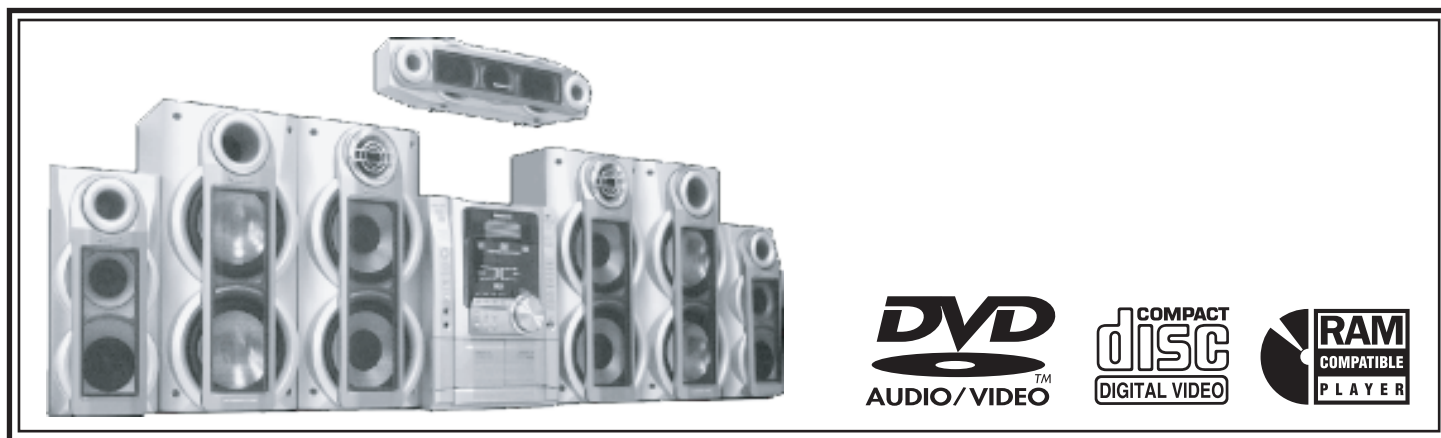


Service Manual

1

MODELO	UNIDAD	
SC-TM92DV	SA-TM92DV	Estéreo
	SB-VK91	Bafles
	SB-PS81A	Surround
	SB-PC81A	Central
	SB-WVK91	Subwoofer

Modelo: **SC-TM92DV**



AMPLIFICADOR	SC-TM92DV
POTENCIA DE SALIDA:	7300 W (P.M.P.O.)
CONSUMO DE POTENCIA:	300 W
ALIMENTACION:	127 V ca $\pm$ 10% 60 Hz
SENSIBILIDAD AUX:	250 mV
RANGO DE SINTONIA AM:	520 - 1710 kHz (paso de 10 kHz)
RANGO DE SINTONIA FM:	87,5 - 108,0 MHz (paso de 0,1 MHz) 87,9 - 107,9 MHz (paso de 0,2 MHz)
DIMENSIONES (BXHXL):	250 mm x 330 mm x 372 mm
PESO:	9.8 kg aprox.

POTENCIA DE SALIDA (AMPLIFICADOR)						
SC-TM92DV	FRONTAL (ALTOS)	90 W	RCM por canal	(6 Ω),	100 Hz, 10%	DAT
	FRONTAL (BAJOS)	40 W	RCM por canal	(12 Ω),	1 kHz, 10%	DAT
	SURROUND	50 W	RCM por canal	(6 Ω),	1 kHz, 10%	DAT
	CENTRAL	90 W	RCM por canal	(6 Ω),	1 kHz, 10%	DAT
	SUBWOOFER	90 W	RCM por canal	(6 Ω),	100 Hz, 10%	DAT

ESPECIFICACIONES POR CADA BAFLE				
	FRONTAL	SURROUND	SUBWOOFER	CENTRAL
IMPEDANCIA DE ENTRADA	Altos 6 Ω , Bajos 12 Ω	6 Ω	6 Ω	6 Ω
SUPER WOOFER	16 cm	-----	-----	-----
WOOFER	16 cm	8 cm	(x2) 16 cm	(x2) 8 cm
TWEETER	6 cm	6 cm	-----	6 cm
DIMENSIONES (BxHxL)	209 x 432 x 296 mm	150 x 331 x 163 mm	209 x 432 x 348 mm	395 x 105 x 124 mm
PESO:	5,6 kg aprox.	1,55 kg aprox.	5,95 kg aprox.	1,7 kg aprox.

Panasonic

Notas:

- Las especificaciones están sujetas a cambios sin previo aviso.
- Los pesos y las dimensiones son aproximados.

Table Of Contents

1	Before Use	
2	Before Repair and Adjustment	
3	Protection Circuitry	
4	Safety Precautions	
4.1	General Guidelines	
4.1.1	Leakage Current Cold Check	
4.1.2	Leakage Current Hot Check (See Figure 1)	
5	Prevention of Electro Static Discharge (ESD) to Electrostatically Sensitive (ES) Devices	
6	Handling the Lead-free Solder	
6.1	About lead free solder (PbF)	
7	Cautions to be taken when handling Optical Pickup	
7.1	Handling Optical Pickup	
7.2	Replacing Precautions for Optical Pickup Unit	
7.3	Grounding for Preventing Electrostatic Destruction	
8	Precaution of Laser Diode	
9	Accessories	
10	Operation Procedures	
11	Disc information	
12	About HighMAT	
12.1	What is HighMAT?	
12.2	Why use HighMAT?	
12.3	The advantages of using HighMAT	
12.4	Outline of the HighMAT standard	
13	Procedure for repairing the set	
13.1	Distinguish the problem	
13.1.1	Troubleshooting Guide Part 1	
13.1.2	Troubleshooting Guide Part 2	
13.1.3	Checking of VIDEO COMPONENT OUTPUT	
13.2	Diagnosis of Optical Pick-up Unit	
14	Optical Pickup Self-Diagnosis and Replacement Procedure	
14.1	Self-diagnosis	
14.2	Cautions to Be Taken During Replacement of Optical Pickup and Spindle Motor	
14.2.1	Cautions to be taken during replacement of optical pickup	
15	Self-Diagnosis Function	
15.1	Automatic Displayed Error Codes	
15.1.1	Automatic Display Function	
15.1.2	Re-Display	
15.1.3	Description of Error Code	
15.2	Memorized Error Codes	
15.2.1	Activating Self-Diagnosis Function and Displaying Method	
15.2.2	Re-Display	
15.3	Mode Table 1	
15.4	DVD / CD Self-Diagnosis Error Code Description	
15.5	Error Codes Stored During No Play	
15.6	Mode Table 2	
15.7	Tray Lock Function	

- 15.7.1 Setting
- 15.8 Things to Do After Repair
- 16 Cautions To Be Taken During Servicing
- 16.1 Recovery after the dvd player is repaired
- 16.2 DVD Player Firmware Version Upgrade Process
- 16.3 Firmware Version Upgrade Process by Using Disc and Recovery Process
- 16.3.1 Self-Diagnosis Function
- 16.4 Using Recovery Disc
- 16.4.1 Recovery Process
- 16.4.2 Version Upgrade Process
- 16.5 Total Usage Time Display
- 16.6 After replacement of DVD Module
- 17 Disassembly and Assembly of Main Component
- 17.1 Disassembly flow chart
- 17.2 Disassembly of Top Cabinet
- 17.3 Disassembly for DVD changer unit
- 17.4 Disassembly for Panel P.C.B., MIC P.C.B. & Tact Switch P.C.B.
- 17.4.1 Disassembly of Lid
- 17.5 Disassembly of Main P.C.B., Speaker P.C.B., Sub Power P.C.B., Power P.C.B., Transformer P.C.B. & Voltage Selector P.C.B.
- 17.5.1 Disassembly of Sub Power P.C.B.
- 17.5.2 Disassembly of Speaker P.C.B.
- 17.5.3 Disassembly of Power P.C.B.
- 17.5.4 Disassembly of Transformer P.C.B. & Voltage Selector P.C.B.
- 17.6 Replacement for traverse deck
- 17.7 Replacement for optical pickup unit (DVD mechanism)
- 17.8 Procedure for removing CD loading mechanism
- 17.9 CR16 mechanism disassembly procedure
- 17.9.1 Gear for servicing information
- 17.9.2 Replacement for the disc tray
- 17.9.3 Replacement for the traverse deck
- 17.9.4 Disassembly for CD loading unit
- 17.10 CR16 MECHANISM ASSEMBLY PROCEDURE
- 17.11 Disassembly for Traverse Unit
- 17.12 Disassembly of Deck Mechanism Unit
- 17.12.1 Replacement for the CD motor ass'y, capstan belt A, capstan belt B and winding belt
- 17.13 Replacement for the cassette lid ass'y
- 17.14 Counter-measure for tape trouble
- 18 Service Position
- 18.1 Checking Procedure
- 18.2 Checking the Main P.C.B., Speaker P.C.B., Power P.C.B., Sub Power P.C.B., Transformer P.C.B., Voltage Selector P.C.B. and AC Inlet P.C.B.
- 18.3 Checking the Panel P.C.B., Tact P.C.B., Mic P.C.B., Deck P.C.B. & Deck Mechanism P.C.B.
- 19 Measurements and Adjustments
- 19.1 Cassette Deck Section
- 19.1.1 Head Azimuth Adjustment (Deck 1 / 2)
- 19.1.2 Tape Speed Adjustment (Deck 1 / 2)
- 19.1.3 Bias and Erase Voltage Check

- 19.1.4 Bias Frequency Adjustment (Deck 1 / 2)
- 19.2 Tuner Section
 - 19.2.1 AM-IF Alignment
 - 19.2.2 AM RF Adjustment
- 19.3 Alignment Points
 - 19.3.1 Cassette Deck Section
 - 19.3.2 Adjustment Point
- 20 Block Diagram
- 21 Schematic Diagram
 - 21.1 Optical Pickup Unit Circuit
 - 21.2 (A) DVD Module Circuit
 - 21.3 (B) Main Circuit
 - 21.4 (C) Panel Circuit , (D) Mic Circuit & (E) Tact Switch Circuit
 - 21.5 (F) Deck Circuit & (G) Deck Mechanism Circuit
 - 21.6 (H) Power Circuit
 - 21.7 (I) Sub Power Circuit
 - 21.8 (J) Speaker Circuit
 - 21.9 (K) Transformer Circuit, (L) AC Inlet Circuit, (M) Voltage Selector Circuit & (N) CD Loading Circuit
- 22 Printed Circuit Board
 - 22.1 (A) DVD Module P.C.B. (Side: A & B)
 - 22.2 (B) Main P.C.B.
 - 22.3 (C) Panel P.C.B.
 - 22.4 (D) Mic P.C.B. & (E) Tact P.C.B.
 - 22.5 (F) Deck P.C.B. & (G) Deck Mechanism P.C.B.
 - 22.6 (H) Power P.C.B.
 - 22.7 (I) Sub Power P.C.B. & (N) CD Loading P.C.B.
 - 22.8 (J) Speaker P.C.B.
 - 22.9 (K) Transformer P.C.B.
 - 22.10 (L) AC Inlet P.C.B. & (M) Voltage Selector P.C.B.
- 23 Wiring Connection Diagram
- 24 Illustration of ICs, Transistors and Diodes
- 25 Terminal Function of IC
 - 25.1 IC6800 (C2CBJG000460) System Microprocessor
- 26 Parts Location and Replacement Parts List
 - 26.1 Deck Mechanism (RAA3412-S)
 - 26.1.1 Deck Mechanism Parts Location
 - 26.1.2 Deck Mechanism Parts List
 - 26.2 DVD Loading Mechanism
 - 26.2.1 DVD Loading Mechanism Parts Location
 - 26.2.2 DVD Loading Mechanism Parts List
 - 26.3 Cabinet
 - 26.3.1 Cabinet Parts Location
 - 26.3.2 Cabinet Parts List
 - 26.4 Electrical Parts List
 - 26.5 Accessories Parts List

1 Before Use

Be sure to disconnect the mains cord before adjusting the voltage selector.

Use a minus(-) screwdriver to set the voltage selector (on the rear panel) to the voltage setting for the area in which the unit will be used. (If the power supply in your area is 117V or 120V, set to the “127V” position.)

Note that this unit will be seriously damaged if this setting is not made correctly. (There is no voltage selector for some countries, the correct voltage is already set.)

2 Before Repair and Adjustment

Disconnect AC power, discharge Power Supply Capacitors C5815~C5818, C5829~C5830, C5835~C5836 and C5841 through a 10 Ω , 5W resistor to ground.

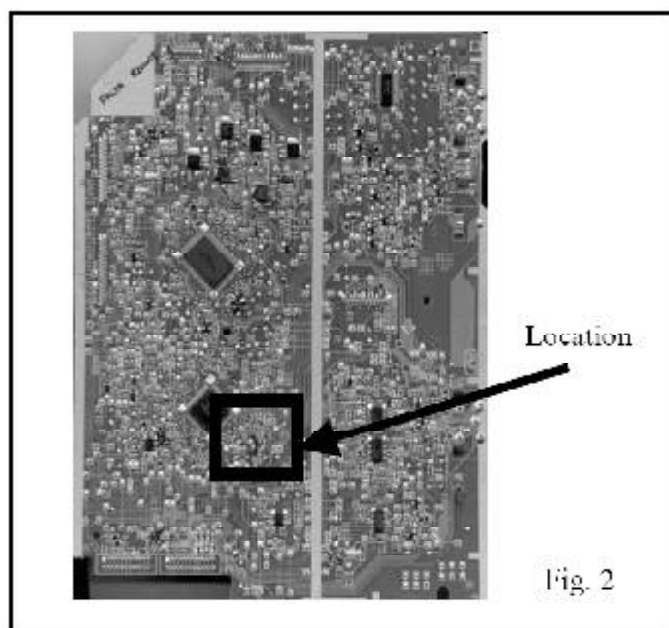
DO NOT SHORT-CIRCUIT DIRECTLY (with a screwdriver blade, for instance), as this may destroy solid state devices.

After repairs are completed, restore power gradually using a variac, to avoid overcurrent.

Current consumption at AC 110/127/220~230V, 50/60 Hz in NO SIGNAL at (vol. min, in CD mode) should be as below:

AC 50/60Hz	110 V	~ 1200 mA
	127 V	~ 1100 mA
	220-230 V	~ 700 mA
	240 V	~ 650 mA

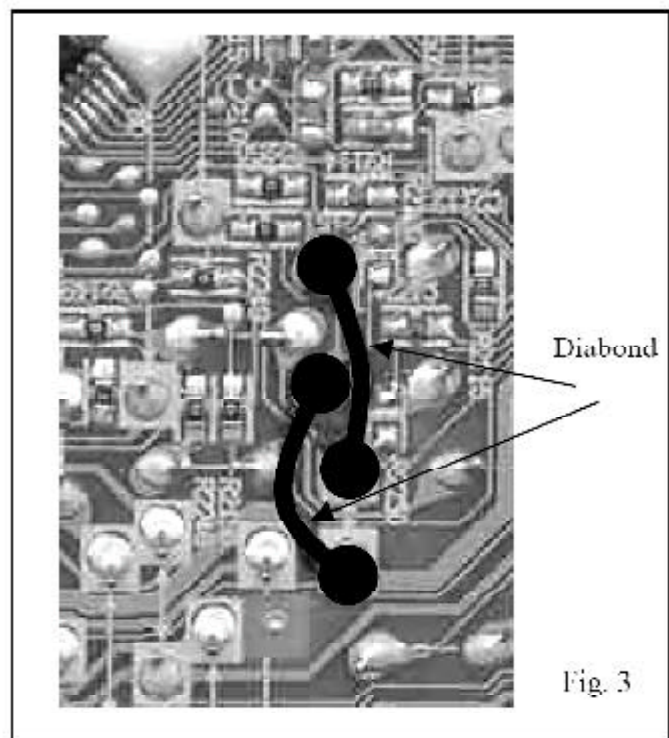
Step2. Locate soldering Points as showed in Fig.2



Step3. Solder the first resistor between W2346 and (-)C2236 Fig3.

Step4. Solder the second resistor between W2346 and (-)C2139 Fig3.

Step 5. Add Diabond to fix the resistor to the PCB. Fig.3



3 Protection Circuitry

The protection circuitry may have operated if either of the following conditions are noticed:

- No sound is heard when the power is turned on.
- Sound stops during a performance.

The function of this circuitry is to prevent circuitry damage if, for example, the positive and negative speaker connection wires are “shorted”, or if speaker systems with an impedance less than the indicated rated impedance of the amplifier are used. If this occurs, follow the procedure outlines below:

1. Turn off the power.
2. Determine the cause of the problem and correct it.
3. Turn on the power once again after one minute.

Note :

When the protection circuitry functions, the unit will not operate unless the power is first turned off and then on again.

3 Protection Circuitry

The protection circuitry may have operated if either of the following conditions are noticed:

- No sound is heard when the power is turned on.
- Sound stops during a performance.

The function of this circuitry is to prevent circuitry damage if, for example, the positive and negative speaker connection wires are

“shorted”, or if speaker systems with an impedance less than the indicated rated impedance of the amplifier are used.

If this occurs, follow the procedure outlines below:

1. Turn off the power.
2. Determine the cause of the problem and correct it.
3. Turn on the power once again after one minute.

Note :

When the protection circuitry functions, the unit will not operate unless the power is first turned off and then on again.

4 Safety Precautions

4.1 General Guidelines

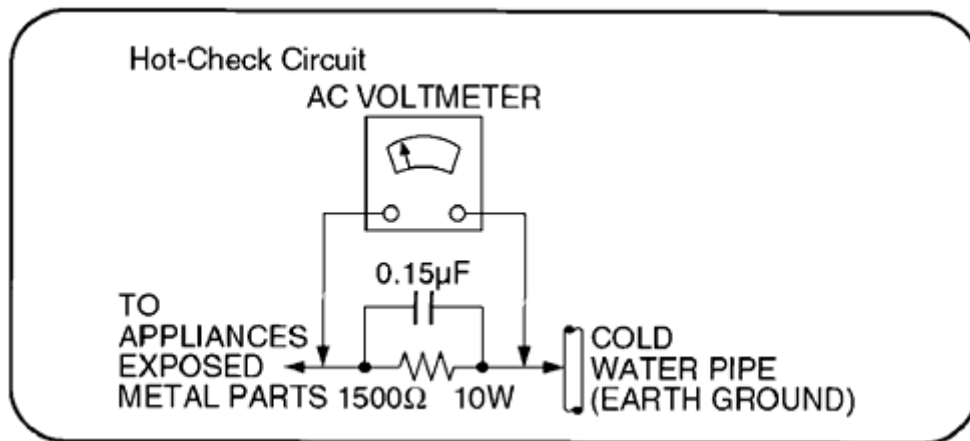
1. When servicing, observe the original lead dress. If a short circuit is found, replace all parts which have been overheated or damaged by the short circuit.
2. After servicing, see to it that all the protective devices such as insulation barriers, insulation papers shields are properly installed.
3. After servicing, make the following leakage current checks to prevent the customer from being exposed to shock hazards.

4.1.1 Leakage Current Cold Check

1. Unplug the AC cord and connect a jumper between the two prongs on the plug.
2. Measure the resistance value, with an ohmmeter, between the jumpered AC plug and each exposed metallic cabinet part on the equipment such as screwheads, connectors, control shafts, etc. When the exposed metallic part has a return path to the chassis, the reading should be between $1\text{M}\Omega$ and $5.2\text{M}\Omega$.

When the exposed metal does not have a return path to the chassis, the reading must be ∞ .

Figure 1



4.1.2 Leakage Current Hot Check (See Figure 1)

1. Plug the AC cord directly into the AC outlet. Do not use an isolation transformer for this check.
2. Connect a 1.5kΩ, 10 watts resistor, in parallel with a 0.15μF capacitor, between each exposed metallic part on the set and a good earth ground such as a water pipe, as shown in Figure 1.
3. Use an AC voltmeter, with 1000 ohms/volt or more sensitivity, to measure the potential across the resistor.
4. Check each exposed metallic part, and measure the voltage at each point.
5. Reverse the AC plug in the AC outlet and repeat each of the above measurements.
6. The potential at any point should not exceed 0.75 volts RMS. A leakage current tester (Simpson Model 229 or equivalent) may be used to make the hot checks, leakage current must not exceed 1/2 milliamp. In case a measurement is out of the limits specified, there is a possibility of a shock hazard, and the equipment should be repaired and rechecked before it is returned to the customer.

5 Prevention of Electro Static Discharge (ESD) to Electrostatically Sensitive (ES) Devices

Some semiconductor (solid state) devices can be damaged easily by electricity. Such components commonly are called Electrostatically Sensitive (ES) Devices. Examples of typical ES devices are integrated circuits and some field-effect transistors and semiconductor "chip" components. The following techniques should be used to help reduce the incidence of component damage caused by electro static discharge (ESD).

1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any ESD on your body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging ESD wrist strap, which should be removed for potential shock reasons prior to applying power to the unit under test.
2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as aluminium foil, to prevent electrostatic charge build up or exposure of the assembly.
3. Use only a grounded-tip soldering iron to solder or unsolder ES devices.
4. Use only an anti-static solder remover device. Some solder removal devices not classified as “anti-static (ESD protected)” can generate electrical charge to damage ES devices.
5. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ES devices.
6. Do not remove a replacement ES device from its protective package until immediately before you are ready to install it. (Most replacement ES devices are packaged with leads electrically shorted together by conductive foam, aluminium foil or comparable conductive material).
7. Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.

Caution

Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.

8. Minimize body motions when handling unpackaged replacement ES devices. (Otherwise harmless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity (ESD) sufficient to damage an ES device).

IMPORTANT SAFETY NOTICE

There are special components used in this equipment which are important for safety. These parts are marked by $\triangle$ in the schematic diagrams, Exploded Views and replacement parts list. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent shock, fire, or other hazards. Do not modify the original design without permission of manufacturer.

6 Handling the Lead-free Solder

6.1 About lead free solder (PbF)

Distinction of PbF P.C.B.:

P.C.B.s (manufactured) using lead free solder will have a PbF stamp on the P.C.B.

Caution:

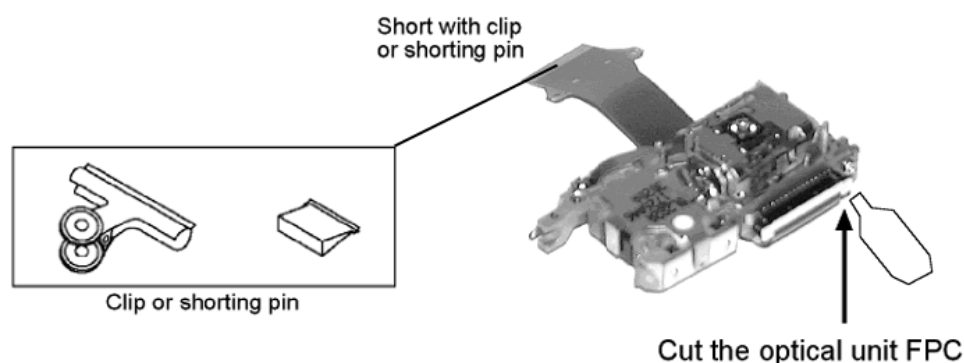
- Pb free solder has a higher melting point than standard solder; Typically the melting point is 50 - 70°F (30 - 40°C) higher. Please use a high temperature soldering iron. In case of soldering iron with temperature control, please set it to $700 \pm 20^{\circ}\text{F}$ ($370 \pm 10^{\circ}\text{C}$).
- Pb free solder will tend to splash when heated too high (about 1100°F/600°C).
- When soldering or unsoldering, please completely remove all of the solder on the pins or solder area, and be sure to heat the soldering points with the Pb free solder until it melts enough.

7 Cautions to be taken when handling Optical Pickup

The laser diode used inside optical pickup could be destroyed due to static electricity as a potential difference is caused by electrostatic load discharged from clothes or human body. Handling the parts carefully to avoid electrostatic destruction during repair.

7.1 Handling Optical Pickup

1. Do not impact on optical pickup as the unit structurally uses an extremely precise technology.
2. Short-circuit the flexible cable of optical pickup remove from the circuit board using a short-circuit pin or clip in order to prevent laser diode from electrostatic destruction (Refer to Fig. 7.1 and Fig. 7.2)
3. Do not handle flexible cables forcibly as this may cause snapping. Handle the parts carefully (Refer to Fig. 7.1)
4. A new optical pickup is equipped with an anti-static flexible cable. After replacing and connecting to the flexible board, cut the anti-static flexible cable.
(Refer to Fig. 7.1) Fig. 7.1



7.2 Replacing Precautions for Optical Pickup Unit

DVD/CD Optical Pickup

The optical pickup by which part supply was carried out attaches the short clip to the flexible board for laser diode electrostatic discharge damage prevention. Please remove the short clip and be sure to check that the short land is open, before connecting. (Please remove solder, when the short land short-circuits.)

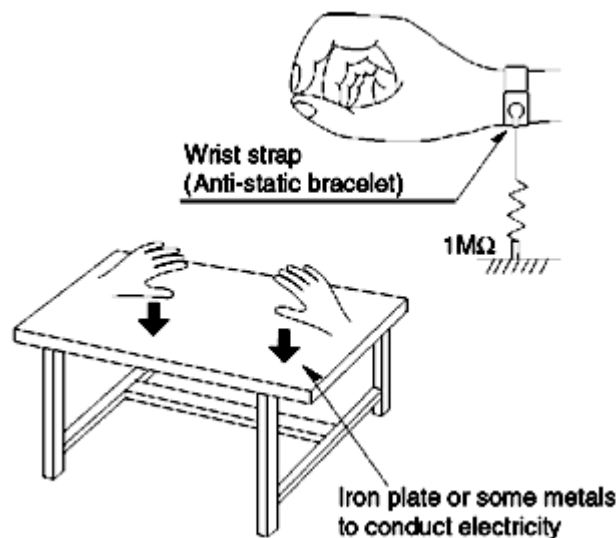
7.3 Grounding for Preventing Electrostatic Destruction

1. Human body grounding
2. Use the anti-static wrist strap to discharge the static electricity accumulated in your body. (Refer to Fig. 7.2)
3. Work place grounding

Place a conductive material (conductive sheet) or iron board where optical pickup is placed. (Refer to Fig. 7.2) Note :

Keep your clothes away from optical pickup as wrist strap does not release the static electricity charged in clothes.

Fig. 7.2



8 Precaution of Laser Diode

Caution :

This product utilizes a laser diode with the unit turned "ON", invisible laser radiation is emitted from the pick up lens.

Wavelength : 662 nm(DVD)/785 nm(CD)

Maximum output radiation power from pick up : 100 μ W/VDE

Laser radiation from pick up unit is safety level, but be sure the followings:

1. Do not disassemble the optical pick up unit, since radiation from exposed laser diode is dangerous.
2. Do not adjust the variable resistor on the pick up unit. It was already adjusted.
3. Do not look at the focus lens using optical instruments.
4. Recommend not to look at pick up lens for a long time.

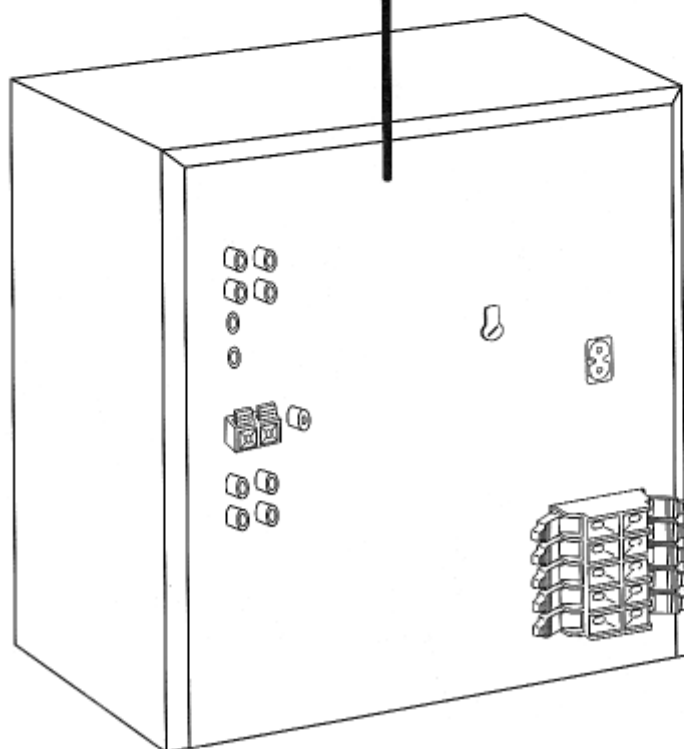
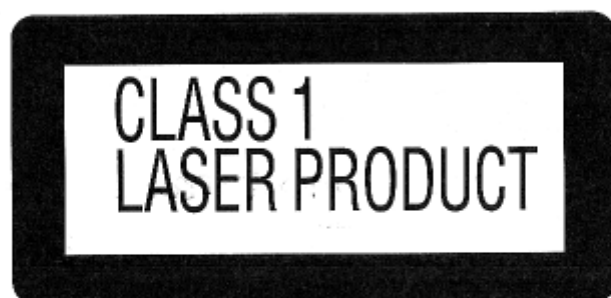
CAUTION!

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.

☐ [Use of Caution Labels](#)

CAUTION	- LASER RADIATION WHEN OPEN. DO NOT STARE INTO BEAM.	FDA 21 CFR / Class II
CAUTION	- VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN. AVOID EXPOSURE TO BEAM.	IEC60825-1 / Class 3b
VARNING	- SYNLIIG OCH OSYNLIIG LASERSTRÅLNING NÄR DENNA DEL ÄR ÖPPNAD. BETRÄKTA EJ STRÅLEN.	
ADVARSEL	- SYNLIIG OG USYNLIIG LASERSTRÅLING VED ÅBNING. UNDGÅ UDSÆTTELSE FOR STRÅLING.	
ADVARSEL	- SYNLIIG OG USYNLIIG LASERSTRÅLING NÄR DEKSEL ÅPNES. UNNGÅ EKSPONERING FOR STRÅLEN.	
VARO!	- AVATTAESSA OLET ALTTIINA NÄKYVÄÄ JA NÄKYMÄTÖN LASERSÄTEILYLLE. ÄLÄ KATSO SÄTEESEEN.	
VORSICHT	- SICHTBARE UND UNSICHTBARE LASERSTRAHLUNG, WENN ABDECKUNG GEÖFFNET. NICHT DEM STRAHL AUSSETZEN.	
ATTENTION	- RAYONNEMENT LASER VISIBLE ET INVISIBLE EN CAS D'OUVERTURE. EXPOSITION DANGEREUSE AU FAISCEAU.	
注意	- 打开时可见及不可见激光辐射，避免激光辐射。	
注意	- ここを開くと可視及び不可視レーザー光が出ます。 ビームを見たり、触れたりしないで下さい。	

(Inside of product)

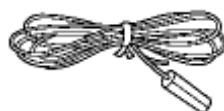


9 Accessories

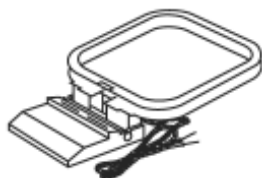
Remote Control
N2QAJB000110



FM Indoor Antenna
RSA0007-L



AM Indoor Antenna
N1DAAA00001



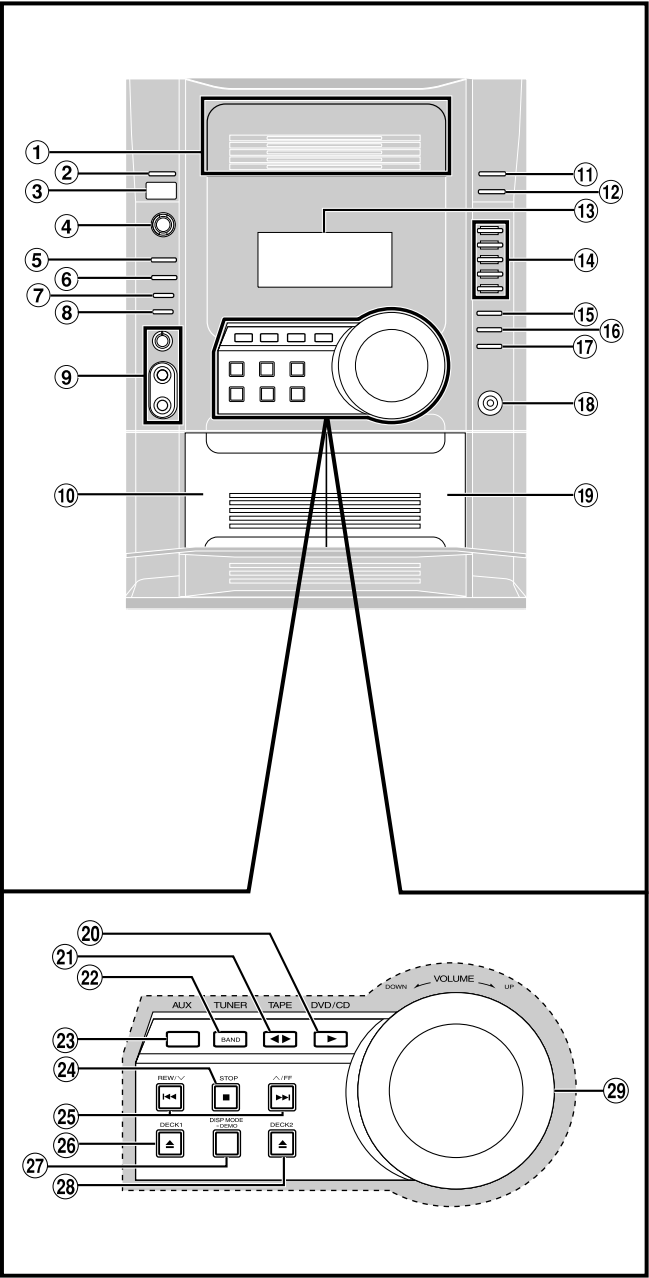
Video Cable
RJL1P016B15A



10 Operation Procedures

Control de la Guía de Referencia

Unidad Principal



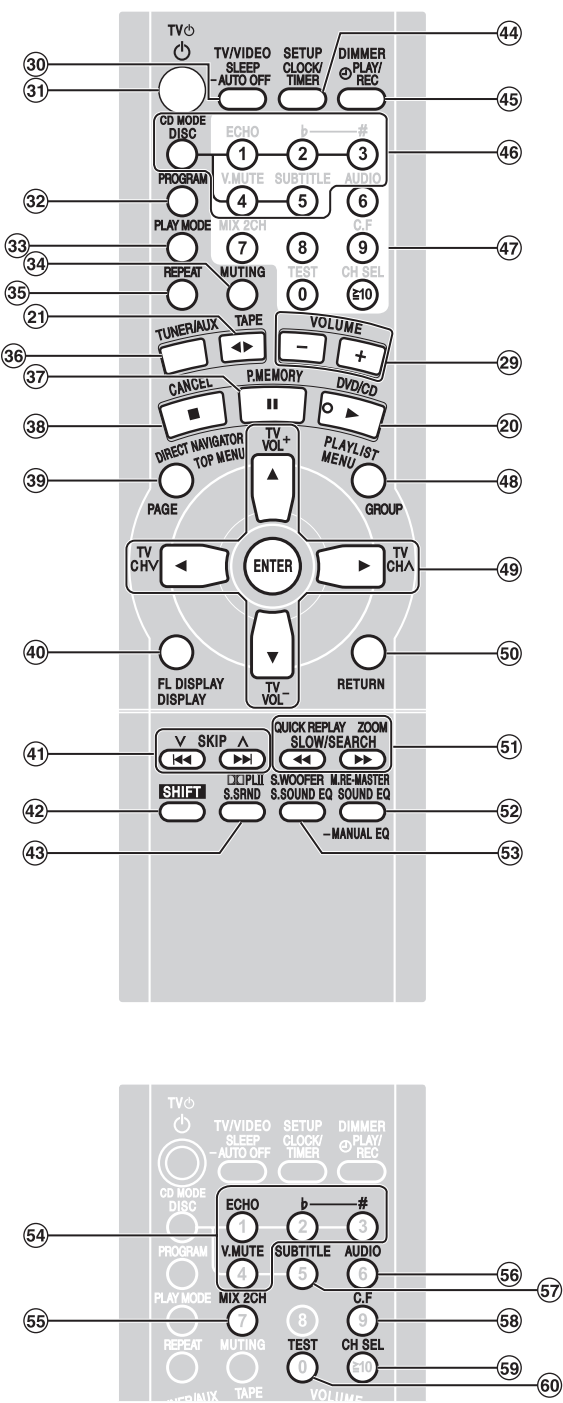
- ① Bandeja de Discos
- ② Botón para chequeo de Disco [DISC CHECK]
- ③ Sensor para la señal del Control Remoto
- ④ Indicador para el suministro de CA [AC IN]
El indicador se enciende cuando la unidad se conecta al suministro principal CA
- ⑤ Botón de encendido y modo de espera [⏻/⏷]
Presione el botón para encender la unidad o en modo de espera. La unidad consumirá una pequeña cantidad de energía.
- ⑥ Botón Multi Re-master [MULTI RE-MASTER]
- ⑦ Botón Super Surround [SUPER SURROUND]
- ⑦ Botón selector de compartimento [DECK 1/2]
- ⑧ Botón para Grabar [● REC]
- ⑨ Control de volumen de micrófono [MIC VOL MIN, MAX]
Entrada de micrófono [MIC 1, 2]
- ⑩ Compartimento para casete 1
- ⑪ Botón para abrir y cerrar la bandeja de Disco [OPEN/CLOSE ▲]
- ⑫ Botón para cambio de Disco [DISC CHANGE ▲]
- ⑬ Desplegado
- ⑭ Botones para reproducción directa DVD/CD [1-5]
- ⑮ Botón Super Sonido EQ [SUPER SOUND EQ]
- ⑯ Botón Sonido EQ [SOUND EQ]
- ⑰ Botón Subwoofer [SUBWOOFER]
- ⑱ Entrada para Audífonos [PHONES]
- ⑲ Compartimento para casete 2

Consola Central

- ⑳ Botón Reproductor de DVD/CD [▶, DVD/CD]
- ㉑ Botón para reproducir y direccionar cintas [◀▶, TAPE]
- ㉒ Botón para seleccionar la banda de emisoras [BAND, TUNER]
- ㉓ Botón para reproducción de la unidad auxiliar [AUX]
- ㉔ Botón para detener una acción [■, STOP]
- ㉕ Botón para salto del disco, búsqueda, reproducción de movimiento lento, avanzar y retroceder cinta, sintonizar y ajustar emisora, ajuste del tiempo del reloj. [◀◀, REW/∨, ▶▶, ∩/FF]
- ㉖ Botón para abrir compartimento 1 [▲, DECK 1]
- ㉗ Modo de desplegado y botón para demostración [DISP MODE, -DEMO]
- ㉘ Botón para abrir compartimento 2 [▲, DECK 2]
- ㉙ Control de Volumen [VOLUME DOWN, UP]

Control de la Guía de Referencia

Control Remoto



- 30 Botón para programar el tiempo de apagado , apagado automático, televisión y video [SLEEP, -AUTO OFF, TV/VIDEO]
- 31 Botón para iniciar sesión y para apagar y encender el televisor [, TV]
- 32 Botón de Programa [PROGRAM]
- 33 Botón para seleccionar el modo de reproducción [PLAY MODE]
- 34 Botón para enmudecer el sonido [MUTING]
- 35 Botón de repetición [REPEAT]
- 36 Botón para frecuencias de radio y unidad auxiliar [TUNER/AUX]
- 37 Botón Pausa y Posición de Memoria [II, P. MEMORY]
- 38 Botón Detener y Cancelar [■, CANCEL]
- 39 Botón para seleccionar Menú, Navegador Directo y Página [TOP MENU, DIRECT NAVIATOR, PAGE]
- 40 Botón Desplegado y Desplegado FL [DISPLAY, FL DISPLAY]
- 41 Botón para salto del disco, avanzar y retroceder cinta, sintonizar y ajustar emisora, ajuste del tiempo del reloj. [I◀, ▶I, ∨ SKIP ^]
- 42 Botón de Cambio [SHIFT]
Para uso en funciones con etiqueta en naranja: Manteniendo presionado [SHIFT], presione el botón correspondiente.
- 43 Botón Super surround, Dolby Pro Logic II [S.SRND, PL II]
- 44 Botón para seleccionar el modo de visualización y ajuste del reloj [CLOCK/TIMER, SETUP]
- 45 Botón para la reproducción y grabación con el tiempo, así como para opacar la iluminación [⊙ PLAY/REC, DIMMER]
- 46 Botón para el modo de CD, Selección de disco [DISC, CD MODE], Botón para el disco [1-5]
- 47 Botones numerados [0-9, ≥10]
- 48 Botón Menú, Lista de Reproducción y Grupo [MENU, PLAYLIST, GROUP]
- 49 Botones direccionales [▲, ▼, ◀, ▶], Botón ejecutar acción [ENTER]
Estos botones siguen las siguientes funciones.
[▲, ▼]: Botones del volumen del televisor [TV VOL +, TV VOL -]
[◀, ▶]: Botones para seleccionar canales del televisor [TV CH ∨, TV CH ^]
- 50 Botón para retroceder [RETURN]
- 51 Botones para sintonizar, reproducción lenta y búsqueda [◀◀, ▶▶, SLOW/SEARCH]
Estos botones siguen las siguientes funciones.
[◀◀]: Botón de repetición rápida [QUICK REPLAY]
[▶▶]: Botón para cambiar el enfoque [ZOOM]
- 52 Botón Sound EQ, Manual EQ y Multi remaster [SOUND EQ, -MANUAL EQ, M.RE-MASTER]
- 53 Botón Super Sound EQ, Subwoofer [S.SOUND EQ, S.WOOFER]
- 54 Botón Eco [ECHO]
- 55 Botones de control de llave (Key) [b, #]
- 56 Botón enmudecer voz [V.MUTE]
- 57 Botón para mezclar 2 canales [MIX 2CH]
- 58 Botón de Audio [AUDIO]
- 59 Botón de Subtítulo [SUBTITLE]
- 60 Botón del Foco Central [C.F]
- 61 Botón de selección de canal [CH SELECT]
- 62 Botón para señal de prueba [TEST]

11 Disc information

Información del Disco

Discos que pueden ser reproducidos

Disco	Logo	Indicación para las instrucciones operables	Comentarios	
DVD-RAM		RAM	Para grabar en versión 1.1 el Formato de Grabación de Video (unifica un criterio de la grabación en video)	• Grabar con DVD-Video grabación, DVD-Video cámaras, computadora personal, etc. • Quite los discos de sus cartuchos antes del uso.
		JPEG	Graba usando el criterio DCF (Design rule for Camera File system) Regla de diseño para el sistema de archivo de la Cámara.	• Grabar con Panasonic DVD-Video grabaciones. • Para desplegar archivos en JPEG, seleccione "Play as Data Disc" en otro menú (→ pag. 21).
DVD-Audio		DVD-A	-----	
		DVD-V	Algunos discos de DVD-Audio traen consigo contenido del DVD-Video. Para reproducir el contenido del DVD-Video, seleccione "Play as DVD-Video" en otro menú (→ pag. 21)	
DVD-Video		DVD-V	-----	
DVD-R			La finalización* y grabación de los Panasonic DVD-R aplica en Panasonic DVD-Video grabación o DVD-Video cámara y que son reproducidas en DVD-Video con esta unidad.	
Video CD		VCD	-----	
SVCD			Conformado para IEC62107	
CD		CD	Esta unidad es compatible con HDCD, pero esta no tendría soporte para una función de un nivel alto. (Una función que expande el rango dinámico de una señal de alto nivel). HDCD-encodifica mejor sonido de los CDs porque esta lo traduce con 20 bits y es comparado con 16 bits para cualquier otro CD. • Durante la reproducción "HDCD" esta aparece desplegada en la unidad principal.	
CD-R CD-RW	-----	WMA MP3 JPEG CD VCD	• Esta unidad puede reproducir CD-R/RW (Disco para grabación de audio) grabando con los formatos de la izquierda. Cierre la sesión o finalice* el disco después de grabar. • Discos HighMAT. Sólo archivos WMA, MP3 o JPEG. Para reproducir sin usar la función HighMAT, seleccione "Play as Data Disc" en otro menú (→ pag. 21).	

* Un proceso que permite reproducir en un equipo compatible.

• No puede ser posible reproducir los discos anteriores en todos los casos debido al tipo de disco o la condición de la grabación.

■ Discos que no pueden ser reproducidos

DVD-ROM, CD-ROM, CDV, CD-G, DVD+R,+RW,DVD-RW, SACD, Divx Video Discs y Photo CD, DVD-RAM este no puede ser removido por otro cartucho, 2.6-GB y 5.2-GB DVD-RAM, y "Chaoji VCD" disponible en el mercado incluyendo CVC,DVCD Y SVCD.

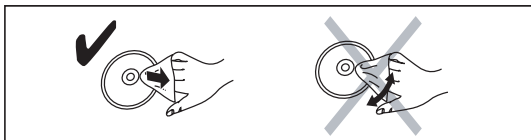
Reproduciendo DVDs y Video CDs

El reproductor de estos discos tiene el control como usted al escucharlos, no siempre será capaz de tener dominio al reproducirlos como se describe en este operativo de instrucciones (Por ejemplo si el tiempo de reproducción no es desplegado o si un Video CD trae consigo menús). Lea las instrucciones de los discos cuidadosamente.

■ Para limpiar sus discos

DVD-A DVD-V VCD CD

Limpie con una tela húmeda y después límpiela con una tela seca.



RAM DVD-R

- Opcional si lo desea, limpie con un disc cleaner DVD-RAM/PD.
- Nunca use trapos o limpiadores para CDs, etc.

■ Cuidados al manipular los discos

- No coloque discos con formas irregulares, sucios o rayados.
- No escriba en el disco con un bolígrafo u otro instrumento con punta o filo.
- No utilice aerosoles de limpieza de discos, bencina, diluyentes líquidos, antiestáticos u otro tipo de solvente.
- No pegue papeles, etiquetas o cintas en el disco. Ni utilice discos con etiquetas semi-desprendidas o con la etiqueta fuera del disco.

■ Video Sistemas

- Esta unidad puede reproducir PAL y NTSC, pero su televisor deberá emparejarse al sistema usado en el disco.
- Los discos PAL no pueden verse correctamente en una televisión NTSC.
- Esta unidad puede convertir las señales NTSC para PAL 60 para verse en un televisor PAL (→ pag. 22, "Video" tab - Capacidad del disco NTSC).

Tips para la realización de discos WMA/MP3, CD texto y JPEG.

- Los Discos están conformados para ISO9660 nivel 1 o 2 (excepto para extender formatos).
- Esta unidad es compatible con multi-sesión pero si estas son demasiadas sesiones esto toma mas tiempo para reproducir al comenzar. Cuide el número de sesiones para evitarse al mínimo grado esta situación.

Nombrando archivos y carpetas

En el tiempo de grabado, prefije la carpeta y el nombre del archivo con un número de 3 dígitos en el orden que desee para reproducirlo después (esto hace que no se trabaje todo el tiempo).

Los archivos con las siguientes extensiones son:

".WMA" o ".wma"

".MPE" o ".mp3"

".JPG", ".jpg", ".JPEG" o ".jpeg"

WMA

No podrá reproducir archivos WMA que sean copias protegidas.

MP3

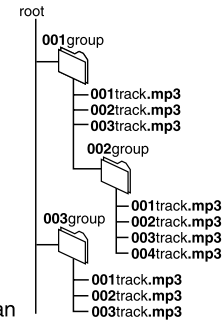
- Esta unidad no es compatible con etiqueta ID3.
- La proporción compatible 8, 11.02, 12, 16, 22.05, 24, 32, 44.1 y 48 kHz.

JPEG

- Para ver los archivos JPEG en esta unidad.

Tome en una cámara digital con estas condiciones de DCF (Regla de Diseño para Sistema de Archivo para Cámara) Versión 1.0. Algunas cámaras tienen funciones que no cuentan con el DCF Standard Version 1.0 que tienen rotación automática de cuadro y que en algunos casos este no es viable.

Ejemplo: MP3



No altere los archivos de ninguna forma o salve después sobre un nombre diferente.

Esta unidad no puede desplegar cuadros en movimiento, Movimiento en JPEG y otros formatos semejantes, aún otros cuadros en JPEG (ejemplo: TIFF) o reproducción asociada al sonido.

Windows Media y el logo Windows son marcas de fábrica, o registradas por marcas de fábrica de Microsoft Corporation en los Estados Unidos y otros países.



WMA es un formato de compresión desarrollado por Microsoft Corporation. Este logra la misma calidad de sonido en MP3 con el tamaño de archivo que es mas pequeño que de MP3.

MPEG Layer-3 audio decodificando tecnología licencia por Fraunhofer IIS y Thomson multimedia



HighMAT y el logo HighMAT son otras marcas de fábrica o registradas, marcas de fábrica de Microsoft Corporation en los Estados Unidos y otros países.

12 About HighMAT

12.1 What is HighMAT?

This word combines the abbreviations of Matsushita Electric Industrial Co. Ltd. and High Performance Media Access Technology, and is a trademark of Microsoft Corporation. The products with the HighMAT logo shown below are made according to the HighMATstandard.

HighMAT is a format that allows users to save digital contents such as photographs, audio, and images on a CD. This gives consistency in the way of reading data when general consumer products (such as DVD players) and PCs are used, and thus, it is easy to operate for the user.

12.2 Why use HighMAT?

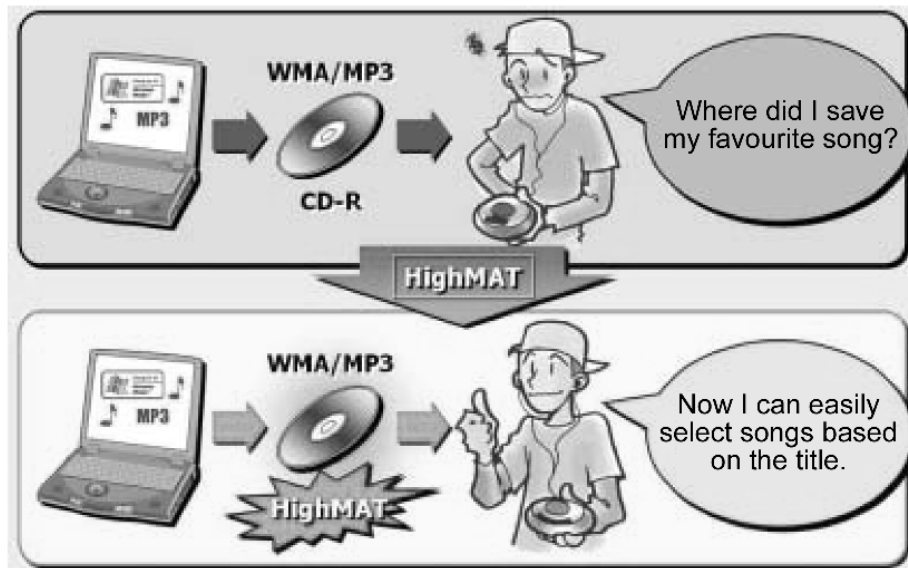
Up to now, there was no harmonized standard from playing digital content stored in CD-ROM formats (including CD-R) on consumer products like DVD players. Therefore, we used to have problems such as follow:

- There was no common play list or attached information on contents, which is called metadata.
- The data compression method differed according to the equipment.
- As the number of CD-ROMs recorded increased retrieved the contents became more difficult.
- Because display and operation methods were different depending on the equipment, the play order of the content on the same disc could change.

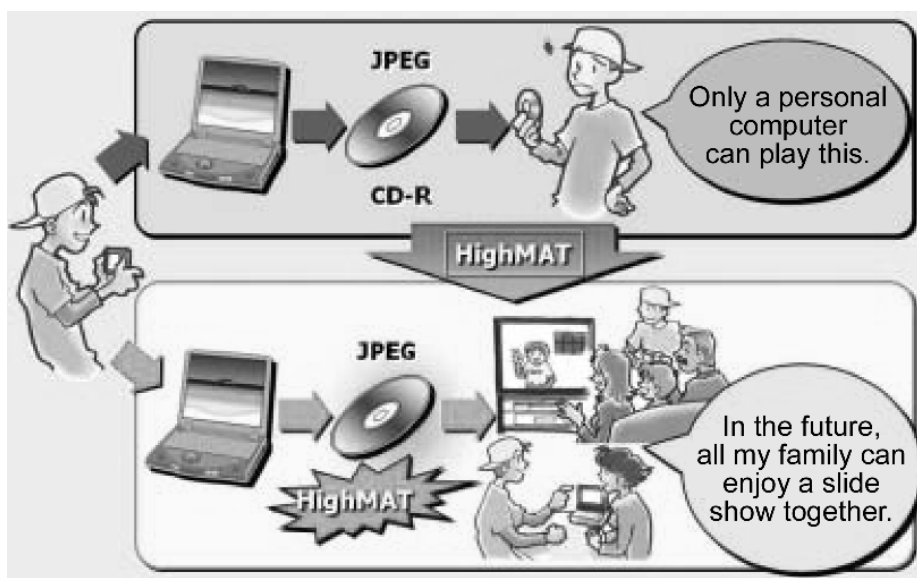
12.3 The advantages of using HighMAT

Applying the HighMAT standard will solve the following problems and will improve usability.

- It will create a common user interface for both PC and consumer products.



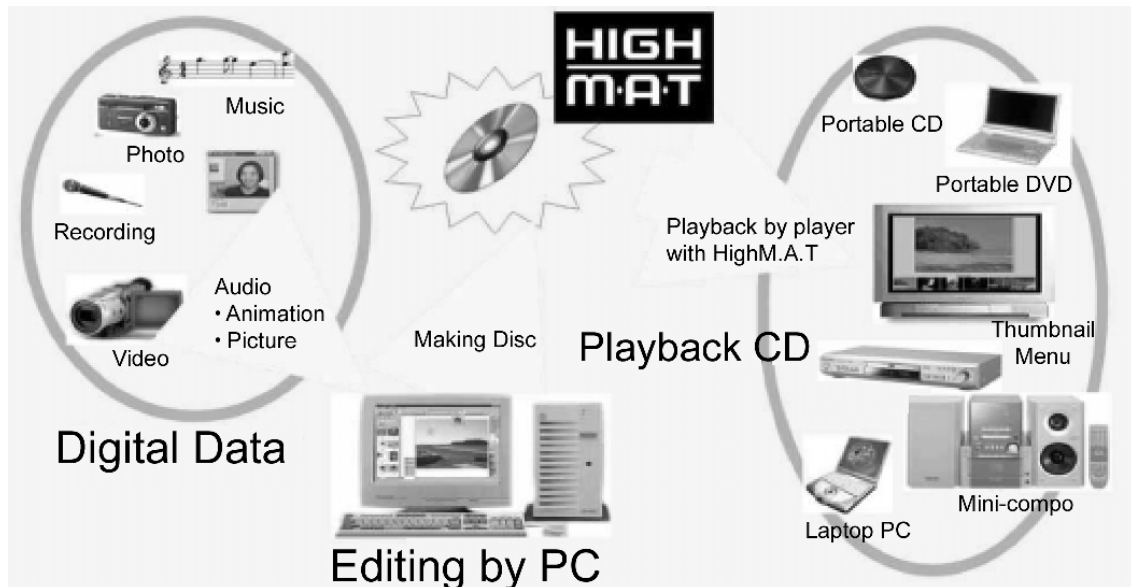
- Regardless of the types of consumer products, such as DVD players, portable CD players, car stereos, and micro computers, a consistent way to pay for digital content will be created and it will make it easier to retrieve data.



- You can also play digital content on the disc, which was created in accordance with the HighMAT format with a conventional CD-ROM player.

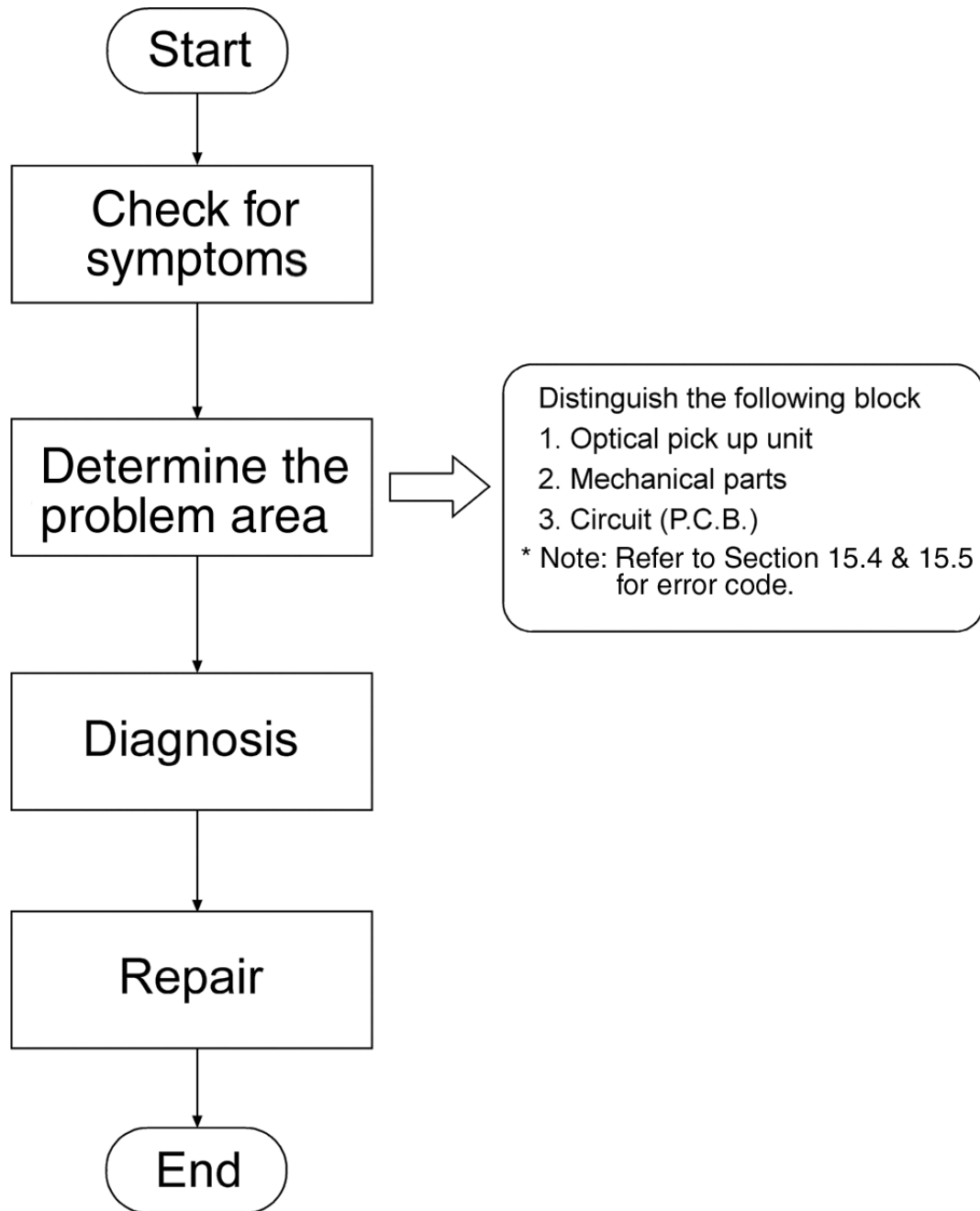
12.4 Outline of the HighMAT standard

1. Recording medium
 - CD-R/CD-RW
 - Supports ISO 9660 Level Expanded Joliet
 - For multiple session



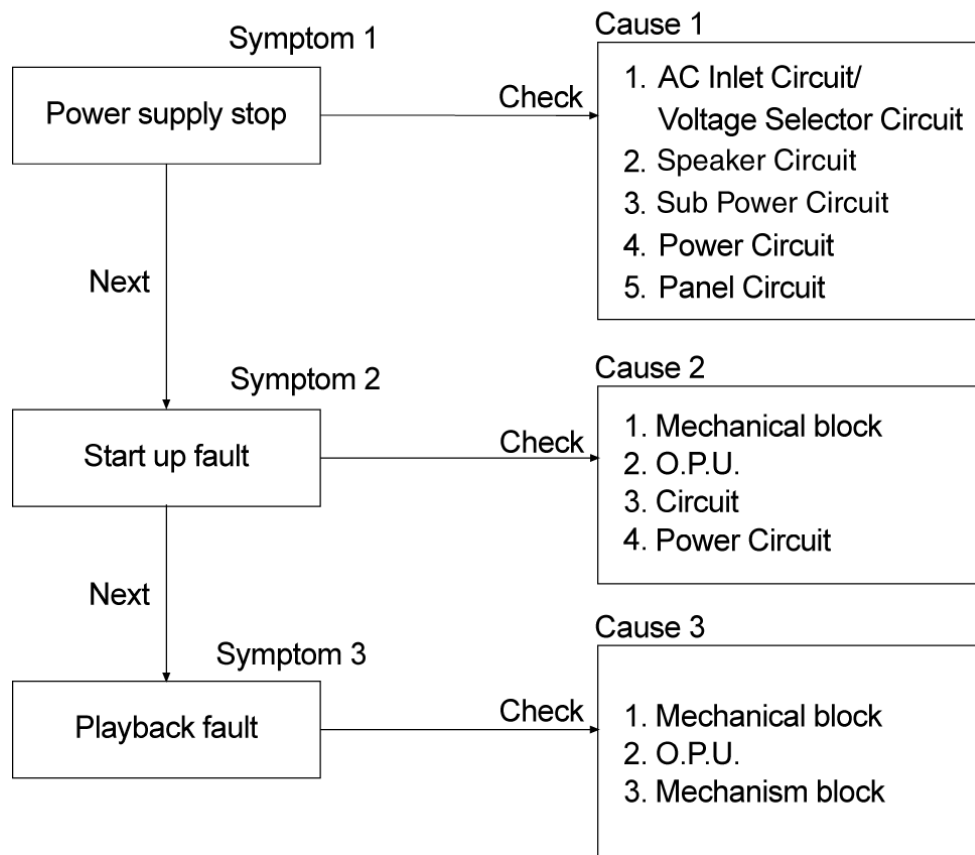
2. Support data format
 - Level 1 player: WMA, MP3 (MPEG-1 Audio Layer 3)
 - Level 2 player: WMA, MP3 (MPEG-1 Audio Layer 3), JPEG
 - Level 3 player: WMA, MP3 (MPEG-1 Audio Layer 3), JPEG, WMV, MPEG4 (optional)
3. Limitation of data format
 - WMA, MP3 (MPEG-1 Audio Layer 3) 64 kbps - 160.999 kbps, 44.1 KHz, stereo, fixed bit rate/ variable bit rate.
 - WMA, V2 and above, excluding Lossless/Voice/Pro
 - JPEG: Max 6M pixel, Maximum file size: 3 MB
4. Limitations regarding the number of files on the media, etc.
 - Total number of audio files: Maximum 450
 - Total number of still picture files: Maximum 999
 - Total number of animation files: Maximum 200
 - Total number of directories: Maximum 400
 - Length of a file name: Maximum 108 characters (Unicode)
 - Total number of play lists: Maximum 200
 - Number of contents in the playlist: Maximum 900
5. Composition of HighMAT disc
 - Menu: Classified for the navigation of the HighMAT digital contents. When menu selected, its submenu or the play list will be displayed.
 - Play list: A list in which one or more digital contents are arranged in order
 - Group: Sub-divided group of a play list.
 - Digital Contents: Audio, still picture, and animation data.

13 Procedure for repairing the set



13.1 Distinguish the problem

- Check flow



How to distinguish the trouble

1. View mechanical part if visual damage occurred.

Confirm the movement of mechanical parts assembly (tray ass'y, loading mechanism ass'y, etc.).

2. Diagnose if Optical Pickup Unit is faulty (refer to diagnosis of Optical Pickup Unit).
3. If mechanism and OPU are OK, it is P.C.B.

13.1.1 Troubleshooting Guide Part 1

Checking Points	Possible Faults	Possible Reasons	Countermeasure
AC Inlet Circuit/Voltage Selector Circuit	1. Failure to power-up the main unit. 2. Power On switch	- Wrong selection of AC power to main unit. - Voltage selector is faulty. - AC inlet JK500 is faulty. - AC Line filter L500 is faulty. - Power On switch broken.	- Replace of fuse if found faulty. - Replace of voltage selector if found faulty. - Replace of AC Inlet if found faulty or damaged. - Replace AC Line filter is found faulty or damaged. - Replace Power On button switch if necessary. - If conditions as mentioned above is in good condition. Check for wire connection. (W1/W2/W3/W4/W6/W7). If connection is good, please proceed to check for Transformer Circuit.
	3. Intermittent Power supply to main unit.	Check for connection.	If condition 1 to 4 as mentioned above is in good condition. Check for wire connection. (W1/W2/W3/W4/W6/W7). If connection is good, please proceed to checkfor Transformer Circuit
Transformer Circuit	1. No power supply voltage to the Power Circuit from AC In.	- Transformer no output voltage. - Power Line filter relay RL502. - D950 open circuit.	- Replace of Transformer T501 if found faulty. - Replace of Power Relay if found faulty.
Speaker Circuit	1. No supply voltage to Power Supply Circuit from Transformer Circuit. (+VccL/+VccH/-VccL/-VccH)	- Fuse F3/F4 blown. - Rectifier Circuit problem.	- Replace fuse F3/F4 if found faulty. - Replace D5832/D5831/D5846/D5847 if any is found to be faulty or damage.
	1. No supply voltage to Main & Power Supply Circuit from Transformer Circuit. (+VccL/+VccH/-VccL/-VccH)	- Rectifier Circuit problem. - F5801/FP5802 open circuit.	- Replace D5844 if found faulty. - Replace FP5801/FP5802 of the same type as indicated in the part-list if found faulty.
	1. No supply voltage to Panel Circuit.	- Q5815/D5835 faulty. (-VP voltage not sufficient to power FL display at - 30V) - Q5816/D5839 faulty. (Sys 6V not sufficient to power micro-processor IC at 6V.	- Replace Q5815/D5835 if found faulty. - Replace Q5816/D5839 if found faulty.

Sub Power Circuit	1. No output FL/FR output signal.	No supply voltage to IC5803. (+VccL/+VccH/-VccL/-VccH/+Vd/-Vd).	Replace IC5803 if found faulty.
Power Circuit	1. No +9V/-9V/SW5V/8V/LED9V/M010V Supply Voltage to Main Circuit.	IC5802 problem. (Check pin 2,8,9,10,11 for voltages)	Replace IC5802 if found faulty.
	2. No output SL/SR/C signal (Check for input signal before troubleshooting for IC5801.)	IC5801 problem. (Check pin 1,2,5 for output signal)	Replace IC5801 if found faulty.

13.1.2 Troubleshooting Guide Part 2

Checking Points	Possible Faults	Possible Reasons	Countermeasure
Deck Circuit	1. No PLAYBACK (PB)/Rec signal.	- IC1001 problem. (Check pin 23/24 for PB input, pin 5/20 for PB output). - Q1013/Q1012 shorted to ground with no muting OFF. - Q1020/Q1021 shorted to ground with no muting OFF.	- Replace IC1001 if necessary. - Replace Q1013/Q1012 if necessary. - Replace Q1020/Q1021 if necessary.
	2. Bias frequency.	L1002 /IC1004/ Q1004/Q1005 problem. Check level of bias frequency and oscillation.	Replace these components if necessary when level is below specification.
	3. No supply voltage (+B/M0+B)	See section on Panel Circuit.	
Panel Circuit	1. FL No Display	-Vp too low to power FL display. - FL Display Driver IC problem. (IC6803)	- See section on Power Circuit. - Replace IC6803 is faulty.
	2. Error codes	See section on error codes (Micro-processor IC6800)	
Main Circuit	1. Audio Signal (I/P & O/P) problem.	Check for IC2815.	Replace IC2815 if faulty.

	2. Video Signal problem.	Refer to below section.	
--	--------------------------	---	--

13.1.3 Checking of VIDEO COMPONENT OUTPUT

VIDEO SIGNAL	Y	C	CR/PR/R	CB/PB/B	PY/Y/G
Input	Pin 5 (IC2809)	Pin 3 (IC2809)	Pin 14 (IC2809)	Pin 12 (IC2809)	Pin 8 (IC2809)
VIDEO SIGNAL	Y	C	CR	CB/PB/B	PY
Output	Pin 24/25 (IC2809)	Pin 32 (IC2809)	Pin 17 (IC2809)	Pin 19 (IC2809)	Pin 21/22 (IC2809)

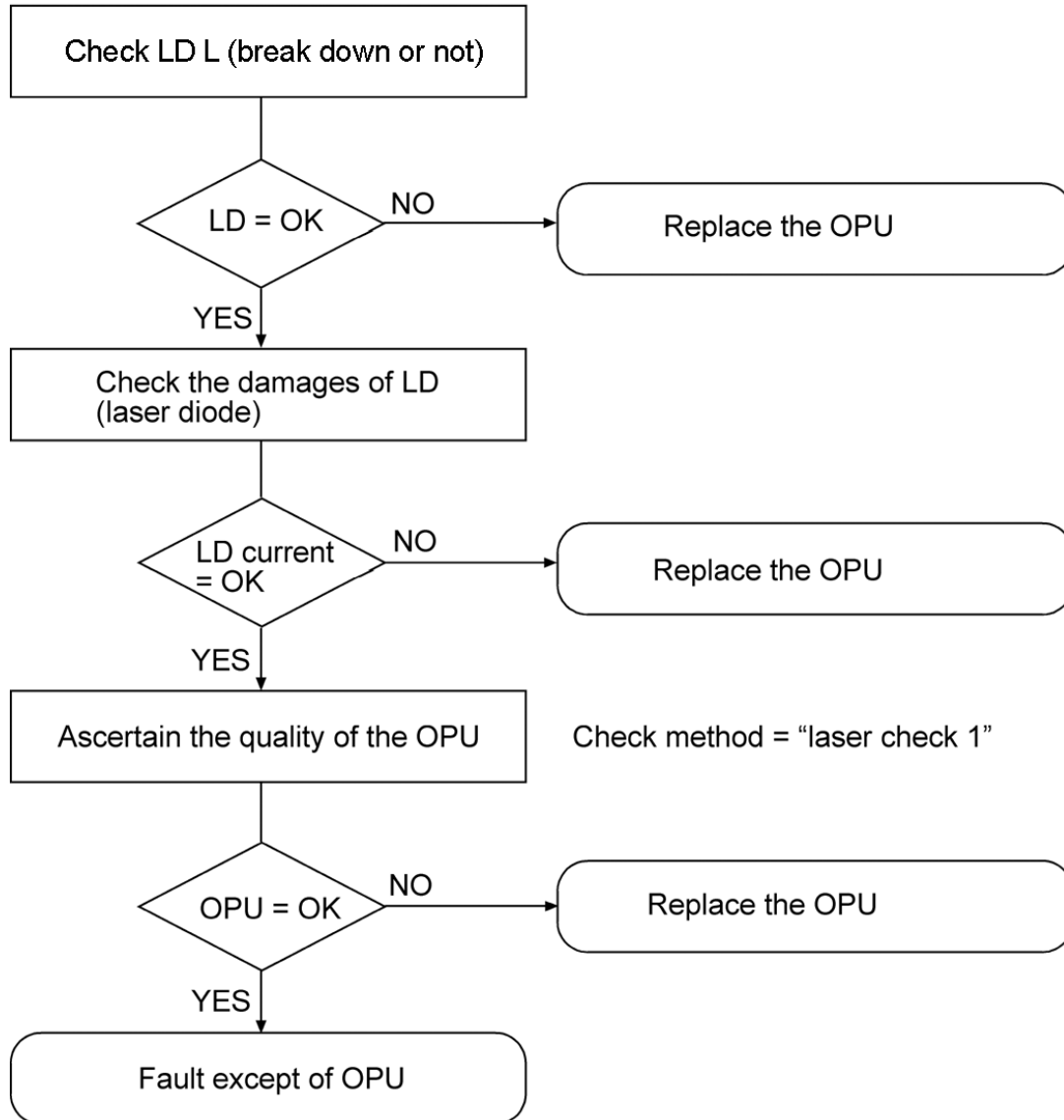
Terminal Definition (IC2809 - C9ZB00000377)

Pin No	Pin Name	Pin Description
21/22	PYOUT1/PYOUT2	Signal Output Terminal for luminance signal (progressive type)
17/19	CrOUT/CbOUT	Signal Output Terminal for color-difference signal
32	COUT	Signal Output Terminal for chroma signal
29/30	MIXOUT1/MIXOUT2	Signal Output Terminal for Y/C Mix Signal
24/25	YOUT1/YOUT2	Signal Output Terminal for luminance signal (interlaced type)
3/12/14	CIN/CBIN/CRIN	Input signal terminal for chroma signal and color difference
5/8	YIN/PYIN	Input signal terminal for luminance signal

13.2 Diagnosis of Optical Pick-up Unit

Diagnosis Method

Diagnose the OPU by the following procedure



Note : When LD does not emit light after replacing the OPU, check the LD drive circuit in the module P.C.B.

[How to distinguish Laser destruction/damage](#)

Confirmation 1

Remove cover of mechanism block so that you will see the lens of optical pickup.

Confirm emission of laser at the moment when power switch is turned on.

If there is no laser emission, laser diode is faulty.

Confirmation 2

While press and hold “STOP” on main unit , press “Display” button on the remote controller. Unit display laser current on FL.

From the reading of display, you can judge if laser diode is damaged or not.

Reading on the right side should be less than 70. If reading is more than 70, laser is damaged.

How to confirm if Optical Pickup is OK

Confirmation 1

1. Confirmation of jitter value with test disc. (Refer below for how to check jitter)
2. Lens cleaning.
3. Reconfirm jitter value.
4. Perform tilt adjustment. (Refer to tilt adjustment)
5. Reconfirm jitter value. (To confirm jitter value, while pressing “STOP” on main unit and “5” on remote controller.)

Unit display jitter value on FL.

Confirmation 2

If servo is very unstable due to optical error and you cannot confirm jitter value, clean the lens and check appearance of pick up unit (cutting coil of actuator, etc), then check circuitry.

Principio del formulario

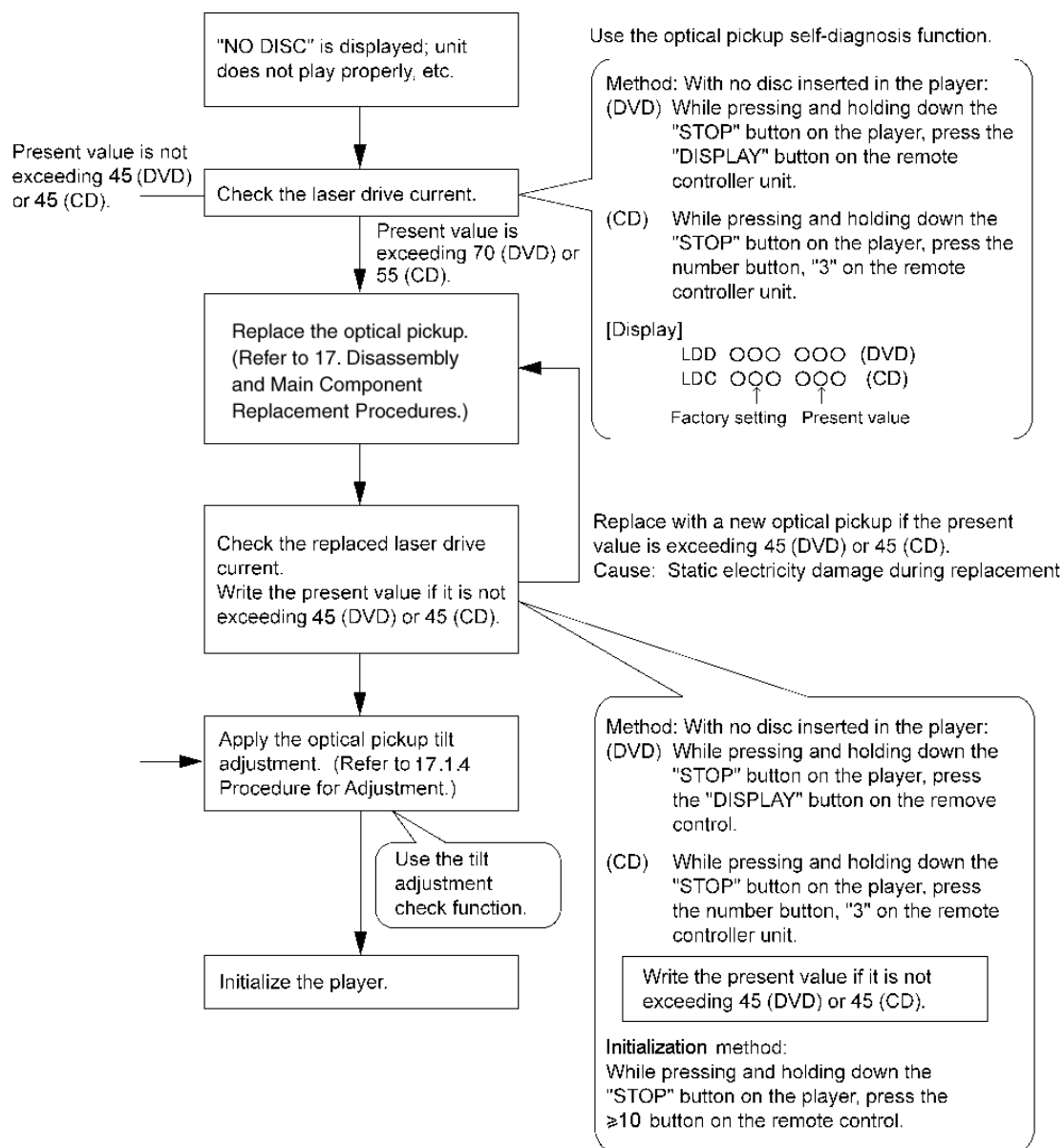
14 Optical Pickup Self-Diagnosis and Replacement Procedure

14.1 Self-diagnosis

This unit is equipped with the optical pickup self-diagnosis function and the tilt adjustment check function. Follow the procedure described below during repair in order to perform self-diagnosis and tilt adjustment effectively. Especially when “NODISC” is displayed, be sure to apply the self-diagnosis function before replacing with an optical pickup.

Replacement of optical pickup generally requires when the present value of laser drive exceeds 45 (DVD) or 45 (CD).

Note: Start diagnosis within three minutes after turning on the power (as diagnosis fails when the unit becomes warm).



14.2 Cautions to Be Taken During Replacement of Optical Pickup and Spindle Motor

Before replacing the optical pickup and spindle motor, check a total usage time respectively. Follow the checking method described below.

Item	Status and Key Function	Display
Checking DVD, CD laser usage time	With the unit stopped and no disc inserted, press the.  button on the player and the  button on the remote controller unit.	T1_ xxxx_yyyy xxxx(DVD), yyyy(CD): total time is displayed with a four-digit number by the ten hours.
Checking spindle motor usage time	With the unit stopped and no disc inserted, press the  button on the player and the  button on the remote controller unit.	T2_ xxxx xxxx: total time is displayed with a four-digit number by the ten hours.
Resetting DVD, CD laser usage time	While the DVD and CD laser usage times are displayed, press the  button on the player and the  button on the remote controller unit.	T1_0000_0000
Resetting spindle motor usage time	While the spindle motor usage time is displayed, press the  button on the player and the  button on the remote controller unit.	T2_0000

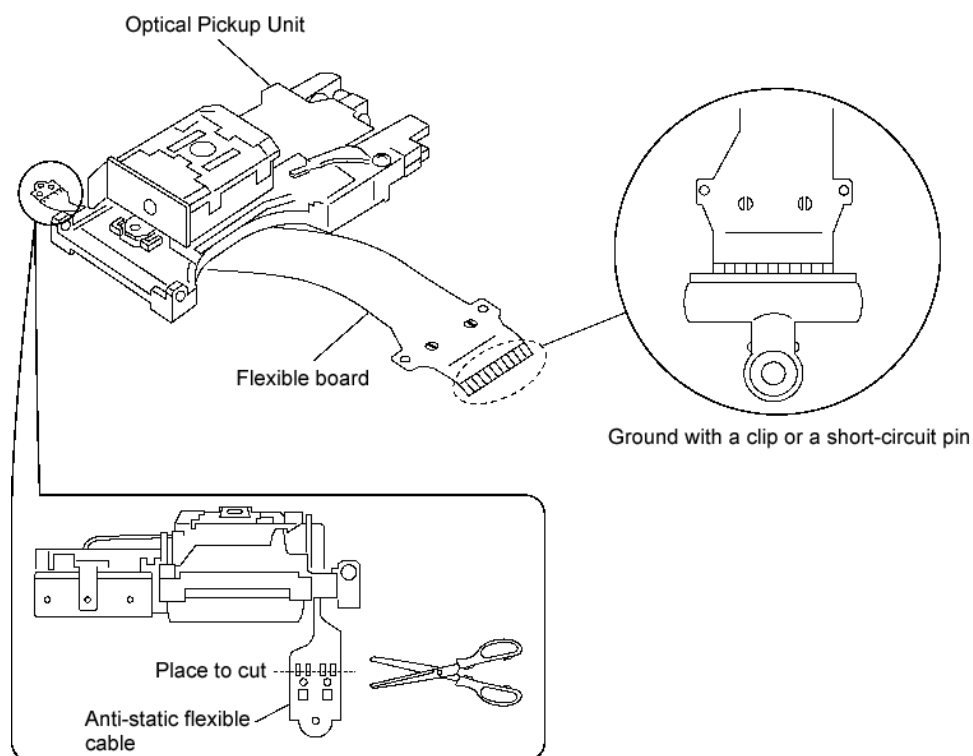
14.2.1 Cautions to be taken during replacement of optical pickup

Optical pickup could be damaged due to the static electricity discharged from human body. Wear proper protection gear against static electricity during optical pickup and its peripheral repair. (Refer to “Cautions to Be Taken When Handling Optical Pickup”.)

- Do not touch laser diode, actuator and their peripherals.
- Do not check laser diode with a tester and such. (The tester will be destroyed.)
- For short-circuiting or removing laser diode, the use of an anti-static soldering iron is recommended. (Recommended model: HAKKO ESD product)
- Solder the land of the flexible cable in the optical pickup.

Note:

If an anti-static soldering iron is not available, short-circuit the terminal surface of the flexible cable and then the land using a clip or equivalent device.



15 Self-Diagnosis Function

This unit is equipped with the self-diagnosis function, which displays an error when it occurs, for use during servicing.

15.1 Automatic Displayed Error Codes

15.1.1 Automatic Display Function

For a power unit error, the code is automatically displayed.

- **F61:**

Automatically displayed on the LCD of the player.

15.1.2 Re-Display

- **For F61 Display**
 - When the code, F61 is displayed, the power is automatically turned off.

- The code, F61 is displayed for three seconds, and then the current time appears.
- To retrieve the code, turn on the power button so that the code F61 appears, however, is switched to time display after three seconds, and the power is automatically turned off.
- [For F76 Display](#)
 - The abnormalities is an output or the abnormalities in a power supply of POWER AMP IC.

15.1.3 Description of Error Code

15.1.3.1 F61

- [State, Condition](#)

When the power is turned on, the unit is automatically turned off. The power does not turn on.

- [Cause, Troubleshooting](#)

Power circuit system failure and/or direct current flown to speaker terminal
Identify the cause and replace with new parts.

15.2 Memorized Error Codes

15.2.1 Activating Self-Diagnosis Function and Displaying Method

1. Turn on the power.
2. Select DVD/CD function. With no DVD/CD inserted in the player, press and hold down the

■ button for at least two seconds, and press the “0” button on the remote control for at least two seconds in order to display “DVD_F_ _ _”.

3. Press the

■ button. If a memorized error is detected, the result of self diagnosis is displayed.
(Ex.: T H15)

If several errors are detected, press the

■ button to display each.

15.2.2 Re-Display

- Press the power button to turn off the power, and then turn on the power.
- The details of self diagnosis are stored in the unit memory.
To retrieve them, follow the procedure described the above, “Activating Self-Diagnosis Function and Displaying Method”.

15.3 Mode Table 1

Following modes are available with combinations of the pressed buttons on the player and on the remote controller unit.

Player	Remote Controller Unit	Usage
 button	0	Error code display (Refer to the Item 15.4. DVD Error Code Description)
	5	Tilt adjustment (Jitter)
	6	Region number and broadcasting system check
	8	Built-in program version check (Micro-P)
	DISPLAY	DVD laser drive current check
	3	CD laser drive current check
	PAUSE	Writing of laser drive current value after replacement of optical pickup (Do use this function only when optical pickup is replaced.)
	 10	Initialization of the player (factory setting is restored.) Used after replacement of micro-computer and its peripherals and printed circuit board.

15.4 DVD/CD Self-Diagnosis Error Code Description

Error Code	State, Conditon	Cause, Troubleshooting
H15	The disc tray cannot be opened: it closes spontaneously.	Disc tray open/close detection switch (S1001) failure. (Check and replace)
H16	The disc tray cannot be closed: it opens spontaneously.	

Error Code	Meaning	Details
U. H. Error		
U11	Focus servo failure	
H01	Tray loading failure	
H02	Spindle servo failure	(Spindle servo, DSC, SP motor, CLV servo failure)
H03	Traverse motor failure	
H04	Tracking servo error	
H05	Seek timeout failure	
H06	Power supply error	
DSC system		

F500	DSC failure	DSC stops due to servo failure. (Startup, focus failure, etc.)
F501	DSC not Ready failure	Communication failure between DSC and system computer (No communication because DSC does not move)
F502	DSC Time out failure	See F500.
F503	DSC communication failure	Communication failure (Result failure occurs after communication command is transmitted.)
F505	DSC Attention Error	See F500.
F506	Invalid media	Disc is placed upside down; TOC is unreadable or invalid disc is inserted.
Disc Code		
F103	Illegal highlight position	Disc standard is possibly illegal when highlight is displayed.
IIC Error		
F4FF	Forced initialization failure (Time out)	
F880	Unsuitable task number	When a message arrives from not existing task
F890	A message is sent during AV task transmission	During transmission of a message to AV task
F891	Unable to transmit a message to AV task	When transmission of a message to AV task starts
F893	DVD Module problem	Check for firmware version
F894	EEPROM failure	
F895	Firmware compatibility problem	Check for firm version for Main & DVD Module P.C.B.
F897	Initialization is not done properly	Follow proper steps for initialization & reset
F8A0	Unsuitable message command	When transmission of a message to AV task starts

15.5 Error Codes Stored During No Play

Error Code	Meaning	System Computer Item	Setting Task	Internal error in system computer
F0BF	6) Unable to replay due to physical layer identification failure	PCND_NOPLAY_PHYSICAL 0x50	DriveManager	0xD0BF
F0C0	8) DVD: Unable to replay due to no DVD Video/Audio/VR	PCND_NOPLAY_VIDEO 0x70	DiscManager	0xD0C0
F0C1	9) DVD: Prohibited due to illegal regional code	PCND_NOPLAY_RCD 0x80	DiscManager	0xD0C1
F0C2	A) DVD: No replay due to PAL system	PCND_NOPLAY_PAL 0x90	DiscManager	0xD0C2
F0C3	B) DVD: All title replay prohibited in parental setting	PCND_NOPLAY_PTL 0xA0	DiscManager	0xD0C3
F0C4	C) VCD: Prohibited due to PHOTO CD format	PCND_NOPLAY_PHOTOCD 0xB0	DiscManager	0xD0C4
F0C5	D) VCD/CD: Prohibited due to CD-ROM without CD-DA	PCND_NOPLAY_CDROM 0xC0	DiscManager	0xD0C5

15.6 Mode Table 2

Following modes are available with combinations of the pressed buttons on the player and on the remote controller unit.

Item	Operational Condition and Key	Details	Display	TO Exit Mode
------	-------------------------------	---------	---------	--------------

	Function			
Jitter display	While the player is stopped and no disc is inserted, press and hold down the  button on the player and the number button, “5” on the remote controller unit.	Jitter display Measures and displays jitter. Measurement is repeated every second. Read error counter starts at 0 at the mode setting, and increased by one as data read fails at target block. A small defect is allowed to correct by retry. Any possibility is counted as one increment. Repetitive errors after retry increase by two levels or more.	J*1 xxx*2 _yy*3 _zz*4 *1 : Jitter display mode *2 : Jitter measurement value *3 : Read error counter *4 : Focus driving value Values are shown to one decimal place in the decimal digit. Focus driving value is displayed in the hexadecimal digit.	Press the STOP or OPEN button.
Error code display	While the player is stopped and no disc is inserted, press and hold down the  button on the player and the number button, “0” on the remote controller unit.	Error code display Displays the latest error code stored in EEPROM.	DVDnn_F--- *nn: Error history *--: Error number DVD 01 FOB	Press the OPEN button.
Measurement of laser current electricity initialization value	While the player is stopped and no disc is inserted, press and hold down the  button on the player and the  button on the remote controller unit.	Measurement of laser current electricity initialization value Memorizes each initialization value of DVD and CD in EEPROM.	LDO*1 _013*2 _032*3 *1 : Laser current electricity measurement mode *2 : DVD current electricity value *3 : CD current electricity value Values are shown in the decimal digit. The above example indicates that the current electricity initialization value is 13mA at DVD laser and 32mA at CD laser when laser is turned on.	Automatically exits the mode after five seconds.
Measurement of DVD laser current electricity	While the player is stopped and no disc is inserted, press and hold down the  button on the player and the DISPLAY button on the remote controller unit.	Measurement of DVD laser current electricity Measures DVD laser current electricity and displays the result together with the initialization value stored in EEPROM. After measurement, DVD laser is lit till the power is turned off (or goes off when the primary power is turned off).	LDD*1 _012*2 _014*3 *1 : DVD laser current electricity measurement mode *2 : Current electricity initialization value stored in EEPROM *3 : Present value of current electricity Values are shown in the decimal digit. The above example indicates that the current electricity initialization value is 12mA and its present value is 14mA.	Automatically exits the mode after five seconds.
ADSC internal RAM display	While the player is stopped and no disc is inserted, press and hold down the  button on the player and the number button “1” or “2” on the remote controller unit.	ADSC internal RAM display Reads and displays the RAM value inside ADSC. The address is renewed when the CLEAR key is pressed so that the values at eleven points appear.	A*1 _FB0*2 _0000*3 *1 : ADSC internal RAM display mode *2 : Address *3 : RAM value at displayed address Values are shown in the hexadecimal digit. The above example indicates that ADSC value at the address, FB0h is 0000h.	Press the STOP or OPEN button.
Measurement of CD laser current	While the player is stopped and no disc is inserted, press and hold down the	Measurement of CD laser current electricity Measures CD laser current electricity and	LDC*1 _032*2 _032*3	Automatically exits the mode

electricity	is inserted, press and hold down the  button on the player and the number button “3” on the remote controller unit.	displays the result together with the initialization value stored in EEPROM. After measurement, CD laser is lit till the power is turned off (or goes off when the primary power is turned off).	*1 : CD laser current electricity measurement mode *2 : Current electricity initialization value stored in EEPROM *3 : Present value of current electricity Values are shown in the decimal digit. The above example indicates the current electricity initialization value is 28mA and its present value is 26mA when laser is turned on.	after five seconds.
User initialization	While the player is stopped and no disc is inserted, press and hold down the  button on the player and the number button  10 on the remote controller unit.	User initialization The user setting recovers the factory setting.	“INITIALIZE”	-
Region display	While the player is stopped and no disc is inserted, press and hold down the  button on the player and the number button, “6” on the remote controller unit.	Region display	[srrrxyzzzz] s : Panecon model type rrr : Panecon release number x : Syscon generation (45) y : Syscon model type zzz : Syscon release number	Automatically exits the mode after five seconds.
Firmware version display	While the player is stopped and no disc is inserted, press and hold down the  button on the player and the number button, “7” on the remote controller unit.	Firmware version display	rrr*1 _xx*2 y*3 zzz*4 *1 : Panel computer release number *2 : System computer generation *3 : System computer model type *4 : System computer release number	Automatically exits the mode after five seconds.
Region and firmware display	While the player is stopped and no disc is inserted, press and hold down the  button on the player and the number button, “8” on the remote controller unit.	Region and firmware version display	_r*1 __xx*2 y*3 zzz*4 *1 : Region number *2 : System computer generation *3 : System computer model type *4 : System computer release number	Automatically exits the mode after five seconds.
Laser use time	While the player is stopped and no disc is inserted, press and hold down the  button on the player and the  button on the	Laser usage time Measures each for DVD and CD respectively.	T1_1234_5678 The numbers in the left show usage time for DVD laser and those in the right for CD laser. The four-digit number is shown by the ten hours in the decimal digit. The number after 0000 is 9999.	Automatically exits the mode after five seconds.

	remote controller unit.			
Reset laser use time	While the usage time 1 is displayed, press and hold down the  button on the player and the  button on the remote controller unit.	Laser usage time reset Resets both for DVD and CD at once.	T1_0000_0000	Automatically exits the mode after five seconds.
Spindle use time	While the player is stopped and no disc is inserted, press and hold down the  button on the player and the  button on the remote controller unit.	Spindle motor usage time	T2_1234 The four-digit number is shown by the ten hours in the decimal digit. The number after 00000 is 99999.	Automatically exits the mode after five seconds.
User reset	While the player is stopped and no disc is inserted, press “STOP” & “ENTER” on remote control.	Reset the unit.	“DVD RESET”	Automatically exits the mode after five seconds.
Reset spindle use time	While the usage time 2 is displayed, press and hold down the  button on the player and the  button on the remote controller unit.	Usage time 2 reset Spindle motor usage time	T2_0000	Automatically exits the mode after five seconds.
Communication error display	While the player is stopped and no disc is inserted, press and hold down the  button on the player and the MENU button on the remote controller unit.	Displays frequency of communication errors between system computer firm IC and mechanical computer IC during DVD module.	ERR_00/30	Automatically exits the mode after five seconds.

15.7 Tray Lock Function

15.7.1 Setting

- **Disc Lock Function**

1. With the SELECTOR on DVD/CD and POWER ON, hold down the [ STOP] KEY on the main unit, and then press the [POWER] KEY on the remote control for 3 seconds to enter to Lock mode A. [__ _ LOCKED _] will be displayed for 3 seconds, and then current disc will begin playing.
2. In Lock mode A, the following key is disabled.

[OPEN/CLOSE]

- **Operation Lock Function**

1. With the SELECTOR on DVD/CD and POWER ON, hold down the [CD PLAY] KEY on the main unit, and then press the [POWER] KEY on the remote control for 3 seconds to enter Lock mode B.

[__ _ LOCKED _] will be displayed for 3 seconds, and the current disc will begin playing.
2. Lock mode B primarily controls the selector and disc operations, and disenables for the following keys.

Note:

OPEN/CLOSE

 button are invalid and the player displays “__ _ LOCKED _” while the lock function mode is entered.

- **Prohibiting operation of selector and disk**

1. Select the DVD/CD function.
2. Press and hold down the

 button on the player and the power button on the remote controller unit for at least three seconds. (The message, “__ _ LOCKED _” appears when the function is activated.)

- **Note:**

- The following buttons are invalid and the player displays “__ _ LOCKED _” while the lock function mode is entered.

Main unit: **PLAY**, **PAUSE**, **STOP**, **▲OPEN/CLOSE**, **▼SKIP▲**,
DISC EXCHANGE, **◀◀/REVERSE**, **▶▶/FORWARD**

Remote control: **PLAY MODE**, **CANCEL**, **PLAY**, **MENU**,
TOP MENU, **ENTER**

15.8 Things to Do After Repair

Follow the procedure described below after repair.

1. While the power is on, press the

▲button to close the tray.

2. Press the power button to turn off the power.
3. Unplug the power cable.

Note:

It is prohibited to unplug the power cable while the tray is opened and to close the tray manually.

16 Cautions To Be Taken During Servicing

16.1 Recovery after the dvd player is repaired

- When Flash ROM or DVD Module P.C.B. is replaced, carry out the recovery processing to optimize the drive. Playback the recovery disc to process the recovery automatically.
- Recovery disc (Product number=RFKZD03R005)
- Performing recovery
 1. Load the recovery disc (Product number: RFKZD03R005) to the player and run it.
 2. Recovery is performed automatically. When it is finished, a message appears on the screen.
 3. Remove the recovery disc.
 4. Turn off the power.

16.2 DVD Player Firmware Version Upgrade Process

Firmware of DVD player may upgrade to conform to improvement of its performance and quality including operational range, playability of non-standardized discs, etc. The version upgrade disc contains the recovery function, and the recovery disc is not necessary.

Note:

Version upgrade process cannot be complete if the AC power is cut off due to power failure and other occasions during the process. If this occurs, replace FLASH ROM IC and restart version upgrade. Version upgrade disc number is informed when ordered.

16.3 Firmware Version Upgrade Process by Using Disc and Recovery Process

- Recovery process
- Firmware version upgrade process

Both of the above procedures automatically start when the recovery disc is replayed. General CD-R disc allows version upgrade process and recovery process, making version upgrade through disc simple.

Recovery process: Optimization process of player after replacement of FLASH ROM, EEPROM, or module circuit board

Version upgrade process: Renewal of firmware for improvement of operational range and performance

16.3.1 Self-Diagnosis Function

- Total usage time display (spindle motor, DVD/CD laser)
- ADSC internal RAM display
- Others: Last error count.....20 items

Efficiency of failure diagnosis is expected to improve by using the above functions together with the repair process.

[Purpose of Use]

Total usage time display: used for estimating a failure due to exhausted spindle motor, laser, or other parts.

ADSC internal RAM display: used for deciding servo system failure according to servo learning values.

16.4 Using Recovery Disc

1. Insert the recovery disc (RFKZD03R005) to the player to replay.
2. The recovery process automatically starts, and a message of completion prompts on the screen.

3. Remove the disc.
4. Turn off the power.

16.4.2 Version Upgrade Process

1. Insert the recovery disc to the player to replay.
2. The version of player is automatically checked and prompts if necessary.
3. Select version upgrade process using the cursor keys on the remote controller unit. (Select YES or NO)
4.
 - a. If YES is selected, the process starts.
 - b. If NO is selected, only the recovery process is applied.
5.
 - a. When the version upgrade process is complete, a message of completion appears on the screen. Remove the disc.
 - b. Follow the instruction appearing on the screen, and remove the disc.
6. Turn off the power.

16.5 Total Usage Time Display

1. Details of Operation/Display

1 2 3 4 5 6 7 8	Total usage time of DVD/CD lasers Time is shown by the ten hours in the decimal digit.
____ T 2 _ 1 2 3 4	Total usage time of spindle motor Time is shown by the ten hours in the decimal digit.

