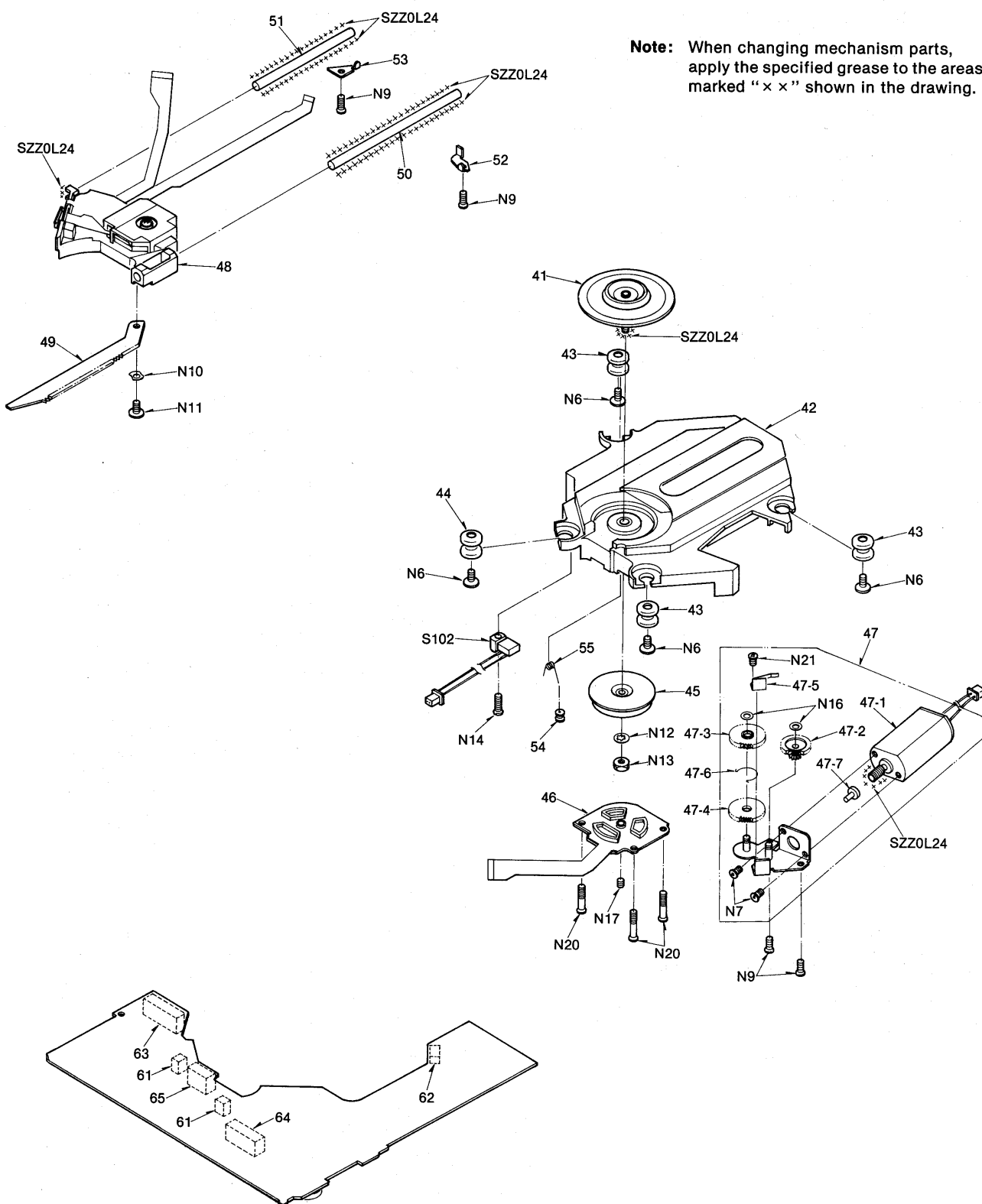
When replacing the following components, use only manufacturer's specified parts in the shaded area of cabinet parts location and below figure.

Parts Name	Remarks
C.D. Unit	
Operating Instructions	A1
Certification Label	K70-4
Front Cabinet Ass'y	K75
CD Compartment Cover	K77
Rear Cabinet Ass'y	K70

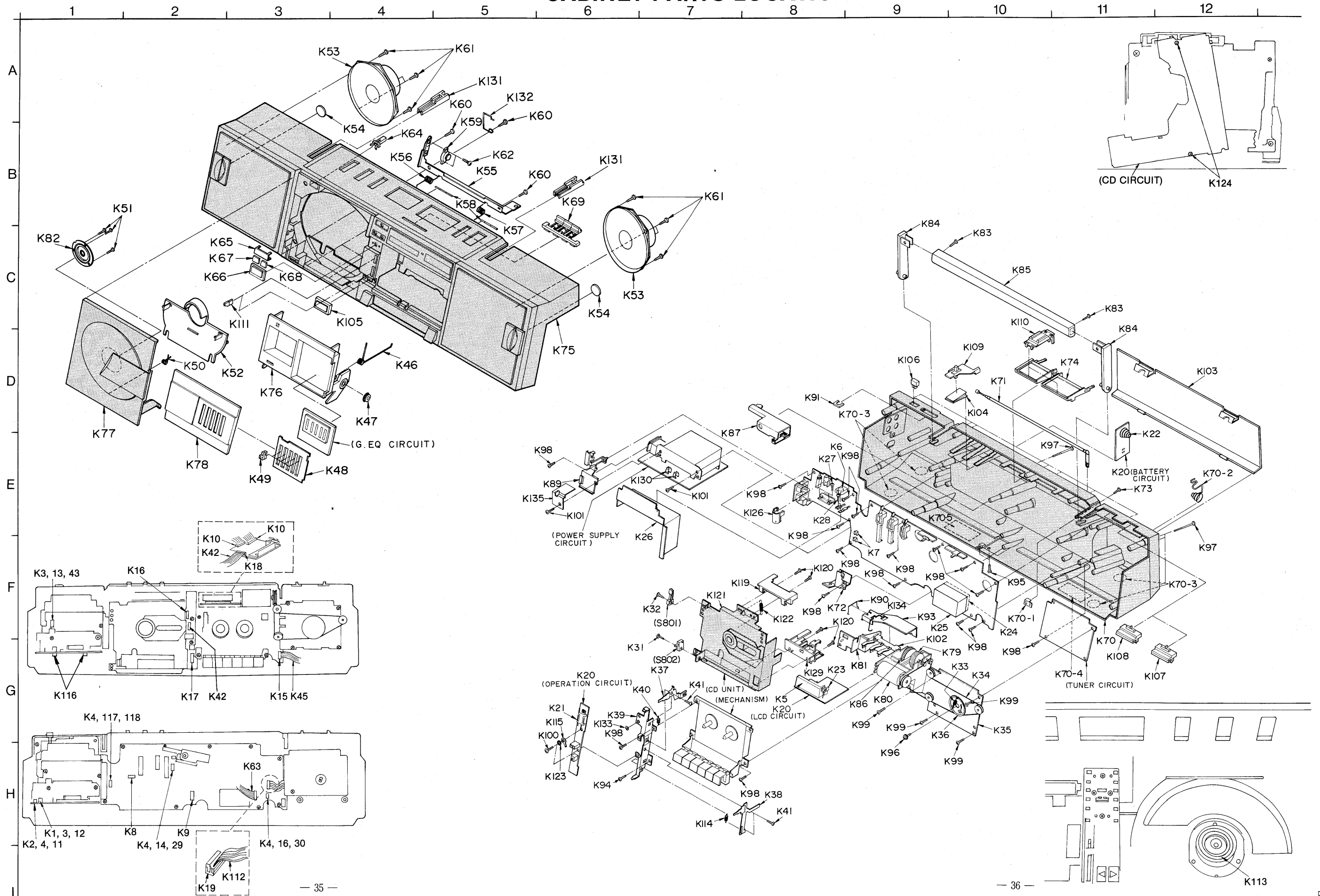
ACCESSORY AND PACKING MATERIALS



EXPLODED VIEWS (CD PLAYER SECTION)

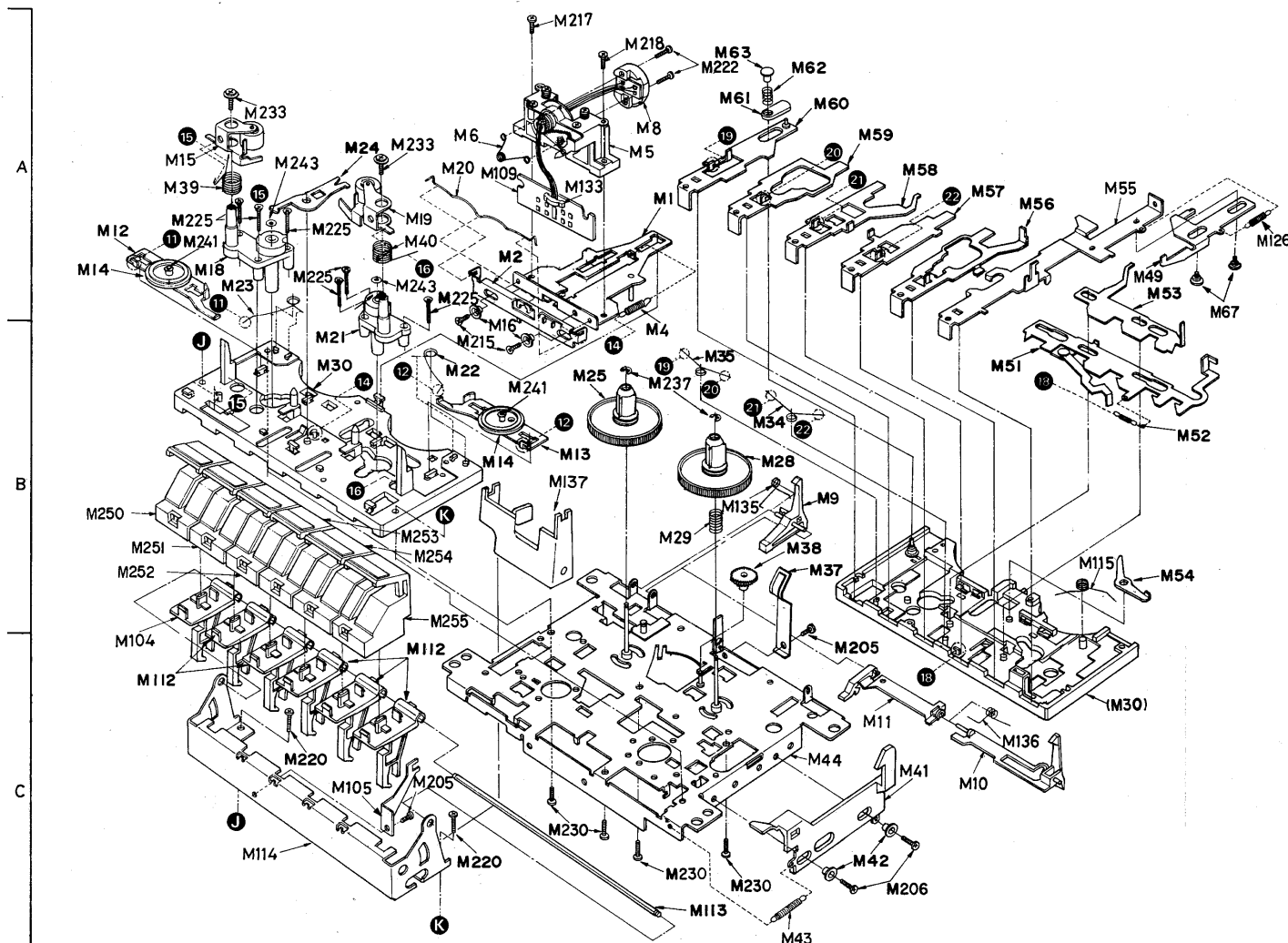


CABINET PARTS LOCATION



MECHANISM PARTS LOCATION

(TOP VIEWS)