Keys for Operation:

Laser usage time: While the player is stopped and no disc is inserted, press both the

■ button on the player and the

▲ button on the remote controller unit.

Spindle motor usage time: While the player is stopped and no disc is inserted, press both the

■ button on the player and the

▶ button on the remote controller unit.

To reset the usage time, [while the usage time is displayed:](#)

Laser usage time: press both the

■ button on the player and the

▼ button on the remote controller unit.
Spindle motor usage time: press both the

■ button on the player and the

◀ button on the remote controller unit.

2. Purpose of Use

To obtain reference data of laser and spindle motor systems during failure diagnosis.

To check faulty parts during re-repair.

16.6 After replacement of DVD Module

Below steps is to be performed after changing of DVD Module

1. Press

≡10 on remote control while pressing “STOP” on main unit.

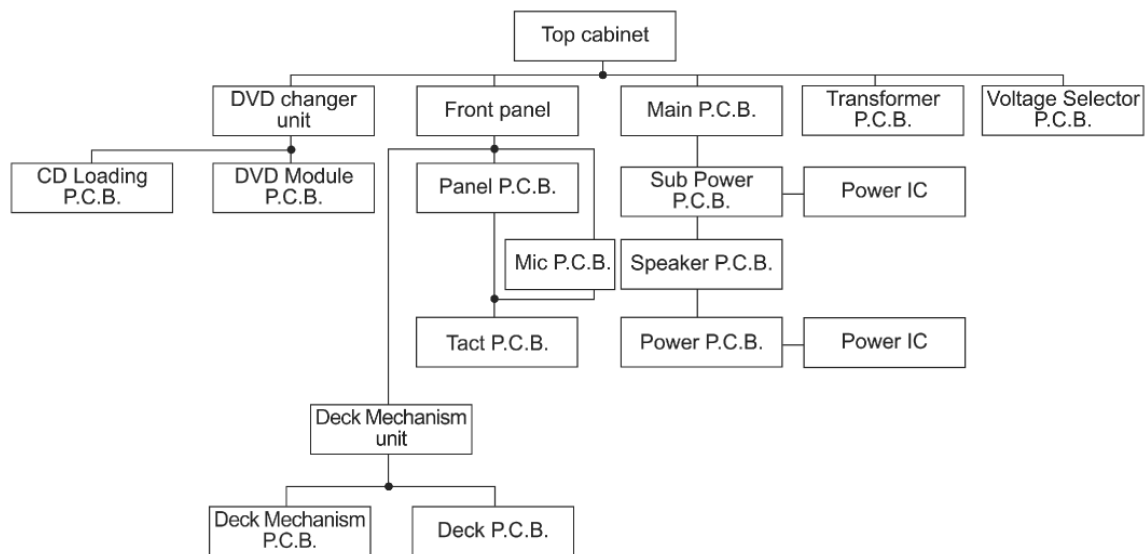
2. FL will display “INITIALIZE”.
3. Press “STOP” & “ENTER” on remote control (For reset of unit)
4. FL will display “DVD RESET” before change to TOC reading again.
5. Power off the set. Unplug AC cord & wait for few seconds.
6. Plug in AC cord & power on set.

17 Disassembly and Assembly of Main Component

17.1 Disassembly flow chart

The following chart is the procedure for disassembling the casing and inside parts for internal inspection when carrying out the servicing.

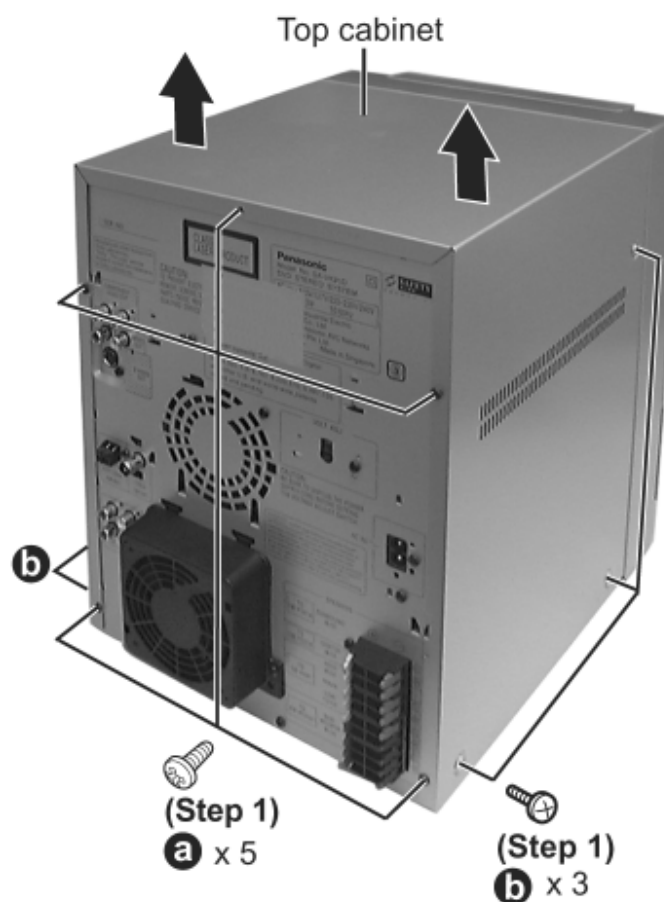
To assemble the unit, reverse the steps shown in the chart as below.



17.2 Disassembly of Top Cabinet

Step 1 Remove 3 screws each side and 5 screws at rear panel.

Step 2 Lift up both sides of cabinet ass'y, push the cabinet ass'y toward the rear and remove the top cabinet.



17.3 Disassembly for DVD changer unit

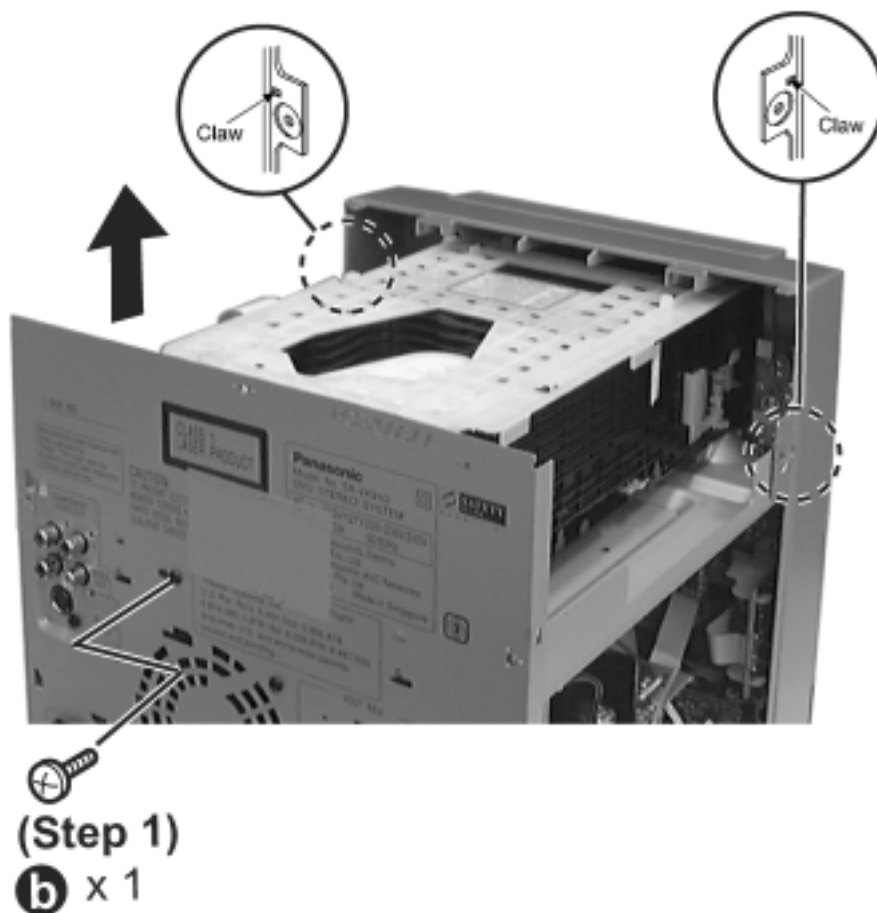
- Follow the (Step 1) - (Step 2) of Item 17.2.

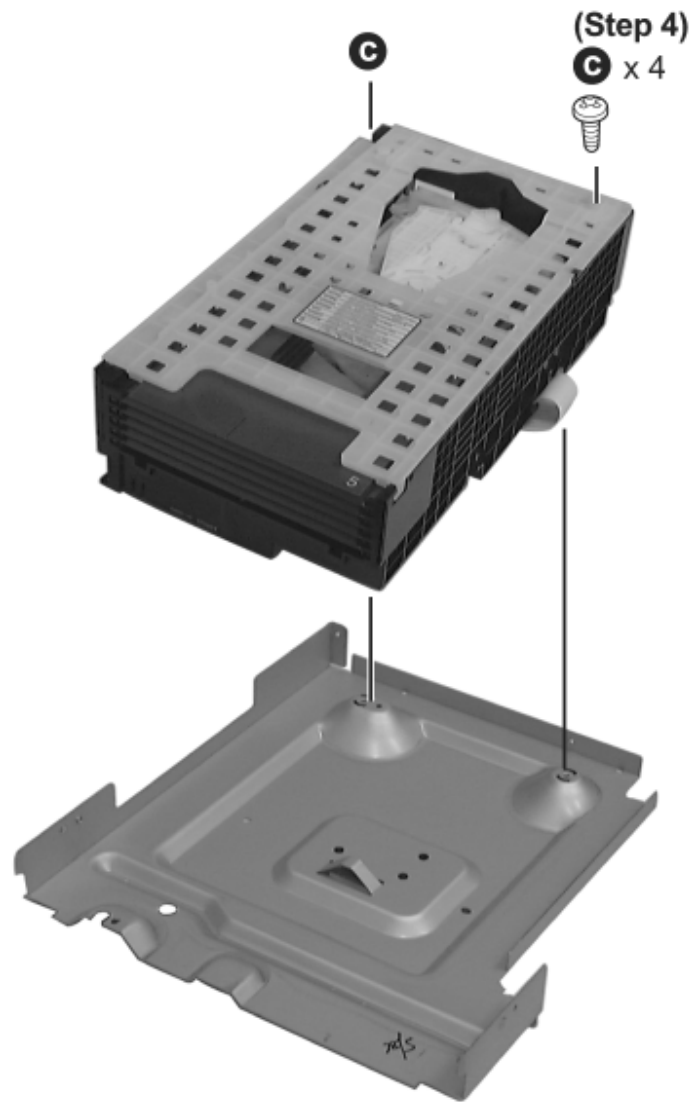
Step 1 Detach FFC Boards (CN2811 & CN2815).

Step 2 Remove 1 screw at rear cabinet as show below.

Step 3 Lift the DVD changer unit upwards.

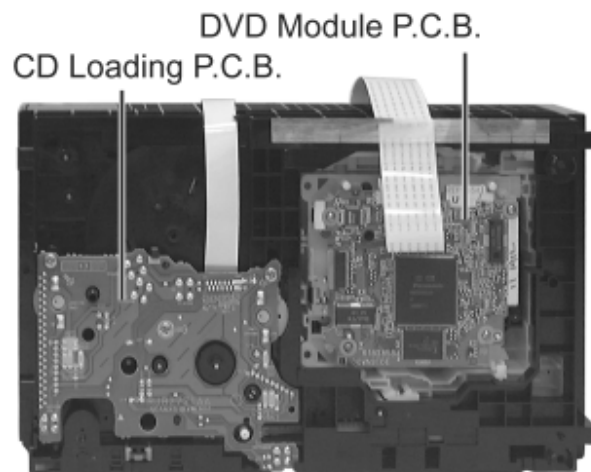
Step 4 Release the claws on both ends, and remove the DVD changer unit.





[Step 6](#) Remove the mechanism unit cover.

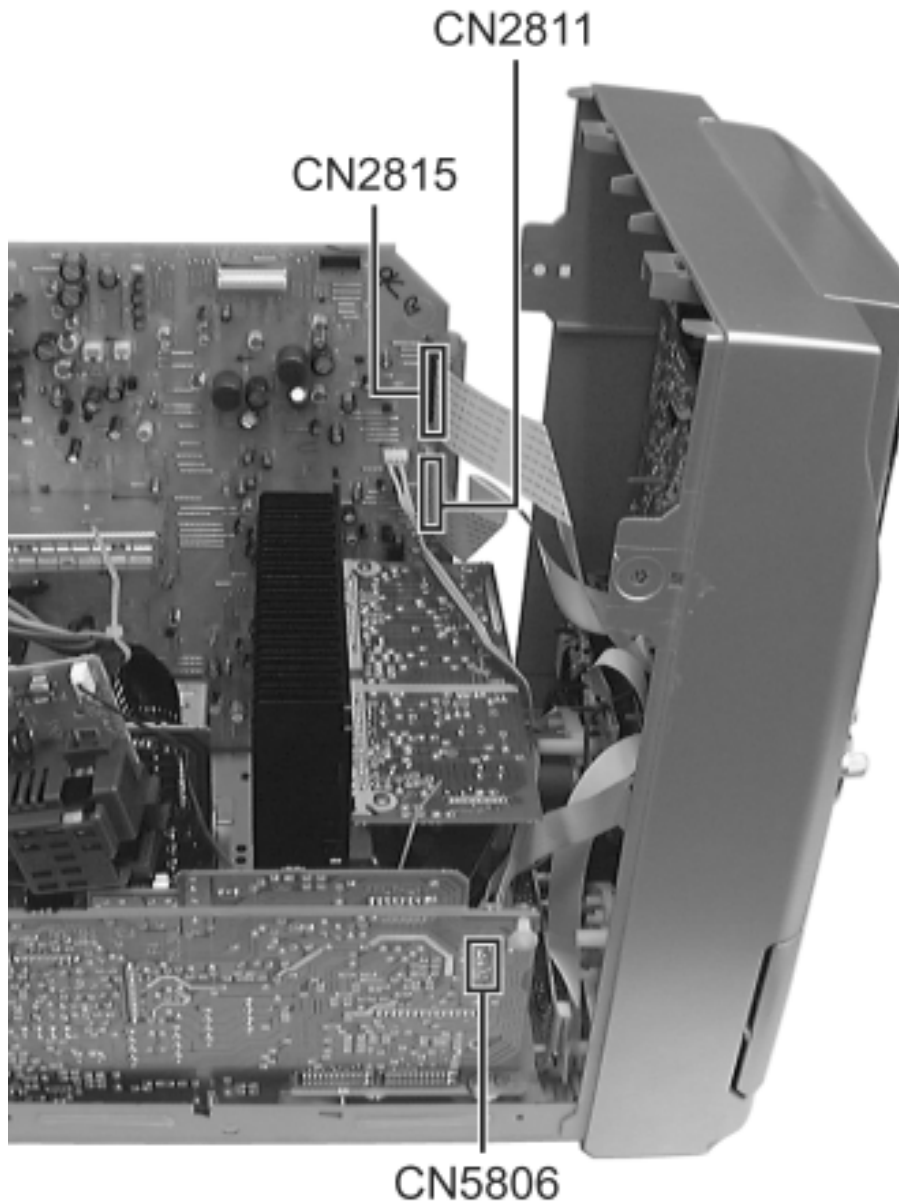
[Step 7](#) Lay the unit.



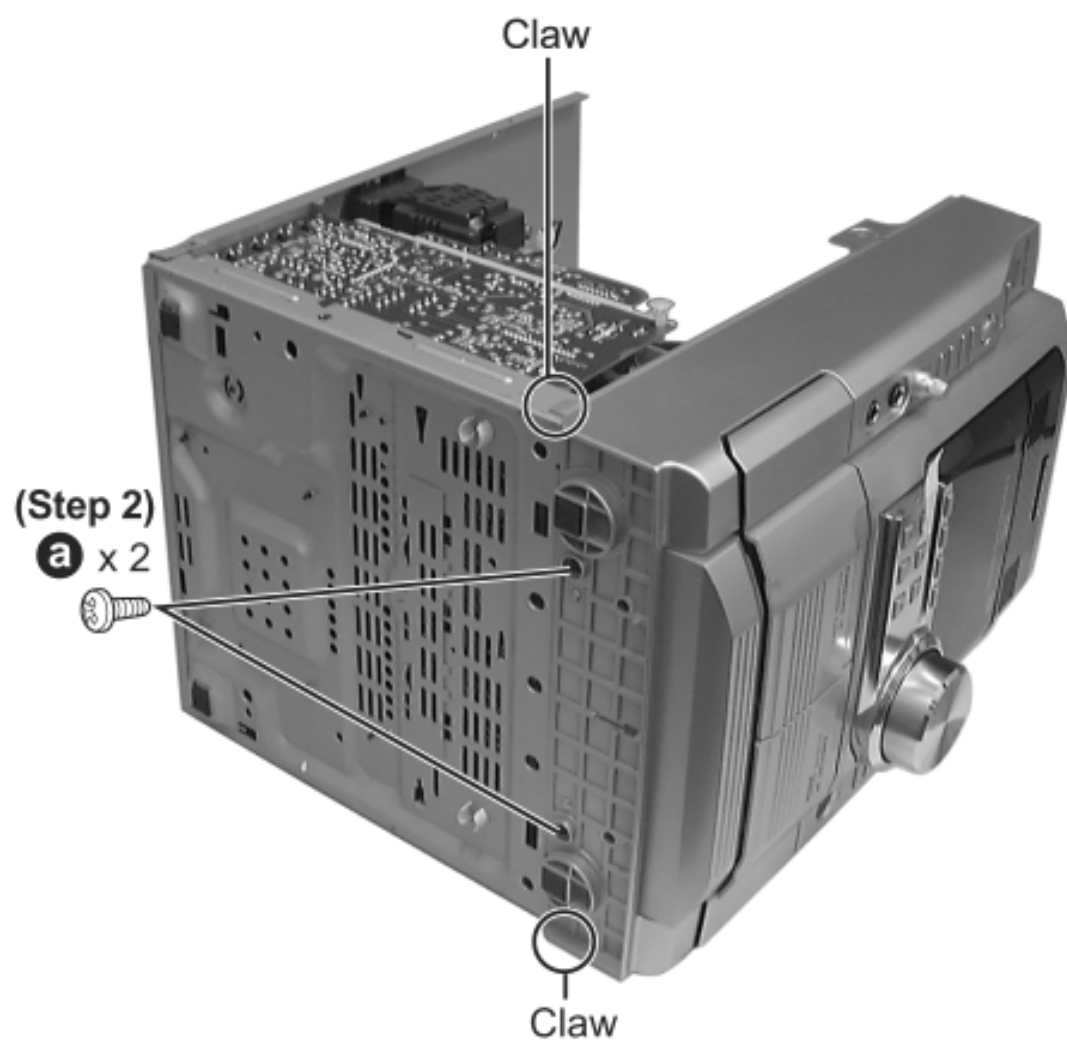
17.4 Disassembly for Panel P.C.B., MIC P.C.B. & Tact Switch P.C.B.

- Follow the (Step 1) - (Step 2) of Item 17.2.
- Follow the (Step 1) - (Step 4) of Item 17.3.

Step 1 Disconnect FFC board (CN2811 , CN2815 & CN5806).



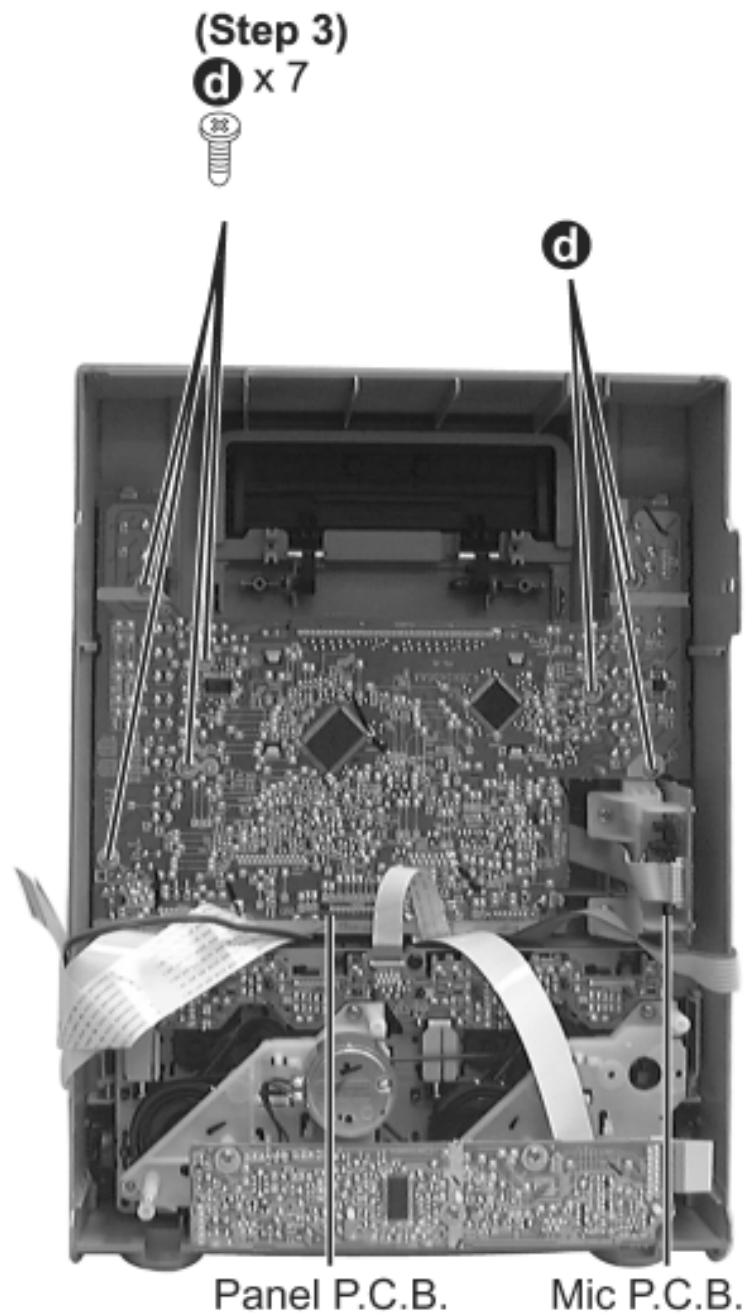
Step 2 Lay the unit as shown below.



Step 3 Remove 2 screws at the bottom chassis.

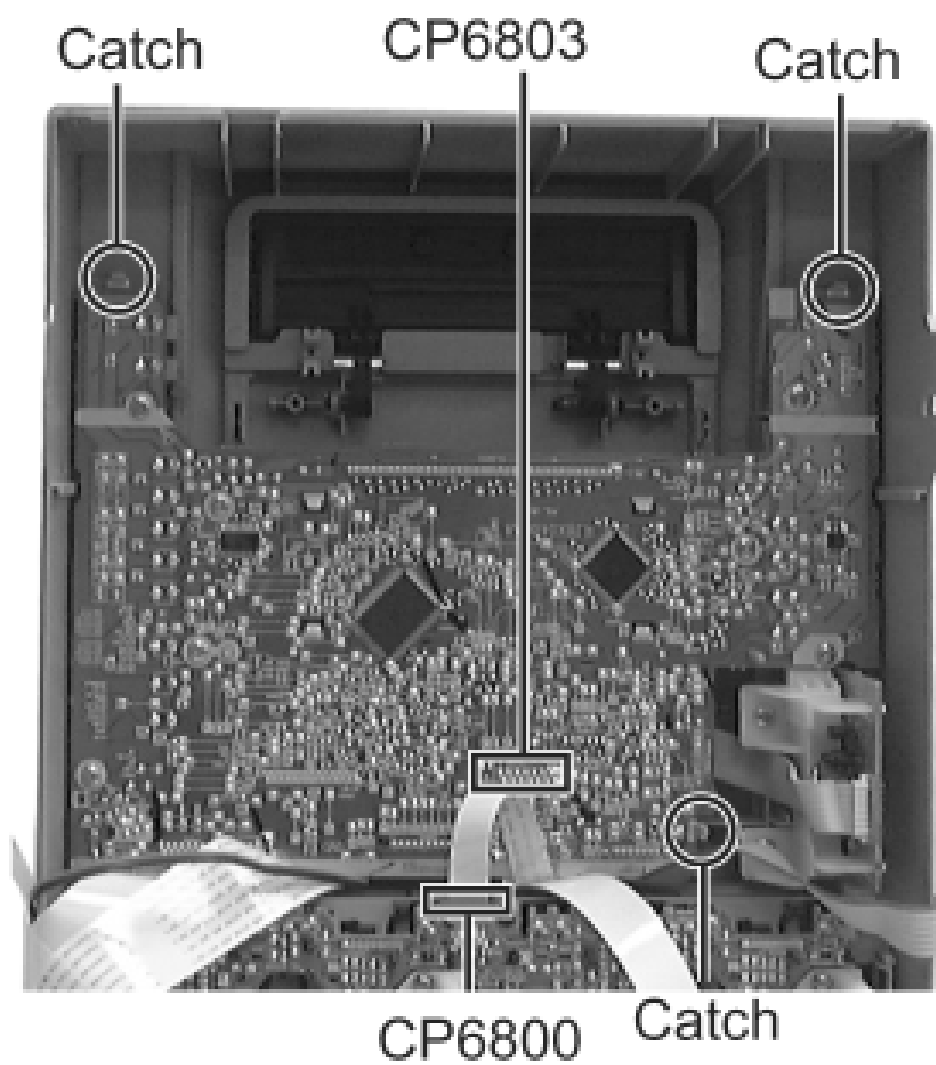
Step 4 Release the 2 claws, and then draw the front panel ass'y forward.

- Disassembly of Panel P.C.B. & Mic P.C.B.

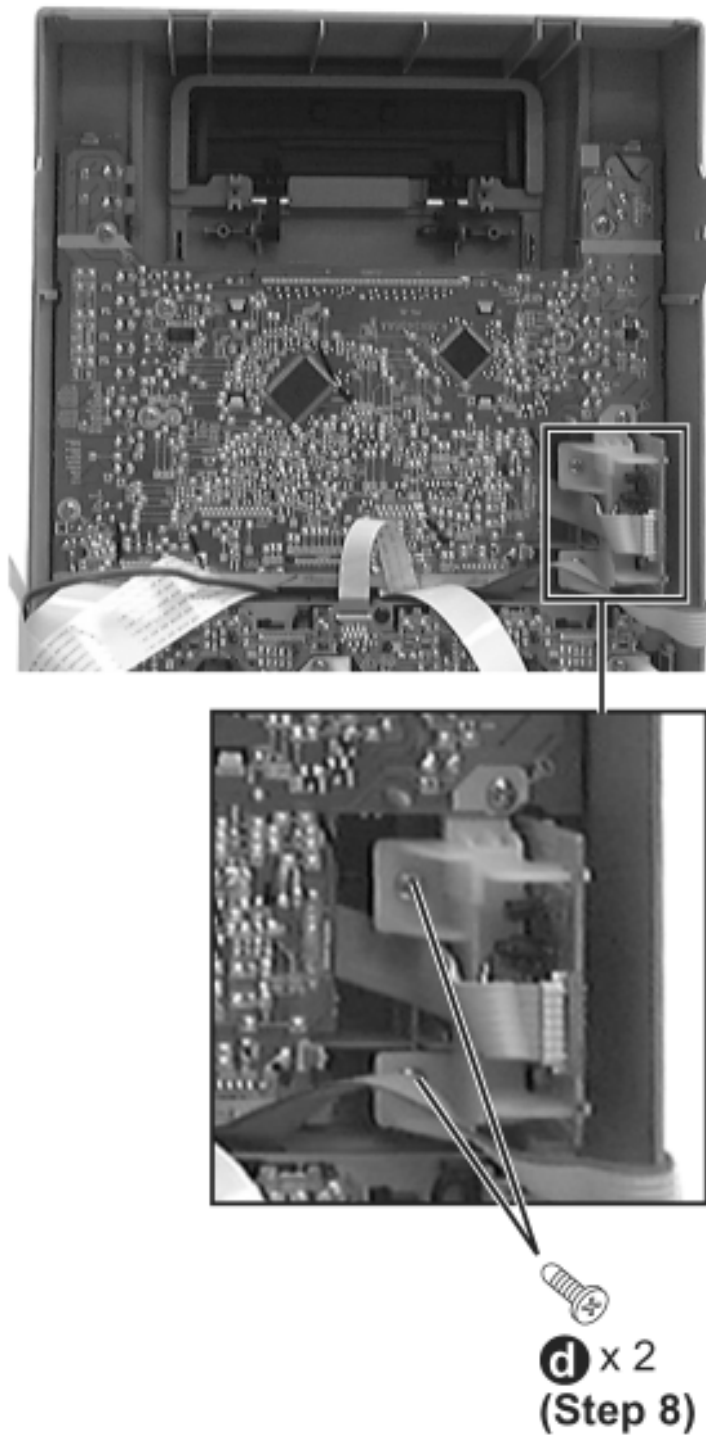


Step 5 Remove 7 screws.

Step 6 Detach FFC board (CP6803 & CP6800).



Step 7 Release 3 catches.

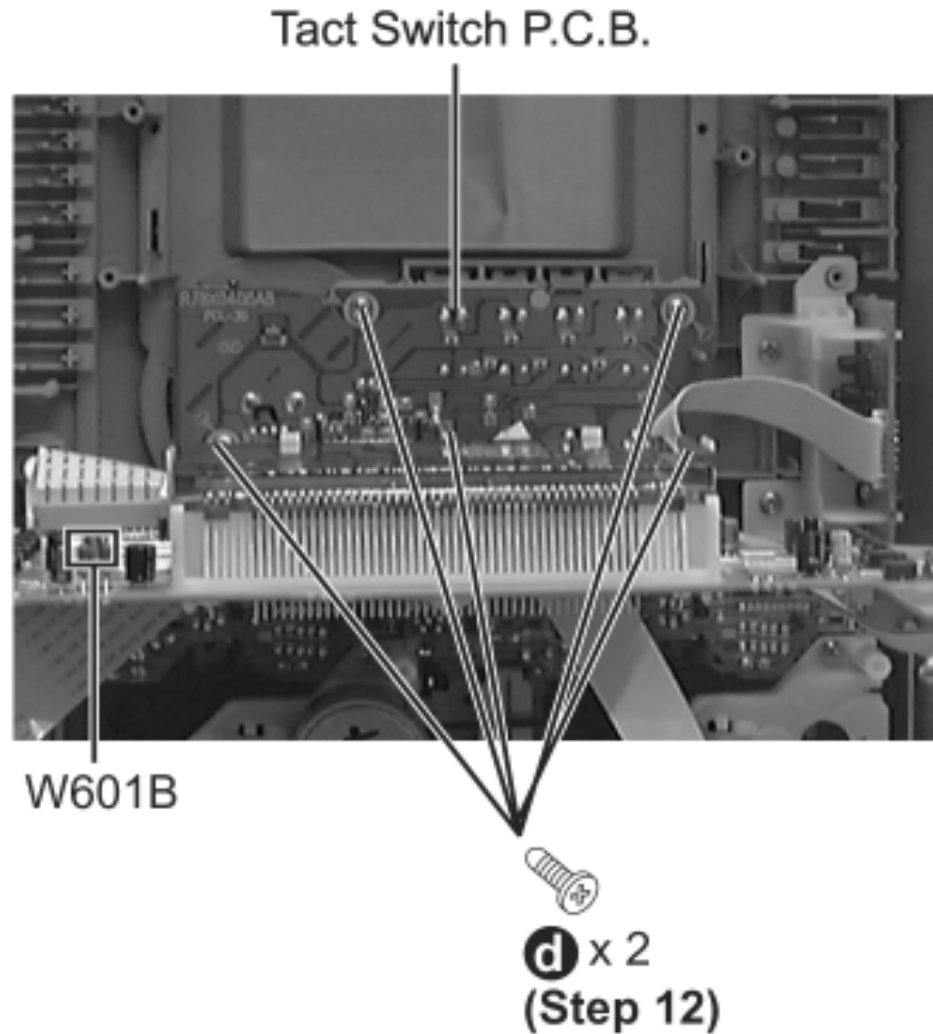


Step 8 Remove 2 screws.

Step 9 Lift up Mic P.C.B. to remove it.

- **Disassembly of Tact Switch P.C.B.**

Step 10 Remove the volume knob.



[Step 11](#) Disconnect connector W601B.

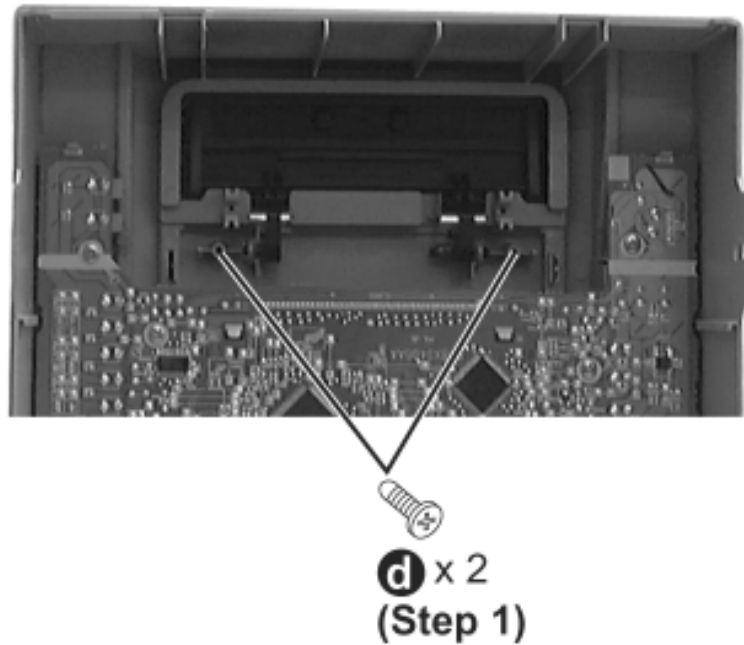
[Step 12](#) Remove 5 screws.

[Step 13](#) Draw Tact Switch P.C.B. forward.

17.4.1 Disassembly of Lid

- Follow the (Step 1) - (Step 2) of Item 17.2.
- Follow the (Step 1) - (Step 4) of Item 17.3.
- Follow the (Step 1) - (Step 4) of Item 17.4.

[Step 1](#) Remove 2 screws.



Step 2 Lift the spring sideward.

Step 3 Remove Lid.

Note: Do not misplace the spring.

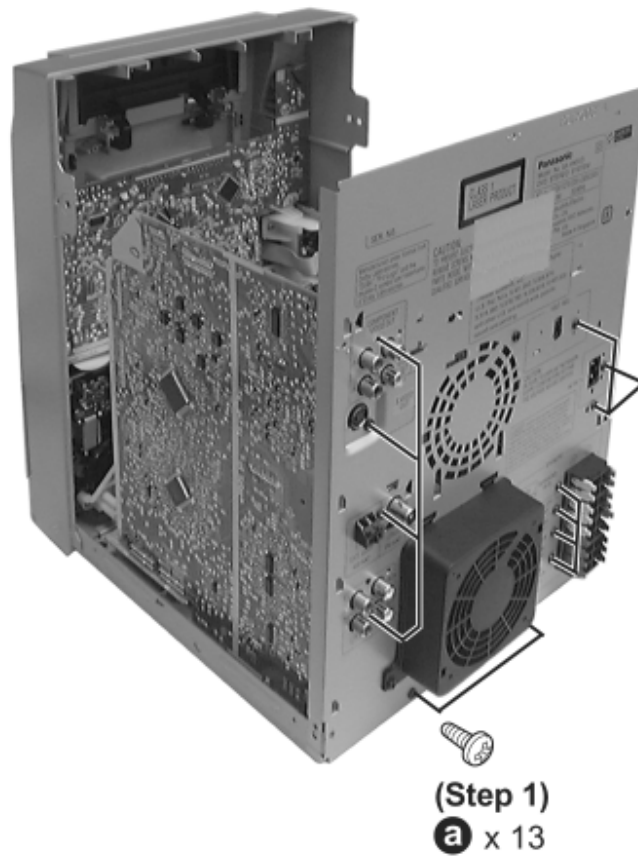
17.5 Disassembly of Main P.C.B., Speaker P.C.B., Sub Power P.C.B., Power P.C.B., Transformer P.C.B.& Voltage Selector P.C.B.

- Follow the (Step 1) - (Step 2) of Item 17.2.
- Follow the (Step 1) - (Step 4) of Item 17.3.
- [Disassembly of Main P.C.B.](#)

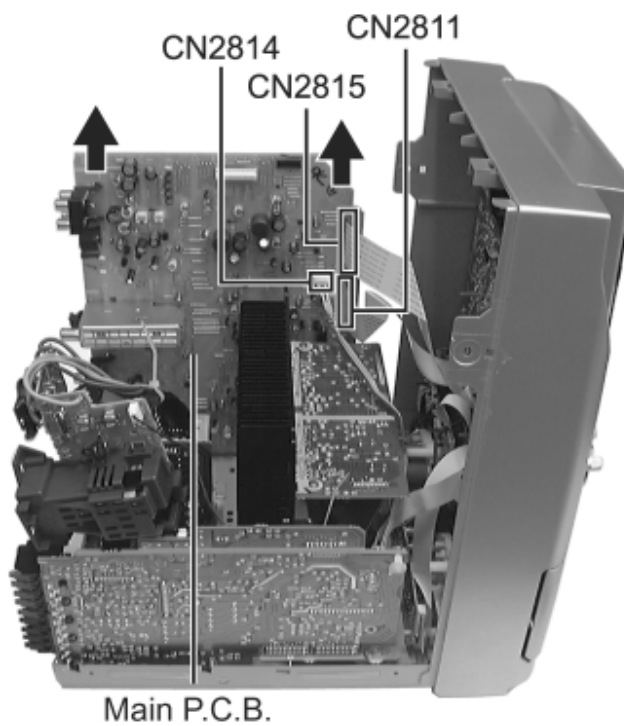
Step 1 Remove the 12 screws.

Step 2 Detach CN2808 & CN2809 (Fan).

Step 3 Push the catch outwards & draw the rear panel to remove it.



Step 4 Detach FFC boards (CN2811, CN2814 & CN2815).

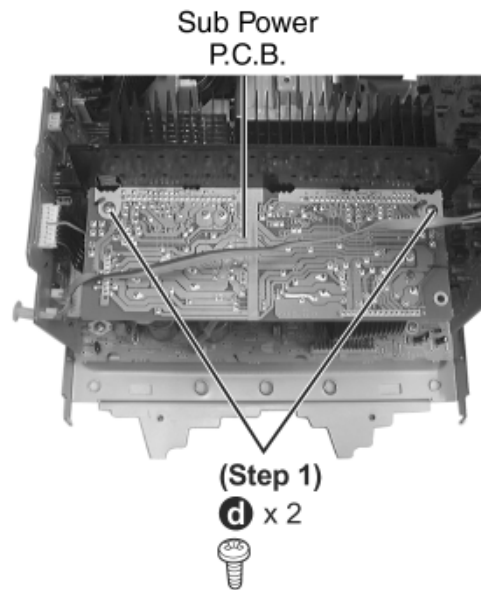


Step 5 Lift up Main P.C.B. as arrow shown.

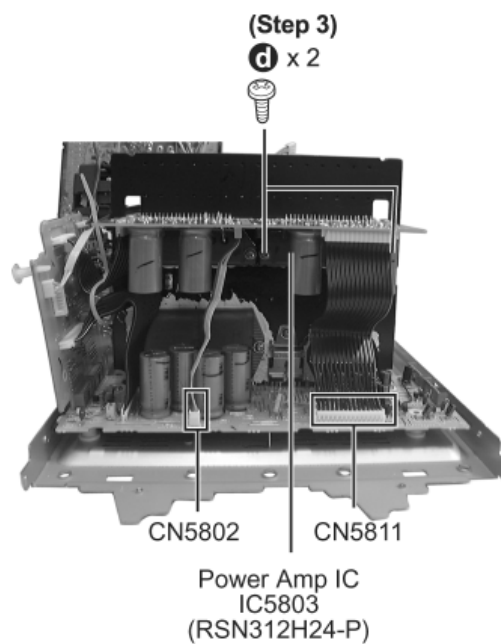
17.5.1 Disassembly of Sub Power P.C.B.

- Follow the (Step 1) - (Step 2) of Item 17.2.
- Follow the (Step 1) - (Step 4) of Item 17.3.
- Follow the (Step 1) - (Step 4) of Item 17.4.
- Follow the (Step 1) - (Step 3) of Item 17.5.

Step 1 Remove the 2 screws.



Step 2 Detach cables (CN5802 & CN5803).



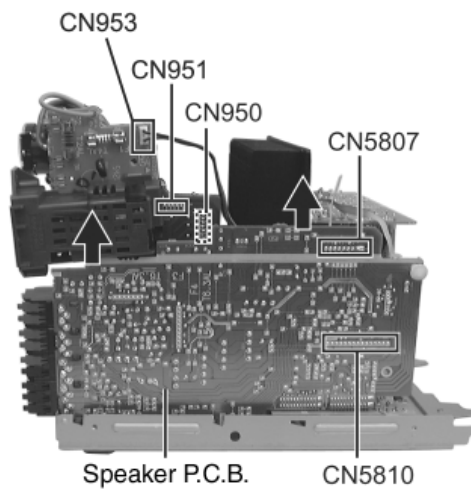
Step 3 Remove the 2 screws.

17.5.2 Disassembly of Speaker P.C.B.

- Follow the (Step 1) - (Step 2) of Item 17.2.
- Follow the (Step 1) - (Step 4) of Item 17.3.
- Follow the (Step 1) - (Step 4) of Item 17.4.
- Follow the (Step 1) - (Step 3) of Item 17.5.

Step 1 Detach cable (CN953, CN950 & CN951).

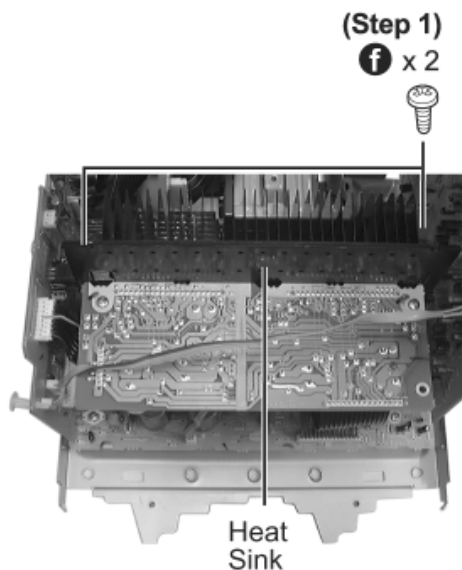
Step 2 Detach cable (CN5807 & CN5810).



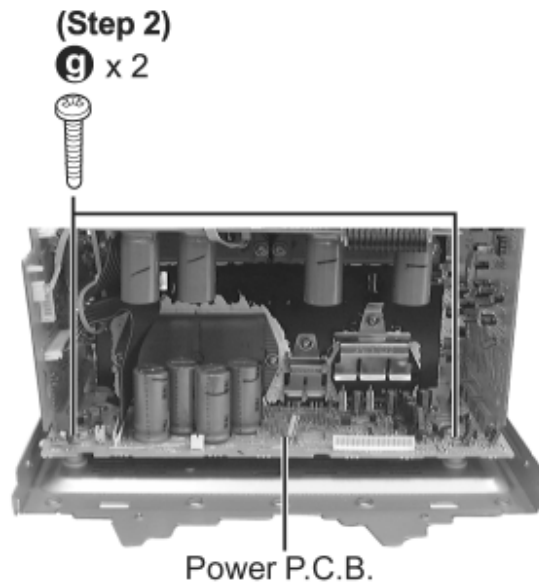
Step 3 Lift up Speaker P.C.B. as arrow shown.

17.5.3 Disassembly of Power P.C.B.

Step 1 Remove the 2 screws at heat sink.

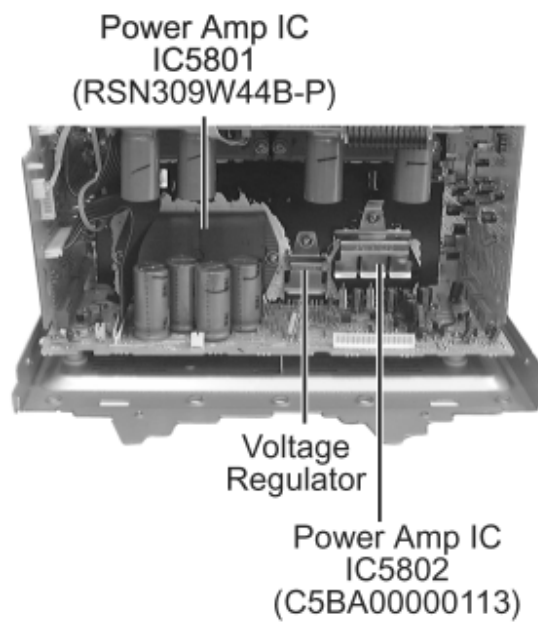


Step 2 Remove the 2 screws.



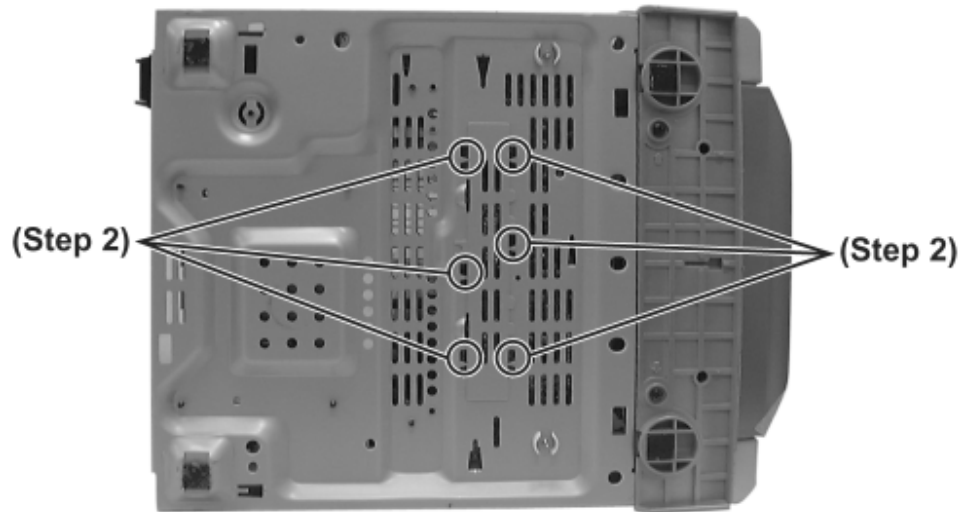
- Replacement of Power Amp IC

Step 1 Remove 2 screws fixed to the Power Amplifier IC.

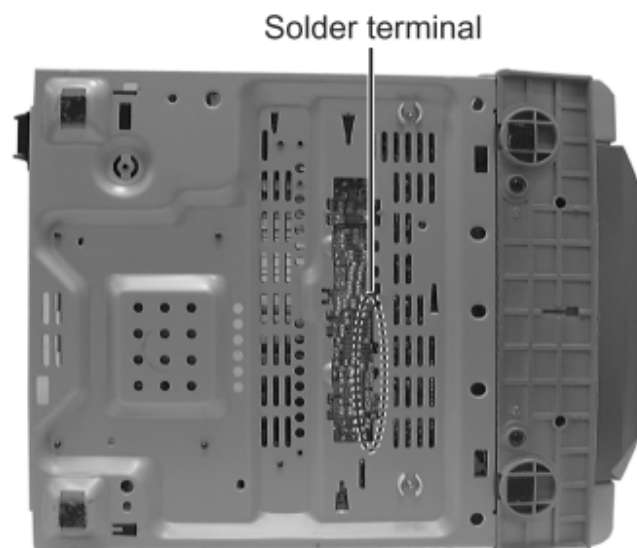


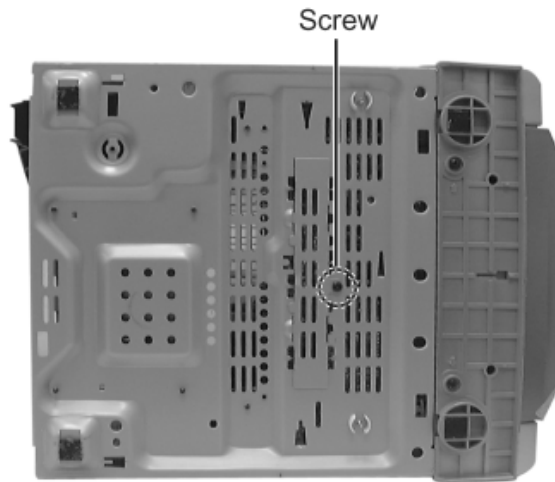
Step 2 Remove 2 screws fixed to the Power Amplifier IC and Voltage Regulator.

Step 3 Break the joint with a metal cutter as shown below.



Step 4 Unsolder the terminals of Power Amp IC, replace the component.





Step 5 Fix back the bottom chasis with a screw as shown.

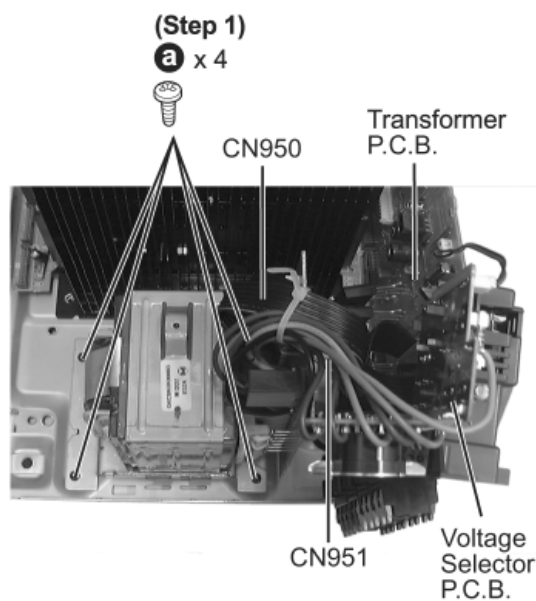
NOTE:

Insulate Power P.C.B. with insulation material to avoid short circuit.

17.5.4 Disassembly of Transformer P.C.B. & Voltage Selector P.C.B.

- Follow the (Step 1) - (Step 2) of Item 17.2.
- Follow the (Step 1) - (Step 4) of Item 17.3.

Step 1 Remove 4 screws.

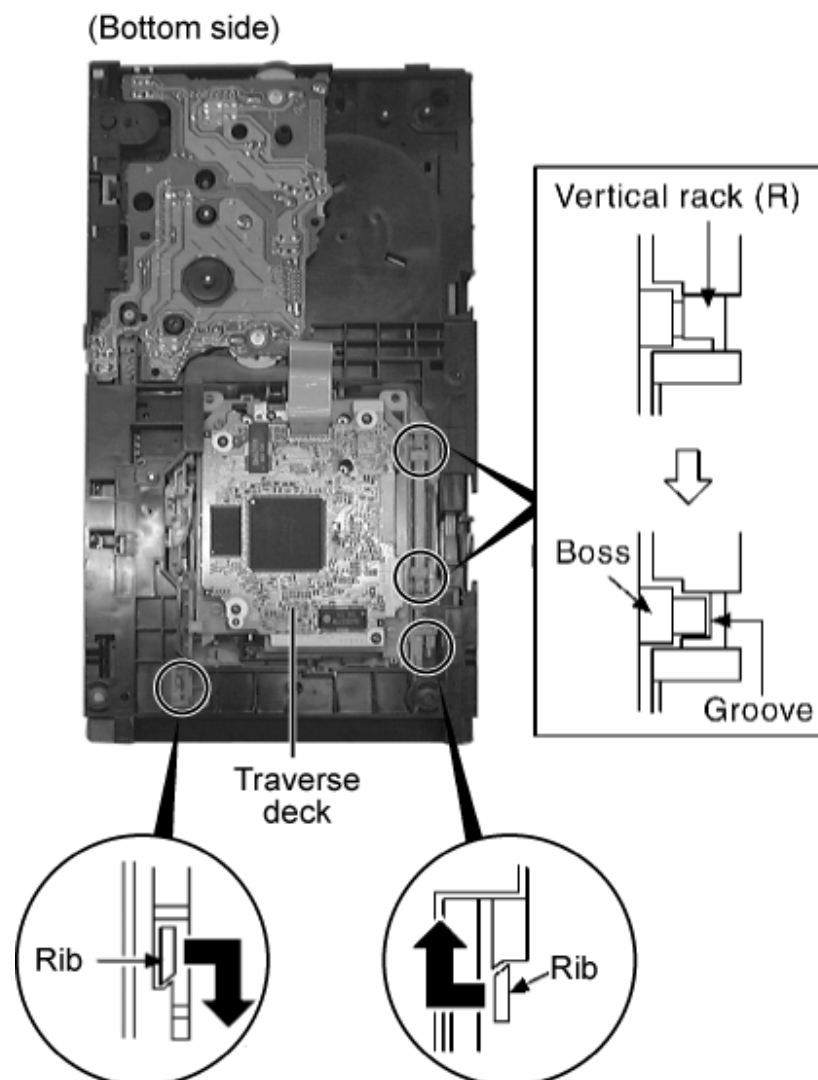


Step 2 Disconnect connector CN950 & CN951.

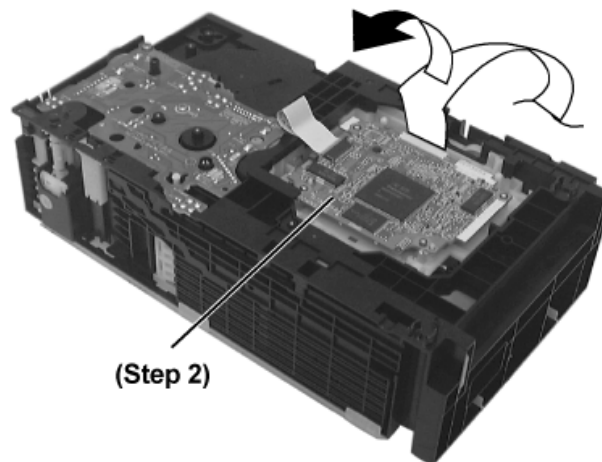
17.6 Replacement for traverse deck

- Follow the (Step 1) - (Step 2) of Item 17.2.
- Follow the (Step 1) - (Step 7) of Item 17.3.

Step 1 Move ribs at both sides to the arrow direction (The vertical rack (R) slides and the groove opens).



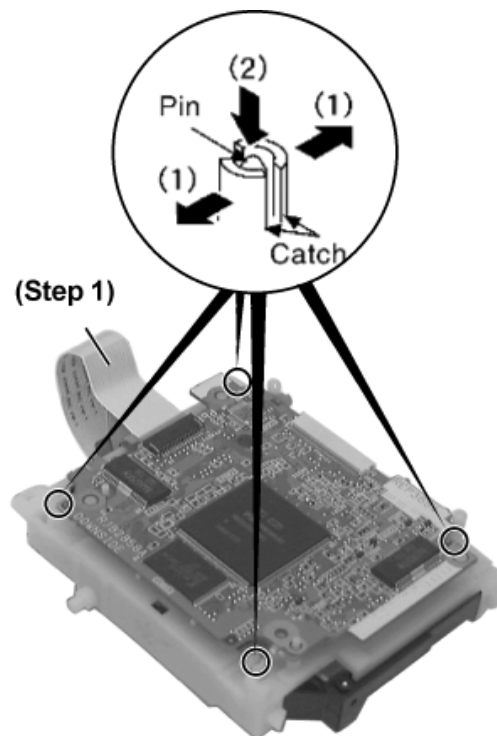
Step 2 Remove DVD traverse deck by rotating to the arrow direction.



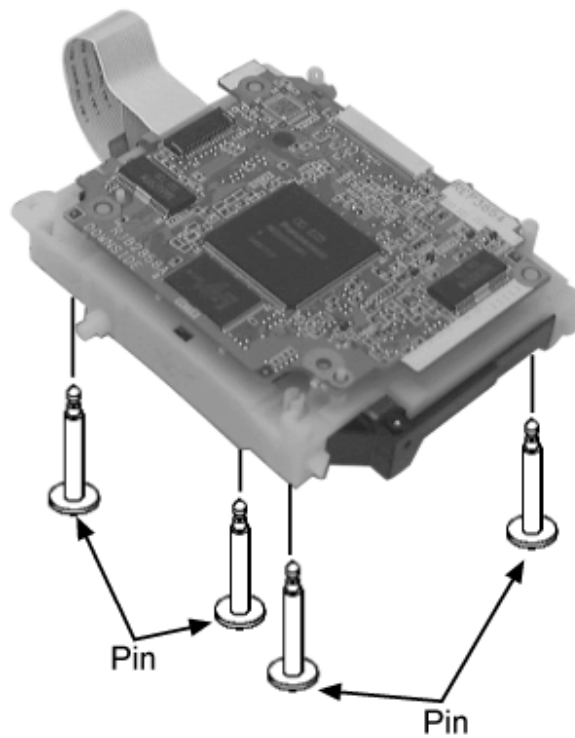
17.7 Replacement for optical pickup unit (DVD mechanism)

- Follow the (Step 1) - (Step 2) of Item 17.2
- Follow the (Step 1) - (Step 7) of Item 17.3.
- Follow the (Step 1) - (Step 2) of Item 17.6

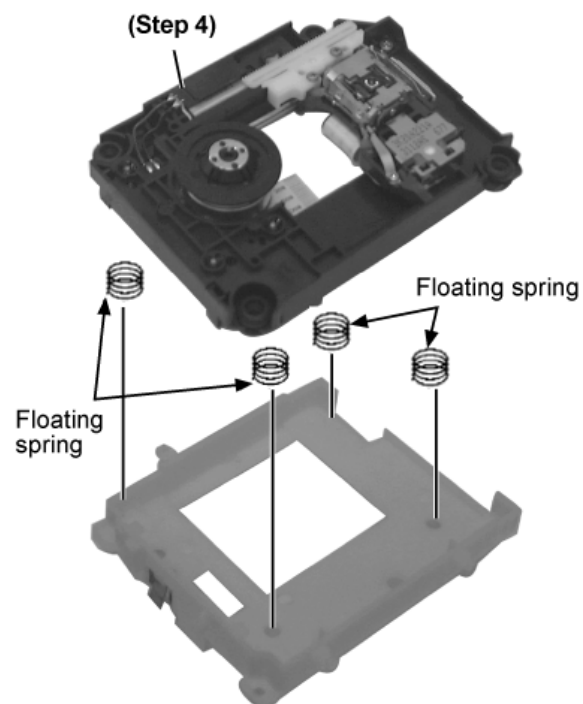
Step 1 Pull out FFC.



Step 2 Widening the catch, push the pin in.

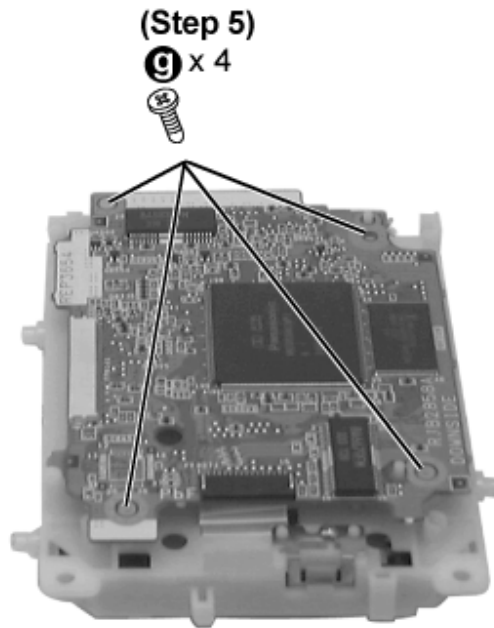


Step 3 Remove 4 pins.



Step 4 Remove the traverse deck.

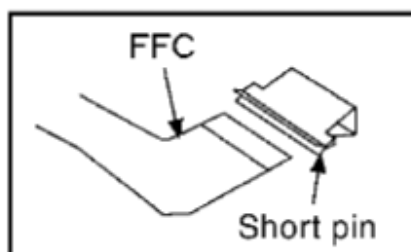
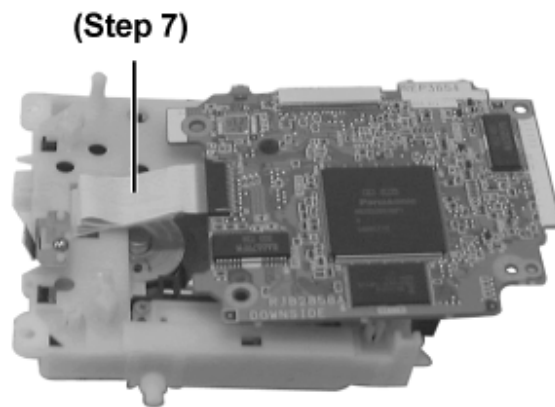
Note: As floating springs (4 pieces) come off at the same time, be careful not to lose them.



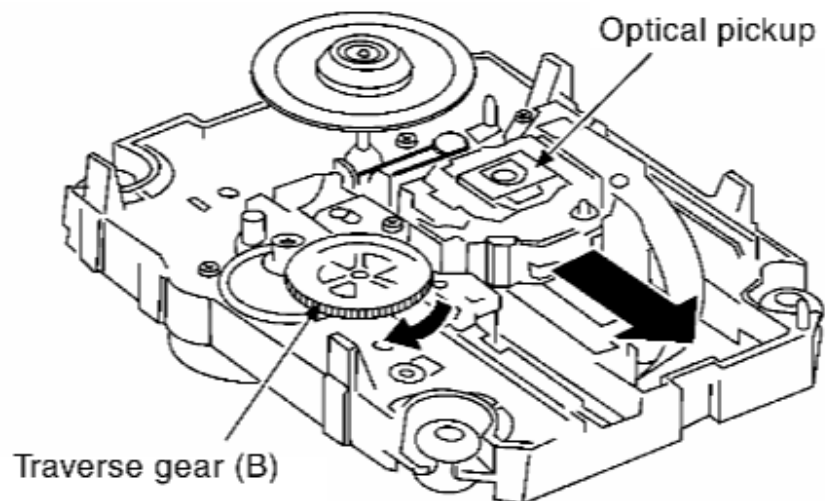
Step 6 Remove the dvd module board and turn it over.

Step 7 Pull FFC out from the connector.

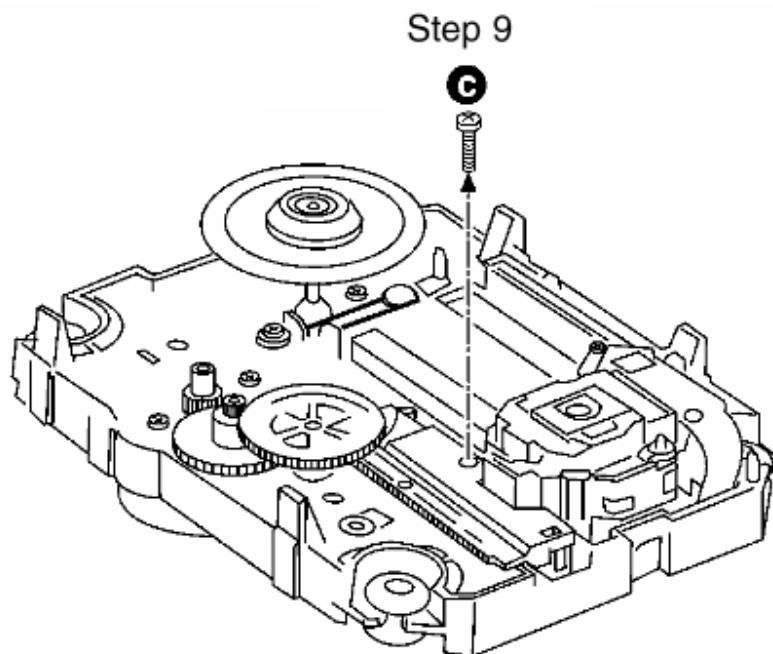
Note: Insert a short pin into FFC of the optical pickup. [See “Notice on handling of the optical pickup”].



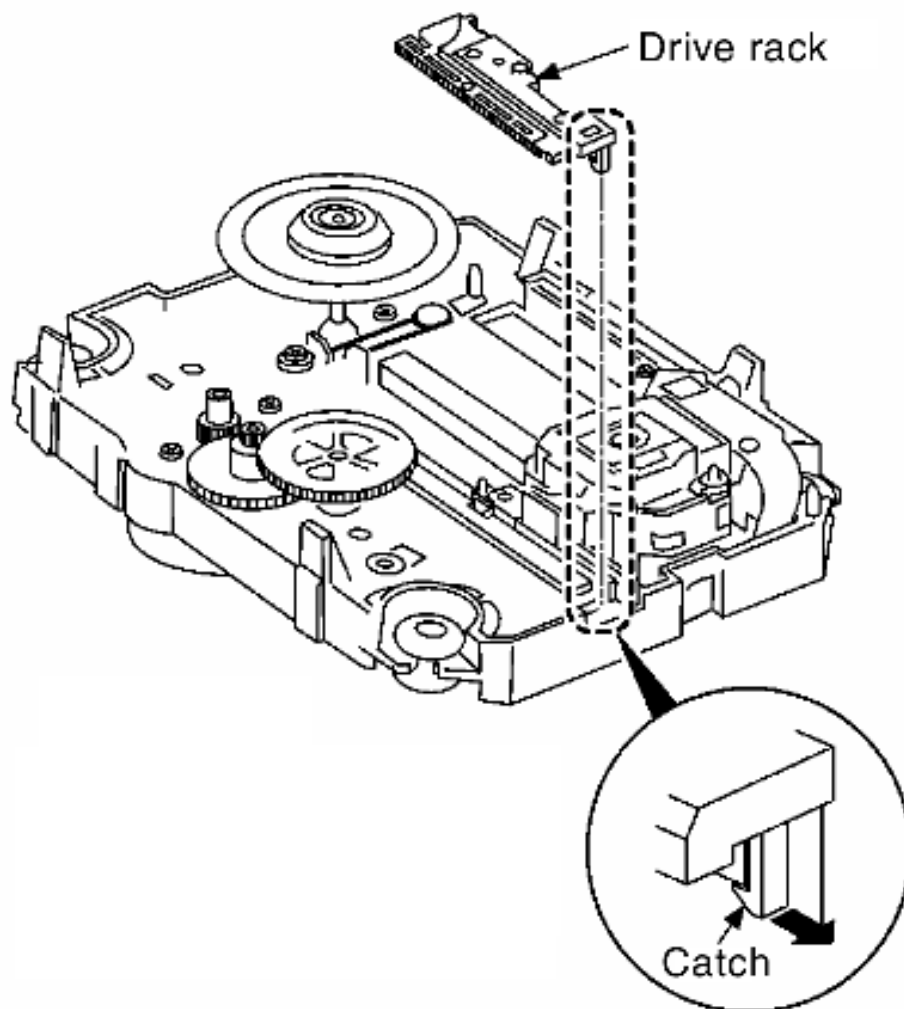
Step 8 Rotate the traverse deck (B) to the arrow direction and shift the optical pickup to the furthest backward.



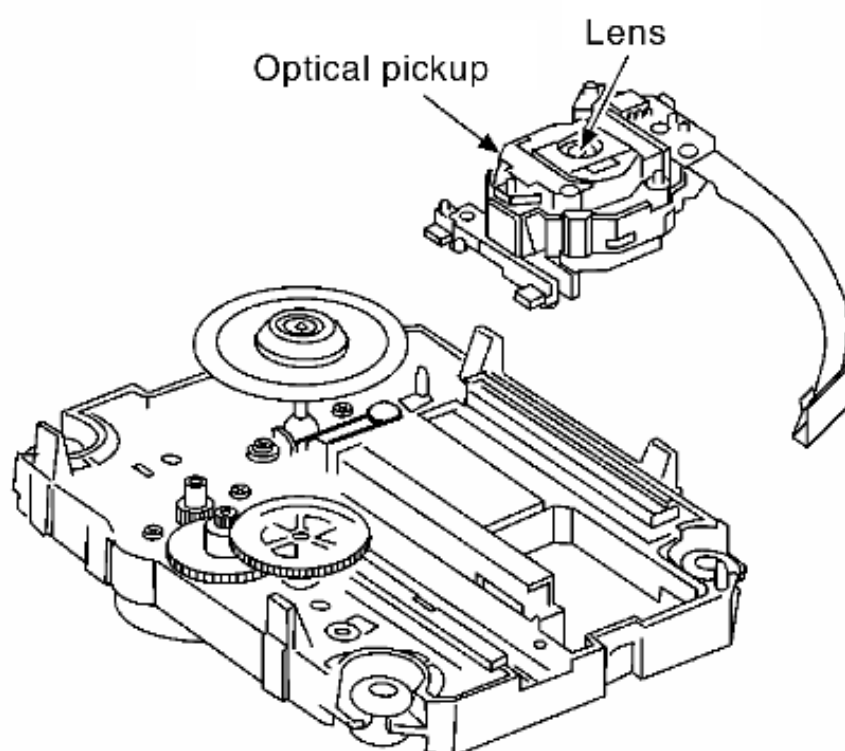
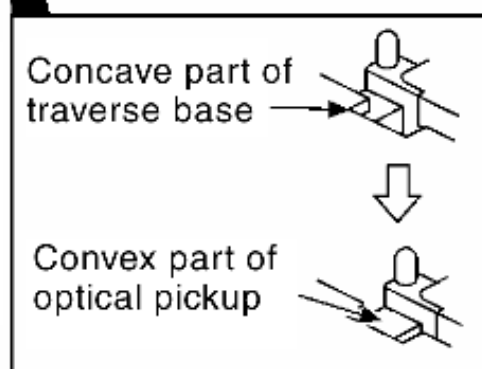
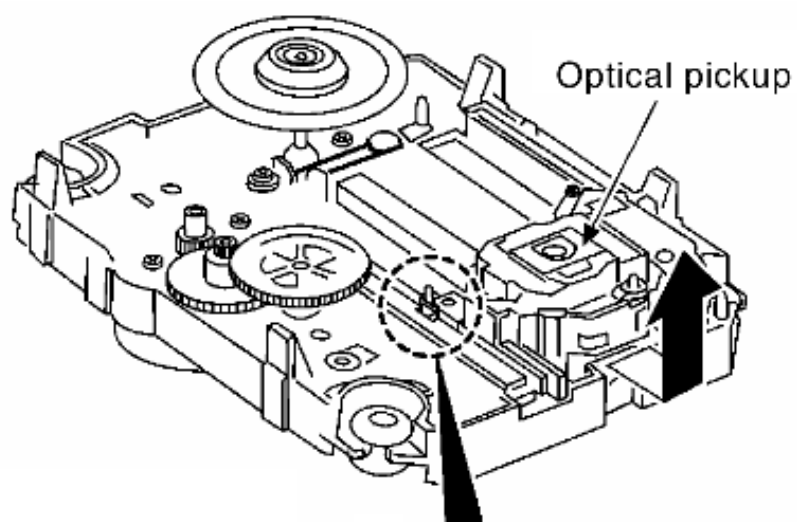
Step 9 Remove 1 screw.



Step 10 Remove the catch of the drive rack, and take out the drive rack.



Step 11 Place the convex part of an optical pickup to the concave part of a traverse base, then take out the optical pickup.



Note:
Do not touch the lens of the optical pickup

17.8 Procedure for removing CD loading mechanism

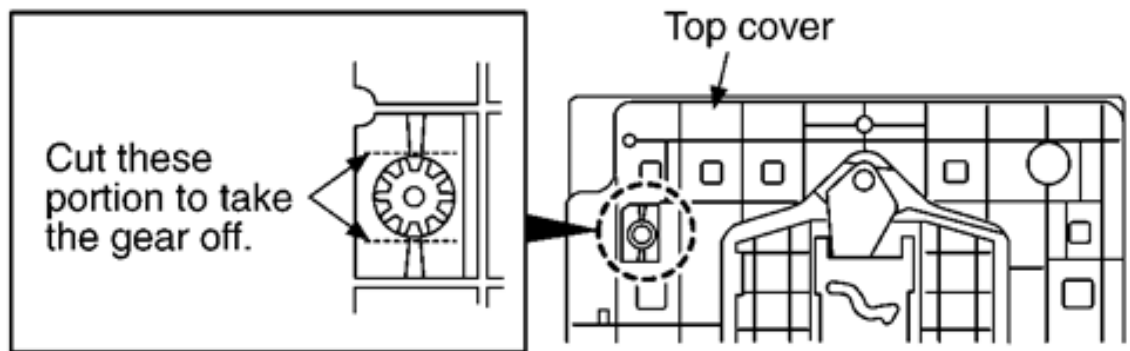
1. Turn off by pressing power SW in the body.
2. Unplug AC power cord after the indication of [GOOD-BYE], then disassemble the body.
3. Disassemble the body, and take out CD loading mechanism.
4. Perform disassembly according to the following procedure for disassembly.

17.9 CR16 mechanism disassembly procedure

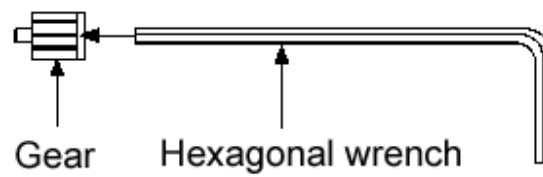
17.9.1 Gear for servicing information

- This unit has a gear which used for checking items (open/close of disc tray, up/down operation of traverse unit by manually) when servicing. (For gear information, that is described on the items for disassembly procedures.)
- For preparation of gear (for servicing), perform the procedures as follows.
- In case of re-servicing the same set, the “gear for servicing” may be took off because it had been used. So, the “gear for servicing” must be stored.

1. Remove the gear attached to top cover of CD loading mechanism.



2. Insert the hexagonal wrench (2.5mm) into the gear.

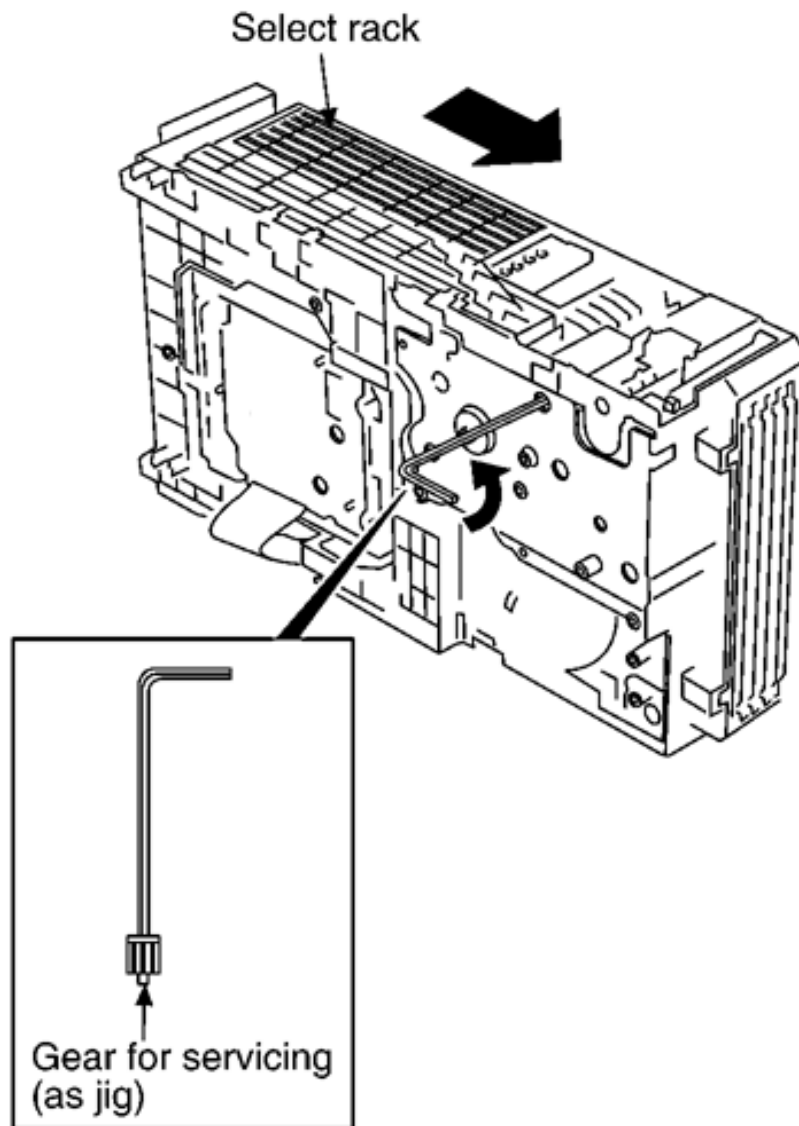


(Preparation of gear as jig is completed)

17.9.2 Replacement for the disc tray

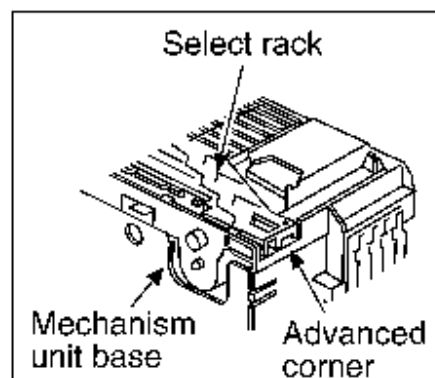
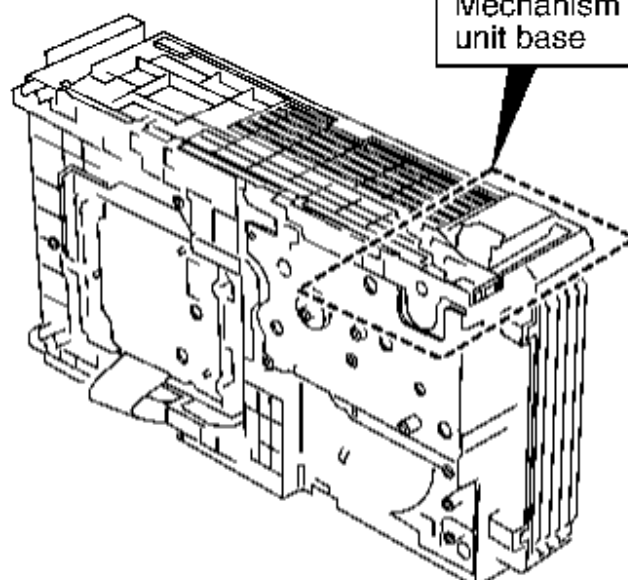
(Step 1)

Rotate the gear for servicing and move the select rack to advanced corner.



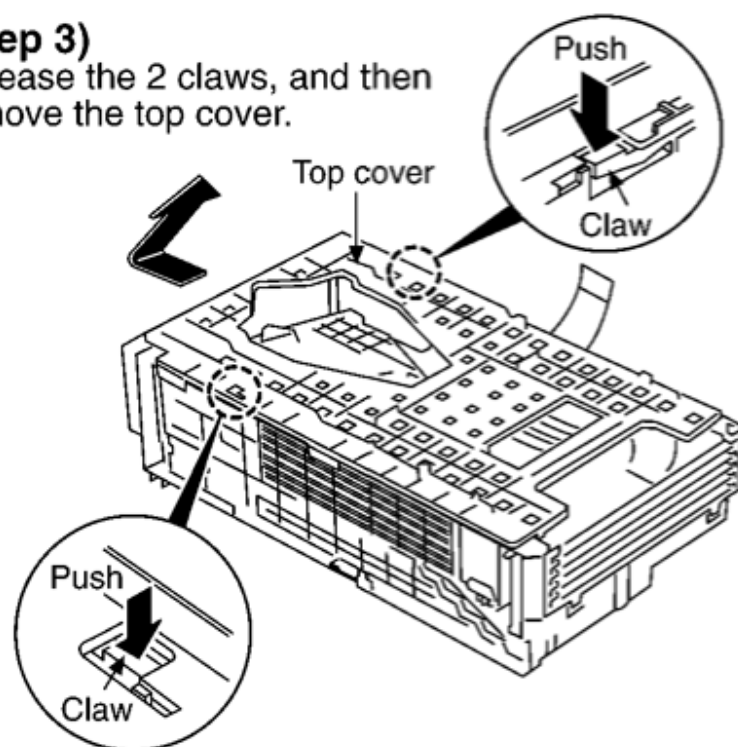
(Step 2)

Fit the mechanism unit base to select rack.



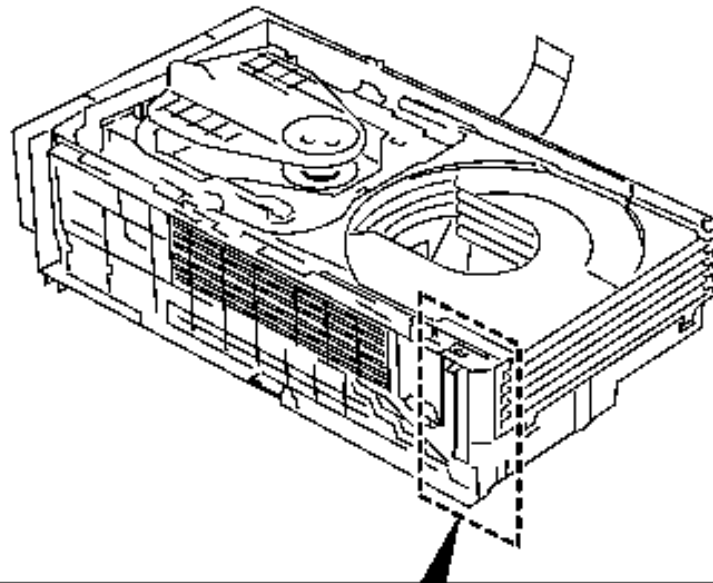
(Step 3)

Release the 2 claws, and then remove the top cover.



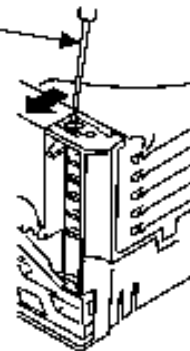
(Step 4)

Remove the open switch lever.

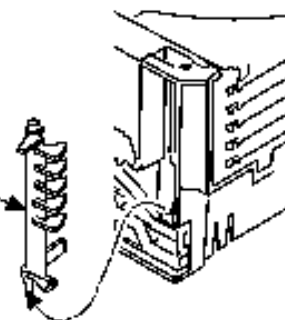


Minus screwdriver

Push the open switch lever
with minus screwdriver.

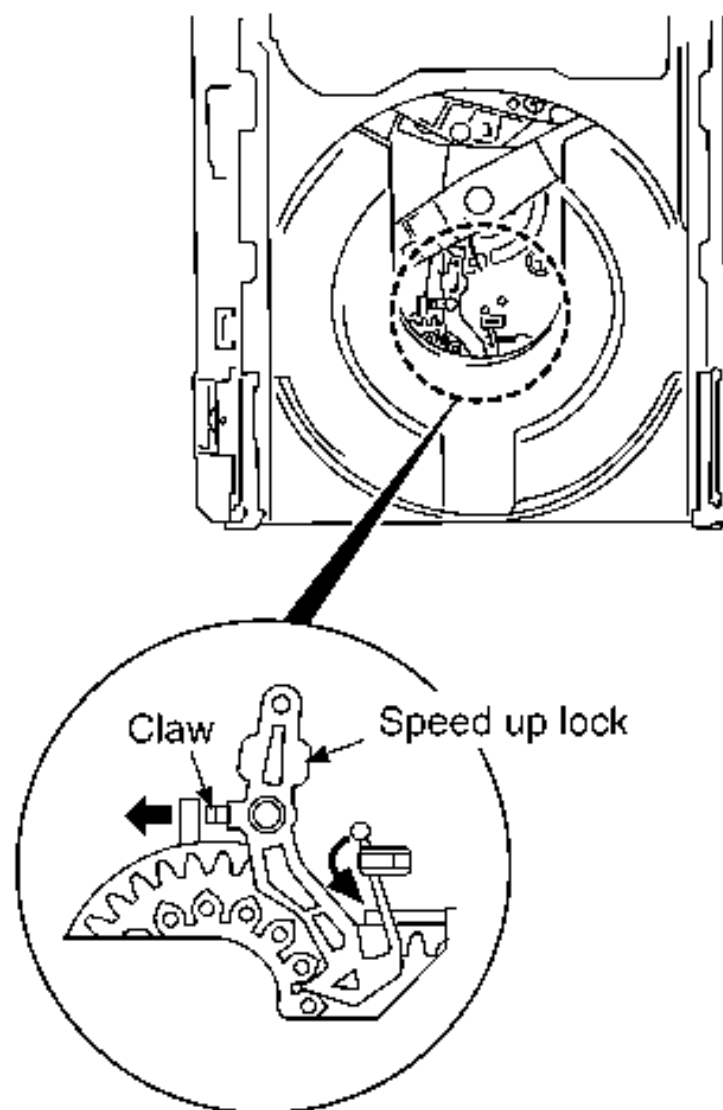


Open switch lever



(Step 5)

Release the claw, and then remove the speed up lock.



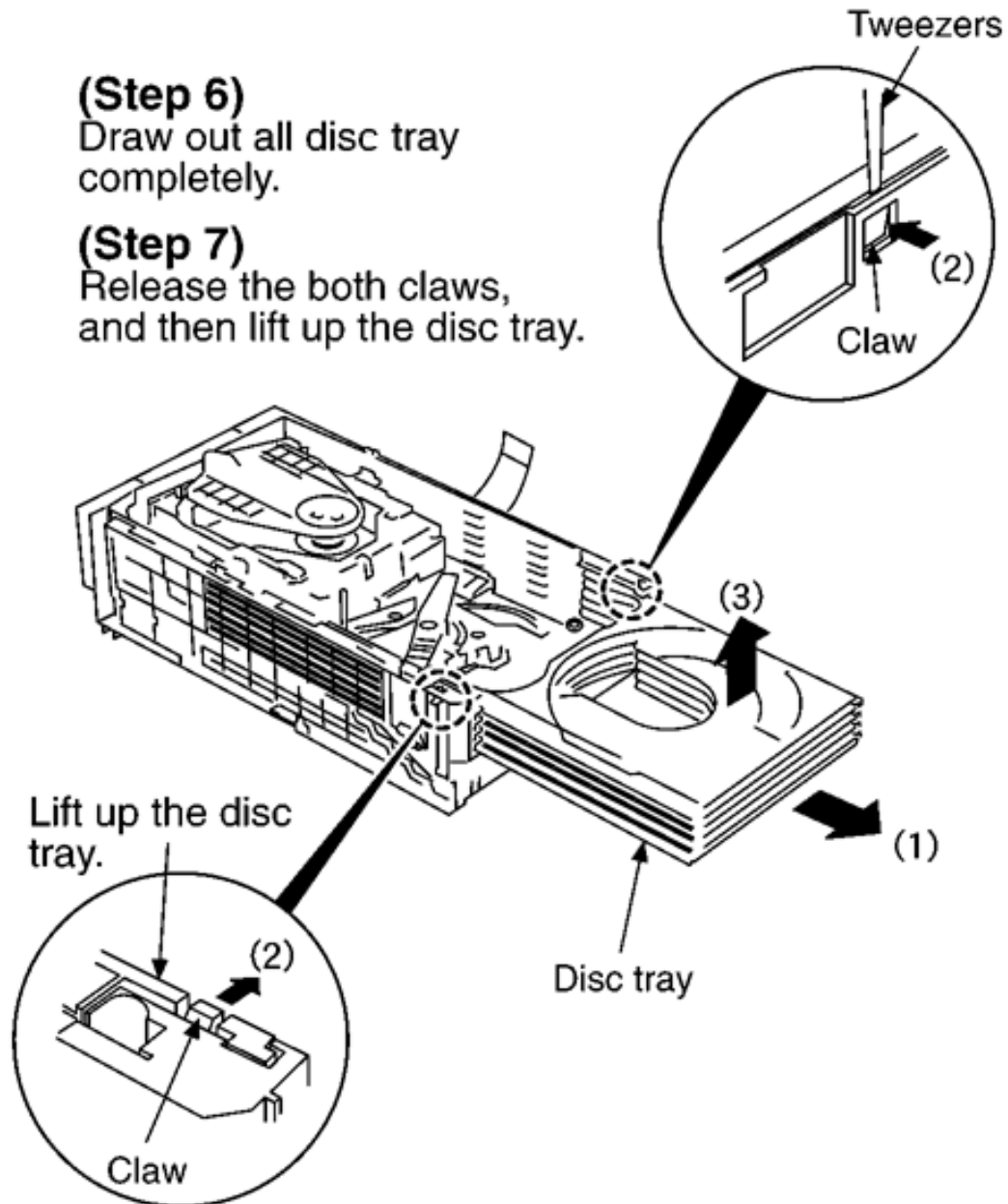
Insert the tweezers between the mechanism base and disc tray, and then lift up the disc tray.

(Step 6)

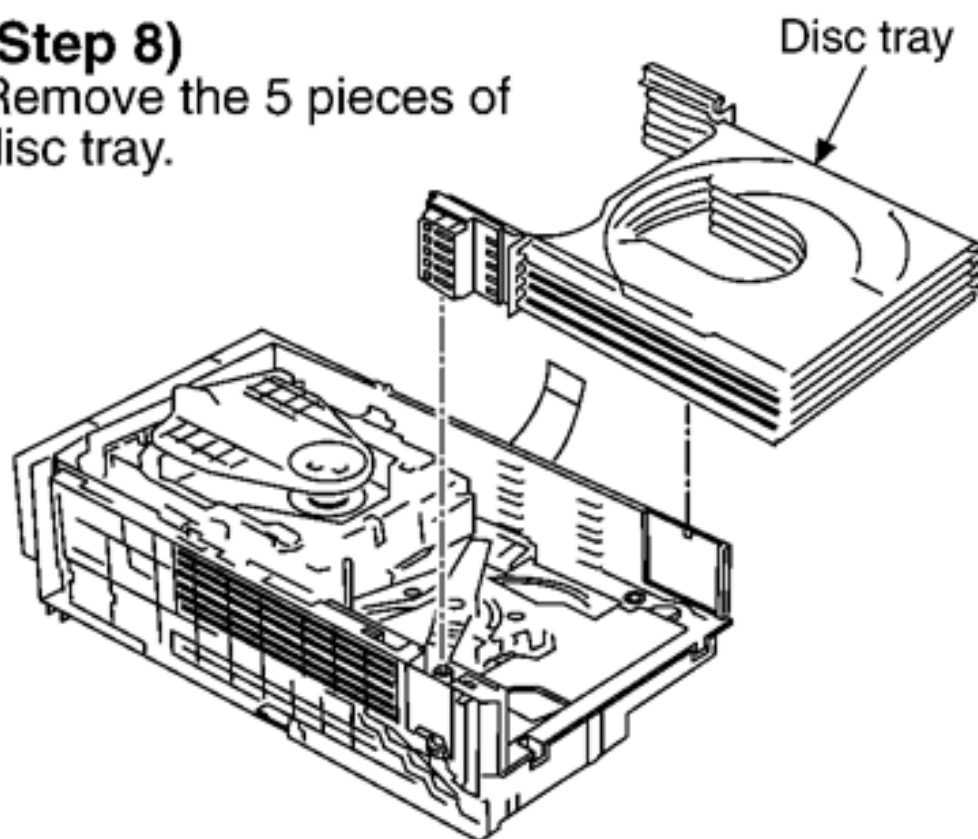
Draw out all disc tray completely.

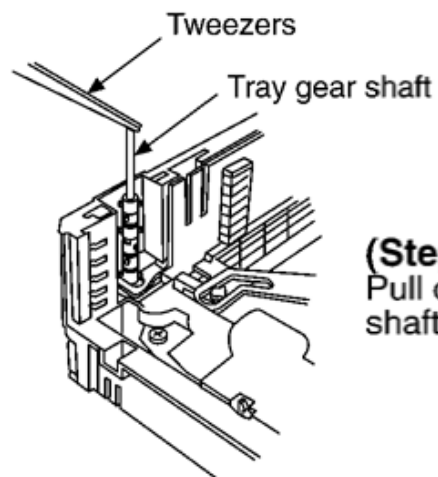
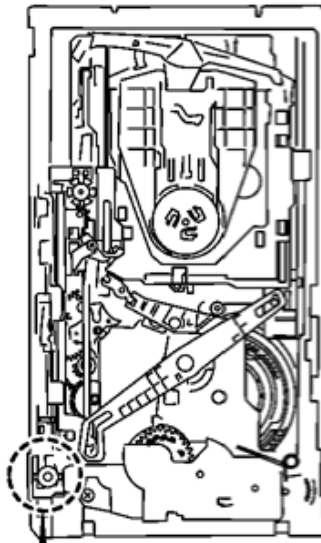
(Step 7)

Release the both claws, and then lift up the disc tray.



(Step 8)
Remove the 5 pieces of
disc tray.





(Step 9)
Pull out the tray gear shaft with tweezers.



(Step 10)
Remove the tray drive gear ass'y.

17.9.3 Replacement for the traverse deck

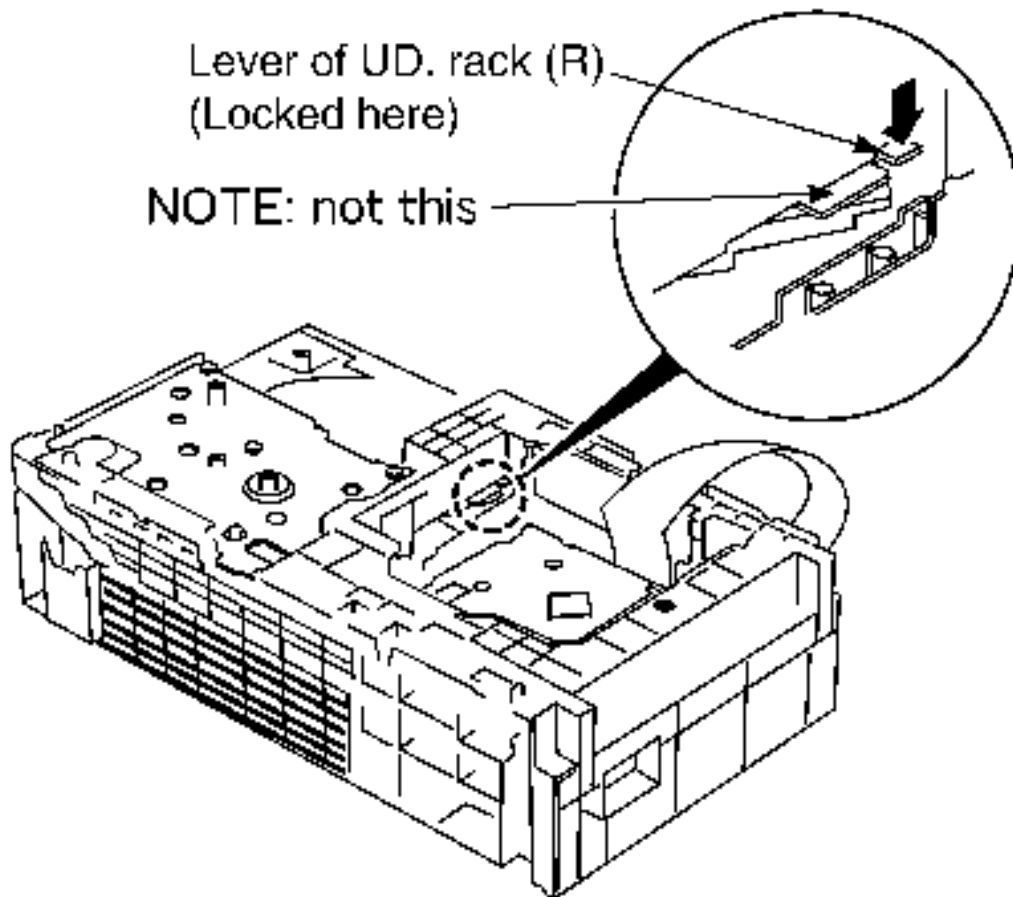
- Follow the (Step 1) - (Step 10) of item 17.9.2.

(Step 1)

Confirm the position for lever of UD. rack (R) to remove traverse unit.

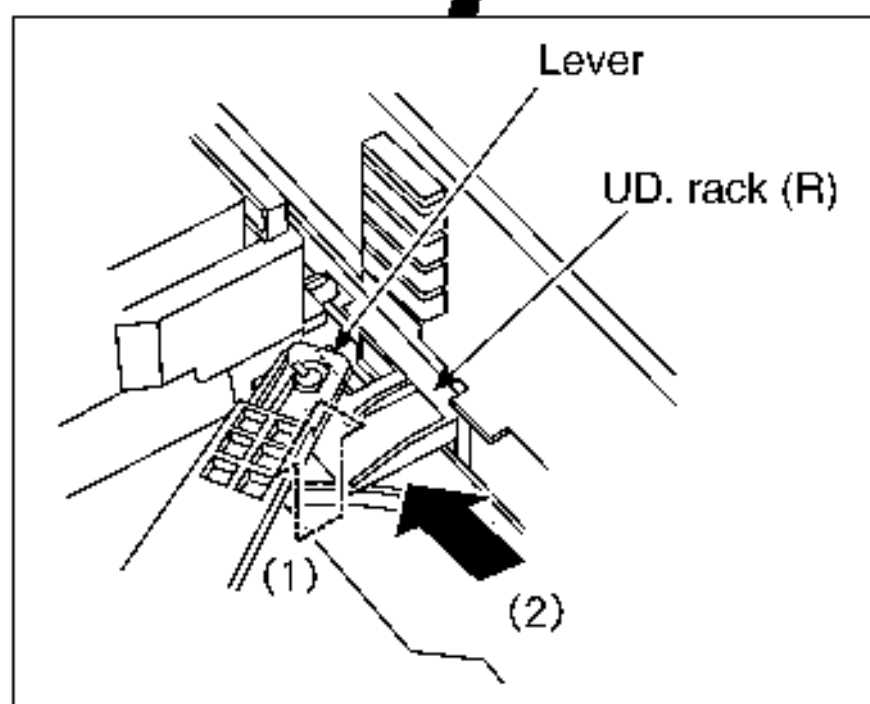
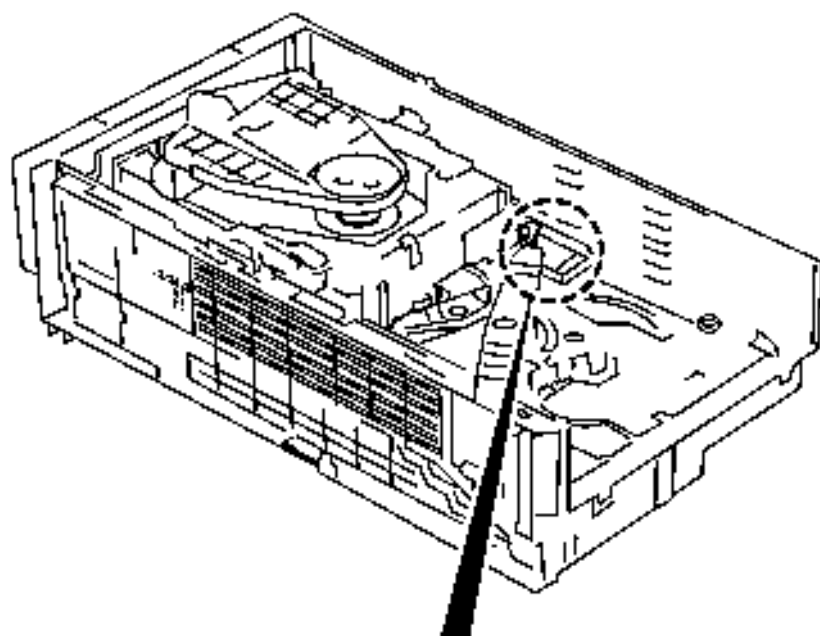
(Step 2)

Turn the unit over. (Upside: P.C.B.)