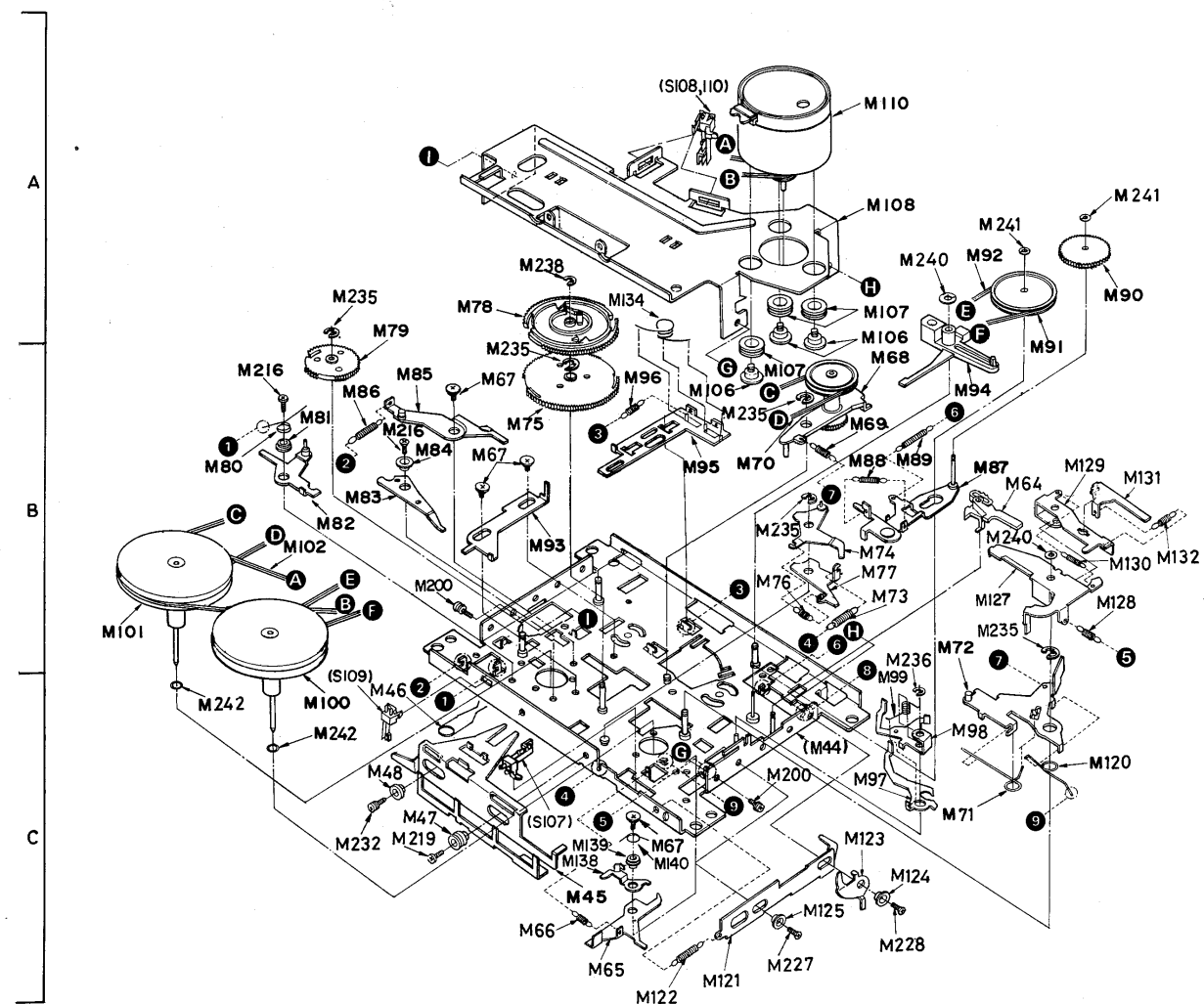


M1 ~99	14 12	15 18 39 23	21 24 30	19 40	20 6 2 22 1416	13 25	8 4 5 1	63 35 29 61	34 38 9 62 60 59 11 28 43 37 44 42 41	58 57 41	56 10	55 51	53 (30) 52 49 54 67
M100 ~250	250	252 251 225 104 112 241	233 220 225 114 243	233 253 105	255 225 109 205 215 220	241 217 230 137 133	218 237 230 222 113	135 230 135 230	205	206	136	115	126

Specifications

Playback torque	25~55g·cm
Fast Forward torque	80~140g·cm
Rewind torque	80~140g·cm
Wow and flutter	Less than 0.35% (WRMS)

(BOTTOM VIEWS)



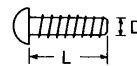
M30 ~99		80	81	86	46	79	85	78	67	75	93	45	96	67	95	70	(44)	69	88	73	89	72	94	92	91	90			
			82	83	48	47	84	67		66	65					76		99	74	77	97	68	71	98	64				
M100 ~250	101	242	216	102	100	235	200	216	238	139	134	122	106	227	107	235	121	200	235	125	106	236	123	107	228	241	120	129	132
			242	232	219	235			138	140																241	128	130	131

Screw Dimensions Quick Reference

- **Dimensions**

XSN 3 + 10=Pan head machine screw, 3mm in diameter, 10mm long.

Type/Diameter/Length



- **Types**

Precision machine screw	Machine screw	Tapping/Tap-tight machine screw
XQC Flat head	XSB Binding head	XTB Binding head
XQG Oval fillister head	XSC Oval countersunk head	XTC Oval countersunk head
XQH Flat fillister head	XSH Flat fillister head	XTN Pan head
XQS Flat head	XSN Pan head	XTS Flat head
	XSS Flat head	

Notes:
1. Important safety notice

Components identified by Δ mark have special characteristics important for safety.

When replacing any of these components, use only manufacturer's specified parts.

2. The letter in square brackets in the Ref. No. column indicates the shipping destination.

[X]... For Asia, Latin America, Middle East and Africa areas. [XC]... For Saudi Arabia.