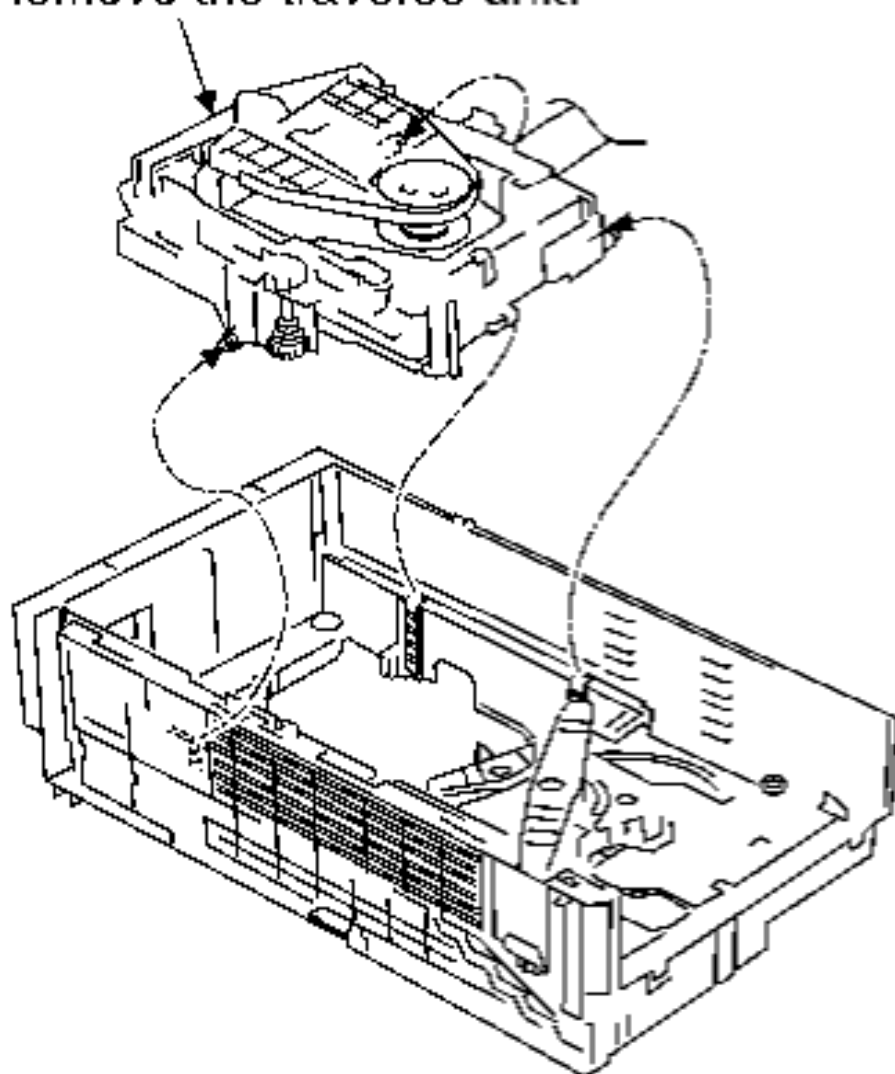
(Step 3)

Turn the unit over again, slide UD. rack (R) while pushing up the lever from the bottom.



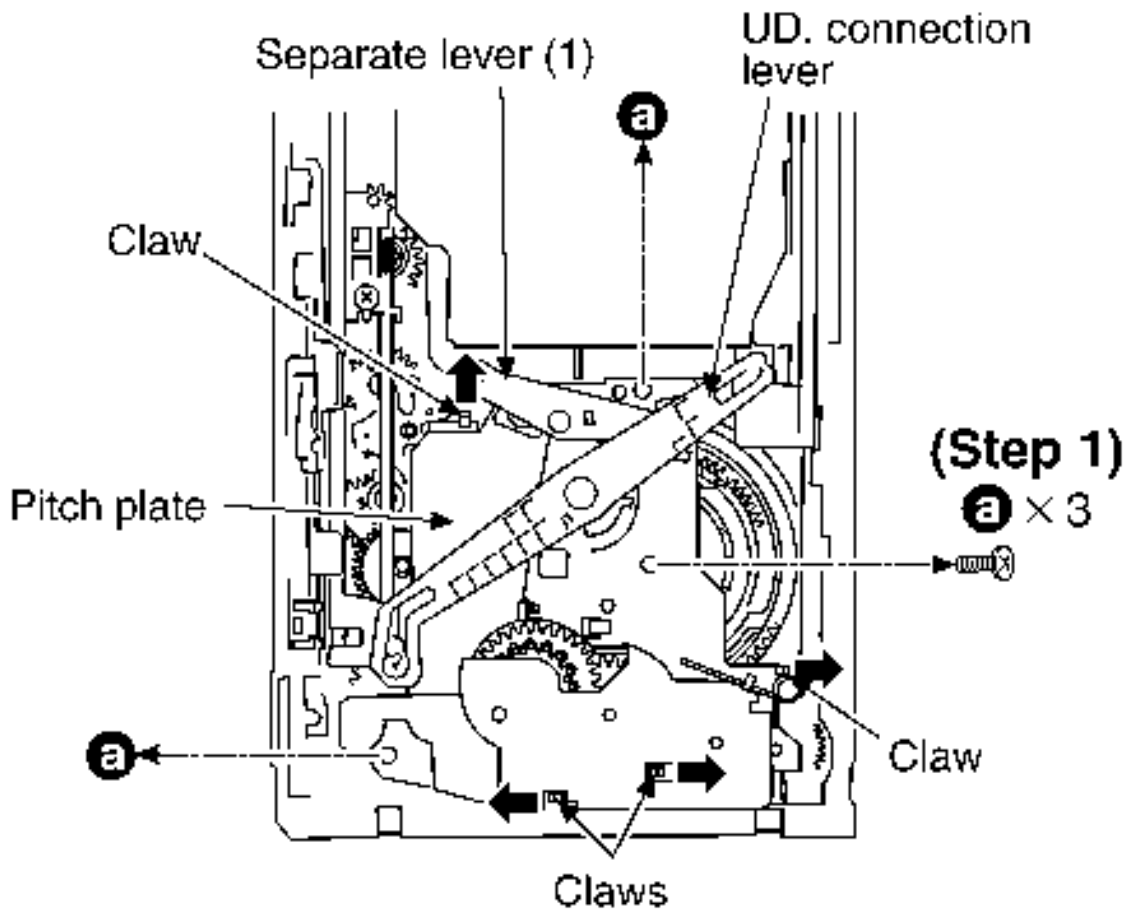
(Step 4)

Remove the traverse unit.



17.9.4 Disassembly for CD loading unit

- Follow the (Step 1) - (Step 10) of item 17.9.2.
- Follow the (Step 1) - (Step 3) of item 17.9.3.

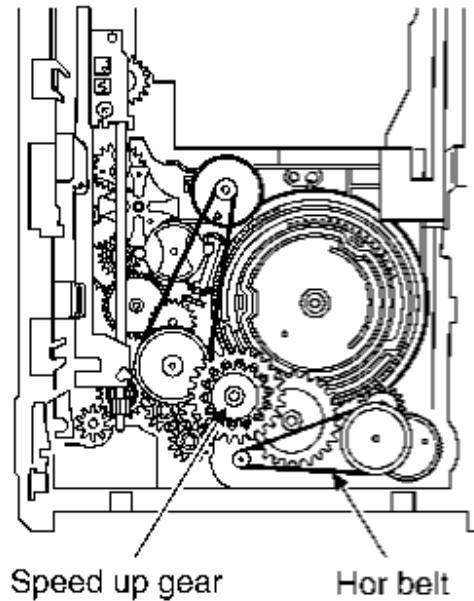


(Step 2)

Release the 4 claws, and then remove the pitch plate together with separate lever (1) and UD. connection lever.

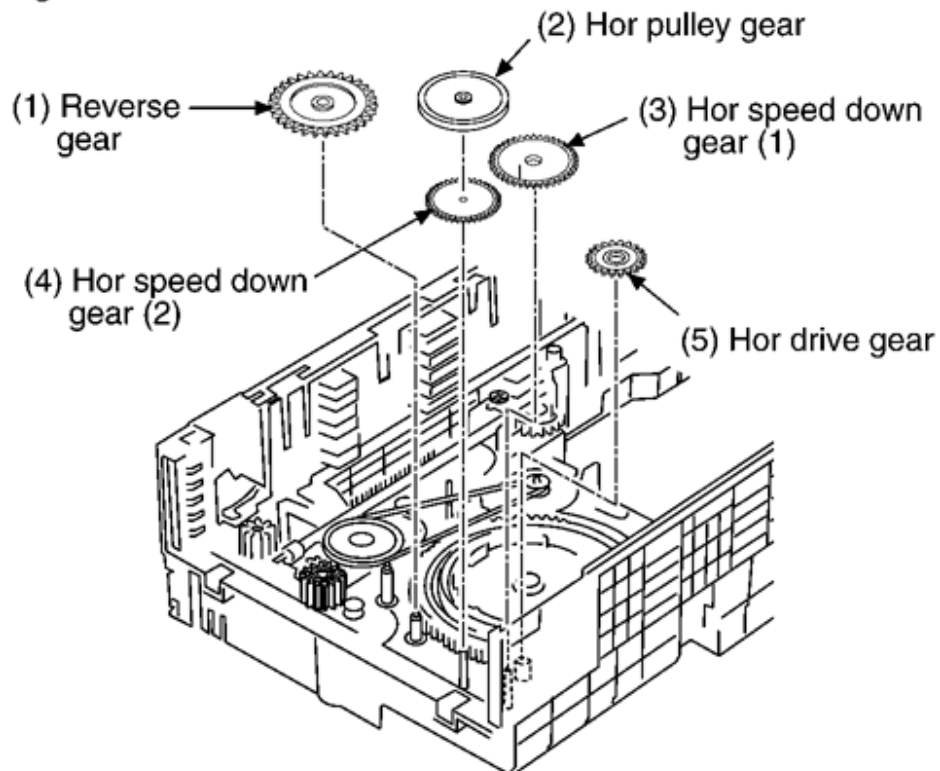
(Step 3)

Remove the speed up gear and hor belt.



(Step 4)

Remove the reverse gear, hor pulley gear, hor speed down gear (1), hor speed down gear (2) and hor drive gear.

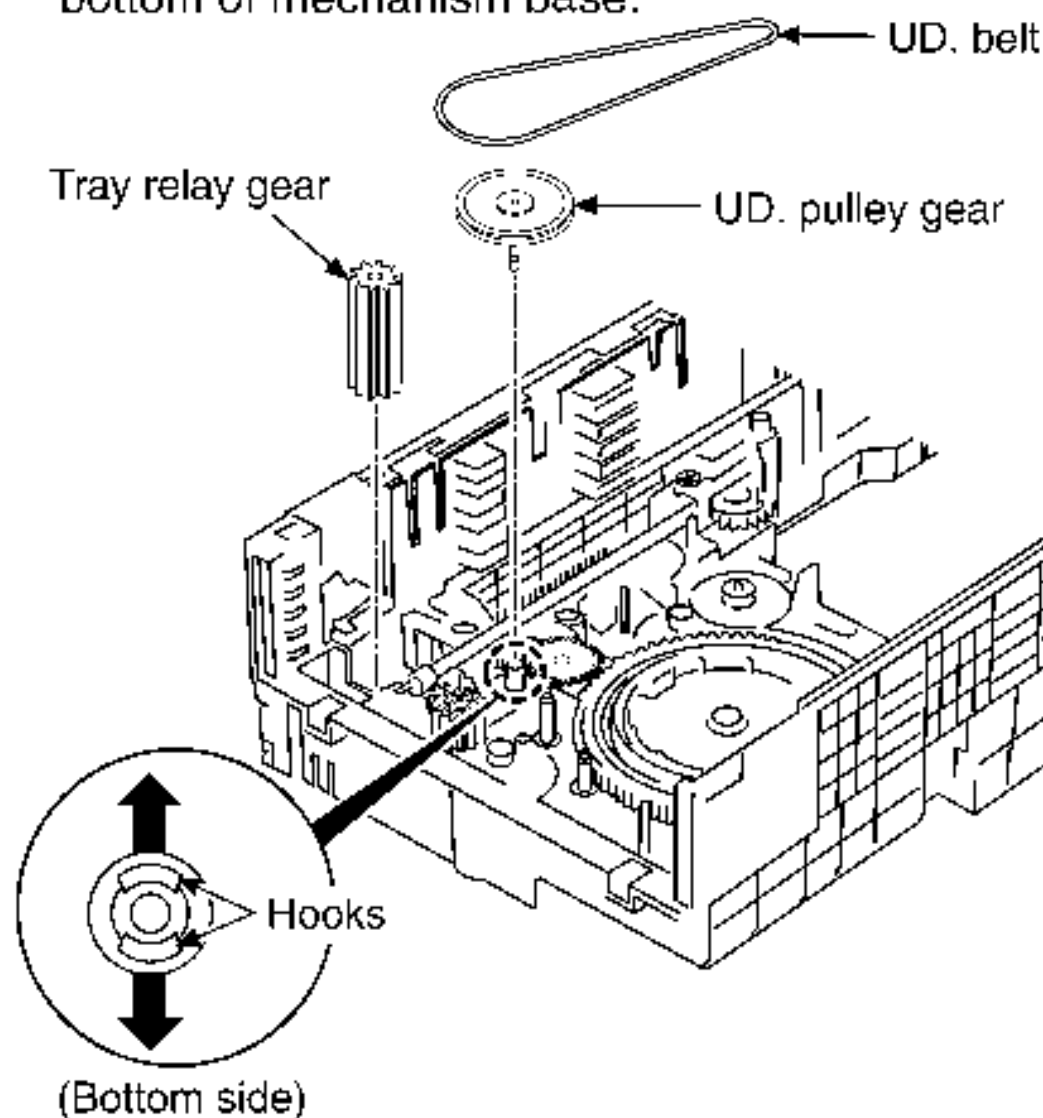


(Step 5)

Remove the UD. belt and tray relay gear.

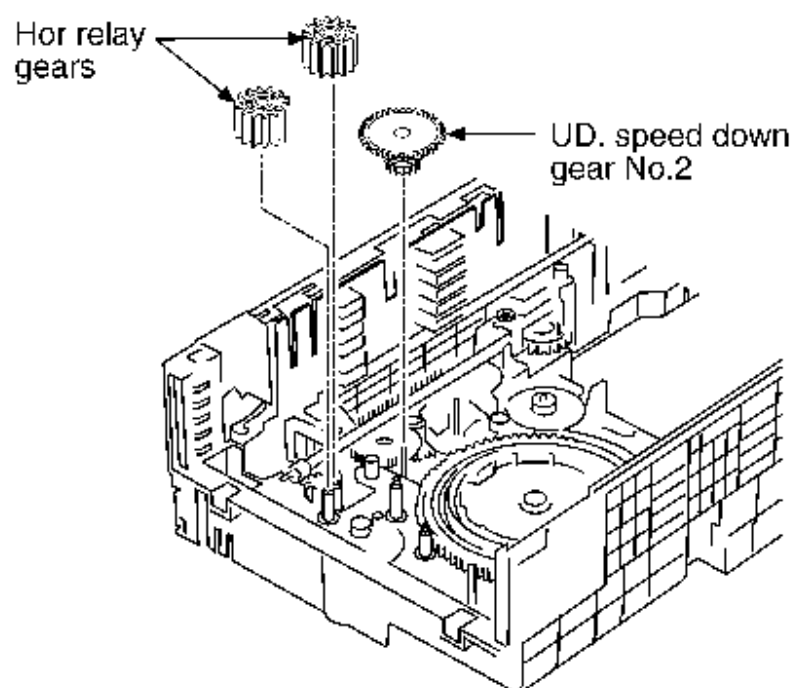
(Step 6)

Pull out the UD. pulley gear, loosen 2 hooks of the bottom of mechanism base.



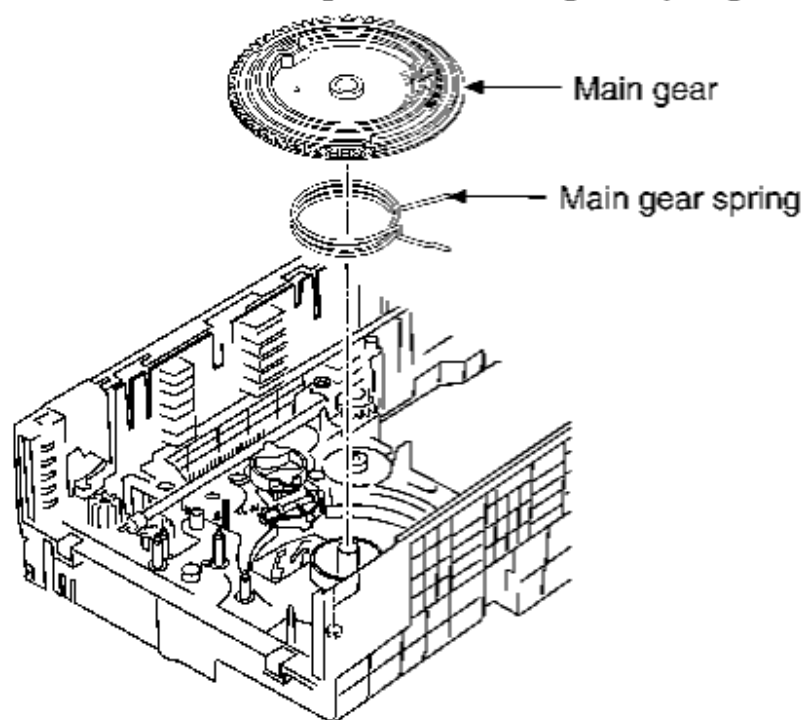
(Step 7)

Remove the 2 hor relay gears and UD. speed down gear No.2.



(Step 8)

Remove the main gear and main gear spring.

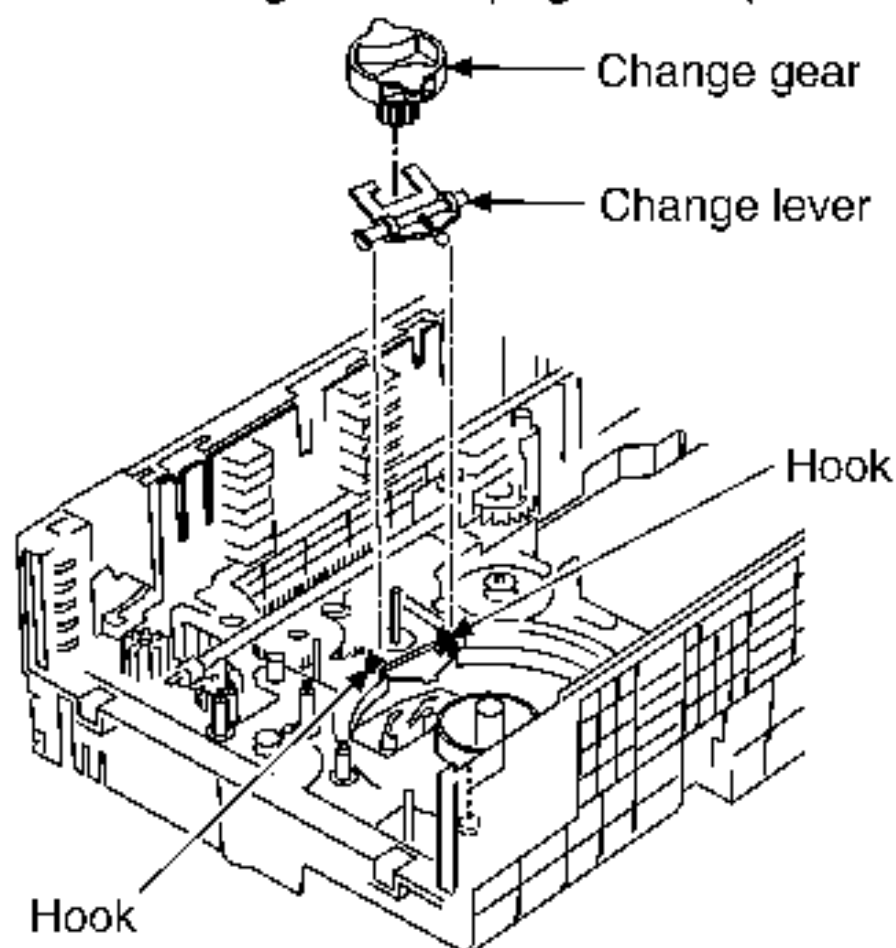


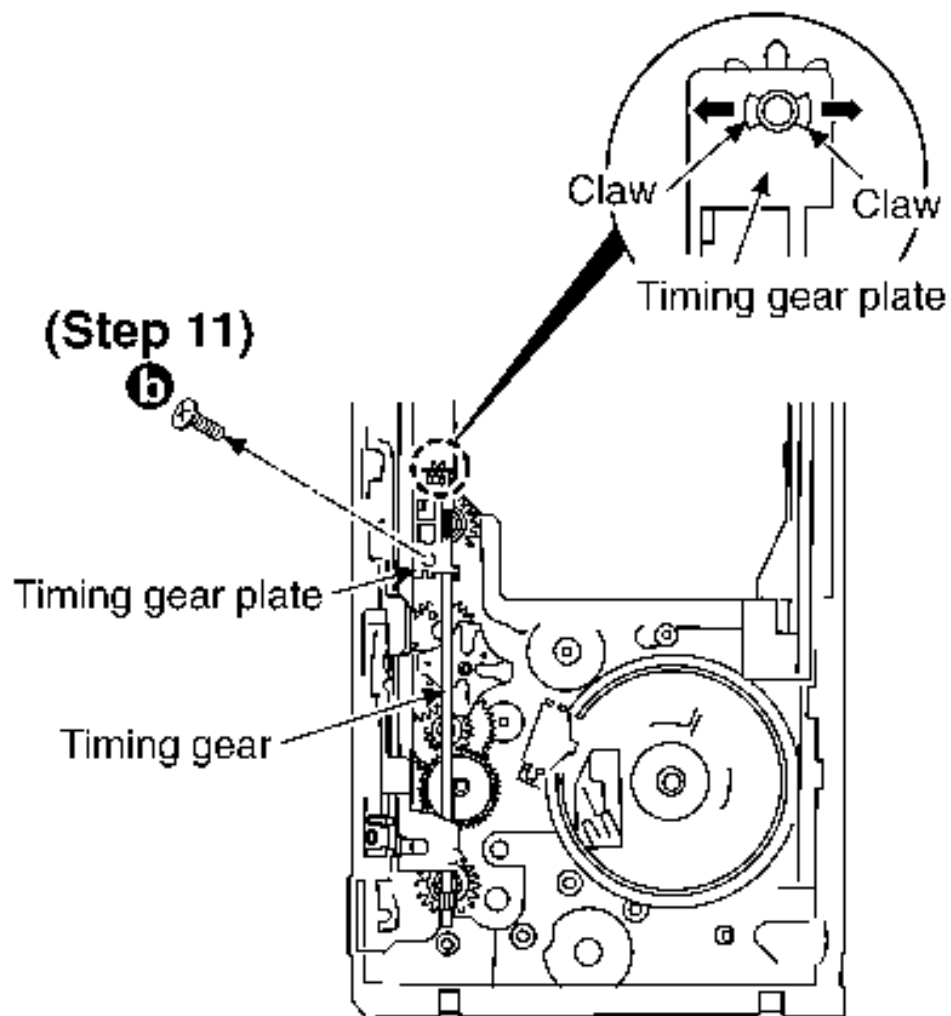
(Step 9)

Remove the change gear.

(Step 10)

Raise the change lever upright, and pull it out of hook.





(Step 12)

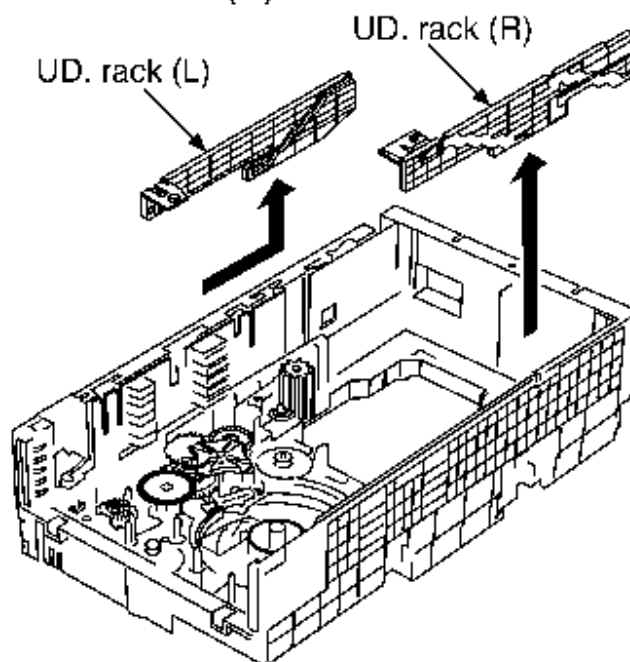
Release the 2 claws, and then remove the timing gear and timing gear plate.

(Step 13)

Move the UD. rack (L) to backward, and then remove it.

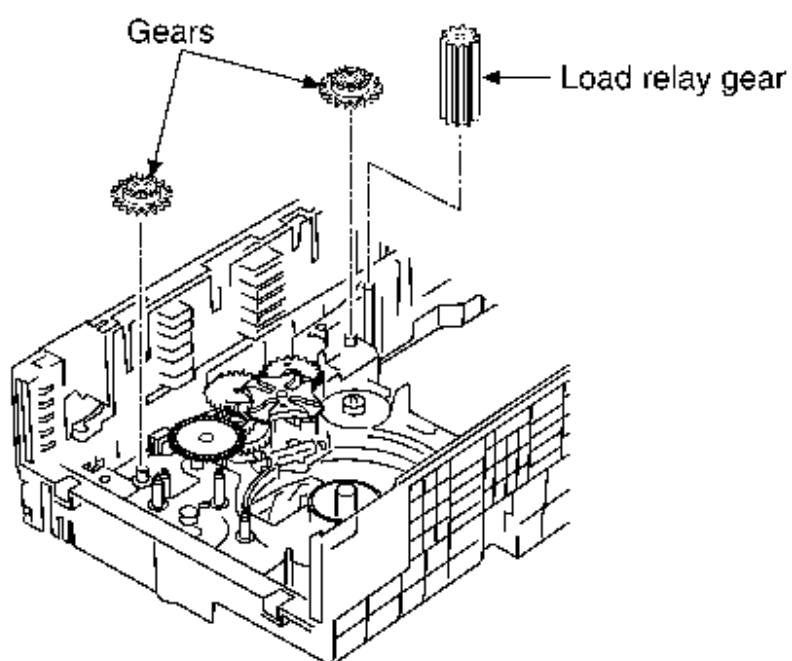
(Step 14)

Remove the UD. rack (R).



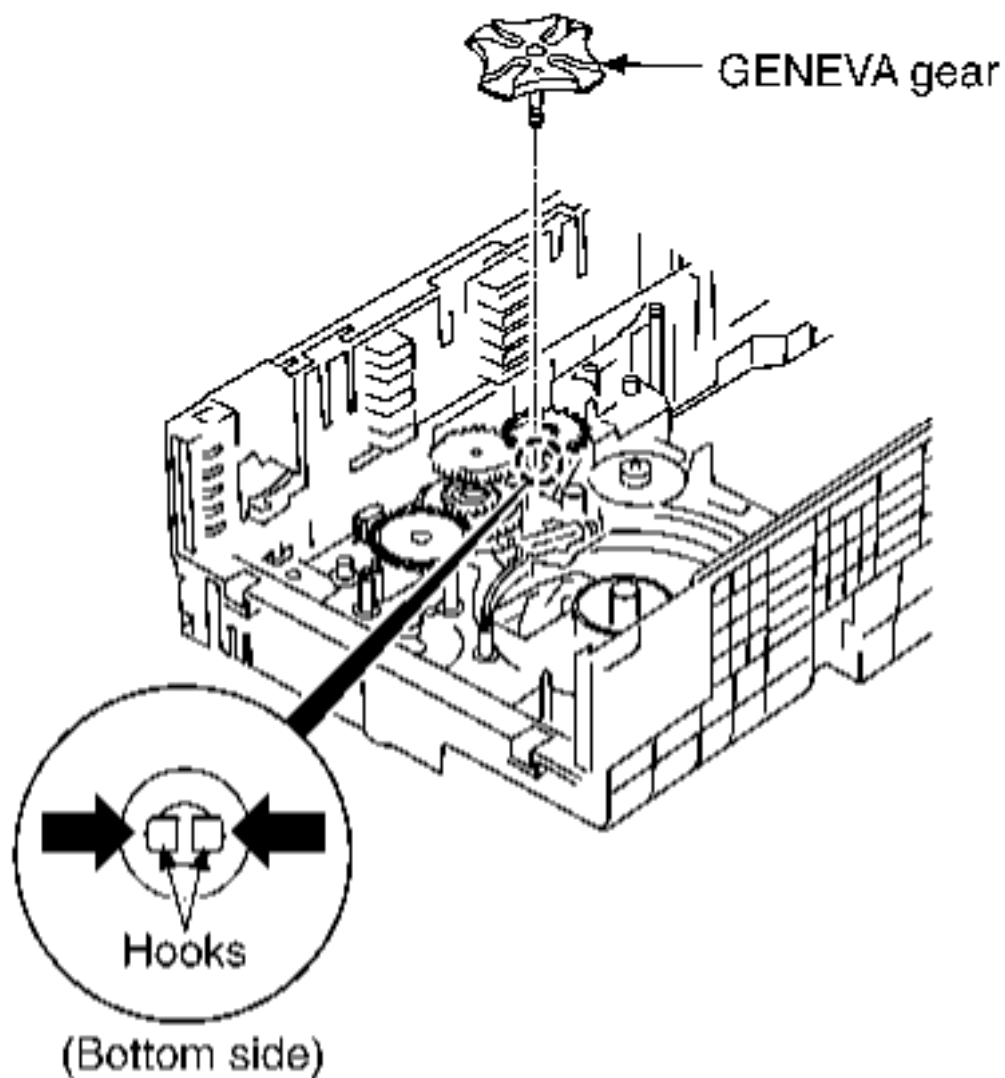
(Step 15)

Remove the 2 gears and load relay gear.



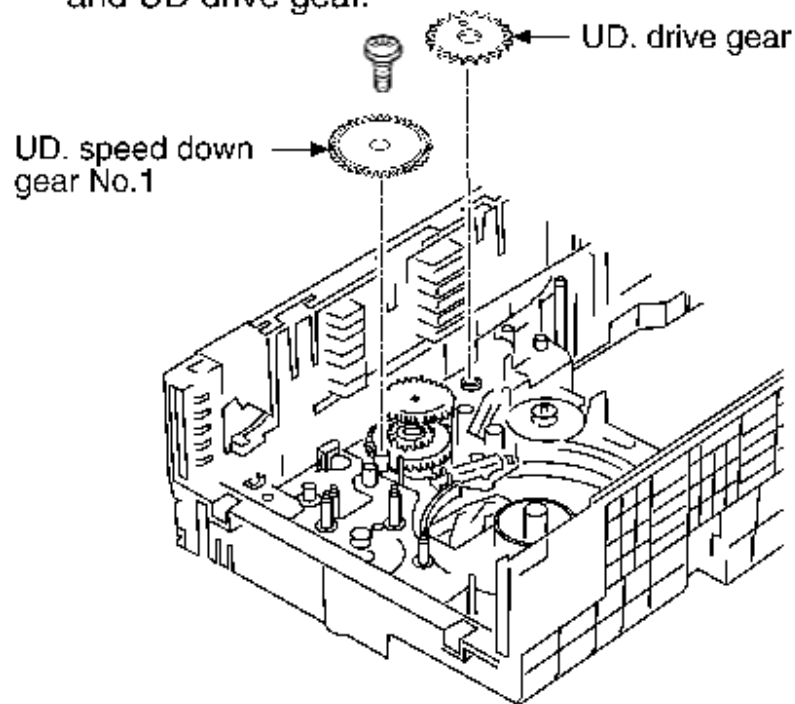
(Step 16)

Pull out the GENEVA gear, loosen 2 hooks of the bottom of mechanism base.



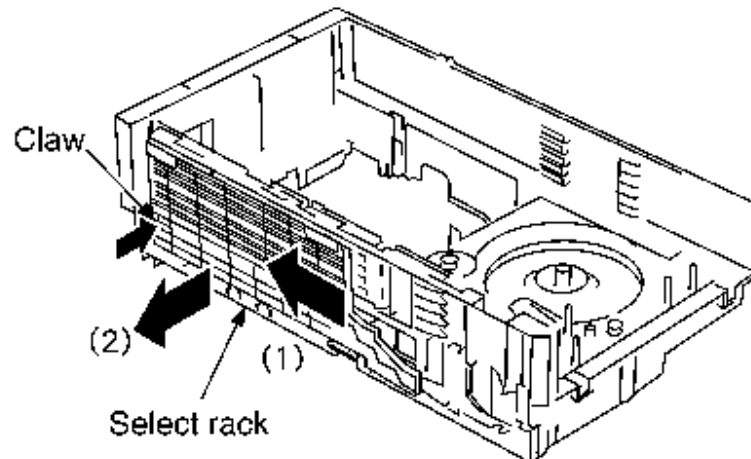
(Step 17)

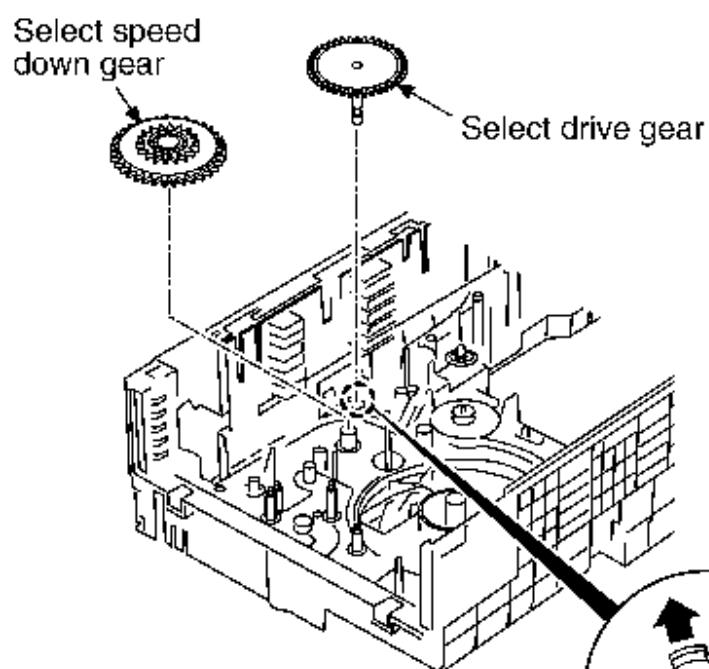
Remove the UD. speed down gear No.1
and UD drive gear.



(Step 18)

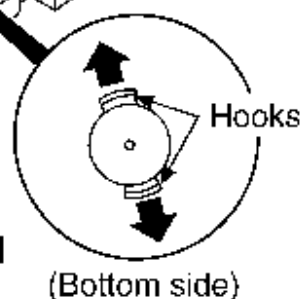
Slide the select rack to the edge direction of the arrow (1).
Push the claw and pull out to arrow (2) while sliding the
select rack to the arrow (1).





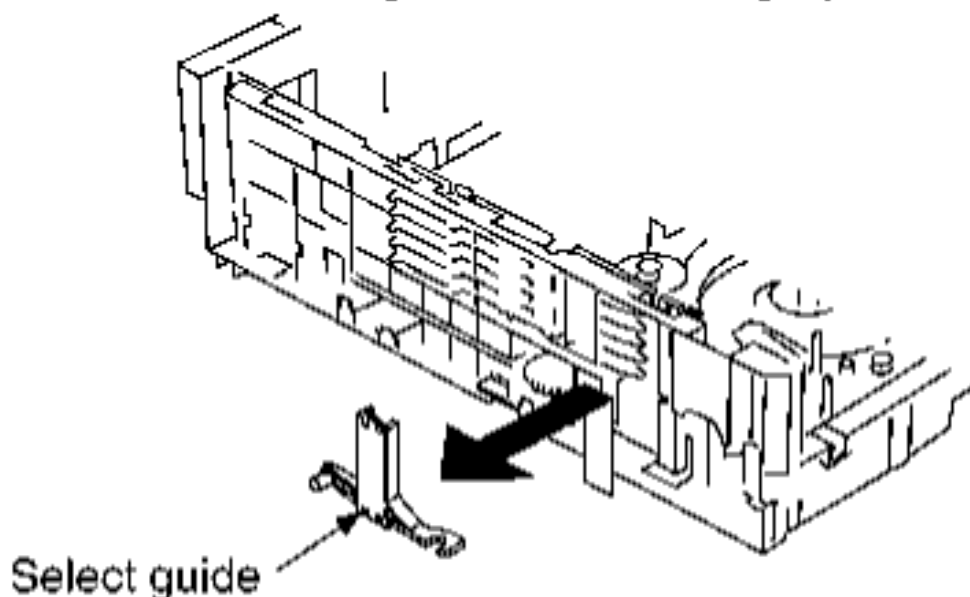
(Step 19)

Pull out the select drive gear, loosen 2 hooks of the bottom of mechanism base. Then, remove the select speed down gear.



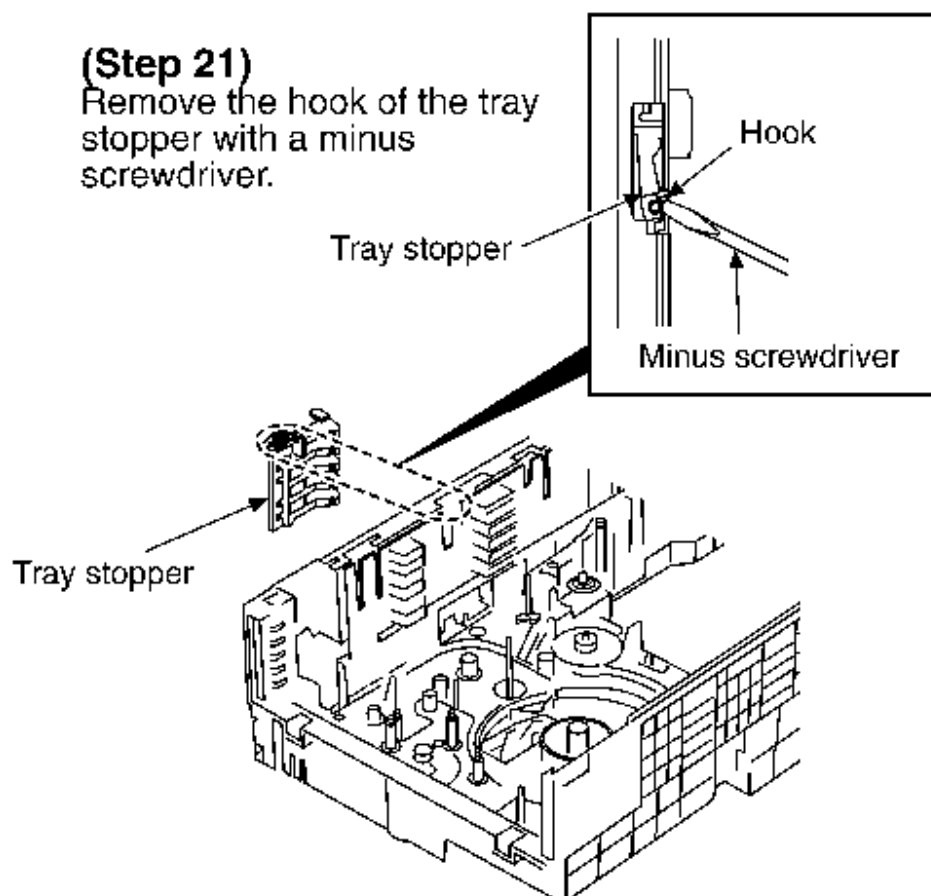
(Step 20)

Remove the select guide after sliding upside.



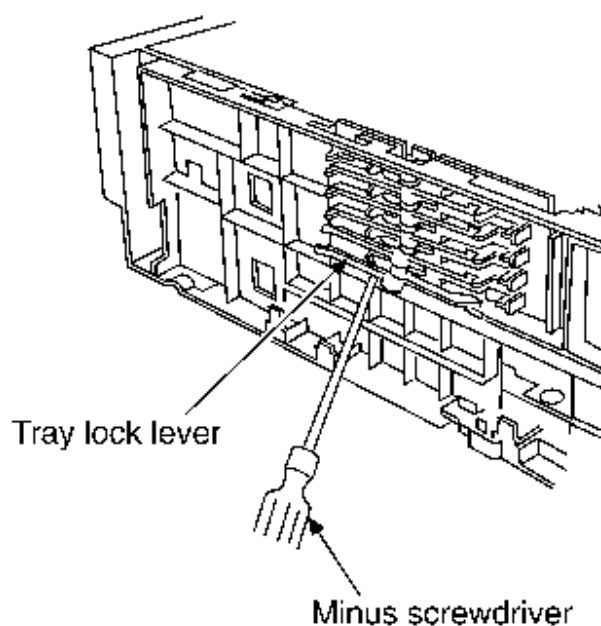
(Step 21)

Remove the hook of the tray stopper with a minus screwdriver.



(Step 22)

Remove the bottom of the tray lock lever with a minus screwdriver and others.



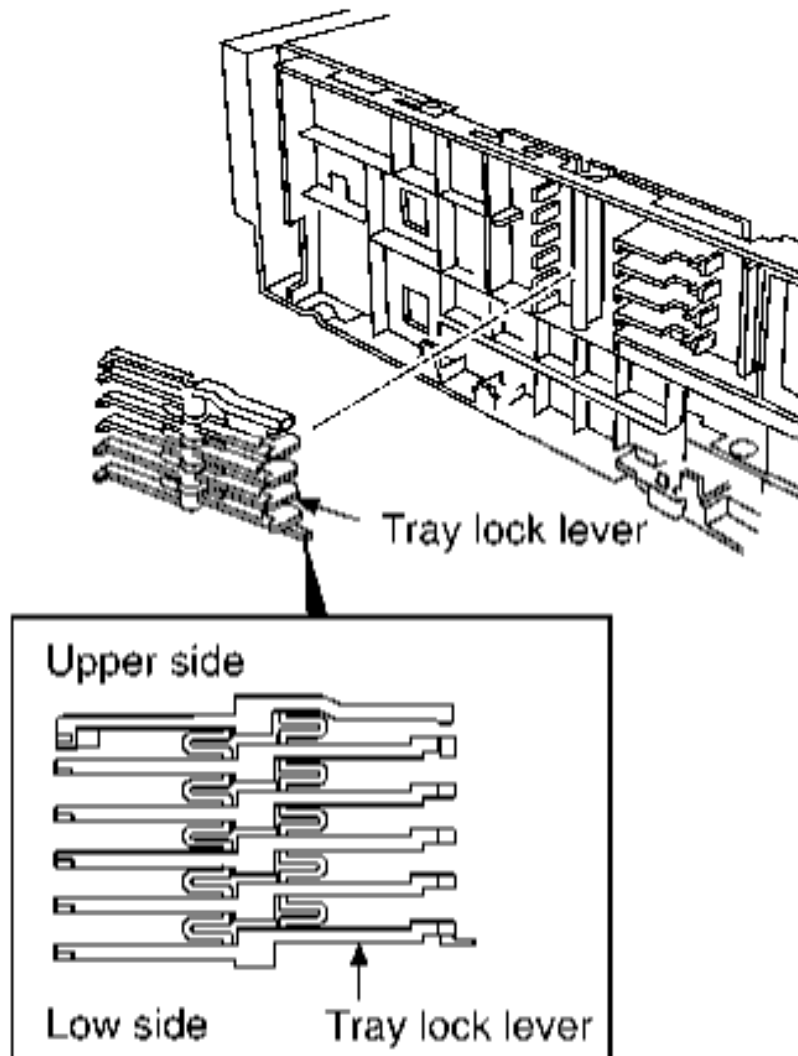
17.10 CR16 MECHANISM ASSEMBLY PROCEDURE

The following specified greases and/or oil must be applied when some specific parts are changed.

1. Floil grease (VFK1298) : The floil grease must be applied to tray, tray (L) and tray (R).
2. Hanarl oil (VFK1700) : The hanarl oil must be applied to any parts with grease other than the said parts.

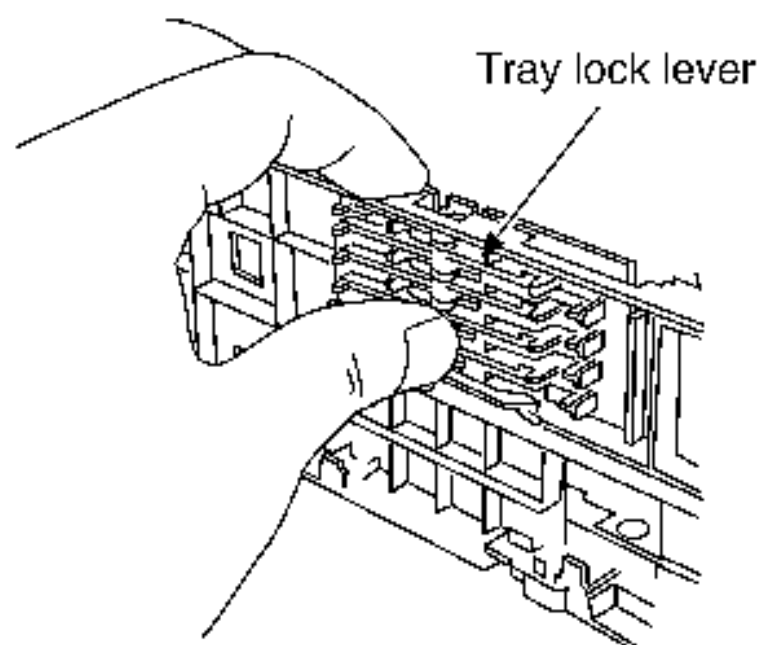
(Step 1)

Install the tray lock lever to mechanism base.



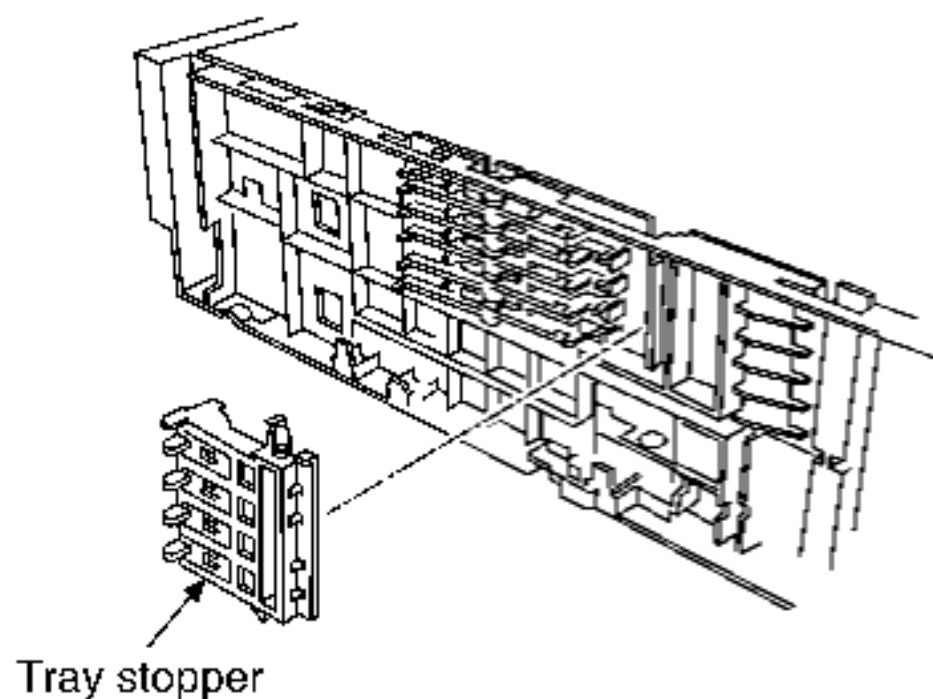
(Step 2)

Push the tray lock lever with a hand and install it.



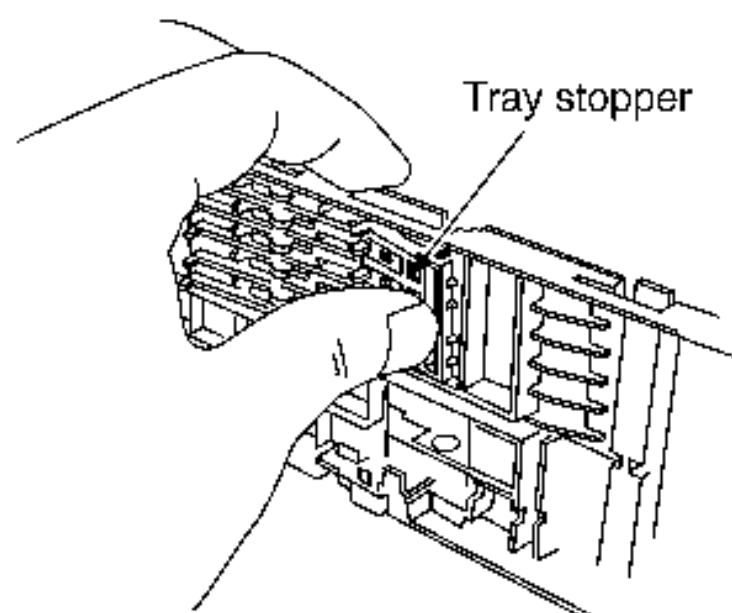
(Step 3)

Install the tray stopper to mechanism base.



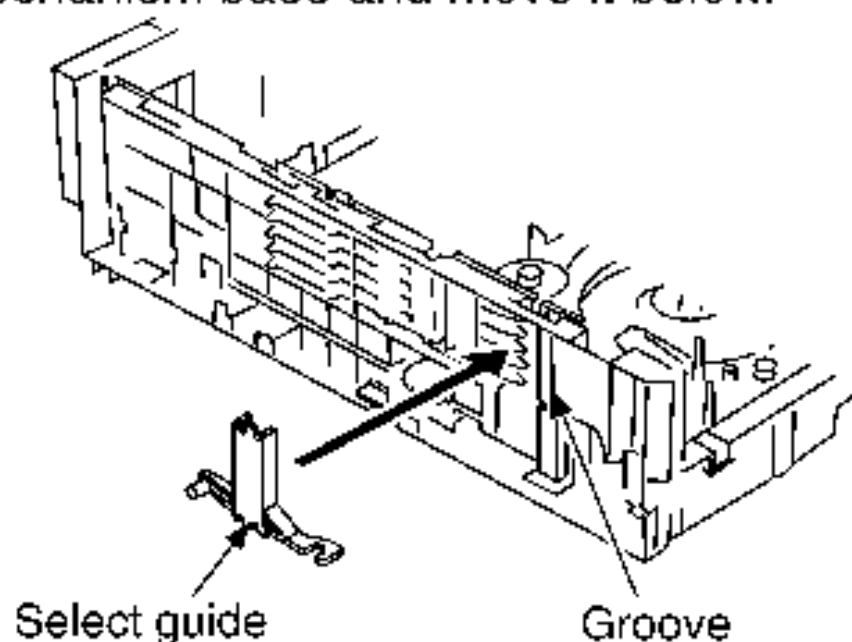
(Step 4)

Push the tray stopper with a hand and install it.



(Step 5)

Insert the select guide with a groove of the mechanism base and move it below.



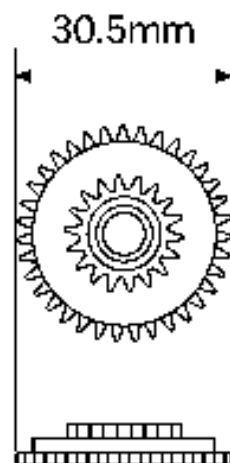
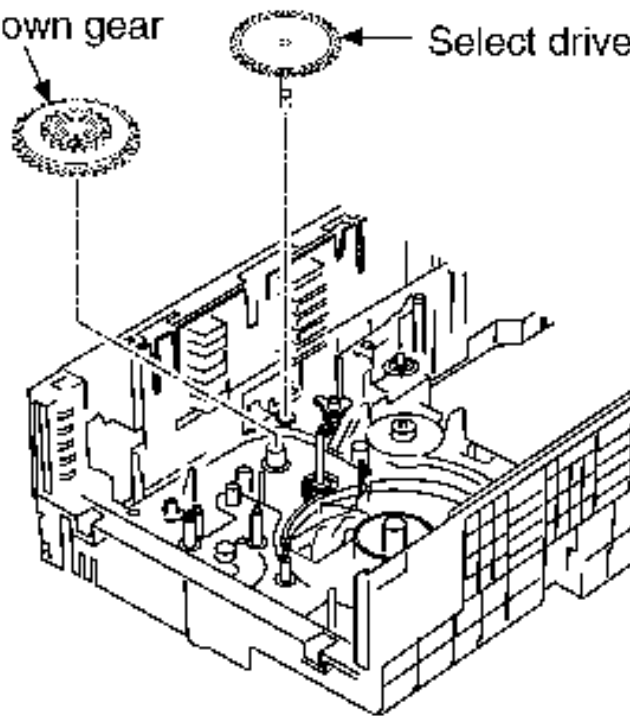
(Step 6)

Install the select speed down gear to mechanism base.

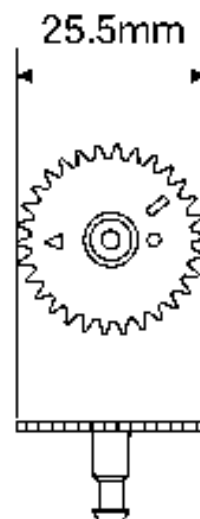
(Step 7)

Install the select drive gear to mechanism base.

Select speed down gear Select drive gear



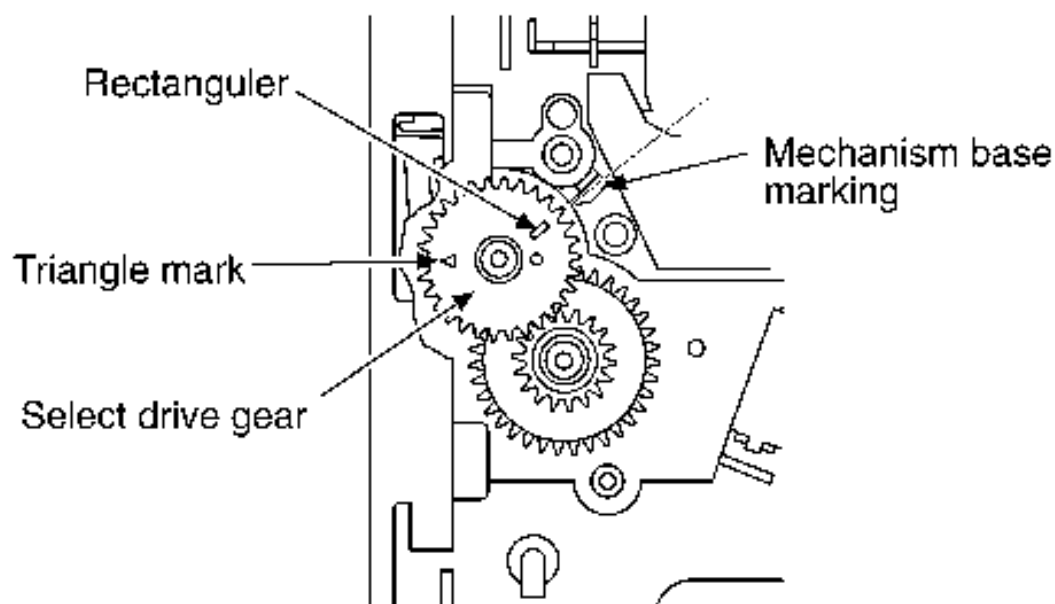
Select speed down gear
(White)



Select drive gear
(White)

(Step 8)

Fit a mechanism base marking to the rectangular mark of gear so that the triangle mark can indicate the sideward direction.



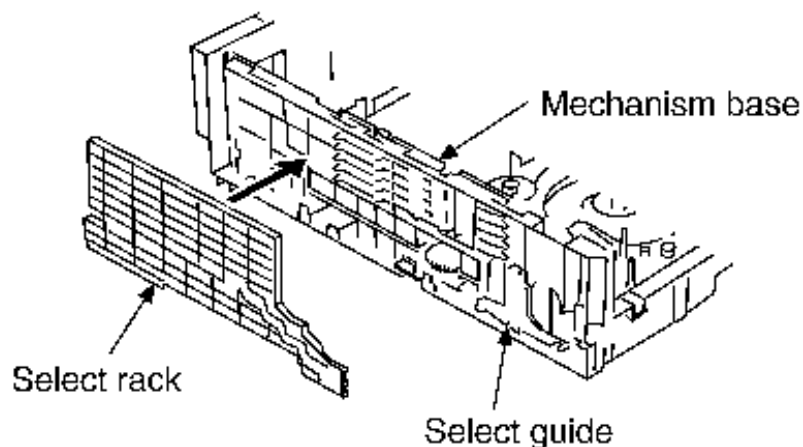
(Step 9)

Install the select rack to mechanism base.

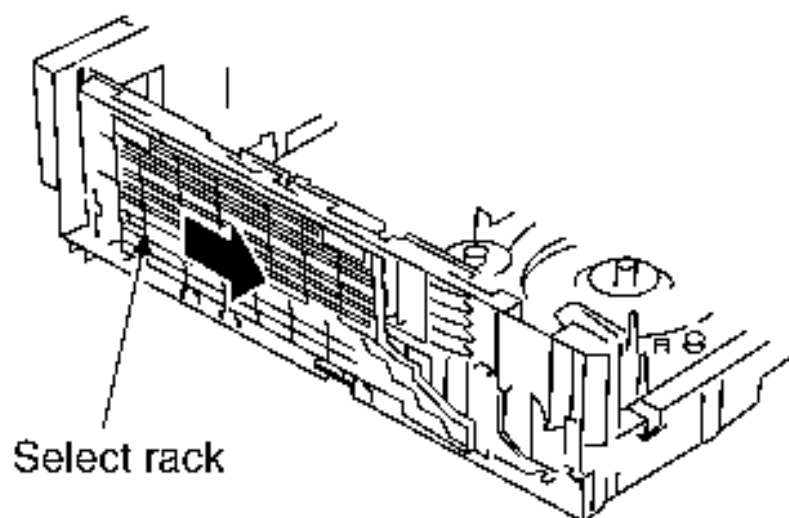
(Checking items before the installation.

1. Check select guide is completely in lowest position.
2. Check its phase of select drive gear is correct position. (Rectangle/Triangular mark) (Refer to Step 8)

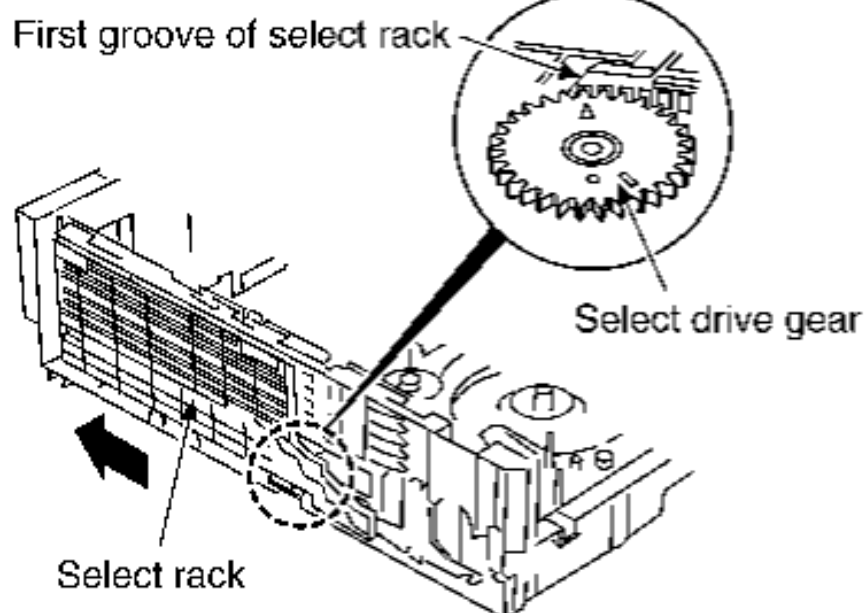
1. Put a select rack down with it fitted to its circumference of mechanism base.



2. Slide the select rack with it's pushing to a little right direction and install it.

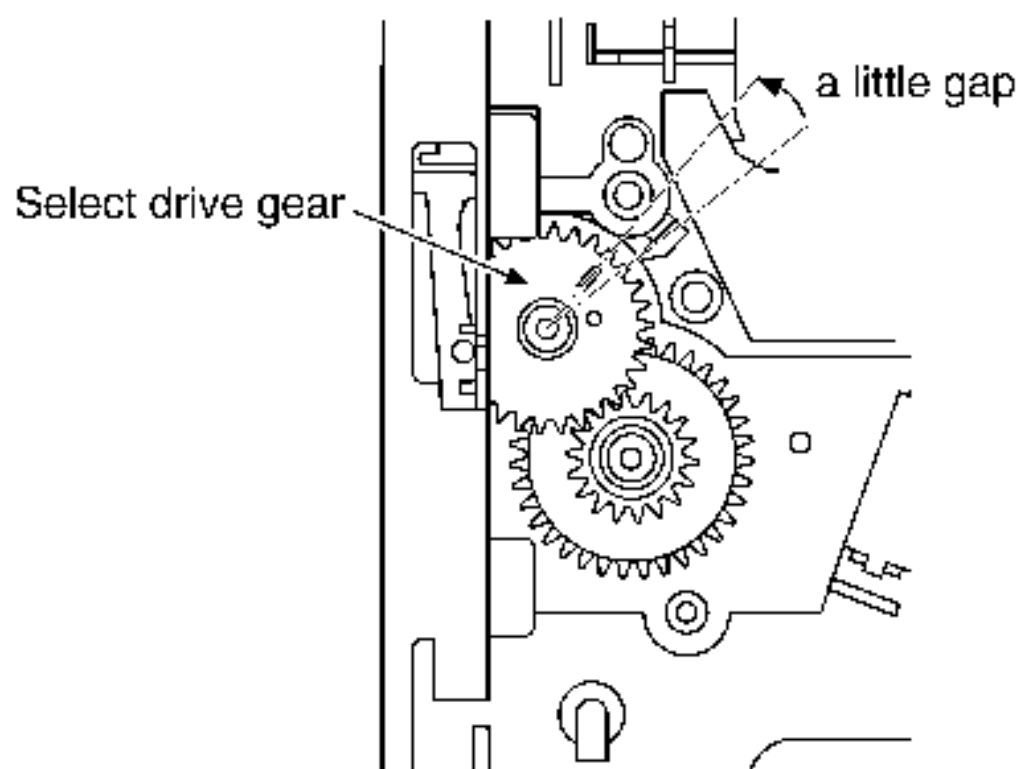


(Figure to see from the inside)



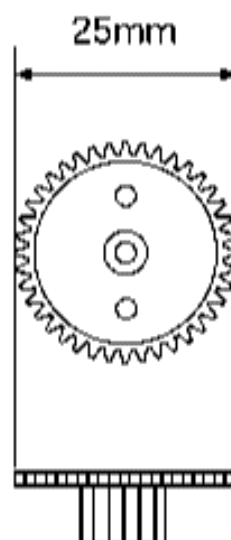
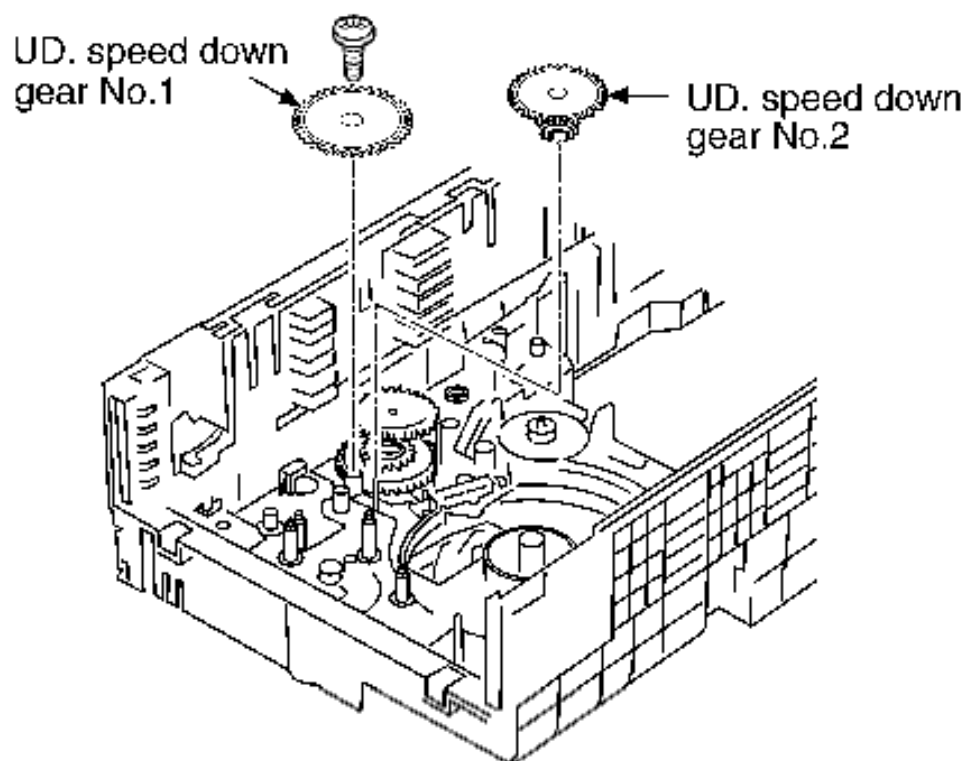
3. Check whether its end of triangular mark is in first groove of select rack, after fixing.
4. After insertion of select rack, continue the following work until the indication that it gose forward. And, all the while it must be checked that select rack is in the extreme end.

5. After insertion the select rack, the marking of select gear has a little gap when it is in the extreme end.

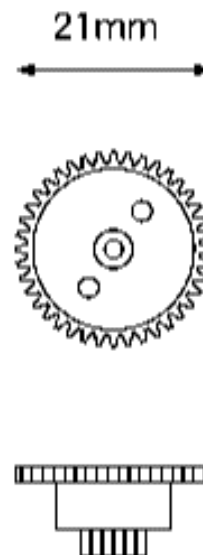


(Step 10)

Install the UD. speed down gear No.1 and
UD. speed down gear No.2.



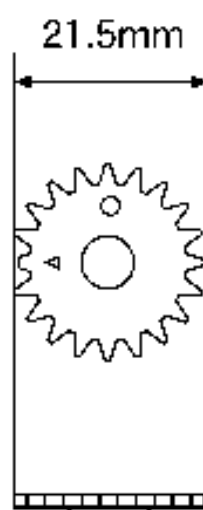
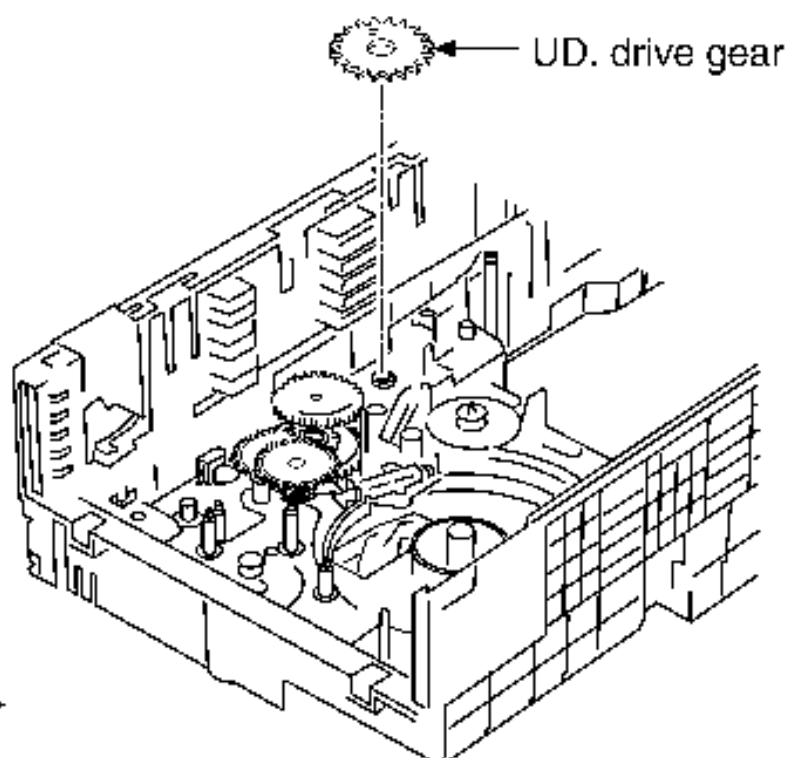
UD. speed down gear No.1
(White)



UD. speed down gear No.2
(Semi-transparent)

(Step 11)

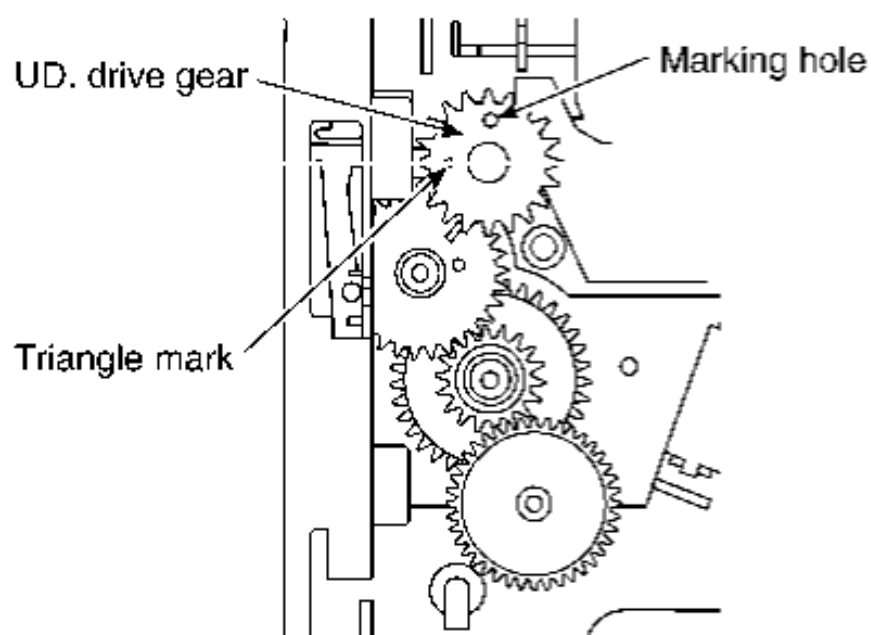
Install the UD. drive gear to mechanism base.



UD drive gear
(White)

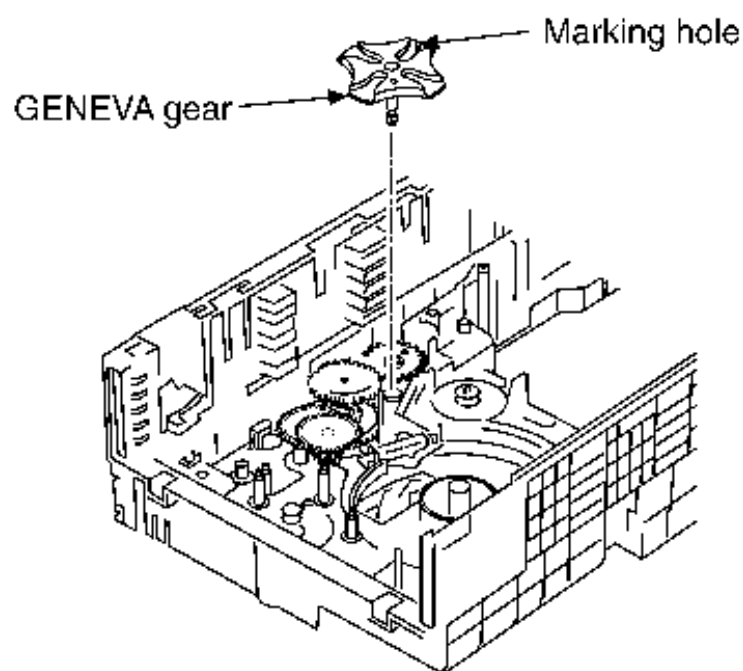
(Step 12)

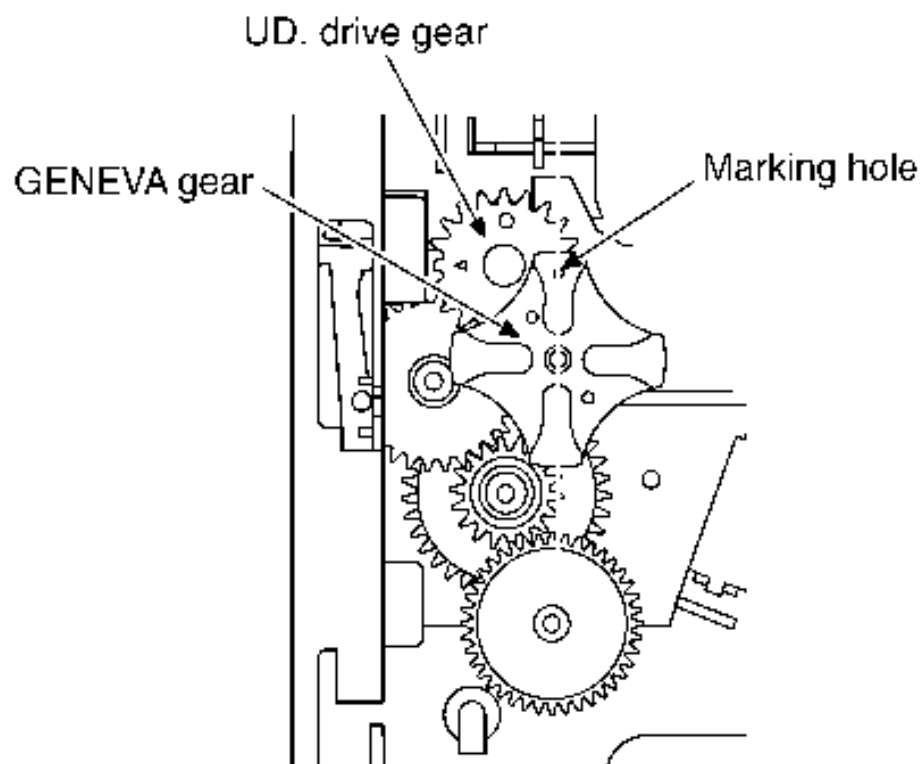
Insert the UD. drive gear with its marking hole upward.
At that time, its triangle mark should be sideways.



(Step 13)

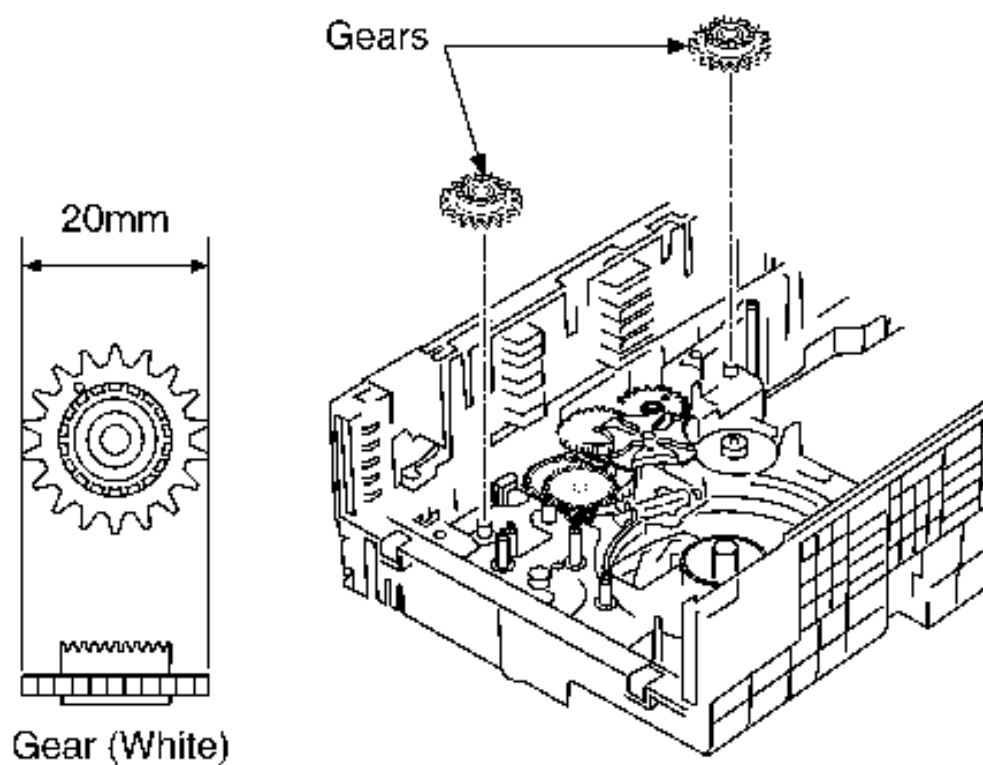
Insert the GENEVA gear with its marking hole upward,
and fix it by 2 hooks on bottom of mechanism base.
At that time, UD. drive gear mustn't be moved.





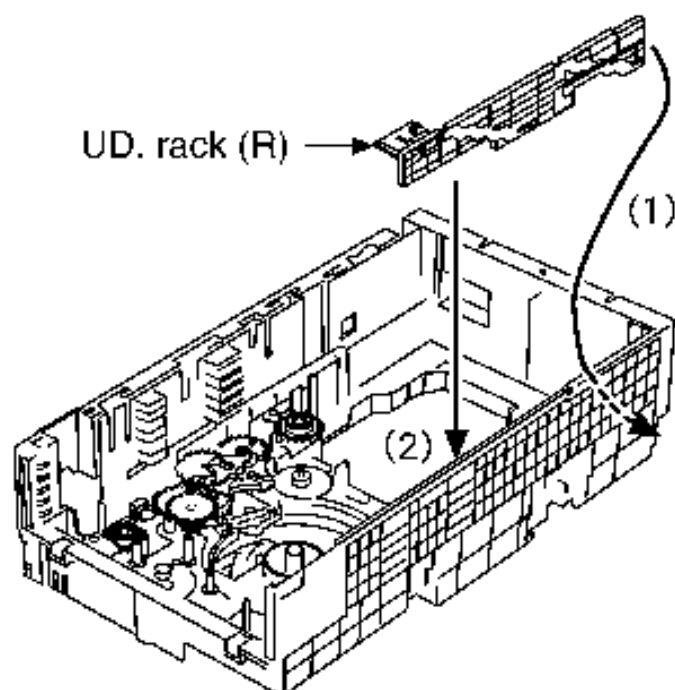
(Step 14)

Install the 2 gears to mechanism base.



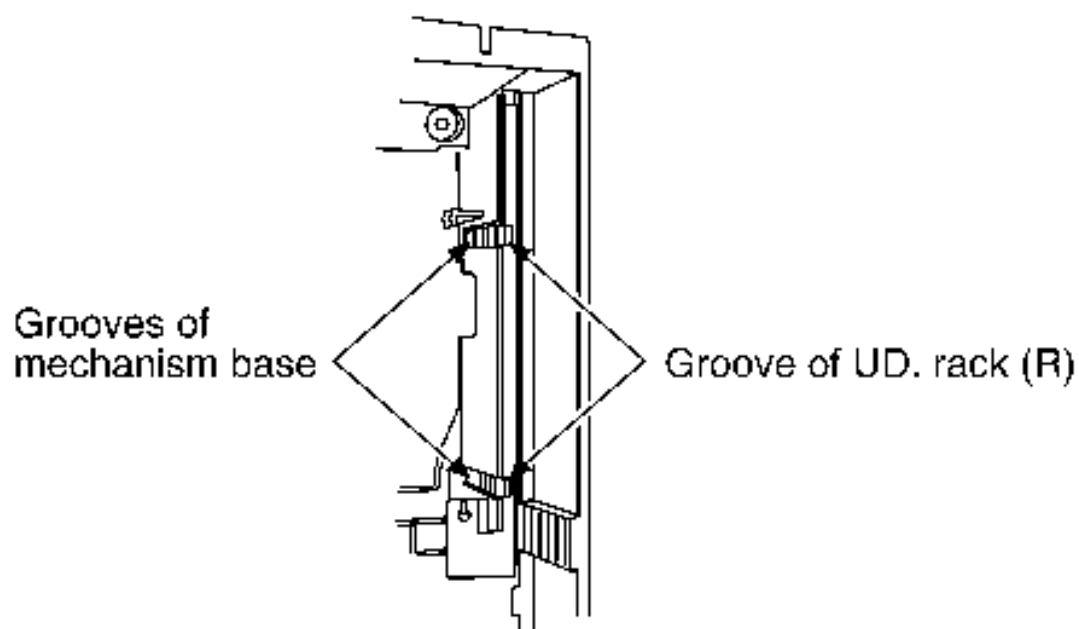
(Step 15)

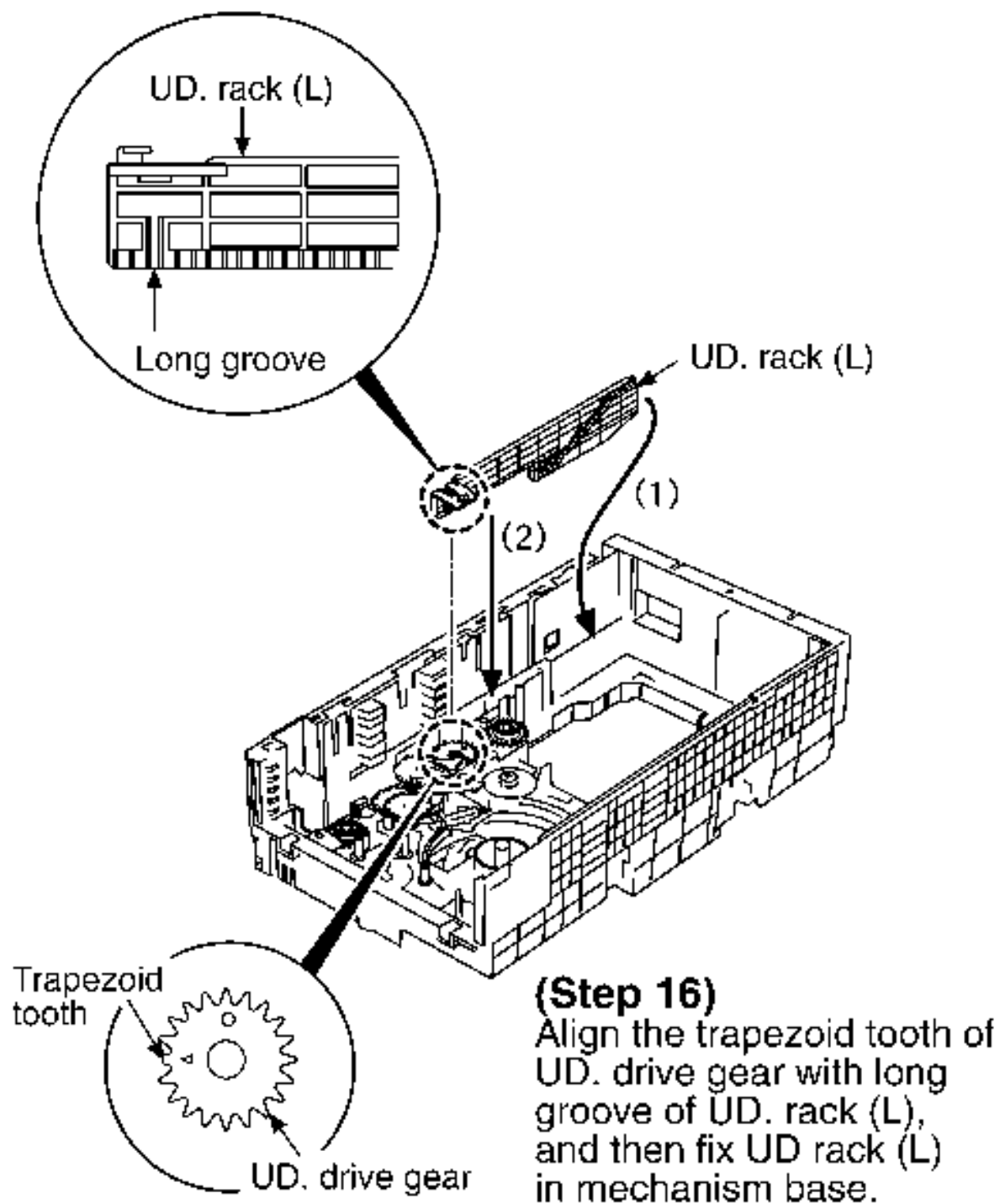
Insert the UD. rack (R) to (2) from arrow (1).



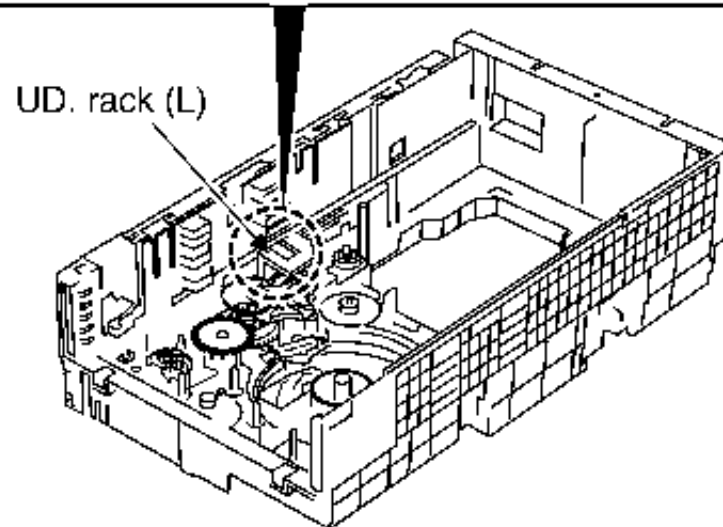
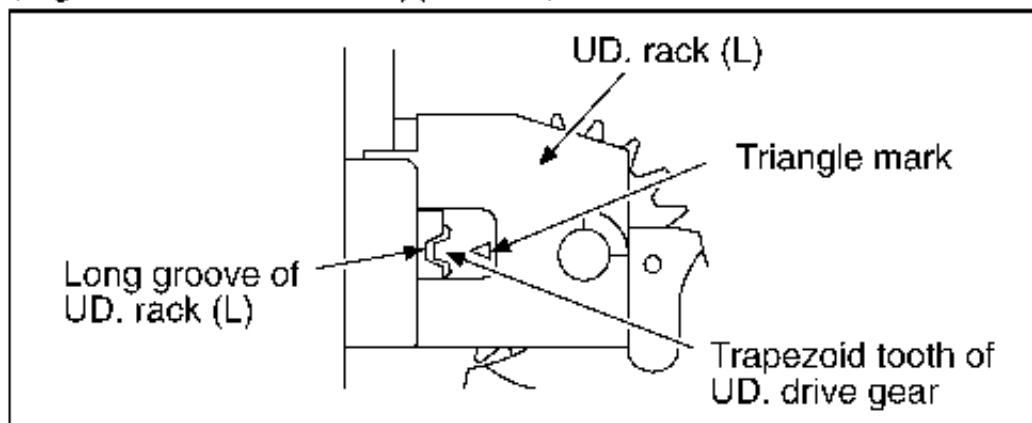
NOTE:

Put a groove of the mechanism base to the UD. rack (R).





(Figure to see from the upper side)

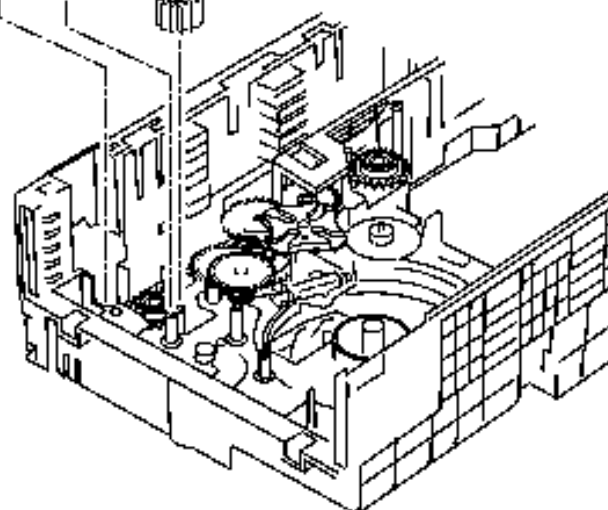


(Step 17)

Install the tray relay gear and 2 hor relay gears.

Tray relay gear

Hor relay gears

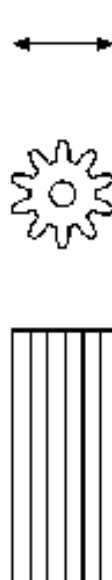


15.5mm



Hor relay gears
(White)

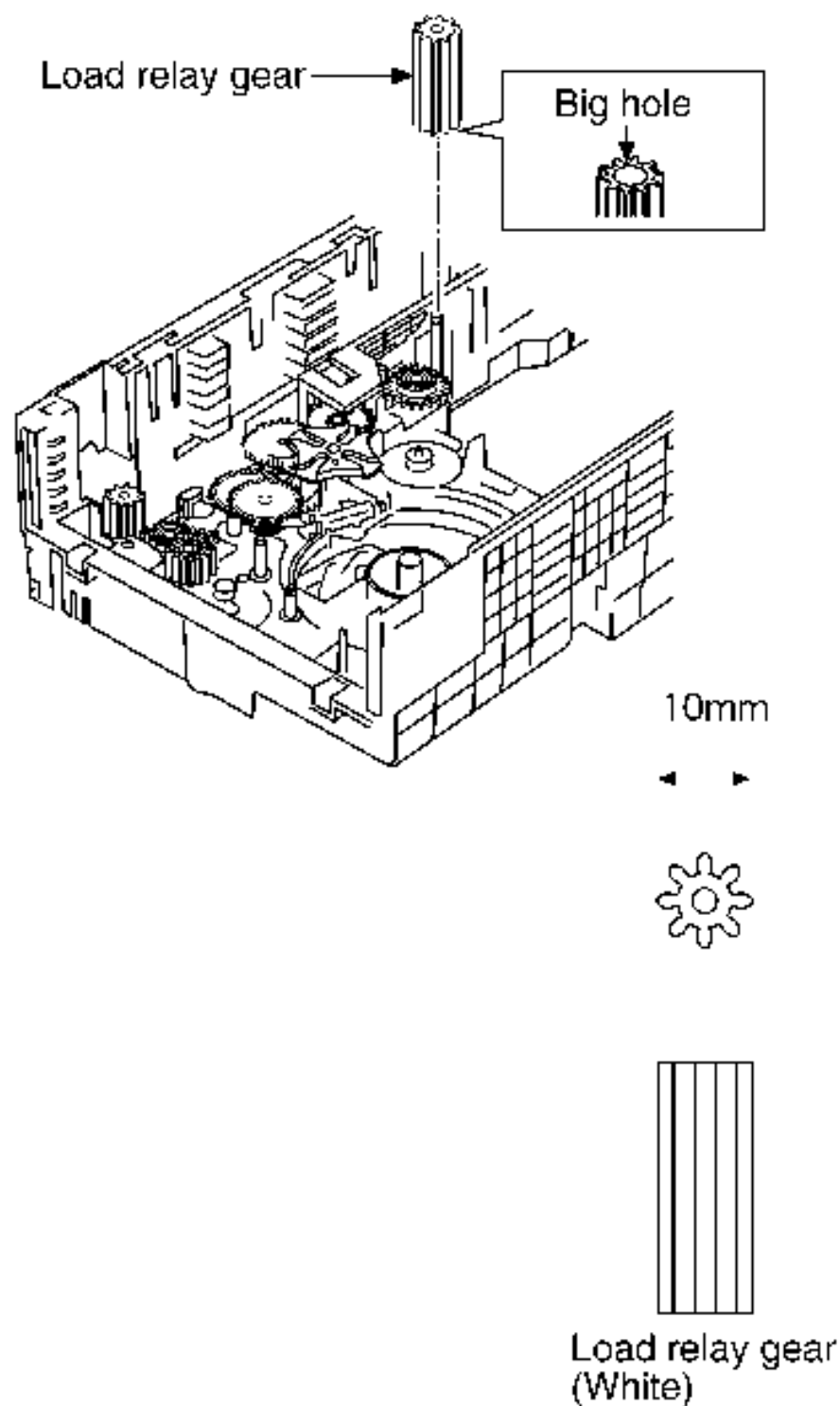
12mm



Tray relay gear
(White)

(Step 18)

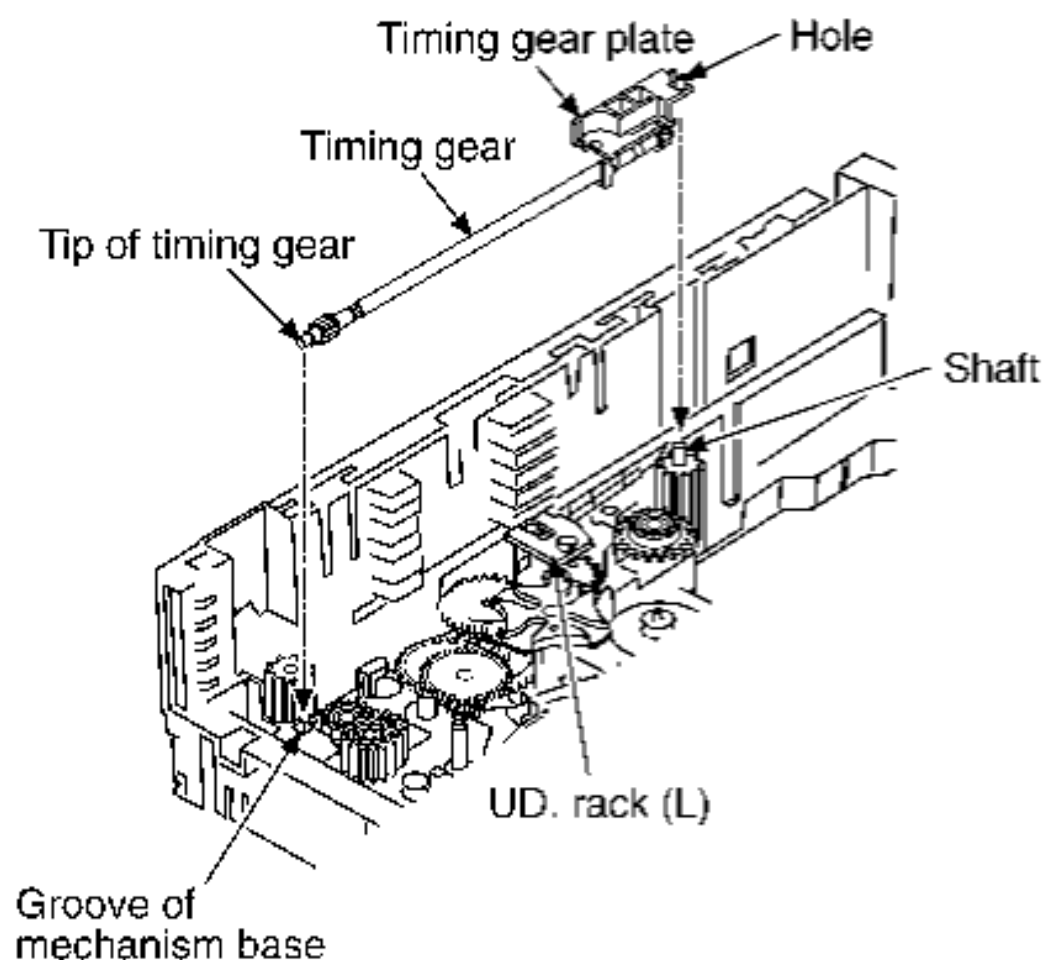
Install the load relay gear to mechanism base.
(Fit load relay gear with its big hole downward.)



(Step 19)

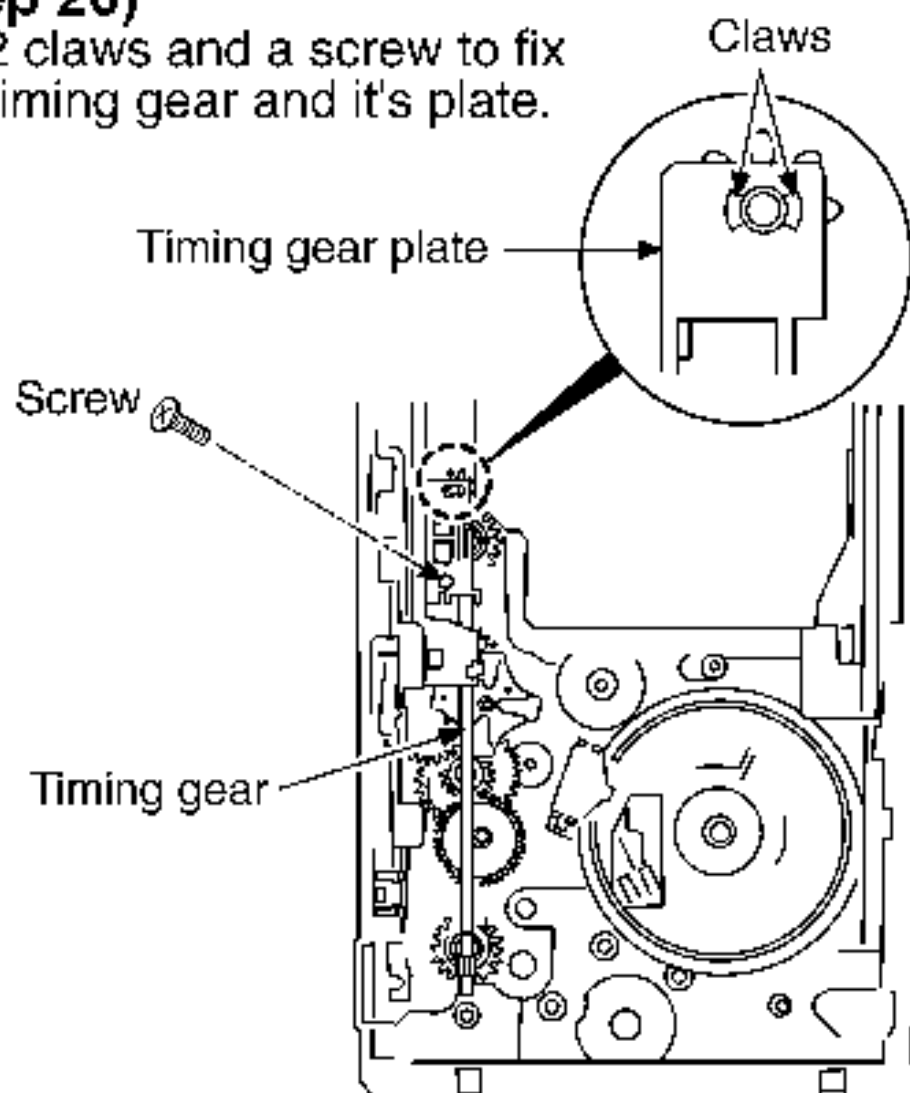
Put on the top of the timing gear, then, install the timing gear and it's plate.

At that time avoid the UD. rack (L).



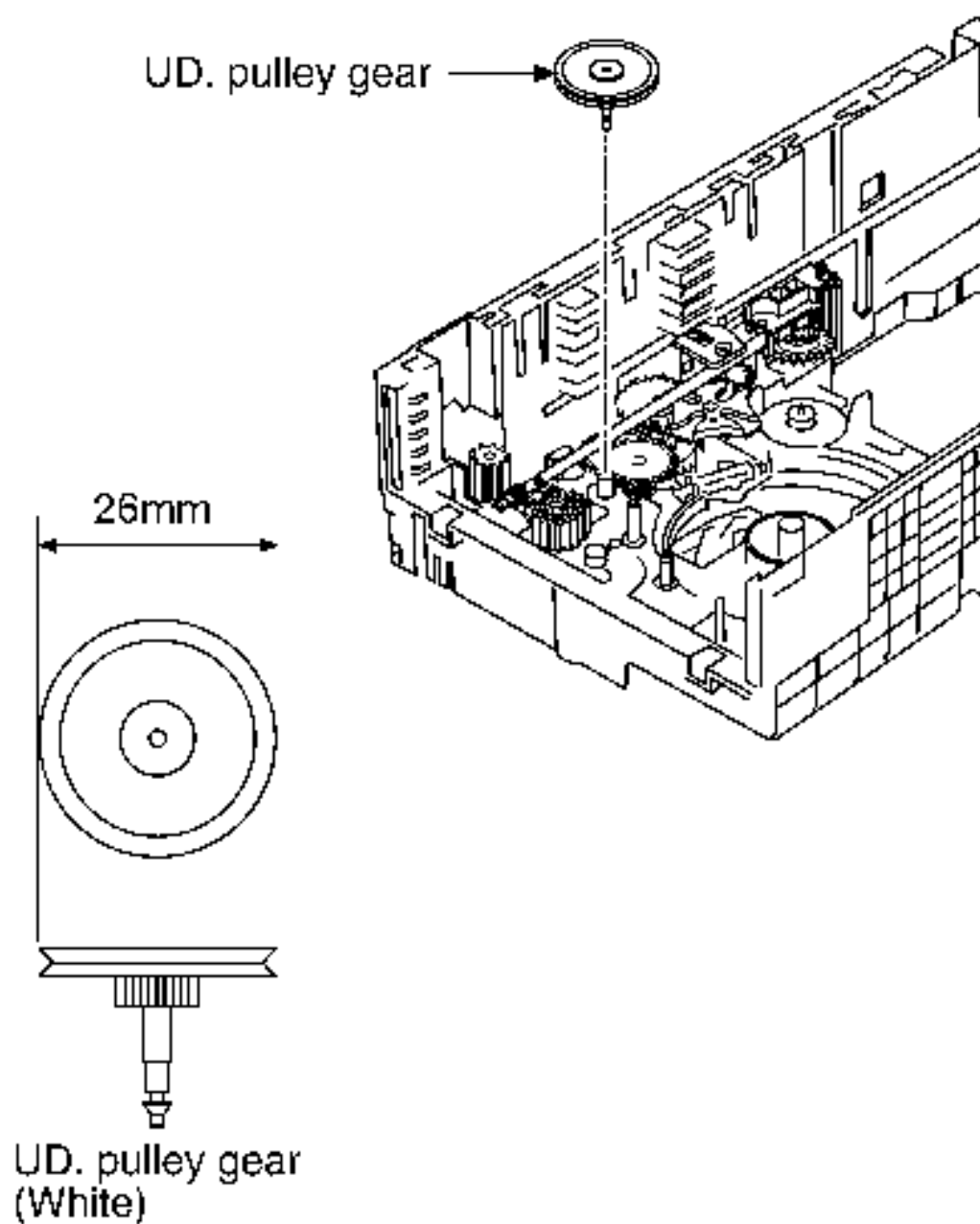
(Step 20)

Fix 2 claws and a screw to fix the timing gear and it's plate.



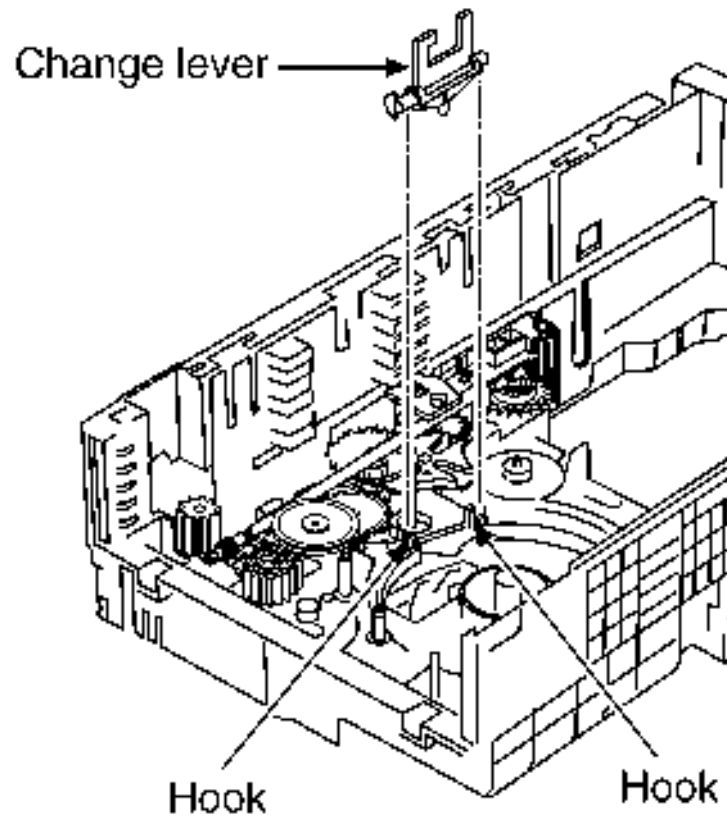
(Step 21)

Install the UD. pulley gear to mechanism base.



(Step 22)

Insert the change lever with it upright.

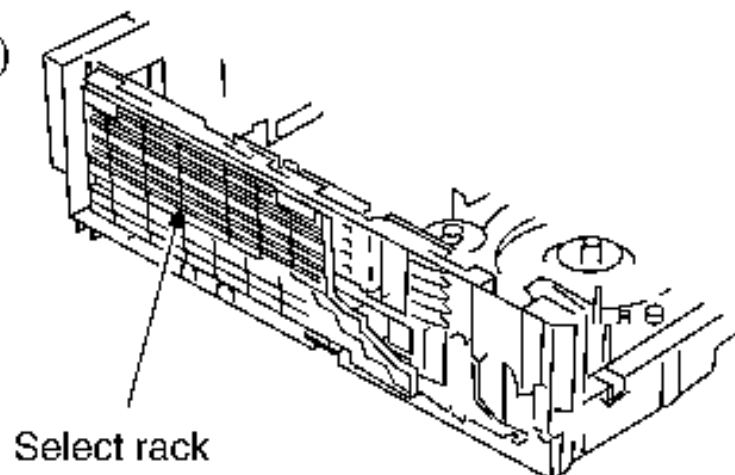


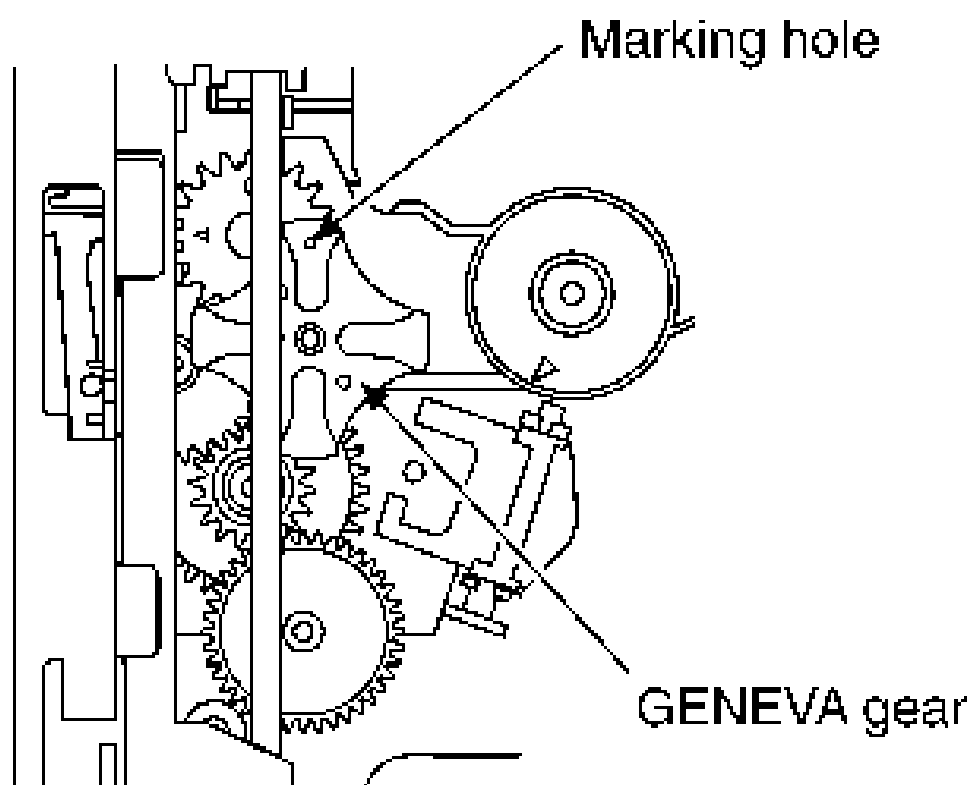
(Step 23)

Be sure the notice of bellow before fixing the change gear.

1. Select track should be in the rear of mechanism base.
2. Its hole of GENEVA gear should turn up.

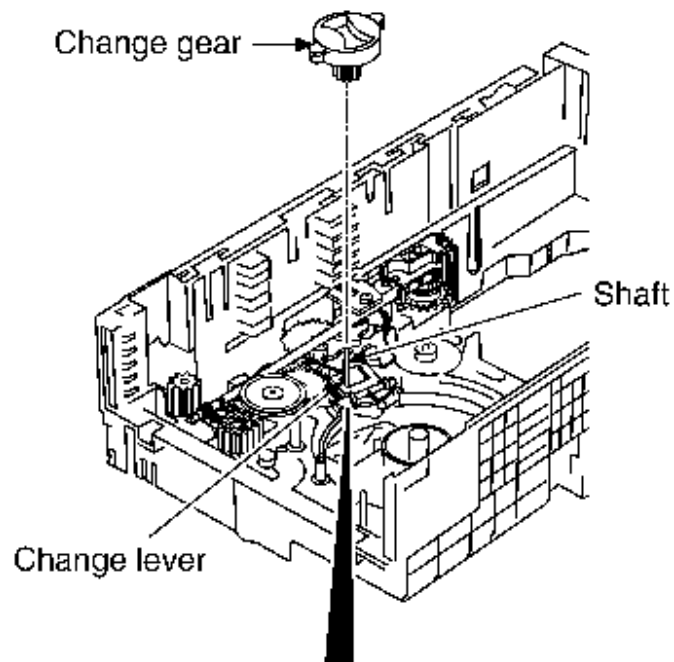
(Rear side)



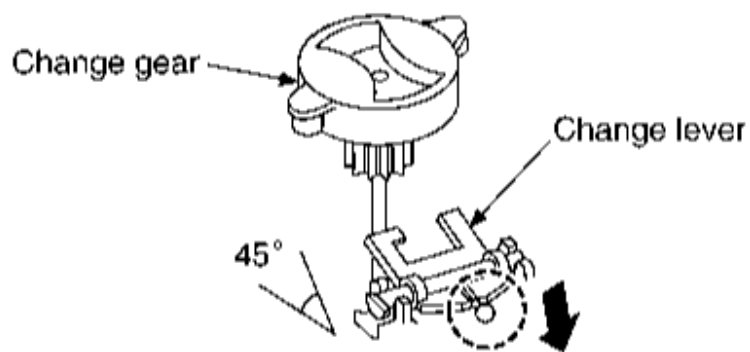


(Step 24)

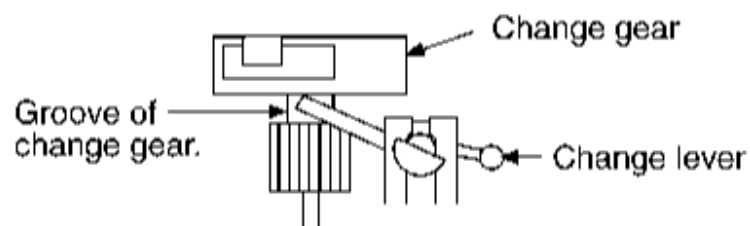
Install the change gear as insert the change lever into the groove of change gear.



1. Pushing the  part and pull up the change lever 45°.



2. Insert the change lever into the groove of change gear.



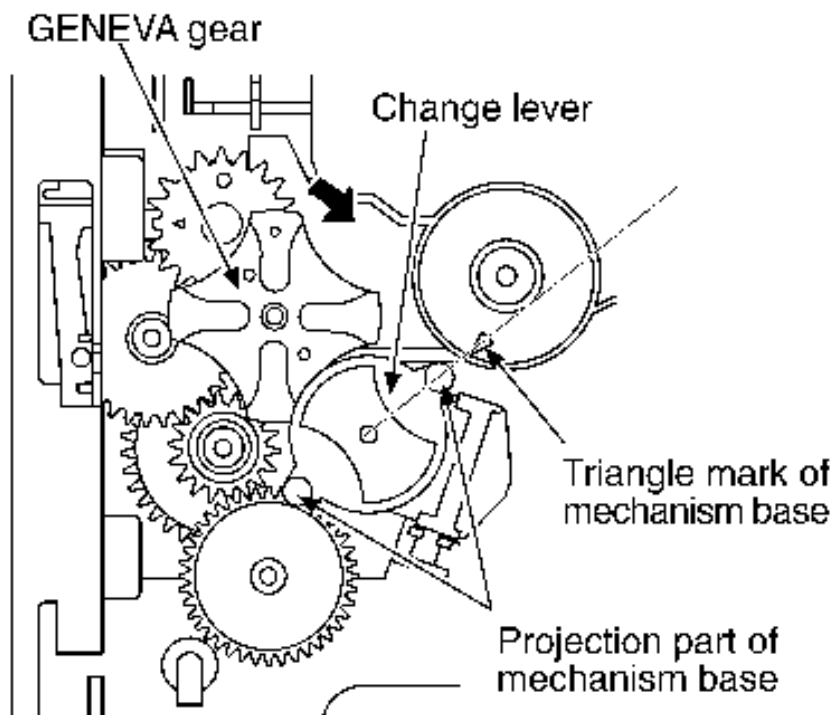
(Step 25)

Put change gear down with projection part of change gear fitted to triangle mark of mechanism base, when fixing change gear.

At that time, check change gear is inserted into the groove of change lever.

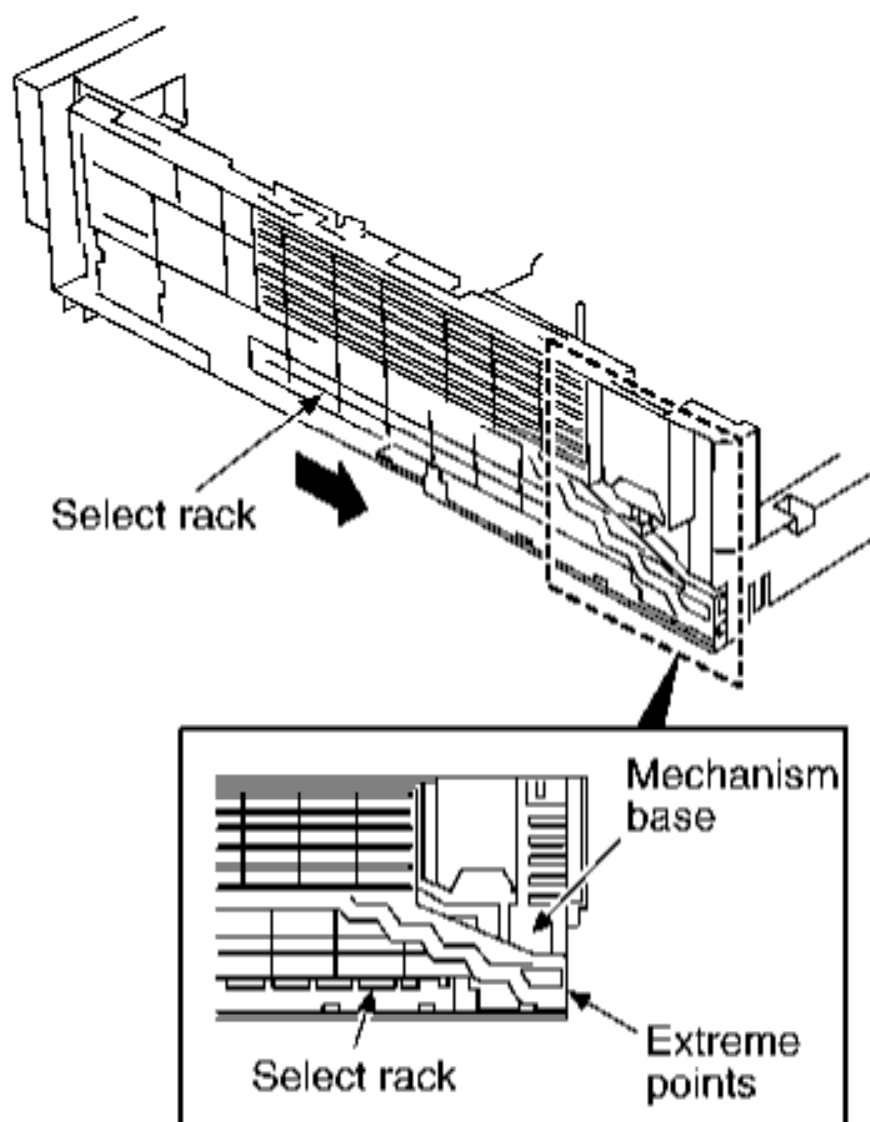
(Step 26)

Lastly, turn GENEVA gear clockwise slightly and drop change gear to mechanism base.



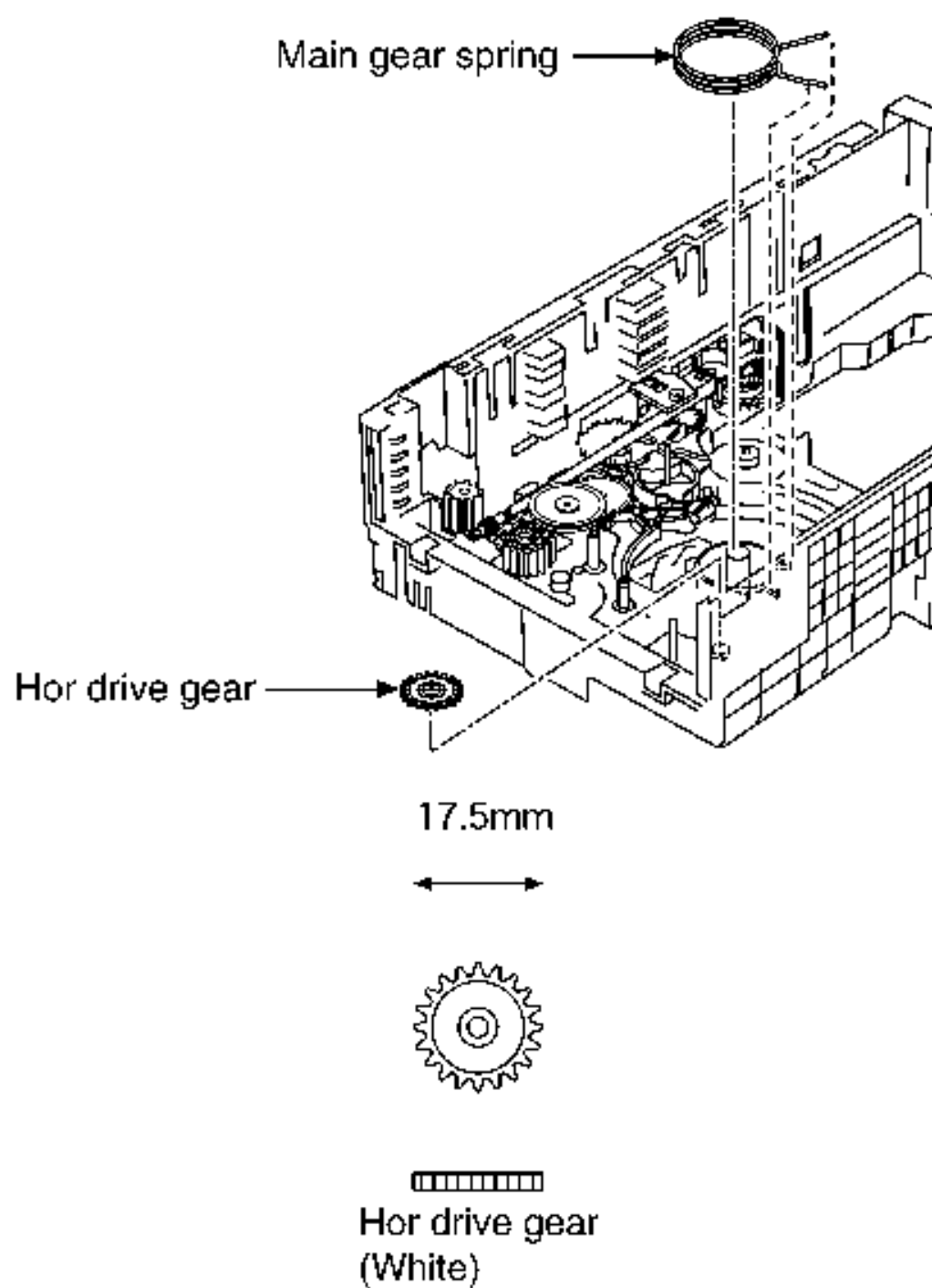
(Step 27)

Move the select rack smoothly forward manually until 2 extreme points of both select track and mechanism base.



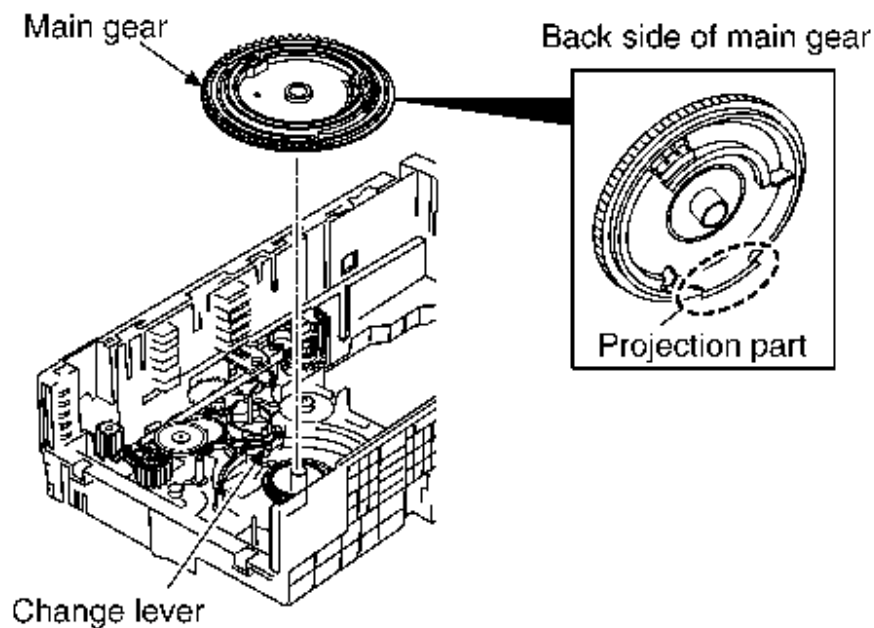
(Step 28)

Install the main gear spring and hor drive gear.



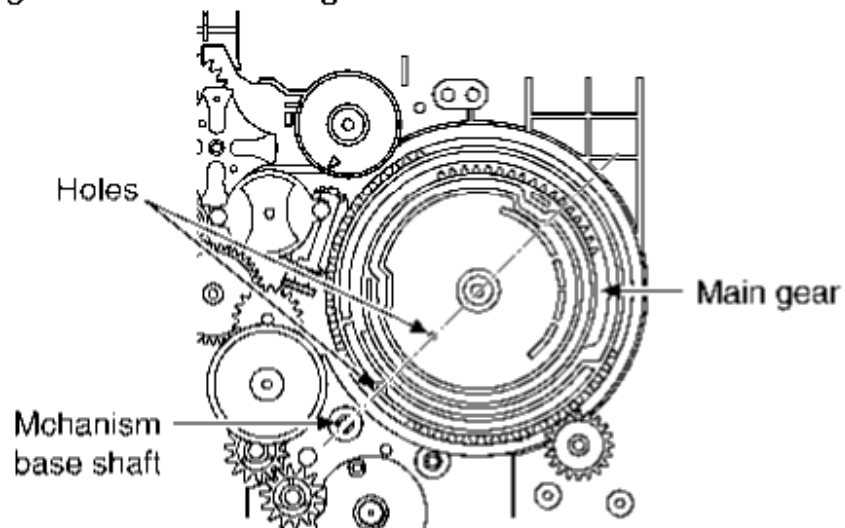
(Step 29)

Don't bring change lever into touch to projection part of main gear, when fixing main gear in mechanism base.



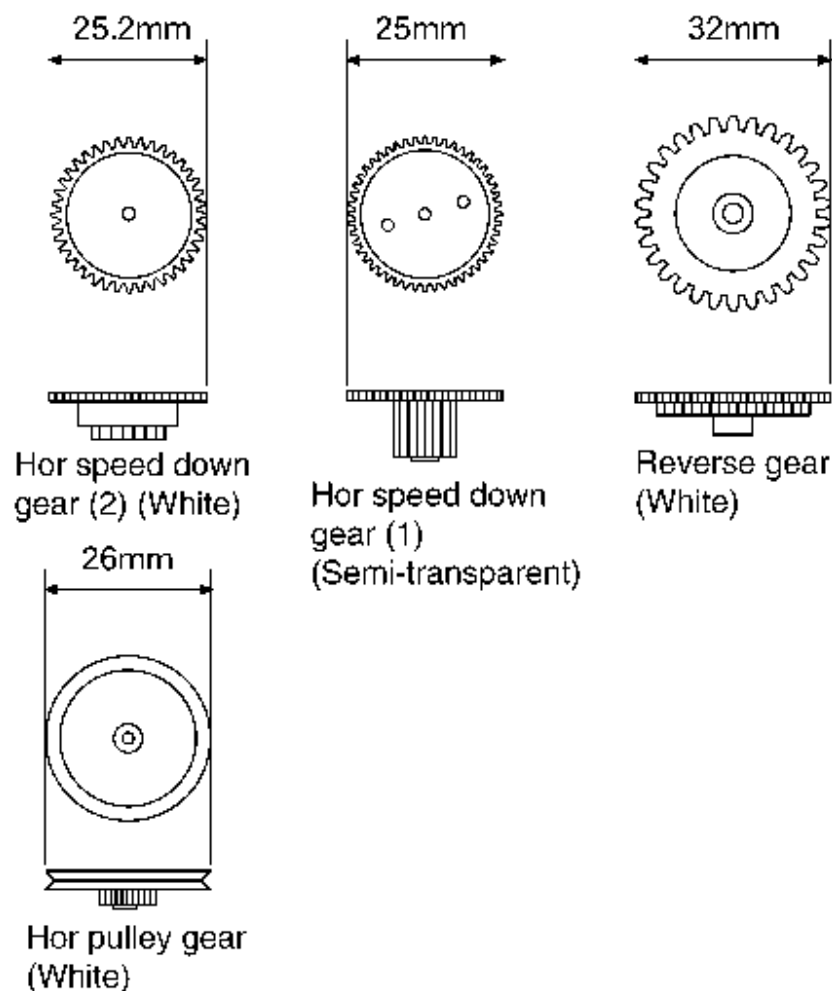
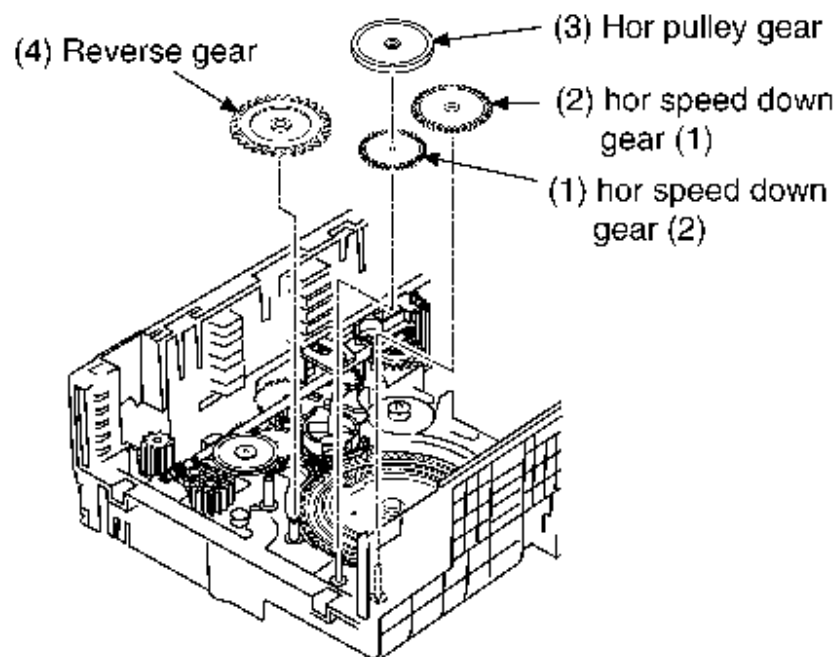
(Step 30)

After that, turn main gear so that 2 holes inside main gear would be in alignment with mechanism base.



(Step 31)

Install the hor speed down gear (2), hor speed down gear (1), hor pulley gear and reverse gear.

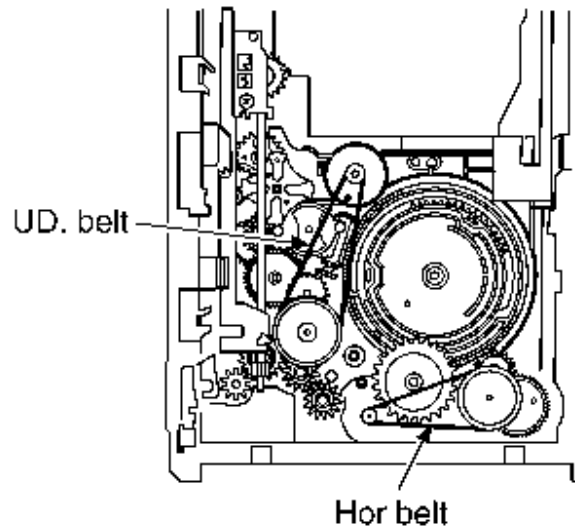


(Step 32)

Install the UD. belt and hor belt.

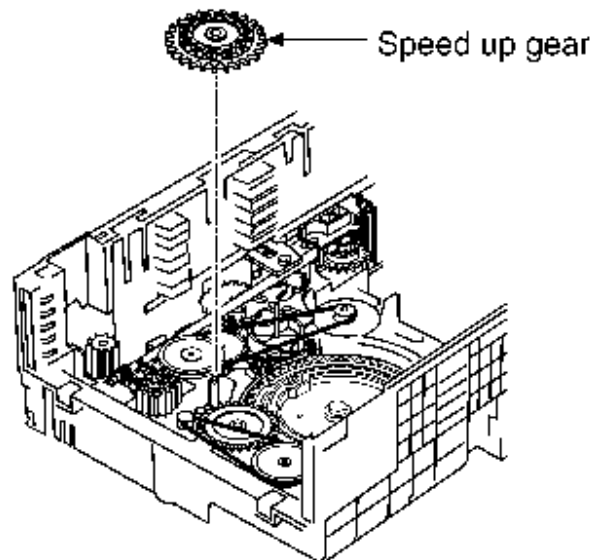
NOTE:

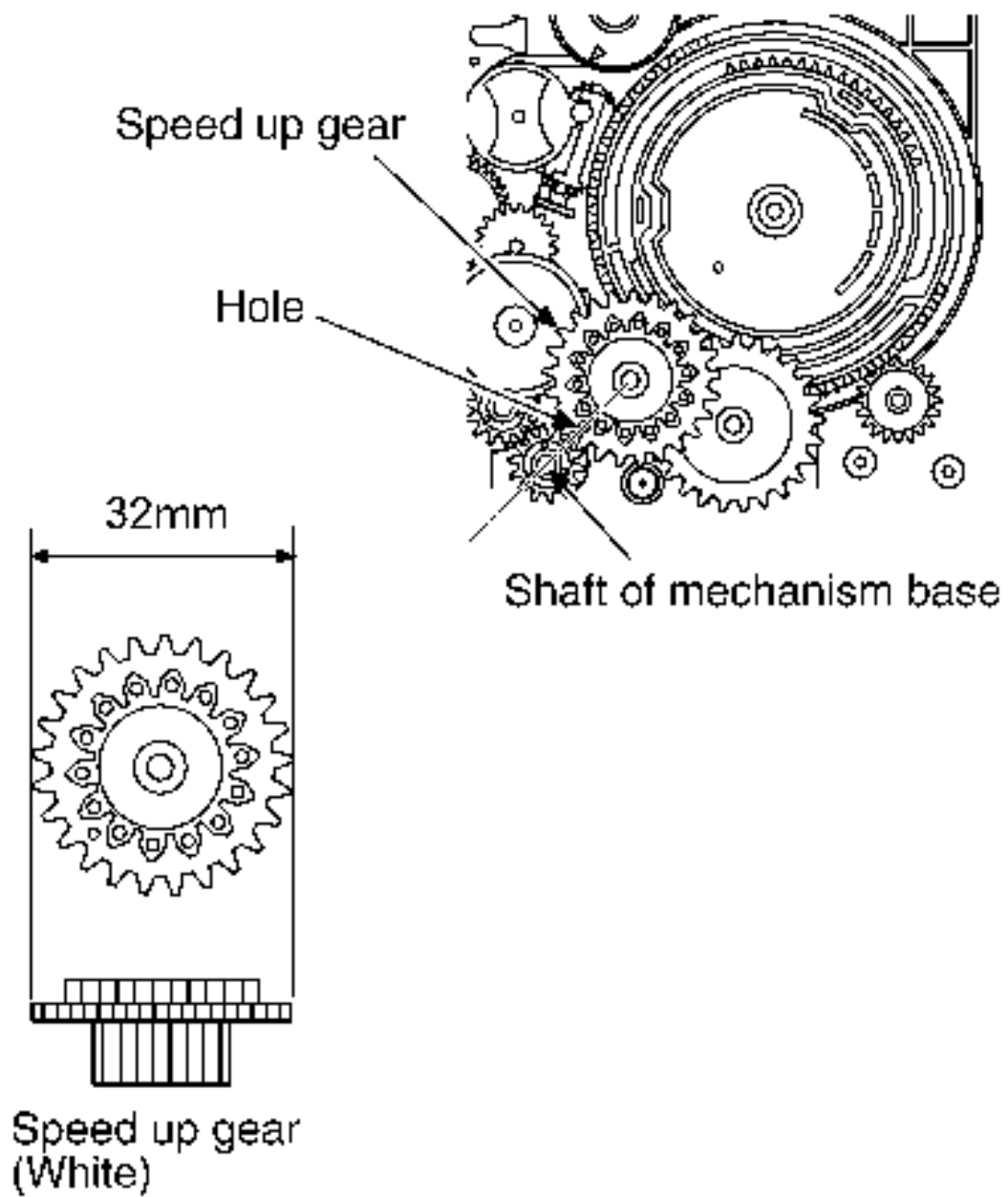
1. Take care not apply the grease to the belt.
2. Install the belt without twist.



(Step 33)

Install speed up gear to its shaft of mechanism base with 2 fitting.



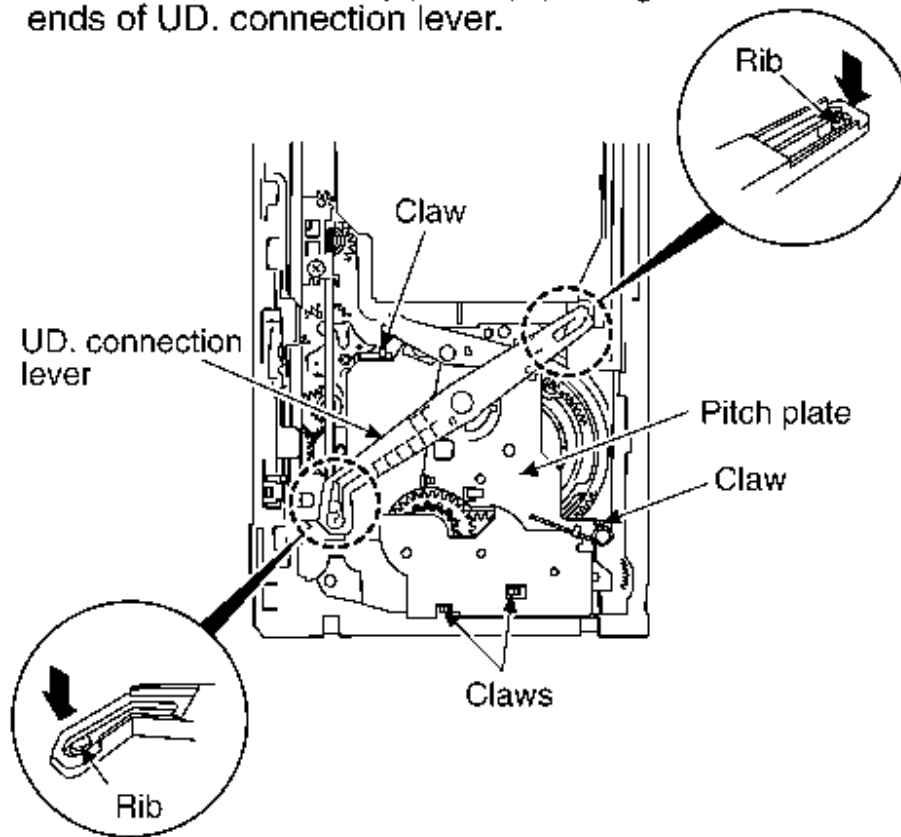


(Step 34)

Install the pitch plate. (The 4 claws should be latched.)

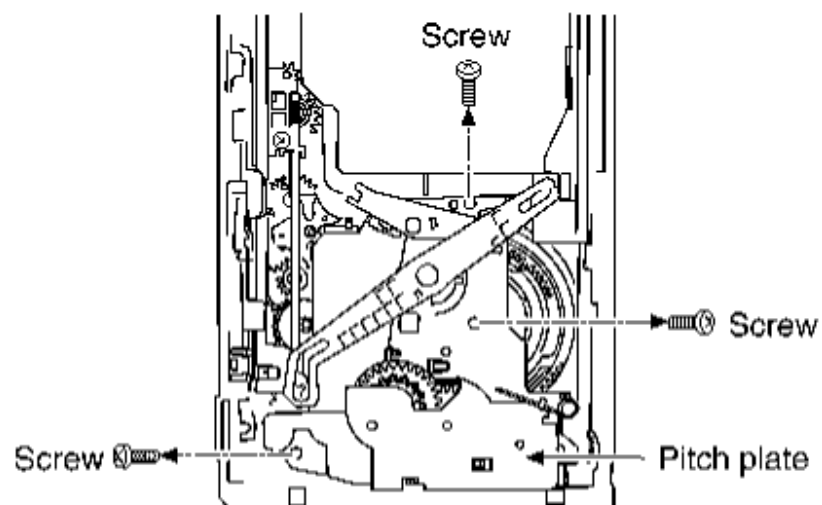
(Step 35)

Fix 2 ribs of UD. rack (L) and (R) into groove of both ends of UD. connection lever.



(Step 36)

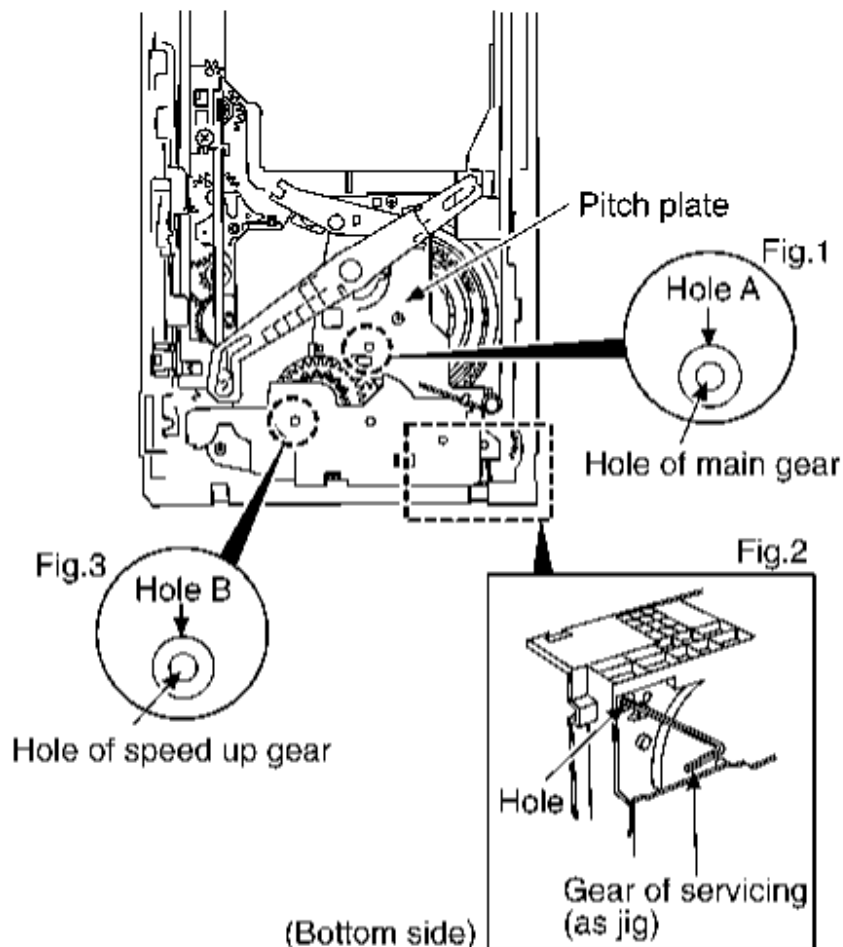
Fixed it by three screws further.



(Step 37)

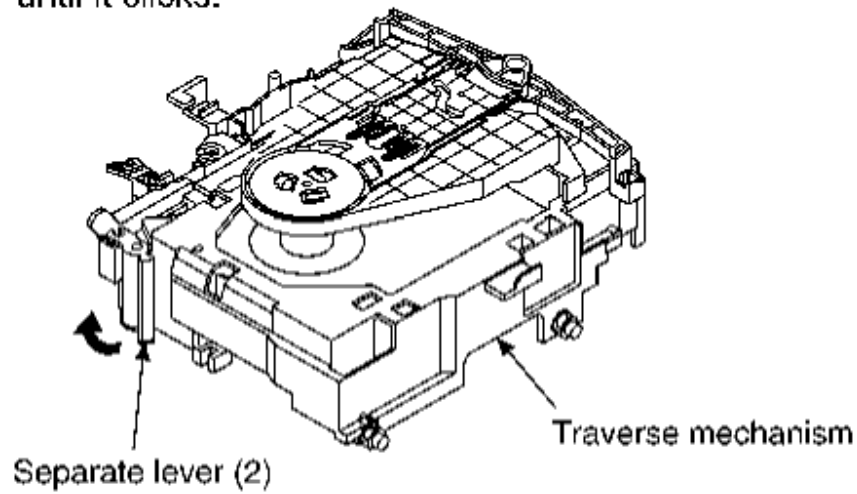
Be sure the notice of below before fixing the traverse mechanism.

1. Check that 2 holes of both pitch plate and main gear is fitted. (Refer to Fig.1)
If it's not fitted, put the gear for servicing in the hole of the bottom side and adjust it. (Refer to Fig.2)
2. Check that 2 holed of both pitch plate and speed up gear is fitted. (Refer Fig.3)
If it's not fitted turn the speed up gear to adjust it.



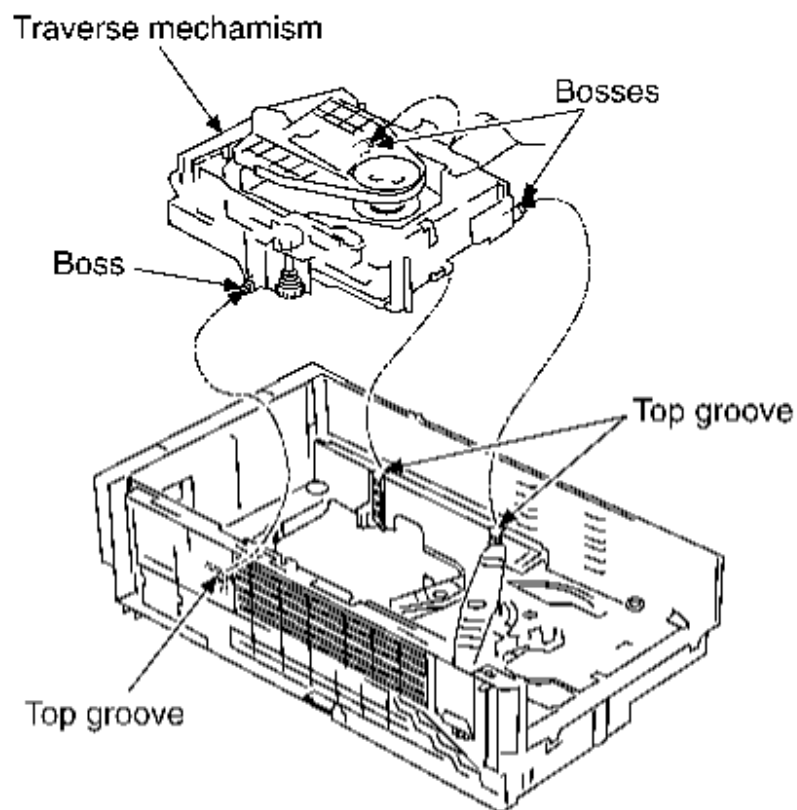
(Step 38)

Turn the separate lever (2) slowly toward left side until it clicks.



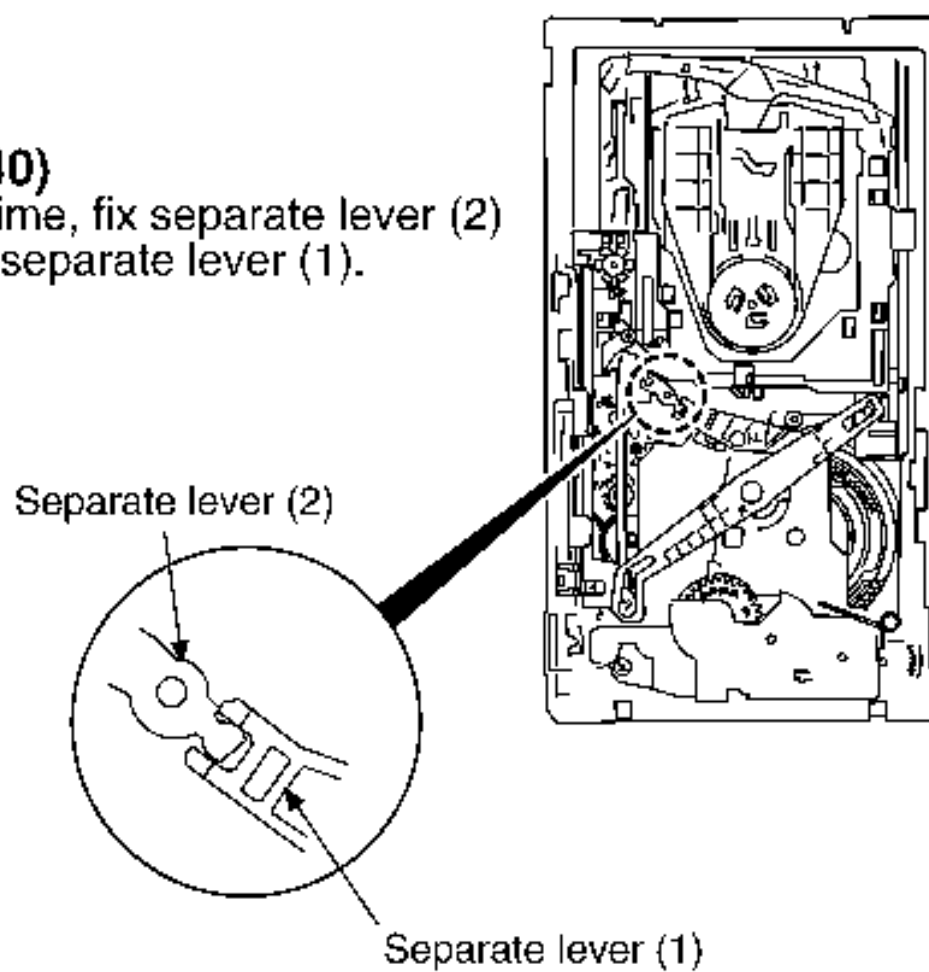
(Step 39)

Fix the left boss into the top groove of the UD. rack (L) and fix 2 bosses into the groove of the UD. rack (R).



(Step 40)

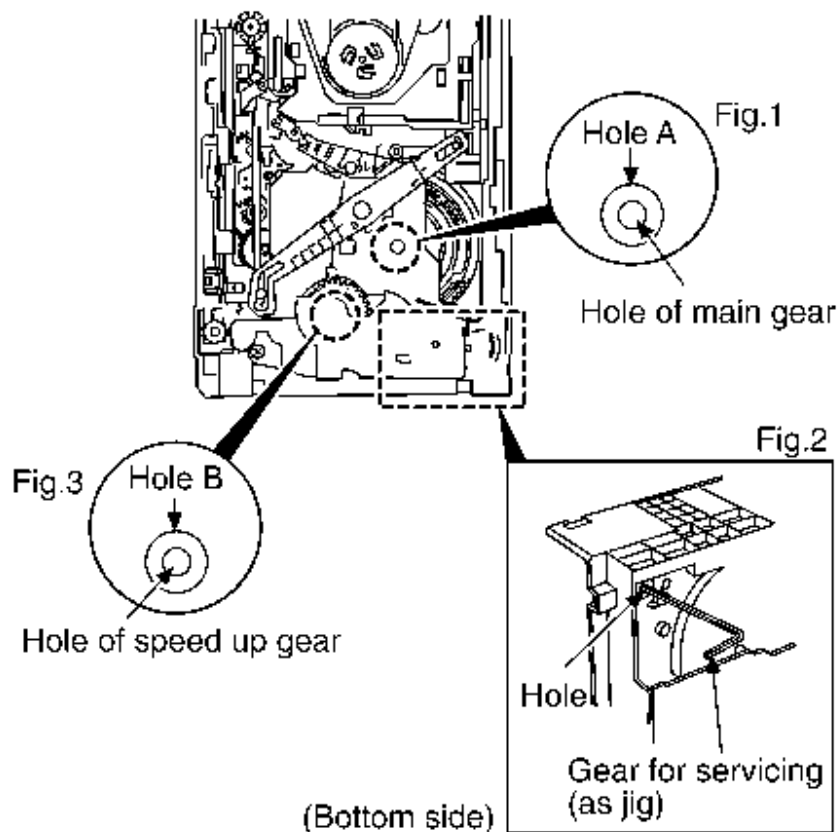
At that time, fix separate lever (2)
into the separate lever (1).



(Step 41)

After the traverse mechanism fixed,
confirm the phase in order below.

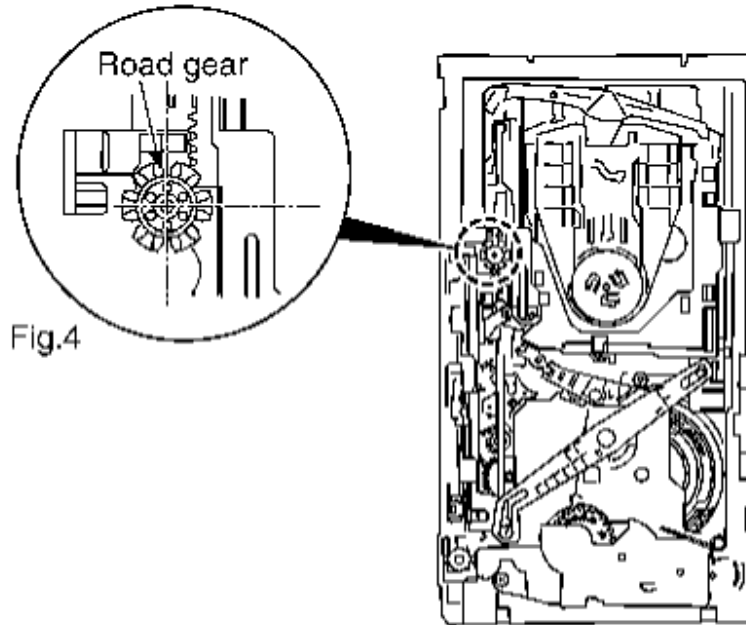
1. Check that 2 holes of both pitch plate and main gear is fitted. (Refer to Fig.1)
If it's not fitted, put the gear for servicing in the hole of the bottom side and adjust it. (Refer to Fig.2)
2. Check that 2 holes of both pitch plate and speed up gear is fitted. (Refer Fig.3)
If it's not fitted turn the speed up gear to adjust it.



3. In the cog of road gear, the groove with it's cutting halfway set side ward. (Refer to Fig.4)

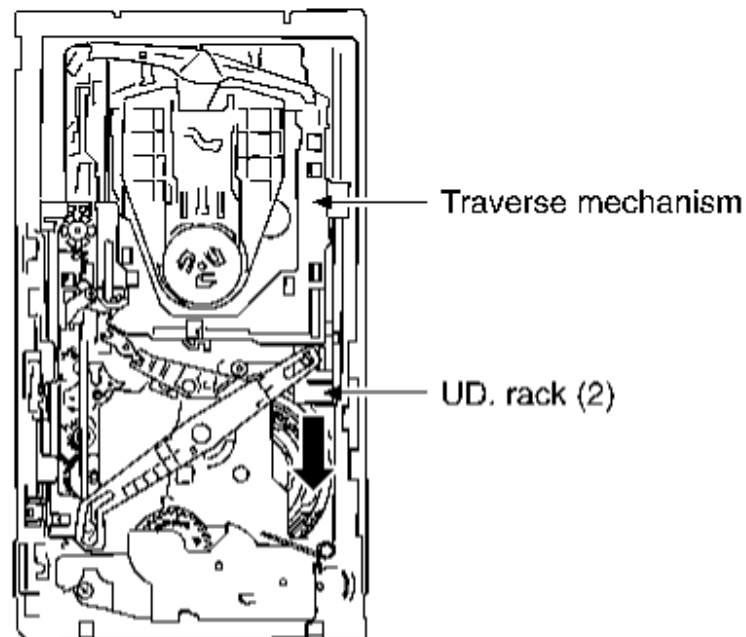
Remove the traverse mechanism again when it is not set side ward and install it after adjustment of inserting position.

NOTE: By this time, do not adjust to rotate the road gear.



(Step 42)

After insertion of traverse mechanism, pull the UD. rack (R) on this side that each phase is "OK" and then lock the traverse mechanism.



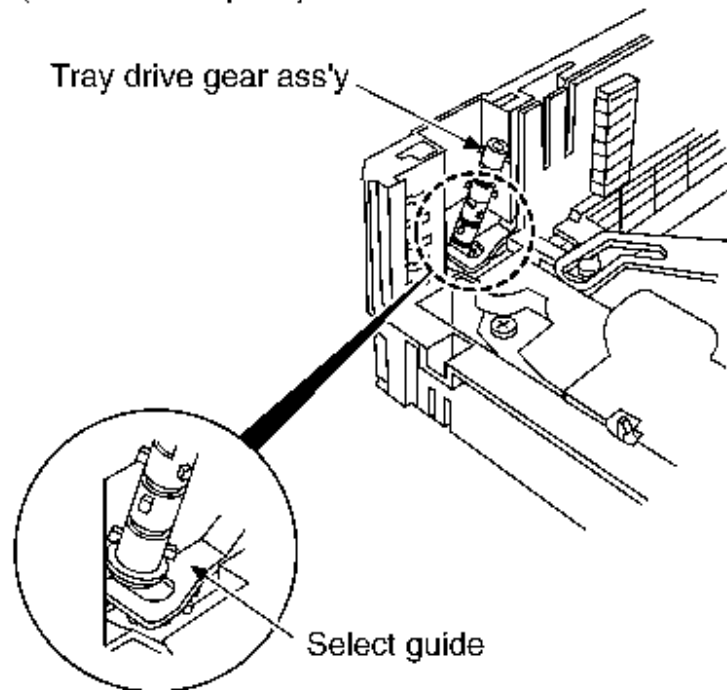
(Step 43)

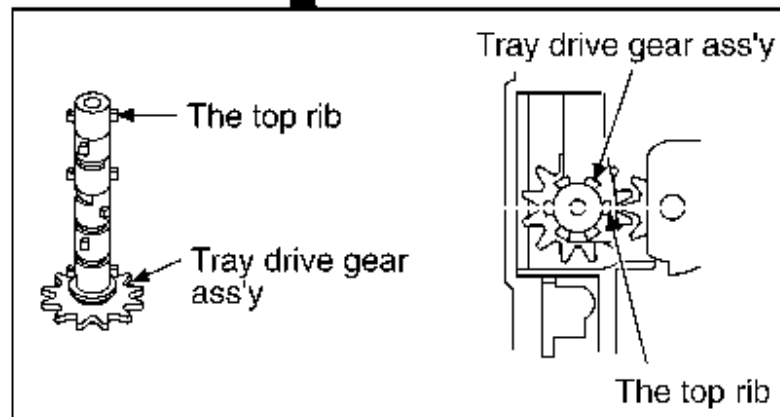
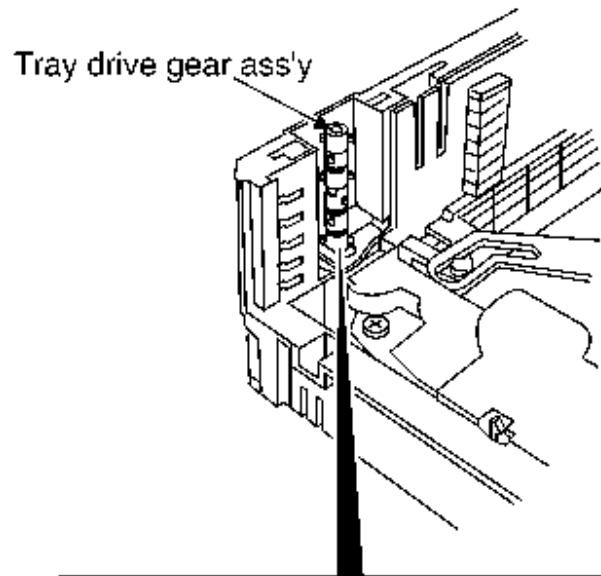
Install the tray drive gear to select guide.

(Install the top rib of the tray drive gear with side ward.)

NOTE:

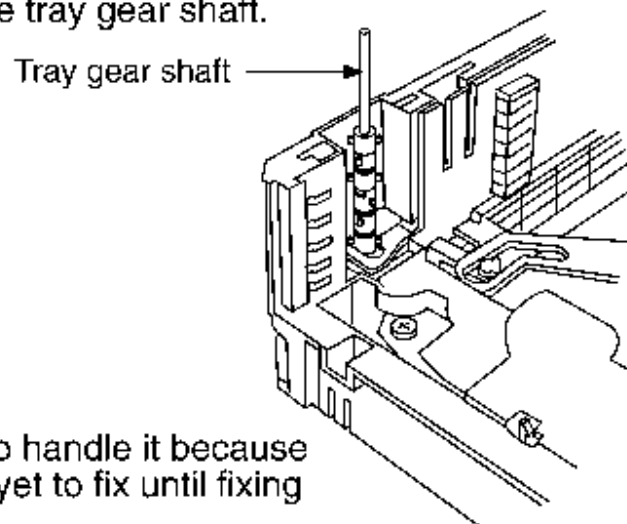
Confirm the each phase surely before install the tray drive gear. (Refer to Step 41).





(Step 44)

Insert the tray gear shaft.

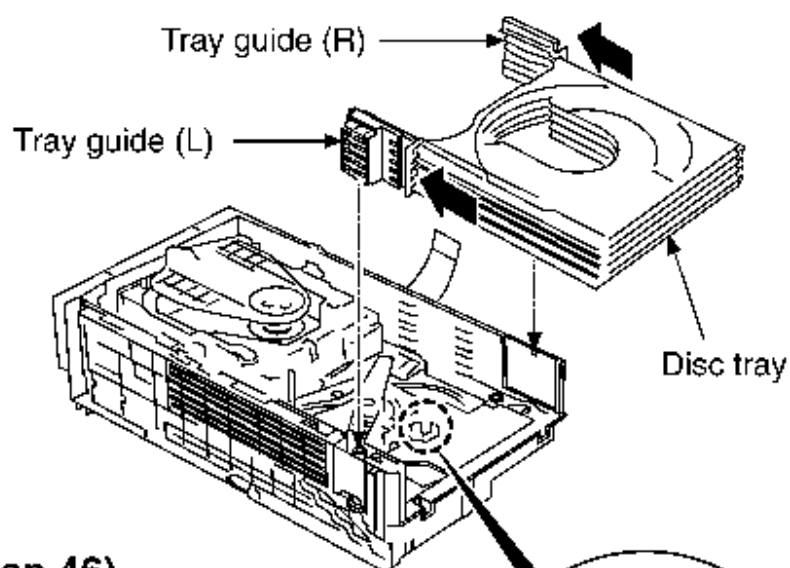


NOTE:

Be careful to handle it because the shaft is yet to fix until fixing top cover.

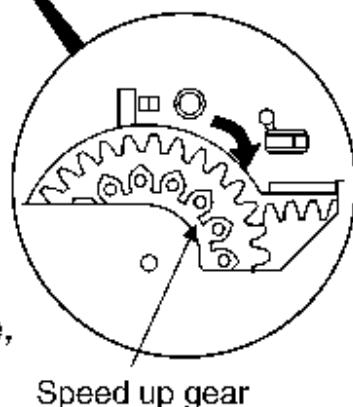
(Step 45)

Move the tray guide (R) and (L) to direction of arrow that fixed (stopped) it and install 5 pieces of disc tray.

**(Step 46)**

Confirm that when the disc tray insert the upper side, the speed up gear is rotate clockwise a little.

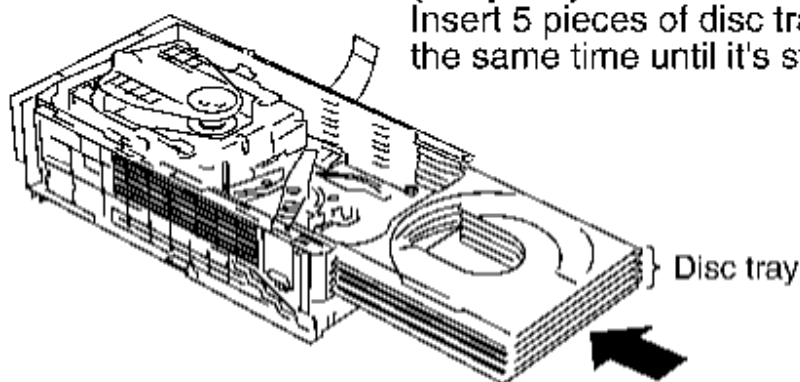
- When the rotation of speed up gear is not clockwise or rotate, repeat from Step 45.
- Until the speed up gear rotate, repeat from Step 45 and 46.

**NOTE:**

While keeping all position, install 5 pieces of disc tray.

(Step 47)

Insert 5 pieces of disc tray at the same time until it's stop.



(Step 48)

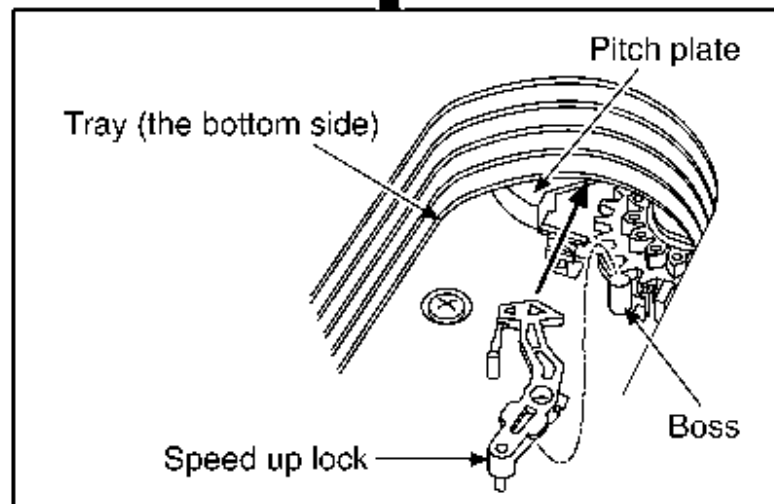
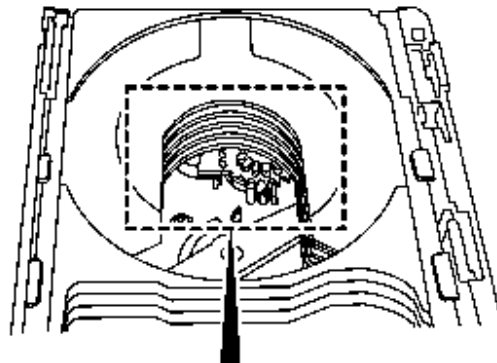
Turn the traverse side 180°.

(Step 49)

While install the tip of speed up lock between tray (No.1) of the most lower side and pitch plate for the time being.
(Do not to insert the cog of speed up gear), insert it to boss.

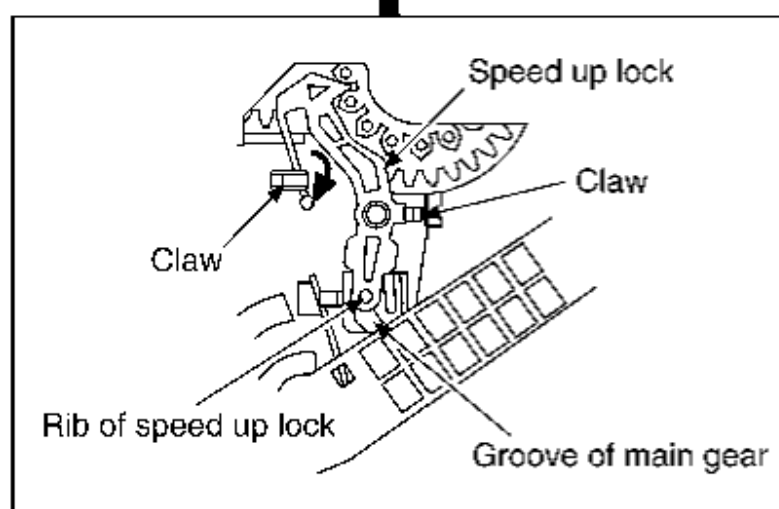
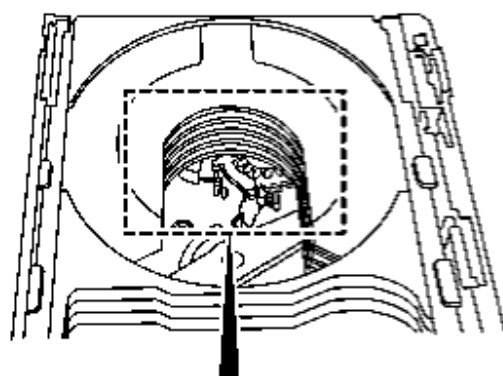
NOTE:

At that time, do not move the tray.
(See the tray the most front side)



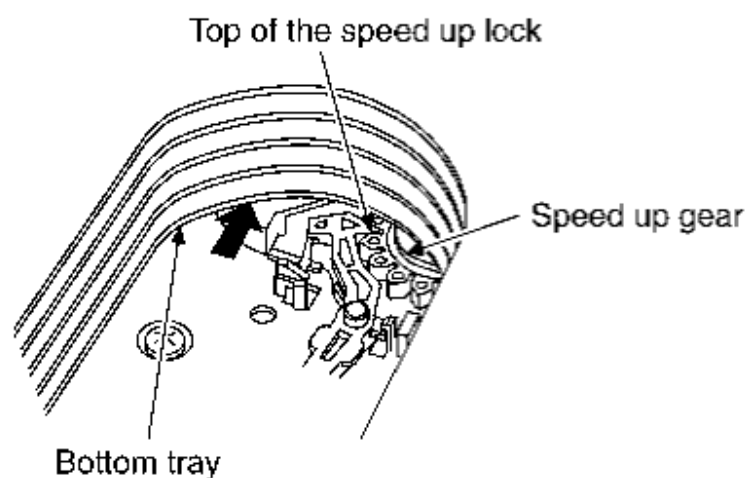
(Step 50)

Insert the rib of speed up lock into a groove of main gear, and lock it with 2 claws.



(Step 51)

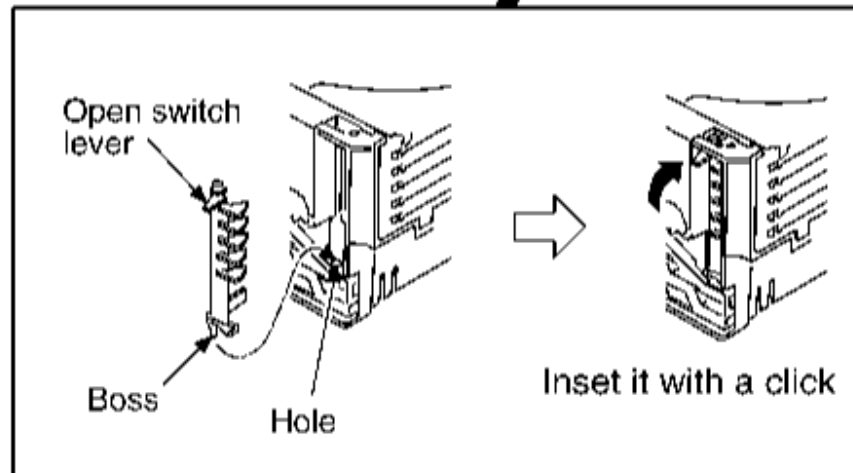
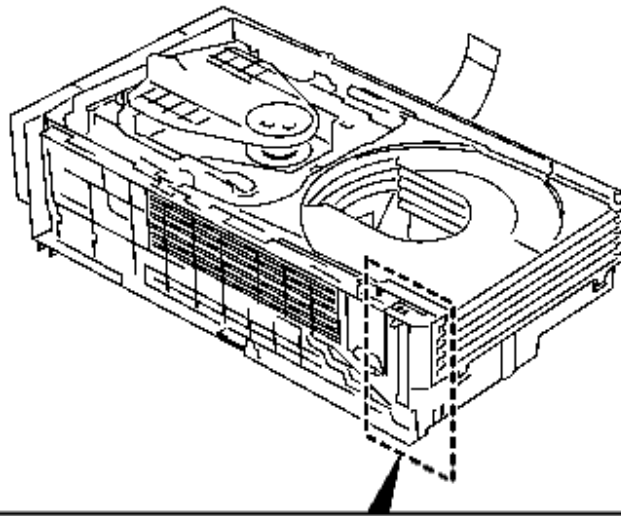
Move the bottom tray to the arrow while pushing the top of the speed up gear. And insert it to a cog of the speed up gear.



(Step 52)

Install the open switch lever.

(Put the boss into the hole of the mechanism base.)



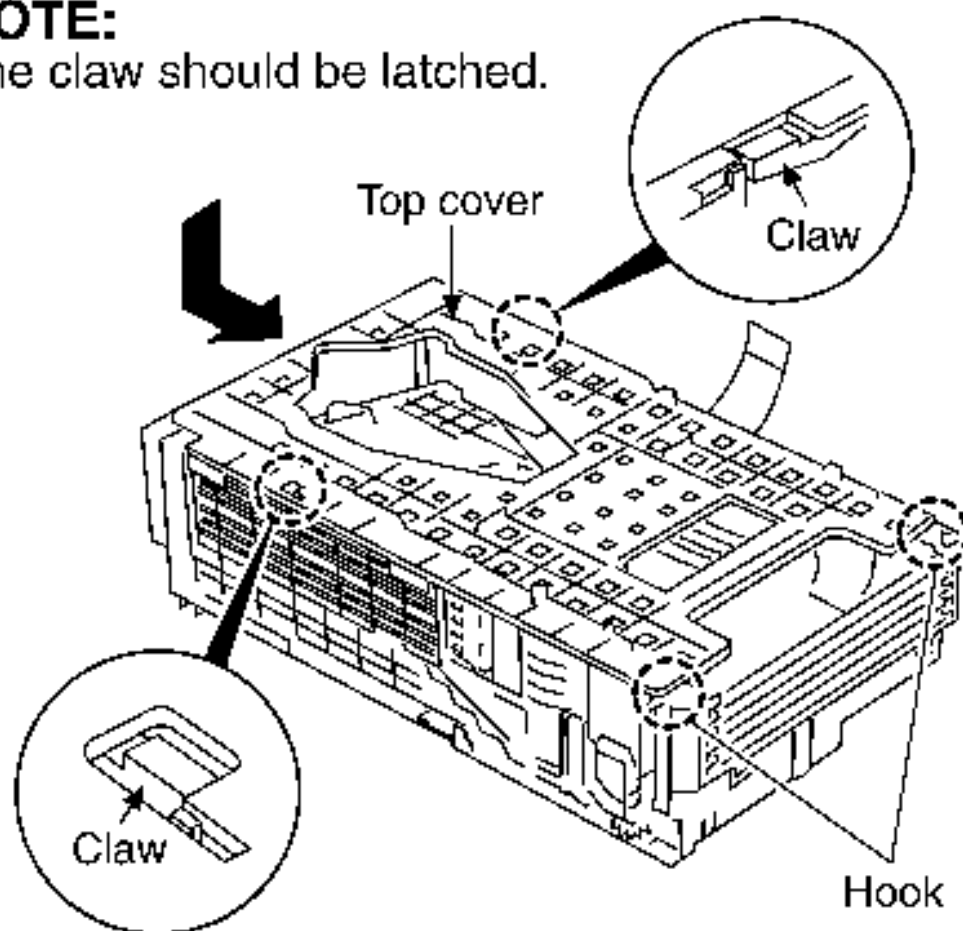
(Step 53)

Install the top cover.

Fix it into hooks and slide direction to the arrow.

NOTE:

The claw should be latched.



17.11 Disassembly for Traverse Unit

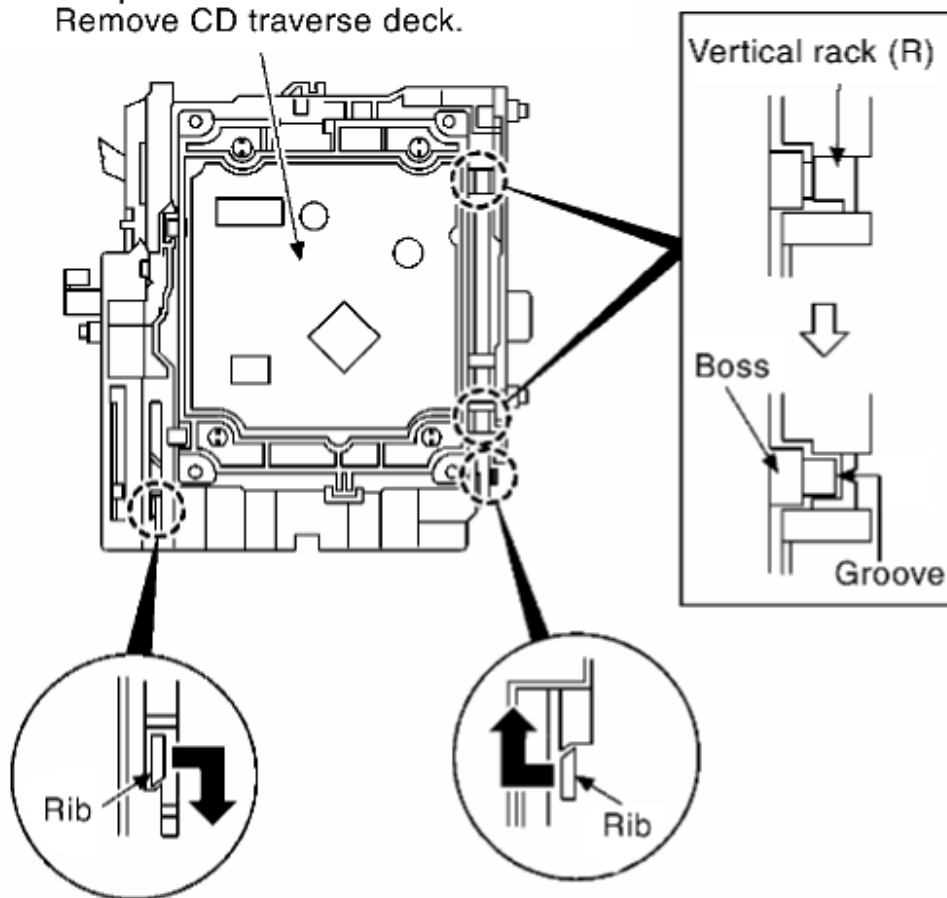
- Follow the (Step 1) - (Step 10) of item 17.9
- Follow the (Step 1) - (Step 3) of item 17.10

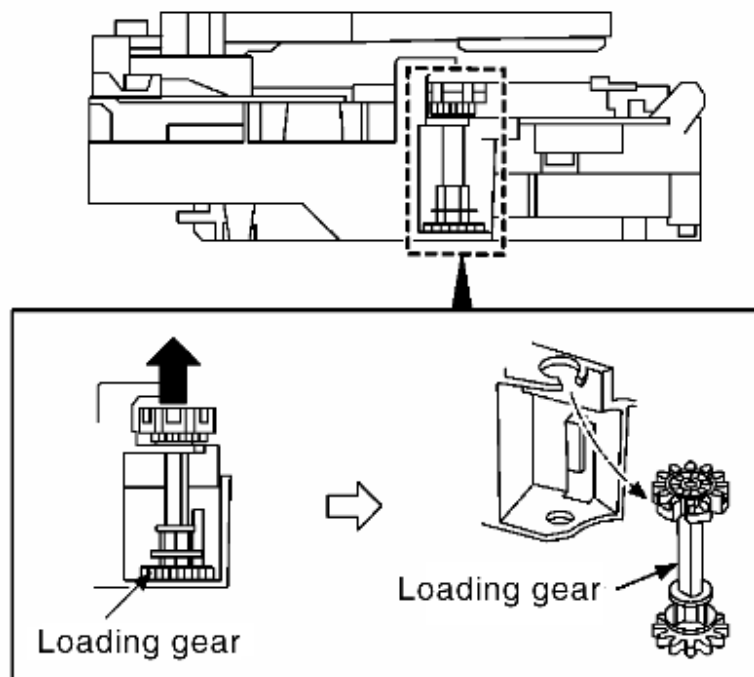
Step 1

Shift ribs of both side to the arrow direction.
(A vertical rack (R) slides and groove opens)

Step 2

Remove CD traverse deck.





Step 3

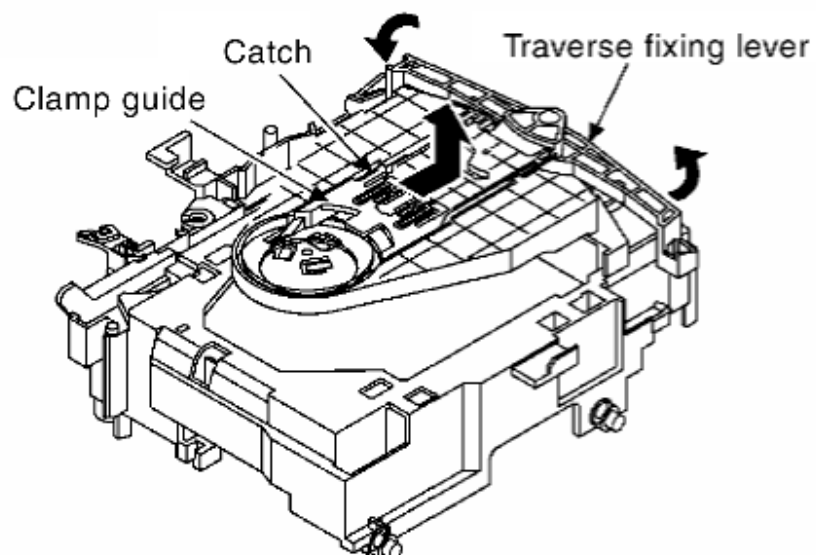
Lift a loading gear slightly and pull out.

Step 4

Fixing lever to the arrow direction, rotate a traverse.

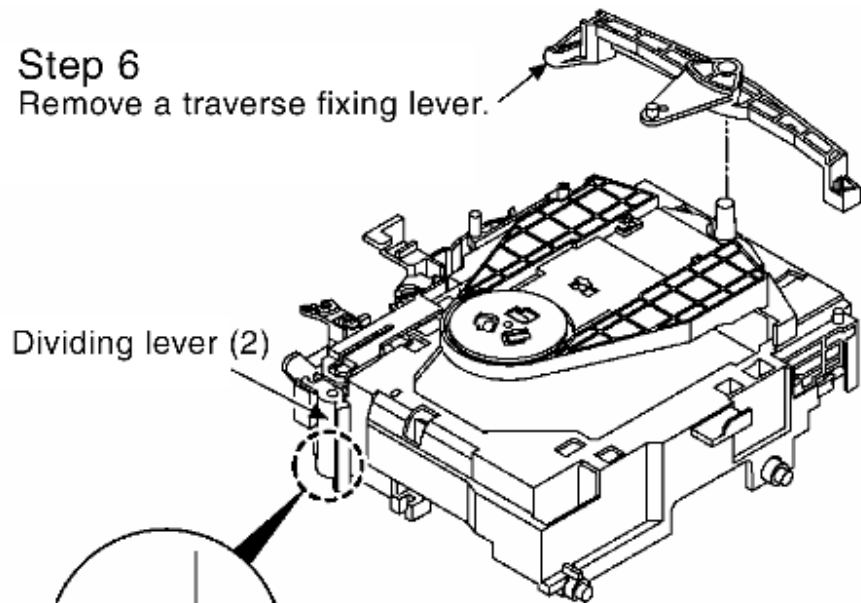
Step 5

Remove catch and take out a clamp guide.

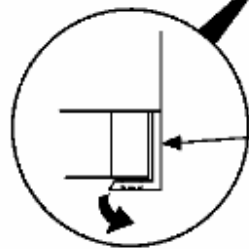


Step 6

Remove a traverse fixing lever.



Dividing lever (2)

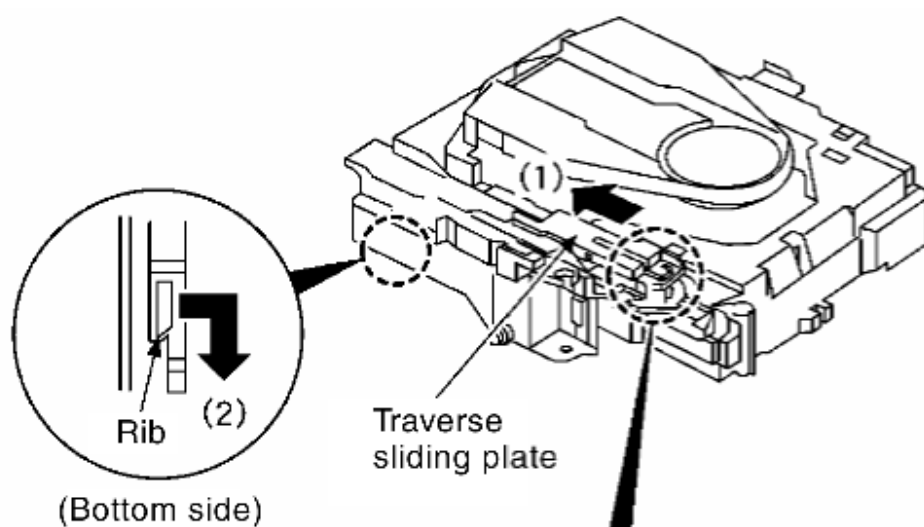


Step 7

Remove the bottom part of the dividing lever to the arrow direction.

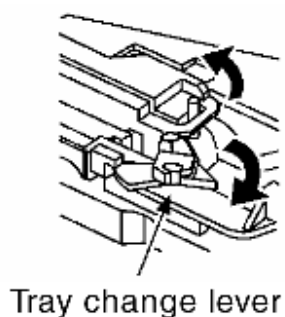
Step 8

Slide a traverse sliding plate to the arrow direction (1), and shift a rib to the arrow direction (2).



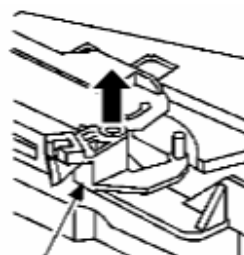
Step 9

Shifting a traverse sliding plate slightly and rotate a tray change lever.



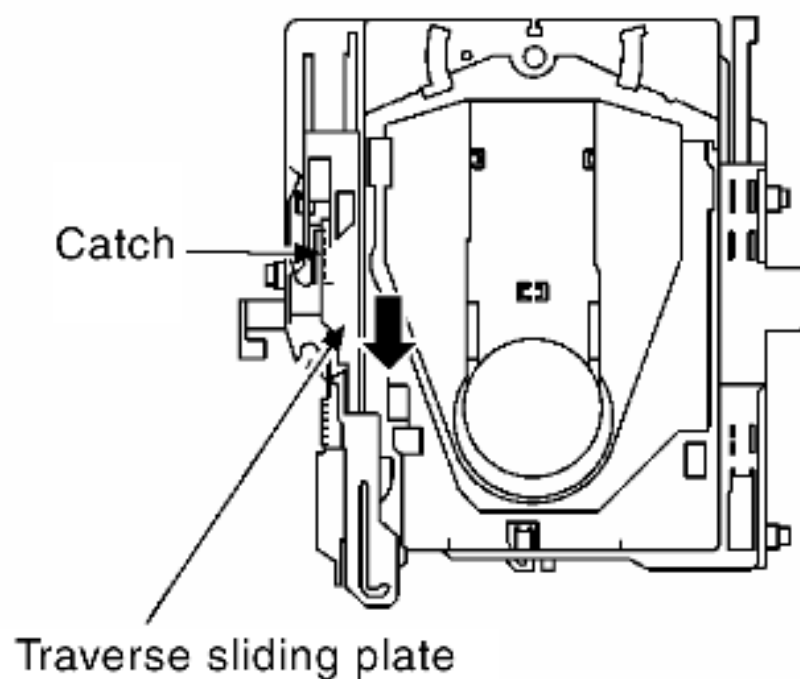
Step 10

Remove a tray change lever.



Step 11

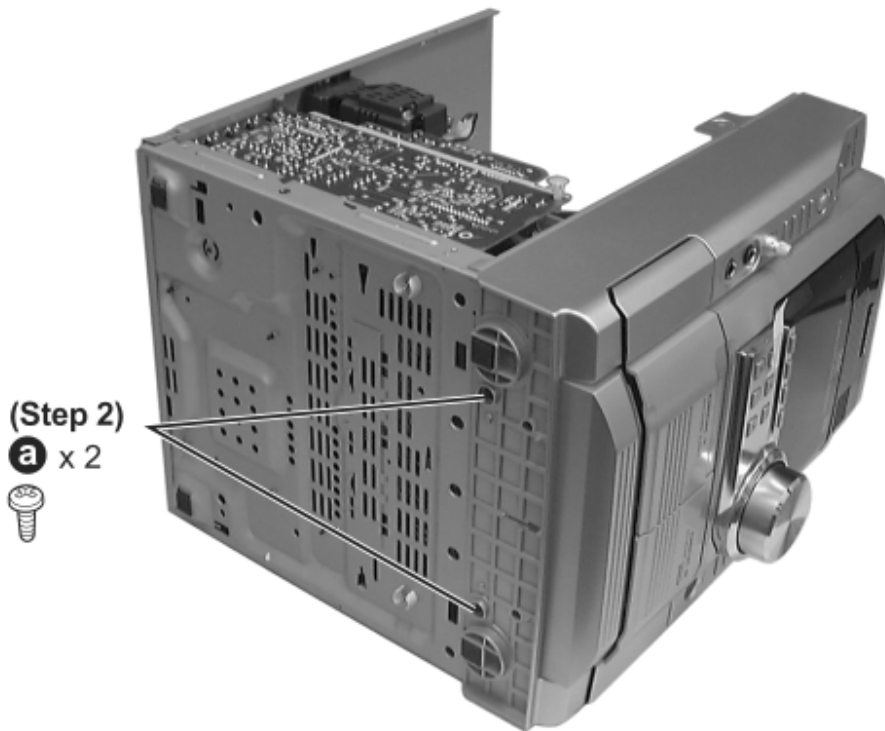
Holding the catch down, slide a traverse sliding plate to the arrow direction and remove it.



17.12 Disassembly of Deck Mechanism Unit

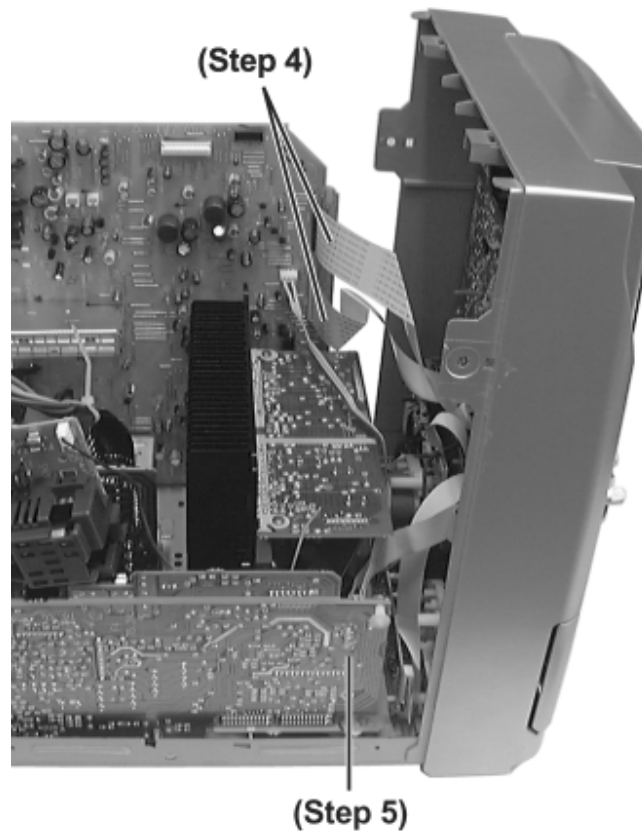
- Follow the (Step 1) - (Step 2) of Item 17.2.
- Follow the Disassembly for the CD changer unit of Item 17.2.1.

Step 1 Lay unit as show below.



Step 2 Remove 2 screws.

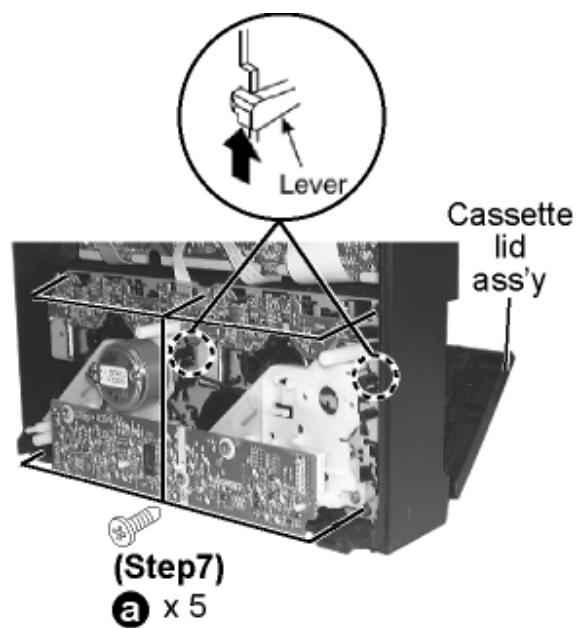
Step 3 Remove the 2 claws, and then draw the front panel ass'y.



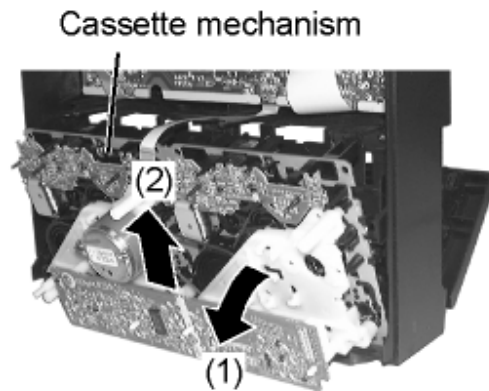
Step 4 Detach FFC Board (CN2811 & CN2815).

Step 5 Detach flat cable wire (CN5806).

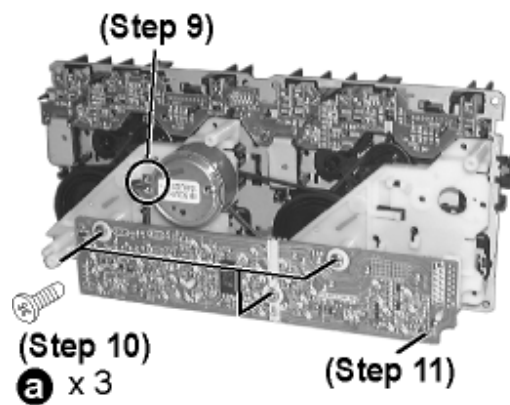
Step 6 Push the lever upward, and then open the cassette lid ass'y (For DECK1 and DECK2).



Step 7 Remove the 5 screw.



Step 8 Tilt the cassette mechanism in the direction of arrow (1), and then remove it in the direction of arrow (2).



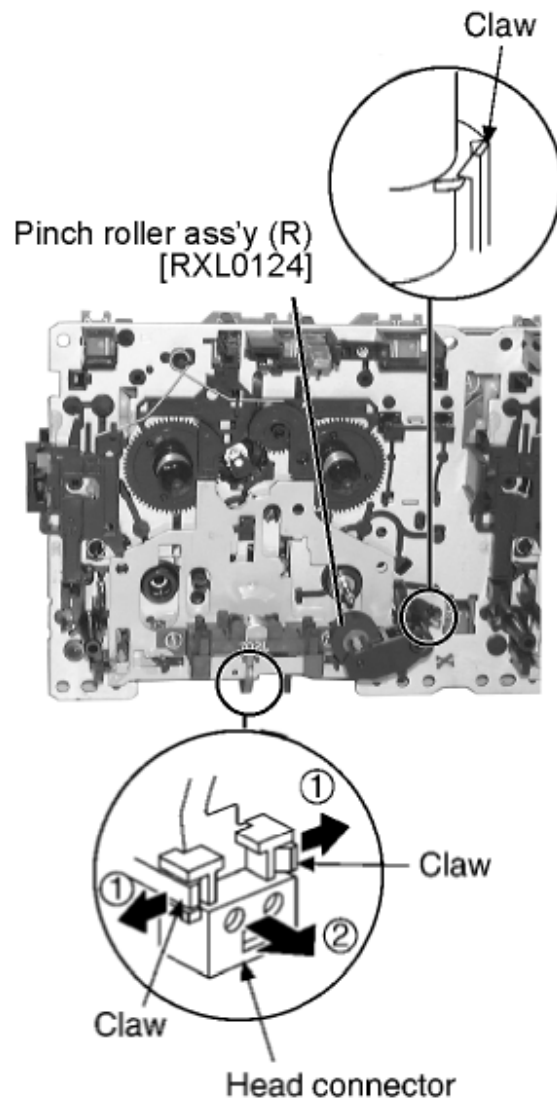
- Disassembly of Deck P.C.B.

Step 9 Unsolder the motor terminals.

Step 10 Remove 4 screws.

Step 11 Remove Deck P.C.B.

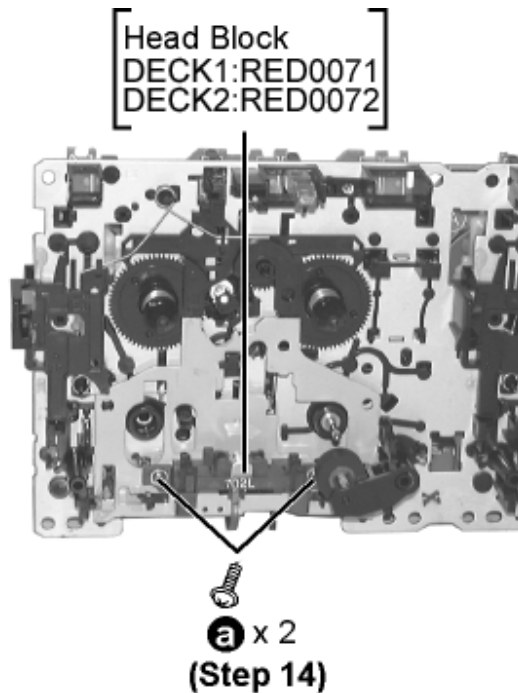
* The mechanism as shown below is for DECK1. For the one of DECK 2, perform the same procedures.