ELECTRICAL PARTS LIST

Ref. No.	Part No.	Part Code	Description	Ref. No.	Part No.	Part Code	Description
INTEGRATED CIRCUITS				VR202	EVND4AA00B25	001 180 2245 0	V.RR/P GAIN
IC1	AN7205	001 061 0362 8	I.C. FRONT/END	VR301	EVND4AA00B14	001 180 2242 3	V.R. REC BIAS
IC2	BA4236L	001 061 0259 6	I.C1F AMP	VR901	EVBJT2PA1201	001 174 9081 0	V.R.EQ
IC3	RV1BA1332L	001 060 6555 2	I.C. FM MPX	VARIABLE CAPACITORS			
IC301	RV1BA328MR	001 060 3824 2	I.C., PRE AMP	CT3	RCVCTC10U	001 142 0568 6	TRIMMER
IC302	RV1LM1131C	001 060 6577 6	I.C.DOLBY NR	CT5	RCVMH60C8	001 142 0440 1	TRIMMER CAPACITOR
IC304	AN7147N	001 061 0919 3	I.C.POWER	CT6	RCVTZ20F	001 142 0343 1	TRIMMER
IC305	BA6122A	001 060 3447 7	I.C.DC/DC	CT8	RCV10AF1	001 142 0569 5	TRIMMER CAPACITOR
IC306	RV1BA6433	001 060 6559 8	I.C.AMBIENCE	VC1	RCV4RC2V2K	001 141 0495 1	VARIABLE CAPACITOR
IC901	AN7332S	001 061 0739 3	I.C.GRAPHIC/E	THERMISTORS AND VARISTORS			
TRANSISTORS				TH301	RRT202	001 191 0697 3	THERMISTOR
Q1	2SC3313B	001 030 4315 2	TRANSISTOR	COILS AND TRANSFORMERS			
Q101	2SC3311R	001 030 4313 4	TRANSISTOR	L2	RLD4Y53	001 210 9685 7	OSCILLATOR COIL
Q102	2SC1740SLNS	001 030 4248 6	TRANSISTOR	L3	RLF5W152	001 214 1360 7	FERRITE ANTENNA COIL
Q103	2SC3311R	001 030 4313 4	TRANSISTOR	L4	RLQY30S4	001 210 9812 8	COIL
Q104, Q105	2SD1468SR	001 030 2894 0	TRANSISTOR	L5	RLA3B44	001 210 9289 5	COIL
Q201	2SC3311R	001 030 4313 4	TRANSISTOR	L6	RL02B108	001 211 0900 0	COIL
Q202	2SC1740SLNS	001 030 4248 6	TRANSISTOR	L7	RL03B91	001 211 0914 4	COIL
Q203	2SC3311R	001 030 4313 4	TRANSISTOR	L8	RL03B95	001 211 2162 2	COIL
Q204, Q205	2SD1468SR	001 030 2894 0	TRANSISTOR	L101	RL5031	001 210 9739 0	COIL
Q301	2SC3311R	001 030 4313 4	TRANSISTOR	L102	RLQZB822K	001 210 9883 3	COIL
Q302	RVTDTTC114TS	001 030 5699 9	TRANSISTOR	L201	RL5031	001 210 9739 0	COIL
Q303	2SC3311R	001 030 4313 4	TRANSISTOR	L202	RLQZB822K	001 210 9883 3	COIL
Q304, Q305	2SD1449S	001 030 5066 6	TRANSISTOR	L301	RL08R4-K	001 211 3511 7	COIL
Q306	2SC2001L1	001 030 1199 0	TRANSISTOR	L302	RLQZB470K	001 210 9876 2	COIL
Q307	2SC3311R	001 030 4313 4	TRANSISTOR	L303	RLQZD101K	001 210 9884 2	COIL
Q308	2SC1740SLNS	001 030 4248 6	TRANSISTOR	L305	RLQW500K	001 211 1038 9	COIL
Q309	2SD1468SR	001 030 2894 0	TRANSISTOR	L306	RLQV201K	001 211 1037 0	COIL
Q310	2SC1740SLNS	001 030 4248 6	TRANSISTOR	L307	RLQW500K	001 211 1038 9	COIL
Q311	2SD1302R	001 030 5064 8	TRANSISTOR	T1	RL14B153	001 215 2499 0	I.F.TRANSFORMER
Q312	2SC1846R	001 030 1134 7	TRANSISTOR	T2	RL12B153	001 215 2349 3	I.F.TRANSFORMER
Q313	RVTDTA114YST	001 030 5564 3	TRANSISTOR	T3	RL14B153	001 215 2499 0	I.F.TRANSFORMER
Q314	RVTDTTC114TS	001 030 5699 9	TRANSISTOR	T700	Δ RL5Z5G3A-X	001 202 9030 6	POWER TRANSFORMER
Q315	RVTDTTC114YST	001 030 5565 2	TRANSISTOR	(XC)			
Q316	2SC3311R	001 030 4313 4	TRANSISTOR	T700	Δ RL5Z5X2A-X	001 202 9031 5	POWER TRANSFORMER
Q317	RVTDTA143XS	001 030 5698 0	TRANSISTOR	(X)			
Q318	2SC3311R	001 030 4313 4	TRANSISTOR	FILTERS			
Q320	2SD1480R	001 030 7316 9	TRANSISTOR	CF1	RVF107WDZ	001 241 1112 8	CERAMIC FILTER
Q321	RVTDTTC114TS	001 030 5699 9	TRANSISTOR	CF2	RVFSFZ455JZ	001 241 1111 9	CERAMIC FILTER
Q322	UN4210-S	001 030 7028 4	TRANSISTOR	Z1	RXABPMB6A	001 230 1368 7	COMPONENTS COMBINATION
Q325	2SC3311R	001 030 4313 4	TRANSISTOR	FUSES			
Q326	2SD1302R	001 030 5064 8	TRANSISTOR	F1	Δ XBA2C12TB0U	002 380 1645 0	FUSE 1.25A
Q327	2SB947AP	001 030 5386 3	TRANSISTOR	F2	Δ XBA2C20TB0U	002 380 1556 0	FUSE 2.0A
Q328	2SA720-R	001 030 0373 8	TRANSISTOR	(XC)			
Q330	2SD965	001 030 4418 6	TRANSISTOR	SWITCHES			
Q331	2SC3311R	001 030 4313 4	TRANSISTOR	S1	RSS4H04Z	003 431 2849 6	SW.BAND
Q332	UN4110-R	001 030 7420 0	TRANSISTOR	S2	RSS3A15Z	003 431 3132 2	SW.FM MODE
DIODES				S101	RST4F10ZA-H	003 433 1798 4	SW.SELECTOR
D1, D2	MA165	001 032 0494 0	DIODE	S102	RST2B48ZA-H	003 433 1796 6	SW.DOLBY
D3, D4	MA165	001 032 0494 0	DIODE	S103	RST2F16ZA-H	003 433 1797 5	SW.TAPE
D101	RVD1SS133	001 032 6338 7	DIODE	S104	RSH2J04TA-A	003 435 6364 6	SW.R/P
D102	MA175WA	001 032 6173 0	DIODE	S107	RFA52Z	003 434 0843 5	SW.MOTOR
D103	MA175WK	001 032 6175 8	DIODE	S108	RFA75ZA		SW.FF/REW
D201, D301	RVD1SS133	001 032 6338 7	DIODE	S109	RFA52Z	003 434 0843 5	SW.FWD/REVDET
D302	RVD1SS133	001 032 6338 7	DIODE	S110	RFA75ZA		SW.PLAY
D303	MA4068M	001 032 4954 7	DIODE	S301	RSH2B38YA-M	003 435 6358 4	SW.POWER
D305	MA4100M	003 462 2257 1	DIODE	S501, S502	EVQQS405K	003 435 2832 5	SW.OPERATION
D306, D307	RVD1SS133	001 032 6338 7	DIODE	S503, S504	EVQQS405K	003 435 2832 5	SW.OPERATION
D312, D313	RVD1SS133	001 032 6338 7	DIODE	S505	ESB648B	003 431 3102 8	SW.OPERATION
D315, D317	RVD1SS133	001 032 6338 7	DIODE	S506, S507	EVQQS405K	003 435 2832 5	SW.OPERATION
D501	RVD1SS133	001 032 6338 7	DIODE	S508	EVQQS405K	003 435 2832 5	SW.OPERATION
D502, D503	LN022380P	001 033 0131 9	DIODE	S701	Δ RSR3A01Z	003 430 2008 4	VOLTAGE SELECTORV/SELACTO
D504	LN249RPHCF	001 033 0143 5	DIODE	OTHERS			
D700, D701	RVD10E1LF	001 032 1019 9	DIODE	IP301	RAHI CPN5	006 550 1210 5	IC PROTECTOR
D702, D703	RVD10E1LF	001 032 1019 9	DIODE	J1	RJJD3M6Z	003 400 7304 7	JACK, MIX MIC
D704, D705	RVD1SR35	001 032 6336 9	DIODE	J2	RJJD7S2Z	003 400 6898 4	JACK, HEADPHONE
D706	RVD1SR35	001 032 6336 9	DIODE	J3	Δ RJJ1A3Y	003 400 6040 6	JACK, AC/IN
VARIABLE RESISTORS				(X)			
VR1	EVND4AA00B14	001 180 2242 3	V.R. FM VCO	J3	Δ RJJ1A5Z	003 400 6054 0	JACK, AC/IN
VR11	EWAF2C95B54	001 174 9062 3	V.R. VOLUME	(XC)			
VR13	EWAGU2C95G54	001 174 9057 0	V.R. BALANCE	J4	RJF1103ZA		JACK, IN/OUT
VR101	EVND4AA00B14	001 180 2242 3	V.R. P.B GAIN				
VR102	EVND4AA00B25	001 180 2245 0	V.RR/P GAIN				
VR201	EVND4AA00B14	001 180 2242 3	V.R. P.B GAIN				

Ref. No.	Part No.	Part Code	Description	Ref. No.	Part No.	Part Code	Description
CD SECTION				D101	MA151WKT	001 032 9272 6	DIODE
INTEGRATED CIRCUITS				D102, D103	MA721TX	001 032 9501 2	DIODE
IC101	AN8370S	001 060 8399 8	I.C	D251	MA153TX	001 032 7614 2	DIODE
IC102	AN8375S	001 061 3156 0	I.C	D404, D405	MA151WKT	001 032 9272 6	DIODE
IC251	AN8290S	001 061 3034 9	IC	D406	MA151WKT	001 032 9272 6	DIODE
IC301	MN6617	001 060 8411 9	I.C	VARIABLE RESISTORS			
IC302	MN6618F	001 060 9996 9	IC	VR101	EVM07SX00B53	001 171 0576 3	SEMI FIXED RESISTOR
IC303	MN4416S-12	001 060 9746 5	IC	VR102	EVM07SX00B24	001 171 0574 5	SEMI FIXED RESISTOR
IC304	GX573	001 061 3886 3	IC	VR103, VR104	EVM07SX00B14	001 171 0572 7	SEMI FIXED RESISTOR
IC401	MN15845PDG	001 061 3160 4	IC	VR105	EVM07SX00B14	001 171 0572 7	SEMI FIXED RESISTOR
IC701	AN8050S	001 061 3584 4	IC	VR106	EVM07SX00B53	001 171 0576 3	SEMI FIXED RESISTOR
IC703	RX610	001 061 3164 0	IC	VR301	EVM07SX00B52	001 171 0575 4	SEMI FIXED RESISTOR
IC801	AN8376S	001 061 3035 8	IC	COILS AND TRANSFORMERS			
IC802	SV1PCM55HP	001 060 8286 6	IC	L101	SZWD45	001 211 3580 4	COIL
IC803	MN6636S	001 061 3044 7	IC	L251	SLQDNL100KT	001 211 3300 6	COIL
IC805, IC806	SV1HZDH2041	001 061 3890 7	IC	OSCILLATORS			
TRANSISTORS				X301	SZWD4-1	001 211 3579 7	CRYSTAL OSCILLATOR
Q101	2SD601-QRSTX	001 030 6065 3	TRANSISTOR	DISPLAYS			
Q401	DTA144EKT96	001 030 6056 4	TRANSISTOR	LCD40	EDD062C71A3P	001 080 0328 3	DISPLAY
Q705	2SB766-QRSTX	001 030 6060 8	TRANSISTOR	SWITCHES			
Q706	2SD874-QRSTX	001 030 6066 2	TRANSISTOR	S801	RSH1A75ZA-U	003 435 6349 5	LEAF SWITCH
DIODES				S802, S803	SSH1	003 435 4950 2	REST SWITCH

CABINET PARTS LIST

• See page 35, 36 regarding the illustrations.

Ref. No.	Part No.	Part Code	Description	Ref. No.	Part No.	Part Code	Description
CABINET AND CHASSIS				(XC)			
K1	RJS2L3Z	003 400 5564 7	SOCKET	K70-1	RJT779YA		TERMINAL
K2	RJS2L4Z	003 400 5565 6	SOCKET	K70-2	RJC936Z	003 413 1207 0	BATTERY TERMINAL(+/-)
K3	RJT707Z	003 410 5629 1	TERMINAL	K70-3	RHG349ZA	015 653 1157 0	RUBBER
K4	RJT807Z	003 410 5703 8	TERMINAL	K70-4	RQT4398Z	015 989 2345 5	LABEL
K5	EDD062C73A3P		DISPLAY	(XC)			
K6	RJM164Z	001 275 0579 3	MICROPHONE	K70-5	RGT1293UA-0	015 861 2148 7	NAME PLATE
K7	QTF1054	003 415 0168 4	FUSE HOLDER	(XC)			
K8	EMCS0350Z		PLUG (4P)	K70-5	RGT1293VA-0	015 861 2149 6	NAME PLATE
K9	EMCS0550Z		PLUG (5P)	(X)			
K10	EMCS1250Z		PLUG (12P)	K71	XEARR225DAY	002 390 1532 2	TELESCOPIC ANTENNA
K11	RJP2G18Z	003 402 2530 9	PLUG (2P)	K72	RMD1144ZD	015 632 6649 2	ANGLE
K12	RJP2G4Y	003 402 1855 5	PLUG (2P)	K73	XYN3+C15FZ		SCREW
K13	RJP3G4Y	003 402 1889 5	PLUG	K74	RYEXFD80J	015 641 1431 7	ORNAMENT ASS'Y
K14	RJP5G18Z	003 400 7131 0	PLUG(5P)	K75	RYMXFD80FX	015 800 6679 0	FRONT CABINET ASSY
K15	RJP6G18ZA		PLUG (6P)	K76	RYQ1XFD80J	015 820 8788 6	CASSETTE LID ASS'Y
K16	RJP6G20Z	003 402 2451 7	PLUG(6P)	K77	RYQ2XFD80J	015 840 2666 7	HOLDER ASSY, CD
K17	RJP7G18ZA		PLUG (7P)	K78	RYPXF80FX	015 840 2707 5	PANEL ASSY
K18	RJP8G18Z	003 402 2034 0	PLUG(8P)	K79	RYTXFD80J	015 700 4632 0	KNOB ASS'Y, TUNING
K19	RJS7T5ZA	003 400 7773 2	SOCKET(7P)	K80	RYDXFD80FX	015 710 0765 8	DIAL SCALE ASSY
K20	RUP2241XAN-2	003 483 3453 8	PC.BOARD W/COMPONENT	K81	RZAXFD80J	015 630 2441 2	CHASSIS ASS'Y
K21	RUST15ZA	015 726 2390 7	SPRING	K82	RZEXFD80J		CHASSIS ASS'Y, MAGNET
K22	RJC511Z	003 413 1086 1	BATTERY TERMINAL	K83	XTC3+10CFZ	005 501 0196 3	SCREW
K23	RME439ZA	015 600 0433 6	HOLDER	K84	RKX376ZA-0	015 826 1207 6	HANDLE
K24	RMC1117ZA	015 601 1093 9	SHIELD PLATE	K85	RKX377XA-0	015 826 1245 0	HANDLE, ROD
K25	RMC1118ZA	015 601 1090 2	SHIELD PLATE	K86	RBT302ZA-0	015 700 4605 3	KNOB, FINE/T
K26	RMV233ZA	015 610 0017 4	HEAT SINK	K87	RUB9025ZA	015 718 4550 5	LEVER
K27	XTW3+6F	005 501 1355 2	SCREW	K89	RUL931ZB	015 650 0087 6	ANGLE
K28	XTW3+8F	005 501 1025 7	SCREW	K90	RUW117ZA	015 650 0091 0	SPRING
K29	RJS5L4Z	003 400 5656 4	SOCKET(5P)	K91	RME442ZA-0	015 650 0092 9	HOLDER
K30	RJS6L4Z	003 400 5672 4	SOCKET (6P)	K93	RMC1128YA	015 601 1120 3	SHIELD PLATE
K31	XTV2+6F		SCREW	K94	XSN3+4S	005 500 1425 0	SCREW
K32	XTV26+8F	005 501 0813 1	SCREW	K95	XSN3+8BVS	005 500 1460 7	SCREW
K33	RDS4090A	015 726 1973 2	SPRING	K96	XSN26+5	005 500 1361 9	SCREW
K34	RDZ05A	015 952 0194 3	DIAL CORD	K97	XTN3+40G	005 501 1269 9	SCREW
K35	RMC1119ZA	015 601 1086 8	SHIELD PLATE	K98	XTV3+12G	005 501 0844 4	SCREW
K36	RDD392ZB	015 743 0355 9	DRUM	K99	XTV3+16G	005 501 0865 9	SCREW
K37	RUB477ZB	015 718 4549 8	LEVER	K100	XTN3+6B	005 501 0432 0	SCREW
K38	RUB478ZA	015 718 4549 9	LEVER	K101	XTW3+12QR	005 501 1004 2	SCREW
K39	RUL930ZA	015 650 0086 7	CHASSIS	K102	RHR1346ZA	015 652 1411 0	LEVER
K40	QBT2047	015 726 1824 4	SPRING	K103	RKK326ZA-0	015 820 8713 5	BATTERY COVER
K41	QHQ1375	005 500 4289 8	SCREW	K104	RKE592ZA-0	015 846 3128 4	HOLDER
K42	1JSAFD80ZA-4	015 934 0035 9	WIRING MATERIAL ASS'Y	K105	RBC1110ZA-0	015 702 4343 6	BUTTON
K43	RJS3L3Z	003 400 5635 9	SOCKET	K106	RBC709YA-0	015 702 4342 7	BUTTON, POWER
K45	2JSAFD80ZA	015 934 0033 1	WIRING MATERIAL ASS'Y	K107	RBD470YA-0	015 700 4512 7	KNOB, MODE
K46	RUW112ZA	015 727 0946 4	SPRING	K108	RBD470ZA-0	015 700 4518 1	KNOB, BAND
K47	RDG5709Y	015 745 1014 3	GEAR	K109	RBD471ZA-0	015 700 4517 2	KNOB, CONTROL
K48	RKE553Z	015 643 0988 9	COVER	K110	RBD472ZA-0	015 700 4513 6	KNOB, VOLUME
K49	RBD405YA-1	015 700 4549 4	KNOB, EQUALIZER	K111	RBS232ZA-0	015 700 4550 1	KNOB, REVERSE
K50	RUW111ZA	015 727 0947 3	SPRING	K112	1WBAFD80ZA	015 934 0045 7	WIRING MATERIAL ASS'Y
K51	XQN2+A.J4FN	005 500 5029 2	SCREW	K113	RHS972ZA	015 655 0564 3	FELT
K52	RKE593ZA-0	015 846 3127 5	ORNAMENT	K114	RDS2058Z	015 726 1919 8	COIL SPRING
K53	EAS14P61A		SPEAKER	K115	RJT215Z	003 410 5490 2	TERMINAL
K54	RAF04E4A01	001 260 3550 5	SPEAKER	K116	RHG1125XA	015 653 1166 9	RUBBER SPACER
K55	RUL932ZA	015 650 0085 8	ANGLE	K117	RJP4G18ZA	003 402 2689 7	PLUG
K56	RUS717ZA	015 726 2976 5	SPRING	K118	RJS4L4Z	003 400 5648 4	SOCKET (4P)
K57	RUS718ZA	015 726 2979 2	SPRING	K119	RME447ZA	015 632 6647 4	ANGLE
K58	RDF3106ZB	015 713 2055 8	SHAFT	K120	XTN3+6B	005 501 0432 0	SCREW
K59	RDG5024Z	015 745 0913 1	GEAR	K121	RUA773ZA	015 630 2477 0	CHASSIS
K60	XTV3+10G	005 501 0826 6	SCREW	K122	SUSD62		SPRING
K61	XTW3+10F	005 501 0989 8	SCREW	K123	XWA3B	005 513 1248 8	WASHER
K62	XQN2+A4	005 500 5031 8	SCREW	K124	XTN14+C6JFZ	005 501 4706 7	TAPPING SCREW
K63	1JSAFD80ZA-3	015 934 0034 0	WIRING MATERIAL ASS'Y	K126	RUV783ZAR	015 640 0466 5	COVER
K64	RHR3135ZA	015 652 1424 5	HOLDER	K128	XTN26+6B	005 501 0314 5	SCREW
K65	RBC1106ZA-0	015 702 4527 0	BUTTON, PLAY	K129	RME441ZA	015 632 6648 3	ANGLE
K66	RBC1107ZA-0	015 702 4390 9	BUTTON, STOP	K130	VJSS0164	002 380 1814 1	FUSE HOLDER
K67	RBC1108ZA-0	015 702 4528 9	BUTTON, SKIP	(XC)			
K68	RBC1109ZA-0	015 702 4529 8	BUTTON, SKIP	K131	RHR1348ZA	015 652 1471 8	HOLDER
K69	RBC1111ZA-0	015 702 4530 5	BUTTON, CONTROL	K132	RUW1222B	015 727 0970 4	SPRING
K70	RYFXFD80FX	015 802 3165 3	REAR CABINET ASSY	K133	RMX340ZA	015 601 1088 6	ANGLE
(X)				K134	RUW163ZA	015 727 0991 9	LEAF SPRING
K70	RYFXFD80FXC	015 802 3166 2	REAR CABINET ASSY	K135	RUL1002ZA	015 632 6687 6	ANGLE

MECHANISM PARTS LIST

• See page 37, 38 regarding the illustrations.