- Disassembly of pinch roller ass'y & head block

Step 12 Release the 2 claws, and then remove the pinch roller (R), (F).

Step 13 Release the 2 claws, and then remove the head connector.



Step 14 Remove 2 screws.

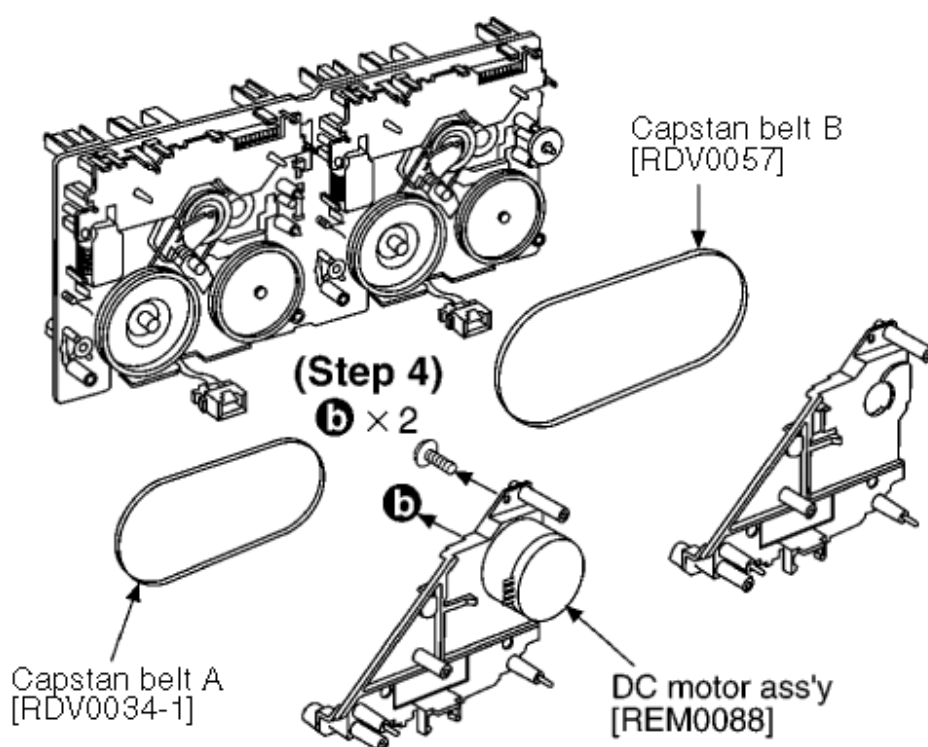
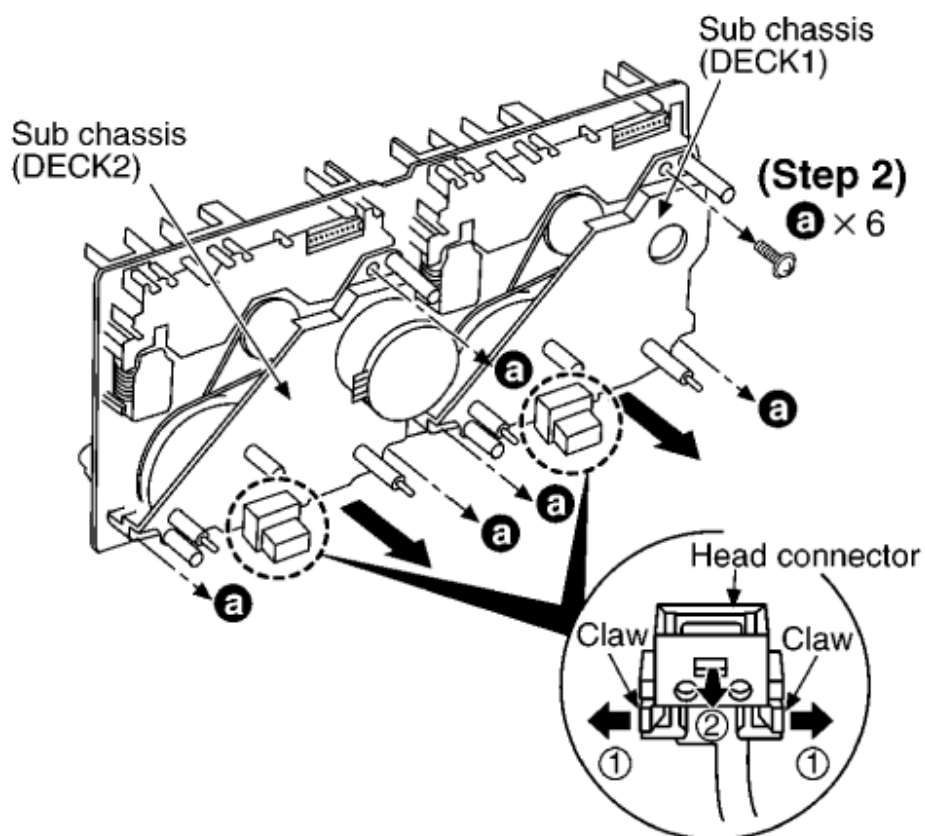
17.12.1 Replacement for the CD motor ass'y, capstan belt A, capstan belt B and winding belt

17.12.1 Replacement for the CD motor ass'y, capstan belt A, capstan belt B and winding belt

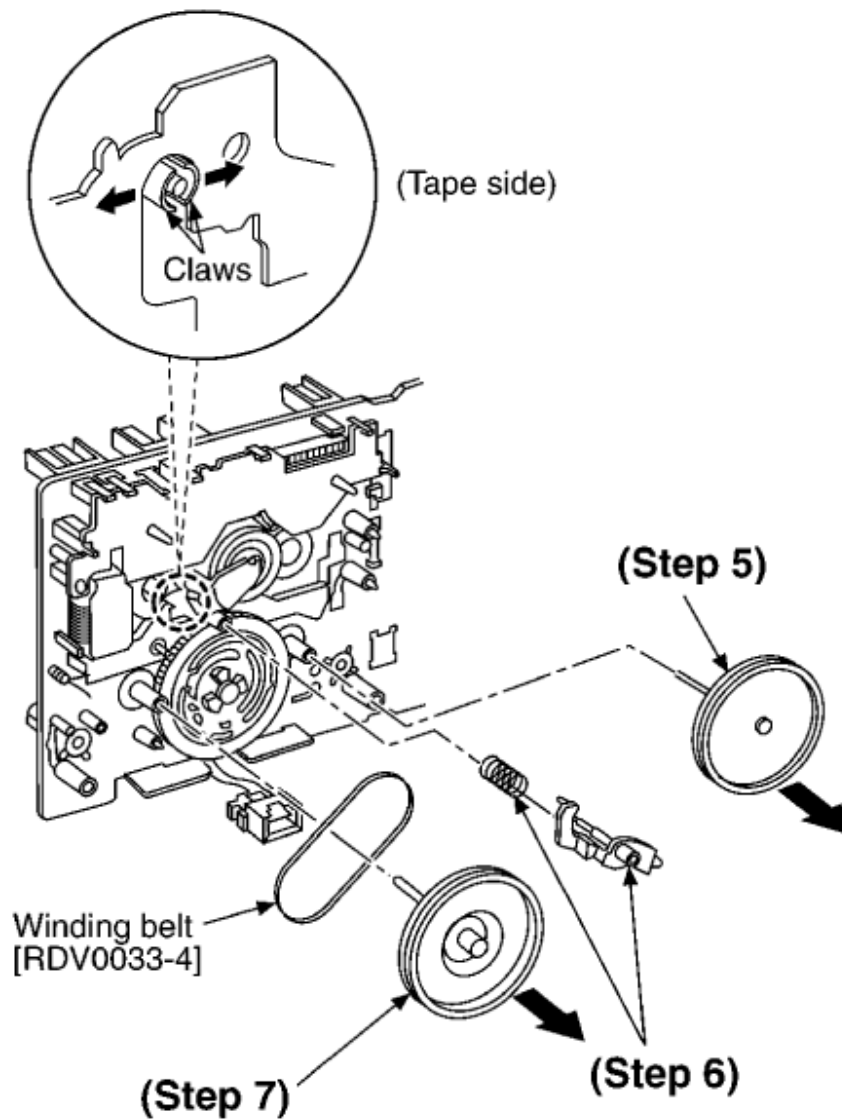
Step 1 Release the 2 claws, and then remove the head connector.

Step 2 Remove 6 screws.

Step 3 Remove the sub chassis.



Step 4 Remove 2 screws.



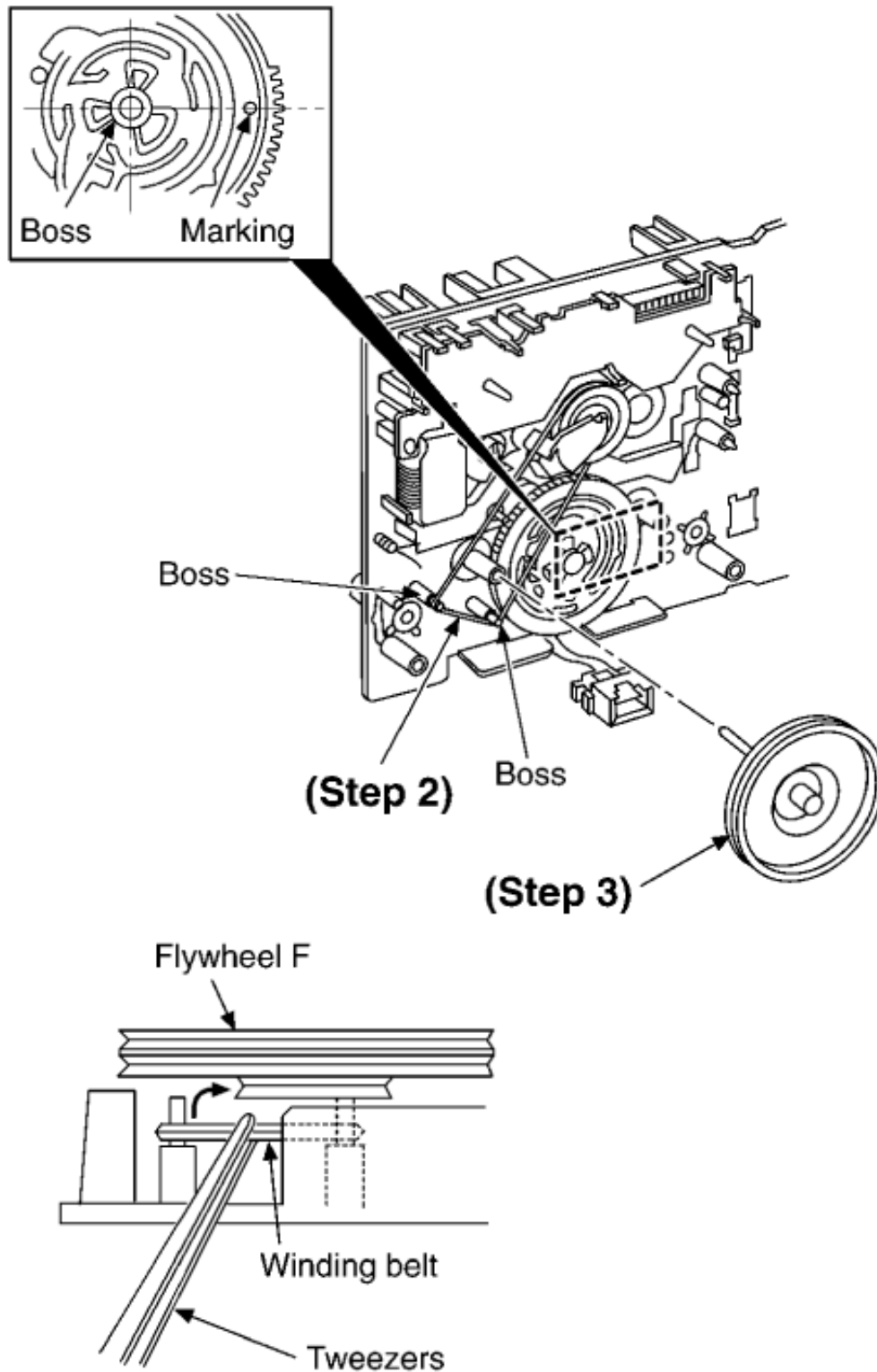
[Step 5](#) Remove the flywheel R.

[Step 6](#) Release the claw of tape side, and then remove the winding lever and spring.

[Step 7](#) Remove the flywheel F.

[\[Installation of the belt\]](#)

[Step 1](#) The boss and marking should be positioned horizontally.



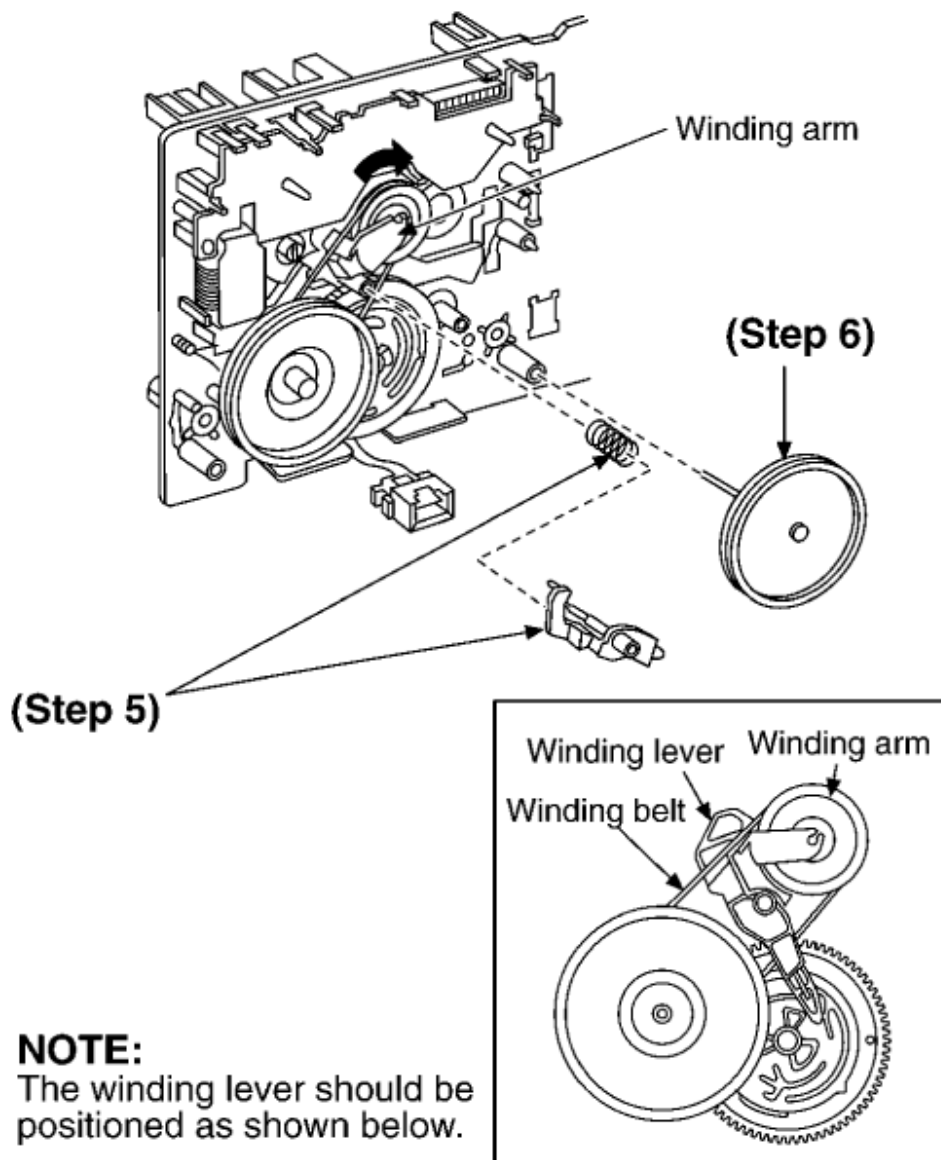
Step 2 Put the winding belt on the pulley temporarily.

Step 3 Install the flywheel F.

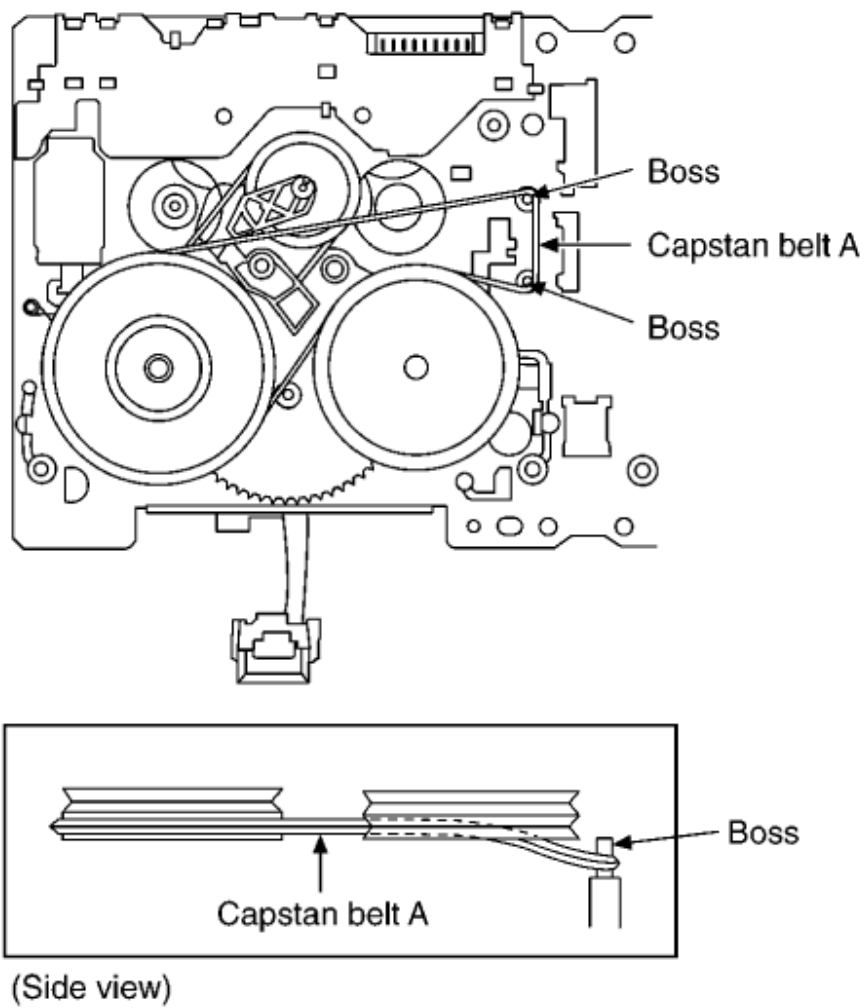
Step 4 Put the winding belt on the flywheel F.

Step 5 Install the winding lever and spring while pressing the winding arm in the direction of arrow.

Step 6 Install the flywheel R.

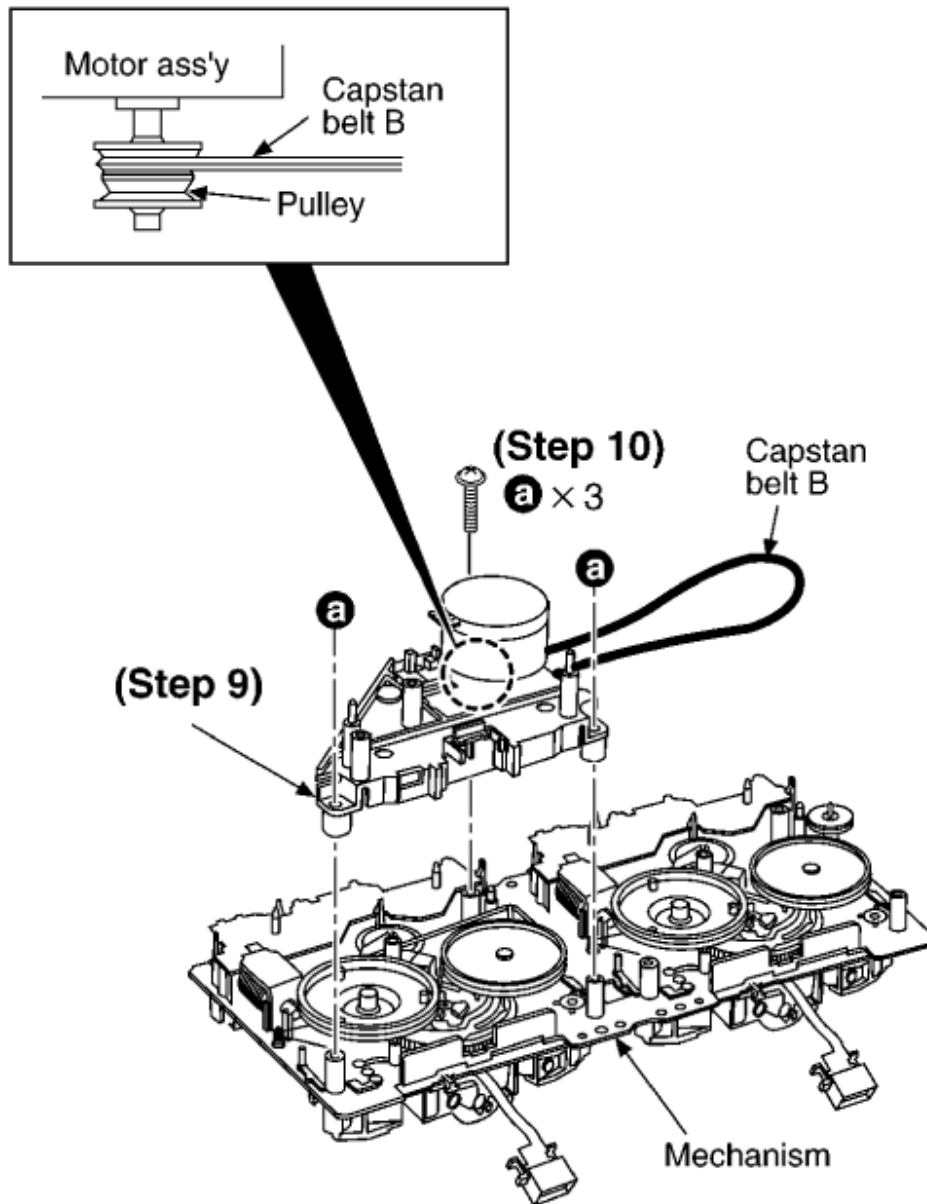


Step 7 Put the capstan belt A temporarily as shown below.



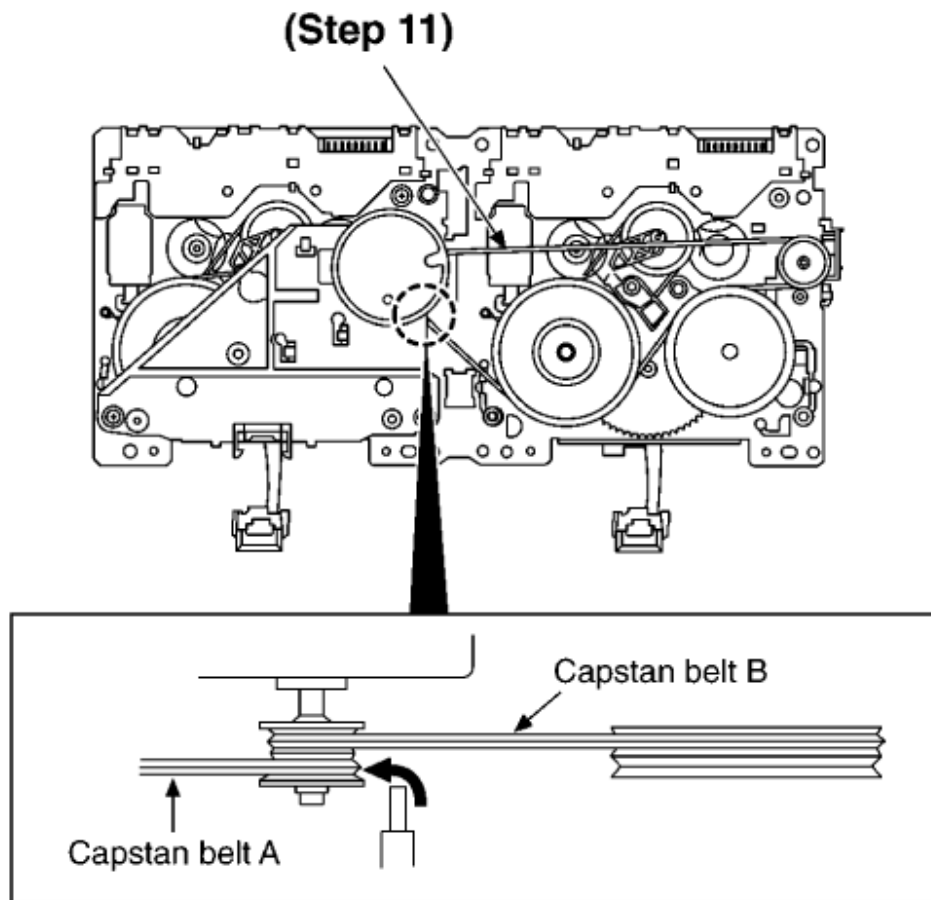
[Step 8](#) Put the capstan belt B on the motor ass'y pulley.

[Step 9](#) Install the sub chassis to the mechanism, and then tighten screws.



[Step 10](#) Remove 3 screws.

[Step 11](#) Put the capstan belt B as shown below.

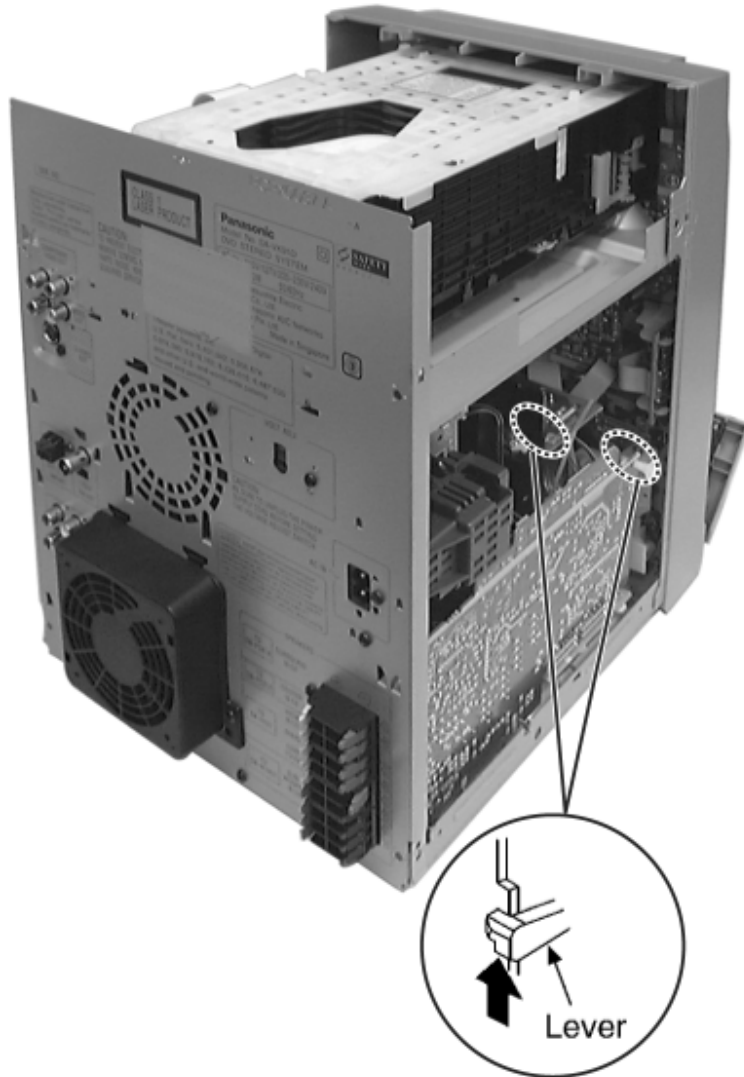


[Step 12](#) Put the capstan belt A on the motor ass'y pulley.

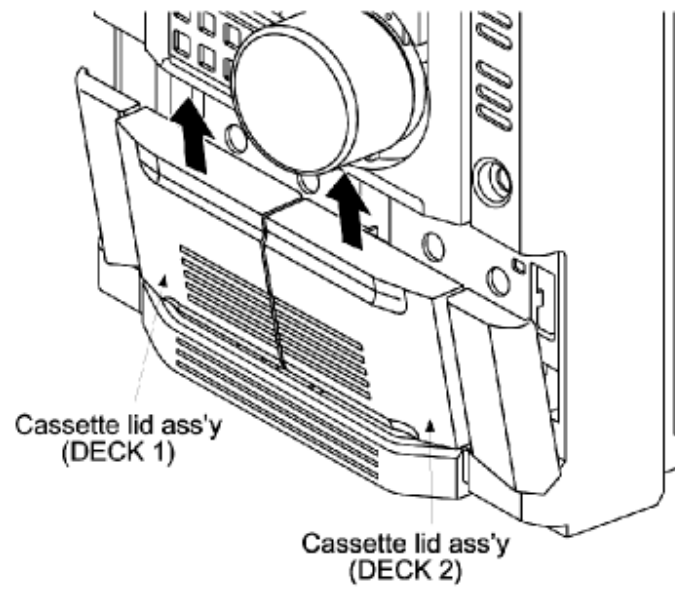
17.13 Replacement for the cassette lid ass'y

- Follow the (Step 1) - (Step 2) of Item 17.2.

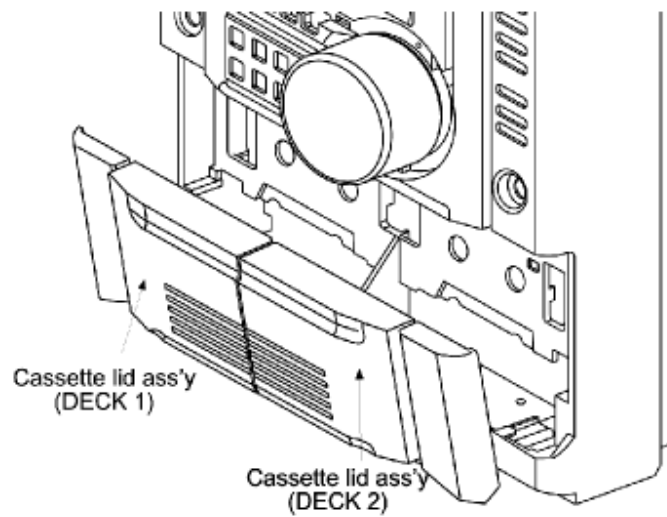
Step 1 Force the lever upward, open the cassette lid ass'y. (For DECK1 and DECK2)



Step 2 Lift up the cassette lid ass'y in the direction of arrow. (For DECK1 and DECK2).



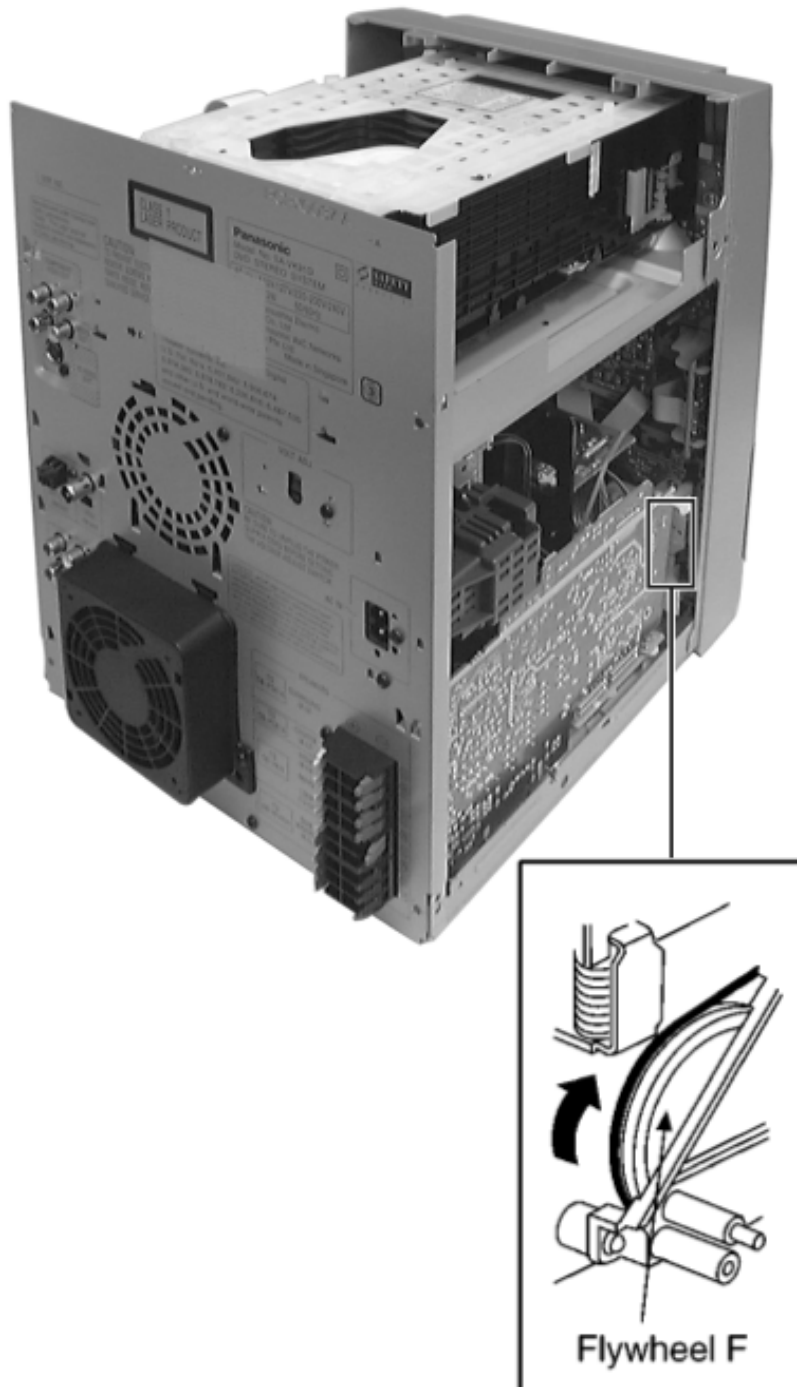
Step 3 Remove the cassette lid ass'y. (For DECK1 and DECK2).



17.14 Counter-measure for tape trouble

- Follow the (Step 1) - (Step 2) of Item 17.2.

Step 1 If a cassette tape cannot be removed from the deck since the tape is caught by the capstan or pinch roller during playback or recording, rotate the flywheel F in the direction of the arrow to remove the tape.

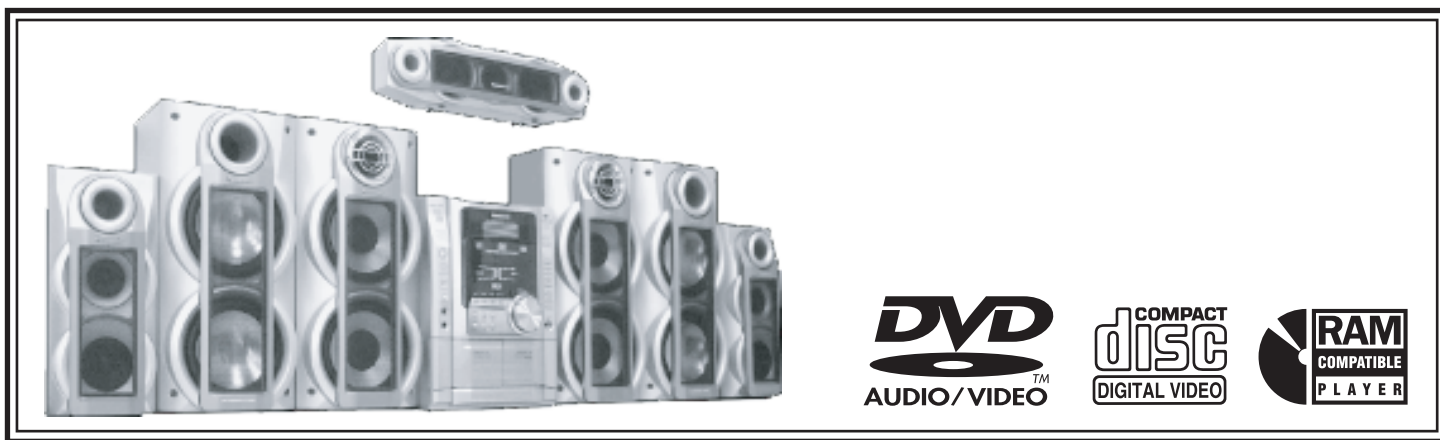


Service Manual

2

MODELO	UNIDAD	
SC-TM92DV	SA-TM92DV	Estéreo
	SB-VK91	Baffles
	SB-PS81A	Surround
	SB-PC81A	Central
	SB-WVK91	Subwoofer

Modelo: **SC-TM92DV**

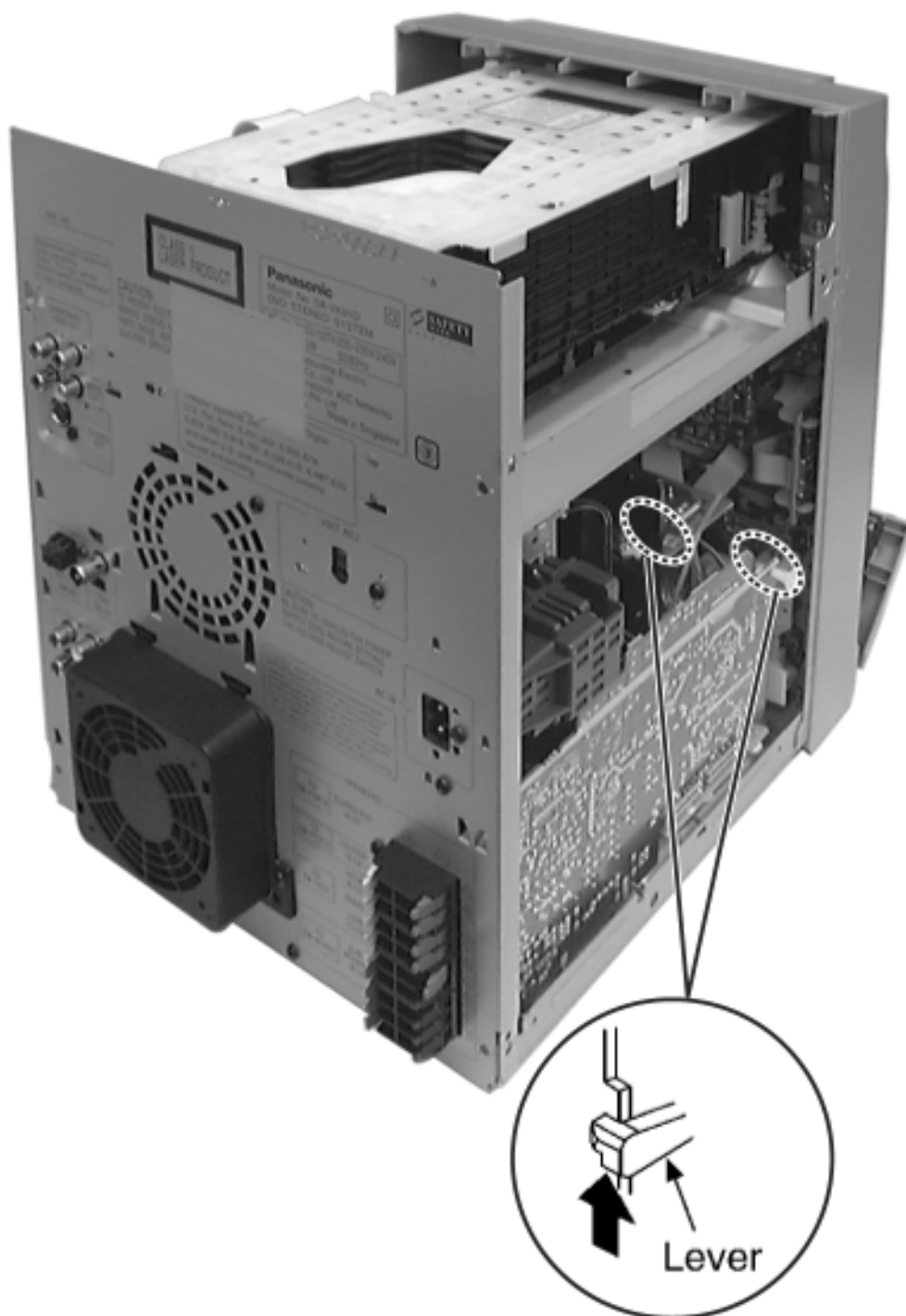


Panasonic

Notas:

- Las especificaciones están sujetas a cambios sin previo aviso.
- Los pesos y las dimensiones son aproximados.

Step 2 Force the lever upward and open the cassette lid ass'y. Take the cassette tape off.



18 Service Position

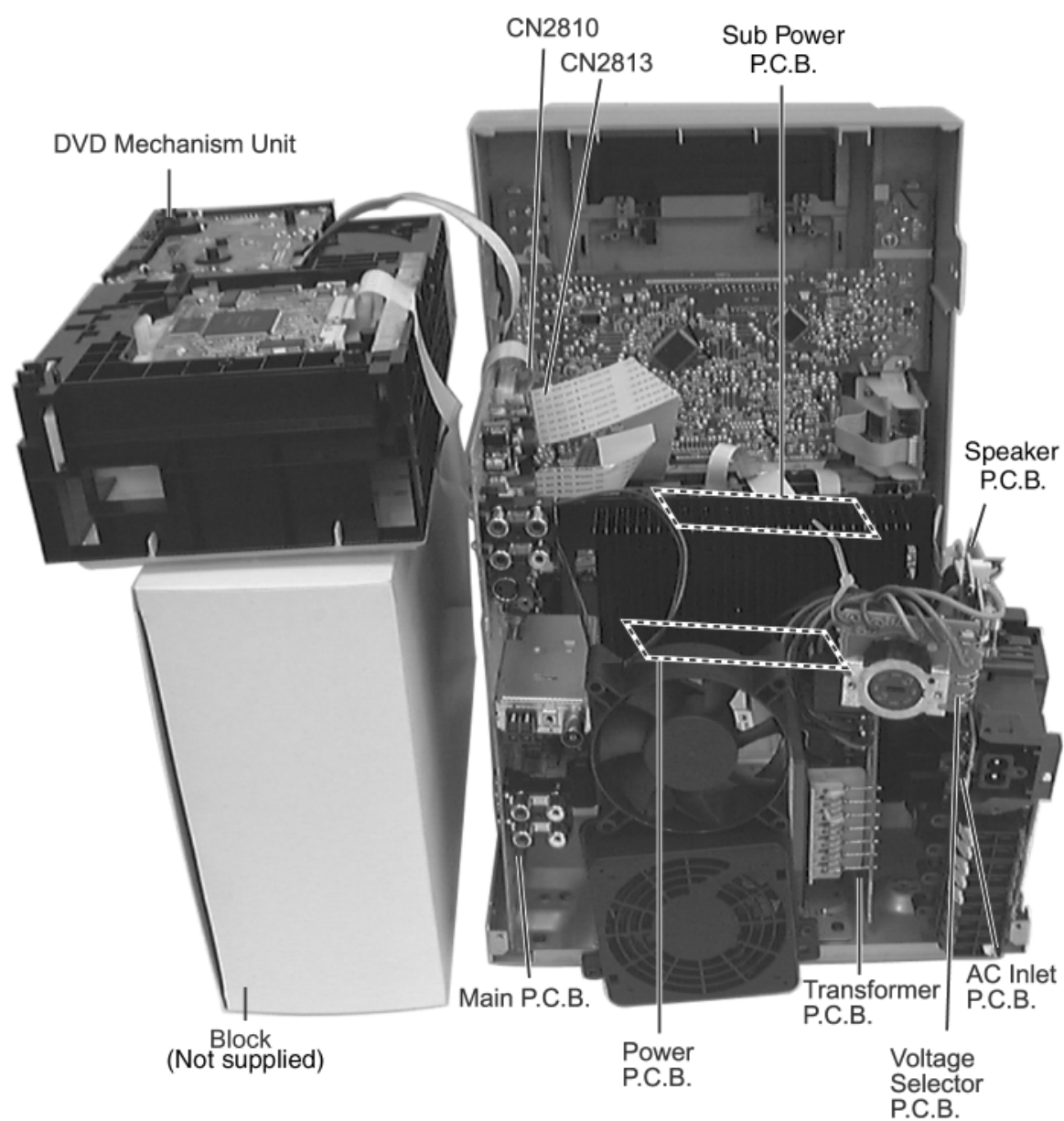
18.1 Checking Procedure

Note:

For the disassembling procedure, see Section 17.

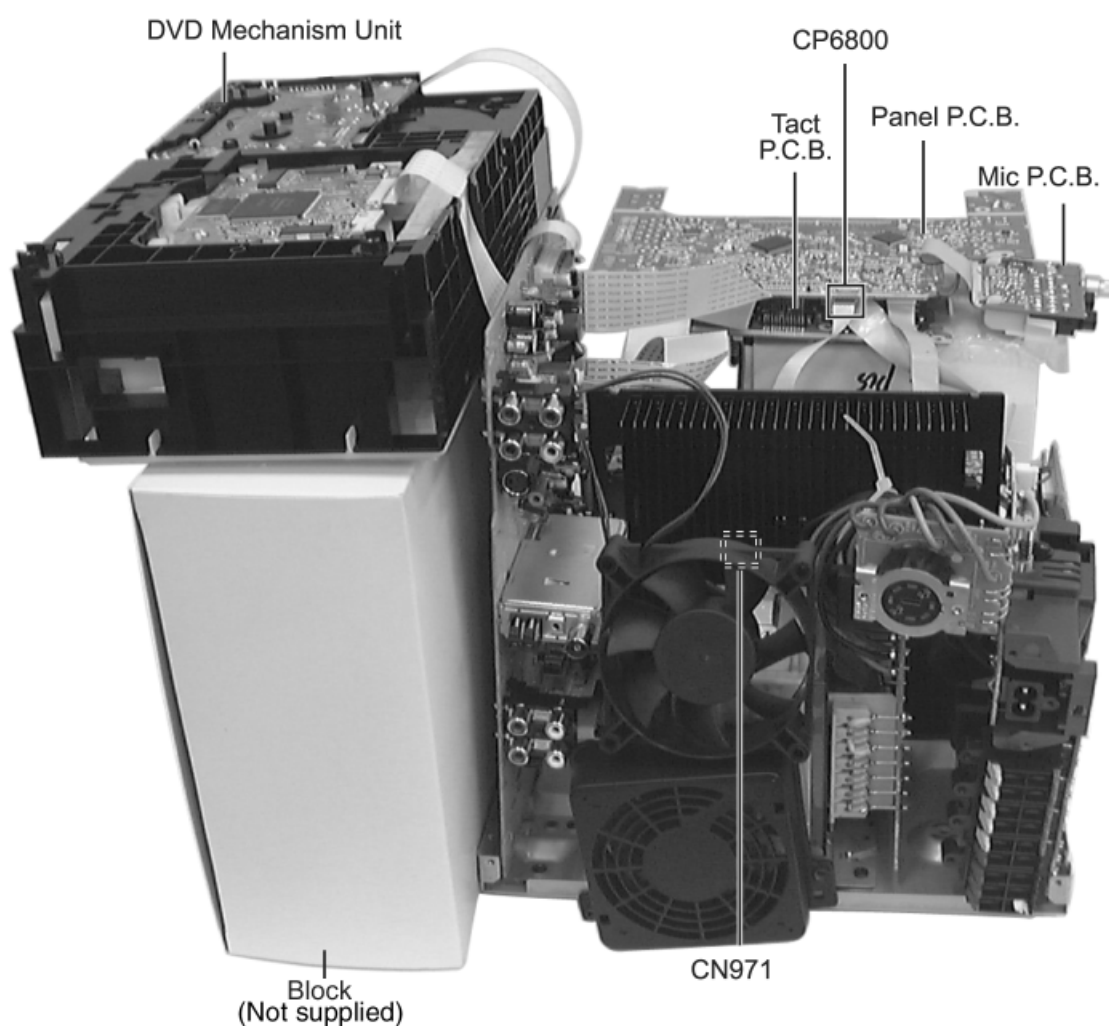
18.2 Checking the Main P.C.B., Speaker P.C.B., Power P.C.B., Sub Power P.C.B., Transformer P.C.B., Voltage Selector P.C.B. and AC Inlet P.C.B.

1. Remove Top Cabinet and Rear Panel.
2. Remove DVD Mechanism Unit.
3. Connect FFC board (CN2810 & CN2813) from DVD Mechanism Unit.



18.3 Checking the Panel P.C.B., Tact P.C.B., Mic P.C.B., Deck P.C.B. & Deck Mechanism P.C.B.

1. Remove Top Cabinet and Rear Panel.
2. Remove DVD Mechanism Unit.
3. Remove volume knob at front panel.
4. Remove Panel P.C.B., Mic P.C.B. & Tact Switch P.C.B.
5. Remove Deck Mechanism P.C.B.
6. Use the extension cable (REEX0310 - 10 Pins) to reconnect (CP6800) Panel P.C.B. and (CN971) Deck Mechanism P.C.B.



Service Tools	
Extension FFC Panel P.C.B. - Deck Mechanism P.C.B.	REEX0310 (10 Pins)

19 Measurements and Adjustments

19.1 Cassette Deck Section

- Measurement Condition
 - Reverse-mode selector switch:

 - Tape edit: NORMAL
 - Make sure head, capstan and press roller are clean.
 - Judgeable room temperature 20 ± 5 °C (68 ± 9 °F)
- Measuring instrument
 - EVM (DC Electronic volmeter)
 - Digital frequency counter
- Test Tape
 - Tape speed gain adjustment (3 kHz, -10 dB); QZZCWAT

19.1.1 Head Azimuth Adjustment (Deck 1/2)

Caution:

- Please replace both azimuth adjustment screw and springs simultaneously when readjusting the head azimuth. (shown in Fig. 2) Even if you wish to readjust the head azimuth without replacing the screws and springs, a fine adjustment to the azimuth screw and spring.
 - Please remove the screw-locking bond left on the head base when replacing the azimuth screw.
 - If you wish to readjust the head azimuth, be sure to adjust with adhering the cassette tape closely to the mechanism by pushing the center of cassette tape with your finger. (shown in Fig. 3)
1. Playback the azimuth adjustment portion (8 kHz, -20dB) of the test tape (QZZCFM) in the forward play mode. Vary the azimuth adjustment screw until the output of the R-CH (PB OUT-R) are maximized.
 2. Perform the same adjustment in the reverse play mode.
 3. After the adjustment, apply screwlock to the azimuth adjusting screw.

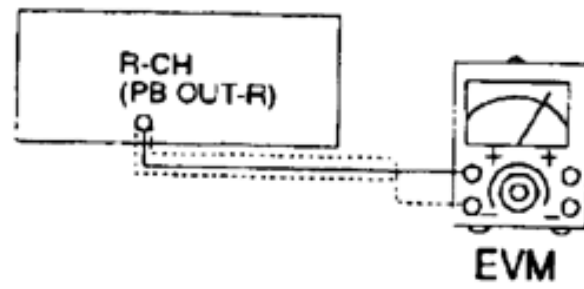


Fig. 1

-  Screw
-  Springs

Fig. 2

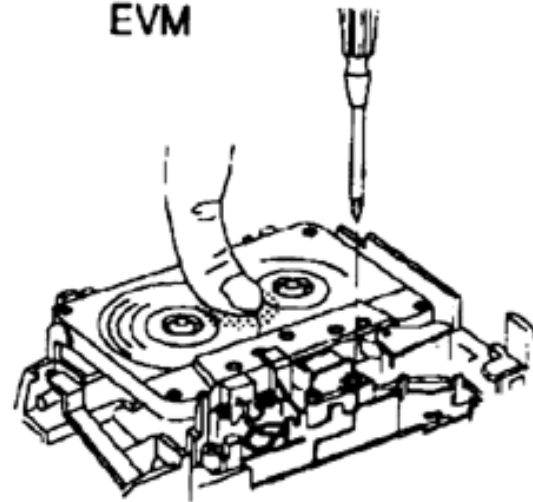


Fig. 3

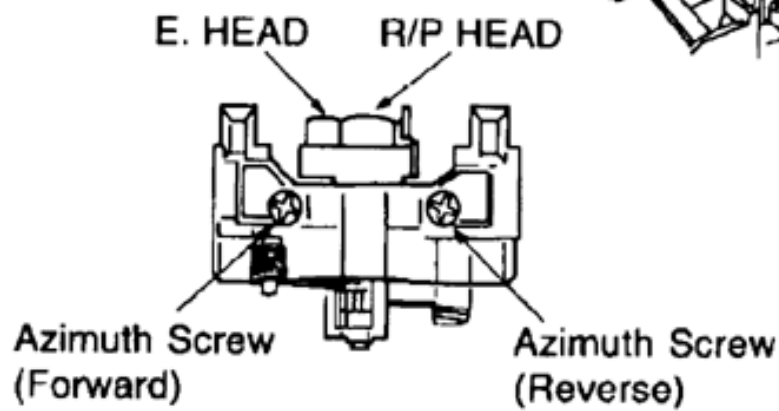


Fig. 4

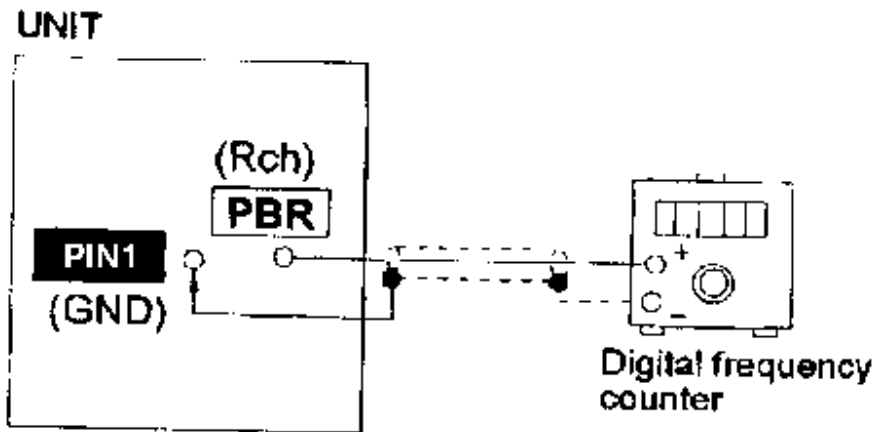
19.1.2 Tape Speed Adjustment (Deck 1/2)

1. Set the tape edit button to “NORMAL” position.
2. Insert the test tape (QZZCWAT) to DECK 2 and playback (FWD side) the middle portion of it.
3. Adjust Motor VR (DECK 2) for the output value shown below.

Adjustment target: 2940 ~ 3060 Hz (NORMAL speed)

4. After alignment, assure that the output frequency of the DECK 1 FWD are within ± 60 Hz of the value of the output frequency of DECK 2 FWD.

Fig. 1



19.1.3 Bias and Erase Voltage Check

1. Set the unit “AUX” position.
2. Insert the Normal blank tape (QZZCRA) into DECK 2 and the unit to “REC” mode (use “• REC/STOP” key).
3. Measure and make sure that the output is within the standard value.

Bias voltage for Deck 2 14 ± 4 mV (Normal)

Erase voltage for Deck 2 80 mV (Normal)

Fig. 2

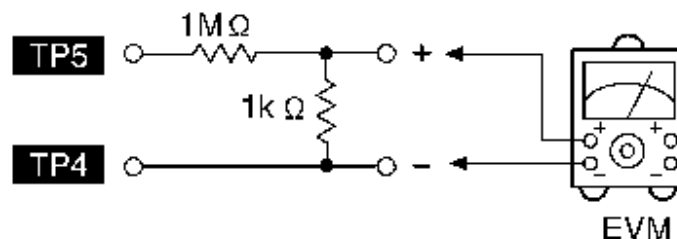
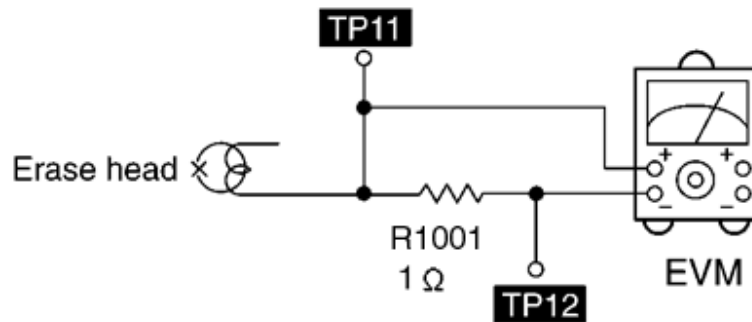


Fig. 3

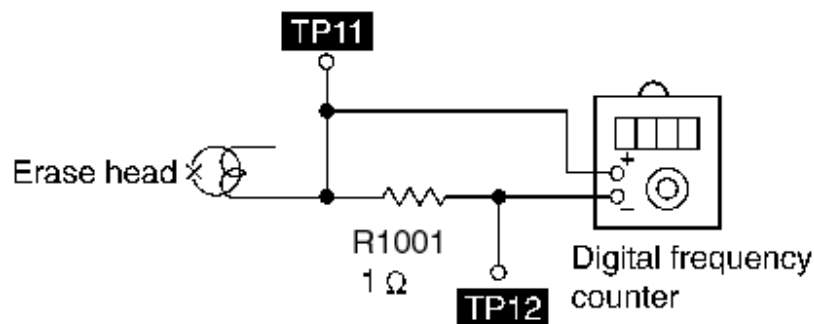


19.1.4 Bias Frequency Adjustment (Deck 1/2)

1. Set the unit to “AUX” position.
2. Insert the Normal blank tape (QZZCRA) into DECK 2 and set the unit to “REC” mode (• use “REC/STOP” key).
3. Adjust L1002 so that the output frequency is within the standard value.

Standard Value: 97 ± 8 kHz

Fig. 4



19.2 Tuner Section

19.2.1 AM-IF Alignment

1. Connect the instrument as shown in Fig. 5.
2. Set the unit to AM mode.
3. Apply signal as shown in Fig. 5 from AM-SG.
4. Adjust Z102 so that the output frequency is maximized in Fig. 6.

Fig. 5

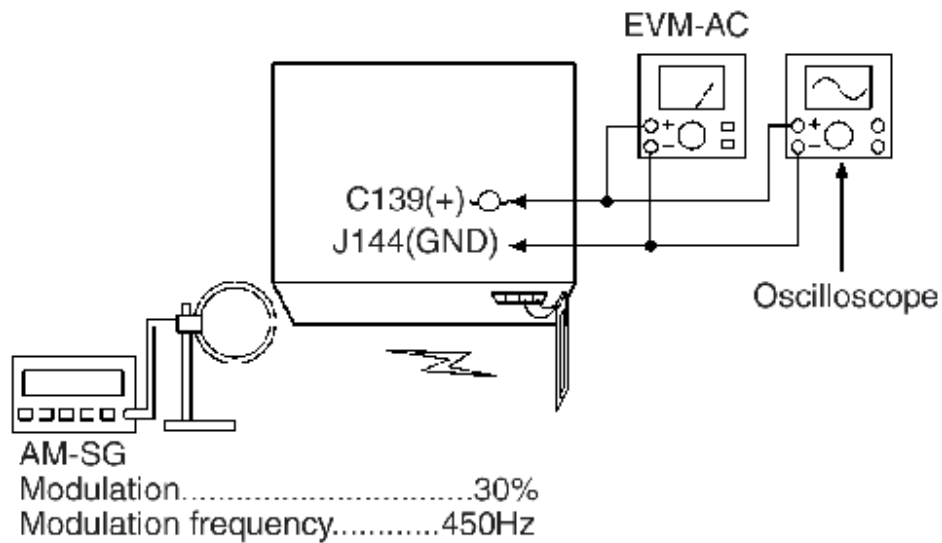
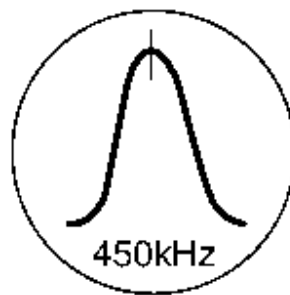


Fig. 6



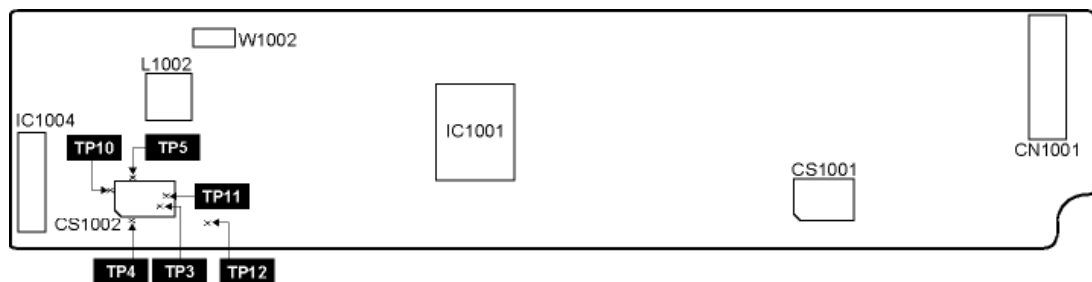
19.2.2 AM RF Adjustment

1. Connect the instrument as shown in Fig. 7.
2. Set the unit to AM mode.
3. Set AM-SG to 520kHz.
4. Receive 520kHz in the unit.
5. Adjust Z101 (OSC) so that the EVM-AC is maximized.
6. Set AM-SG to 600Hz.
7. Receive 600Hz in the unit.
8. Adjust Z101 (ANT) so that the EVM-SG is maximized.
9. Set AM-SG to 520kHz.
10. Receive 520kHz in the unit.
11. Adjust Z101 (OSC) so that the EVM-DC value is with $1.1 \pm 0.5V$.

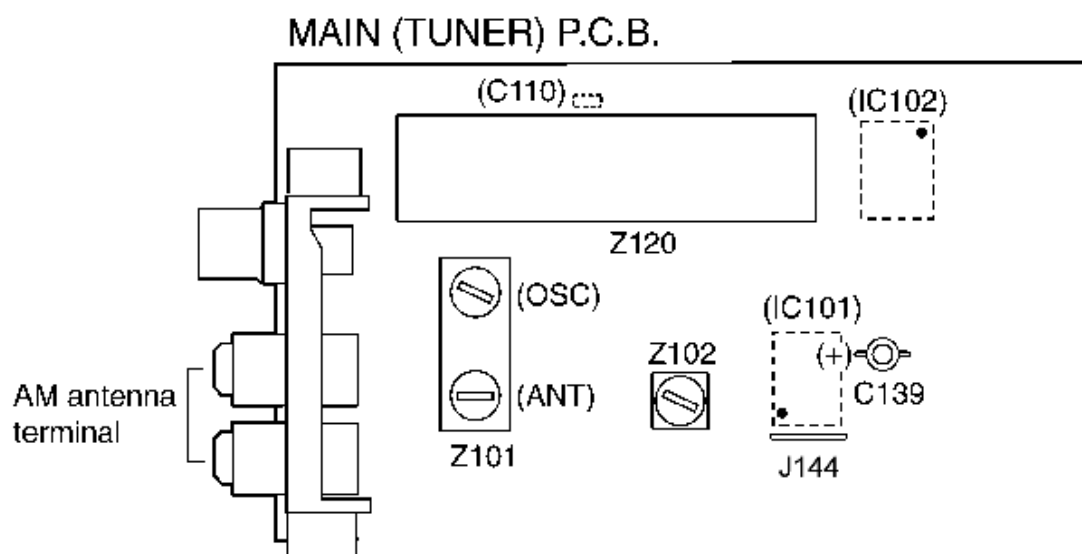
Figure 1: Measurement setup for the power MOSFET. The diagram shows a power MOSFET circuit with an AM-SG (Amplitude Modulated Signal Generator) connected to the gate. The drain is connected to a 100 μ H choke coil (CHOKF COIL) and a load resistor (C110). The source is connected to ground (J144(GND)). The circuit is powered by an EVM-DC (Electronic Voltage Meter - DC) and an EVM-AC (Electronic Voltage Meter - AC). An oscilloscope is connected to the drain and source to measure the output voltage and current. The AM-SG settings are: Modulation 30%, Modulation frequency 400Hz.

19.3.1 Cassette Deck Section

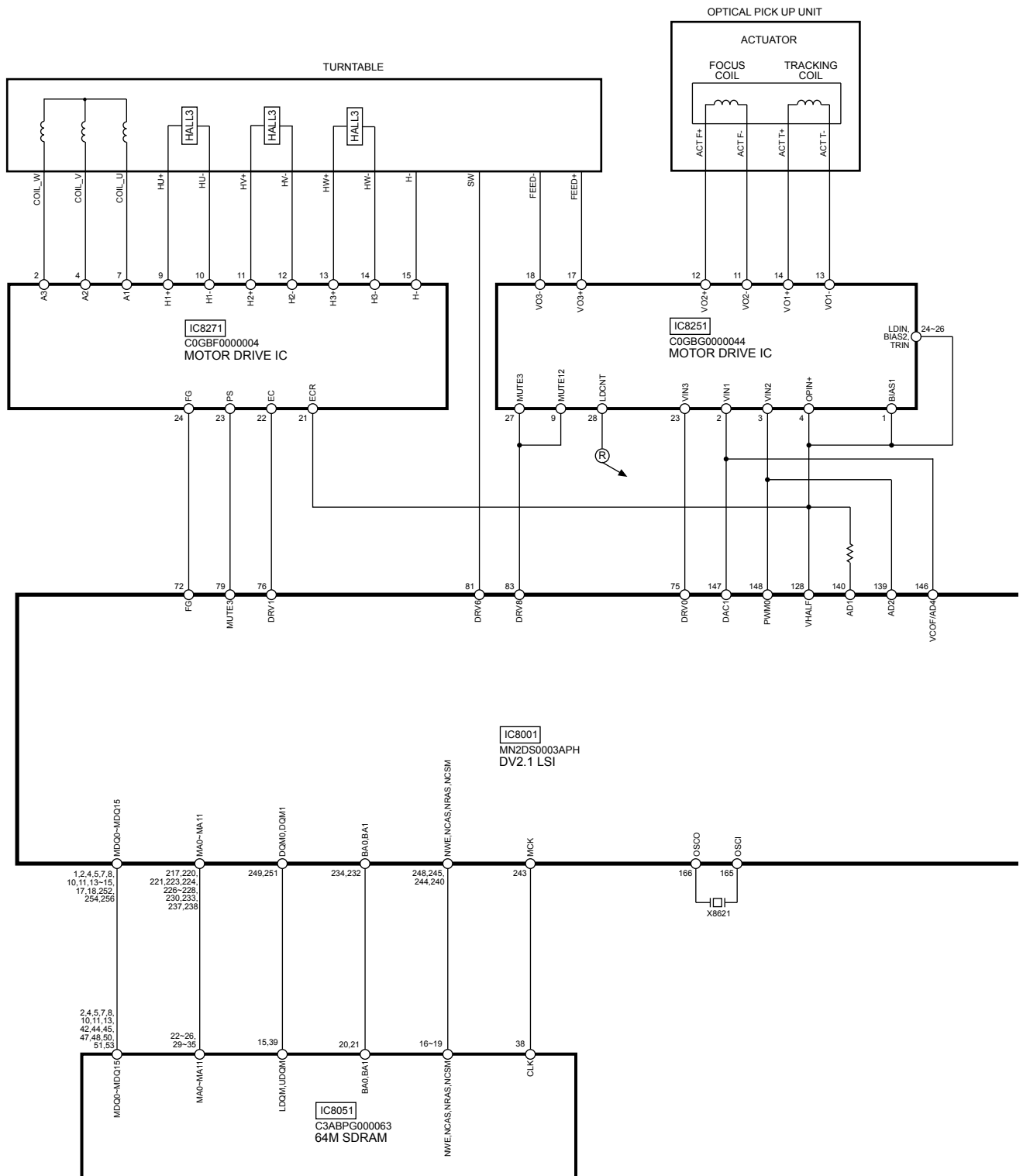
19.3.1 Cassette Deck Section

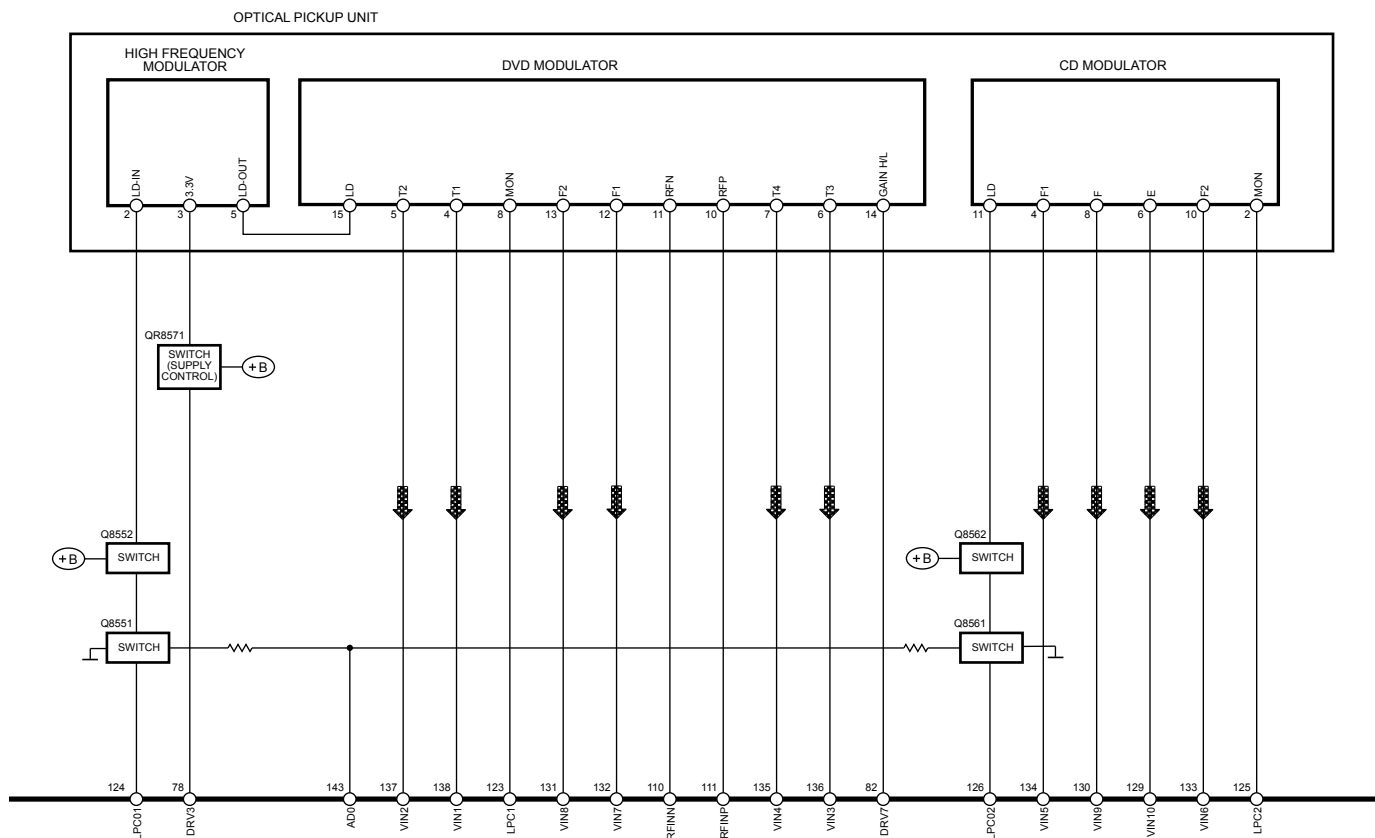


19.3.2 Adjustment Point



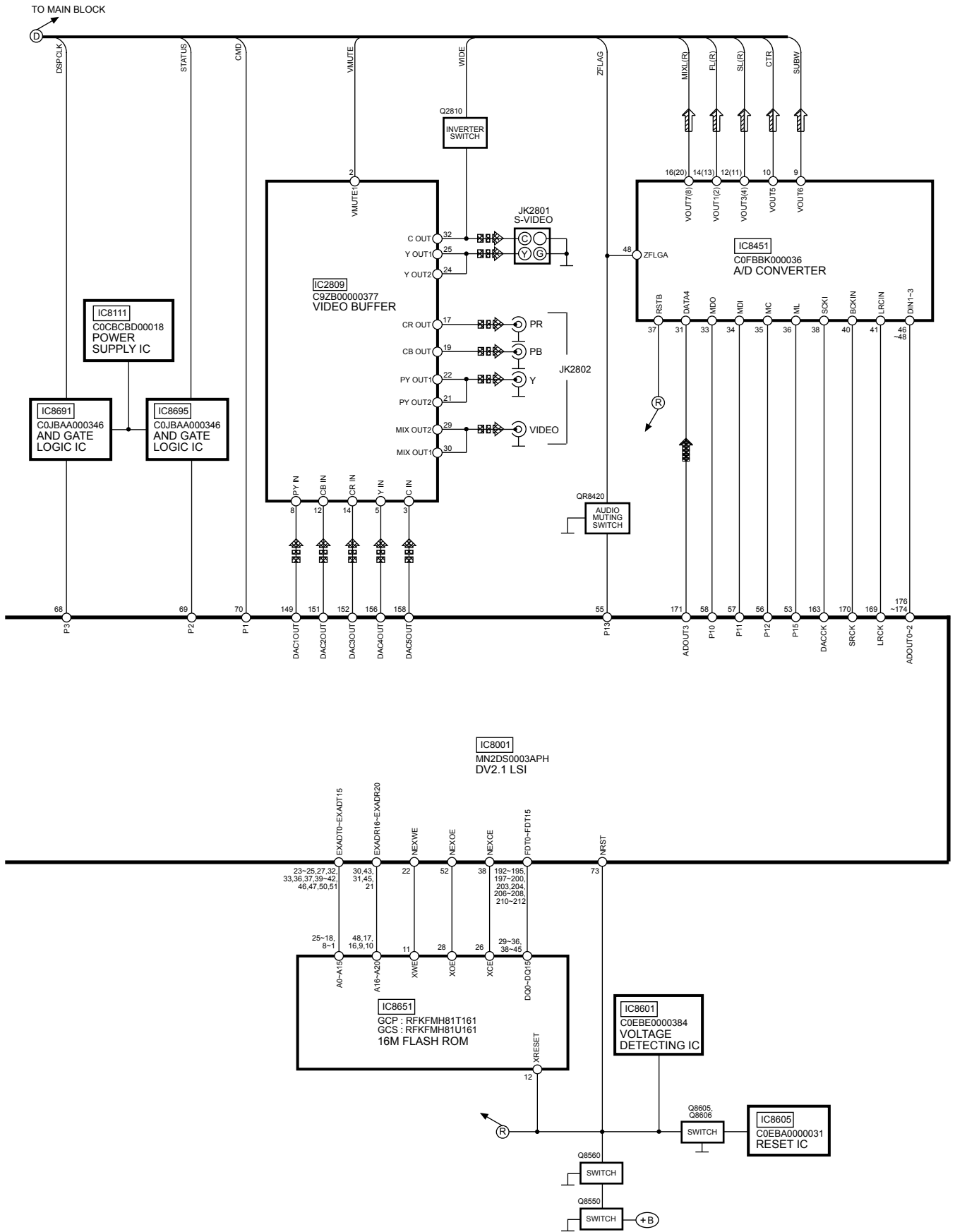
20 Block Diagram

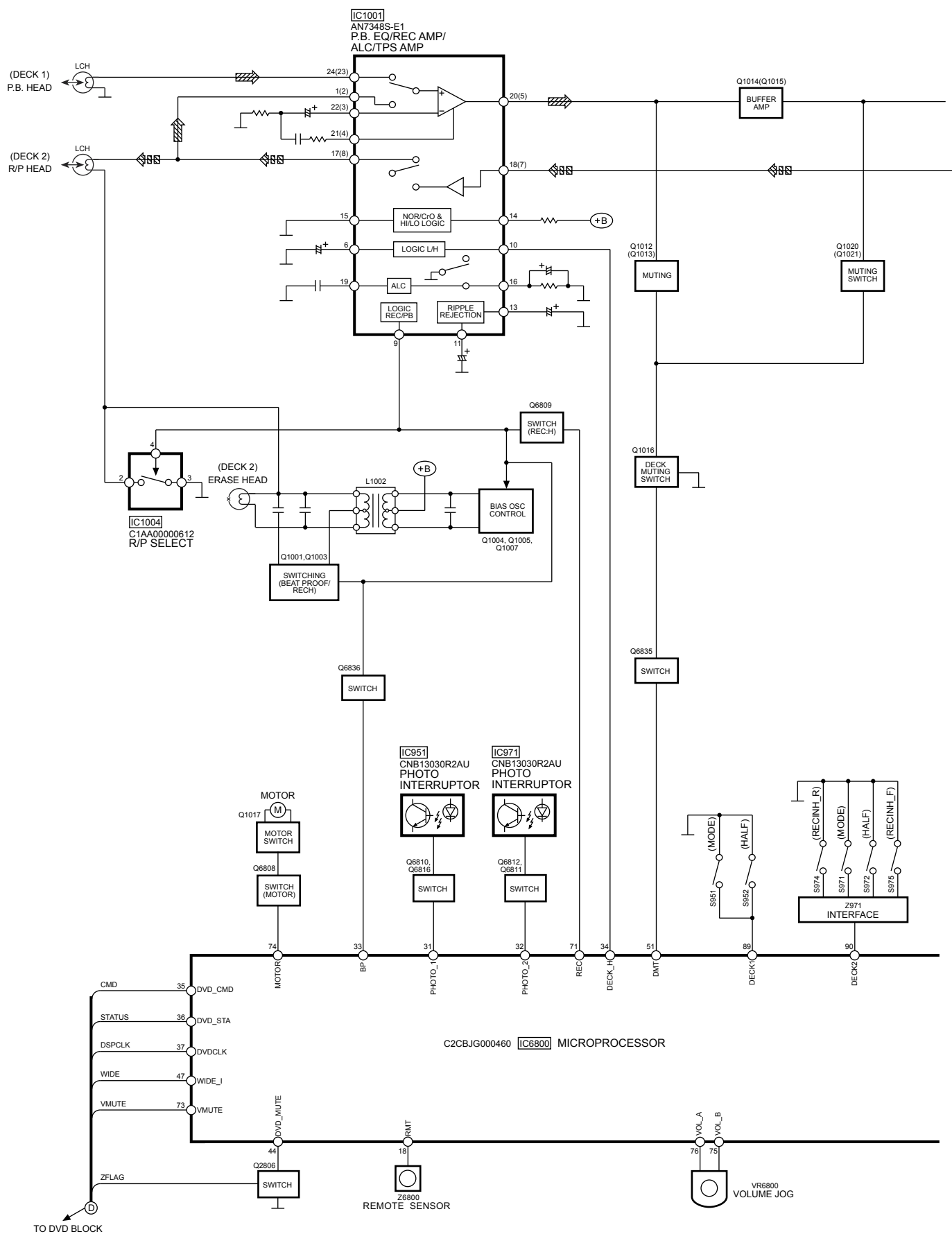


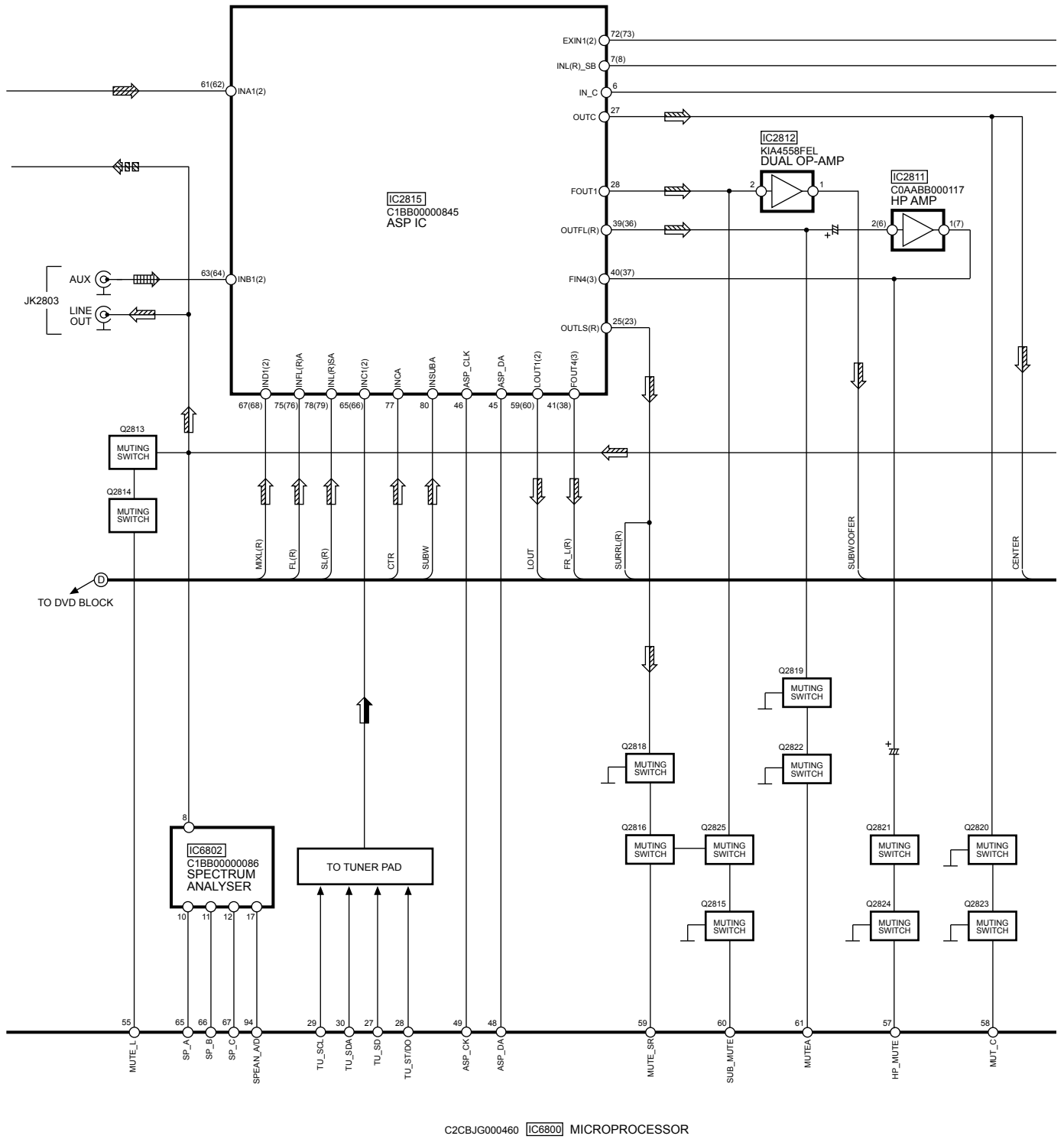


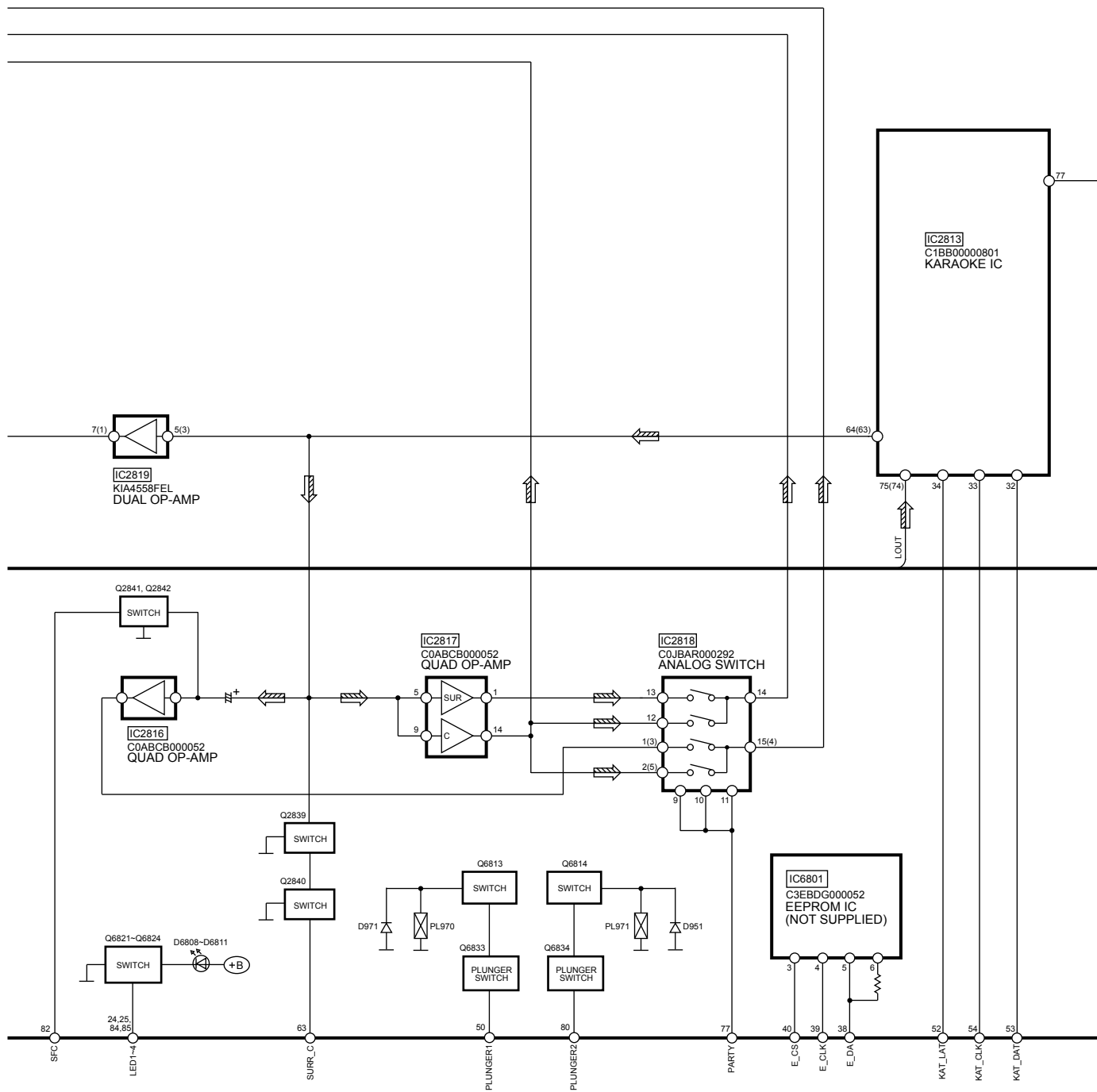
IC8001
MN2DS0003APH
DV2.1 LSI



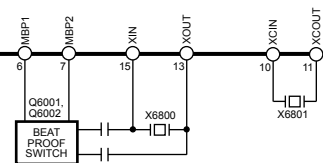


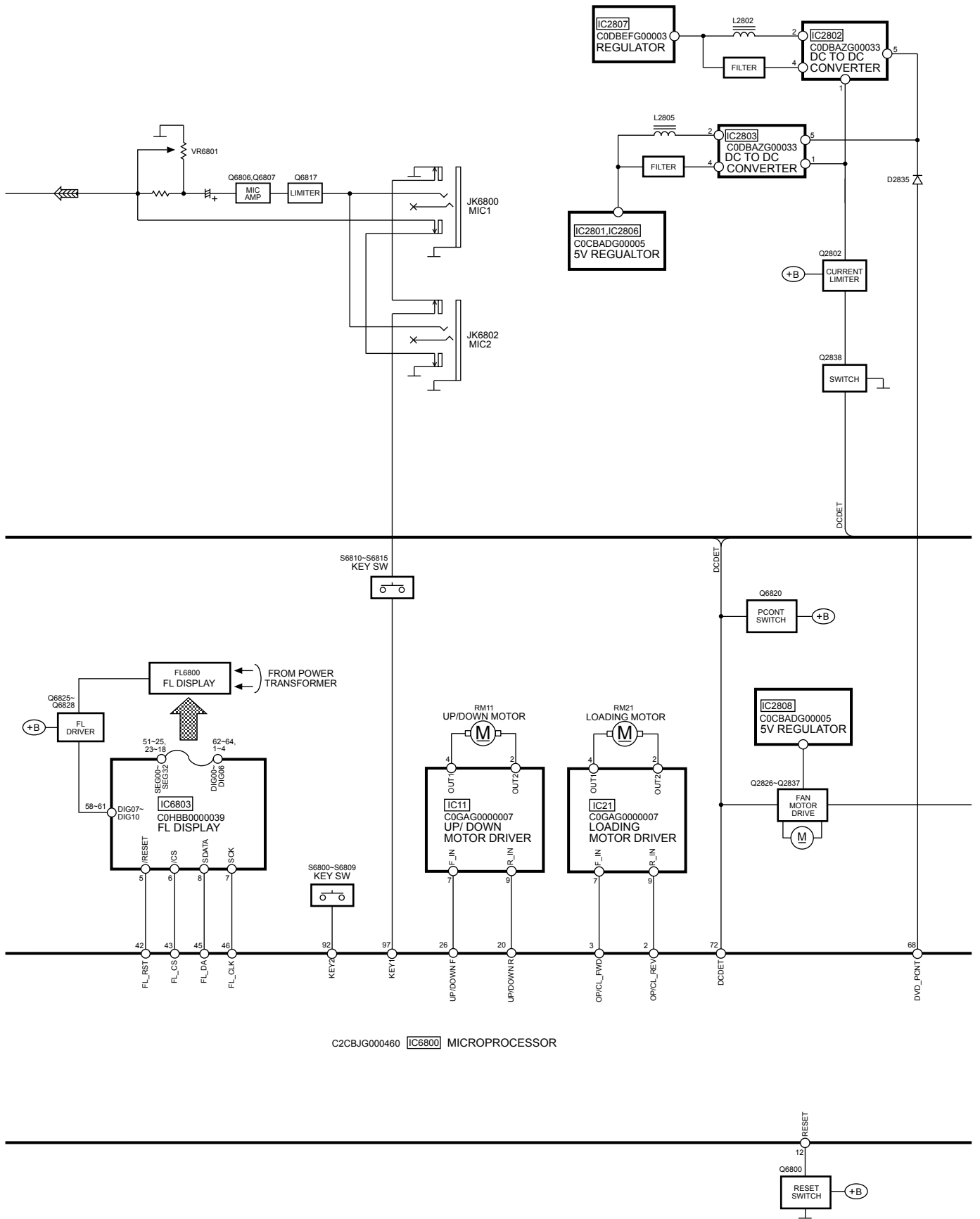


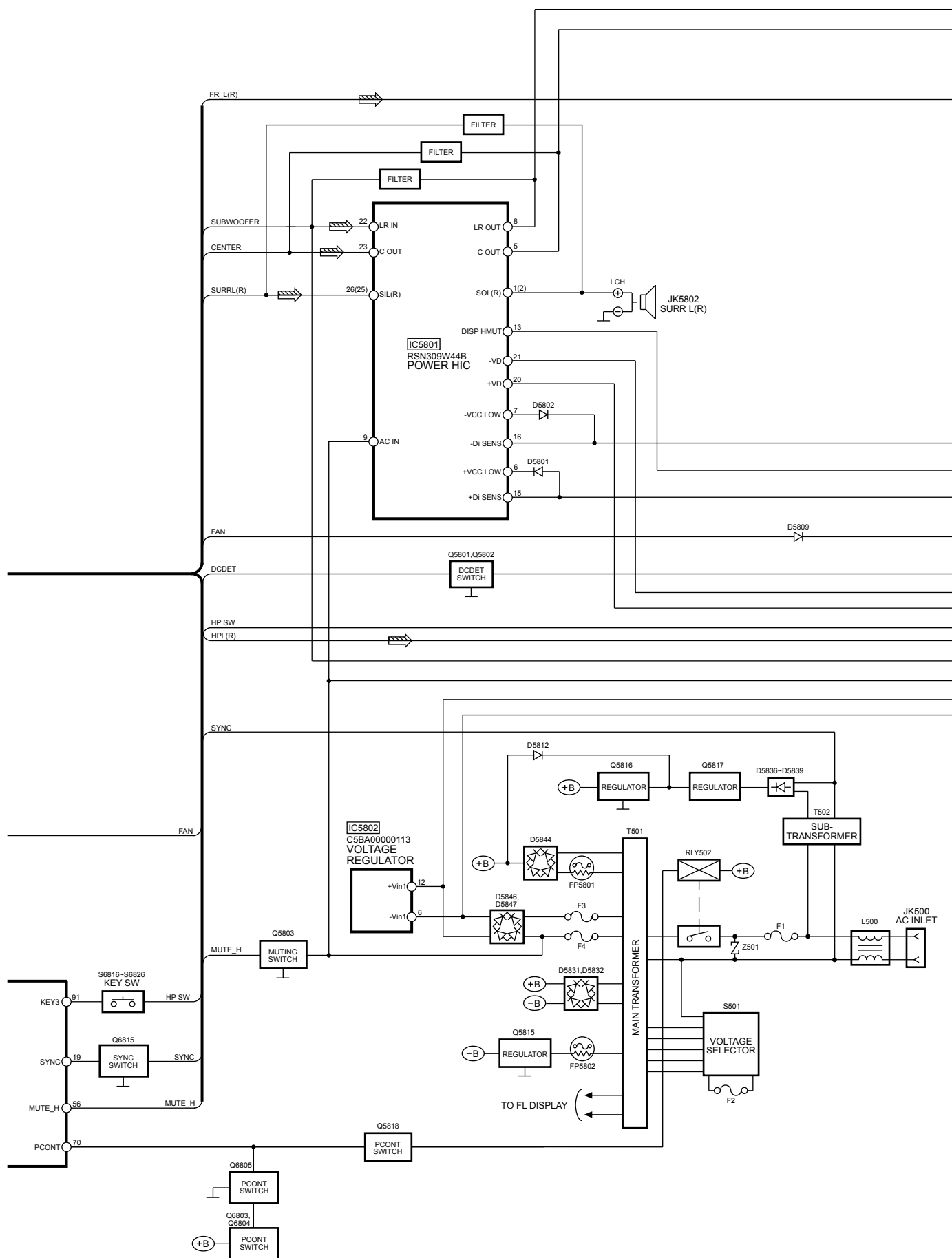


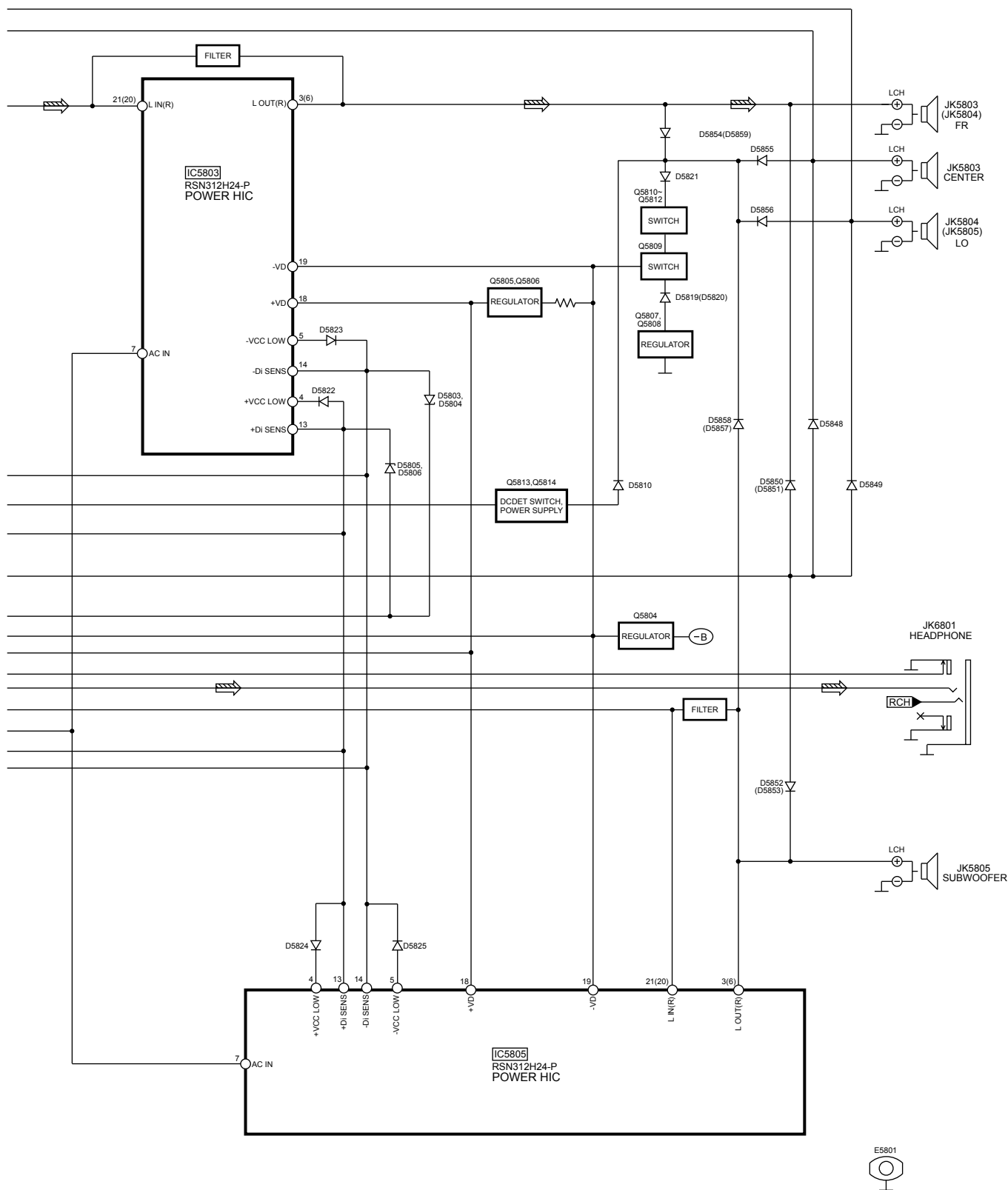


C2CBJG000460 IC6800 MICROPROCESSOR









SIGNAL LINES

() Indicates the Pin No. of Right Channel.