Ref. No.	Part No.	Part Code	Description	Ref. No.	Part No.	Part Code	Description
CASSETTE DECK				M86	RFS518Z	015 728 1304 3	TORSION SPRING
M1	RFU104ZA	015 630 2431 4	HEAD PANEL ASSY	M87	RFG79Z	015 632 4830 5	CAM GEAR PLATE ASSY
M2	RFY736ZA	015 718 4588 1	LEVER, C.H.P	M88	RFS553Z	015 728 1416 6	SPRING
M4	RFS525Z	015 728 1311 4	TORSION SPRING	M89	RFS520Z	015 728 1306 1	TORSION SPRING
M5	RFU105ZA	015 630 2430 5	HEAD PLATE ASSY	M90	RFG78Z	015 745 0868 9	CAM GEAR
M6	RFS665ZA	015 726 3017 9	SPRING	M91	RFQ50ZA	015 741 3483 0	PULLEY
M8	1JH0024ZB	001 270 1850 8	HEAD ASS'Y	M92	RFB76ZA	015 754 0329 0	ANGULAR BELT
M9	RFY737ZA	015 718 4587 2	LEVER, FWD	M93	RFY522Z	015 718 3492 2	RF LEVER
M10	RFY738ZA	015 718 4586 3	LEVER, REV	M94	RFE211Z	015 632 4826 1	DETECTOR PLATE
M11	RFY739ZA	015 718 4585 4	LEVER, REV	M95	RFY757ZA	015 718 4638 8	LEVER
M12	RFD203Z	015 632 4750 4	TRIGGER ROLLER PLATE	M96	RFS554Z	015 727 0857 4	SPRING
M13	RFD204Z	015 632 4751 3	TRIGGER ROLLER PLATE	M97	RFY758ZA	015 718 4637 9	LEVER
M14	RFK15Z	015 740 3178 1	TRIGGER ROLLER ASSY	M98	RFY729ZA	015 718 4503 2	LEVER
M15	RFR41ZA	015 740 3236 8	PINCH ROLLER	M99	RFS662ZA	015 728 1592 1	LEVER
M16	RFK149ZA	015 643 1030 0	COLLER	M100	RFF47ZA	015 756 0453 7	FLYWHEEL
M18	RFD300ZA	015 650 0101 5	METAL ASSY	M101	RFF48ZA	015 756 0450 0	FLYWHEEL
M19	RFR42ZA	015 740 3235 9	PINCH ROLLER	M102	RFB52Z	015 752 0133 0	FLAT BELT
M20	RFS666ZA	015 726 3016 0	SPRING	M104	RFY524Z	015 718 3494 0	OPELATING LEVER
M21	RFD301ZA	015 650 0100 6	METAL ASSY	M105	RFD297ZA	015 713 2053 0	SHAFT
M22	RFS503Z	015 728 1291 1	TORSION SPRING	M106	RFE213Z	005 500 4344 8	SCREW
M23	RFS502Z	015 728 1290 2	TORSION SPRING	M107	RFI32Z	015 653 0536 7	MOTOR CUSHION
M24	RFY502Z	015 718 3477 1	LEVER, HEAD BASE CONTROL	M108	RFD302ZA	015 650 0102 4	MOTOR BRACKET
M25	RFJ63ZA	015 718 4500 5	REEL TABLE ASSY	M109	RFT18ZA		PC BOARD W/COMPONENT
M28	RFJ64ZA	015 718 4501 4	REEL TABLE ASSY	M110	RFM104ZA	002 310 2405 2	DC MOTOR
M29	RFS546Z	015 728 1409 5	SPRING	M112	RFY759ZA	015 718 4636 0	LEVER
M30	RFU58Z	015 630 1631 2	BUTTON BASE	M113	RFY525Z	015 713 1854 9	SHAFT, BUTTON LEVER
M34	RFS547Z	015 728 1410 2	SPRING	M114	RFD206Z	015 702 3164 1	BUTTON FRAME
M35	RFS667ZA	015 726 3015 1	SPRING	M115	RFS675ZA	015 726 3007 1	LEVER
M37	RFS509Z	015 727 0788 0	SPRING	M120	RFS676ZA	015 726 3006 2	SPRING
M38	RFG94ZA	015 745 1058 1	GEAR	M121	RFY748ZA	015 718 4576 5	LEVER
M39	RFS668ZA	015 726 3014 2	SPRING	M122	RFS677ZA	015 726 3005 3	SPRING
M40	RFS669ZA	015 726 3013 3	SPRING	M123	RFY749ZA	015 718 4575 6	LEVER
M41	RFY740ZA	015 718 4584 5	LEVER	M124	RFX152ZA	015 643 1027 5	COLLER
M42	RFX120Z	015 643 0668 2	COLLAR	M125	RFX117Z	015 643 0665 5	COLLAR
M43	RFU99Z	015 630 2439 6	CHASSIS	M126	RFS678ZA	015 726 3004 4	SPRING
M44	RFU108ZA	015 756 0452 8	WHEEL	M127	RFY750ZA	015 718 4574 7	LEVER
M45	RFY741ZA	015 718 4583 6	LEVER	M128	RFS679ZA	015 726 3003 5	SPRING
M46	RFS671ZA	015 726 3011 5	SPRING	M129	RFY751ZA	015 718 4573 8	LEVER
M47	RFX150ZA	015 643 1029 3	COLLER	M130	RFS680ZA	015 726 3002 6	SPRING
M48	RFX151ZA	015 643 1028 4	COLLER	M131	RFY752ZA	015 718 4572 9	LEVER
M49	RFS742ZA	015 726 2998 9	LEVER	M132	RFS681ZA	015 726 3001 7	SPRING
M51	RFY558Z	015 632 6341 9	OPERATING PLATE ASSY	M133	RFE336ZA	015 645 0296 0	CORD CRAMP
M52	RFS672ZA	015 726 3010 6	SPRING	M134	RFS657ZA	015 728 1584 1	TORSION SPRING
M53	RFY526Z	015 632 4901 7	SWITCH OPERATION PLATE	M135	RFS682ZA	015 726 3000 8	SPRING
M54	RFY559Z	015 718 4079 7	REWIND LEVER	M136	RFS683ZA	015 726 3037 5	COIL SPRING
M55	RFY760ZA	015 718 4639 7	LEVER	M137	RFD303ZA	015 650 0103 3	ANGLE
M56	RFY743ZA	015 718 4582 7	LEVER	M138	RFY755ZA	015 718 4571 0	LEVER
M57	RFY509Z	015 718 3484 2	BUTTON LEVER, REW	M139	RFX153ZA	015 643 1026 6	COLLER
M58	RFY510Z	015 718 3485 1	BUTTON LEVER, FF	M140	RFS685ZA	015 726 2999 8	SPRING
M59	RFY511Z	015 718 3486 0	BUTTON LEVER STOP	M200	RFE229Z	005 500 4351 9	SCREW
M60	RFY512Z	015 718 3487 9	BUTTON LEVER ASSY, PAUSE	M205	XTN2+3B	005 501 1408 6	SCREW
M61	RFY513Z	015 718 3488 8	LEVER, PAUSE	M206	RFE221Z	005 500 4348 4	SCREW
M62	RFS512Z	015 728 1238 4	TORSION SPRING	M215	RFE337ZA	005 500 7808 5	SCREW
M63	RFX122Z	015 652 0882 7	STOPPER, PAUSE BUTTON	M216	XQN2+35	005 500 4625 2	SCREW
M64	RFY744ZA	015 718 4581 8	LEVER	M217	RFE338ZA	005 500 7809 4	SCREW
M65	RFY745ZA	015 718 4580 9	LEVER	M218	RFE339ZA	005 500 7810 1	SCREW
M66	RFS661ZA	015 728 1591 2	SPRING	M219	RFE98Z	005 500 4387 7	SCREW
M67	RFE332ZA	005 500 8027 2	SCREW	M220	XQN2+7	005 500 4626 1	SCREW
M68	RFK21ZA	015 742 0281 5	IDLER	M222	RFE340ZA	005 500 7811 0	SCREW
M69	RFS660ZA	015 728 1590 3	SPRING	M225	RFE344ZA	005 500 7812 9	SCREW
M70	RFB59Z	015 754 0287 3	FF BELT	M227	RFE345ZA	005 513 4833 5	SCREW
M71	RFS514Z	015 728 1300 7	TORSION SPRING	M228	RFE349ZA	005 500 7814 7	SCREW
M72	RFY516Z	015 717 0396 8	LIFT ARM ASSY	M230	RFE222Z	005 500 4349 3	SCREW
M73	RFS673ZA	015 726 3009 9	SPRING	M232	RFE346ZA	005 500 7813 8	SCREW
M74	RFY746ZA	015 718 4579 2	LEVER	M233	RFE327ZA	005 500 8026 3	SCREW
M75	RFG96ZA	015 745 1087 6	GEAR	M235	XUC2FT	005 512 0126 6	E RING
M76	RFS674ZA	015 726 3008 0	SPRING	M236	XUC15FY-V	005 512 0122 0	E RING
M77	RFY747ZA	015 718 4578 3	LEVER	M237	RFE133Z	005 513 3209 7	E RING
M78	RFG97ZA	015 745 1086 7	GEAR	M238	RFE330ZA	005 512 0854 1	E RING
M79	RFG98ZA	015 745 1085 8	GEAR	M240	RFE341ZA	005 513 4830 8	WASHER
M80	RFS517Z	015 728 1303 4	TORSION SPRING	M241	RFE216Z	005 513 3210 4	WASHER
M81	RFX148ZA	015 643 1021 1	COLLER	M242	RFE342ZA	005 513 4831 7	WASHER
M82	RFY519Z	015 717 0398 6	TRIGGER ARM ASSY	M243	RFE343ZA	005 513 4832 6	WASHER
M83	RFY520Z	015 717 0399 5	TRIGGER ARM	M250	RBC1100ZA	015 702 4389 2	BUTTON, REC
M84	RFX123Z	015 643 0669 1	COLLAR	M251	RBC1101ZA	015 702 4524 3	BUTTON, PLAY
M85	RFY521Z	015 717 0400 9	PLAY MOVING ARM ASSY	M252	RBC1102ZA	015 702 4525 2	BUTTON, FAST/CUE
				M253	RBC1103ZA	015 702 4526 1	BUTTON, FAST/CUE

Ref. No.	Part No.	Part Code	Description	Ref. No.	Part No.	Part Code	Description
M254	RBC1104ZA	015 702 4394 5	BUTTON, STOP	M255	RBC1105ZA	015 702 4395 4	BUTTON, PAUSE

■ ACCESSORY AND PACKING PARTS LIST

Ref. No.	Part No.	Part Code	Description	Ref. No.	Part No.	Part Code	Description
PACKINGS				A2	△	QFC1081	003 490 0913 2 AC CORD
P1	RPH565ZA	015 979 0413 4	POLYETHYLEN COVER	(X)			
P3	RPK2510ZA	015 972 2119 4	GIFT BOX	A2	△	RJA103Z	003 490 4815 7 AC CORD
P5	RPN5254ZA	015 977 3427 6	CUSHION	(XC)			
P6	RPN9546ZB	015 977 3434 7	CUSHION	A3	△	RJP120ZS	003 402 1803 7 PLUG
P7	RPN5239ZA	015 972 2016 0	CARTON BOX	(X)			
ACCESSORIES				A4		RJN47Z	015 912 0219 5 TAPE
A1	RQX4981ZA	015 983 5051 4	OPERATING INSTRUCTIONS	(X)			

■ CABINET PARTS LIST • See page 34 regarding the illustrations.

Ref. No.	Part No.	Part Code	Description	Ref. No.	Part No.	Part Code	Description
CD SECTION				53	SUWD28	016 650 5286 3	BRACKET
TRAVERSE DECK				54	SHRD24	016 652 0647 8	ROLLER
41	S1RD24E	016 766 0214 6	TURNTABLE ASSY	55	SUSD35-1	016 726 0869 7	SPRING
42	S1RD21E	016 630 1775 9	TRAVERSE BASE	61	EMCS0252B	003 403 6547 9	CONNECTOR
43	SHGD50	016 653 1085 1	RUBBER	62	EMCS0352B	003 403 6548 8	CONNECTOR
44	SHGD51	016 653 1086 0	RUBBER	63	SJSD1108	003 403 6551 3	SOCKET
45	SOMD10E-1	003 453 0341 5	ROTOR ASS'Y	64	SJSD0908	003 403 6550 4	CONNECTOR
46	SXPD580	003 483 1131 1	SPINDLE P.C.B. ASS'Y	65	SJSD0408	003 403 6549 7	SOCKET
47	SDGD22E-1	016 745 0211 6	GEAR ASS'Y	SCREWS, WASHERS & NUTS (PLAYER)			
47-1	SDGD21E	002 310 2330 4	MOTOR ASSY	N6	SNSD16	016 643 0980 9	SCREW
47-2	SDGD22	016 745 0212 5	GEAR	N7	XQN2+A2	005 500 2795 3	SCREW
47-3	SDGD24	016 745 0215 2	GEAR	N9	XTS2+A6JFZ	005 501 4646 2	SCREW
47-4	SDGD23	016 745 0213 4	GEAR	N10	SNWD1	005 513 3549 0	WASHER
47-5	SUWD30-1	016 726 0877 7	SPRING	N11	SNSD4	005 500 4875 6	SCREW
47-6	SUSD41	016 726 0876 8	SCREW	N12	XWC2AV	005 513 4834 4	WASHER
47-7	SHRD63	016 652 0706 4	SPACER	N13	XNF2BBN	005 507 1328 5	NUT
48	SQAD40A	001 271 0693 2	OPTICAL PICK UP	N14	XTN2+E8JFN	005 501 4644 4	SCREW
49	SDGD25	016 745 0201 8	GEAR	N16	SHWD1	005 513 3548 1	WASHER
50	SUXD26	016 634 0132 2	SHAFT	N17	SNSD20	016 713 0366 6	SCREW
51	SUXD27	016 634 0131 3	SHAFT	N20	XTS2+A13JW	005 501 4645 3	SCREW
52	SUWD27	016 650 5287 2	BRACKET	N21	XQN2+A15FN	005 500 7788 2	SCREW