NOTE : Signal Lines are applicable to the Left Channel only.

21 Schematic Diagram

(All schematic diagrams may be modified at any time with the development of the new technology)

Note:

- [S1](#)
: Stock Switch
- [S2](#)
: Play Switch
- [S3](#)
: Bottom Switch
- [S4](#)
: Open Switch
- [S5](#)
: Change Switch
- [S501](#)
: Voltage Selector Switch
- [S951](#)
: Mode Switch
- [S952](#)
: Half Switch
- [S971](#)
: Mode Switch
- [S972](#)

: Half Switch

- [S974](#)

: Recinh_R Switch

- [S975](#)

: Recinh_F Switch

- [S6800](#)

: DVD/CD Switch

- [S6801](#)

: Tape Switch

- [S6802](#)

: Tuner/Band Switch

- [S6803](#)

: Aux Switch

- [S6804](#)

: Deck 1 Switch

- [S6805](#)

: Display Switch

- [S6806](#)

: Deck 2 Switch

- [S6807](#)

: Rew Switch

- [S6808](#)

: FF Switch

- [S6809](#)
: Stop Switch
- [S6810](#)
: Power Switch
- [S6811](#)
: Disc Check Switch
- [S6812](#)
: Multi Re-Master Switch
- [S6813](#)
: Super Surround Switch
- [S6814](#)
: Deck1/2 Switch
- [S6815](#)
: Rec Switch
- [S6816](#)
: CD Open/Close Switch
- [S6817](#)
: Disc Change Switch
- [S6819](#)
: Disc 5 Switch
- [S6820](#)
: Disc 4 Switch
- [S6821](#)

: Disc 3 Switch

- [S6822](#)

: Disc 2 Switch

- [S6823](#)

: Disc 1 Switch

- [S6824](#)

: SSEQ Switch

- [S6825](#)

: S.Woofer Switch

- [S6826](#)

: Sound EQ Switch

- [VR6800](#)

: VR Volume Jog

- [VR6801](#)

: VR Mic

- The voltage value and waveforms are the reference voltage of this unit measured by DC electronic voltmeter (high impedance) and oscilloscope on the basis of chassis. Accordingly, there may arise some error in voltage values and waveforms depending upon the internal impedance of the tester or the measuring unit.

(()) : CD <> : FM

- [Importance safety notice :](#)

Components identified by  mark have special characteristics important for safety. Furthermore, special parts which have purposes of fire-retardant (resistors), high-quality sound (capacitors), low-noise (resistors), etc. are used. When replacing any of components, be sure to use only manufacturer's specified parts shown in the parts list.

Caution !

IC, LSI and VLSI are sensitive to static electricity.

Secondary trouble can be prevented by taking care during repair.

- Cover the parts boxes made of plastics with aluminium foil.
- Put a conductive mat on the work table.
- Ground the soldering iron.
- Do not touch the pins of IC, LSI or VLSI with fingers directly.

21.1 Optical Pickup Unit Circuit

21.2 (A) DVD Module Circuit

21.3 (B) Main Circuit

21.4 (C) Panel Circuit , (D) Mic Circuit & (E) Tact Switch Circuit

21.5 (F) Deck Circuit & (G) Deck Mechanism Circuit

21.6 (H) Power Circuit

21.7 (I) Sub Power Circuit

21.8 (J) Speaker Circuit

21.9 (K) Transformer Circuit, (L) AC Inlet Circuit, (M) Voltage Selector Circuit & (N) CD Loading Circuit

SCHEMATIC DIAGRAM - 1



OPTICAL PICKUP UNIT CIRCUIT

— : +B SIGNAL LINE

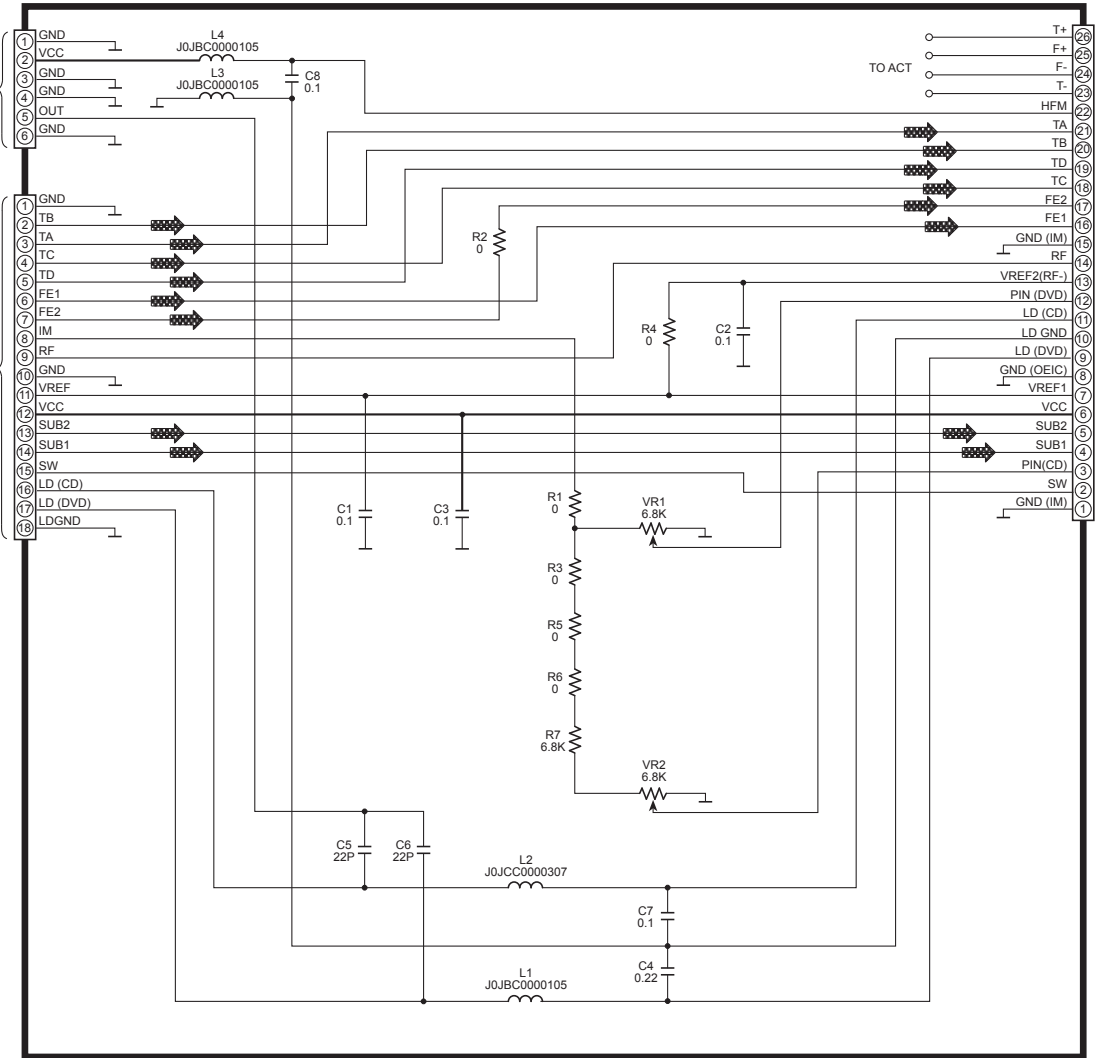
▤ : CD-DA SIGNAL LINE

TO
HFM
PCB

TO
LDU
PCB

TO ACT

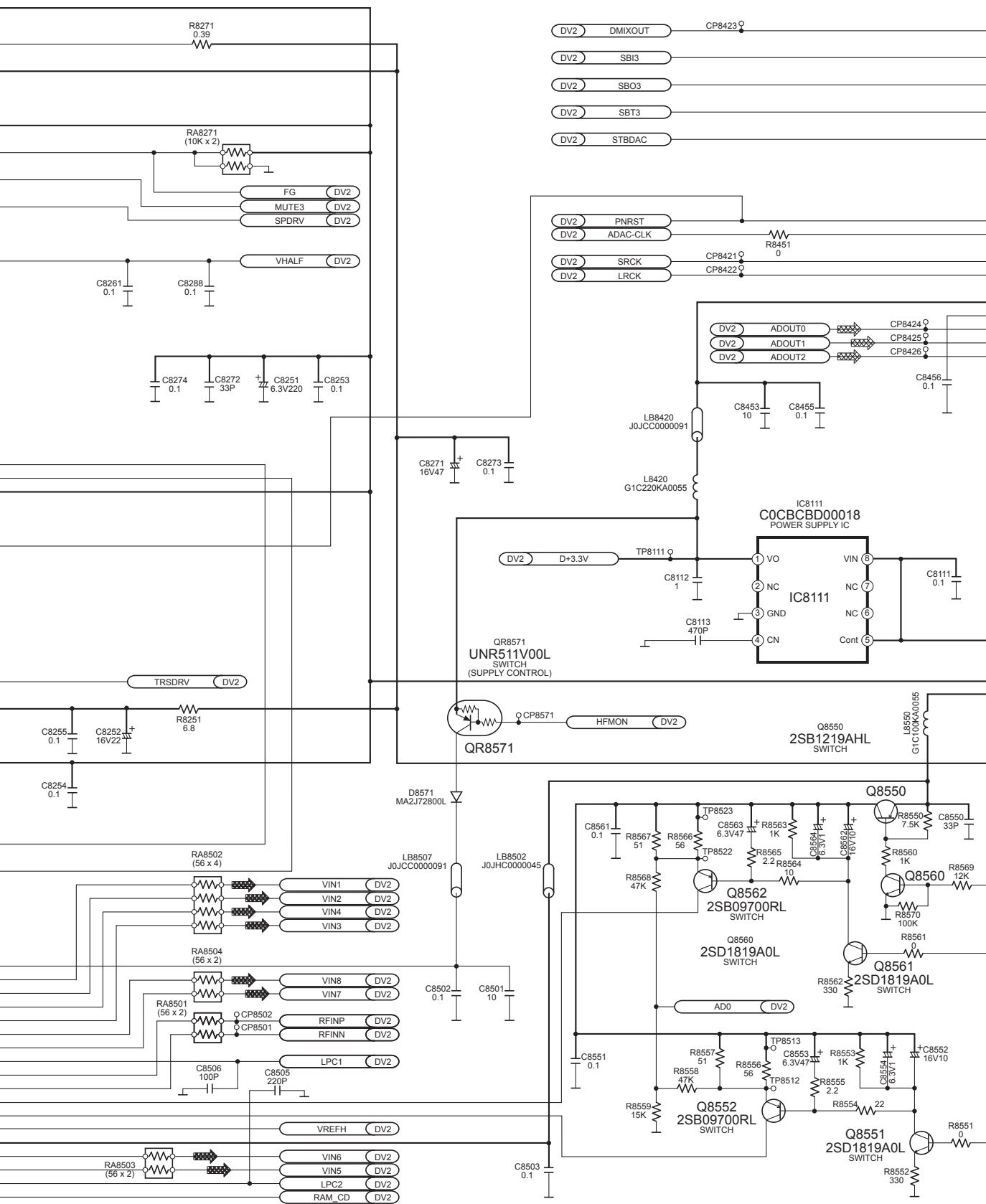
A
TO DVD
MODULE
(IN/OUT)
CIRCUIT
(FP8501) ON
SCHEMATIC
DIAGRAM-2



DVD MODULE (IN/OUT) CIRCUIT

 : DVD AUDIO SIGNAL LINE

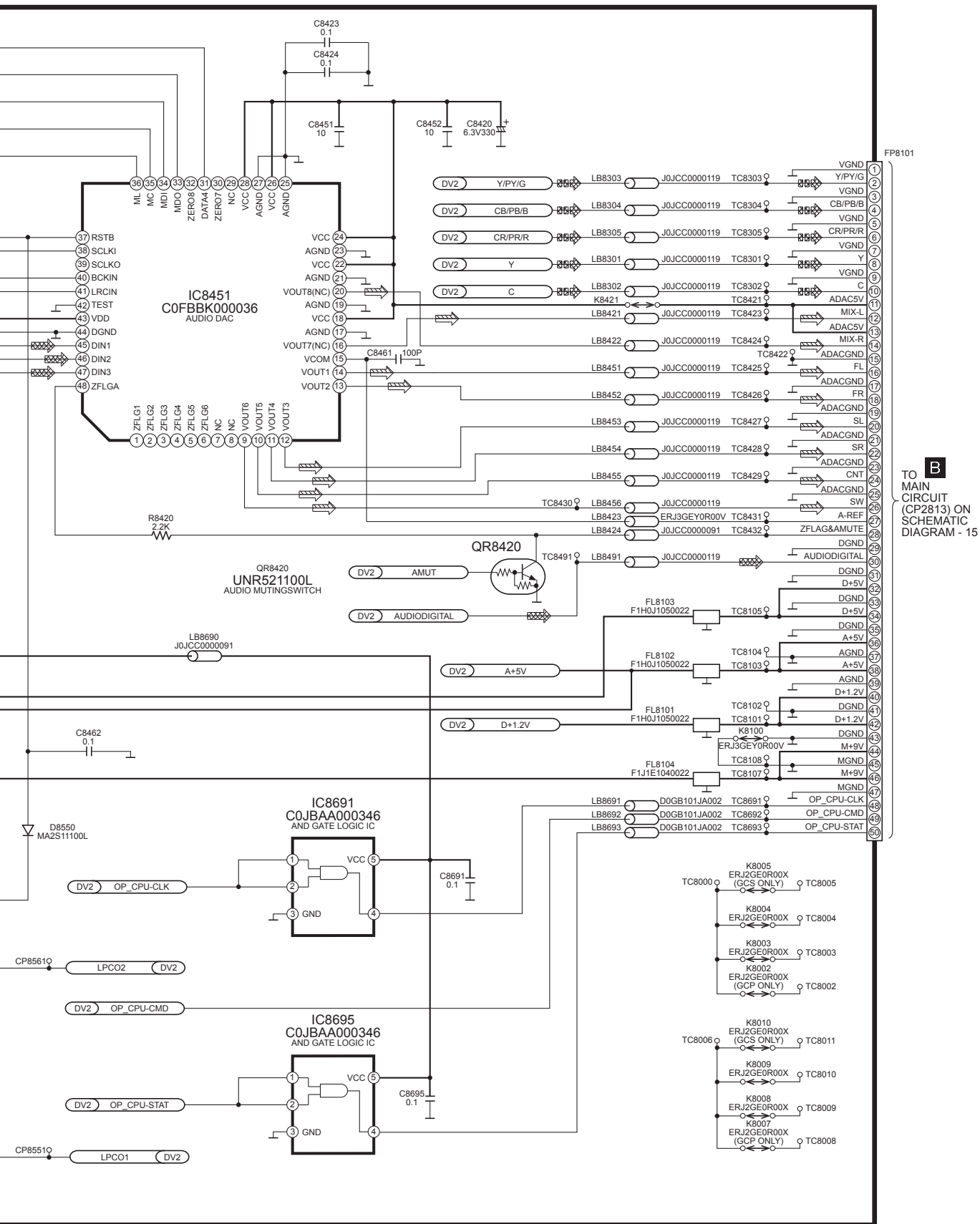
 : +B SIGNAL LINE

 : CD-DA SIGNAL LINE


A DVD MODULE (IN/OUT) CIRCUIT

⇒ : MAIN SIGNAL LINE
— : +B SIGNAL LINE

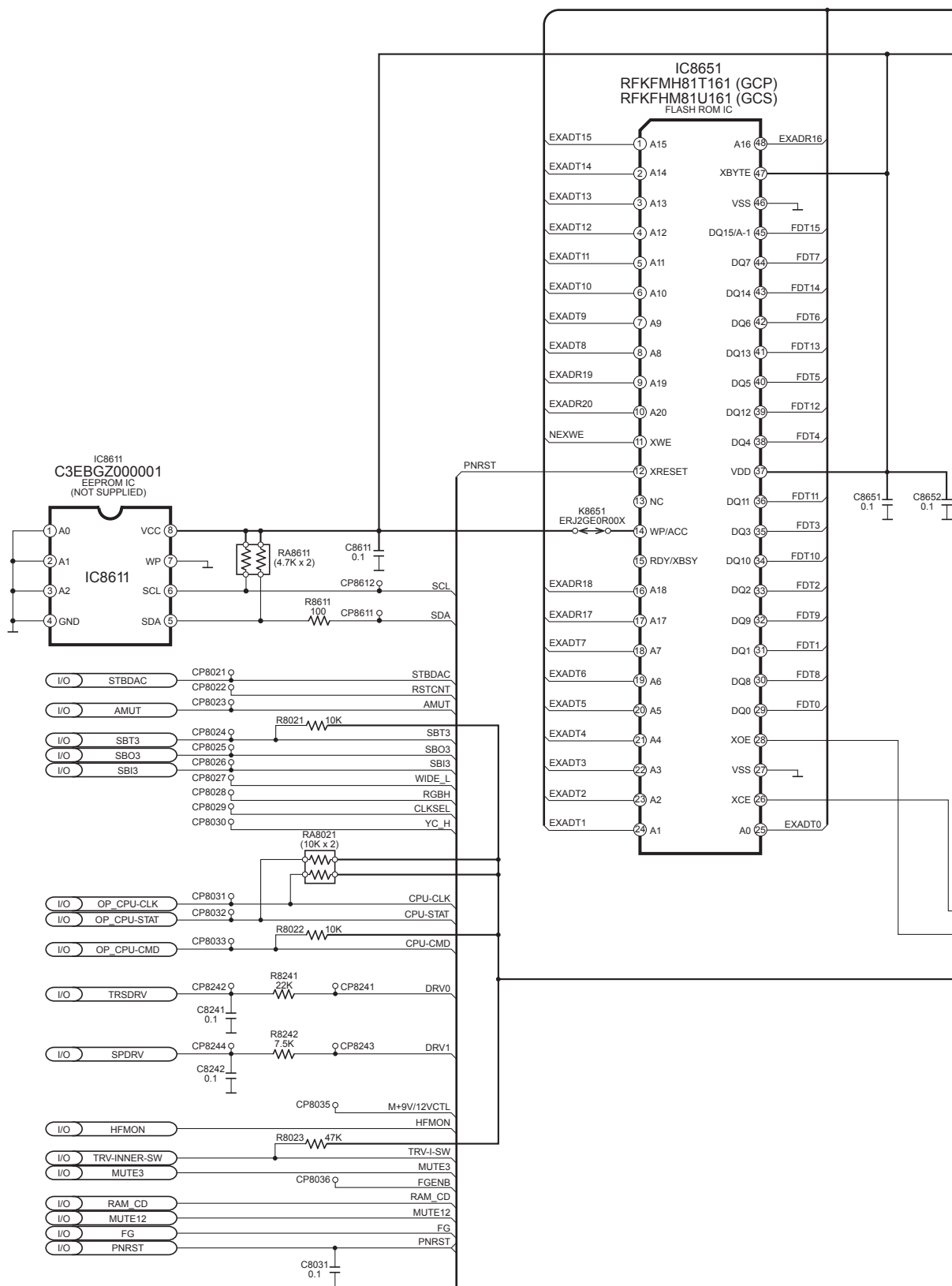
⊞ : DVD AUDIO SIGNAL LINE
⊞ : DVD VIDEO SIGNAL LINE



B
TO MAIN
CIRCUIT
(CP2813) ON
SCHEMATIC
DIAGRAM - 15

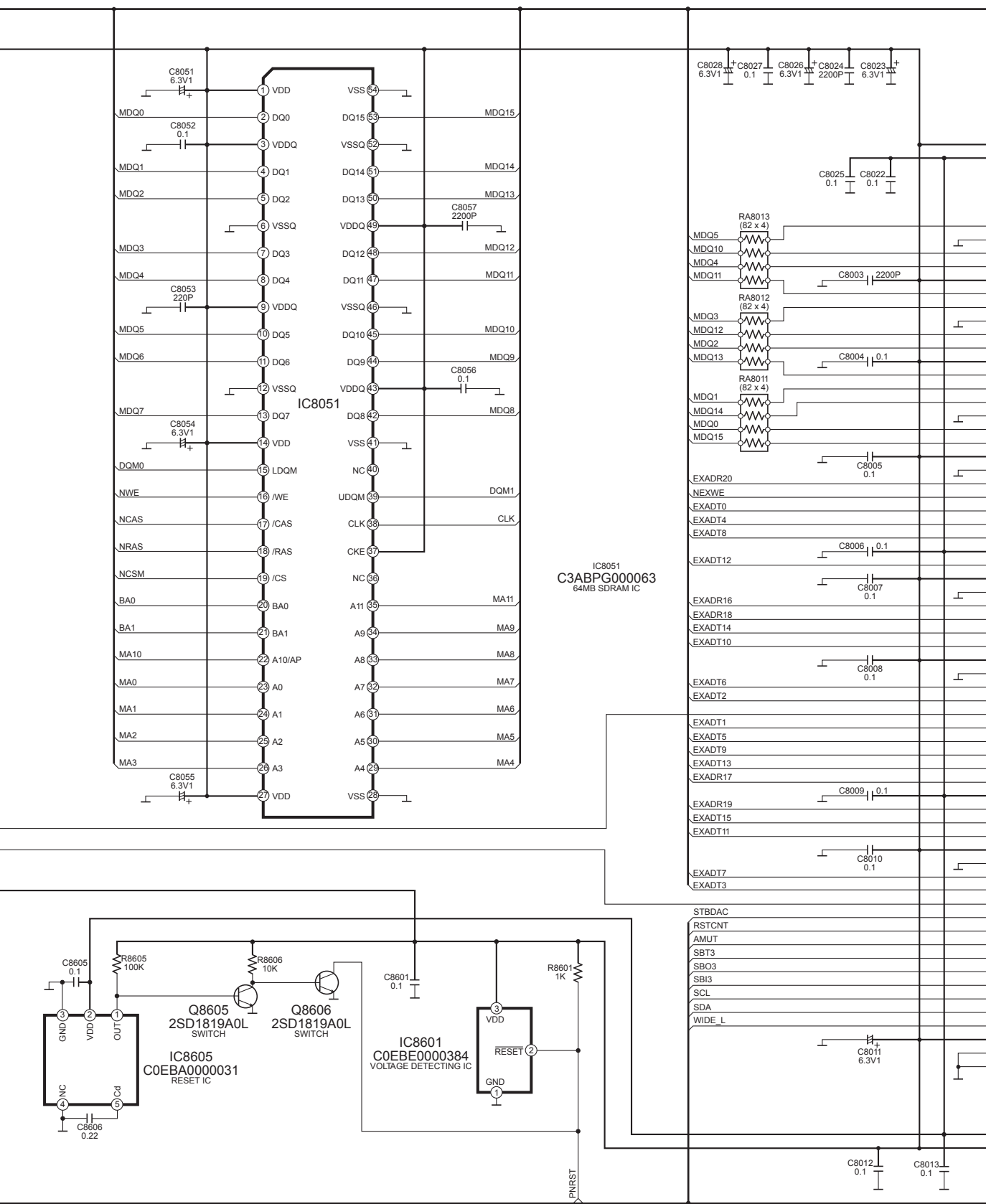
DVD MODULE (DV2) CIRCUIT

— : +B SIGNAL LINE



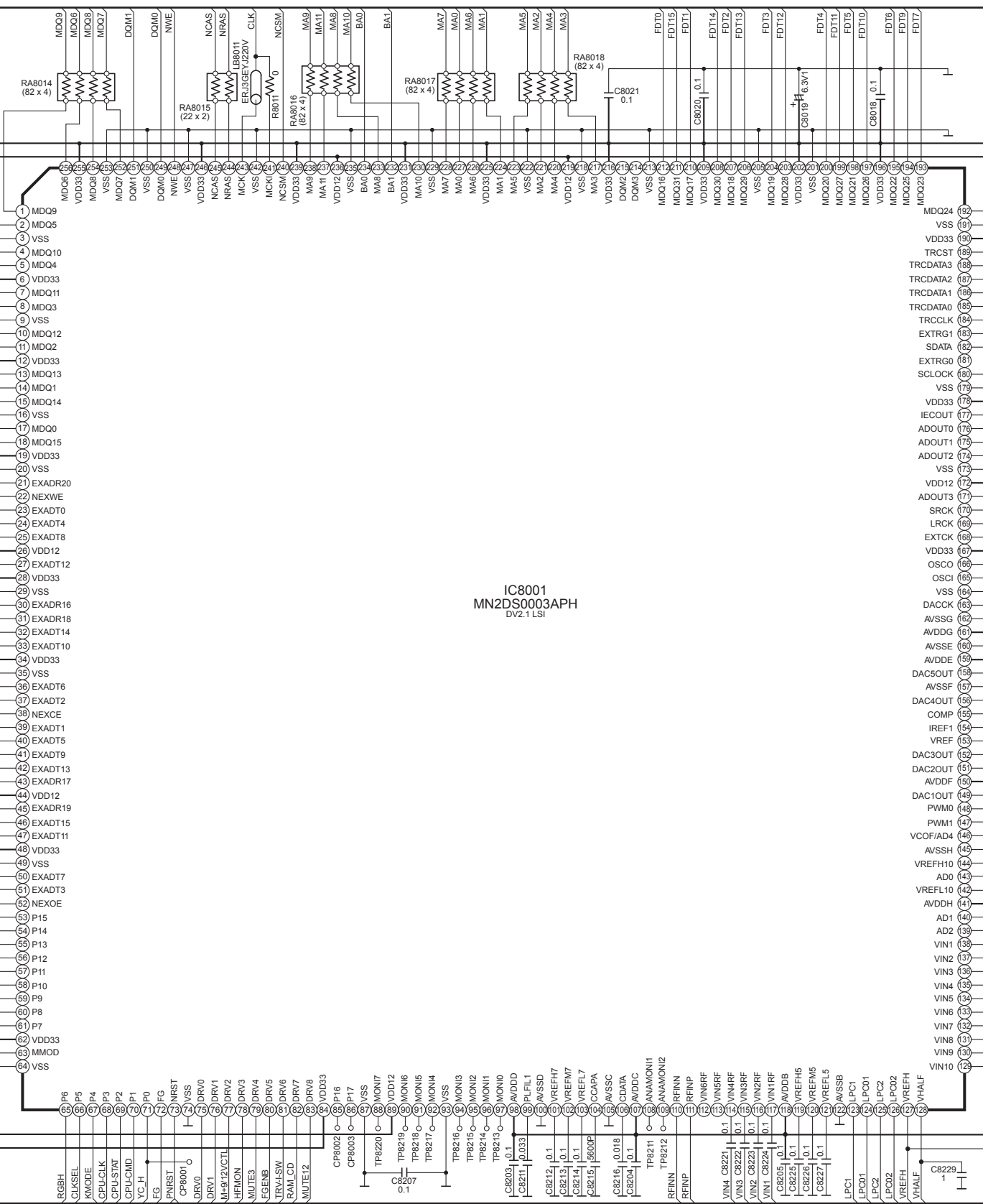
A DVD MODULE (DV2) CIRCUIT

—— : +B SIGNAL LINE



DVD MODULE (DV2) CIRCUIT

: +B SIGNAL LINE

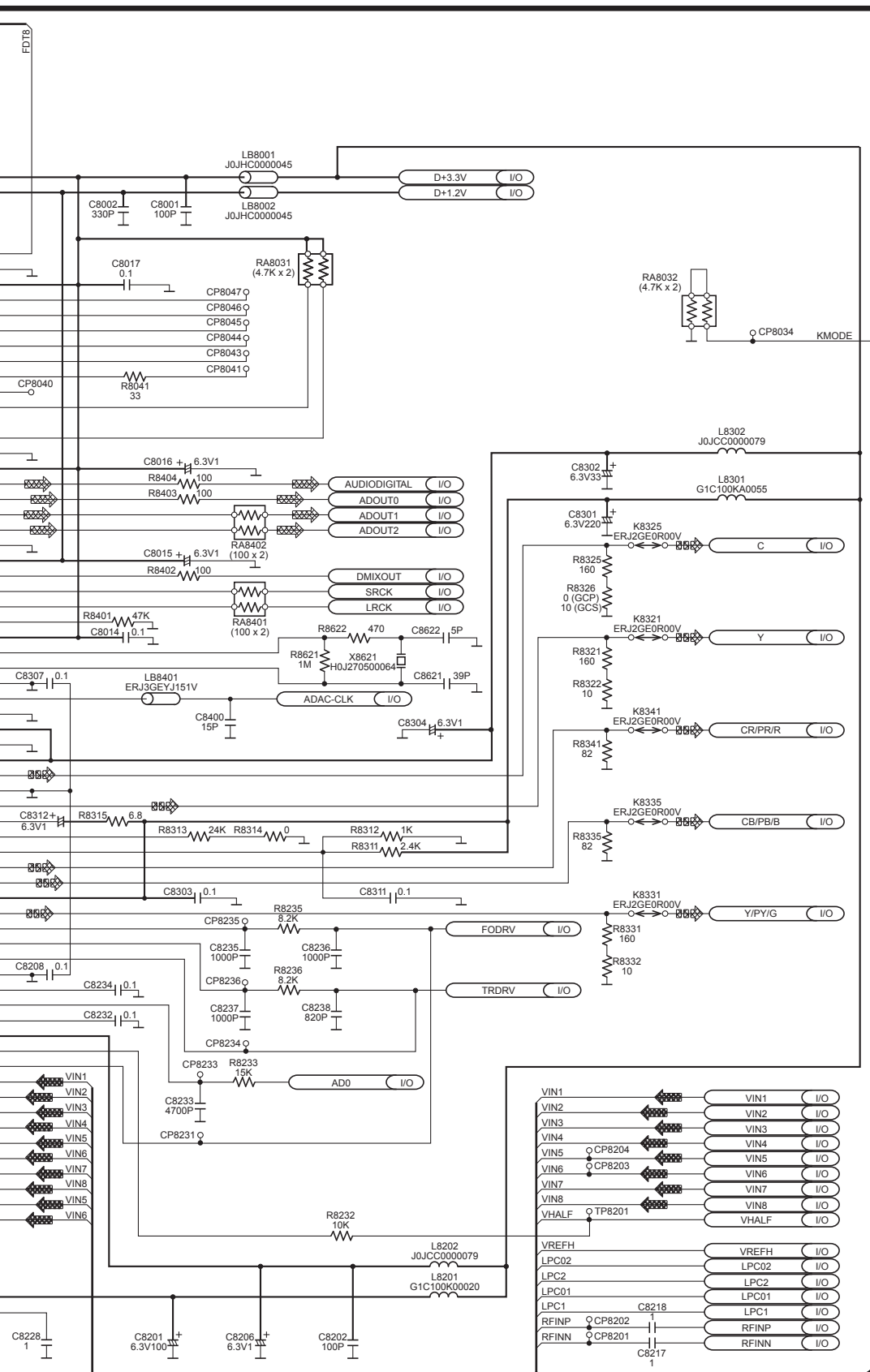


DVD MODULE (DV2) CIRCUIT

 : CD-DA SIGNAL LINE

 : DVD VIDEO SIGNAL LINE

 : +B SIGNAL LINE

 : DVD AUDIO SIGNAL LINE


SCHEMATIC DIAGRAM - 9

B MAIN CIRCUIT

— : +B SIGNAL LINE
 - - - : -B SIGNAL LINE

⏏ : MIC SIGNAL LINE
 ⏏ : AM/FM SIGNAL LINE

⏏ : MAIN SIGNAL LINE
 ⏏ : PLAYBACK SIGNAL LINE
 ⏏ : RECORD SIGNAL LINE

TO TUNER PACK
 (ENG068020F)

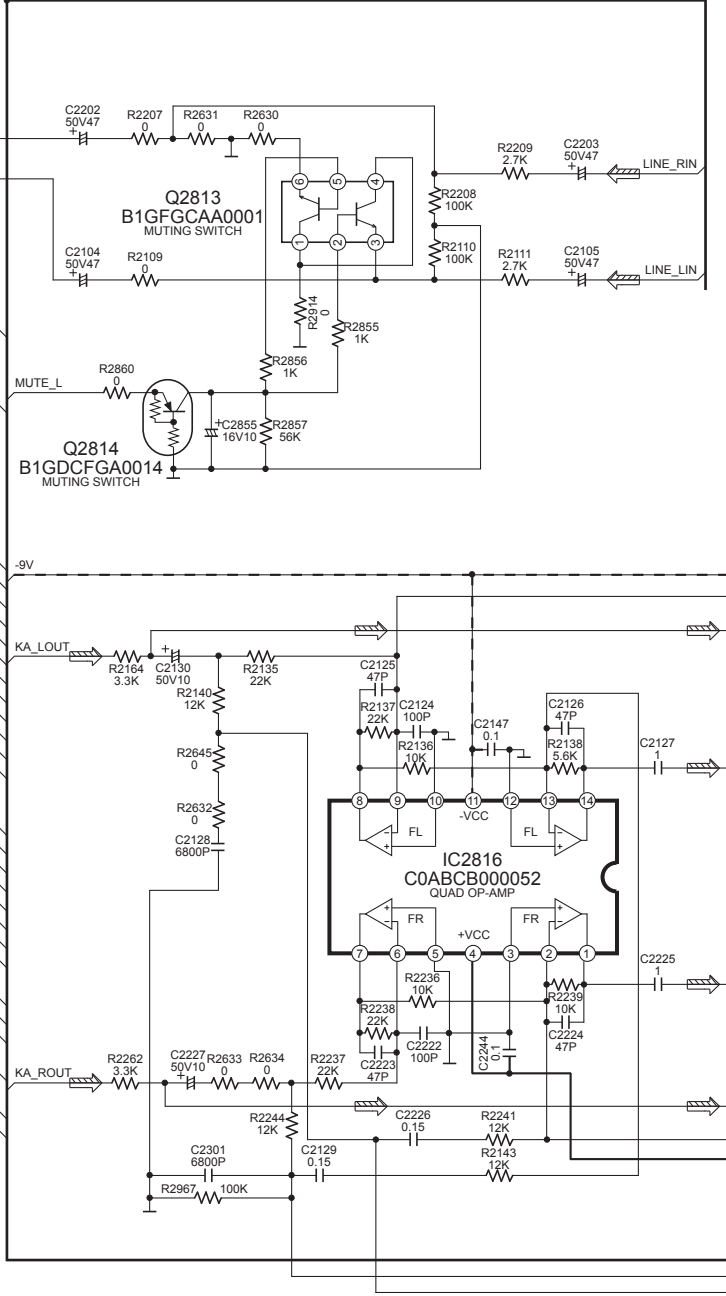
CN2808

LINE OUT

AUX

TO PANEL CIRCUIT
 (CP6801) ON
 SCHEMATIC
 DIAGRAM - 21

CN2811



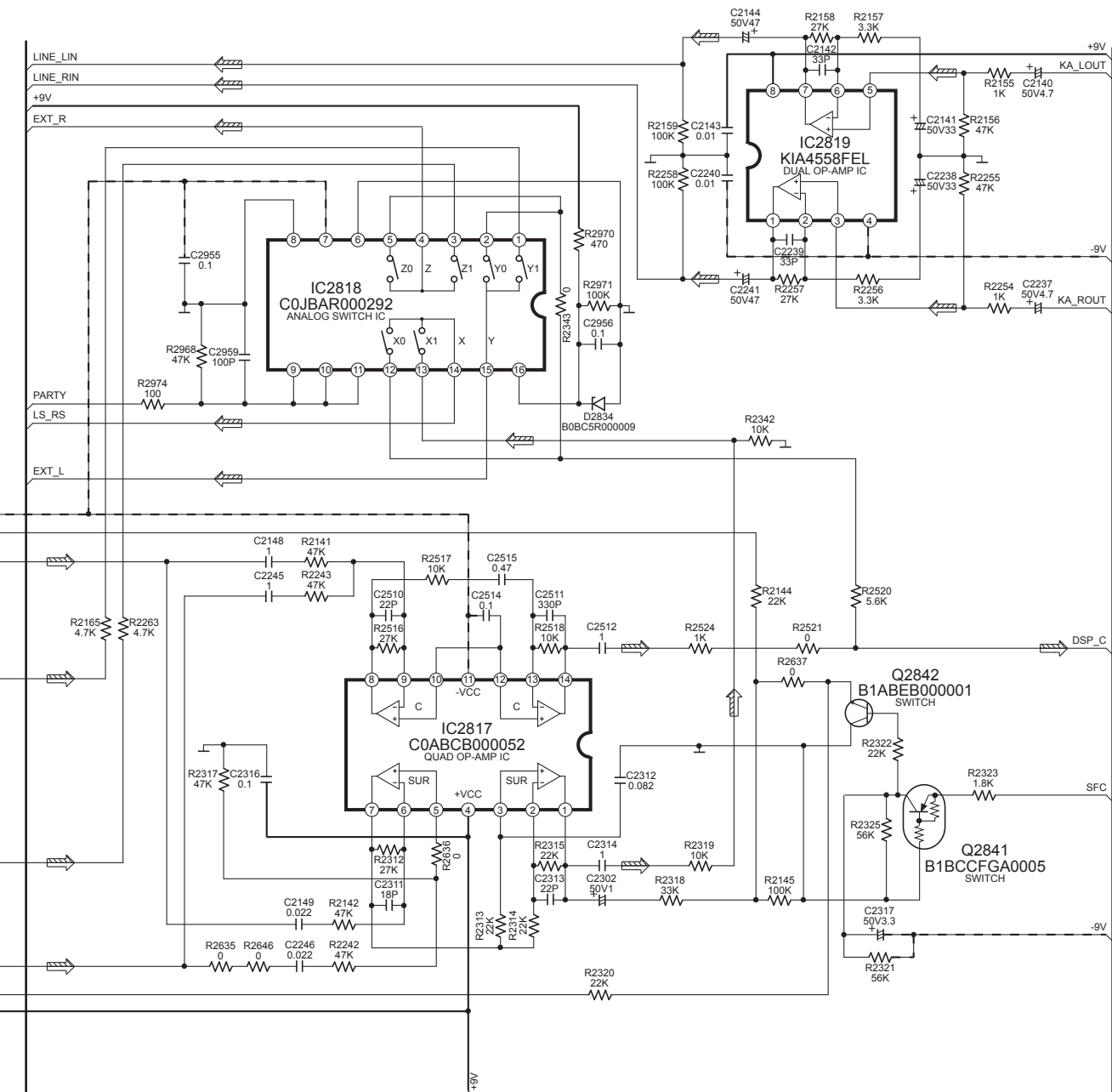
SCHEMATIC DIAGRAM - 10

B MAIN CIRCUIT

— : +B SIGNAL LINE

- - - : -B SIGNAL LINE

⇒ : MAIN SIGNAL LINE



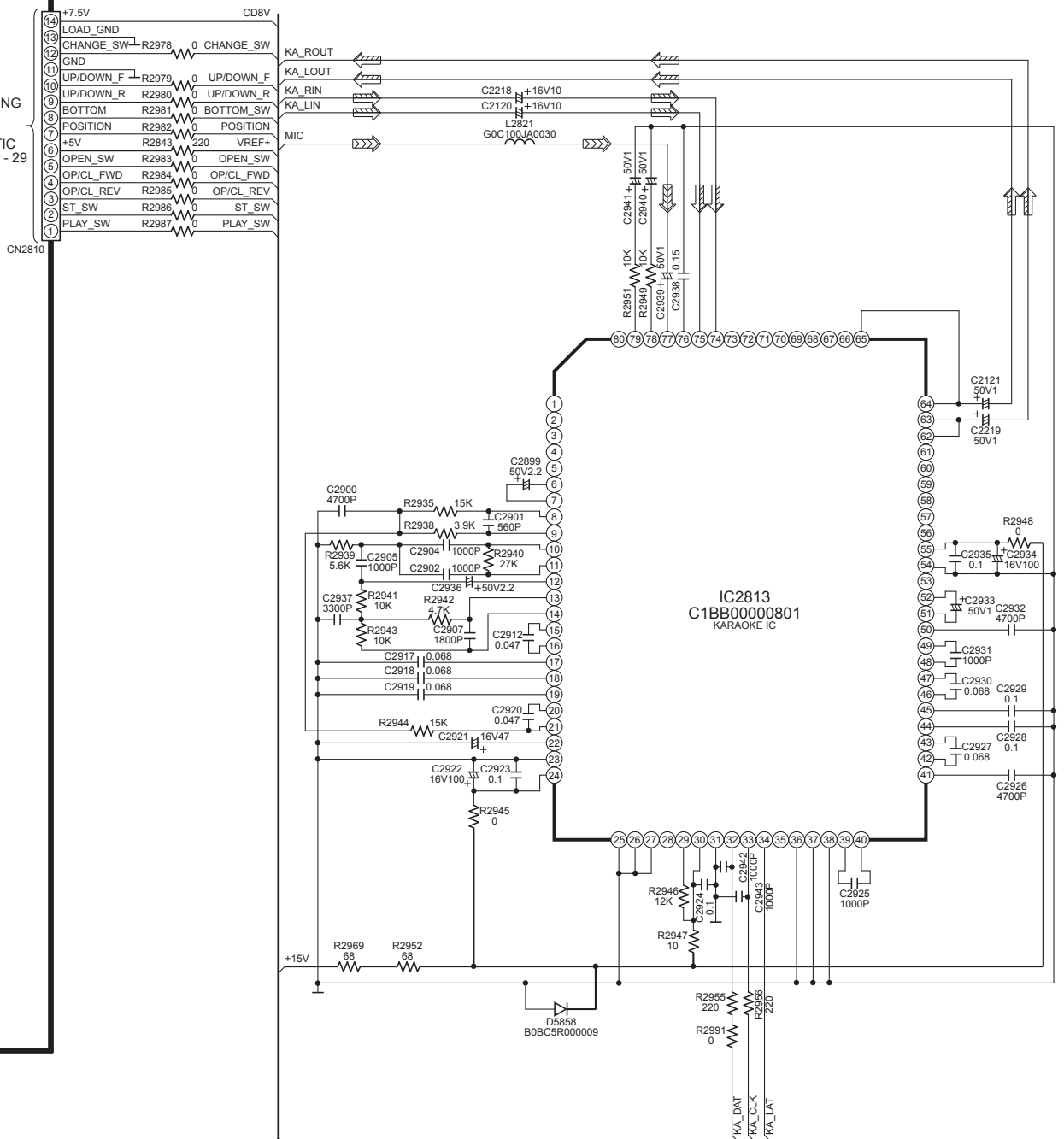
B MAIN CIRCUIT

➡ : MIC SIGNAL LINE

—— : +B SIGNAL LINE

 : MAIN SIGNAL LINE

TO **N**
CD LOADING
CIRCUIT
(CN1) ON
SCHEMATIC
DIAGRAM - 29



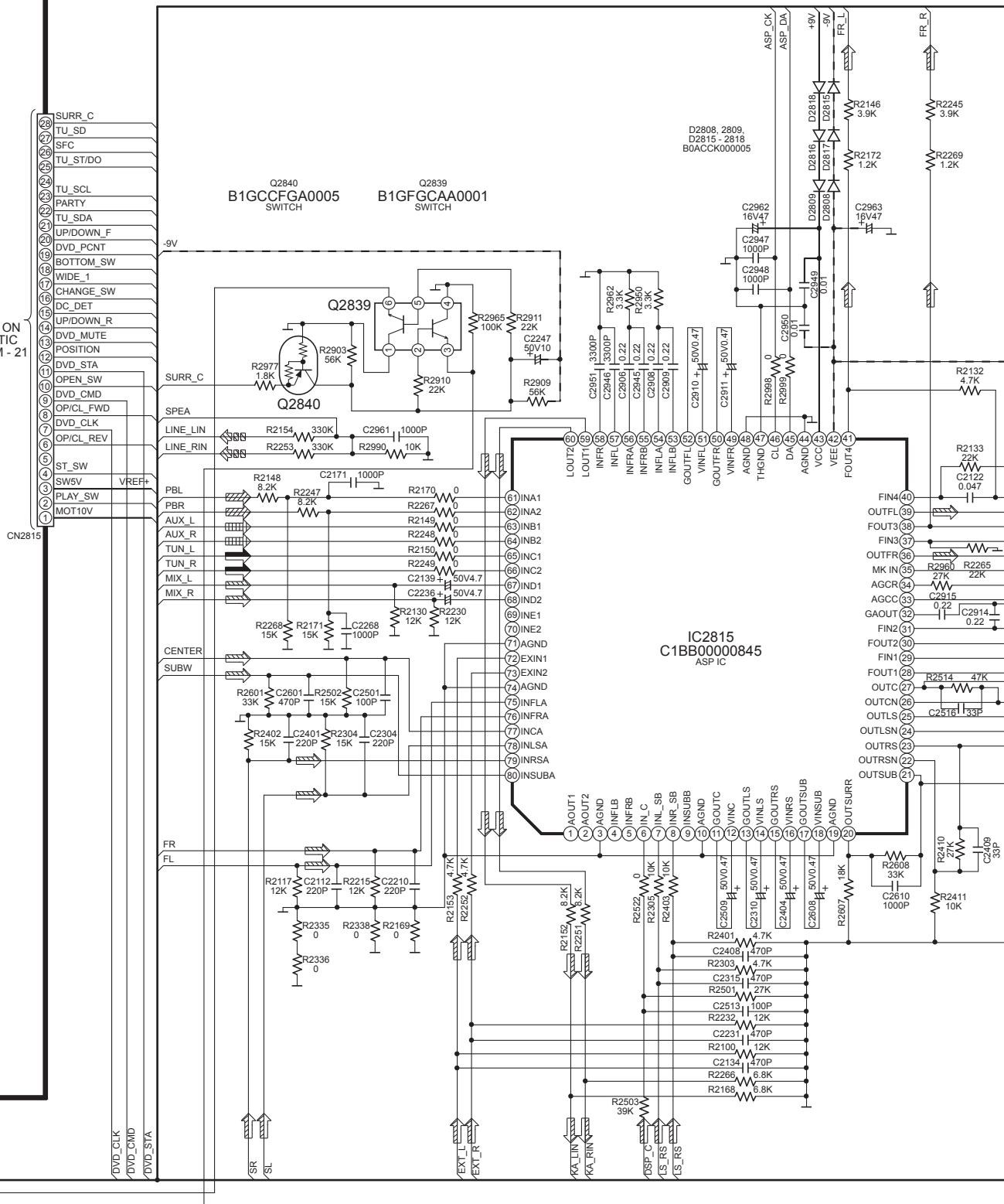
B MAIN CIRCUIT

— — — : -B SIGNAL LINE

➡ : AM/FM SIGNAL LINE

 : PLAYBACK SIGNAL LINE

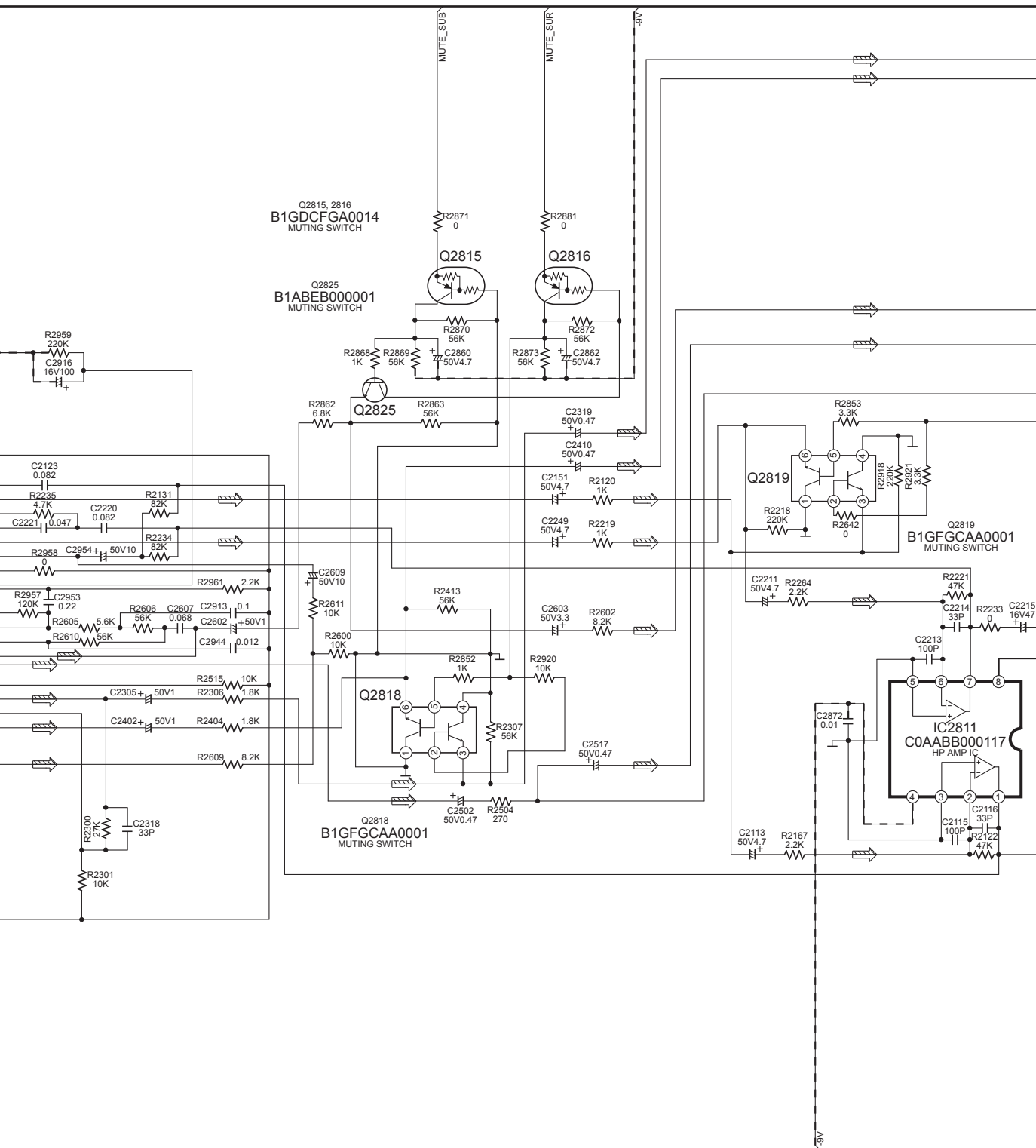
 : RECORD SIGNAL LINE



B

—— : +B SIGNAL LINE

— — — : -B SIGNAL LINE  : MAIN SIGNAL LINE



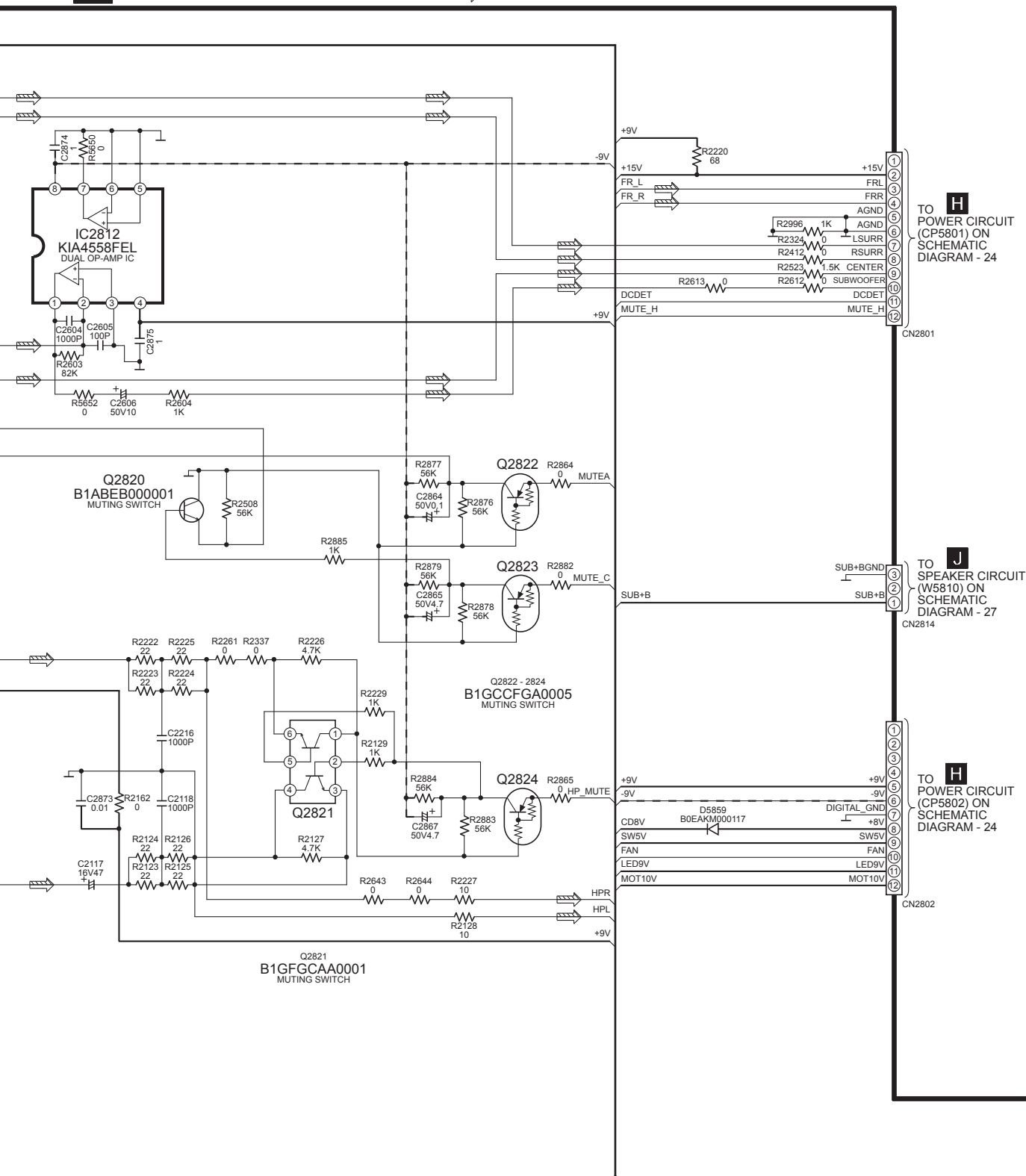
SCHEMATIC DIAGRAM - 14

B

MAIN CIRCUIT

— : +B SIGNAL LINE

- - - : -B SIGNAL LINE ➡ : MAIN SIGNAL LINE

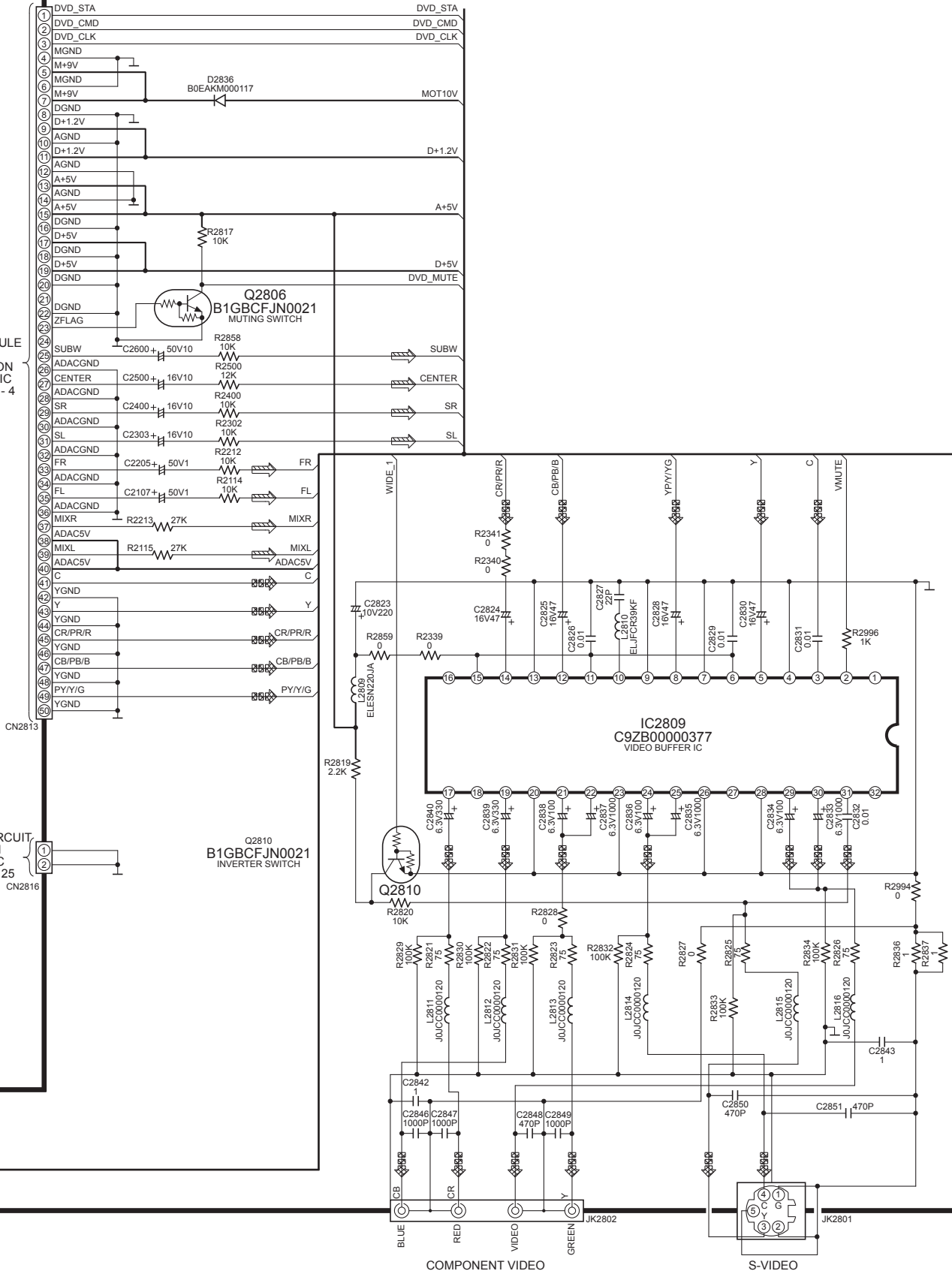


B MAIN CIRCUIT

DVD VIDEO SIGNAL LINE

: +B SIGNAL LINE

: MAIN SIGNAL LINE

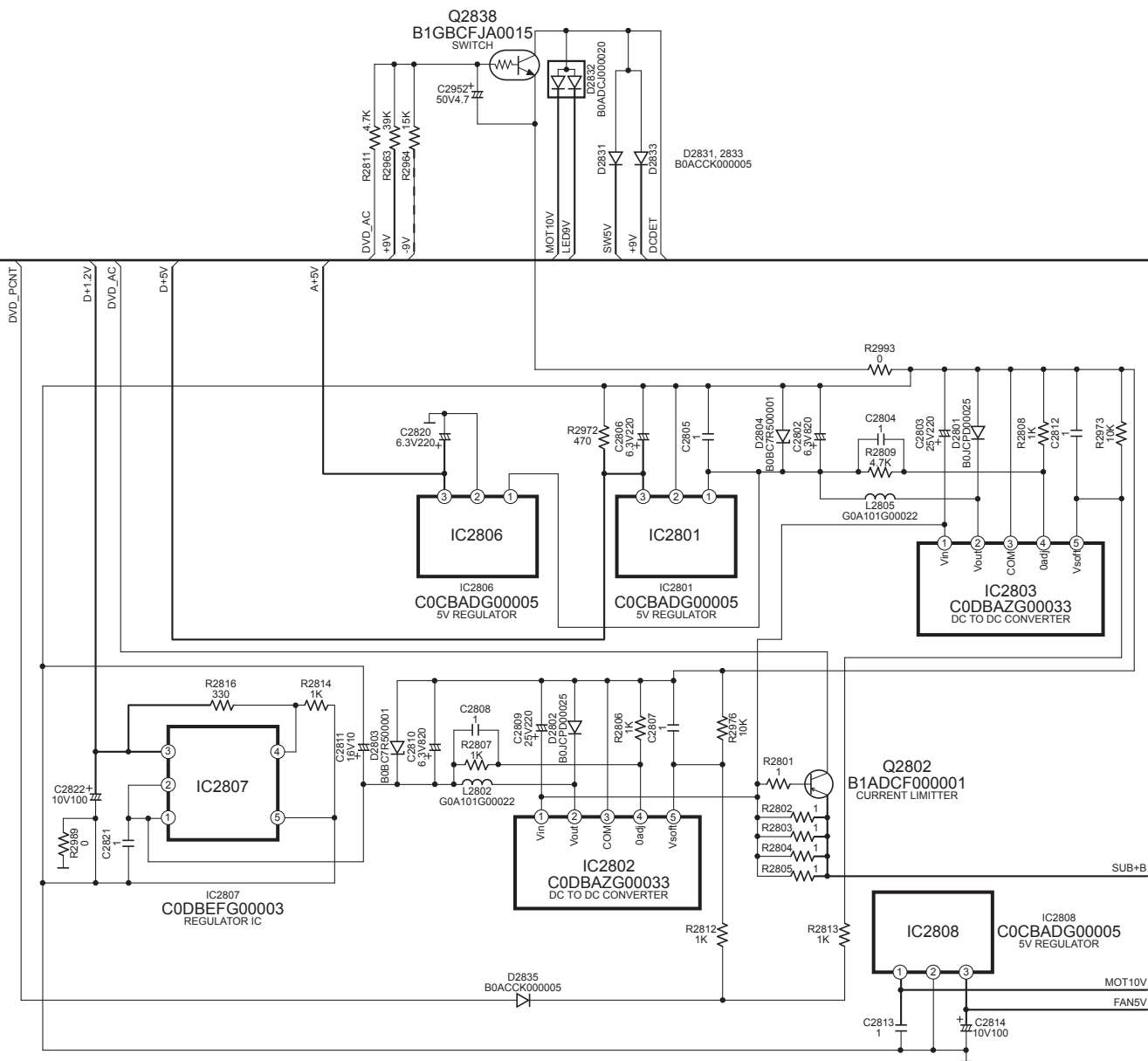
TO DVD MODULE
CIRCUIT
(FP8101) ON
SCHEMATIC
DIAGRAM - 4TO POWER CIRCUIT
(W5811) ON
SCHEMATIC
DIAGRAM - 25

COMPONENT VIDEO

S-VIDEO

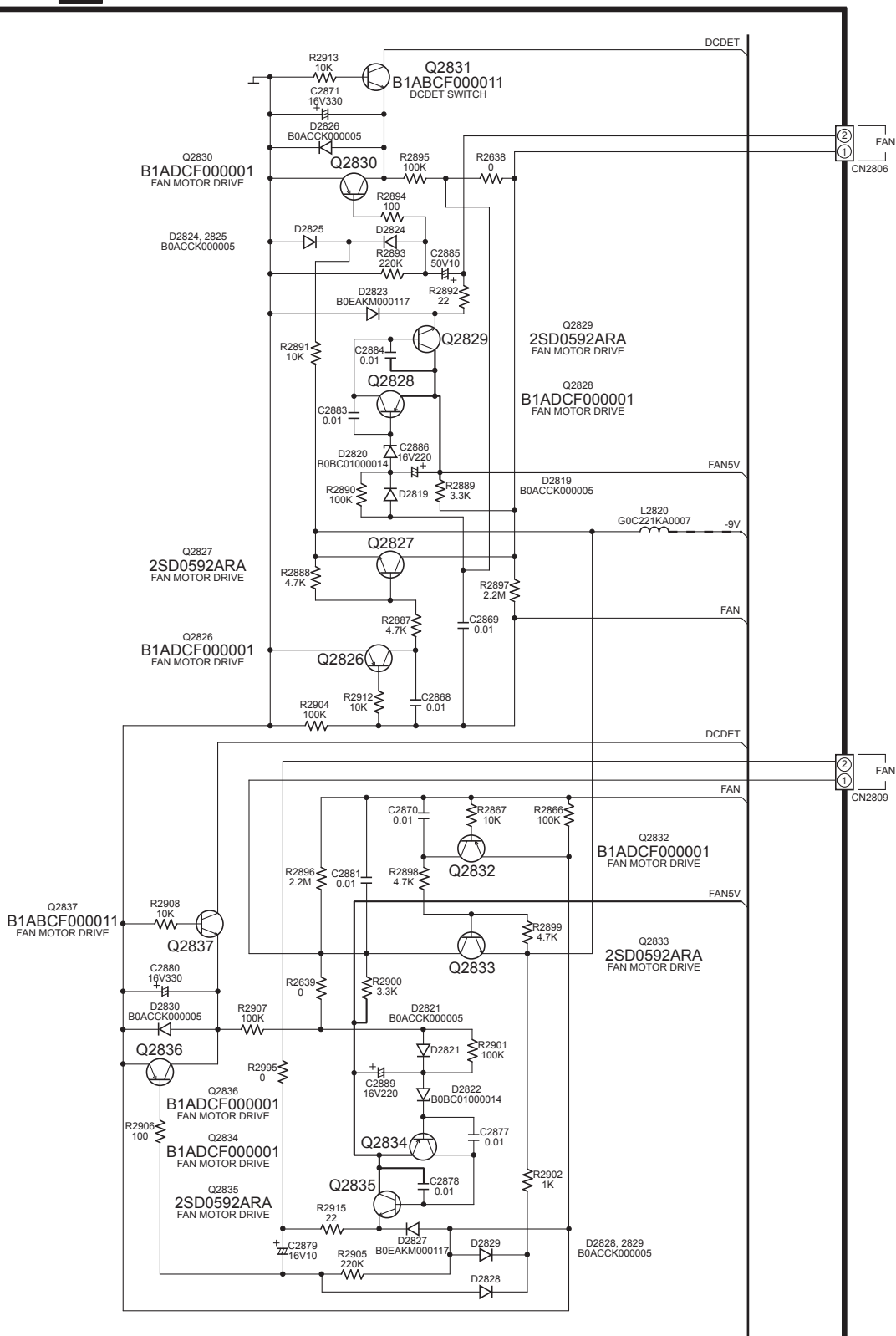
— : +B SIGNAL LINE

- - - : -B SIGNAL LINE



B

—— : +B SIGNAL LINE
- - - : -B SIGNAL LINE



C PANEL CIRCUIT

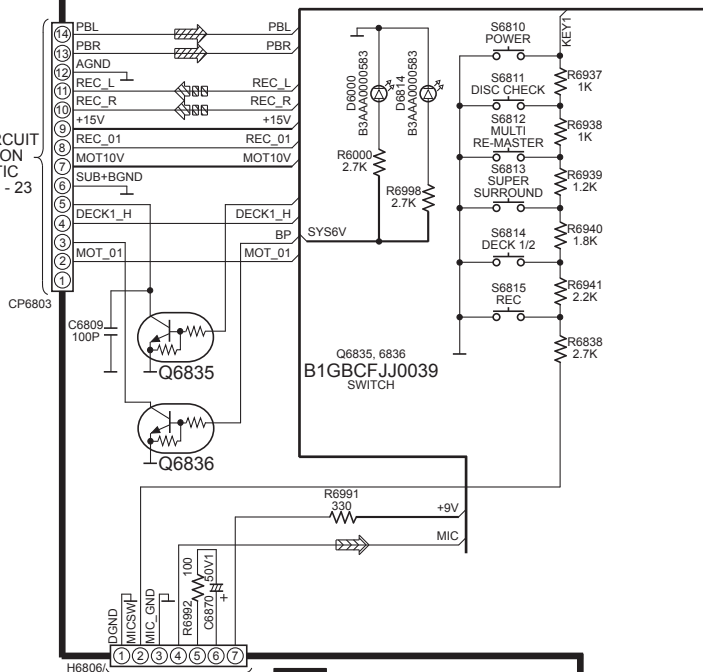
— : +B SIGNAL LINE
- - - : -B SIGNAL LINE

 : TAPE PLAYBACK SIGNAL LINE

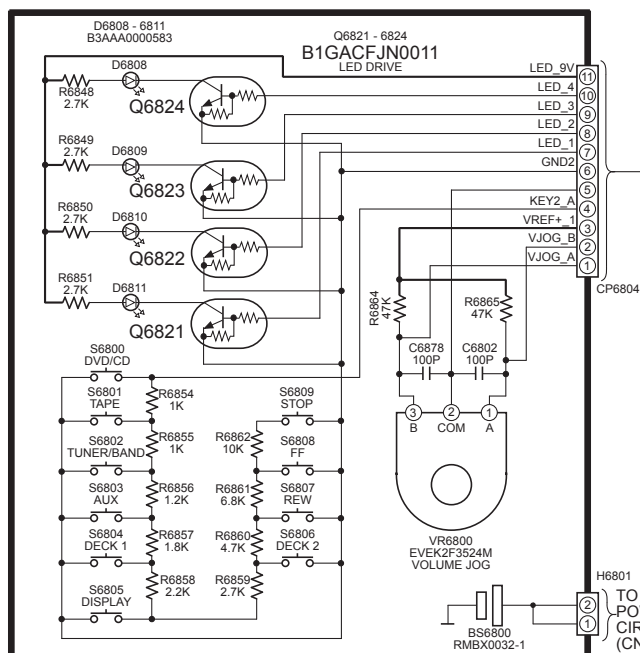
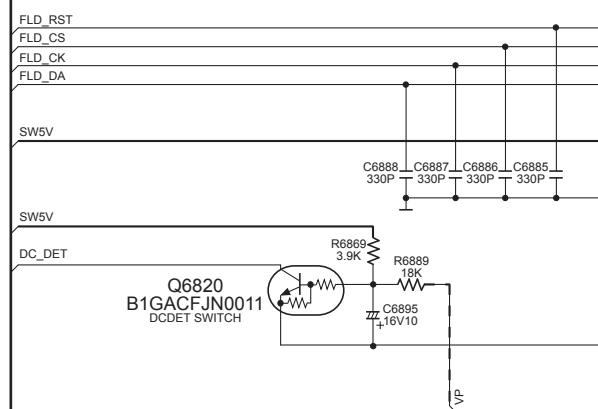
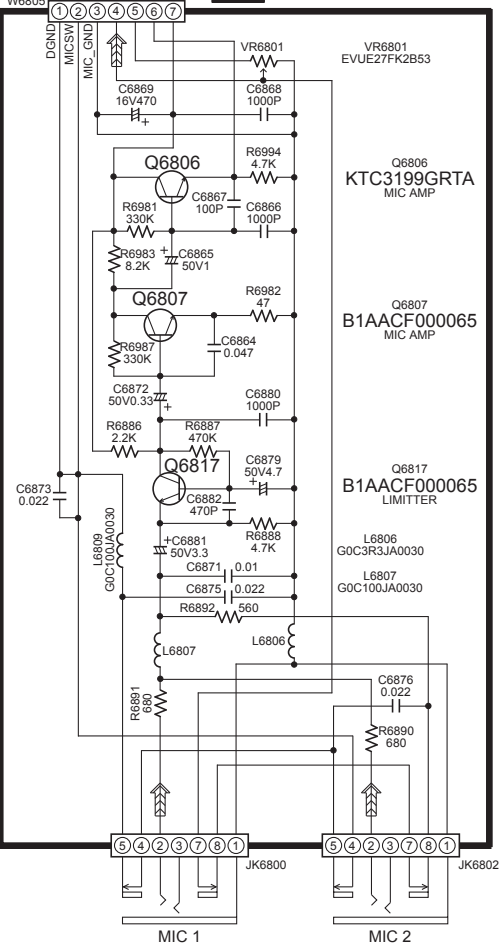
 : TAPE RECORD SIGNAL LINE

⇒ : MIC SIGNAL LINE

TO **F**
DECK CIRCUIT
(CN1001) ON -
SCHEMATIC
DIAGRAM - 23

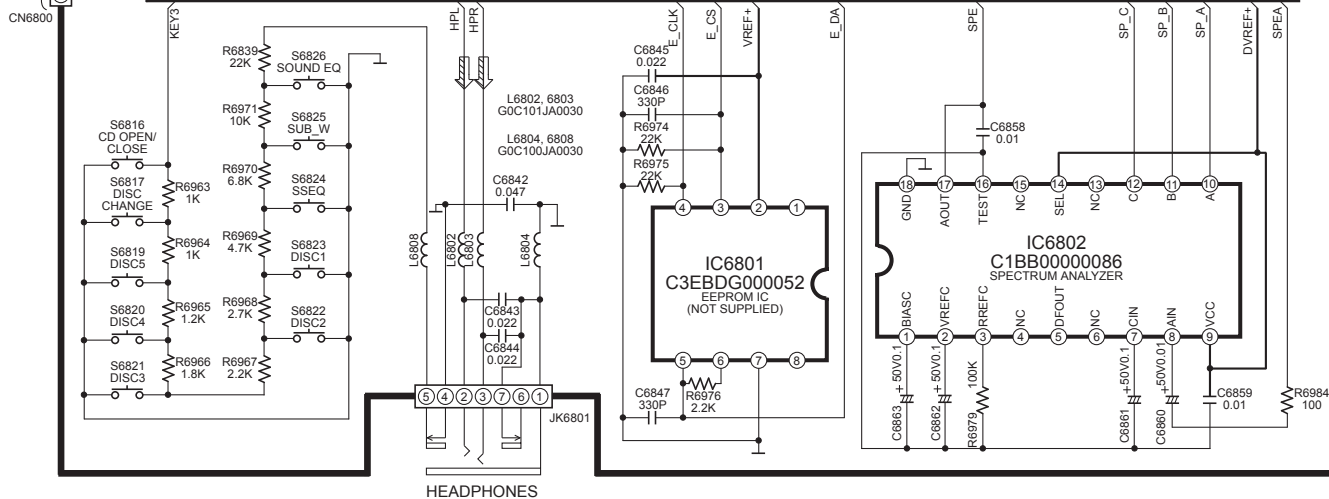
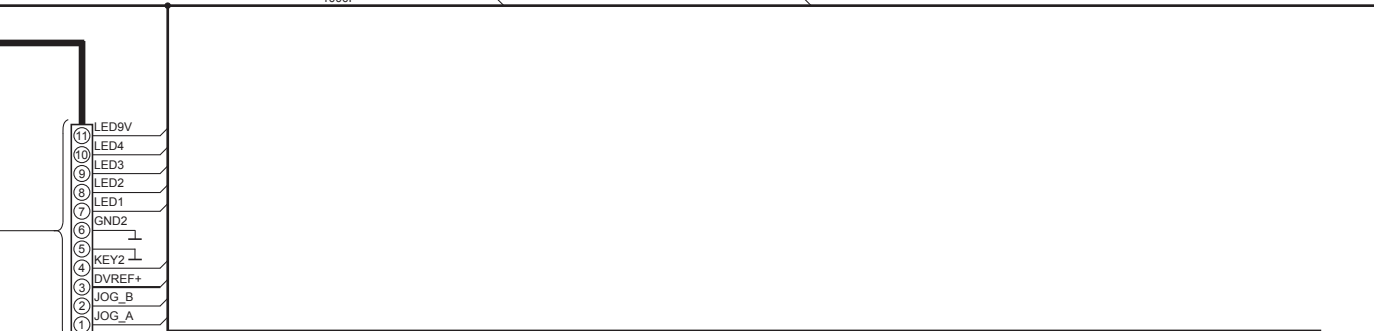


D MIC CIRCUIT



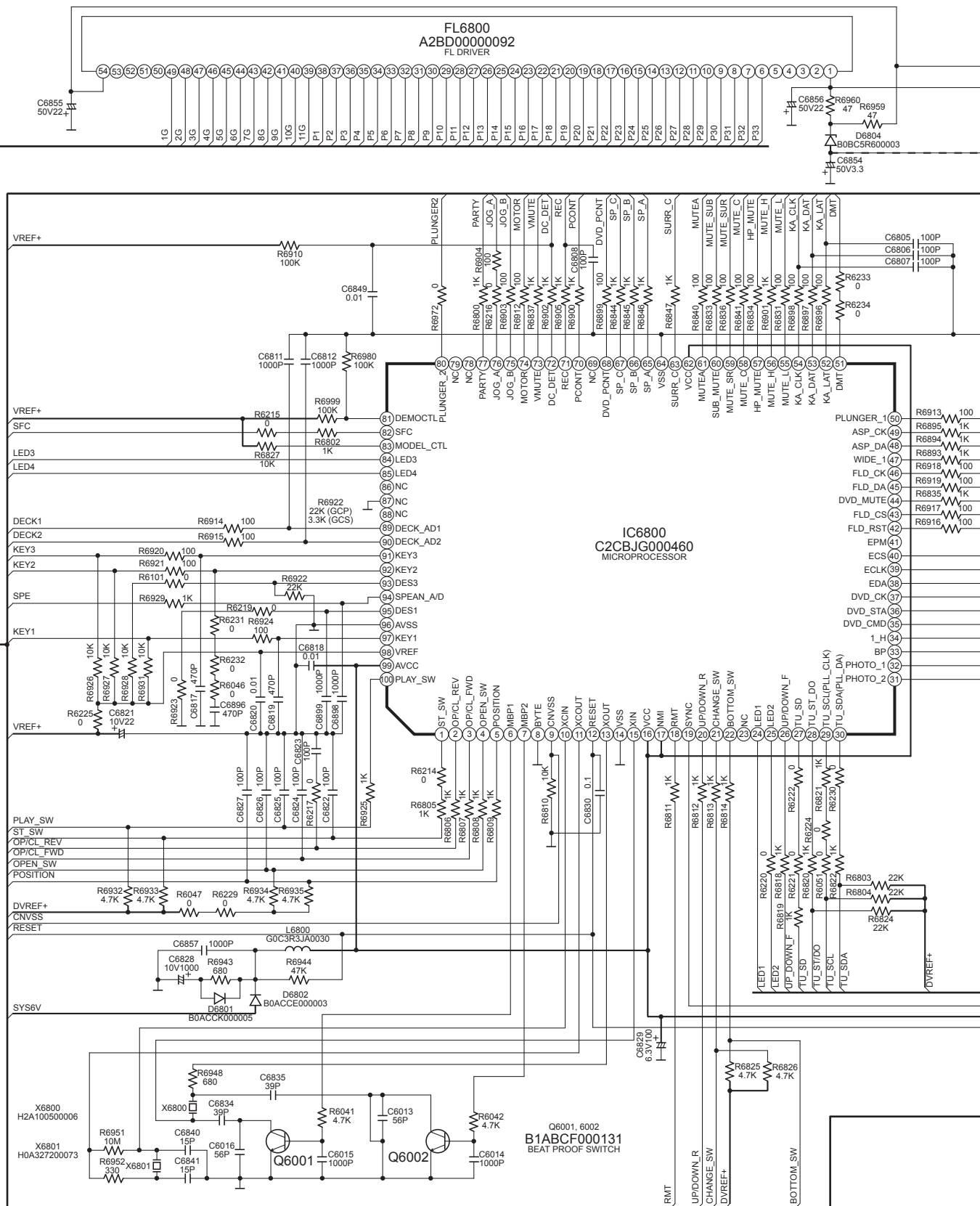
FACT SWITCH CIRCUIT

6801 
TO
POWER
CIRCUIT
(CN5801) ON
SCHEMATIC
DIAGRAM - 25

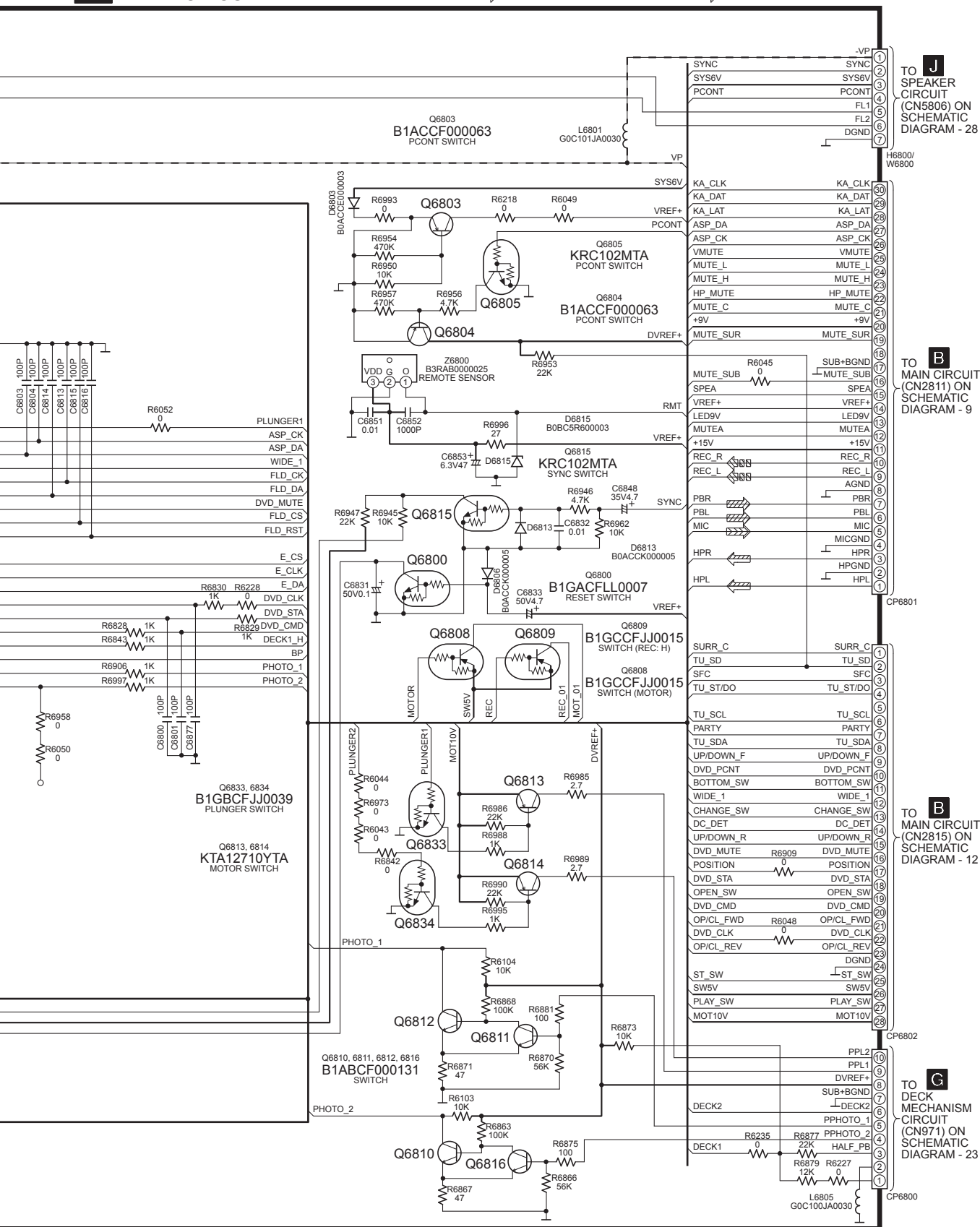


—— : +B SIGNAL LINE

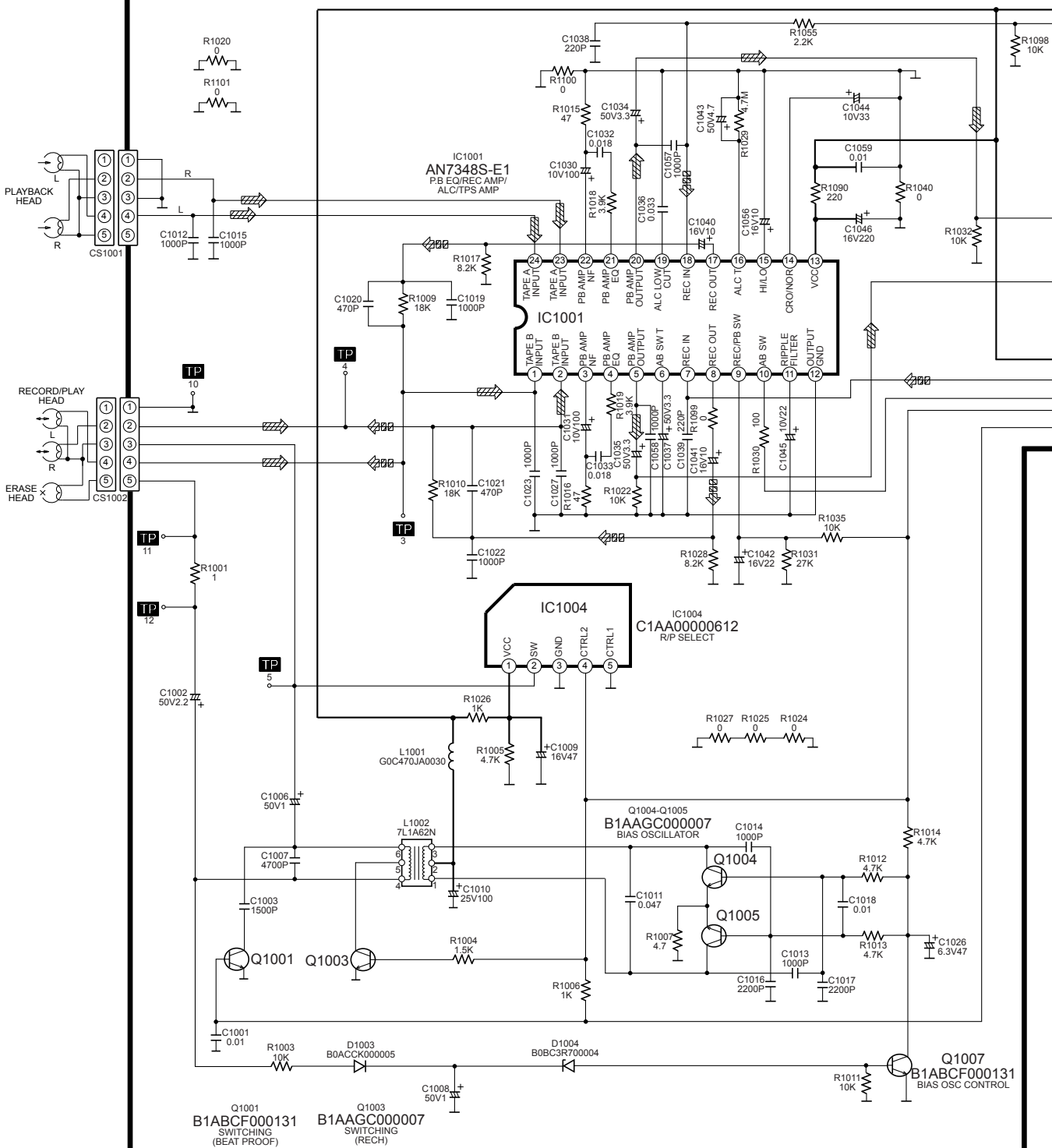
— — — : -B SIGNAL LINE

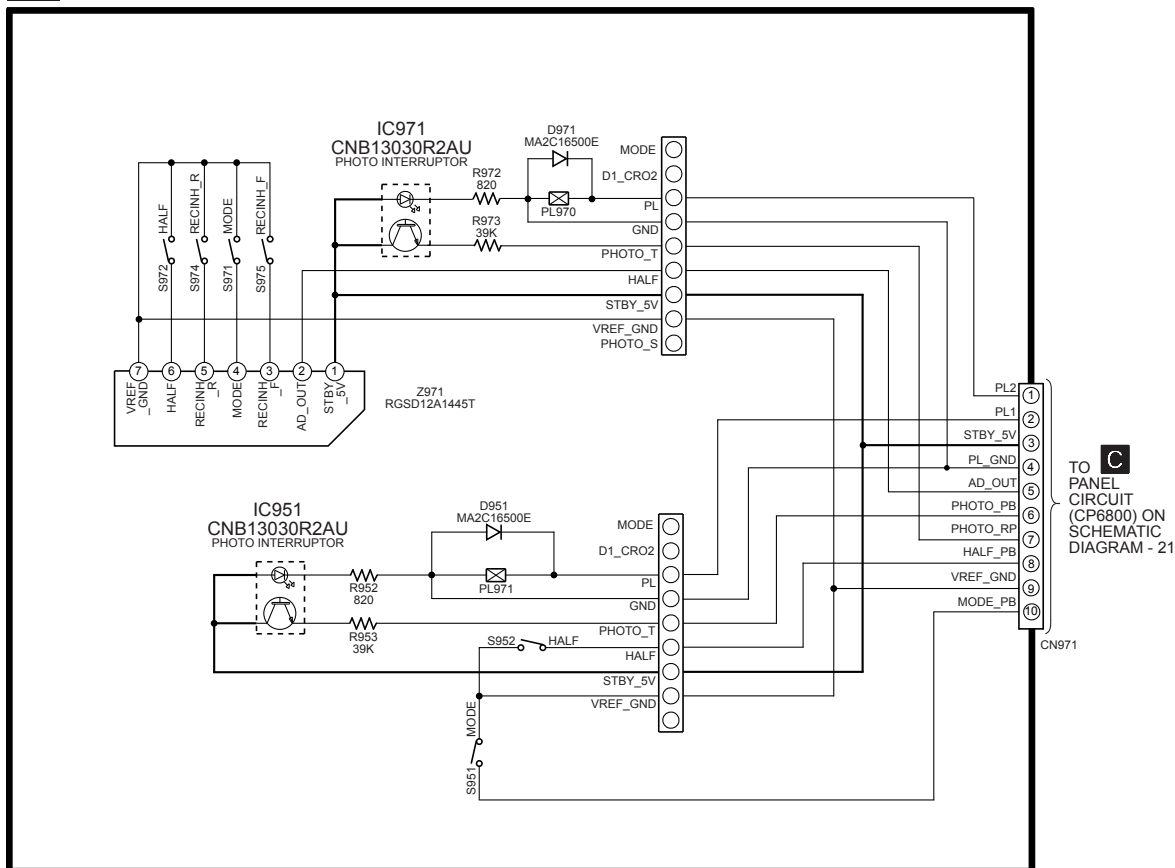


 : MAIN SIGNAL LINE
 : MIC SIGNAL LINE



F





POWER CIRCUIT

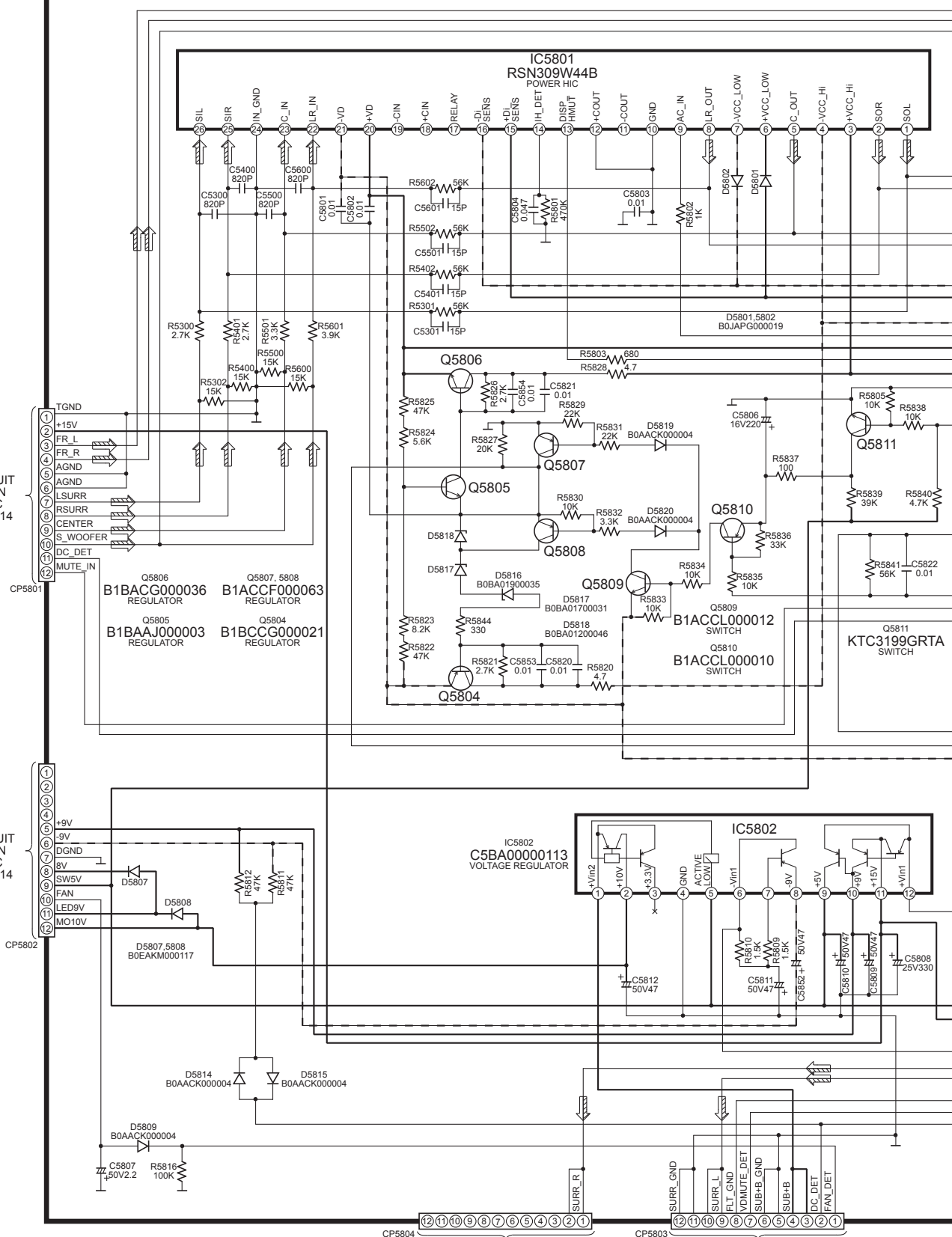
— : +B SIGNAL LINE

- - - : -B SIGNAL LINE

⇒ : MAIN SIGNAL LINE

TO MAIN CIRCUIT
(CN2801) ON
SCHEMATIC
DIAGRAM - 14

TO MAIN CIRCUIT
(CN2802) ON
SCHEMATIC
DIAGRAM - 14

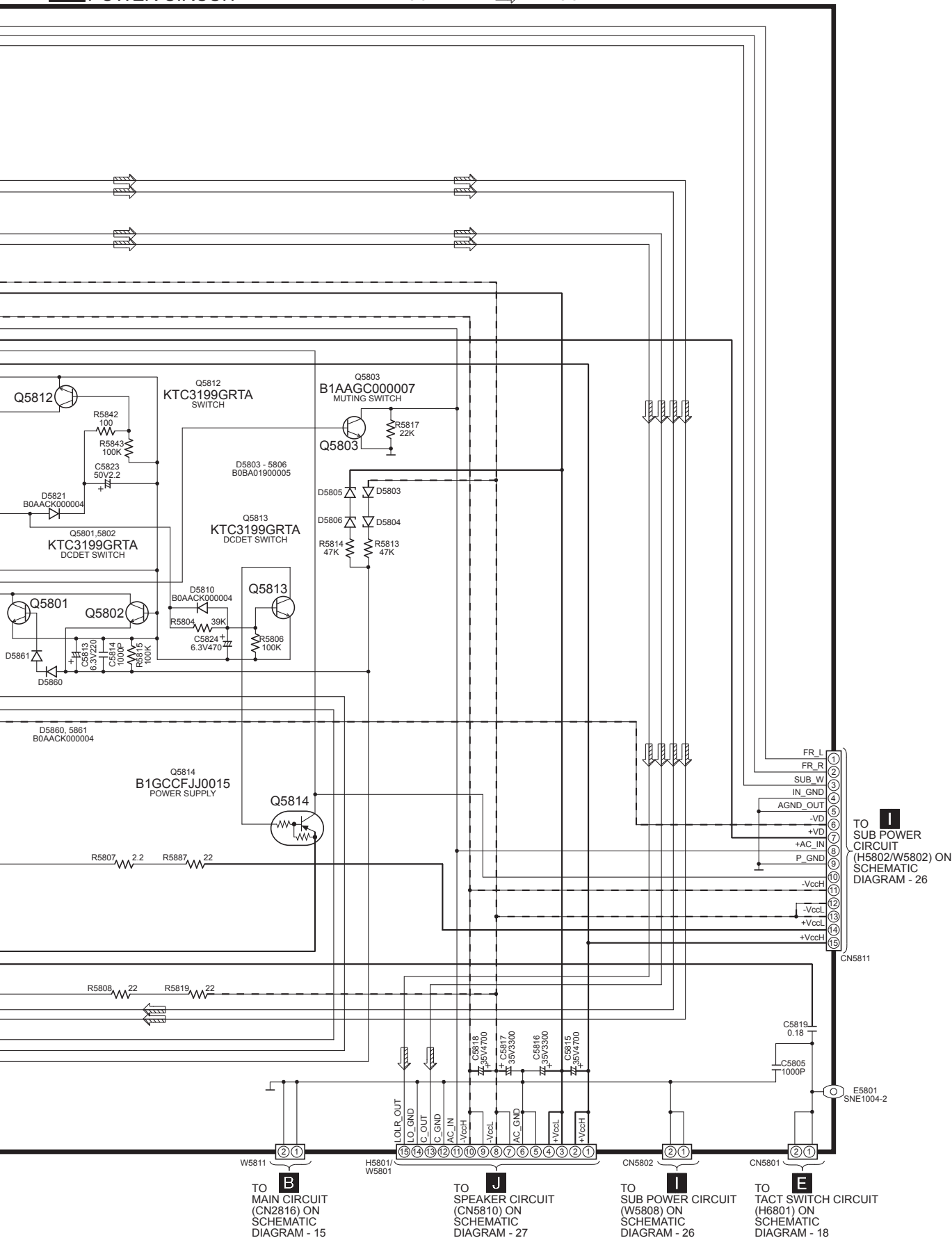


TO SPEAKER CIRCUIT
(CN5809) ON
SCHEMATIC
DIAGRAM - 27

TO SPEAKER CIRCUIT
(CN5808) ON
SCHEMATIC
DIAGRAM - 27

POWER CIRCUIT

— : +B SIGNAL LINE
 - - - : -B SIGNAL LINE ⇨ : MAIN SIGNAL LINE



SUB POWER CIRCUIT

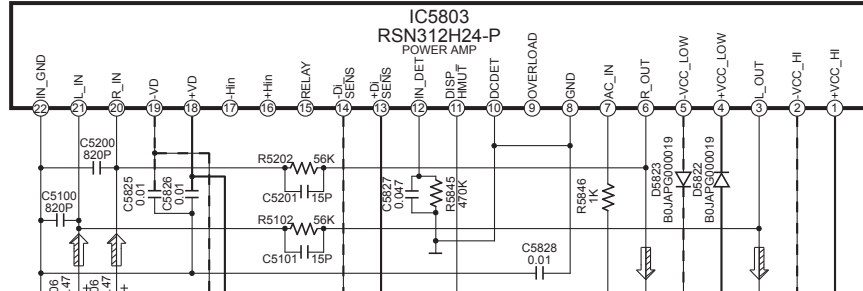
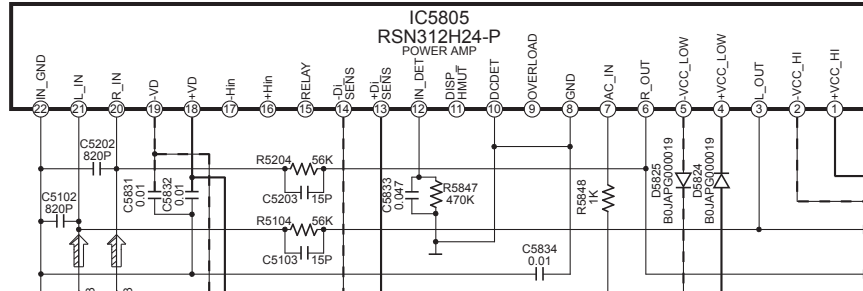
— : +B SIGNAL LINE