RESISTORS & CAPACITORS

Numbering System of Resistor

Example:

ERD	25	F	J	101
Type	Wattage	Shape	Tolerance	Value (100Ω)
ERJ	6G	C	J	2R2
Type	Wattage	Shape	Tolerance	Value (2.2Ω)

Numbering System of Capacitor

Example:

ECKD	1H	102	Z	F
Type	Voltage	Value (1000pF)	Tolerance	Pecularity
ECEA	50	M	R47	
Type	Voltage	Pecularity	Value (0.47 μF)	

Resistor Type	Wattage	Tolerance
ERD: Carbon Resistor	10 : 1/8W	F : ±1%
ERC: Solid Resistor	25 : 1/4W	G : ±2%
ERF: Incombustible	50 : 1/2W	J : ±5%
Box-Shaped Wire-Wound Resistor	18 : 1/8W	K : ±10%
	14 : 1/4W	M : ±20%
ERG: Metal Oxide-Film Resistor	12 : 1/2W	
	1 : 1W	
	2 : 2W	
ERM: Wire-Wound Resistor	3 : 3W	
	S1 : 1/2W	
ERO: Superstable Metal Film Resistor	S2 : 1/4W	
	6G : 1/10W	
	8G : 1/8W	
ERX: Metal-Film Resistor		
RRJ: Chip Resistor		
ERJ: Chip Resistor		

※ Capacity are in microfarads (μF) unless specified otherwise, P=Pico-farads.
 ※ Resistance are in ohms (Ω), unless specified otherwise, 1K=1,000Ω, 1M=1,000KΩ

Capacitor Type	Voltage	Tolerance
ECCD: Ceramic Capacitor (Chitacon)	(ECCD, ECKD Type) 1H : 50V DC 2H : 500V DC	K : ±10%
ECKD: Ceramic Capacitor (Chitabar)	(ECKD Type) C : 12V DC D : 25V DC	M : ±20%
ECFD: Semiconductor Ceramic Capacitor (ECQ Type)	E : 50V DC	Z : +80%
ECE□: Electrolytic Capacitor	05 : 50WV DC 1 : 100WV DC	J : ±5%
ECS□: Tantalum Fixed Electrolytic Capacitor	(ECE, ECS Type) 0G : 4V 0J : 6.3V	G : ±2%
ECQ□: Polystyrene Film Capacitor	1A : 10V 1C : 16V	F : ±1%
ECQS: Polystyrene Film Capacitor	1E : 25V 1V : 35V	C : ±0.25pF
	1H : 50V 1J : 63V	D : ±0.5pF
ECQS: Polypropylene Film Capacitor	2A : 100V	F : ±1pF
ECQV: T.F. Capacitor		
ECU□: Chip Capacitor		
RCU□: Cylindrical Ceramic Capacitor		
ECBT: Cylindrical Ceramic Capacitor		

Ref. No.	Part No.	Part Code	Ref. No.	Part No.	Part Code	Ref. No.	Part No.	Part Code
RESISTORS			R131	ERDS2TJ333	001 152 2358 0	R231	ERDS2TJ333	001 152 2358 0
R1, R2	ERDS2TJ101	001 152 2421 0	R132	ERDS2TJ684	001 152 2451 4	R232	ERDS2TJ684	001 152 2451 4
R3	ERDS2TJ100	001 152 2420 1	R133	ERDS2TJ472	001 152 2362 4	R233	ERDS2TJ472	001 152 2362 4
R6	ERDS2TJ824	001 152 2457 8	R134	ERDS2TJ101	001 152 2421 0	R234	ERDS2TJ101	001 152 2421 0
R7	ERDS2TJ331	001 152 2356 2	R135	ERDS2TJ821	001 152 2454 1	R235	ERDS2TJ821	001 152 2454 1
R8	ERDS2TJ221	001 152 2431 8	R136	ERDS2TJ104	001 152 2348 2	R236	ERDS2TJ104	001 152 2348 2
R12, R13	ERDS2TJ470	001 152 2442 5	R137	ERDS2TJ472	001 152 2362 4	R237	ERDS2TJ472	001 152 2362 4
R16	ERDS2TJ222	001 152 2353 5	R138	ERDS2TJ152	001 152 2350 8	R238	ERDS2TJ152	001 152 2350 8
R17	ERDS2TJ183	001 152 2429 2	R140	ERDS2TJ222	001 152 2353 5	R240	ERDS2TJ222	001 152 2353 5
R20	ERDS2TJ680	001 152 2448 9	R142	ERDS2TJ102	001 152 2346 4	R242	ERDS2TJ102	001 152 2346 4
R21	ERDS2TJ472	001 152 2362 4	R143	ERDS2TJ333	001 152 2358 0	R243	ERDS2TJ333	001 152 2358 0
R22, R23	ERDS2TJ821	001 152 2454 1	R144	ERDS2TJ472	001 152 2362 4	R244	ERDS2TJ472	001 152 2362 4
R24	ERDS2TJ104	001 152 2348 2	R145	ERDS2TJ392	001 152 2439 0	R245	ERDS2TJ392	001 152 2439 0
R25	ERDS2TJ822	001 152 2455 0	R146	ERDS2TJ223	001 152 2432 7	R246	ERDS2TJ223	001 152 2432 7
R26, R27	ERDS2TJ392	001 152 2439 0	R147	ERDS2TJ332	001 152 2357 1	R247	ERDS2TJ332	001 152 2357 1
R28	ERDS2TJ102	001 152 2346 4	R148	ERDS2TJ101	001 152 2421 0	R248	ERDS2TJ101	001 152 2421 0
R30	ERDS2TJ471	001 152 2361 5	R149	ERDS2TJ682	001 152 2365 1	R249	ERDS2TJ682	001 152 2365 1
R31	ERDS2TJ561	001 152 2364 2	R150	ERDS2TJ2R2	001 152 3148 4	R250	ERDS2TJ2R2	001 152 3148 4
R32	ERDS2TJ101	001 152 2421 0	R151	ERDS2TJ151	001 152 2426 5	R251	ERDS2TJ151	001 152 2426 5
R101	ERDS2TJ104	001 152 2348 2	R201	ERDS2TJ104	001 152 2348 2	R301	ERDS2TJ221	001 152 2431 8
R102	ERDS2TJ101	001 152 2421 0	R202	ERDS2TJ101	001 152 2421 0	R302	ERDS2TJ472	001 152 2362 4
R103	ERDS2TJ392	001 152 2439 0	R203	ERDS2TJ392	001 152 2439 0	R303	ERDS2TJ101	001 152 2421 0
R104	ERDS2TJ153	001 152 2351 7	R204	ERDS2TJ153	001 152 2351 7	R305	ERD25VJ106T	001 152 4074 1
R105	ERDS2TJ472	001 152 2362 4	R205	ERDS2TJ472	001 152 2362 4	R306	ERDS2TJ101	001 152 2421 0
R107	ERDS2TJ152	001 152 2350 8	R207	ERDS2TJ152	001 152 2350 8	R307, R308	ERDS2TJ222	001 152 2353 5
R108	ERDS2TJ222	001 152 2353 5	R208	ERDS2TJ222	001 152 2353 5	R309	ERD25FVJ100T	001 152 1813 2
R110	ERDS2TJ153	001 152 2351 7	R210	ERDS2TJ153	001 152 2351 7	R310	ERDS2TJ103	001 152 2347 3
R111	ERDS2TJ102	001 152 2346 4	R211	ERDS2TJ102	001 152 2346 4	R311	ERDS2TJ104	001 152 2348 2
R112	ERDS2TJ103	001 152 2347 3	R212	ERDS2TJ103	001 152 2347 3	R312	ERDS2TJ101	001 152 2421 0
R113	ERDS2TJ182	001 152 2352 6	R213	ERDS2TJ182	001 152 2352 6	R314	ERDS2TJ102	001 152 2346 4
R115	ERDS2TJ683	001 152 2450 5	R215	ERDS2TJ683	001 152 2450 5	R320	ERDS2TJ103	001 152 2347 3
R116	ERDS2TJ104	001 152 2348 2	R216	ERDS2TJ104	001 152 2348 2	R321	ERDS2TJ182	001 152 2352 6
R117	ERDS2TJ152	001 152 2350 8	R217	ERDS2TJ152	001 152 2350 8	R330	ERDS2TJ391	001 152 2360 6
R118	ERDS2TJ474	001 152 2443 4	R218	ERDS2TJ474	001 152 2443 4	R331	ERDS2TJ333	001 152 2358 0
R119	ERDS2TJ272	001 152 2354 4	R219	ERDS2TJ272	001 152 2354 4	R332	ERDS2TJ102	001 152 2346 4
R120	ERDS2TJ151	001 152 2426 5	R220	ERDS2TJ151	001 152 2426 5	R335	ERDS2TJ473	001 152 2363 3
R121	ERDS2TJ122	001 152 2423 8	R221	ERDS2TJ122	001 152 2423 8	R337	ERDS2TJ101	001 152 2421 0
R122	ERDS2TJ683	001 152 2450 5	R222	ERDS2TJ683	001 152 2450 5	R338	ERDS2TJ222	001 152 2353 5
R123	ERDS2TJ274	001 152 2437 2	R223	ERDS2TJ274	001 152 2437 2	R339	ERDS2TJ472	001 152 2362 4
R125	ERDS2TJ473	001 152 2363 3	R225	ERDS2TJ473	001 152 2363 3	R340	ERD25FVJ3R3T	001 152 1878 5
R126	ERDS2TJ332	001 152 2357 1	R226	ERDS2TJ332	001 152 2357 1	R341	ERDS2TJ332	001 152 2357 1
R127	ERDS2TJ472	001 152 2362 4	R227	ERDS2TJ472	001 152 2362 4	R342	ERDS2TJ122	001 152 2423 8
R128	ERDS2TJ102	001 152 2346 4	R228	ERDS2TJ102	001 152 2346 4	R343	ERDS2TJ222	001 152 2353 5