- - - : -B SIGNAL LINE

⇒ : MAIN SIGNAL LINE

TO POWER CIRCUIT (CN5811) ON SCHEMATIC DIAGRAM - 25

TO POWER CIRCUIT (CN5802) ON SCHEMATIC DIAGRAM - 25



H5803/
W5803

TO SPEAKER CIRCUIT (CN5807) ON SCHEMATIC DIAGRAM - 28

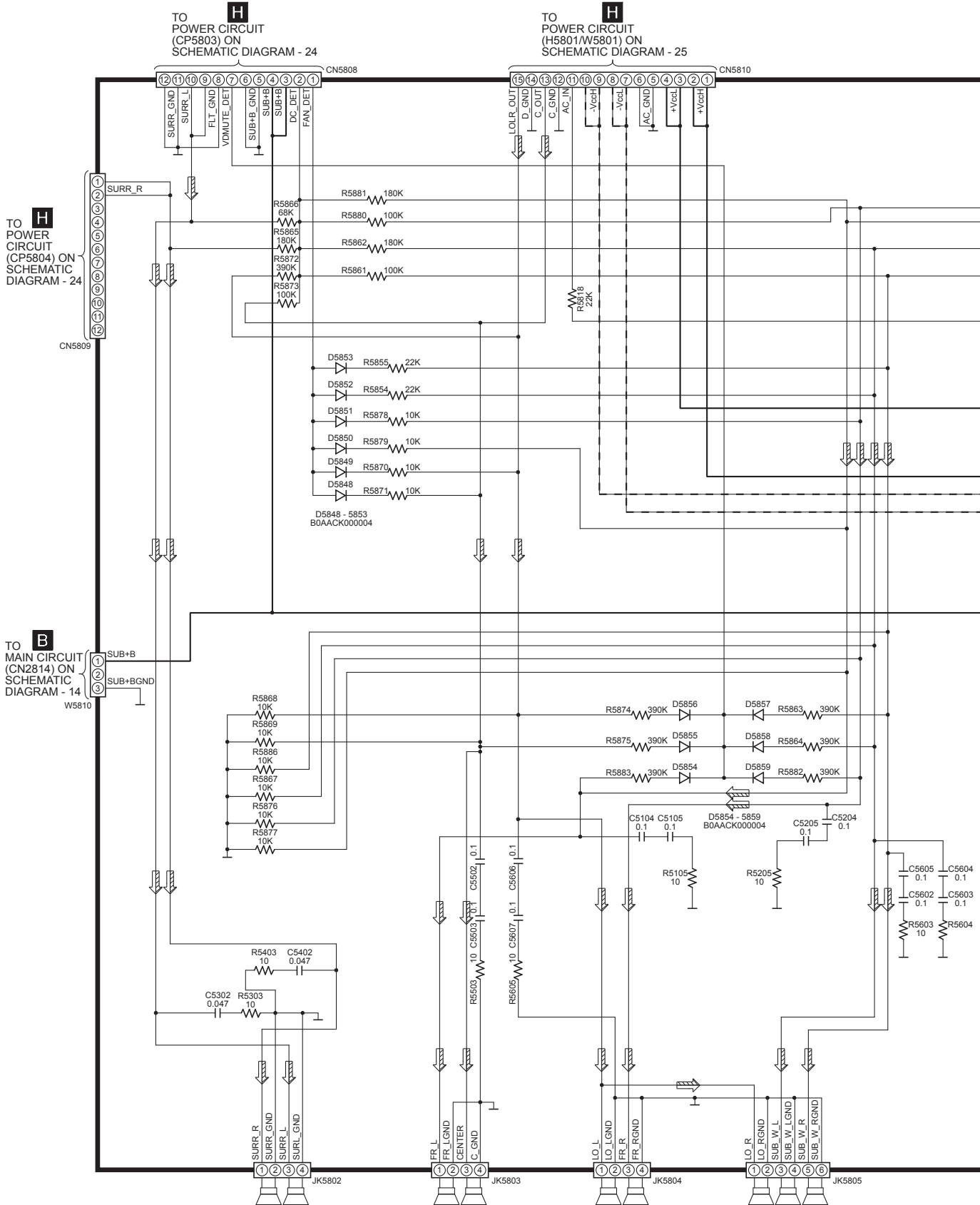
SCHEMATIC DIAGRAM - 27

J

SPEAKER CIRCUIT

— : +B SIGNAL LINE
- - - : -B SIGNAL LINE

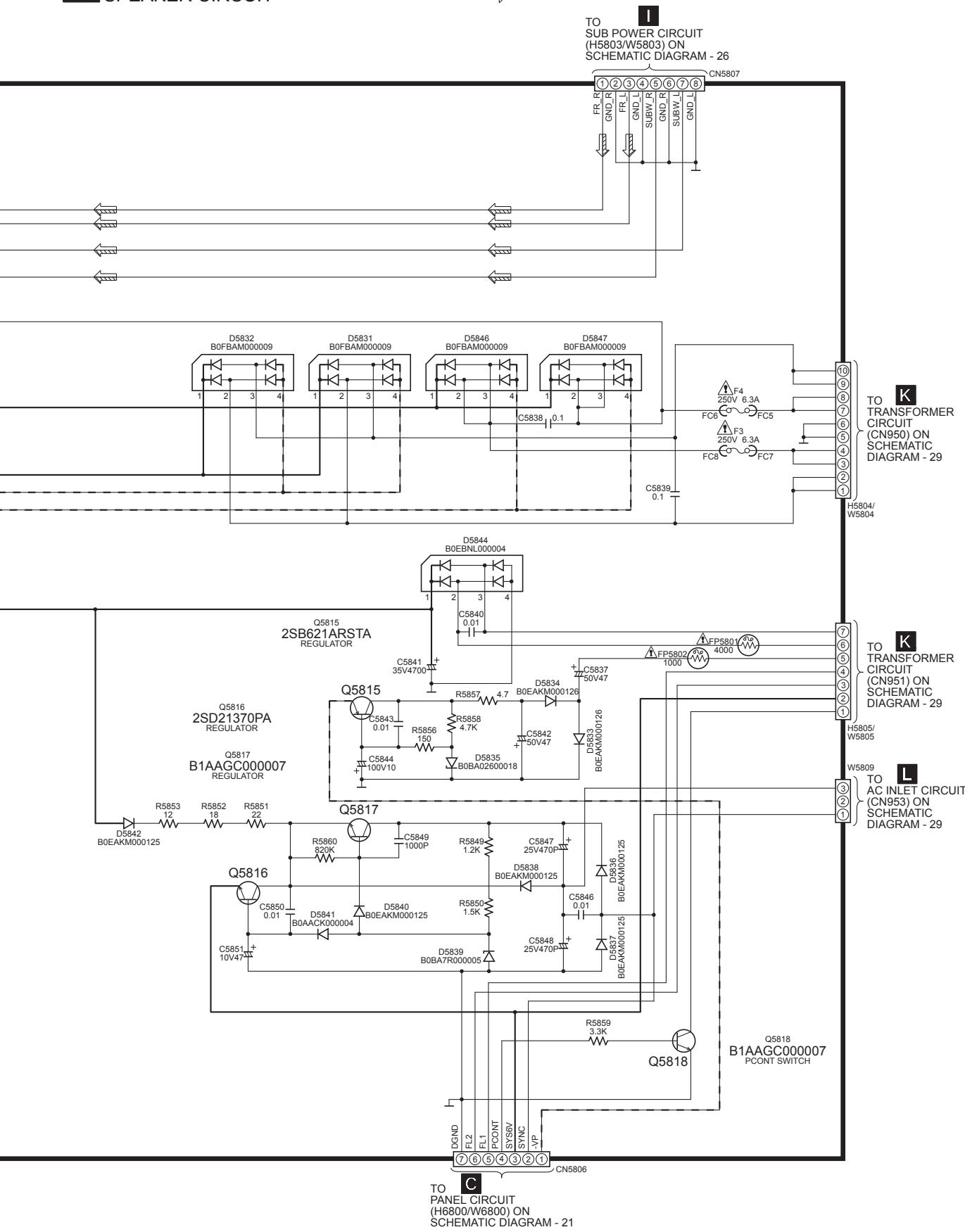
⇒ : MAIN SIGNAL LINE



———— : +B SIGNAL LINE

— — — — : -B SIGNAL LINE

 : MAIN SIGNAL LINE



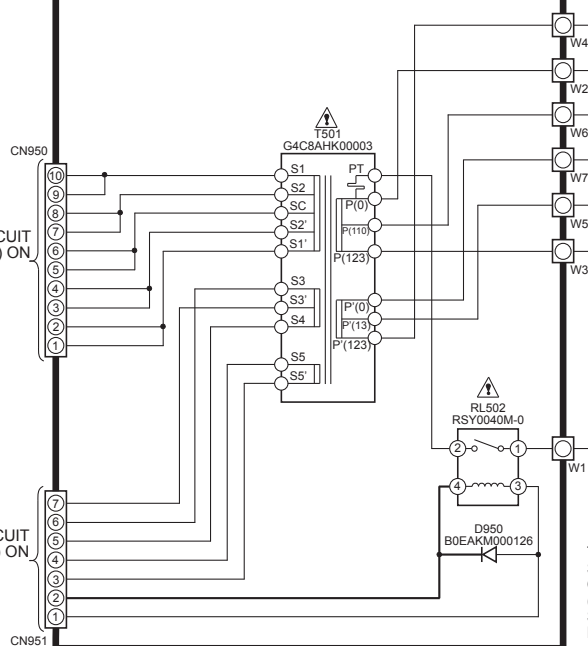
K

TRANSFORMER CIRCUIT

• : +B SIGNAL LINE

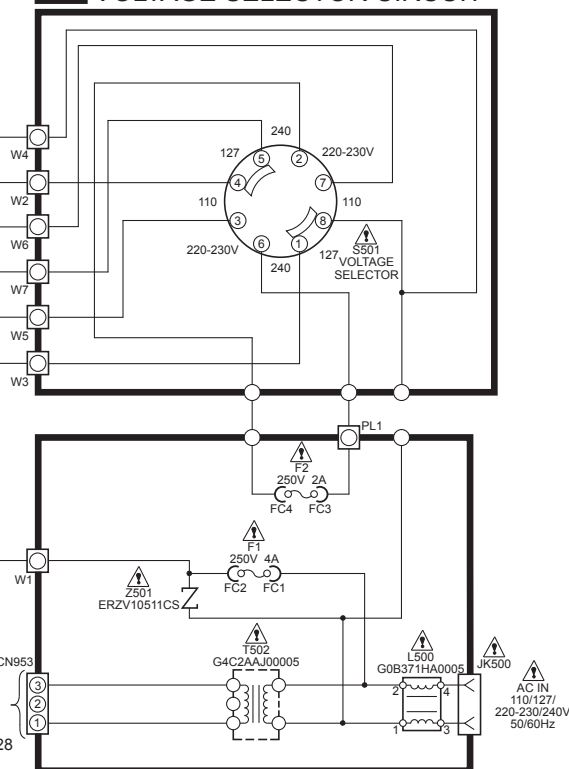
TO **J**
SPEAKER CIRCUIT
(H5804/W5804) ON
SCHEMATIC
DIAGRAM - 28

TO **J**
SPEAKER CIRCUIT
(H5805/W5805) ON
SCHEMATIC
DIAGRAM - 28



M

VOLTAGE SELECTOR CIRCUIT

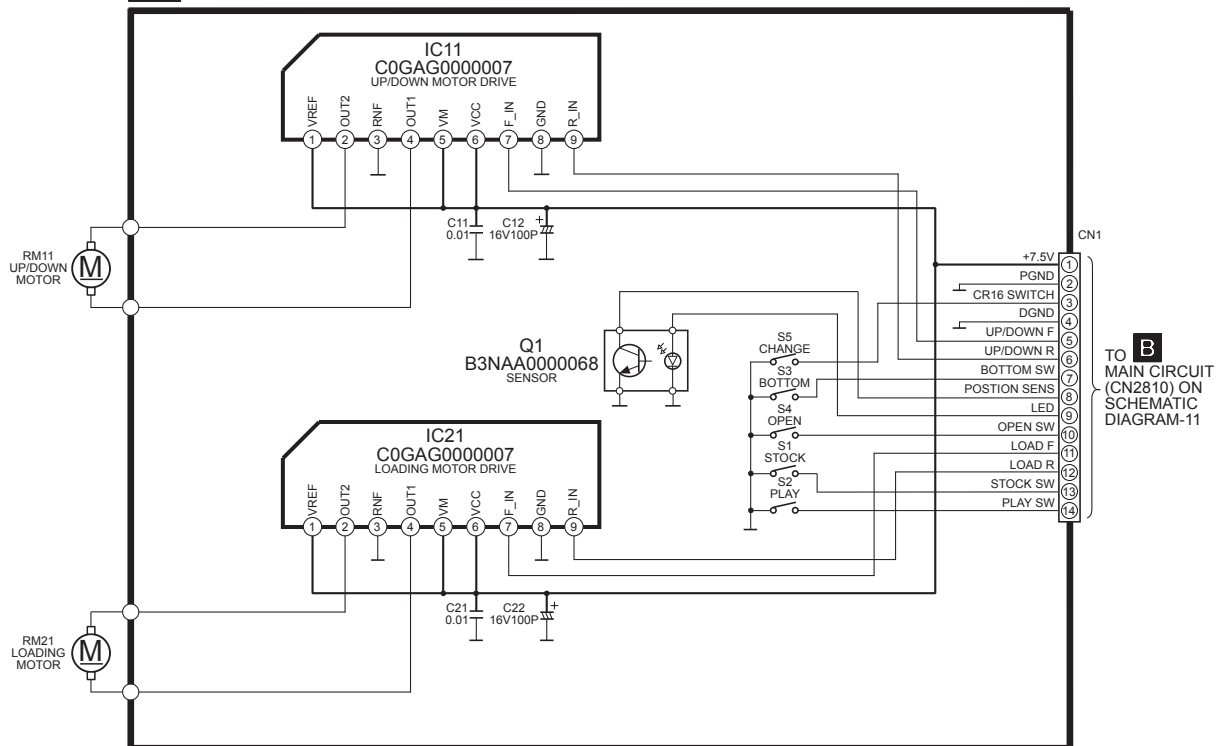


L

AC INLET CIRCUIT

N

CD LOADING CIRCUIT



22 Printed Circuit Board

22.1 (A) DVD Module P.C.B. (Side: A & B)

22.2 (B) Main P.C.B.

22.3 (C) Panel P.C.B.

22.4 (D) Mic P.C.B.& (E) Tact P.C.B.

22.5 (F) Deck P.C.B.& (G) Deck Mechanism P.C.B.

22.6 (H) Power P.C.B.

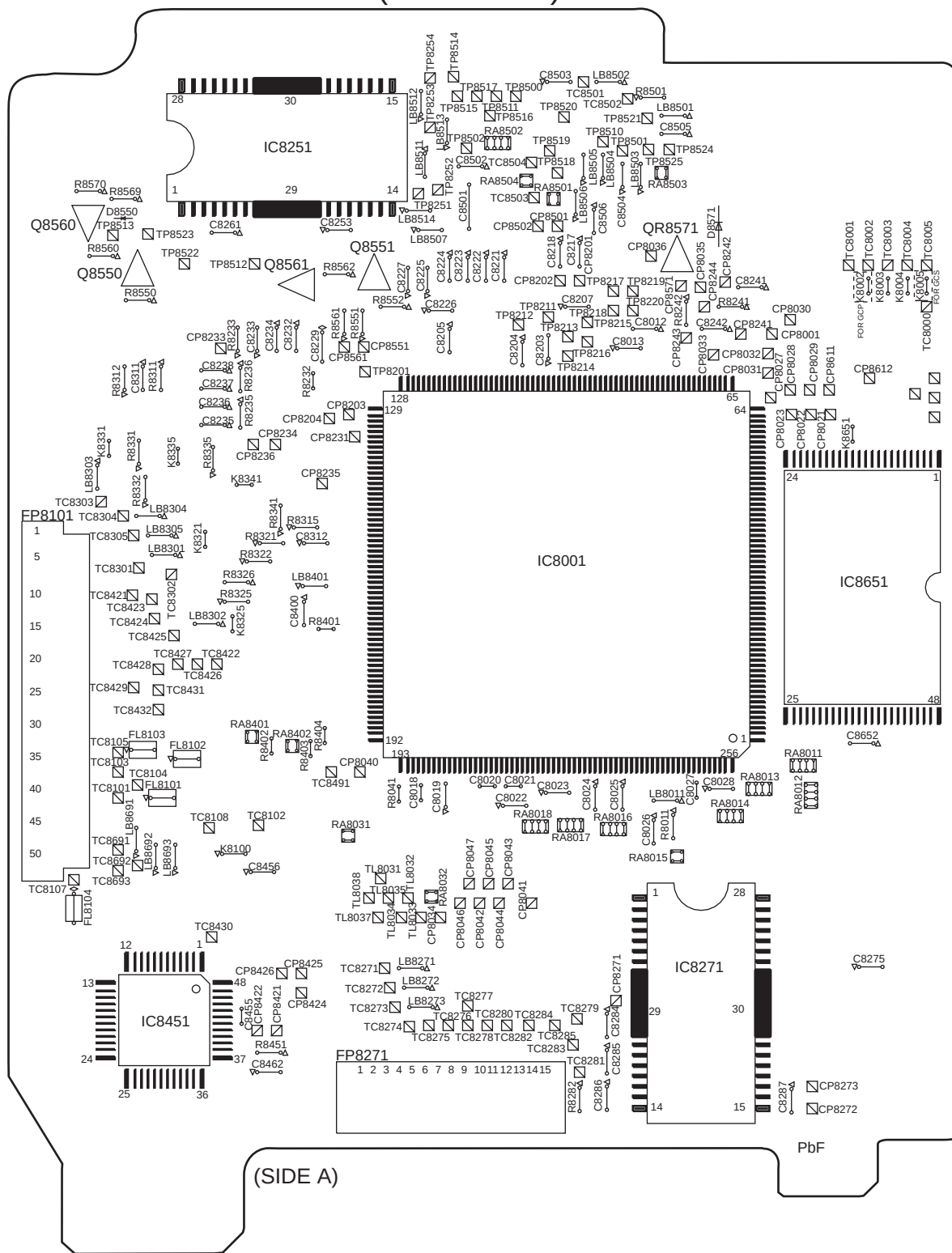
22.7 (I) Sub Power P.C.B.& (N) CD Loading P.C.B.

22.8 (J) Speaker P.C.B.

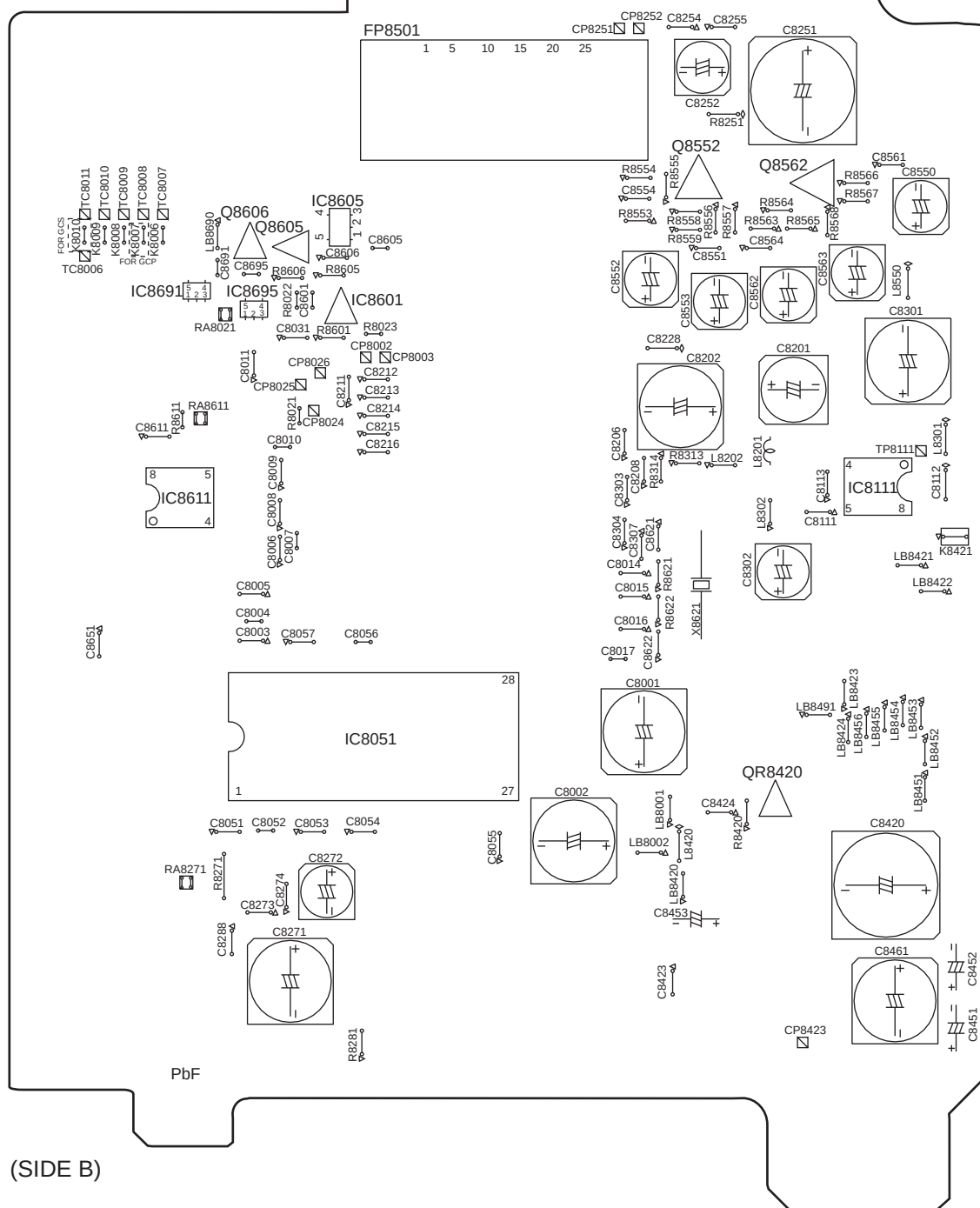
22.9 (K) Transformer P.C.B.

22.10 (L) AC Inlet P.C.B.& (M) Voltage Selector P.C.B.

A DVD MODULE P.C.B (REP3654S)...GCP
(REP3654R)...GCS

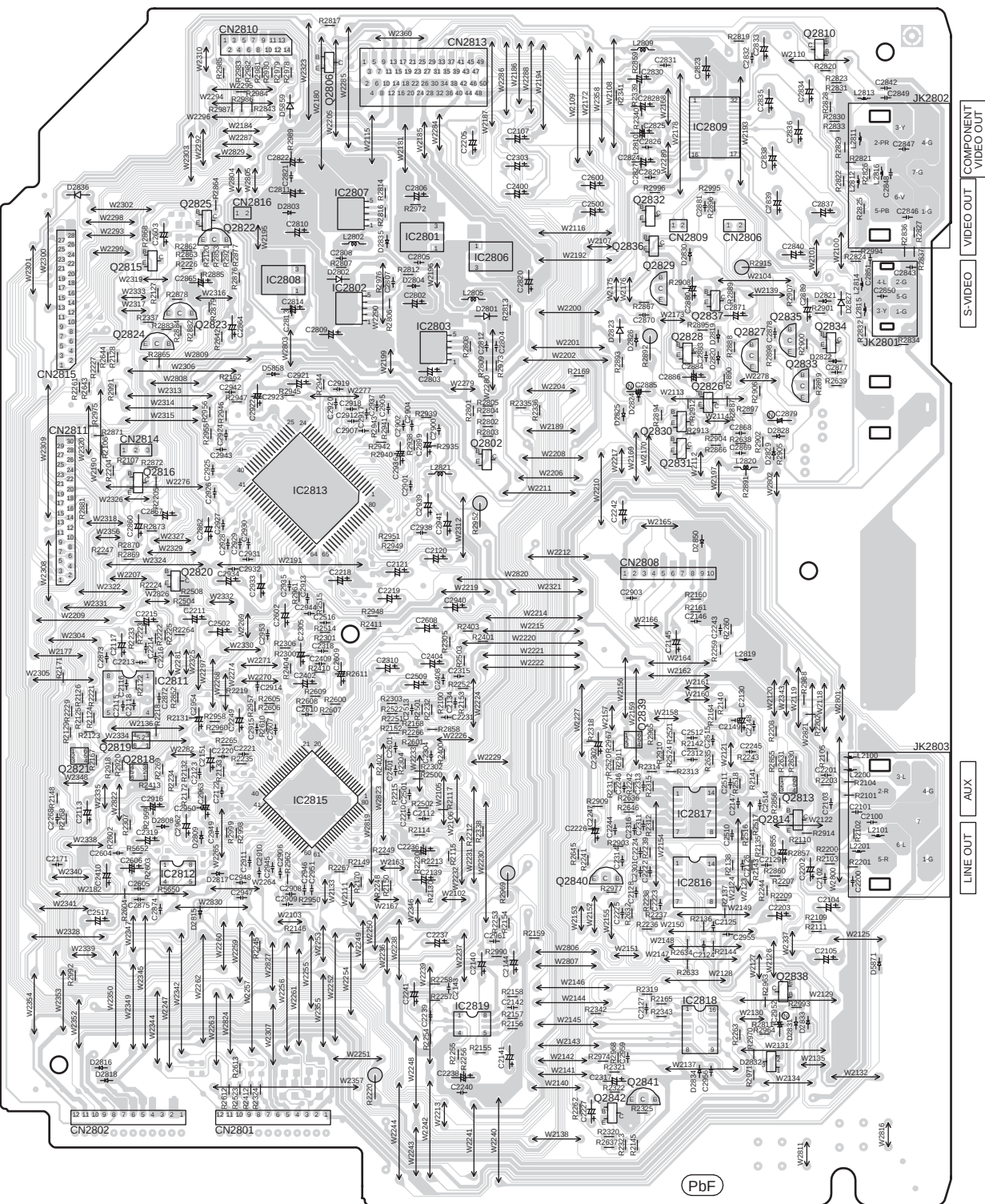


A DVD MODULE P.C.B.
(REP3654S)...GCP
(REP3654R)...GCS



A B C D E F G

B MAIN P.C.B (REPX0433E)

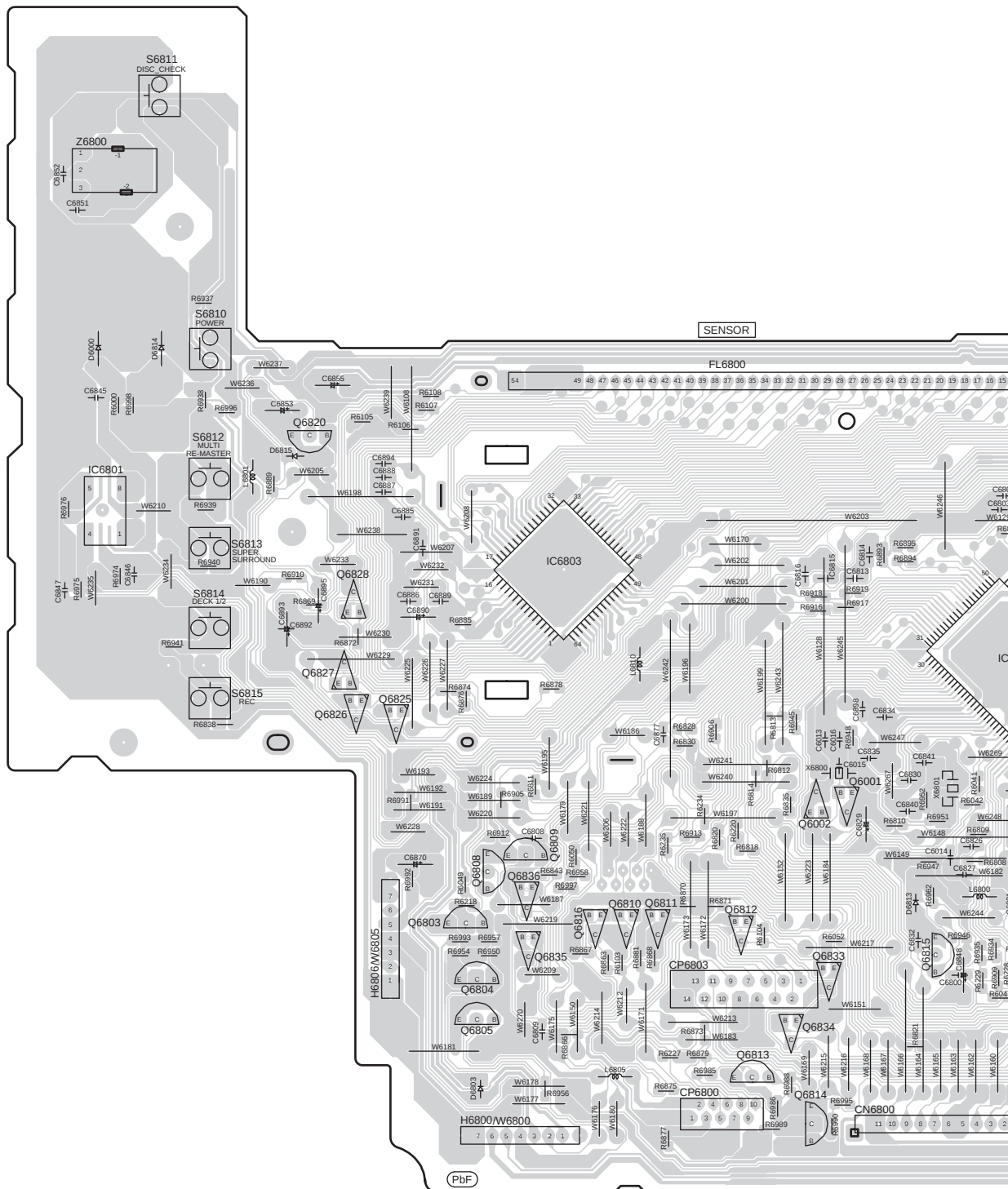


COMPONENT VIDEO OUT
S-VIDEO
VIDEO OUT

AUX
LINE OUT

G

C



G

H

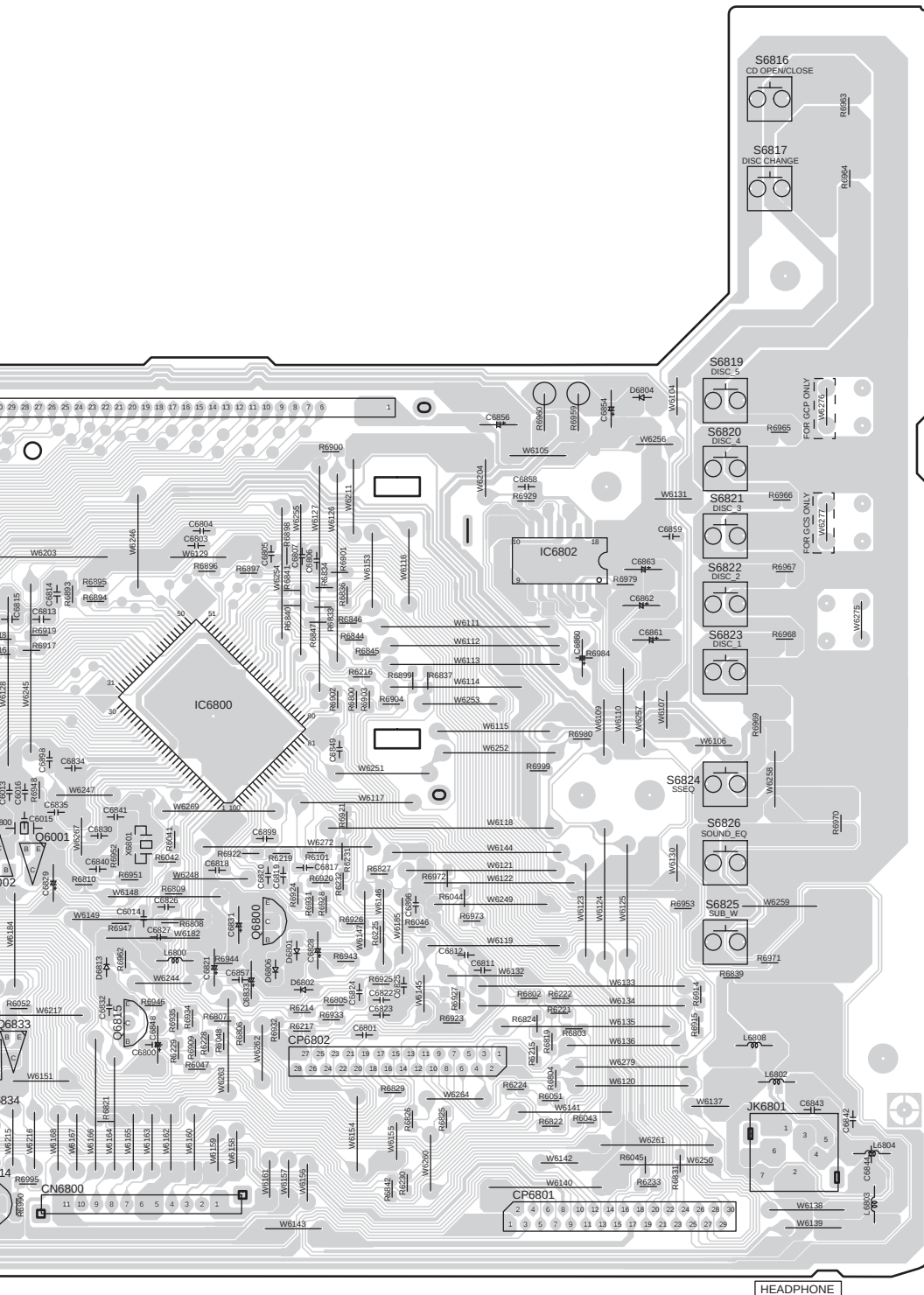
I

J

K

L

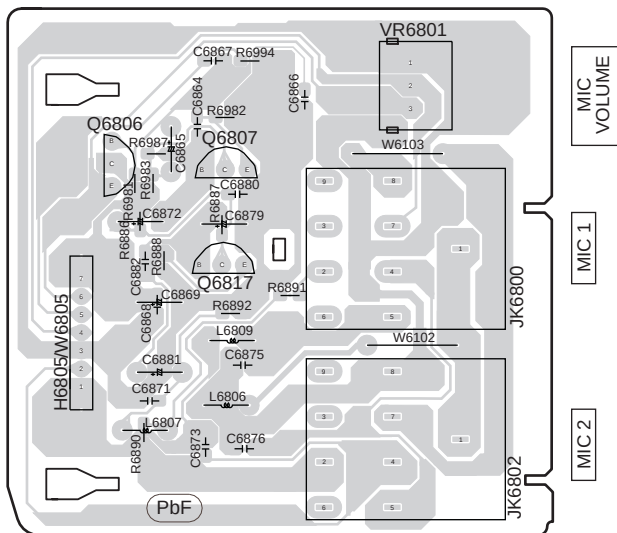
M



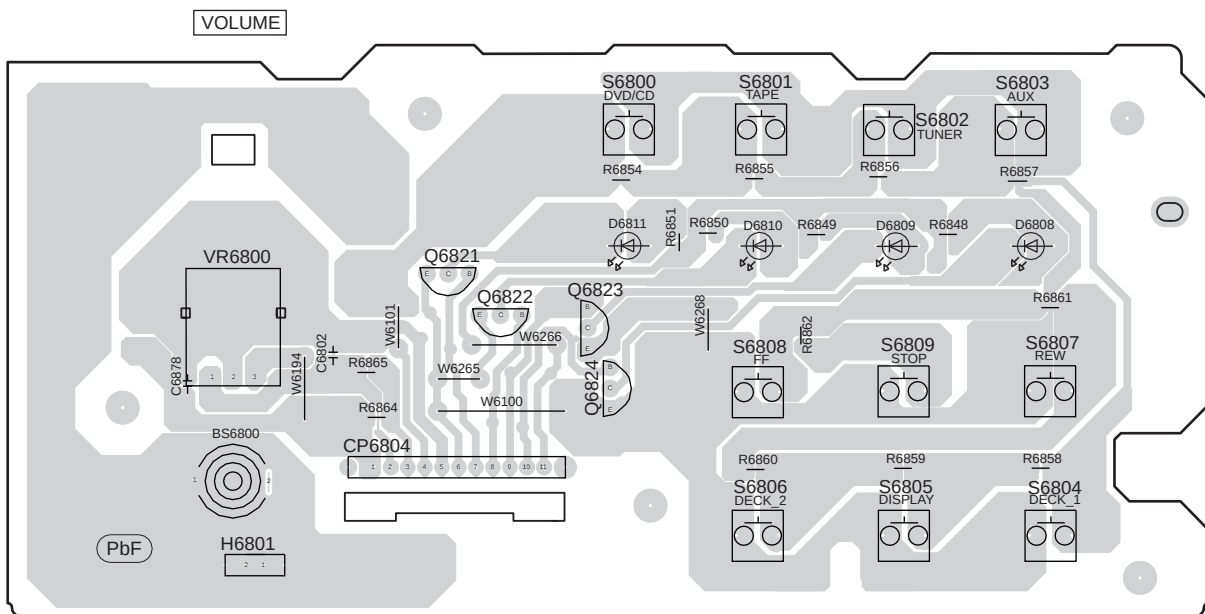
HEADPHONE

A B C D E F G

D MIC P.C.B (REPX0434A)...GCS (REPX0434E)...GCP

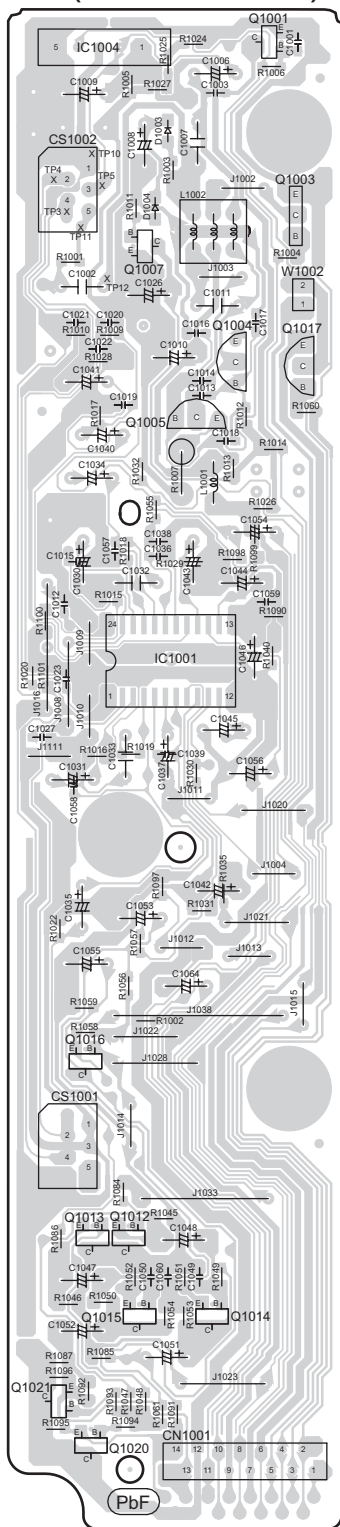


E TACT P.C.B (REPX0434A)...GCS (REPX0434E)...GCP

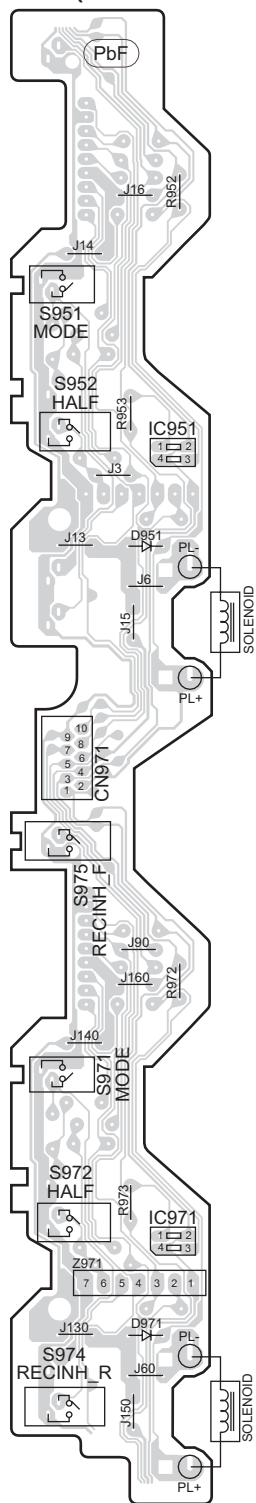


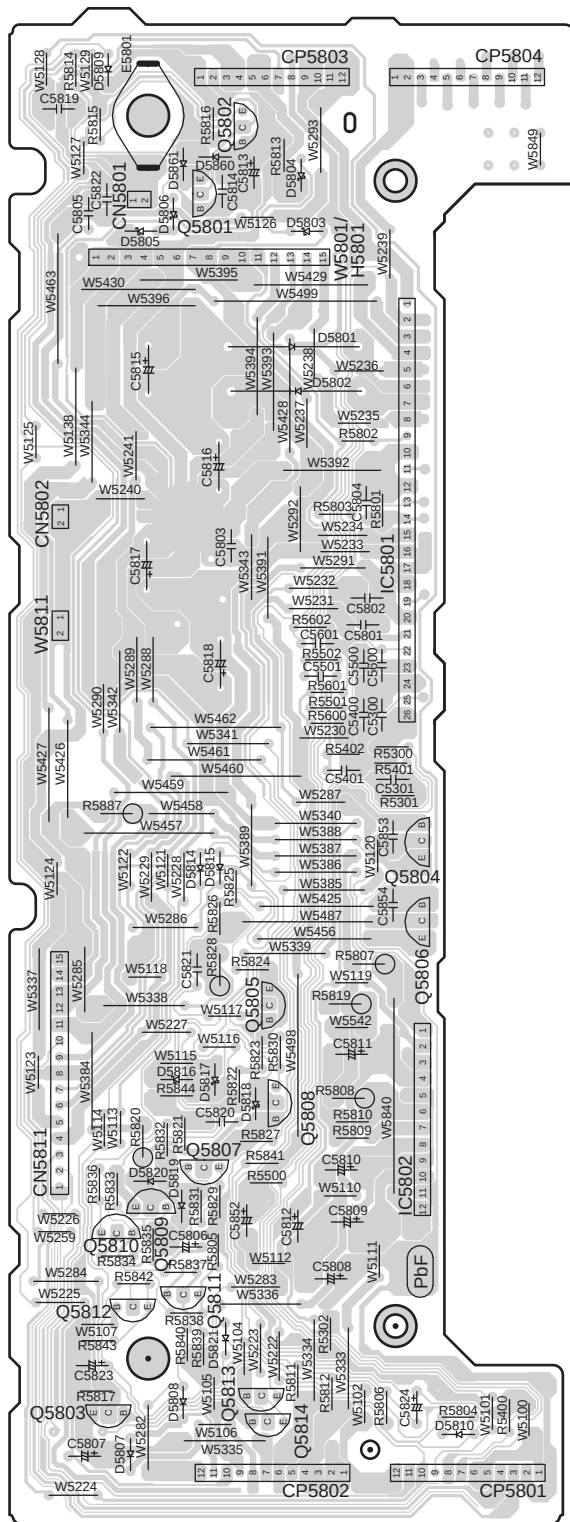
A B C D E F G

F DECK P.C.B.
(REPX0331C)



G DECK MECHANISM P.C.B.
(REPX0321B)





The PCB layout is symmetrical, with two IC5805 chips positioned horizontally. The top edge features a 16-pin header for power and ground, and a 16-pin header for the data bus. The bottom edge has a 16-pin header for the data bus. The layout includes numerous resistors (R5100-R5846) and capacitors (C5100-C5827) for signal conditioning and timing. A central 'PbF' label indicates the lead-free solder mask finish.

A

B

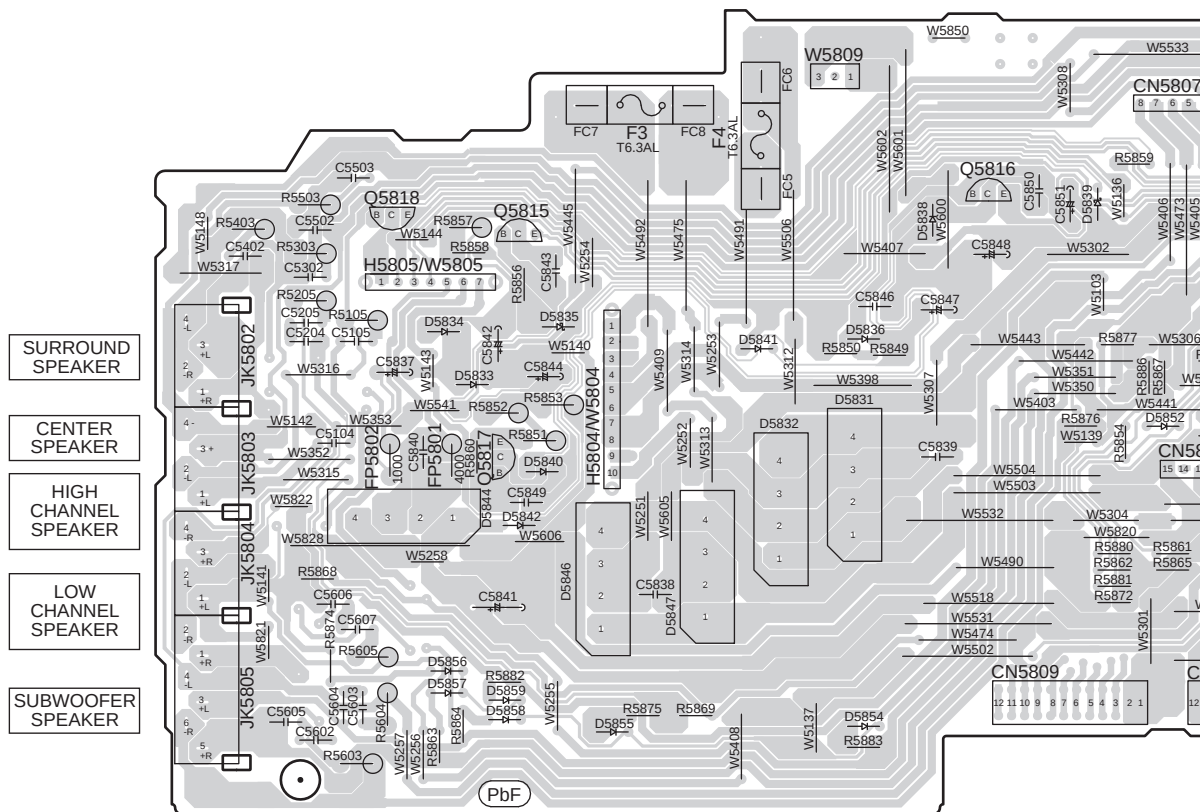
C

D

E

F

G

J SPEAKER P.C.B (REPX0432A)

G

H

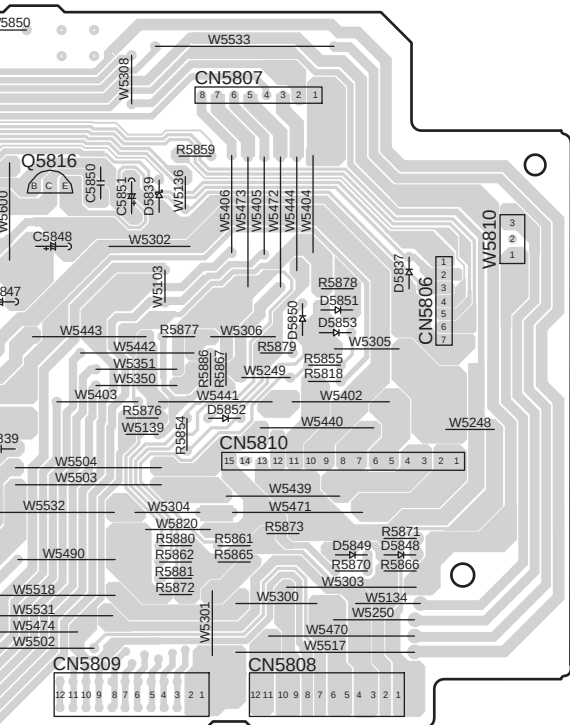
I

J

K

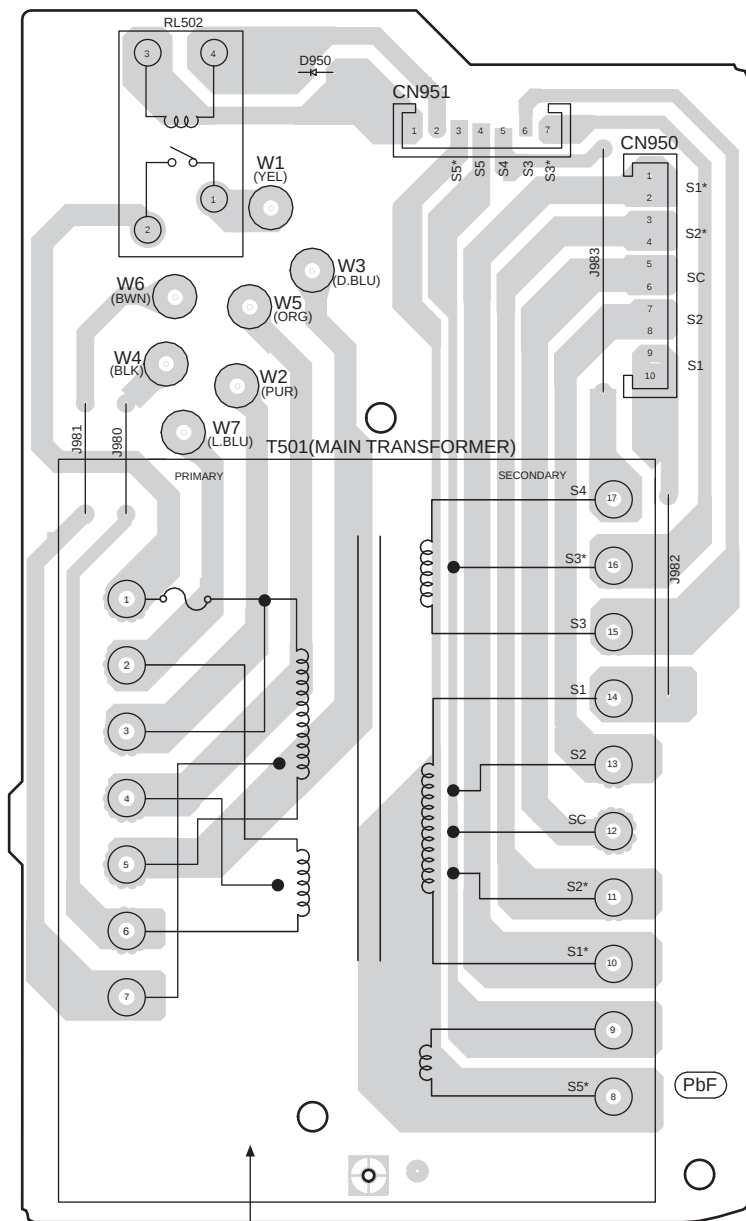
L

M



A B C D E F G

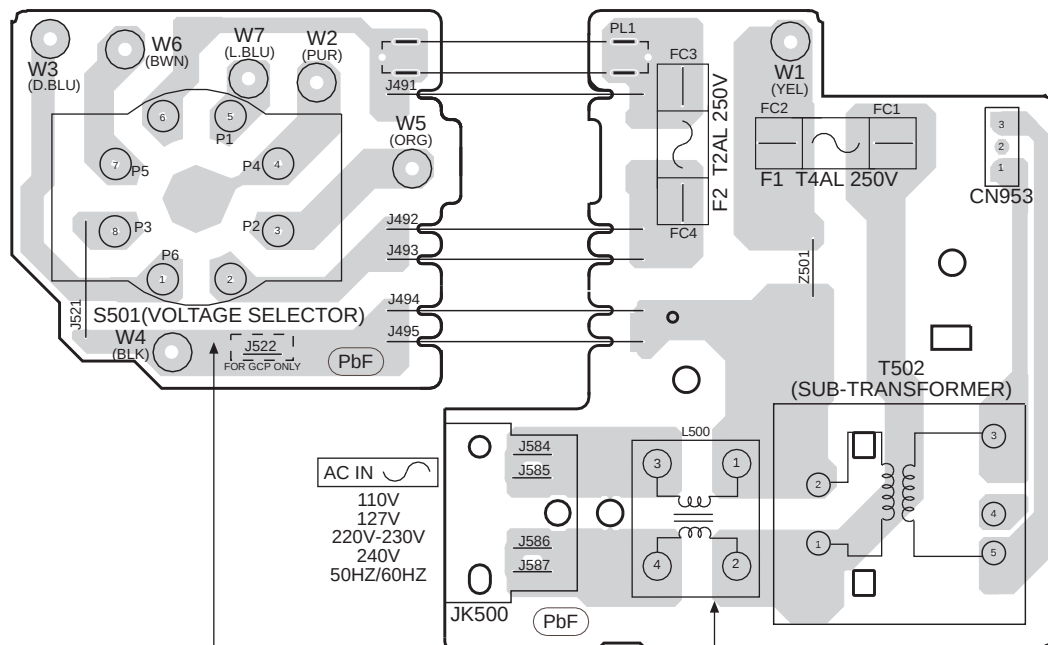
K TRANSFORMER P.C.B (REPX0431A)...GCS (REPX0431B)...GCP



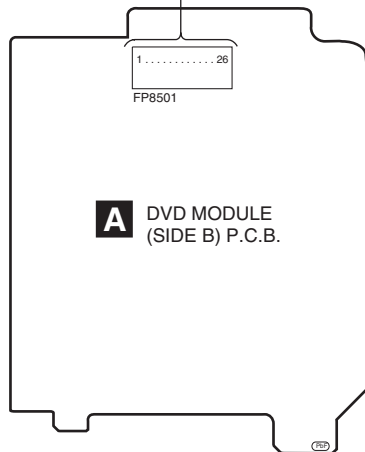
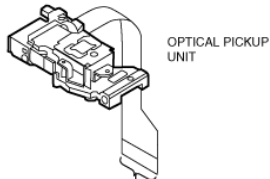
A B C D E F G

M VOLTAGE SELECTOR P.C.B
(REPX0431A)...GCS
(REPX0431B)...GCP

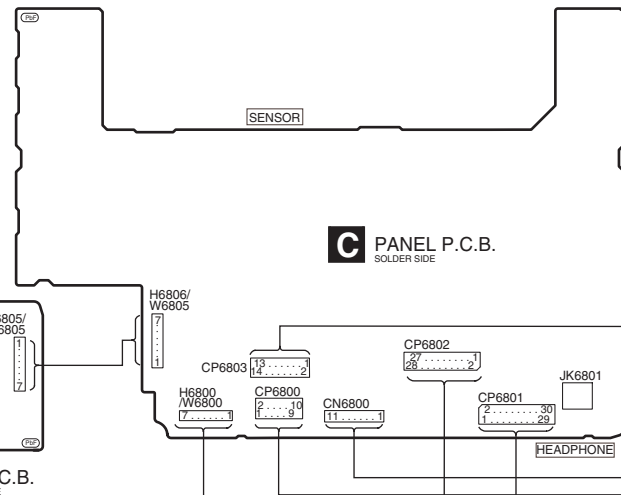
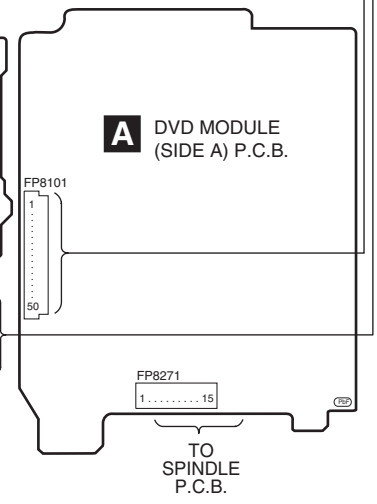
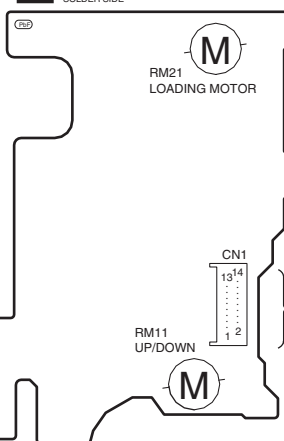
L AC INLET P.C.B
(REPX0431A)...GCS
(REPX0431B)...GCP



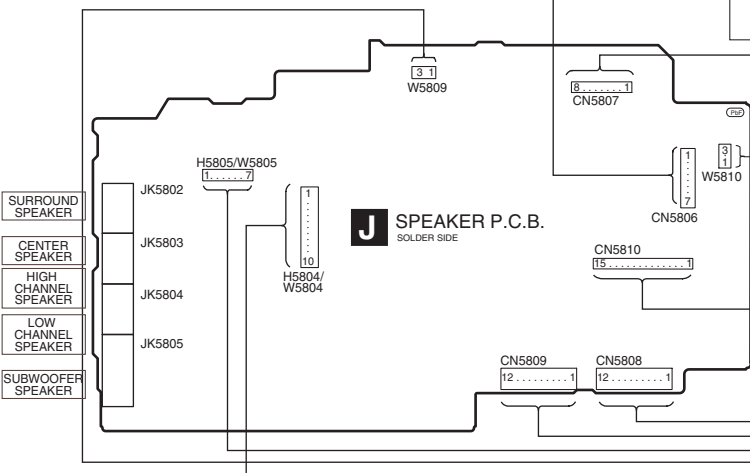
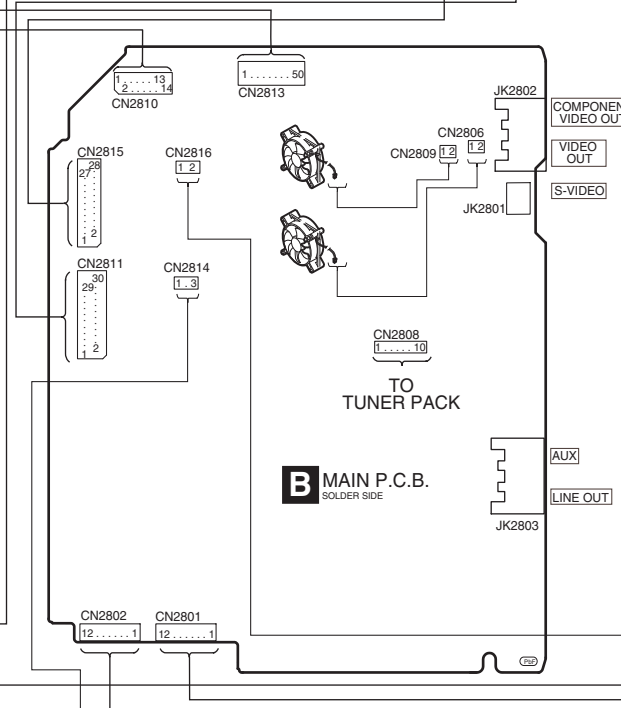
CAUTION
RISK OF ELECTRIC SHOCK
AC VOLTAGE LINE.
PLEASE DO NOT TOUCH THIS P.C.B

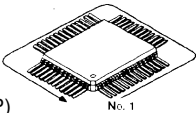
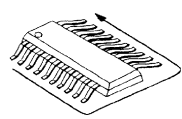
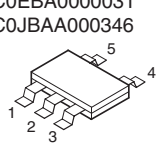
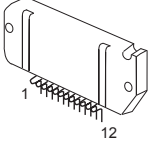
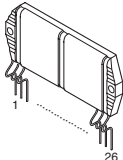
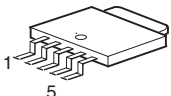
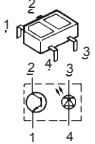
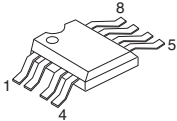
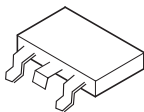
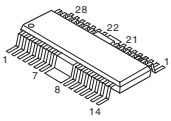
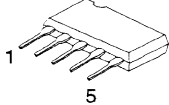
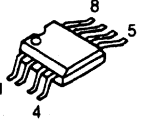
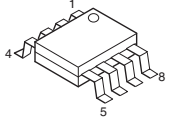
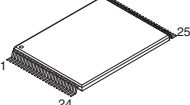
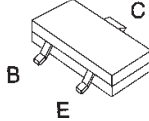
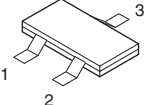
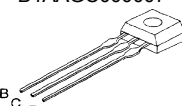
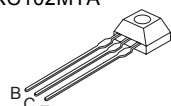
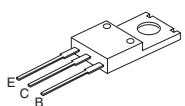
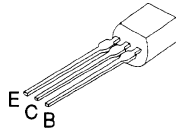
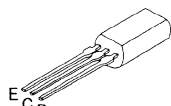
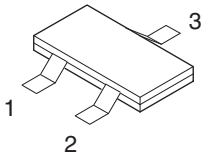
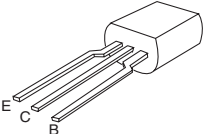
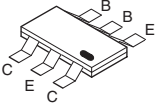
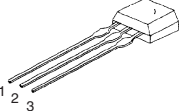
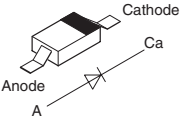
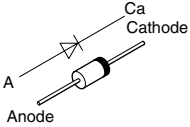
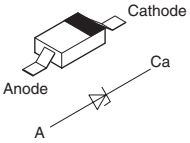
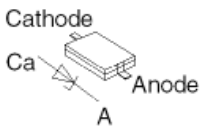
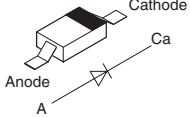
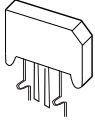
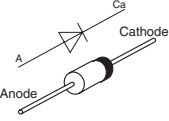
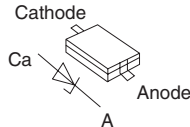
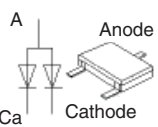
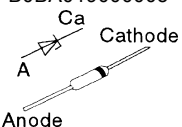
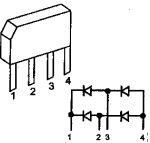
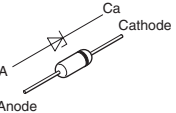
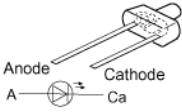
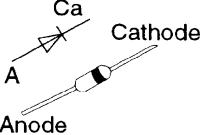


N CD LOADING P.C.B.
SOLDER SIDE



D MIC P.C.B.
SOLDER SIDE



C1BB00000801(80P) C1BB00000845(80P) C0HBB0000039 (64P) C0FBBK000036(48P) MN2DS0003APH (256P)	 No. 1	C1BB0000086(18P) C9ZB00000377(32P) KIA4558FEL(8P) C3ABPG000063(54P) C0GBF0000004 (16P) AN7348S-E1 (24P) C0JBAR000292 (16p)	No. 1 	C0EBE0000384 C0EBA0000031 C0JBAA000346  1 2 3 4 5	RSN312H24-P  1 12
RSN309W44B  1 26	C0DBAZG00033 (5P) C0DBEFG00003 (5P)  1 5	CNB13030R2AU  1 2 3 4	C0ABCB000052 (14P)  1 4 5 8	C0CBADG000005 	C0GBG0000044  1 5 6 7 8 14 15 21 22 28
C1AA00000612  1 5	C0AABB000117  1 4 5 8	C0CBCBD00018  1 4 5 8	RFKFMH81T61 RFKFMH81U61  1 24 25 48	2SB1219AHL  B C E	2SD1819A0L  1 2 3
KTC3199GRTA B1AAGC000007  B C E	B1ACCF000063 KRC102MTA  B C E	B1BCCG000021  E C B	KTA12710YTA 2SB621ARSTA B1ACCL000012 B1ACCL000010 2SD0592ARA  E C B	2SD21370PA  E C B	
B1ABCF000131 B1GDCFGA0014 B1ABEB000001 B1GBCFJJ0039 2SB09700RL	B1ADCF000001 B1ABCF000011 B1GDCFJJ0023 UNR521100L UNR511V00L  1 2 3	B1GCCFJJ0015 B1GACFLL0007 B1GCCFGA0005 B1AACF000065 B1AARC000002  E C B		B1GFGCAA0001  B B E C E C	
B1BAAJ000003  1 2 3	MA2S11100L  Anode Cathode Ca A	B0EAKM000117 B0BC01000014 B0EAKM000125  Anode Cathode Ca A	B0BC7R500001 B0BC5R000009  Anode Cathode Ca A	B0ACCK000005 B0BC3R700004  Cathode Anode Ca A	B0ACCE000003  Anode Cathode Ca A
B0FBAM000009 	B0JAPG000019  Anode Cathode Ca A	B0BC5R600003  Cathode Anode Ca A	B0ADCJ000020  Anode Cathode Ca A	B0BA03100002 B0BA019000005  Anode Cathode Ca A	B0EBNL000004  1 2 3 4
B0BA7R000005  Anode Cathode Ca A	B3AAA0000583  Anode Cathode Ca A	B0AACK00004 MA2C16500E MA2J72800L  Anode Cathode Ca A			

25 Terminal Function of IC

25.1 IC6800 (C2CBJG000460) System Microprocessor

Pin No.	Mark	I/O	Function
1	ST_SW	I	Stock switch of changer
2	OP/CL_REV	O	Reverse control signal fo OPEN/CLOSE motor
3	OP/CL_FWD	O	Forward control signal for OPEN/CLOSE motor
4	OPEN_SW	I	Signal from Rotary tray OPEN switch
5	POSITION	I	Signal from of Position Detection sensor
6	MBP1	O	Micon Beat Proof 1
7	MBP2	O	Micon Beat Proof 2
8	BYTE	I	VSS (Gnd)
9	CNVss	-	VSS (GND) The only Pull High Pin
10	XCIN	-	Sub Clock Input (32.768 kHz)
11	XCOU	-	Sub Clock Output (32.768 kHz)
12	RESET	I	System Reset Input
13	XOUT	-	Main Clock Output (10 MHz)
14	VSS	-	GND (0V)
15	XIN	-	Main Clock Input (10 MHz)
16	VCC	-	Power Supply (5V)
17	NMI	I	Connect to VCC, External Interrupt I/P
18	RMT	I	Remocon Input
19	SYNC	I	AC Failure Detect Input
20	UP/DOWN_R	O	Changer Motor 2 Reverse Control
21	CHANGE_SW	I	changer Change Switch
22	BOTTOM_SW	I	Changer Bottom Switch
23	N.C.	L	No Connection
24	LED1	O	Port to Control LED1 (DVD/D)
25	LED2	O	Port to Control LED2 (TAPE)
26	UP/DOWN_F	O	Changer Motor 2 Forward Control
27	TU_SD	I	Signal DET Input from Tuner
28	TU_ST_DO	I	Stereo Indicator from Tuner/DO-OUTPUT of Tuner IC
29	TU_SCL(PLL_CLK)	O	I2C Clock for Tuner (Clock Signal for the PLL Tuner)
30	TU_SDA(PLL_DA)	O	I2C Data for Tuner (PLL DATA - DI INPUT of Tuner)
31	PHOTO_2	I	Deck 2 Photo Detection
32	PHOTO_1	I	Deck 2 Photo Detection
33	BP	O	AM Beat Proof 1 (Active 1)
34	I_H	I	H WHEN Deck 1 Playback Head is Selected
35	DVD_CMD	O	CMD signal for the DVD Module
36	DVD_STA	I	STATUS signal from the DVD Module
37	DVD_CK	I	CLK signal for the DVD Module
38	EDA	O/I	DATA Signal for the EEPROM
39	ECLK	O	CLOCK Signal for the EEPROM

40	ECS	O	LAT Signal for the EEPROM
41	EPM	I	For Flash
42	FLD_RST	O	Reset Signal for the FL Driver
43	FLD_CS	O	Latch Signal for the FL Driver
44	DVD_MUTE	I	Signal from DVD Module control mute circuit
45	FLD_DA	O	Data input for the FL Driver
46	FLD_CK	O	Clock Signal for the FL Driver
47	WIDE_1	O	S-Video output control
48	ASP_DA	O	DATA signal for 6ch VOL ASP
49	ASP_CK	O	CLOCK signal for 6ch VOL ASP
50	PLUNGER	O	Deck 1 Plunger Control (L=OFF, H=ON)
51	DMT	O	Deck Mute at Mecha Transition (H=Mute Off, L= Mute On)
52	KA_LAT	O	Karaoke Latch
53	KA_DAT	O	Karaoke Data
54	KA_CLK	O	Karaoke Clock
55	MUTE_L	O	Mute control of Lout
56	MUTE_H	O	HIC MUTE
57	HP_MUTE	O	Head Phone Mute signal
58	MUTE_C	O	Port for Mute control of Center
59	MUTE_SR	O	Port for Mute Control of SL/SR
60	SUB_MUTE	O	Subwoofer Mute Signal
61	MUTE_A	O	Mute Control for FL/FR
62	VCC	-	POWER SUPPLY 5.0V
63	SURR_C	O	Surround Control Port
64	VSS	-	GND (0V)
65	SP_A	O	Control Speana IC's port A
66	SP_B	O	Control Speana IC's port B
67	SP_C	O	Control Speana IC's port C
68	DVD_PCNT	O	Control Signal for the Power for the DVD Module
69	N.C.	O	No Connection
70	PCONT	O	Control Signal for the Power Control Relay
71	REC	O	Deck Recording Control (Recording = L)
72	DC_DET	I	Signal from the DC Detection circuit
73	VMUTE	O	Control Signal for Video Output
74	MOTOR	O	Deck Motor Control (L=OFF, H=ON)
75	JOG_B	I	Signal B from Volume JOG
76	JOG_A	I	Signal A from Volume JOG
77	PARTY	O	Party output For Analog Surround Active L (DSP_CLK)
78-79	N.C.	O	No Connection
80	PLUNGER_2	O	Deck 2 Plunger Control (L=OFF, H=ON)
81	DEMOCTL	I	Control for DEMO function
82	SFC	O	SFC Out for Analog Surround (Active L)
83	MODEL_CTL	I	To select Model when power on (VK71=L, VK81/91=H)
84	LED3	O	Port to control LED3 (TUNER)
85	LED4	O	Port to control LED4 (AUX)
86-88	N.C.	L	No Connection
89	DECK_AD1	A/D I	Deck AD Input 1 (Mode 1/Half 1)

90	DECK_AD2	A/D I	Deck AD Input 2 (RINHF/MODE2/RINH/HALF2)
91	KEY3	I	Key 3 line input
92	KEY2	I	Key 2 line input
93	DES3	I	REGION Setting for DVD
94	SPEANA_A/D	A/DI	Connect to Speana IC's OUT port
95	DES1	I	REGION Setting for DVD (Tuner Region)
96	AVSS	-	ANALOG POWER SUPPLY INPUT
97	KEY1	I	Key 1 line input
98	VREF	-	REFERENCE VOLTAGE INPUT
99	AVCC	-	ANALOG POWER SUPPLY INPUT
100	PLAY_SW	I	Play Switch

26 Parts Location and Replacement Parts List

Notes:

- Important safety notice:

Components identified by  mark have special characteristics important for safety.

Furthermore, special parts which have purposes of fire-retardant (resistors), high-quality sound (capacitors), low noise (resistors), etc are used.

When replacing any of these components, be sure to use only manufacturer's specified parts shown in the parts list.

- The parenthesized indications in the Remarks columns specify the areas or colour. (Refer to teh cover page for area or colour)

Parts without these indications can be used for all areas.

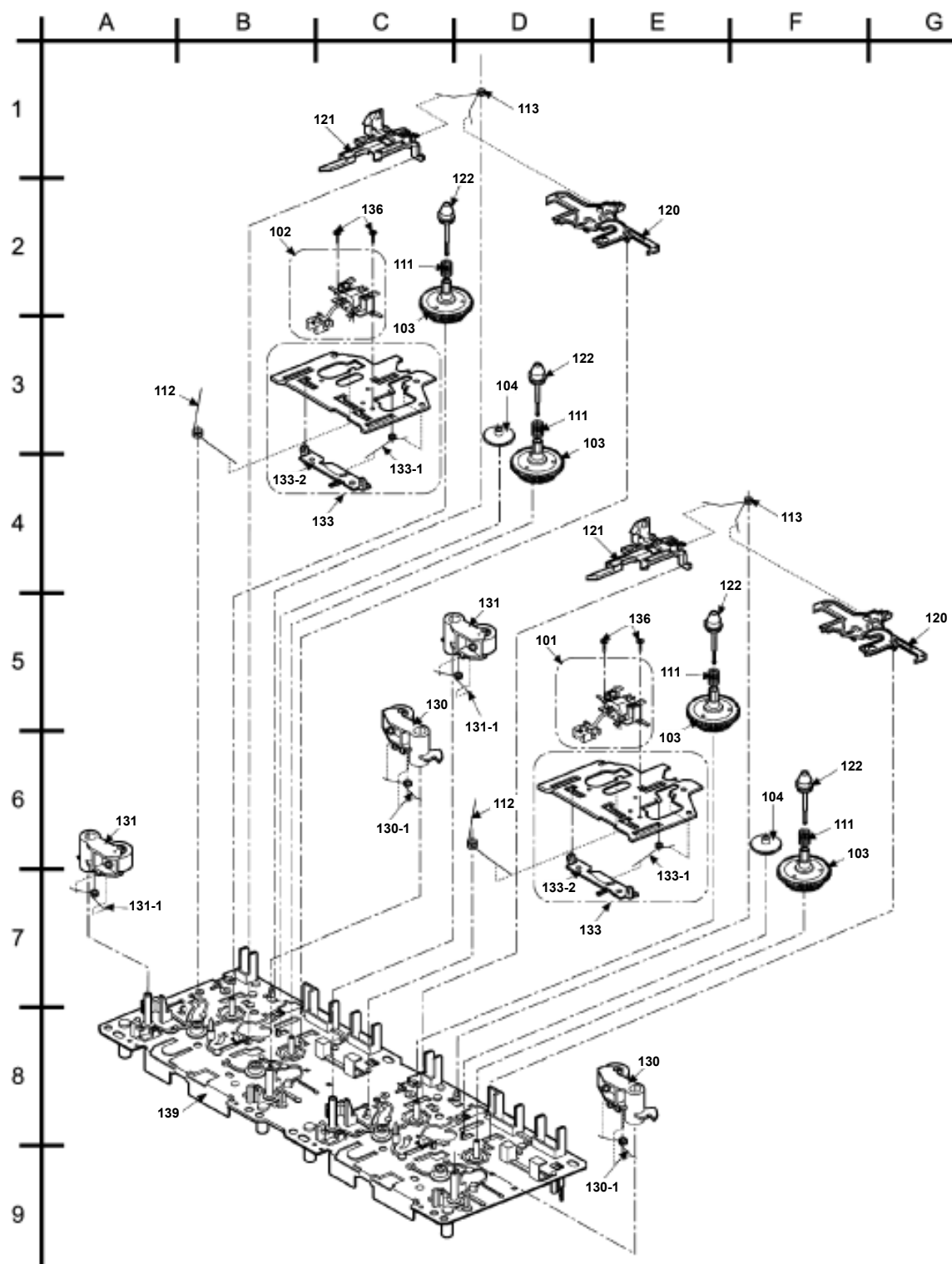
- Warning: This product uses a laser diode. Refer to caution statements on "Precaution of Laser Diode".
- Capacitor values are in microfarads (μF) unless specified otherwise, P= Pico-farads (pF), F= Farads.
- Resistance values are in ohms, unless specified otherwise, 1K=1,000 (OHM).

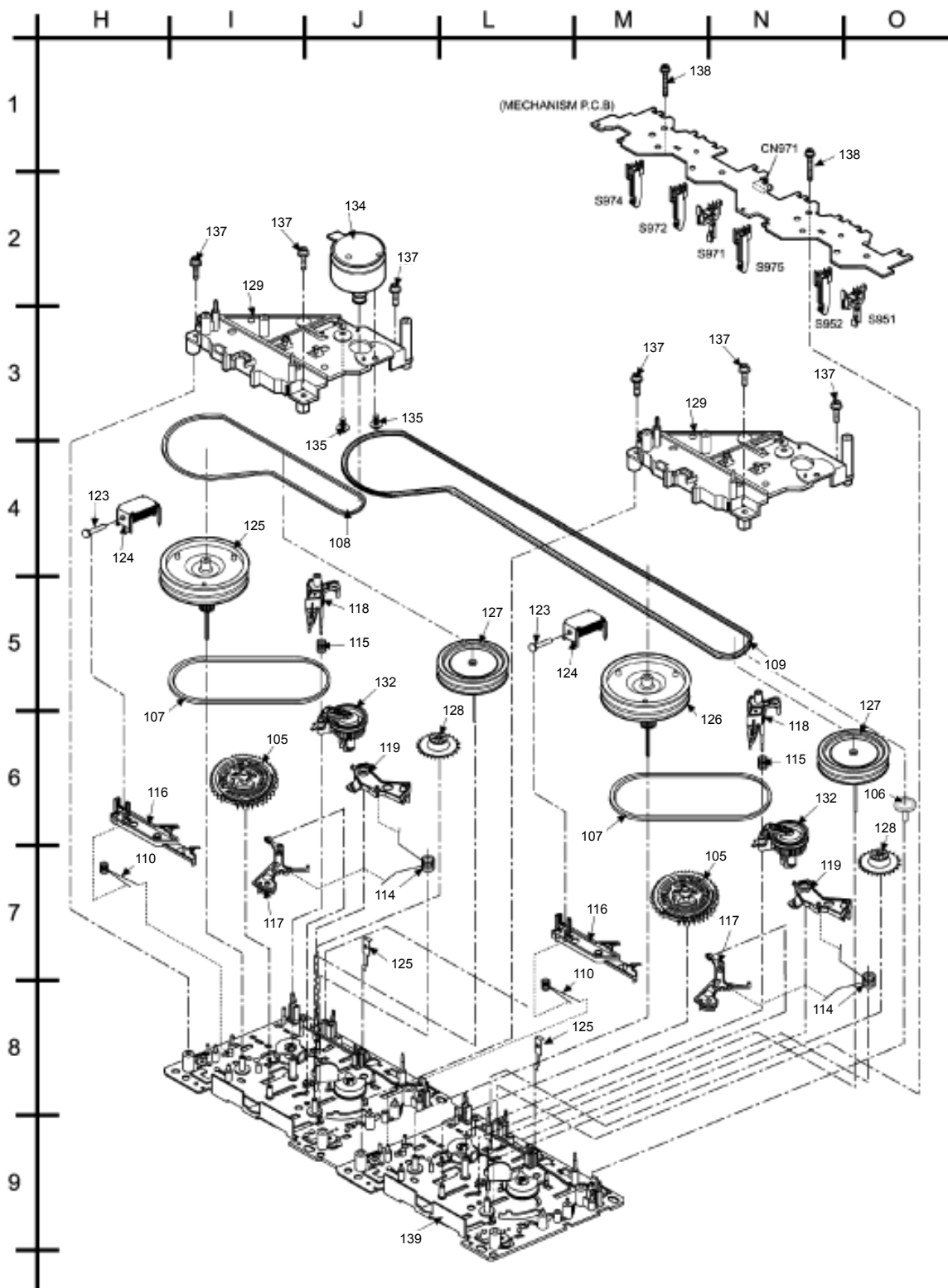
- The marking (RTL) indicates that the Retention Time is limited for this items. After the discontinuation of this assembly in production, the item will continue to be available for a specific period of time. The retention period of a availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.
- [M] markings in the Remarks columns indicates parts supplied by [PAVCSG](#).
- [SPC] markings in the Remarks columns indicates parts that are supplied by [PAVC](#).
- Reference for O/I book languages are as follows:

Ar : Arabic	Du : Dutch	It : Italian	Sp : Spanish
Cf : Canadian French	En : English	Ko : Korean	Sw : Swedish
Cz : Czech	Fr : French	Po : Polish	Co : Traditional Chinese
Da : Danish	Ge : German	Ru : Russian	Cn : Simplified Chinese
Pe : Persian			

26.1 Deck Mechanism (RAA3412-S)

26.1.1 Deck Mechanism Parts Location



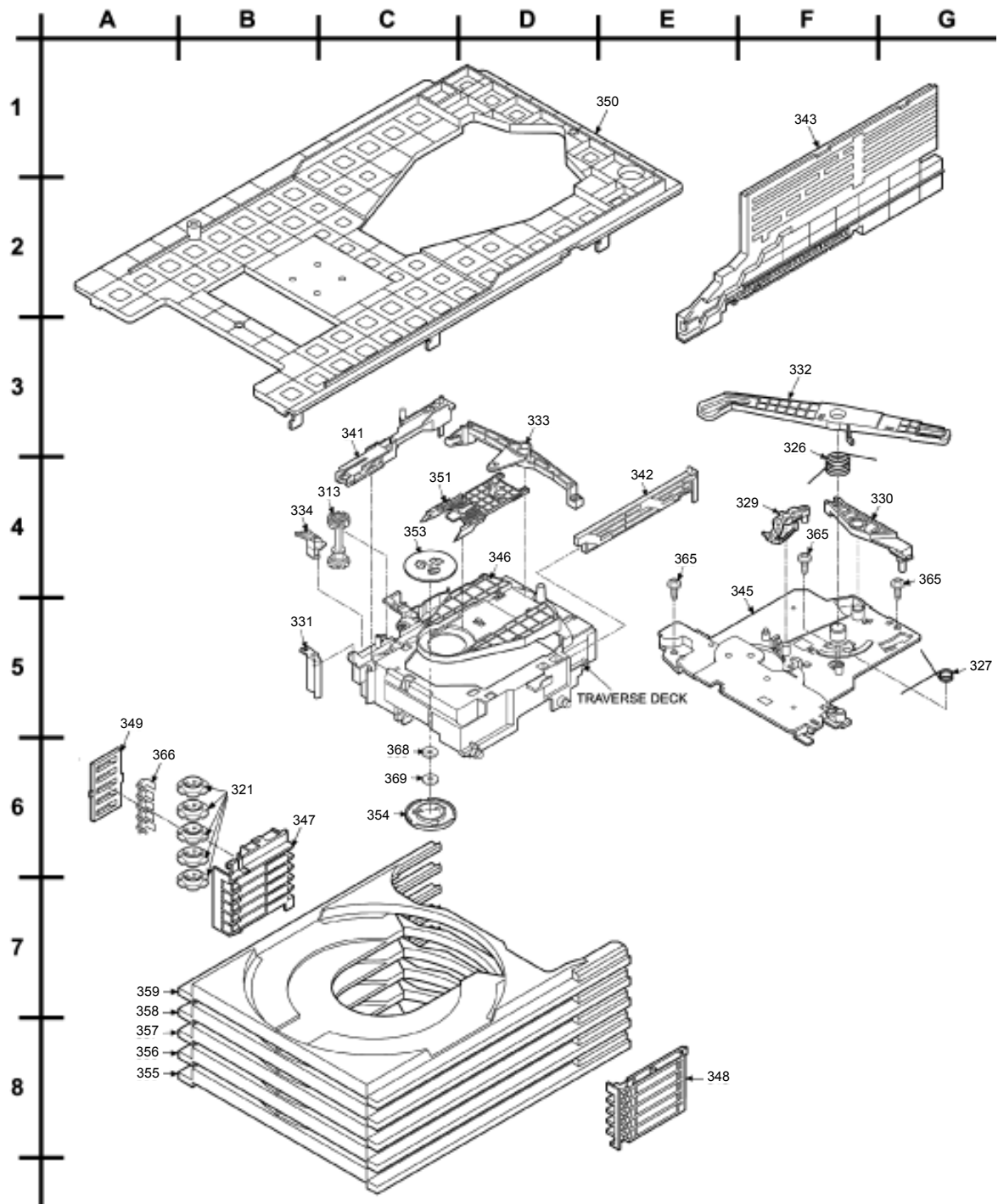


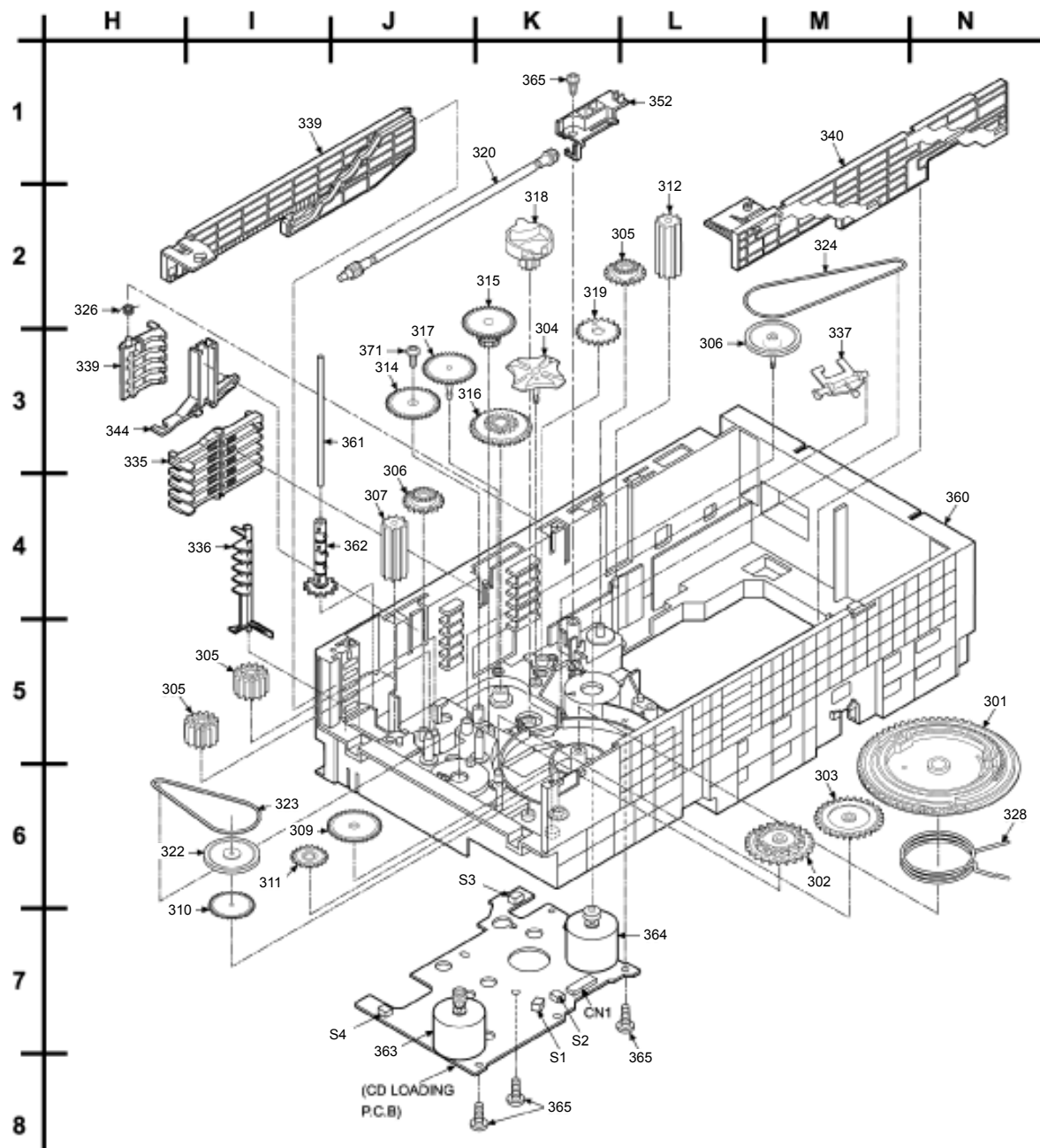
26.1.2 Deck Mechanism Parts List

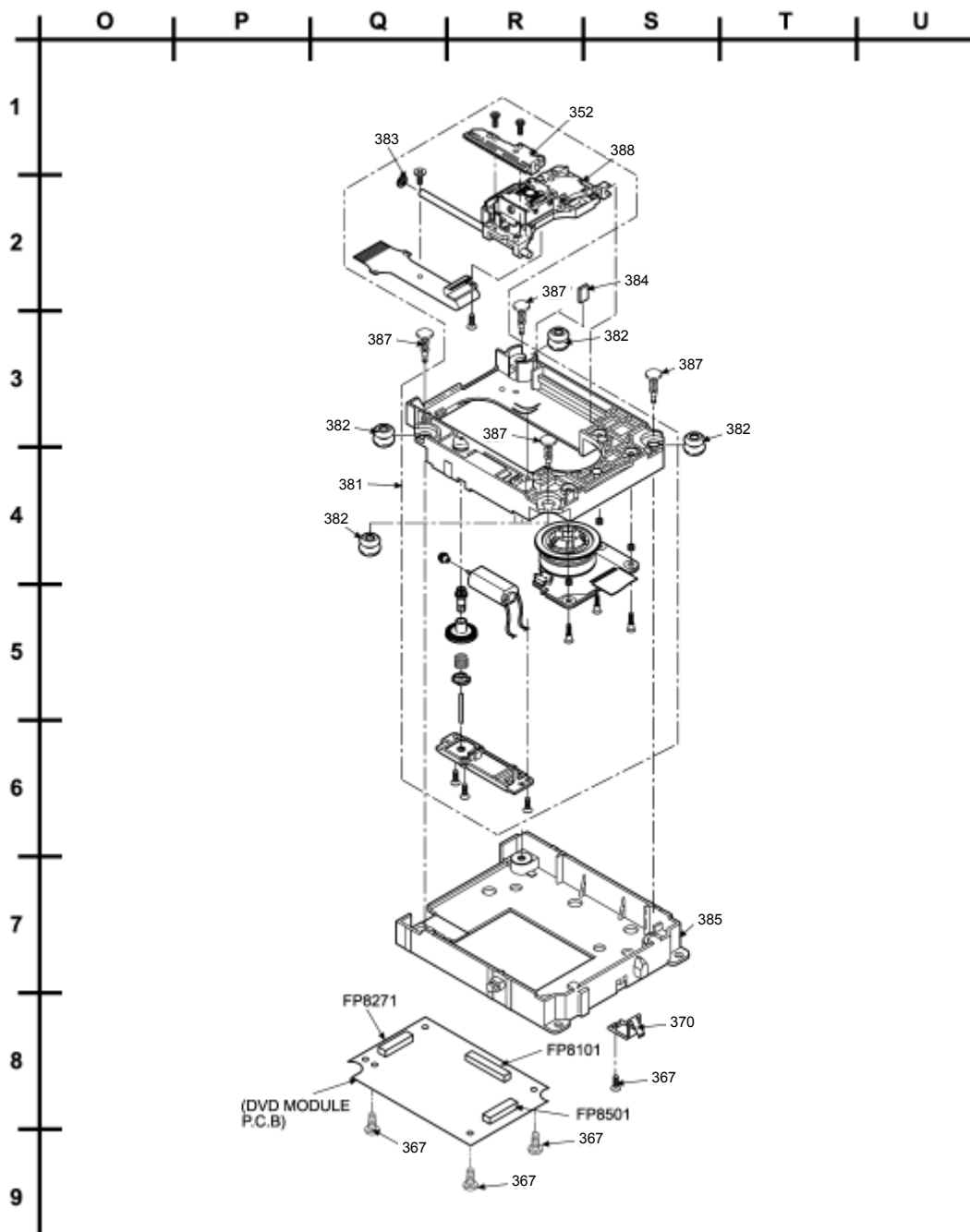
Ref. No.	Part. No.	Part Name and Description
CASETTE DECK		
101	RED0071	UNIDAD DE CABEZAL R/P
102	RED0072	UNIDAD DE CABEZAL P/B
103	RDG0300	ENGRANE BASE CARRETE
104	RDG0301	ENGRANE DE TRANSMISION
105	RDK0026-4	ENGRANE PRINCIPAL
106	RDR0029-4	POLEA DE TRANSMISION
107	RDV0033-4	BANDA DE ENBOBINADO
108	RDV0034-2	BANDA DE EJE «A»
109	RDV0057-1	BANDA DE EJE «B»
110	RMB0312	RESORTE DE PALANCA RETENCION
111	RMB0400-J	RESORTE DE CARRETE
112	RMB0403	RESORTE DE PLACA SUPERIOR
113	RMB0404	RESORTE DE BARRA DE FRENO
114	RMB0406-5	RESORTE DE PALANCA DIRECCIONAL
115	RMB0408-J	RESORTE DE EMPUJE
116	RML0370-4	PALANCA DE RETENCION
117	RML0371	PALANCA DIRECCIONAL
118	RML0372-2	PALANCA DE EMBOBINADO
119	RML0374-2	PALANCA DE EXPULSION
120	RMM0131-1	BARRA DE FRENO
121	RMM0133-1	BARRA EXPULSADORA
122	RMQ0519	CUBO CARRETE CENTRAL
123	RMS0398-1	NUCLEO MOVIL
124	RSJ0003	BOBINA
125	RMC0061	RESORTE DE JUNTA
126	RXF0049	ENSAMBLE VOLANTE «F»
127	RXF0050	ENSAMBLE VOLANTE «R»
128	RXG0040	ENSAMBLE ENGRANE RELEVADOR «FF»
129	RMK0283A-2	SUB-BASE
130	RXL0124	ENSAMBLE RODILLO «F»
130-1	RMB0401	RESORTE DE BRAZO «F»
131	RXL0125	ENSAMBLE RODILLO «R»
131-1	RMB0402	RESORTE DE BRAZO «R»
132	RXL0126	ENSAMBLE DE BRAZO EMBOBINADOR
133	RXQ0412-1	ENSAMBLE DE PLACA SUPERIOR
133-1	RMB0405-1	RESORTE DE BARRA «FR» DIRECCION
133-2	RMM0132-1	BARRA «FR» DIRECCIONAL
134	REM0088-1	ENSAMBLE MOTOR
135	RHD26022	TORNILLO METALICO
136	XTW2+5L-A	TORNILLO
137	XTW26+10S-A	TORNILLO
138	XYC2+JF17-A	TORNILLO

26.2 DVD Loading Mechanism

26.2.1 DVD Loading Mechanism Parts Location







26.2.2 DVD Loading Mechanism Parts List

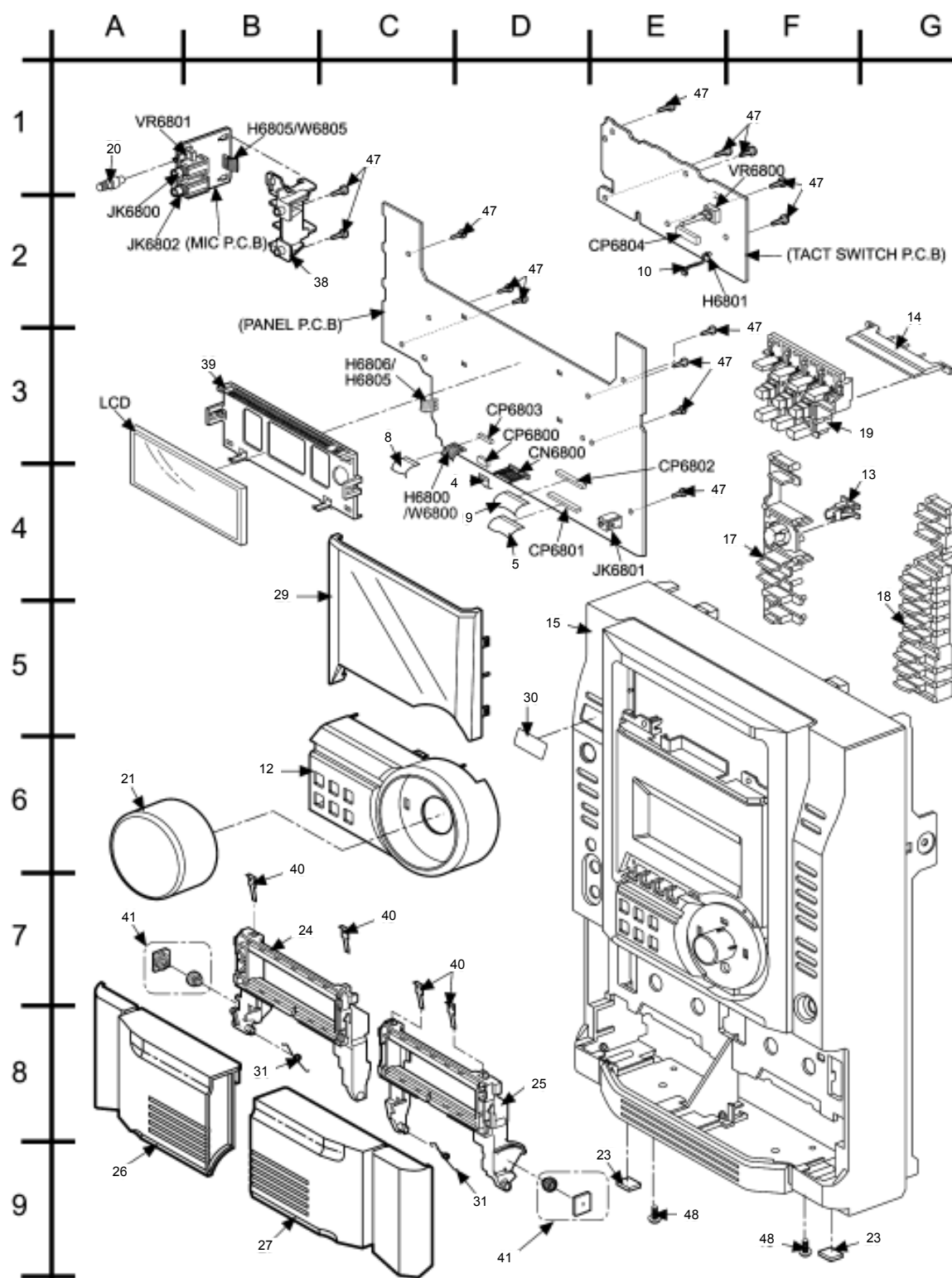
Ref. No.	Part No.	Part Name & Description	Remarks
		TRAVERSE DECK	