Ref. No.	Part No.	Part Code	Ref. No.	Part No.	Part Code	Ref. No.	Part No.	Part Code
R345	ERDS2TJ332	001 152 2357 1	C35	ECFT1C223MD	001 108 0565 3	C223	ECQP2A332JZT	
R346	ERDS2TJ472	001 152 2362 4	C36	ECEA0JU221	001 120 2925 9	C225	ECFD1C333KDY	001 108 1058 3
R347	ERDS2TJ684	001 152 2451 4	C37	ECFT1C223MD	001 108 0565 3	C226, C227	ECEA1EU4R7	001 120 2840 3
R348	ERDS2TJ332	001 152 2357 1	C38	RCBS1C103MY	001 103 8060 6	C228	ECFV1E473MD	001 108 0700 4
R350	ERDS2TJ470	001 152 2442 5	C40	ECFT1C103MD	001 108 0560 8	C230	ECEA1HU010	001 120 2960 6
R351	ERDS2TJ103	001 152 2347 3	C41	ECFT1C153MD	001 108 0564 4	C231	ECFV1E473MD	001 108 0700 4
R352	ERDS2TJ122	001 152 2423 8	C42	ECFT1C223MD	001 108 0565 3	C232	ECEA1HU010	001 120 2960 6
R353	ERDS2TJ684	001 152 2451 4	C43	RCBC1H331KB	001 103 5541 6	C233	ECEA1CU100	001 120 2905 3
R355	ERDS2TJ222	001 152 2353 5	C45	ECEA1CU100	001 120 2905 3	C235	ECQP2A183JZT	
R356	ERDS2TJ470	001 152 2442 5	C46	ECEA1HU010	001 120 2960 6	C236	ECFT1C223MD	001 108 0565 3
R357	ERDS2TJ472	001 152 2362 4	C47	ECFT1C153MD	001 108 0564 4	C237	RCBS1H102KB	001 103 5571 0
R358	ERDS2TJ151	001 152 2426 5	C48, C49	ECEA50ZR47E	001 120 1287 0	C239	RCBC1H331KB	001 103 5541 6
R360	ERDS2TJ472	001 152 2362 4	C50	ECEA1HU010	001 120 2960 6	C240	ECEA1CU100	001 120 2905 3
R361	ERDS2TJ222	001 152 2353 5	C51	ECQP2A102JZT		C241	ECEA1HU010	001 120 2960 6
R362	ERDS2TJ103	001 152 2347 3	C52	ECFT1C223MD	001 108 0565 3	C242	RCBC1C332MXY	001 103 7086 0
R363	ERDS2TJ101	001 152 2421 0	C59, C60	RCBC1H331KB	001 103 5541 6	C243	ECEA1HU0R1	001 120 3250 5
R365	ERDS2TJ471	001 152 2361 5	C61	ECCT1H020C		C244	RCBC1H331KB	001 103 5541 6
R366	ERDS2TJ221	001 152 2431 8	C101	ECEA1HU010	001 120 2960 6	C245	ECEA1HU010	001 120 2960 6
R367	ERDS2TJ471	001 152 2361 5	C102	ECCT1H221K		C246	ECEA0JU101B	001 120 2829 8
R368	ERDS2TJ472	001 152 2362 4	C103	RCBS1H471KB	001 103 5630 6	C247	RCBS1H471KB	001 103 5630 6
R370	ERDS2TJ104	001 152 2348 2	C105	ECEA1EU3R3B	001 120 3839 2	C248	ECEA1AU101	001 120 3283 5
R371, R372	ERDS2TJ103	001 152 2347 3	C106	ECEA0JU470	001 120 3125 9	C249	ECEA1HUR33	001 120 3248 9
R373	ERDS2TJ472	001 152 2362 4	C107	ECFD1C333KDY	001 108 1058 3	C250	ECEA1AU222E	001 120 3869 6
R375	ERD25VJ473	001 152 2407 8	C108	RCBS1H102KB	001 103 5571 0	C251	ECQM1H224JZ	001 106 0746 0
R378	ERDS2TJ103	001 152 2347 3	C110	ECEA1HU010	001 120 2960 6	C301	ECQV1H474JZ3	
R379	ERDS2TJ104	001 152 2348 2	C111	ECFT1C223MD	001 108 0565 3	C302	ECEA1AU101	001 120 2830 5
R380	ERDS2TJ102	001 152 2346 4	C112	ECEA1HU010	001 120 2960 6	C303	ECEA1AU221	001 120 3131 1
R381	ERD25FVJ1R0T	001 152 1810 5	C113	RCBS1H471KB	001 103 5630 6	C305	ECEA1AU471	001 120 3029 8
R382	ERDS2TJ332	001 152 2357 1	C115	ECEA1EU3R3B	001 120 3839 2	C306	ECEA0JU221	001 120 2925 9
R383	ERDS2TJ103	001 152 2347 3	C116	ECEA1CU100	001 120 2905 3	C307	ECEA1CU100	001 120 2905 3
R384	ERDS2TJ102	001 152 2346 4	C117	ECEA1HU0R1	001 120 3250 5	C308	ECEA1AU221	001 120 3131 1
R385	ERDS2TJ333	001 152 2440 7	C118	ECEA1HUR33	001 120 3248 9	C310	ECEA0JU471	001 120 2924 0
R386	ERDS2TJ222	001 152 2353 5	C120	ECFD1C473KDY	001 108 0571 5	C311	ECFT1C153MD	001 108 0564 4
R387	ERDS2TJ223	001 152 2432 7	C121	ECEA1CU100	001 120 2905 3	C312	ECFT1C103MD	001 108 0560 8
R388	ERDS2TJ103	001 152 2347 3	C122	ECFD1C472KDY	001 108 1059 2	C313	ECEA50ZR47E	001 120 1287 0
R390	ERDS2TJ223	001 152 2432 7	C123	ECQP2A332JZT		C315	ECEA1CU100	001 120 2905 3
R391	ERDS2TJ332	001 152 2357 1	C125	ECFD1C333KDY	001 108 1058 3	C316	ECEA0JU221	001 120 2925 9
R392	ERDS2TJ472	001 152 2362 4	C126, C127	ECEA1EU4R7	001 120 2840 3	C317	ECEA1EU471B	001 120 2907 1
R393	ERG2ANJ680	001 151 0177 6	C128	ECFV1E473MD	001 108 0700 4	C318, C320	ECEA1EU222	001 120 3023 4
(X)			C130	ECEA1HU010	001 120 2960 6	C330	RCBS1C103NY	001 103 5545 2
R393	ERG3SJ680		C131	ECFV1E473MD	001 108 0700 4	C331	ECQP2A332JZT	
(XC)			C132	ECEA1HU010	001 120 2960 6	C332	ECKD1H103ZF	001 103 1449 7
R395	ERDS2TJ561	001 152 2364 2	C133	ECEA1CU100	001 120 2905 3	C333	ECQS2B272KZ	001 106 3594 6
R396	ERDS2TJ471	001 152 2361 5	C135	ECQP2A183JZT		C335	CQP2A223JZT	001 106 5218 1
R397	ERDS2TJ392	001 152 2439 0	C136	ECFT1C223MD	001 108 0565 3	C336	ECEA1AU221	001 120 3131 1
R398	ERDS2TJ104	001 152 2348 2	C137	RCBS1H102KB	001 103 5571 0	C337	ECKT1H332MD	001 103 1856 6
R500	ERD25VJ102T	001 152 2085 6	C139	RCBC1H331KB	001 103 5541 6	C338	ECFV1E473MD	001 108 0700 4
R501	ERDS2TJ471	001 152 2361 5	C140	ECEA1CU100	001 120 2905 3	C339	ECEA1HU2R2	001 120 3253 2
R502	ERDS2TJ221	001 152 2431 8	C141	ECEA1HU010	001 120 2960 6	C340	ECFT1C223MD	001 108 0565 3
R700	ERG3SJ220	001 151 3797 2	C142	RCBC1C332MXY	001 103 7086 0	C341	ECFT1C103MD	001 108 0560 8
R914, R915	RRJ6GCJ182	001 152 5881 4	C143	ECEA1HU0R1	001 120 3250 5	C342	ECEA1AU101	001 120 2830 5
CAPACITORS			C144	RCBC1H331KB	001 103 5541 6	C343	ECEA1HU0R1	001 120 3250 5
C1	ECKT1H102MD		C145	ECEA1HU010	001 120 2960 6	C345	ECKT1H102MD	
C2	ECCT1H150KC		C146	ECEA0JU101B	001 120 2829 8	C346	ECEA1HU010	001 120 2960 6
C3	ECCT1H040C		C147	RCBS1H471KB	001 103 5630 6	C347	ECFT1C223MD	001 108 0565 3
C4	ECCT1H0331K	001 103 0578 3	C148	ECEA1AU101	001 120 2830 5	C348	ECEA1HU010	001 120 2960 6
C5	ECKT1H102MD		C149	ECEA1HUR33	001 120 3248 9	C350	ECKT1H102MD	
C6	ECCT1H150KC		C150	ECEA1AU222E	001 120 3869 6	C351	ECEA1HU010	001 120 2960 6
C7	ECCT1H180KC		C151	ECQM1H224JZ	001 106 0746 0	C352	ECEA1HU2R2	001 120 3253 2
C8	RCBC1H470JL	001 103 7090 4	C201	ECEA1HU010	001 120 2960 6	C359	ECFV1C104MD	001 108 0691 8
C9	ECKT1H102MD		C202	ECKD1H471KB	001 103 1551 0	C360	ECKD1H103ZF	001 103 1449 7
C10, C11	ECKD1H103ZF	001 103 1449 7	C203	RCBS1H471KB	001 103 5630 6	C362	ECEA1AU221	001 120 3131 1
C12	ECCT1H100KC		C205	ECEA1EU3R3B	001 120 3839 2	C363	ECKD1H103ZF	001 103 1449 7
C13	RCBC1H4R7KC	001 103 5542 5	C206	ECEA0JU470	001 120 3125 9	C365	ECEA1AU101	001 120 2830 5
C15	RCBS1H100JC	001 103 5563 0	C207	ECFD1C333KDY	001 108 1058 3	C367	ECEA1AU221	001 120 3131 1
C16	ECCT1H270KC		C208	RCBS1H102KB	001 103 5571 0	C368	ECEA1AU471	001 120 3029 8
C18	ECFT1C223MD	001 108 0565 3	C210	ECEA1HU010	001 120 2960 6	C370	ECEA1HU2R2	001 120 3253 2
C20	RCBS1H220JL	001 103 5601 1	C211	ECFT1C223MD	001 108 0565 3	C372	ECEA1EU221	001 120 2838 7
C21	ECCT1H050C		C212	ECEA1HU010	001 120 2960 6	C375, C376	ECEA1EU4R7	001 120 2840 3
C22	ECQP2A361JZ	001 106 3537 5	C213	RCBS1H471KB	001 103 5630 6	C377	ECKF1H681KB	001 103 1818 2
C23	ECQP2A151JZ	001 106 3519 7	C215	ECEA1EU3R3B	001 120 3839 2	C379	ECFT1C223MD	001 108 0565 3
C25	RCBC1H4R7KC	001 103 5542 5	C216	ECEA1CU100	001 120 2905 3	C381	ECEA1AU471	001 120 3029 8
C26	ECQP2A152JZ	001 106 3521 3	C217	ECEA1HU0R1	001 120 3250 5	C382	ECKD1H333ZF	001 103 1539 6
C27	ECQP2A472JZ		C218	ECEA1HUR33	001 120 3248 9	C383	ECEA1EU471B	001 120 2907 1
C30	ECFT1C223MD	001 108 0565 3	C220	ECFD1C473KDY	001 108 0571 5	C385	ECEA1AFS471E	001 120 4815 6
C31	ECEA1HU2R2	001 120 3253 2	C221	ECEA1CU100	001 120 2905 3	C386	ECEA1AU471	001 120 3029 8
			C222	ECFD1C472KDY	001 108 1059 2	C387	ECKD1H333ZF	001 103 1539 6

Ref. No.	Part No.	Part Code	Ref. No.	Part No.	Part Code	Ref. No.	Part No.	Part Code
C388	ECEA1CU220	001 120 2906 2	R141	ERJ6GEYJ681V	001 151 6304 3	C123	RCUV1H182KB	001 103 8692 0
C390	ECBA1H221KBY	001 103 0038 6	R142	ERJ6GEYJ473V	001 151 6303 4	C124	ECSE1VY334R	001 123 1152 9
C700, C701	ECKD1H103ZF	001 103 1449 7	R143	ERJ6GEYJ222V	001 151 6622 2	C125	RCUV1E104ZF	001 103 7066 4
C702, C703	ECKD1H103ZF	001 103 1449 7	R144	ERJ6GEYJ152V	001 151 4769 2	C128, C129	RCUV1H102KB	001 103 8329 6
C704	ECEA1EU221	001 120 2938 7	R145	ERJ6GEYJ224V	001 151 6297 5	C141	ECUV1E333MB	001 103 8683 1
C704	ECEA1EU221	001 120 3821 2	R146	ERJ6GEYJ104V	001 151 6292 0	C142	ECEA1HSNR47L	001 120 5649 8
C705, C706	ECKD1H103ZF	001 103 1449 7	R147	ERJ6GMYJ334W	001 151 6308 9	C143	RCUV1E183KB	001 103 8687 7
C901	ECEA1HKS010L	001 120 2559 1	R148	ERJ6GEYJ183V	001 151 6296 6	C144	RCUV1H392KB	001 103 8696 6
C902	ECUV1H223MD		R149	ERJ6GMYJ473W	001 151 6309 8	C145	RCUV1E223KB	001 103 8688 6
C903	ECEA1HKS010L	001 120 2935 7	R150	ERJ6GEYJ473V	001 151 6303 4	C146	RCUV1E153KB	001 103 8687 3
C904	RCUV1H682KB	001 103 7071 7	R151	ERJ6GEYJ472V	001 151 6302 5	C147	RCUV1H561KB	001 103 8697 5
C905	ECEA1HKS0R1	001 120 2936 6	R152	ERJ6GEYJ473V	001 151 6303 4	C148	RCUV1H822KB	001 103 8693 3
C906	RCUV1H222MD	001 103 9243 7	R251	ERJ6GCJ562	001 151 3985 0	C149	ECEA1ESN3R3I	001 120 4658 1
C907	ECUV1E333MD		R252	ERJ6GMYJ473W	001 151 6309 8	C150	ECUV1E223KB	001 103 8682 2
C908	ECUV1E683MD		R253	ERJ6GMYJ683W	001 151 6313 2	C151	RCUV1H152KB	001 103 8691 1
C909	ECEA1HKS010L	001 120 2559 1	R254	ERJ6GMYJ473W	001 151 6309 8	C152	ECUV1E333KB	001 103 8697 8
C910	RCUV1E103MD	001 103 9214 2	R255	ERJ6GMYJ563W	001 151 6311 4	C153	ECEA1ESN3R3I	001 120 4658 1
C911, C912	ECEA1HKS010L	001 120 2559 1	R256	ERJ6GEYJ223V	001 151 4770 9	C154	ECUV1E223KB	001 103 8682 2
C913	ECEA0JKS101I	001 120 5506 2	R257	ERJ6GEYJ2R2V	001 151 6317 8	C155	ECSE1ET155R	001 123 1151 0
C914	ECEA1HKS010L	001 120 2559 1	R303	ERJ6GEYJ152V	001 151 4769 2	C156	ECSE1AT225SR	001 123 1150 1
C915	ECUV1H223MD		R304	ERJ6GEYJ561V	001 151 4772 7	C157	ECSE0JT336	001 123 1146 7
C916	ECEA1HKS0R33	001 120 2935 7	R401, R402	ERJ6GEYJ222V	001 151 6622 2	C158	ECUV1H473KB	001 103 8685 9
C917	RCUV1H682KB	001 103 7071 7	R403	ERJ6GEYJ222V	001 151 6622 2	C159	ECSE0JT336	001 123 1146 7
C918	ECEA1HKS0R1	001 120 2936 6	R404, R405	ERJ6GEYJ472V	001 151 6302 5	C251	RCUV1E104ZF	001 103 7066 4
C919	RCUV1H222MD	001 103 9243 7	R407, R408	ERJ6GEYJ472V	001 151 6302 5	C252	ECUX1H152KB	001 103 8686 8
C920	ECUV1E333MD		R409, R410	ERJ6GEYJ102C	001 151 6621 3	C253	ECUX1E273KB	001 103 5425 9
C921	ECUV1E683MD		R411	ERJ6GEYJ102C	001 151 6621 3	C254	ECUV1E223KB	001 103 8682 2
C922	ECEA1HKS010L	001 120 2559 1	R413	ERJ6GEYJ103V	001 151 6291 1	C255	ECSE1CY474L	001 123 0820 0
C923	RCUV1E103MD	001 103 9214 2	R801, R802	ERJ6GEYJ4R7V	001 151 6301 6	C256	ECEA1CKS330I	001 120 5647 0
C924, C925	ECEA1HKS010L	001 120 2559 1	R803, R804	ERJ6GEYJ162V	001 151 6295 7	C257	RCUX1E104ZF	001 103 5655 7
CD SECTION			R805, R806	ERJ6GEYJ152V	001 151 4769 2	C258	ECEA1CSN220L	001 120 5648 9
RESISTORS			R807, R808	ERJ6GEYJ102C	001 151 6621 3	C259	ECEA1CSN220I	001 120 5808 1
			R809, R810	ERJ6GEYJ102C	001 151 6621 3	C260	ECEA1CSN220L	001 120 5648 9
R101	ERJ6GEYJ102C	001 151 6621 3	R821	ERJ6GMYJ473W	001 151 6309 8	C301	ECEA1VSN2R2I	001 120 5108 2
R102	ERJ6GMYJ102W	001 151 6307 0	R822	ERJ6GEYJ473V	001 151 6303 4	C302	RCUX1H103ZF	001 103 5685 1
R103	ERJ6GEYJ822V	001 151 6306 1	R832, R833	ERJ6GEYJ102C	001 151 6621 3	C303, C304	RCUV1H100DC	001 103 8826 4
R104	ERJ6GMYJ682W	001 151 6312 3	R834, R835	ERJ6GEYJ223V	001 151 4770 9	C306	RCUV1H103ZF	001 103 8690 2
R105, R106	ERJ6GEYJ222V	001 151 6622 2	CAPACITORS			C308	ECUV1C105ZF	001 103 7118 9
R107	ERJ6GEYJ682V	001 151 6305 2	C102	RCUV1H222KB	001 103 8694 8	C309, C311	RCUV1E104ZF	001 103 7066 4
R108	ERJ6GEYJ822V	001 151 6306 1	C103	RCUV1H102KB	001 103 8329 6	C401	RCUV1H103ZF	001 103 8690 2
R109	ERJ6GEYJ154V	001 151 6294 8	C104	RCUX1H102K	001 103 8700 7	C402	RCUV1E104ZF	001 103 7066 4
R110, R111	ERJ6GEYJ222V	001 151 6622 2	C105	RCUV1H681K	001 103 8698 4	C701, C702	ECSE1AE226	001 123 0581 6
R112	ERJ6GEYJ100V	001 151 6315 0	C106, C107	RCUV1H102KB	001 103 8329 6	C703	ECSE0JT225S	001 123 0802 2
R113, R114	ERJ6GMYJ102W	001 151 6307 0	C108	ECEA1AKS470	001 120 3073 4	C704	ECSE09T225R5	001 123 1147 6
R115	ERJ6GEYJ102C	001 151 6621 3	C109	RCUV1H220KC	001 103 8693 9	C705	ECSE1AT155R	001 123 1149 4
R116	ERJ6GEYJ223V	001 151 4770 9	C110, C111	RCUV1H271KC	001 103 8695 7	C706, C707	ECSE0JT225S	001 123 0802 2
R117	ERJ6GEYJ472V	001 151 6302 5	C112	RCUV1E104ZF	001 103 7066 4	C712	ECEA0JKS220I	001 120 5645 2
R118	ERJ6GEYJ332V	001 151 6300 7	C113	ECEA0JKS101I	001 120 5506 2	C714	ECEA0JKS101I	001 120 5506 2
R119	ERJ6GEYJ154V		C114	ECEA1HSN010L	001 120 4659 0	C717	ECEA0JKS101	001 120 2529 7
R131, R132	ERJ6GEYJ472V	001 151 6302 5	C115, C116	RCUV1E104ZF	001 103 7066 4	C801, C802	ECEA0JKS470I	001 120 5507 1
R133	ERJ6GEYJ222V	001 151 6622 2	C117	RCUV1H681K	001 103 8698 4	C805, C806	RCUV1H331KC	001 103 6733 6
R134	ERJ6GEYJ473V	001 151 6303 4	C118	ECEA0JSN220I	001 120 4655 4	C807, C808	ECEA0JSN220I	001 120 4655 4
R135	ERJ6GEYJ681V	001 151 6304 3	C119	ECEA1HKS010L	001 120 2559 1	C813	RCUV1H103ZF	001 103 8690 2
R136	ERJ6GEYJ223V	001 151 4770 9	C120	RCUV1H471KC	001 103 7070 8	C814, C815	RCUV1E104ZF	001 103 7066 4
R137	ERJ6GEYJ124V	001 151 6293 9	C121	ECUV1E333MB	001 103 8683 1	C818	RCUV1E104ZF	001 103 7066 4
R138, R139	ERJ6GCYJ2R7W	001 151 6314 1	C122	RCUV1H682KB	001 103 7071 7	C819, C820	ECUV1H102KC	001 103 6755 0
R140	ERJ6GEYJ223V	001 151 4770 9				C821, C822	ECSE0JT106R	001 123 0798 1