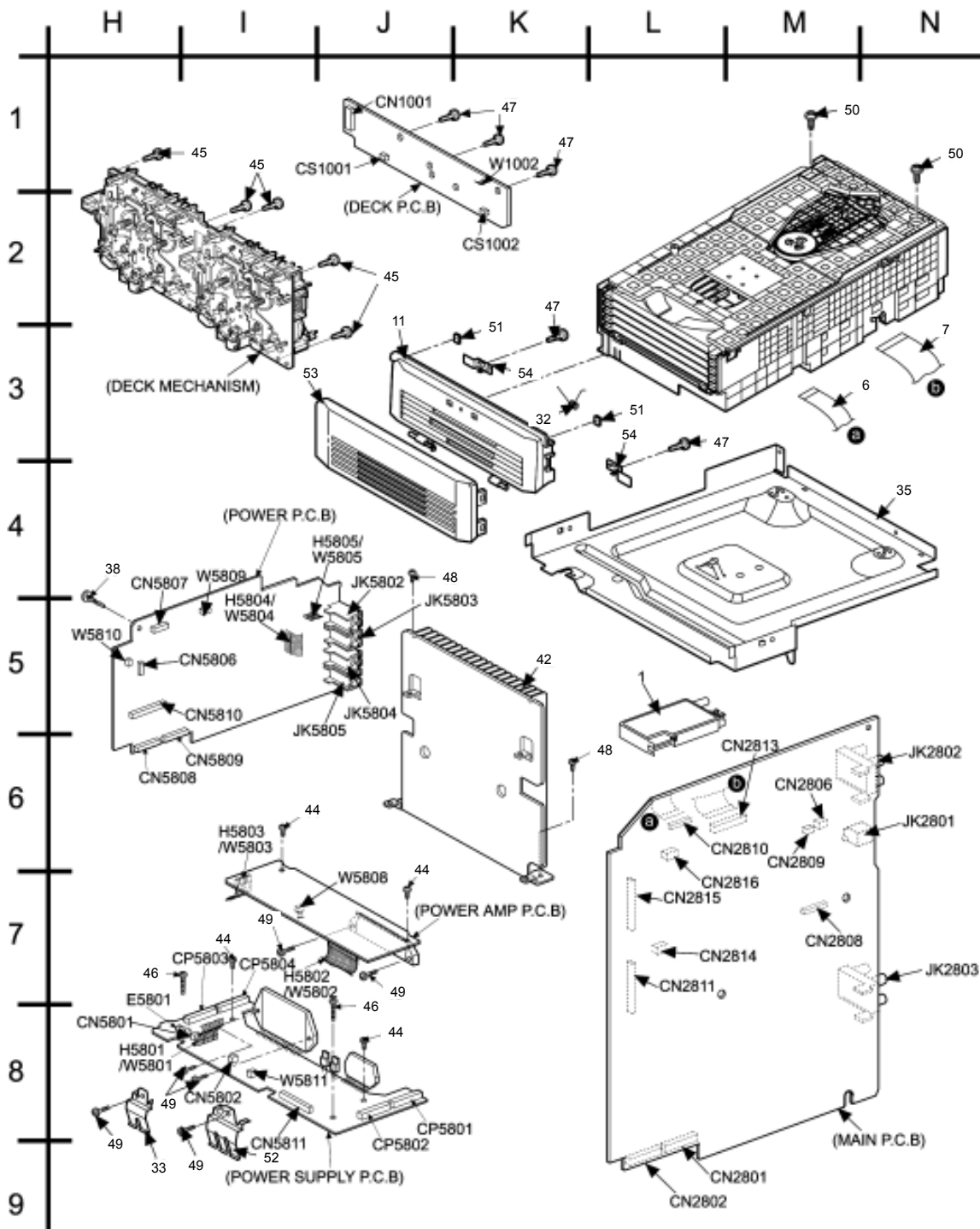
301	RDG0519	MAIN GEAR	[M]
302	RDG0520	SPEED UP GEAR	[M]
303	RDG0521	REVERSE GEAR	[M]
304	RDG0522	GENEVA GEAR	[M]
305	RDG0523	HOR RELAY GEAR	[M]
306	RDG0525	CROWN GEAR	[M]
307	RDG0526	TRAY RELAY GEAR	[M]
308	RDG0527	UD PULLEY GEAR	[M]
309	RDG0528	HOR SPEED DOWN GEAR	[M]
310	RDG0529	HOR SPEED DOWN GEAR	[M]
311	RDG0530	HOR DRIVE GEAR	[M]
312	RDG0531	LOAD RELAY GEAR	[M]
313	RDG0532	LOAD GEAR	[M]
314	RDG0535	UD SPEED DOWN GEAR	[M]
315	RDG0534	UD SPEED DOWN GEAR	[M]
316	RDG0536	SELECT SPEED DOWN GE	[M]
317	RDG0537-1	SELECT DRIVE GEAR	[M]
318	RDG0538-1	CHANGE GEAR	[M]
319	RDG0539	UD DRIVE GEAR	[M]
320	RDG0540	TIMING GEAR	[M]
321	RDG0542	TRAY GEAR	[M]
322	RDG0543	HOR PULLEY GEAR	[M]
323	RDV0068	HOR BELT	[M]
324	RDV0069	UD BELT	[M]
325	RME0344-1	UD ASSIST SPRING	[M]
326	RME0361	TRAY STOPPER SPRING	[M]
327	RME0363-1	LIMIT SPRING	[M]
328	RME0368-1	MAIN GEAR SPRING	[M]
329	RML0616	SPEED UP LOCK	[M]
330	RML0617-2	SEPARATE LEVER 1	[M]
331	RML0618-1	SEPARATE LEVER 2	[M]
332	RML0619-1	UD. CONNECTION LEVER	[M]
333	RML0620	TRV.CONNCT LEVER	[M]
334	RML0621-2	TRAY CHG. LEVER	[M]
335	RML0622-1	TRAY LOCK LEVER	[M]
336	RML0623	OPEN SW. LEVER	[M]
337	RML0624	CHG. LEVER	[M]
338	RML0637	TRAY STOPPER	[M]
339	RMM0239-1	UD.RACK (L)	[M]
340	RMM0240	UD.RACK (R)	[M]
341	RMM0241-1	TRV.SLIDE PLATE (L)	[M]
342	RMM0242-1	TRV.SLIDE PLATE (R)	[M]
343	RMM0243	SELECT RACK	[M]
344	RMM0244	SELECT GUIDE	[M]
345	RMQ1051-2	PITCH PLATE	[M]
346	RMQ1209	UD BASE	[M]
347	RMQ1056	TRAY GUIDE (L)	[M]

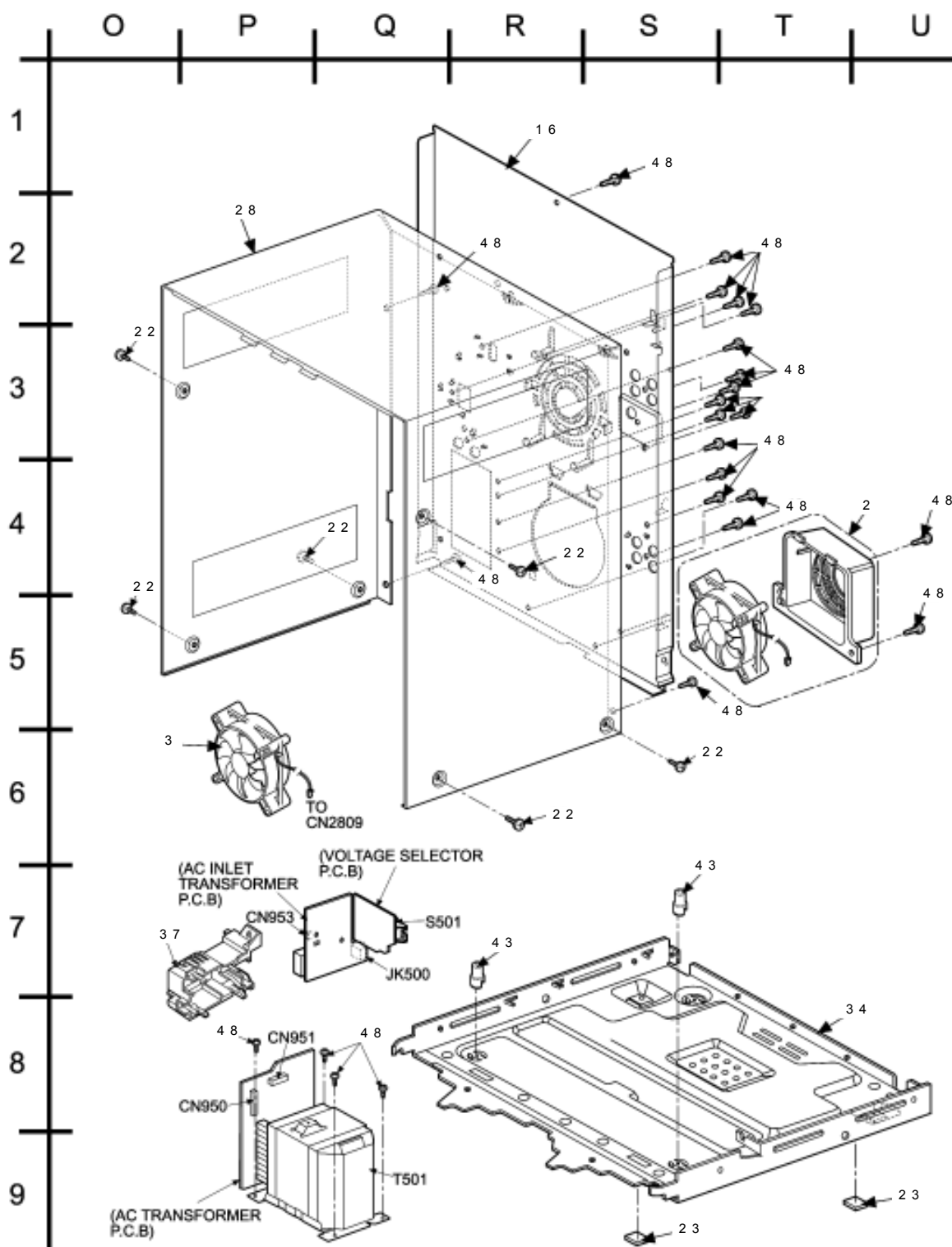
348	RMQ1057	TRAY GUIDE (R)	[M]
349	RMQ1058	GEAR HOLDER	[M]
350	RMQ1059-2	TOP COVER	[M]
351	RMQ1060	CLAMP GUIDE	[M]
352	RMQ1061	TG.PLATE	[M]
353	RMR1531-X	FIXTURE	[M]
354	RMR1446-X	CLAMPER	[M]
355	RMR1407A-H1	TRAY NO. 1	[M]
356	RMR1407B-H1	TRAY NO. 2	[M]
357	RMR1407C-H1	TRAY NO. 3	[M]
358	RMR1407D-H1	TRAY NO. 4	[M]
359	RMR1407E-H1	TRAY NO. 5	[M]
360	RFKNAPM77MDS	MECHA BASE ASS'Y	[M]
361	RMS0762	TRAY GEAR SHAFT	[M]
362	RXG0053	TRAY DRIVE GEAR ASSY	[M]
363	RXQ0803	LOADING MOTOR ASS'Y	[M]
364	RXQ0804	UD MOTOR ASS'Y	[M]
365	XTB3+10J	SCREW	[M]
366	RMC0472	TRAY SPRING	[M]
367	XTV2+6G	SCREW	[M]
368	XWG6FFY	BACK YOKE	[M]
369	JSM0048	MAGNET	[M]
370	RMC0387	SUPPORT SPRING	[M]
371	XTBS26+8J	SCREW	[M]
381	RAE2008W-S	TRAVERSE SUB UNIT	[M]
382	RMG0598-A	FLOATING RUBBER	[M]
383	RMG0617-H	CUSHION RUBBER A	[M]
384	RMG0618-H	CUSHION RUBBER B	[M]
385	RMR1596-K	MIDDLE CHASSIS	[M]
387	RMS0789	FIXED PIN	[M]
388	RAF3112A-S	DVD OPU 7.1H	[M]
389	RMM0261	DRIVE RACK	[M]

26.3 Cabinet

26.3.1 Cabinet Parts Location







26.3.2 Cabinet Parts List

Ref. No.	Part No.	Part Name & Description	Remarks
		CABINET AND CHASSIS	
1	ENG06802QF	TUNER PACK	[M]
2	L6FALEFH0020	FAN UNIT	[M]
3	L6FALEFH0023	FAN	[M]
4	REEX0202-2	MULTICABLE	[M]
5	REEX0370	30P FFC (PANEL TO MAIN)	[M]
6	REEX0371-1	MULTICABLE	[M]
7	REEX0380	50 PIN FFC WIRE	[M]
8	REEX0381	14P FFC (PANEL TO DECK)	[M]
9	REEX0382	28P FFC (PANEL TO MAIN)	[M]
10	REXX0315	ALAMBRE PLANO DE 2 PINES	[M]
11	RGKX0274-S	CD LID	[M]
12	RGKX0275-S	CONTROL PANEL	[M]
13	RGLX0095-Q1	POWER LIGHT CHIP	[M]
14	RGLX0096-Q	CONTROL PANEL LIGHT	[M]
15	RYPX0073-LM7	FRONT PANEL	[M]
16	RGRX0037A-B2	REAR PANEL	[M]
17	RGUX0583-S	POWER BUTTON	[M]
18	RGUX0584-S	CD CONTROL BUTTON	[M]
19	RGUX0585-S	FUNCTION BUTTON	[M]
20	RGWX0056-S	MIC VOL KNOB	[M]
21	RGWX0072-S	VOLUME KNOB	[M]
22	RHD30004-2S	SIDE SCREW	[M]
23	RKA0072-KJ	LEG RUBBER	[M]
24	RKFX0093-K	CASS. HOLDER (L)	[M]
25	RKFX0094-K	CASS. HOLDER (R)	[M]
26	RKFX0123-S	CASS LID L	[M]
27	RKFX0124-S	CASS LID R	[M]
28	RKMX0077EZ-S	TOP CABINET SA-TM82	[M]
29	RKWX0236-H3	FL WINDOW	[M]
30	RKWX0238-S	REMOTE SENSOR WINDOW	[M]
31	RMBX0021	CASS OPEN SPRING	[M]
32	RMBX0033	CD LID OPEN SPRING	[M]
33	RMCX0020	REGMATOR IC CLIP	[M]
34	RMKX0062	BOTTOM CHASSIS	[M]
35	RMKX0096	DVD CHASSIS	[M]
36	RMNX0137	PCB SPACER	[M]
37	RMNX0029C-A	SUB TRANS HOLDER	[M]
38	RMNX0133	MIC JACK HOLDER	[M]
39	RMNX0134-1	FL HOLDER	[M]
40	RUS757ZAA	CASS HALF SPRING	[M]

<u>41</u>	RXGX0002	DAMPER GEAR	[M]
<u>42</u>	RXXX0035-2	HEAT SINK UNIT	[M]
<u>43</u>	SHE187-5J	SOPORTE DE PCB	[M]
<u>44</u>	XTB3+10J-A	TORNILLO	[M]
<u>45</u>	XTB3+10JFZ-A	TORNILLO	[M]
<u>46</u>	XTB3+20J-A	TORNILLO	[M]
<u>47</u>	XTBS26+10J-A	TORNILLO	[M]
<u>48</u>	XTBS3+8JFZ1-A	SCREW	[M]
<u>49</u>	XTW3+15T-A	TORNILLO PARA INTEGRADO	[M]
<u>50</u>	XTW3+8T	SCREW	[M]
<u>51</u>	RMG0547-K	DVD CUSHION	[M]
<u>52</u>	RMC0158-S2	SOPORTE TRANSISTOR	[M]
<u>53</u>	RYQX0131-SLM	CD LID COVER UNIT	[M]
<u>54</u>	RMAX0068	CD LID SUPPORT	[M]

26.4 Electrical Parts List

POSICION	CLAVE	DESCRIPCION
C1001	F1H1H103A753	CHIP CAPACITOR
C1002	ECEA1HKN2R2B	CAPACITOR
C1003	ECUV1H152KBV	CHIP CAPACITOR
C1006	ECEA1HKA010B	CAPACITOR
C1007	F0A2A472A015	CAPACITOR
C1008	ECEA1HKA010B	CAPACITOR
C1010	ECA1EM101B	CAPACITOR
C1011	ECQV1H473JZ3	CAPACITOR
C1012	F1H1H102A761	CHIP CAPACITOR
C1013	F1H1H102A761	CHIP CAPACITOR
C1014	F1H1H102A761	CHIP CAPACITOR
C1015	F1H1H102A761	CHIP CAPACITOR
C1016	ECJ1VB1H222K	CHIP CAPACITOR
C1017	ECJ1VB1H222K	CHIP CAPACITOR
C1018	ECJ1VB1H103K	CHIP CAPACITOR
C1019	F1H1H102A761	CHIP CAPACITOR
C1020	ECJ1VB1H471K	CHIP CAPACITOR
C1021	ECJ1VB1H471K	CHIP CAPACITOR
C1022	F1H1H102A761	CHIP CAPACITOR
C1023	F1H1H102A761	CHIP CAPACITOR
C1026	ECEA0JKA470B	CAPACITOR
C1027	F1H1H102A761	CHIP CAPACITOR
C1030	ECEA1AKA101B	CAPACITOR
C1031	ECEA1AKA101B	CAPACITOR
C1032	F1C1C183A001	CAPACITOR
C1033	F1C1C183A001	CAPACITOR
C1034	ECEA1HKA3R3B	CAPACITOR
C1035	ECEA1HKA3R3B	CAPACITOR
C1036	ECUV1C333KBV	CAPACITOR CHIP
C1037	ECEA1HKA3R3B	CAPACITOR
C1038	ECJ1VB1H221K	CHIP CAPACITOR
C1039	ECJ1VB1H221K	CHIP CAPACITOR
C1040	ECEA1CKA100B	CAPACITOR
C1041	ECEA1CKA100B	CAPACITOR
C1042	ECEA1CKA220B	CAPACITOR
C1043	ECEA1HKA4R7B	CAPACITOR
C1044	ECEA1AKA330B	CAPACITOR
C1045	ECEA1AKA220B	CAPACITOR
C1047	ECEA1HKA010B	CAPACITOR
C1048	ECEA1HKA010B	CAPACITOR
C1049	F1H1H102A761	CHIP CAPACITOR
C1050	F1H1H102A761	CHIP CAPACITOR
C1051	ECEA1HKA010B	CAPACITOR
C1052	ECEA1HKA010B	CAPACITOR
C1053	ECA1CM221B	CAPACITOR
C1054	ECEA1HKA3R3B	CAPACITOR
C1056	ECEA1CKA100B	CAPACITOR
C1057	F1H1H102A761	CHIP CAPACITOR

C1058	F1H1H102A761	CHIP CAPACITOR
C1064	ECEA1HKA3R3B	CAPACITOR
D1003	B0ACCK000005	CHIP DIODE
D1004	B0BC3R700004	DIODO
J1002	W6NL-0	ALAMBRE DESNUDO ESTAFADO
J1003	W6NL-0	ALAMBRE DESNUDO ESTAFADO
J1004	W6NL-0	ALAMBRE DESNUDO ESTAFADO
J1008	W6NL-0	ALAMBRE DESNUDO ESTAFADO
J1009	W6NL-0	ALAMBRE DESNUDO ESTAFADO
J1010	W6NL-0	ALAMBRE DESNUDO ESTAFADO
J1011	W6NL-0	ALAMBRE DESNUDO ESTAFADO
J1012	W6NL-0	ALAMBRE DESNUDO ESTAFADO
J1013	W6NL-0	ALAMBRE DESNUDO ESTAFADO
J1014	W6NL-0	ALAMBRE DESNUDO ESTAFADO
J1015	W6NL-0	ALAMBRE DESNUDO ESTAFADO
J1016	W6NL-0	ALAMBRE DESNUDO ESTAFADO
J1020	W6NL-0	ALAMBRE DESNUDO ESTAFADO
J1021	W6NL-0	ALAMBRE DESNUDO ESTAFADO
J1022	W6NL-0	ALAMBRE DESNUDO ESTAFADO
J1023	W6NL-0	ALAMBRE DESNUDO ESTAFADO
J1028	W6NL-0	ALAMBRE DESNUDO ESTAFADO
J1033	W6NL-0	ALAMBRE DESNUDO ESTAFADO
J1038	W6NL-0	ALAMBRE DESNUDO ESTAFADO
J1111	W6NL-0	ALAMBRE DESNUDO ESTAFADO
L1001	G0C470JA0030	RF CHOKE COIL
L1002	7L1A62N	BOBINA DE OSCILACION
Q1001	KTC3875GRTA	TRANSISTOR
Q1003	B1AAGC000007	TRANSISTOR
Q1004	B1AAGC000007	TRANSISTOR
Q1005	B1AAGC000007	TRANSISTOR
Q1007	KTC3875GRTA	TRANSISTOR
Q1012	KTD1304TA	TRANSISTOR CHIP
Q1013	KTD1304TA	TRANSISTOR CHIP
Q1014	B1ABCF000011	CHIP TRANSISTOR
Q1015	B1ABCF000011	CHIP TRANSISTOR
Q1016	KRA102STA	TRANSISTOR DIGITAL CHIP
Q1017	KTD1146YTA	TRANSISTOR
Q1020	KTD1304TA	TRANSISTOR CHIP
Q1021	KTD1304TA	TRANSISTOR CHIP
R1001	D0GB1R0JA002	CHIP RESISTOR
R1002	ERJ3GEY0R00V	CHIP JUMPER
R1003	ERJ3GEYJ103V	RESISTENCIA CHIP PELÖCULA
R1004	D0GB152JA002	THICK FILM CHIP RESISTOR
R1005	ERJ3GEYJ472V	RESISTENCIA CHIP PELÖCULA
R1006	ERJ3GEYJ102V	RESISTENCIA CHIP PELÖCULA
R1007	ERD25FVJ4R7T	RESISTENCIA
R1009	D0GB183JA002	CHIP RESISTOR
R1010	D0GB183JA002	CHIP RESISTOR
R1011	ERJ3GEYJ103V	RESISTENCIA CHIP PELÖCULA
R1012	ERJ3GEYJ472V	RESISTENCIA CHIP PELÖCULA
R1013	ERJ3GEYJ472V	RESISTENCIA CHIP PELÖCULA
R1014	ERJ3GEYJ472V	RESISTENCIA CHIP PELÖCULA
R1015	ERJ3GEYJ470V	RESISTENCIA CHIP PELÖCULA
R1016	ERJ3GEYJ470V	RESISTENCIA CHIP PELÖCULA

R1017	ERJ3GEYJ822V	RESISTENCIA CHIP PELÖCULA
R1018	D0GB392JA002	CHIP RESISTOR
R1019	D0GB392JA002	CHIP RESISTOR
R1020	ERJ3GEY0R00V	CHIP JUMPER
R1022	ERJ3GEYJ103V	RESISTENCIA CHIP PELÖCULA
R1024	ERJ3GEY0R00V	CHIP JUMPER
R1025	ERJ3GEY0R00V	CHIP JUMPER
R1026	ERJ3GEYJ102V	RESISTENCIA CHIP PELÖCULA
R1027	ERJ3GEY0R00V	CHIP JUMPER
R1028	ERJ3GEYJ822V	RESISTENCIA CHIP PELÖCULA
R1029	D0GB475JA008	CHIP RESISTOR
R1030	D0GB101JA002	THICK FILM CHIP RESISTOR
R1031	D0GB273JA002	THICK FILM CHIP RESISTOR
R1032	ERJ3GEYJ103V	RESISTENCIA CHIP PELÖCULA
R1035	ERJ3GEYJ103V	RESISTENCIA CHIP PELÖCULA
R1040	ERJ3GEY0R00V	CHIP JUMPER
R1045	ERJ3GEYJ104V	RESISTENCIA CHIP PELÖCULA
R1046	ERJ3GEYJ104V	RESISTENCIA CHIP PELÖCULA
R1047	ERJ3GEYJ102V	RESISTENCIA CHIP PELÖCULA
R1048	ERJ3GEYJ102V	RESISTENCIA CHIP PELÖCULA
R1049	D0GB105JA002	CHIP DIODO
R1050	D0GB105JA002	CHIP DIODO
R1051	ERJ3GEYJ221V	RESISTENCIA CHIP PELÖCULA
R1052	ERJ3GEYJ221V	RESISTENCIA CHIP PELÖCULA
R1053	ERJ3GEYJ681V	RESISTENCIA
R1054	ERJ3GEYJ681V	RESISTENCIA
R1055	ERJ3GEYJ222V	RESISTENCIA CHIP PELÖCULA
R1056	ERJ3GEYJ221V	RESISTENCIA CHIP PELÖCULA
R1057	ERJ3GEYJ222V	RESISTENCIA CHIP PELÖCULA
R1059	ERJ3GEYJ103V	RESISTENCIA CHIP PELÖCULA
R1060	ERJ3GEYJ391V	RESISTENCIA CHIP PELÖCULA
R1061	ERJ3GEY0R00V	CHIP JUMPER
R1084	ERJ3GEYJ222V	RESISTENCIA CHIP PELÖCULA
R1085	ERJ3GEYJ473V	RESISTENCIA CHIP PELÖCULA
R1086	ERJ3GEYJ222V	RESISTENCIA CHIP PELÖCULA
R1087	ERJ3GEYJ473V	RESISTENCIA CHIP PELÖCULA
R1090	ERJ3GEYJ221V	RESISTENCIA CHIP PELÖCULA
R1091	ERJ3GEYJ222V	RESISTENCIA CHIP PELÖCULA
R1092	ERJ3GEYJ222V	RESISTENCIA CHIP PELÖCULA
R1093	ERJ3GEYJ102V	RESISTENCIA CHIP PELÖCULA
R1094	ERJ3GEYJ102V	RESISTENCIA CHIP PELÖCULA
R1095	ERJ3GEYJ104V	RESISTENCIA CHIP PELÖCULA
R1096	ERJ3GEYJ104V	RESISTENCIA CHIP PELÖCULA
R1097	ERJ3GEYJ103V	RESISTENCIA CHIP PELÖCULA
R1098	ERJ3GEYJ103V	RESISTENCIA CHIP PELÖCULA
R1099	ERJ3GEY0R00V	CHIP JUMPER
R1100	ERJ3GEY0R00V	CHIP JUMPER
R1101	ERJ3GEY0R00V	CHIP JUMPER
W1002	RWJ0102050KR-1	MULTICABLE 2P
CN1001	K1MN14B00058	CONECTOR
CS1001	RJS1A6805-J	CONECTOR 5P
CS1002	RJS1A6805-J	CONECTOR 5P
IC1001	AN7348S-E1	TAPE PB IC
IC1004	C1AA00000612	SWIC

C1001	ECKR2H103ZF5	CAPACITOR
C1001	ECKR2H103ZF5	CAPACITOR
C1009	ECEA1CKA470B	CAPACITOR
C1046	ECEA1CKA221B	CAPACITOR ELECTROLITICO
C1055	ECEA1CKA220B	CAPACITOR
C1059	ECJ1VB1H103K	CHIP CAPACITOR
C1060	ECJ1VB1H103K	CHIP CAPACITOR
C2100	ECJ1VB1A224K	CHIP - R
C2101	ECJ1VB1A224K	CHIP - R
C2102	ECJ1VC1H102J	CHIP CAPACITOR
C2103	ECJ1VC1H102J	CHIP CAPACITOR
C2104	ECA1HM470B	ELECTROLYTIC CAPACITOR
C2105	ECA1HM470B	ELECTROLYTIC CAPACITOR
C2107	ECEA1HKA010B	CAPACITOR
C2112	ECJ1VB1H221K	CHIP CAPACITOR
C2113	ECEA1HKA4R7B	CAPACITOR
C2115	ECJ1VC1H101K	CHIP RESISTOR
C2116	ECJ1VC1H330J	CHIP CAPACITOR
C2117	ECEA1CKA470B	CAPACITOR
C2118	ECJ1VB1H102K	CHIP CAPACITOR
C2120	ECEA1CKA100B	CAPACITOR
C2121	ECEA1HKA010B	CAPACITOR
C2122	ECJ1VB1C473K	CHIP CAPACITOR
C2123	ECJ1VB1C823K	CHIP CAPACITOR
C2124	ECJ1VC1H101K	CHIP RESISTOR
C2125	ECJ1VC1H470J	CAPACITOR
C2126	ECJ1VC1H470J	CAPACITOR
C2127	ECJ1VB1C105K	CERAMIC CONDENSER
C2128	ECJ1VB1H682K	CHIP RESISTOR
C2129	ECJ2VB1C154K	CAPACITOR CHIP
C2130	ECEA1HKA100B	CAPACITOR
C2134	ECJ1VB1H471K	CHIP CAPACITOR
C2136	W6NL-0	ALAMBRE DESNUDO ESTAFADO
C2137	W6NL-0	ALAMBRE DESNUDO ESTAFADO
C2138	W6NL-0	ALAMBRE DESNUDO ESTAFADO
C2139	ECEA1HKA4R7B	CAPACITOR
C2140	ECEA1HKA4R7B	CAPACITOR
C2141	ECEA1HKA330B	CAPACITOR
C2142	ECJ1VC1H330J	CHIP CAPACITOR
C2143	ECJ1VB1C103K	CAPACITOR
C2144	ECA1HM470B	ELECTROLYTIC CAPACITOR
C2145	ECEA1HKA010B	CAPACITOR
C2146	ECJ1VB1H102K	CHIP CAPACITOR
C2147	ECJ1VB1H104K	CAPACITOR CHIP
C2148	ECJ1VB1C105K	CERAMIC CONDENSER
C2149	F1H1H223A761	CHIP RESISTOR
C2151	ECEA1HKA4R7B	CAPACITOR
C2171	ECJ1VC1H102J	CHIP CAPACITOR
C2200	ECJ1VC1H102J	CHIP CAPACITOR
C2201	ECJ1VC1H102J	CHIP CAPACITOR
C2202	ECA1HM470B	ELECTROLYTIC CAPACITOR
C2203	ECA1HM470B	ELECTROLYTIC CAPACITOR
C2205	ECEA1HKA010B	CAPACITOR
C2210	ECJ1VB1H221K	CHIP CAPACITOR

C2211	ECEA1HKA4R7B	CAPACITOR
C2213	ECJ1VC1H101K	CHIP RESISTOR
C2214	ECJ1VC1H330J	CHIP CAPACITOR
C2215	ECEA1CKA470B	CAPACITOR
C2216	ECJ1VB1H102K	CHIP CAPACITOR
C2218	ECEA1CKA100B	CAPACITOR
C2219	ECEA1HKA010B	CAPACITOR
C2220	ECJ1VB1C823K	CHIP CAPACITOR
C2221	ECJ1VB1C473K	CHIP CAPACITOR
C2222	ECJ1VC1H101K	CHIP RESISTOR
C2223	ECJ1VC1H470J	CAPACITOR
C2224	ECJ1VC1H470J	CAPACITOR
C2225	ECJ1VB1C105K	CERAMIC CONDENSER
C2226	ECJ2VB1C154K	CAPACITOR CHIP
C2227	ECEA1HKA100B	CAPACITOR
C2231	ECJ1VB1H471K	CHIP CAPACITOR
C2233	W6NL-0	ALAMBRE DESNUDO ESTAYADO
C2234	W6NL-0	ALAMBRE DESNUDO ESTAYADO
C2235	W6NL-0	ALAMBRE DESNUDO ESTAYADO
C2236	ECEA1HKA4R7B	CAPACITOR
C2237	ECEA1HKA4R7B	CAPACITOR
C2238	ECEA1HKA330B	CAPACITOR
C2239	ECJ1VC1H330J	CHIP CAPACITOR
C2240	ECJ1VB1C103K	CAPACITOR
C2241	ECA1HM470B	ELECTROLYTIC CAPACITOR
C2242	ECEA1HKA010B	CAPACITOR
C2243	ECJ1VB1H102K	CHIP CAPACITOR
C2244	ECJ1VB1H104K	CAPACITOR CHIP
C2245	ECJ1VB1C105K	CERAMIC CONDENSER
C2246	F1H1H223A761	CHIP RESISTOR
C2247	ECEA1HKA100B	CAPACITOR
C2249	ECEA1HKA4R7B	CAPACITOR
C2268	ECJ1VC1H102J	CHIP CAPACITOR
C2301	ECJ1VB1H682K	CHIP RESISTOR
C2302	ECEA1HKA010B	CAPACITOR
C2303	ECEA1CKA100B	CAPACITOR
C2304	ECJ1VB1H221K	CHIP CAPACITOR
C2305	ECEA1HKA010B	CAPACITOR
C2310	ECEA1HKAR47B	CAPACITOR
C2311	ECJ1VC1H180J	CHIP CAPACITOR
C2312	ECJ1VB1C823K	CHIP CAPACITOR
C2313	ECJ1VC1H220J	CHIP CAPACITOR
C2314	ECJ1VB1C105K	CERAMIC CONDENSER
C2315	ECJ1VB1H471K	CHIP CAPACITOR
C2316	ECJ1VB1H104K	CAPACITOR CHIP
C2317	ECEA1HKA3R3B	CAPACITOR
C2318	ECJ1VC1H330J	CHIP CAPACITOR
C2319	ECEA1HKAR47B	CAPACITOR
C2400	ECEA1CKA100B	CAPACITOR
C2401	ECJ1VB1H221K	CHIP CAPACITOR
C2402	ECEA1HKA010B	CAPACITOR
C2404	ECEA1HKAR47B	CAPACITOR
C2408	ECJ1VB1H471K	CHIP CAPACITOR
C2409	ECJ1VC1H330J	CHIP CAPACITOR

C2410	ECEA1HKAR47B	CAPACITOR
C2500	ECEA1CKA100B	CAPACITOR
C2501	ECJ1VC1H101K	CHIP RESISTOR
C2502	ECEA1HKAR47B	CAPACITOR
C2509	ECEA1HKAR47B	CAPACITOR
C2510	ECJ1VC1H220J	CHIP CAPACITOR
C2511	F1H1H331A765	CHIP CAPACITOR
C2512	ECJ1VB1C105K	CERAMIC CONDENSER
C2513	ECJ1VC1H101K	CHIP RESISTOR
C2514	ECJ1VB1H104K	CAPACITOR CHIP
C2515	ECJ1VF1C474Z	CAPACITOR
C2516	ECJ1VC1H330J	CHIP CAPACITOR
C2517	ECEA1HKAR47B	CAPACITOR
C2600	ECEA1HKA100B	CAPACITOR
C2601	ECJ1VB1H471K	CHIP CAPACITOR
C2602	ECEA1HKA010B	CAPACITOR
C2603	ECEA1HKA3R3B	CAPACITOR
C2604	ECJ1VB1H102K	CHIP CAPACITOR
C2605	ECJ1VC1H101K	CHIP RESISTOR
C2606	ECEA1HKA100B	CAPACITOR
C2607	ECJ1VB1C683K	CAPACITOR CHIP
C2608	ECEA1HKAR47B	CAPACITOR
C2609	ECEA1HKA100B	CAPACITOR
C2610	ECJ1VC1H102J	CHIP CAPACITOR
C2802	EEUFC0J821B	OS - CAP
C2803	ECA1EM221B	C.ELECTROLITICO
C2804	ECJ1VF1A105Z	CHIP CAPACITOR
C2805	ECJ1VF1A105Z	CHIP CAPACITOR
C2806	ECEA0JKA221B	CAPACITOR
C2807	ECJ1VF1A105Z	CHIP CAPACITOR
C2808	ECJ1VF1A105Z	CHIP CAPACITOR
C2809	ECA1EM221B	C.ELECTROLITICO
C2810	EEUFC0J821B	OS - CAP
C2811	ECEA1CKA100B	CAPACITOR
C2812	ECJ1VF1A105Z	CHIP CAPACITOR
C2813	ECJ1VF1A105Z	CHIP CAPACITOR
C2814	ECEA1AKA101B	CAPACITOR
C2820	ECEA0JKA221B	CAPACITOR
C2821	ECJ1VF1A105Z	CHIP CAPACITOR
C2822	ECEA1AKA101B	CAPACITOR
C2823	ECEA1AKA221B	CAPACITOR ELECTROLITICO
C2824	ECEA1CKA470B	CAPACITOR
C2825	ECEA1CKA470B	CAPACITOR
C2826	ECJ1VB1H103K	CHIP CAPACITOR
C2827	ECJ1VC1H220J	CHIP CAPACITOR
C2828	ECEA1CKA470B	CAPACITOR
C2829	ECJ1VB1H103K	CHIP CAPACITOR
C2830	ECEA1CKA470B	CAPACITOR
C2831	ECJ1VB1H103K	CHIP CAPACITOR
C2832	ECJ1VB1H103K	CHIP CAPACITOR
C2833	F2A0J102A130	CAPACITOR ELECTRONICO
C2834	ECEA0JKA101B	CAPACITOR
C2835	F2A0J102A130	CAPACITOR ELECTRONICO
C2836	ECEA0JKA101B	CAPACITOR

C2837	F2A0J102A130	CAPACITOR ELECTRONICO
C2838	ECEA0JKA101B	CAPACITOR
C2839	ECEA0JKA331B	CONDENSADOR ELECTROLITICO
C2840	ECEA0JKA331B	CONDENSADOR ELECTROLITICO
C2842	ECJ1VF1A105Z	CHIP CAPACITOR
C2843	ECJ1VF1A105Z	CHIP CAPACITOR
C2846	ECJ1VB1H102K	CHIP CAPACITOR
C2847	ECJ1VB1H102K	CHIP CAPACITOR
C2848	ECJ1VB1H471K	CHIP CAPACITOR
C2849	ECJ1VB1H102K	CHIP CAPACITOR
C2850	ECJ1VB1H471K	CHIP CAPACITOR
C2851	ECJ1VB1H471K	CHIP CAPACITOR
C2855	ECEA1CKA100B	CAPACITOR
C2860	ECEA1HKA4R7B	CAPACITOR
C2862	ECEA1HKA4R7B	CAPACITOR
C2864	ECEA1CKA100B	CAPACITOR
C2865	ECEA1HKA4R7B	CAPACITOR
C2867	ECEA1HKA4R7B	CAPACITOR
C2868	ECJ1VB1E103K	CHIP CAPACITOR
C2869	ECJ1VB1C103K	CAPACITOR
C2870	ECJ1VB1E103K	CHIP CAPACITOR
C2871	ECA1CM331B	C.ELECTROLITICO
C2872	ECJ1VB1E103K	CHIP CAPACITOR
C2873	ECJ1VB1E103K	CHIP CAPACITOR
C2874	ECJ1VF1A105Z	CHIP CAPACITOR
C2875	ECJ1VF1A105Z	CHIP CAPACITOR
C2877	ECJ1VB1E103K	CHIP CAPACITOR
C2878	ECJ1VB1E103K	CHIP CAPACITOR
C2879	ECEA1CN100SB	CAP.ELECTROLITICO
C2880	ECA1CM331B	C.ELECTROLITICO
C2881	ECJ1VB1E103K	CHIP CAPACITOR
C2883	ECJ1VB1E103K	CHIP CAPACITOR
C2884	ECJ1VB1E103K	CHIP CAPACITOR
C2885	F2J1H100A048	CAPACITOR ELECTRONICO
C2886	ECA1CM221B	CAPACITOR
C2889	ECA1CM221B	CAPACITOR
C2899	ECEA1HKA2R2B	CAPACITOR
C2900	ECJ1VB1H472K	CHIP CAPACITOR
C2901	ECJ1VB1H561K	CHIP CAPACITOR
C2902	ECJ1VB1H102K	CHIP CAPACITOR
C2903	ECJ1VB1E103K	CHIP CAPACITOR
C2904	F1H1H272A013	CHIP RESISTOR
C2905	ECJ1VB1H102K	CHIP CAPACITOR
C2906	ECJ1VB1A224K	CHIP - R
C2907	ECJ1VB1H182K	CHIP CAPACITOR
C2908	ECJ1VB1A224K	CHIP - R
C2909	ECJ1VB1A224K	CHIP - R
C2910	ECJ1VF1C474Z	CAPACITOR
C2911	ECJ1VF1C474Z	CAPACITOR
C2912	ECJ2VF1E473Z	CHIP CAPACITOR
C2913	ECJ1VB1H104K	CAPACITOR CHIP
C2914	ECJ1VB1A224K	CHIP - R
C2915	ECJ1VB1A224K	CHIP - R
C2916	ECEA1CKA101B	CAPACITOR

C2917	ECUV1H683KBV	CHIP CAPACITOR
C2918	ECUV1H683KBV	CHIP CAPACITOR
C2919	ECUV1H683KBV	CHIP CAPACITOR
C2920	ECJ1VB1C683K	CAPACITOR CHIP
C2921	ECEA1CKA470B	CAPACITOR
C2922	ECEA1CKA101B	CAPACITOR
C2923	ECJ1VB1H104K	CAPACITOR CHIP
C2924	ECJ1VB1H104K	CAPACITOR CHIP
C2925	ECJ1VB1H472K	CHIP CAPACITOR
C2926	ECJ1VB1H472K	CHIP CAPACITOR
C2927	ECUV1H683KBV	CHIP CAPACITOR
C2928	ECJ1VB1H104K	CAPACITOR CHIP
C2929	ECJ1VB1H104K	CAPACITOR CHIP
C2930	ECUV1H683KBV	CHIP CAPACITOR
C2931	ECJ1VB1H472K	CHIP CAPACITOR
C2932	ECJ1VB1H472K	CHIP CAPACITOR
C2933	ECEA1HKA010B	CAPACITOR
C2934	ECEA1CKA101B	CAPACITOR
C2935	ECJ1VB1H104K	CAPACITOR CHIP
C2936	ECEA1HKA2R2B	CAPACITOR
C2937	ECJ1VB1H332K	CHIP CAPACITOR
C2938	ECJ2VB1C154K	CAPACITOR CHIP
C2939	ECEA1HKA010B	CAPACITOR
C2940	ECEA1HKA010B	CAPACITOR
C2941	ECEA1HKA010B	CAPACITOR
C2942	ECJ1VB1H102K	CHIP CAPACITOR
C2943	ECJ1VB1H102K	CHIP CAPACITOR
C2944	ECJ1VB1H123K	CHIP CAPACITOR
C2945	ECJ1VB1A224K	CHIP - R
C2946	ECJ1VB1H332K	CHIP CAPACITOR
C2947	ECJ1VC1H102J	CHIP CAPACITOR
C2948	ECJ1VC1H102J	CHIP CAPACITOR
C2949	ECJ1VB1E103K	CHIP CAPACITOR
C2950	ECJ1VB1E103K	CHIP CAPACITOR
C2951	ECJ1VB1H332K	CHIP CAPACITOR
C2952	ECEA1HKN4R7B	RESISTENCIA
C2953	ECJ1VB1A224K	CHIP - R
C2954	ECEA1HKA100B	CAPACITOR
C2955	ECJ1VB1H104K	CAPACITOR CHIP
C2956	ECJ1VB1H104K	CAPACITOR CHIP
C2959	ECJ1VC1H101K	CHIP RESISTOR
C2961	ECJ1VC1H102J	CHIP CAPACITOR
C2962	ECEA1CKA470B	CAPACITOR
C2963	ECEA1CKA470B	CAPACITOR
C5100	ECBT1H821KB5	CAPACITOR CERAMICO
C5101	ECBT1H150JC5	CAPACITOR
C5102	ECBT1H821KB5	CAPACITOR CERAMICO
C5103	ECBT1H150JC5	CAPACITOR
C5104	F1D1H1040002	CAPACITOR
C5105	F1D1H1040002	CAPACITOR
C5106	ECEA1HKAR47B	CAPACITOR
C5200	ECBT1H821KB5	CAPACITOR CERAMICO
C5201	ECBT1H150JC5	CAPACITOR
C5202	ECBT1H821KB5	CAPACITOR CERAMICO

C5203	ECBT1H150JC5	CAPACITOR
C5204	F1D1H1040002	CAPACITOR
C5205	F1D1H1040002	CAPACITOR
C5206	ECEA1HKAR47B	CAPACITOR
C5300	ECBT1H821KB5	CAPACITOR CERAMICO
C5301	ECBT1H150JC5	CAPACITOR
C5302	F1D1H473A012	CAPACITOR
C5400	ECBT1H821KB5	CAPACITOR CERAMICO
C5401	ECBT1H150JC5	CAPACITOR
C5402	F1D1H473A012	CAPACITOR
C5500	ECBT1H821KB5	CAPACITOR CERAMICO
C5501	ECBT1H150JC5	CAPACITOR
C5502	F1D1H1040002	CAPACITOR
C5503	F1D1H1040002	CAPACITOR
C5600	ECBT1H821KB5	CAPACITOR CERAMICO
C5601	ECBT1H150JC5	CAPACITOR
C5602	F1D1H1040002	CAPACITOR
C5603	F1D1H1040002	CAPACITOR
C5604	F1D1H1040002	CAPACITOR
C5605	F1D1H1040002	CAPACITOR
C5606	F1D1H1040002	CAPACITOR
C5607	F1D1H1040002	CAPACITOR
C5801	ECKR1H103ZF5	CONDENSADOR
C5802	ECKR1H103ZF5	CONDENSADOR
C5803	ECBT1E103ZF5	CAPACITOR
C5804	ECBT1H473ZF5	CAPACITOR CERAMICO
C5805	ECBT1H102KB5	CAPACITOR
C5806	ECA1CM221B	CAPACITOR
C5807	ECEA1HKA2R2B	CAPACITOR
C5808	ECA1EM331B	ELECTROLYTIC CAPACITOR
C5809	ECA1HM470B	ELECTROLYTIC CAPACITOR
C5810	ECA1HM470B	ELECTROLYTIC CAPACITOR
C5811	ECA1HM470B	ELECTROLYTIC CAPACITOR
C5812	ECA1HM470B	ELECTROLYTIC CAPACITOR
C5813	ECEA0JKA221B	CAPACITOR
C5814	ECBT1H102KB5	CAPACITOR
C5815	F2A1V472A082	CAPACITOR ELECTROLITICO
C5816	F2A1H332A236	ELECTROLYTIC CAPACITOR
C5817	F2A1H332A236	ELECTROLYTIC CAPACITOR
C5818	F2A1V472A082	CAPACITOR ELECTROLITICO
C5819	ECQV1H184JL3	CAPACITOR
C5820	ECKR1H103ZF5	CONDENSADOR
C5821	ECKR1H103ZF5	CONDENSADOR
C5822	ECBT1H103KB5	AXIAL CAPACITOR
C5823	ECEA1HKA2R2B	CAPACITOR
C5824	ECA0JM471B	CAPACITOR
C5825	ECKR1H103ZF5	CONDENSADOR
C5826	ECKR1H103ZF5	CONDENSADOR
C5827	ECBT1H473ZF5	CAPACITOR CERAMICO
C5828	ECBT1E103ZF5	CAPACITOR
C5829	F2A1V472A082	CAPACITOR ELECTROLITICO
C5830	F2A1H332A236	ELECTROLYTIC CAPACITOR
C5831	ECKR1H103ZF5	CONDENSADOR
C5832	ECKR1H103ZF5	CONDENSADOR

C5833	ECBT1H473ZF5	CAPACITOR CERAMICO
C5834	ECBT1E103ZF5	CAPACITOR
C5835	F2A1H332A236	ELECTROLYTIC CAPACITOR
C5836	F2A1V472A082	CAPACITOR ELECTROLITICO
C5837	ECA1HM470B	ELECTROLYTIC CAPACITOR
C5838	ECQE1104KF3	CAPACITOR
C5839	ECQE1104KF3	CAPACITOR
C5840	ECKR2H103ZF5	CAPACITOR
C5841	F2A1V472A082	CAPACITOR ELECTROLITICO
C5842	ECA1HM470B	ELECTROLYTIC CAPACITOR
C5843	ECKR1H103MD5	CERAMIC CAPACITOR
C5844	ECA2AM100B	CAPACITOR ELECTROLITICO
C5846	ECKR1H103ZF5	CONDENSADOR
C5847	F2A1E471A205	E. CAP
C5848	F2A1E471A205	E. CAP
C5849	ECKR1H102ZF5	CAPACITOR CERAMICO
C5850	ECKR1H103MD5	CERAMIC CAPACITOR
C5851	ECEA1AKA470B	CAPACITOR
C5852	ECA1HM470B	ELECTROLYTIC CAPACITOR
C5853	ECBT1H103KB5	AXIAL CAPACITOR
C5854	ECBT1H103KB5	AXIAL CAPACITOR
C6013	ECJ1VC1H560J	CHIP CAPACITOR
C6014	ECJ1VB1H102K	CHIP CAPACITOR
C6015	ECJ1VB1H102K	CHIP CAPACITOR
C6016	ECJ1VC1H560J	CHIP CAPACITOR
C6800	ECJ1VC1H101K	CHIP RESISTOR
C6801	ECJ1VC1H101K	CHIP RESISTOR
C6802	ECJ1VC1H101K	CHIP RESISTOR
C6803	ECJ1VC1H101K	CHIP RESISTOR
C6804	ECJ1VC1H101K	CHIP RESISTOR
C6805	ECJ1VC1H101K	CHIP RESISTOR
C6806	ECJ1VC1H101K	CHIP RESISTOR
C6807	ECJ1VC1H101K	CHIP RESISTOR
C6808	ECJ1VC1H101K	CHIP RESISTOR
C6809	ECJ1VC1H101K	CHIP RESISTOR
C6811	ECJ1VB1H102K	CHIP CAPACITOR
C6812	ECJ1VB1H102K	CHIP CAPACITOR
C6813	ECJ1VC1H101K	CHIP RESISTOR
C6814	ECJ1VC1H101K	CHIP RESISTOR
C6815	ECJ1VC1H101K	CHIP RESISTOR
C6817	ECJ1VB1H471K	CHIP CAPACITOR
C6818	ECJ1VB1H103K	CHIP CAPACITOR
C6819	ECJ1VB1H471K	CHIP CAPACITOR
C6820	ECJ1VB1H103K	CHIP CAPACITOR
C6821	ECEA1AKA220B	CAPACITOR
C6822	ECJ1VC1H101K	CHIP RESISTOR
C6823	ECJ1VC1H101K	CHIP RESISTOR
C6824	ECJ1VC1H101K	CHIP RESISTOR
C6825	ECJ1VC1H101K	CHIP RESISTOR
C6826	ECJ1VC1H101K	CHIP RESISTOR
C6827	ECJ1VC1H101K	CHIP RESISTOR
C6828	ECA1AM102B	CAPACITOR
C6829	ECEA0JKA101B	CAPACITOR
C6830	ECJ1VB1H104K	CAPACITOR CHIP

C6831	ECEA1HKA0R1B	CAPACITOR
C6832	ECJ1VB1H103K	CHIP CAPACITOR
C6833	ECEA1HKA4R7B	CAPACITOR
C6834	ECJ1VC1H390J	CHIP CAPACITOR
C6835	ECJ1VC1H390J	CHIP CAPACITOR
C6840	ECJ1VC1H150J	CHIP CAPACITOR
C6841	ECJ1VC1H150J	CHIP CAPACITOR
C6842	ECUV1H473ZFN	CHIP CAPACITOR
C6843	ECJ1VB1C223K	CAPACITOR
C6844	ECJ1VB1C223K	CAPACITOR
C6845	ECJ1VB1C223K	CAPACITOR
C6846	ECJ1VC1H331J	CHIP CAPACITOR
C6847	ECJ1VC1H331J	CHIP CAPACITOR
C6848	ECEA1VKA4R7B	CAPACITOR ELECTROLITICO
C6849	ECJ1VB1H103K	CHIP CAPACITOR
C6851	ECJ1VB1H103K	CHIP CAPACITOR
C6852	ECJ1VB1H102K	CHIP CAPACITOR
C6853	ECEA0JKA470B	CAPACITOR
C6854	ECEA1HKA3R3B	CAPACITOR
C6855	ECEA1HKA220B	CAPACITOR
C6856	ECEA1HKA220B	CAPACITOR
C6857	ECJ1VB1H102K	CHIP CAPACITOR
C6858	ECJ1VB1H103K	CHIP CAPACITOR
C6859	ECJ1VB1H103K	CHIP CAPACITOR
C6860	ECKR2H103ZF5	CAPACITOR
C6861	ECEA1HKA0R1B	CAPACITOR
C6862	ECEA1HKA0R1B	CAPACITOR
C6863	ECEA1HKA0R1B	CAPACITOR
C6865	ECEA1HKA010B	CAPACITOR
C6866	ECJ1VB1H102K	CHIP CAPACITOR
C6867	ECJ1VC1H101K	CHIP RESISTOR
C6868	ECJ1VB1H102K	CHIP CAPACITOR
C6869	ECA1CM471B	CAPACITOR
C6870	ECEA1HKA010B	CAPACITOR
C6871	ECJ1VB1H103K	CHIP CAPACITOR
C6872	ECEA1HKAR33B	CAPACITOR
C6873	ECJ1VB1E223K	CAPACITOR
C6875	ECJ1VB1C223K	CAPACITOR
C6876	ECJ1VB1C223K	CAPACITOR
C6877	ECJ1VC1H101K	CHIP RESISTOR
C6878	ECJ1VC1H101K	CHIP RESISTOR
C6879	ECEA1HKA4R7B	CAPACITOR
C6881	ECEA1HKA3R3B	CAPACITOR
C6882	ECJ1VB1H471K	CHIP CAPACITOR
C6885	ECUV1H102KBV	CAPACITOR CHIP
C6886	ECJ1VB1H331K	CHIP CAPACITOR
C6887	ECJ1VB1H331K	CHIP CAPACITOR
C6888	ECJ1VB1H331K	CHIP CAPACITOR
C6889	ECJ1VB1H104K	CAPACITOR CHIP
C6890	F2A0J101A245	ELECTROLYTIC CAPACITOR
C6891	ECJ1VC1H101K	CHIP RESISTOR
C6892	ECJ1VB1H102K	CHIP CAPACITOR
C6893	F2A0J101A245	ELECTROLYTIC CAPACITOR
C6894	ECJ1VB1H102K	CHIP CAPACITOR

C6895	F2A1C100A234	ELECTROLYTIC CAPACITOR
C6896	ECJ1VB1H471K	CHIP CAPACITOR
C6898	ECJ1VB1H102K	CHIP CAPACITOR
C6899	ECJ1VB1H102K	CHIP CAPACITOR
CN2801	K1KB12B00036	P2 MO CONNECTOR (12 LOC)
CN2802	K1KB12B00036	P2 MO CONNECTOR (12 LOC)
CN2806	K1KA02A00008	CONNECTOR
CN2808	K1KA10A00263	10 PIN CONNECTOR
CN2809	K1KA02A00375	2P CONNECTOR
CN2810	K1MN14B00066	14 PIN FFC CON (1MMPITCH)
CN2811	K1MN30A00046	CONECTOR 30P
CN2813	K1MN50A00008	1-PIECE CONNECTORS
CN2814	RJT029W03VT	CONECTOR
CN2815	K1MN28A00016	CONECTOR 30P
CN2816	K1KA02A00375	2P CONNECTOR
CN5801	K1KA02A00375	2P CONNECTOR
CN5802	K1KA02A00375	2P CONNECTOR
CN5806	K1KA07A00184	7P CONNECTOR
CN5807	RJT119W08V	CONECTOR
CN5808	K1KB12B00036	P2 MO CONNECTOR (12 LOC)
CN5809	K1KB12B00036	P2 MO CONNECTOR (12 LOC)
CN5810	RJT119W15V	15 PIN WIRE HOLDER
CN5811	RJT119W15V	15 PIN WIRE HOLDER
CN6800	K1KA11B00033	CONECTOR
CN950	RJT119W10V	10 PIN CONNECTOR
CN951	RJT119W07V	7 PIN WIRE CONNECTOR
CN953	RJT029W03VT	CONECTOR
CN971	K1MN10B00104	10P FFC CONNECTOR
Conc.clas.	Nº componente	Texto breve-objeto
CP5801	K1KA12A00184	P2 MQ CONNECTOR (12P)
CP5802	K1KA12A00184	P2 MQ CONNECTOR (12P)
CP5803	K1KA12A00184	P2 MQ CONNECTOR (12P)
CP5804	K1KA12A00184	P2 MQ CONNECTOR (12P)
CP6800	K1MN10B00104	10P FFC CONNECTOR
CP6801	K1MN30A00046	CONECTOR 30P
CP6802	K1MN28A00016	CONECTOR 30P
CP6803	K1MN14A00049	FF CONECTOR
CP6804	RJU071H11M	CONECTOR
D2801	B0JCPD000025	DIODE
D2802	B0JCPD000025	DIODE
D2803	B0BC7R500001	CHIP DIODE
D2804	B0BC7R500001	CHIP DIODE
D2808	B0ACCK000005	CHIP DIODE
D2809	B0ACCK000005	CHIP DIODE
D2815	B0ACCK000005	CHIP DIODE
D2816	B0ACCK000005	CHIP DIODE
D2817	B0ACCK000005	CHIP DIODE
D2818	B0ACCK000005	CHIP DIODE
D2819	B0ACCK000005	CHIP DIODE
D2820	B0BC01000014	DIODO
D2821	B0ACCK000005	CHIP DIODE
D2822	B0BC01000014	DIODO
D2823	B0EAKM000117	DIODO
D2824	B0ACCK000005	CHIP DIODE

D2825	B0ACCK000005	CHIP DIODE
D2826	B0ACCK000005	CHIP DIODE
D2827	B0EAKM000117	DIODO
D2828	B0ACCK000005	CHIP DIODE
D2829	B0ACCK000005	CHIP DIODE
D2830	B0ACCK000005	CHIP DIODE
D2831	B0ACCK000005	CHIP DIODE
D2832	B0ADCJ000020	DUAL CHIP DIODE
D2833	B0ACCK000005	CHIP DIODE
D2834	B0BC5R000009	CHIP ZENER DIODE
D2835	B0ACCK000005	CHIP DIODE
D2836	B0EAKM000117	DIODO
D2850	B0BC9R000008	DIODO
D5801	B0JAPG000019	DIODE
D5802	B0JAPG000019	DIODE
D5803	B0BA01900005	ZENER DIODE
D5804	B0BA01900005	ZENER DIODE
D5805	B0BA01900005	ZENER DIODE
D5806	B0BA01900005	ZENER DIODE
D5807	B0EAKM000117	DIODO
D5808	B0EAKM000117	DIODO
D5809	B0AACK000004	DIODE
D5810	B0AACK000004	DIODE
D5814	B0AACK000004	DIODE
D5815	B0AACK000004	DIODE
D5816	B0BA01900035	DIODO
D5817	B0BA01700031	DIODE
D5818	B0BA01200046	ZENER DIODE
D5819	B0AACK000004	DIODE
D5820	B0AACK000004	DIODE
D5821	B0AACK000004	DIODE
D5822	B0JAPG000019	DIODE
D5823	B0JAPG000019	DIODE
D5824	B0JAPG000019	DIODE
D5825	B0JAPG000019	DIODE
D5831	B0FBAM000009	RECTIFICADOR DE PUENTE DE 8 A
D5832	B0FBAM000009	RECTIFICADOR DE PUENTE DE 8 A
D5833	B0EAKM000126	DIODO
D5834	B0EAKM000126	DIODO
D5835	B0BA02600018	ZENER DIODE
D5836	B0EAKM000125	DIODO
D5837	B0EAKM000125	DIODO
D5838	B0EAKM000125	DIODO
D5839	B0BA7R000005	DIODO
D5840	B0EAKM000125	DIODO
D5841	B0AACK000004	DIODE
D5842	B0EAKM000125	DIODO
D5844	B0EBNL000004	DIODO
D5846	B0FBAM000009	RECTIFICADOR DE PUENTE DE 8 A
D5847	B0FBAM000009	RECTIFICADOR DE PUENTE DE 8 A
D5848	B0AACK000004	DIODE
D5849	B0AACK000004	DIODE
D5850	B0AACK000004	DIODE
D5851	B0AACK000004	DIODE

D5852	B0AACK000004	DIODE
D5853	B0AACK000004	DIODE
D5854	B0AACK000004	DIODE
D5855	B0AACK000004	DIODE
D5856	B0AACK000004	DIODE
D5857	B0AACK000004	DIODE
D5858	B0AACK000004	DIODE
D5858	B0BC5R000009	CHIP ZENER DIODE
D5859	B0AACK000004	DIODE
D5859	B0EAKM000117	DIODO
D5860	B0AACK000004	DIODE
D5861	B0AACK000004	DIODE
D5871	B0ACCK000005	CHIP DIODE
D6000	B3AAA0000583	LED
D6801	B0ACCK000005	CHIP DIODE
D6802	B0ACCE000003	DIODO
D6803	B0ACCE000003	DIODO
D6804	B0BC5R600003	CHIP DIODO
D6806	B0ACCK000005	CHIP DIODE
D6808	B3AAA0000583	LED
D6809	B3AAA0000583	LED
D6810	B3AAA0000583	LED
D6811	B3AAA0000583	LED
D6813	B0ACCK000005	CHIP DIODE
D6814	B3AAA0000583	LED
D6815	B0BC5R600003	CHIP DIODO
D950	B0EAKM000126	DIODO
D951	MA2C16500E	DIODE
D971	MA2C16500E	DIODE
E5801	SNE1004-2	TERMINAL DE TIERRA
F1	K5D402AQ0002	PRIMARY FUSE 4A
F3	K5D632BK0007	FUSIBLE DE 6.3A
F4	K5D632BK0007	FUSIBLE DE 6.3A
FC1	EYF52BC	FUSIBLE TERMINAL
FC2	EYF52BC	FUSIBLE TERMINAL
FC5	EYF52BC	FUSIBLE TERMINAL
FC6	EYF52BC	FUSIBLE TERMINAL
FC7	EYF52BC	FUSIBLE TERMINAL
FC8	EYF52BC	FUSIBLE TERMINAL
FL6800	A2BD00000092	FL DISPLAY
FP5801	K5G402A00010	FUSE PROTECTOR
FP5802	K5G102A00023	FUSE PROTECTOR
H5801	K1YF15000004	15 PIN WIRE HOLDER
H5802	K1YF15000004	15 PIN WIRE HOLDER
H5803	RJS1A5508	SOPORTE CABLE 8P
H5804	K1YF10000006	10 PIN WIRE HOLDER
H5805	K1YF07000003	SOPORTE CABLE 7P
H6800	K1YZ07000001	JACK
H6801	K1YZ02000015	2P WIRE HOLDER
H6805	K1YZ07000001	JACK
H6806	K1YZ07000001	JACK
IC2801	C0CBADG00005	CIRCUITO INTEGRADO
IC2802	C0DBAZG00033	POWER SUPPLY IC
IC2803	C0DBAZG00033	POWER SUPPLY IC

IC2806	C0CBADG00005	CIRCUITO INTEGRADO
IC2807	C0DBEFG00003	REGULATOR IC
IC2808	C0CBADG00005	CIRCUITO INTEGRADO
IC2809	C9ZB00000377	IC
IC2811	C0AABB000117	CIRCUITO INTEGRADO
IC2812	KIA4558FEL	CIRCUITO INTEGRADO
IC2813	C1BB00000801	IC
IC2815	C1BB00000845	ASP IC
IC2816	C0ABCB000052	Q4AD OP-AMP
IC2817	C0ABCB000052	Q4AD OP-AMP
IC2818	C0JBAR000292	CIRCUITO INTEGRADO
IC2819	KIA4558FEL	CIRCUITO INTEGRADO
IC5801	RSN309W44B-P	AMPLIFICADOR DE PODER
IC5802	C5BA00000113	IC REGULADOR
IC5803	RSN312H24-P	SCF02
IC5805	RSN312H24-P	SCF02
IC6800	C2CBJG000460	IC
IC6801	C3EBDG000052	IC
IC6802	C1BB00000086	SPE ANA IC
IC6803	C0HBB0000039	FL DRIVE IC
IC951	CNB13030R2AU	FOTOACOPLADOR
IC971	CNB13030R2AU	FOTOACOPLADOR
J1006	W6NL-0	ALAMBRE DESNUDO ESTAYADO
J13	W6NL-0	ALAMBRE DESNUDO ESTAYADO
J130	W6NL-0	ALAMBRE DESNUDO ESTAYADO
J14	W6NL-0	ALAMBRE DESNUDO ESTAYADO
J140	W6NL-0	ALAMBRE DESNUDO ESTAYADO
J15	W6NL-0	ALAMBRE DESNUDO ESTAYADO
J150	W6NL-0	ALAMBRE DESNUDO ESTAYADO
J16	W6NL-0	ALAMBRE DESNUDO ESTAYADO
J160	W6NL-0	ALAMBRE DESNUDO ESTAYADO
J3	W6NL-0	ALAMBRE DESNUDO ESTAYADO
J584	W6NL-0	ALAMBRE DESNUDO ESTAYADO
J585	W6NL-0	ALAMBRE DESNUDO ESTAYADO
J586	W6NL-0	ALAMBRE DESNUDO ESTAYADO
J587	W6NL-0	ALAMBRE DESNUDO ESTAYADO
J6	W6NL-0	ALAMBRE DESNUDO ESTAYADO
J60	W6NL-0	ALAMBRE DESNUDO ESTAYADO
J90	W6NL-0	ALAMBRE DESNUDO ESTAYADO
J980	W6NL-0	ALAMBRE DESNUDO ESTAYADO
J982	W6NL-0	ALAMBRE DESNUDO ESTAYADO
J983	W6NL-0	ALAMBRE DESNUDO ESTAYADO
JK2801	K1CB105B0039	S-VIDEO JACK
JK2802	K2HA408B0061	JACK RCA
JK2803	RJH2405L	4 PIN RCA JACK
JK500	K2AA2B000004	AC IN
JK5802	K4BC04B00073	JACK
JK5803	K4BC04B00073	JACK
JK5804	K4BC04B00074	JACK
JK5805	K4BC06B00043	CONECTOR DE BAFLES
JK6800	K2HB102J0038	JACK
JK6801	K2HC103A0023	CONECTOR DE BAFLES
JK6802	K2HB102J0038	JACK
L2100	J0JBC0000041	CHIP INDUCTOR

L2101	J0JBC0000041	CHIP INDUCTOR
L2200	J0JBC0000041	CHIP INDUCTOR
L2201	J0JBC0000041	CHIP INDUCTOR
L2802	G0A101G00022	BOBINA
L2805	G0A101G00022	BOBINA
L2809	ELESN220JA	COIL
L2810	ELJFCR39KF	CHIP INDUCTOR
L2811	J0JCC0000120	CHIP BOBINA
L2812	J0JCC0000120	CHIP BOBINA
L2813	J0JCC0000120	CHIP BOBINA
L2814	J0JCC0000120	CHIP BOBINA
L2815	J0JCC0000120	CHIP BOBINA
L2816	J0JCC0000120	CHIP BOBINA
L2819	J0JBC0000019	CHIP INDUCTOR
L2820	G0C221KA0007	BOBINA
L2821	G0C100JA0030	INDUCTOR
L500	G0B371HA0005	LINE FILTER
L6800	G0C3R3JA0030	COIL
L6801	G0C101JA0030	INDUCTOR
L6802	G0C101JA0030	INDUCTOR
L6803	G0C101JA0030	INDUCTOR
L6804	G0C100JA0030	INDUCTOR
L6805	G0C100JA0030	INDUCTOR
L6806	G0C3R3JA0030	COIL
L6807	G0C100JA0030	INDUCTOR
L6808	G0C100JA0030	INDUCTOR
L6809	G0C100JA0030	INDUCTOR
L6810	G0C101JA0030	INDUCTOR
Q2802	B1ADCF000001	TRANSISTOR
Q2806	B1GBCFJN0021	CHIP TRANSISTOR
Q2810	B1GBCFJN0021	CHIP TRANSISTOR
Q2813	B1GFGCAA0001	CHIP TRANSISTOR
Q2814	B1GD CFGA0014	TRANSISTOR
Q2815	B1GD CFGA0014	TRANSISTOR
Q2816	B1GD CFGA0014	TRANSISTOR
Q2818	B1GFGCAA0001	CHIP TRANSISTOR
Q2819	B1GFGCAA0001	CHIP TRANSISTOR
Q2820	B1ABEB000001	TRANSISTOR CHIP
Q2821	B1GFGCAA0001	CHIP TRANSISTOR
Q2822	B1GCCFGA0005	TRANSISTORRADIAL
Q2823	B1GCCFGA0005	TRANSISTORRADIAL
Q2824	B1GCCFGA0005	TRANSISTORRADIAL
Q2825	B1ABEB000001	TRANSISTOR CHIP
Q2826	B1ADCF000001	TRANSISTOR
Q2827	2SD0592ARA	TRANSISTOR
Q2828	B1ADCF000001	TRANSISTOR
Q2829	2SD0592ARA	TRANSISTOR
Q2830	B1ADCF000001	TRANSISTOR
Q2831	B1ABCF000011	CHIP TRANSISTOR
Q2832	B1ADCF000001	TRANSISTOR
Q2833	2SD0592ARA	TRANSISTOR
Q2834	B1ADCF000001	TRANSISTOR
Q2835	2SD0592ARA	TRANSISTOR
Q2836	B1ADCF000001	TRANSISTOR

Q2837	B1ABCF000011	CHIP TRANSISTOR
Q2838	B1GBCFJA0015	TRANSISTOR CHIP
Q2839	B1GFGCAA0001	CHIP TRANSISTOR
Q2840	B1GCCFGA0005	TRANSISTORRADIAL
Q2841	B1GCCFGA0005	TRANSISTORRADIAL
Q2842	B1ABEB000001	TRANSISTOR CHIP
Q5801	KTC3199GRTA	TRANSISTOR
Q5802	KTC3199GRTA	TRANSISTOR
Q5803	B1AAGC000007	TRANSISTOR
Q5804	KTA1046	TRANSISTOR
Q5805	2SD1859QRTV2	TRANSISTOR
Q5806	B1BACG000036	TRANSISTOR REGULADOR
Q5807	B1ACCF000063	TRANSISTOR RADIAL
Q5808	B1ACCF000063	TRANSISTOR RADIAL
Q5809	B1ACCL000012	TRANSISTOR
Q5810	B1ACCL000010	TRANSISTOR
Q5811	KTC3199GRTA	TRANSISTOR
Q5812	KTC3199GRTA	TRANSISTOR
Q5813	KTC3199GRTA	TRANSISTOR
Q5814	B1GCCFJJ0015	TRANSISTORRADIAL
Q5815	2SB621ARSTA	TRANSISTOR
Q5816	2SD21370PA	TRANSISTOR
Q5817	B1AAGC000007	TRANSISTOR
Q5818	B1AAGC000007	TRANSISTOR
Q6001	B1ABCF000131	TRANSISTOR CHIP
Q6002	B1ABCF000131	TRANSISTOR CHIP
Q6800	B1GACFLL0007	TRANSISTOR
Q6803	B1ACCF000063	TRANSISTOR RADIAL
Q6804	B1ACCF000063	TRANSISTOR RADIAL
Q6805	KRC102MTA	TRANSISTOR
Q6806	KTC3199GRTA	TRANSISTOR
Q6807	2SC1740SSTA	TRANSISTOR
Q6808	B1GCCFJJ0015	TRANSISTORRADIAL
Q6809	B1GCCFJJ0015	TRANSISTORRADIAL
Q6810	B1ABCF000131	TRANSISTOR CHIP
Q6811	B1ABCF000131	TRANSISTOR CHIP
Q6812	B1ABCF000131	TRANSISTOR CHIP
Q6813	KTA12710YTA	TRANSISTOR
Q6814	KTA12710YTA	TRANSISTOR
Q6815	KRC102MTA	TRANSISTOR
Q6816	B1ABCF000131	TRANSISTOR CHIP
Q6817	2SC1740SSTA	TRANSISTOR
Q6820	B1GACFJN0011	TRANSISTOR
Q6821	B1GACFJN0011	TRANSISTOR
Q6822	B1GACFJN0011	TRANSISTOR
Q6823	B1GACFJN0011	TRANSISTOR
Q6824	B1GACFJN0011	TRANSISTOR
Q6825	B1ABCF000131	TRANSISTOR CHIP
Q6826	B1ABCF000131	TRANSISTOR CHIP
Q6827	B1ABCF000131	TRANSISTOR CHIP
Q6828	B1ABCF000131	TRANSISTOR CHIP
Q6833	B1GBCFJJ0039	TRANSISTORCHIP
Q6834	B1GBCFJJ0039	TRANSISTORCHIP
Q6835	B1GBCFJJ0039	TRANSISTORCHIP

Q6836	B1GBCFJJ0039	TRANSISTORCHIP
R001	ERDS2TJ123T	RESISTENCIA
R002	ERDS2TJ123T	RESISTENCIA
R1058	ERJ3GEYJ103V	RESISTENCIA CHIP PELÖCULA
R2100	ERJ3GEYJ123V	RESISTENCIA CHIP PELÖCULA
R2101	ERJ3GEYJ2R2V	RESISTENCIA CHIP
R2102	ERJ3GEYJ473V	RESISTENCIA CHIP PELÖCULA
R2103	D0GB101JA002	THICK FILM CHIP RESISTOR
R2104	D0GB333JA002	CHIP RESISTOR
R2105	D0GB562JA002	CHIP RESISTOR
R2106	ERJ3GEYJ334V	RESISTENCIA CHIP
R2107	ERJ3GEYJ472V	RESISTENCIA CHIP PELÖCULA
R2109	ERJ3GEY0R00V	CHIP JUMPER
R2110	ERJ3GEYJ104V	RESISTENCIA CHIP PELÖCULA
R2111	D0GB272JA002	THICK FILM CHIP RESISTOR
R2114	ERJ3GEYJ103V	RESISTENCIA CHIP PELÖCULA
R2115	D0GB273JA002	THICK FILM CHIP RESISTOR
R2117	ERJ3GEYJ123V	RESISTENCIA CHIP PELÖCULA
R2120	ERJ3GEYJ102V	RESISTENCIA CHIP PELÖCULA
R2122	ERJ3GEYJ473V	RESISTENCIA CHIP PELÖCULA
R2123	D0GB220JA002	RESISTENCIA CHIP
R2124	D0GB220JA002	RESISTENCIA CHIP
R2125	D0GB220JA002	RESISTENCIA CHIP
R2126	D0GB220JA002	RESISTENCIA CHIP
R2127	ERJ3GEYJ472V	RESISTENCIA CHIP PELÖCULA
R2128	D0GB100JA002	CHIP RESISTOR
R2129	ERJ3GEYJ102V	RESISTENCIA CHIP PELÖCULA
R2131	ERJ3GEYJ823V	RESISTENCIA CHIP PELÖCULA
R2132	D0GB392JA002	CHIP RESISTOR
R2133	ERJ3GEYJ223V	RESISTENCIA CHIP PELÖCULA
R2135	ERJ3GEYJ223V	RESISTENCIA CHIP PELÖCULA
R2136	ERJ3GEYJ103V	RESISTENCIA CHIP PELÖCULA
R2137	ERJ3GEYJ223V	RESISTENCIA CHIP PELÖCULA
R2138	D0GB562JA002	CHIP RESISTOR
R2140	ERJ3GEYJ123V	RESISTENCIA CHIP PELÖCULA
R2141	ERJ3GEYJ473V	RESISTENCIA CHIP PELÖCULA
R2142	ERJ3GEYJ473V	RESISTENCIA CHIP PELÖCULA
R2143	ERJ3GEYJ123V	RESISTENCIA CHIP PELÖCULA
R2144	ERJ3GEYJ223V	RESISTENCIA CHIP PELÖCULA
R2145	ERJ3GEYJ104V	RESISTENCIA CHIP PELÖCULA
R2146	D0GB392JA002	CHIP RESISTOR
R2148	ERJ3GEYJ822V	RESISTENCIA CHIP PELÖCULA
R2149	ERJ3GEY0R00V	CHIP JUMPER
R2150	ERJ3GEY0R00V	CHIP JUMPER
R2151	ERJ3GEY0R00V	CHIP JUMPER
R2152	ERJ3GEYJ822V	RESISTENCIA CHIP PELÖCULA
R2153	ERJ3GEYJ472V	RESISTENCIA CHIP PELÖCULA
R2154	ERJ3GEYJ334V	RESISTENCIA CHIP
R2155	ERJ3GEYJ102V	RESISTENCIA CHIP PELÖCULA
R2156	ERJ3GEYJ473V	RESISTENCIA CHIP PELÖCULA
R2157	D0GB332JA002	THICK FILM CHIP RESISTOR
R2158	D0GB273JA002	THICK FILM CHIP RESISTOR
R2159	ERJ3GEYJ104V	RESISTENCIA CHIP PELÖCULA
R2160	ERJ3GEYJ183V	RESISTENCIA CHIP PELÖCULA

R2161	ERJ3GEYJ123V	RESISTENCIA CHIP PELÖCULA
R2162	ERJ3GEY0R00V	CHIP JUMPER
R2164	D0GB332JA002	THICK FILM CHIP RESISTOR
R2165	ERJ3GEYJ472V	RESISTENCIA CHIP PELÖCULA
R2167	ERJ3GEYJ222V	RESISTENCIA CHIP PELÖCULA
R2168	ERJ3GEYJ682V	RESISTENCIA CHIP PELÖCULA
R2169	ERJ3GEY0R00V	CHIP JUMPER
R2170	ERJ3GEY0R00V	CHIP JUMPER
R2171	ERJ3GEYJ153V	RESISTENCIA CHIP PELÖCULA
R2172	ERJ3GEYJ122V	RESISTENCIA CHIP PELÖCULA
R2200	ERJ3GEYJ473V	RESISTENCIA CHIP PELÖCULA
R2201	D0GB101JA002	THICK FILM CHIP RESISTOR
R2202	D0GB333JA002	CHIP RESISTOR
R2203	D0GB562JA002	CHIP RESISTOR
R2204	ERJ3GEYJ334V	RESISTENCIA CHIP
R2205	ERJ3GEYJ472V	RESISTENCIA CHIP PELÖCULA
R2207	ERJ3GEY0R00V	CHIP JUMPER
R2208	ERJ3GEYJ104V	RESISTENCIA CHIP PELÖCULA
R2209	D0GB272JA002	THICK FILM CHIP RESISTOR
R2212	ERJ3GEYJ103V	RESISTENCIA CHIP PELÖCULA
R2213	D0GB273JA002	THICK FILM CHIP RESISTOR
R2215	ERJ3GEYJ123V	RESISTENCIA CHIP PELÖCULA
R2218	ERJ3GEYJ224V	RESISTENCIA CHIP
R2219	ERJ3GEYJ102V	RESISTENCIA CHIP PELÖCULA
R2220	ERDS1FVJ680T	RESISTENCIA
R2221	ERJ3GEYJ473V	RESISTENCIA CHIP PELÖCULA
R2222	D0GB220JA002	RESISTENCIA CHIP
R2223	D0GB220JA002	RESISTENCIA CHIP
R2224	D0GB220JA002	RESISTENCIA CHIP
R2225	D0GB220JA002	RESISTENCIA CHIP
R2226	ERJ3GEYJ472V	RESISTENCIA CHIP PELÖCULA
R2227	D0GB100JA002	CHIP RESISTOR
R2229	ERJ3GEYJ102V	RESISTENCIA CHIP PELÖCULA
R2232	ERJ3GEYJ123V	RESISTENCIA CHIP PELÖCULA
R2233	ERJ3GEY0R00V	CHIP JUMPER
R2234	ERJ3GEYJ823V	RESISTENCIA CHIP PELÖCULA
R2235	D0GB392JA002	CHIP RESISTOR
R2236	ERJ3GEYJ103V	RESISTENCIA CHIP PELÖCULA
R2237	ERJ3GEYJ223V	RESISTENCIA CHIP PELÖCULA
R2238	ERJ3GEYJ223V	RESISTENCIA CHIP PELÖCULA
R2239	D0GB562JA002	CHIP RESISTOR
R2241	ERJ3GEYJ123V	RESISTENCIA CHIP PELÖCULA
R2242	ERJ3GEYJ473V	RESISTENCIA CHIP PELÖCULA
R2243	ERJ3GEYJ473V	RESISTENCIA CHIP PELÖCULA
R2244	ERJ3GEYJ123V	RESISTENCIA CHIP PELÖCULA
R2245	D0GB392JA002	CHIP RESISTOR
R2247	ERJ3GEYJ822V	RESISTENCIA CHIP PELÖCULA
R2248	ERJ3GEY0R00V	CHIP JUMPER
R2249	ERJ3GEY0R00V	CHIP JUMPER
R2250	ERJ3GEY0R00V	CHIP JUMPER
R2251	ERJ3GEYJ822V	RESISTENCIA CHIP PELÖCULA
R2252	ERJ3GEYJ472V	RESISTENCIA CHIP PELÖCULA
R2253	ERJ3GEYJ334V	RESISTENCIA CHIP
R2254	ERJ3GEYJ102V	RESISTENCIA CHIP PELÖCULA

R2255	ERJ3GEYJ473V	RESISTENCIA CHIP PELÖCULA
R2256	D0GB332JA002	THICK FILM CHIP RESISTOR
R2257	D0GB273JA002	THICK FILM CHIP RESISTOR
R2258	ERJ3GEYJ104V	RESISTENCIA CHIP PELÖCULA
R2259	ERJ3GEYJ183V	RESISTENCIA CHIP PELÖCULA
R2260	ERJ3GEYJ123V	RESISTENCIA CHIP PELÖCULA
R2261	ERJ3GEY0R00V	CHIP JUMPER
R2262	D0GB332JA002	THICK FILM CHIP RESISTOR
R2263	ERJ3GEYJ472V	RESISTENCIA CHIP PELÖCULA
R2264	ERJ3GEYJ222V	RESISTENCIA CHIP PELÖCULA
R2265	ERJ3GEYJ223V	RESISTENCIA CHIP PELÖCULA
R2266	ERJ3GEYJ682V	RESISTENCIA CHIP PELÖCULA
R2267	ERJ3GEY0R00V	CHIP JUMPER
R2268	ERJ3GEYJ153V	RESISTENCIA CHIP PELÖCULA
R2269	ERJ3GEYJ122V	RESISTENCIA CHIP PELÖCULA
R2300	D0GB273JA002	THICK FILM CHIP RESISTOR
R2301	ERJ3GEYJ103V	RESISTENCIA CHIP PELÖCULA
R2302	ERJ3GEYJ103V	RESISTENCIA CHIP PELÖCULA
R2303	ERJ3GEYJ472V	RESISTENCIA CHIP PELÖCULA
R2304	ERJ3GEYJ153V	RESISTENCIA CHIP PELÖCULA
R2305	ERJ3GEYJ103V	RESISTENCIA CHIP PELÖCULA
R2306	ERJ3GEYJ182V	RESISTENCIA CHIP PELÖCULA
R2307	D0GB563JA002	THICK FILM CHIP RESISTOR
R2312	D0GB273JA002	THICK FILM CHIP RESISTOR
R2313	ERJ3GEYJ223V	RESISTENCIA CHIP PELÖCULA
R2314	ERJ3GEYJ223V	RESISTENCIA CHIP PELÖCULA
R2315	ERJ3GEYJ223V	RESISTENCIA CHIP PELÖCULA
R2317	ERJ3GEYJ473V	RESISTENCIA CHIP PELÖCULA
R2318	D0GB333JA002	CHIP RESISTOR
R2319	ERJ3GEYJ103V	RESISTENCIA CHIP PELÖCULA
R2320	ERJ3GEYJ223V	RESISTENCIA CHIP PELÖCULA
R2321	D0GB563JA002	THICK FILM CHIP RESISTOR
R2322	ERJ3GEYJ223V	RESISTENCIA CHIP PELÖCULA
R2323	ERJ3GEYJ182V	RESISTENCIA CHIP PELÖCULA
R2324	ERJ3GEY0R00V	CHIP JUMPER
R2325	D0GB563JA002	THICK FILM CHIP RESISTOR
R2335	ERJ3GEY0R00V	CHIP JUMPER
R2336	ERJ3GEY0R00V	CHIP JUMPER
R2337	ERJ3GEY0R00V	CHIP JUMPER
R2338	ERJ3GEY0R00V	CHIP JUMPER
R2339	ERJ3GEY0R00V	CHIP JUMPER
R2340	ERJ3GEY0R00V	CHIP JUMPER
R2341	ERJ3GEY0R00V	CHIP JUMPER
R2342	ERJ3GEYJ103V	RESISTENCIA CHIP PELÖCULA
R2343	ERJ3GEY0R00V	CHIP JUMPER
R2400	ERJ3GEYJ103V	RESISTENCIA CHIP PELÖCULA
R2401	ERJ3GEYJ472V	RESISTENCIA CHIP PELÖCULA
R2402	ERJ3GEYJ153V	RESISTENCIA CHIP PELÖCULA
R2403	ERJ3GEYJ103V	RESISTENCIA CHIP PELÖCULA
R2404	ERJ3GEYJ182V	RESISTENCIA CHIP PELÖCULA
R2410	D0GB273JA002	THICK FILM CHIP RESISTOR
R2411	ERJ3GEYJ103V	RESISTENCIA CHIP PELÖCULA
R2412	ERJ3GEY0R00V	CHIP JUMPER
R2413	D0GB563JA002	THICK FILM CHIP RESISTOR

R2500	ERJ3GEYJ123V	RESISTENCIA CHIP PELÖCULA
R2501	ERJ3GEYJ682V	RESISTENCIA CHIP PELÖCULA
R2502	ERJ3GEYJ153V	RESISTENCIA CHIP PELÖCULA
R2503	ERJ3GEYJ393V	RESISTENCIA CHIP PELÖCULA
R2504	ERJ3GEYJ271V	RESISTENCIA CHIP PELÖCULA
R2508	D0GB563JA002	THICK FILM CHIP RESISTOR
R2514	ERJ3GEYJ473V	RESISTENCIA CHIP PELÖCULA
R2515	ERJ3GEYJ103V	RESISTENCIA CHIP PELÖCULA
R2516	D0GB273JA002	THICK FILM CHIP RESISTOR
R2517	ERJ3GEYJ103V	RESISTENCIA CHIP PELÖCULA
R2518	ERJ3GEYJ103V	RESISTENCIA CHIP PELÖCULA
R2520	D0GB562JA002	CHIP RESISTOR
R2521	ERJ3GEY0R00V	CHIP JUMPER
R2522	ERJ3GEY0R00V	CHIP JUMPER
R2523	ERJ3GEYJ152V	RESISTENCIA CHIP PELÖCULA
R2524	ERJ3GEYJ102V	RESISTENCIA CHIP PELÖCULA
R2600	ERJ3GEYJ103V	RESISTENCIA CHIP PELÖCULA
R2601	D0GB333JA002	CHIP RESISTOR
R2602	ERJ3GEYJ822V	RESISTENCIA CHIP PELÖCULA
R2603	ERJ3GEYJ823V	RESISTENCIA CHIP PELÖCULA
R2604	ERJ3GEYJ122V	RESISTENCIA CHIP PELÖCULA
R2605	D0GB562JA002	CHIP RESISTOR
R2606	D0GB563JA002	THICK FILM CHIP RESISTOR
R2607	D0GB183JA002	CHIP RESISTOR
R2608	D0GB333JA002	CHIP RESISTOR
R2609	ERJ3GEYJ822V	RESISTENCIA CHIP PELÖCULA
R2610	D0GB563JA002	THICK FILM CHIP RESISTOR
R2611	ERJ3GEYJ103V	RESISTENCIA CHIP PELÖCULA
R2612	ERJ3GEY0R00V	CHIP JUMPER
R2613	ERJ3GEY0R00V	CHIP JUMPER
R2630	ERJ3GEY0R00V	CHIP JUMPER
R2631	ERJ3GEY0R00V	CHIP JUMPER
R2632	ERJ3GEY0R00V	CHIP JUMPER
R2633	ERJ3GEY0R00V	CHIP JUMPER
R2634	ERJ3GEY0R00V	CHIP JUMPER
R2635	ERJ3GEY0R00V	CHIP JUMPER
R2636	ERJ3GEY0R00V	CHIP JUMPER
R2637	ERJ3GEY0R00V	CHIP JUMPER
R2638	ERJ3GEY0R00V	CHIP JUMPER
R2639	ERJ3GEY0R00V	CHIP JUMPER
R2642	ERJ3GEY0R00V	CHIP JUMPER
R2643	ERJ3GEY0R00V	CHIP JUMPER
R2644	ERJ3GEY0R00V	CHIP JUMPER
R2645	ERJ3GEY0R00V	CHIP JUMPER
R2646	ERJ3GEY0R00V	CHIP JUMPER
R2801	D0GB1R0JA002	CHIP RESISTOR
R2802	D0GB1R0JA002	CHIP RESISTOR
R2803	D0GB1R0JA002	CHIP RESISTOR
R2804	D0GB1R0JA002	CHIP RESISTOR
R2805	D0GB1R0JA002	CHIP RESISTOR
R2806	ERJ3GEYJ102V	RESISTENCIA CHIP PELÖCULA
R2807	ERJ3GEYJ102V	RESISTENCIA CHIP PELÖCULA
R2808	ERJ3GEYJ102V	RESISTENCIA CHIP PELÖCULA
R2809	ERJ3GEYJ472V	RESISTENCIA CHIP PELÖCULA

R2811	ERJ3GEYJ472V	RESISTENCIA CHIP PELÖCULA
R2812	ERJ3GEYJ102V	RESISTENCIA CHIP PELÖCULA
R2813	ERJ3GEYJ102V	RESISTENCIA CHIP PELÖCULA
R2814	ERJ3GEYJ102V	RESISTENCIA CHIP PELÖCULA
R2816	ERJ3GEYJ331V	RESISTENCIA CHIP PELÖCULA
R2817	ERJ3GEYJ103V	RESISTENCIA CHIP PELÖCULA
R2819	ERJ3GEYJ222V	RESISTENCIA CHIP PELÖCULA
R2820	ERJ3GEYJ103V	RESISTENCIA CHIP PELÖCULA
R2821	D0HB750ZA003	CHIP RESISTOR
R2822	D0HB750ZA003	CHIP RESISTOR
R2823	D0HB750ZA003	CHIP RESISTOR
R2824	D0HB750ZA003	CHIP RESISTOR
R2825	D0HB750ZA003	CHIP RESISTOR
R2826	ERJ3GEYD750V	MONO/ST SVY
R2827	ERJ3GEY0R00V	CHIP JUMPER
R2828	ERJ3GEY0R00V	CHIP JUMPER
R2829	ERJ3GEYJ104V	RESISTENCIA CHIP PELÖCULA
R2830	ERJ3GEYJ104V	RESISTENCIA CHIP PELÖCULA
R2831	ERJ3GEYJ104V	RESISTENCIA CHIP PELÖCULA
R2832	ERJ3GEYJ104V	RESISTENCIA CHIP PELÖCULA
R2833	ERJ3GEYJ104V	RESISTENCIA CHIP PELÖCULA
R2834	ERJ3GEYJ104V	RESISTENCIA CHIP PELÖCULA
R2836	D0GB1R0JA002	CHIP RESISTOR
R2837	D0GB1R0JA002	CHIP RESISTOR
R2843	ERJ3GEYJ221V	RESISTENCIA CHIP PELÖCULA
R2852	ERJ3GEYJ102V	RESISTENCIA CHIP PELÖCULA
R2853	D0GB332JA002	THICK FILM CHIP RESISTOR
R2855	ERJ3GEYJ102V	RESISTENCIA CHIP PELÖCULA
R2856	ERJ3GEYJ102V	RESISTENCIA CHIP PELÖCULA
R2857	D0GB563JA002	THICK FILM CHIP RESISTOR
R2858	ERJ3GEYJ103V	RESISTENCIA CHIP PELÖCULA
R2859	ERJ3GEY0R00V	CHIP JUMPER
R2860	ERJ3GEYJ102V	RESISTENCIA CHIP PELÖCULA
R2862	ERJ3GEYJ682V	RESISTENCIA CHIP PELÖCULA
R2863	D0GB563JA002	THICK FILM CHIP RESISTOR
R2864	ERJ3GEYJ222V	RESISTENCIA CHIP PELÖCULA
R2865	ERJ3GEY0R00V	CHIP JUMPER
R2866	ERJ3GEYJ104V	RESISTENCIA CHIP PELÖCULA
R2867	ERJ3GEYJ103V	RESISTENCIA CHIP PELÖCULA
R2868	ERJ3GEYJ102V	RESISTENCIA CHIP PELÖCULA
R2869	D0GB563JA002	THICK FILM CHIP RESISTOR
R2870	D0GB563JA002	THICK FILM CHIP RESISTOR
R2871	ERJ3GEY0R00V	CHIP JUMPER
R2872	D0GB563JA002	THICK FILM CHIP RESISTOR
R2873	D0GB563JA002	THICK FILM CHIP RESISTOR
R2876	D0GB563JA002	THICK FILM CHIP RESISTOR
R2877	D0GB563JA002	THICK FILM CHIP RESISTOR
R2878	D0GB563JA002	THICK FILM CHIP RESISTOR
R2879	D0GB563JA002	THICK FILM CHIP RESISTOR
R2881	ERJ3GEY0R00V	CHIP JUMPER
R2882	ERJ3GEY0R00V	CHIP JUMPER
R2883	D0GB563JA002	THICK FILM CHIP RESISTOR
R2884	D0GB563JA002	THICK FILM CHIP RESISTOR
R2885	ERJ3GEYJ102V	RESISTENCIA CHIP PELÖCULA

R2887	ERJ3GEYJ472V	RESISTENCIA CHIP PELÖCULA
R2888	ERJ3GEYJ472V	RESISTENCIA CHIP PELÖCULA
R2889	D0GB332JA002	THICK FILM CHIP RESISTOR
R2890	ERJ3GEYJ104V	RESISTENCIA CHIP PELÖCULA
R2891	ERJ3GEYJ103V	RESISTENCIA CHIP PELÖCULA
R2892	ERDS1FVJ220T	RESISTENCIA
R2893	ERJ3GEYJ224V	RESISTENCIA CHIP
R2894	D0GB101JA002	THICK FILM CHIP RESISTOR
R2895	ERJ3GEYJ104V	RESISTENCIA CHIP PELÖCULA
R2896	ERJ3GEYJ225V	CHIP RESISTOR
R2897	ERJ3GEYJ225V	CHIP RESISTOR
R2898	ERJ3GEYJ472V	RESISTENCIA CHIP PELÖCULA
R2899	ERJ3GEYJ472V	RESISTENCIA CHIP PELÖCULA
R2900	D0GB332JA002	THICK FILM CHIP RESISTOR
R2901	ERJ3GEYJ104V	RESISTENCIA CHIP PELÖCULA
R2902	ERJ3GEYJ103V	RESISTENCIA CHIP PELÖCULA
R2903	D0GB563JA002	THICK FILM CHIP RESISTOR
R2904	ERJ3GEYJ104V	RESISTENCIA CHIP PELÖCULA
R2905	ERJ3GEYJ224V	RESISTENCIA CHIP
R2906	D0GB101JA002	THICK FILM CHIP RESISTOR
R2907	ERJ3GEYJ104V	RESISTENCIA CHIP PELÖCULA
R2908	ERJ3GEYJ103V	RESISTENCIA CHIP PELÖCULA
R2909	D0GB563JA002	THICK FILM CHIP RESISTOR
R2910	ERJ3GEYJ223V	RESISTENCIA CHIP PELÖCULA
R2911	ERJ3GEYJ223V	RESISTENCIA CHIP PELÖCULA
R2912	ERJ3GEYJ103V	RESISTENCIA CHIP PELÖCULA
R2913	ERJ3GEYJ103V	RESISTENCIA CHIP PELÖCULA
R2914	ERJ3GEY0R00V	CHIP JUMPER
R2915	ERDS1FVJ220T	RESISTENCIA
R2918	ERJ3GEYJ224V	RESISTENCIA CHIP
R2920	ERJ3GEYJ102V	RESISTENCIA CHIP PELÖCULA
R2921	D0GB332JA002	THICK FILM CHIP RESISTOR
R2935	ERJ3GEYJ153V	RESISTENCIA CHIP PELÖCULA
R2938	D0GB392JA002	CHIP RESISTOR
R2939	D0GB562JA002	CHIP RESISTOR
R2940	ERJ3GEYJ123V	RESISTENCIA CHIP PELÖCULA
R2941	ERJ3GEYJ103V	RESISTENCIA CHIP PELÖCULA
R2942	ERJ3GEYJ472V	RESISTENCIA CHIP PELÖCULA
R2943	ERJ3GEYJ103V	RESISTENCIA CHIP PELÖCULA
R2944	ERJ3GEYJ153V	RESISTENCIA CHIP PELÖCULA
R2945	ERJ3GEY0R00V	CHIP JUMPER
R2946	ERJ3GEYJ123V	RESISTENCIA CHIP PELÖCULA
R2947	D0GB100JA002	CHIP RESISTOR
R2948	ERJ3GEY0R00V	CHIP JUMPER
R2949	ERJ3GEYJ103V	RESISTENCIA CHIP PELÖCULA
R2950	D0GB332JA002	THICK FILM CHIP RESISTOR
R2951	ERJ3GEYJ103V	RESISTENCIA CHIP PELÖCULA
R2952	ERDS1FVJ680T	RESISTENCIA
R2955	ERJ3GEYJ221V	RESISTENCIA CHIP PELÖCULA
R2956	ERJ3GEYJ221V	RESISTENCIA CHIP PELÖCULA
R2957	ERJ3GEYJ124V	RESISTENCIA CHIP PELÖCULA
R2958	ERJ3GEY0R00V	CHIP JUMPER
R2959	ERJ3GEYJ224V	RESISTENCIA CHIP
R2960	ERJ3GEYJ273V	RESISTENCIA CHIP PELÖCULA

R2961	ERJ3GEYJ222V	RESISTENCIA CHIP PELÖCULA
R2962	D0GB332JA002	THICK FILM CHIP RESISTOR
R2963	D0GB393JA002	STHICK FILM CHIP RESISTOR
R2964	ERJ3GEYJ153V	RESISTENCIA CHIP PELÖCULA
R2965	ERJ3GEYJ104V	RESISTENCIA CHIP PELÖCULA
R2967	ERJ3GEYJ104V	RESISTENCIA CHIP PELÖCULA
R2968	ERJ3GEYJ473V	RESISTENCIA CHIP PELÖCULA
R2969	ERDS1FVJ680T	RESISTENCIA
R2970	ERJ3GEYJ471V	RESISTENCIA CHIP PELÖCULA
R2971	ERJ3GEYJ104V	RESISTENCIA CHIP PELÖCULA
R2972	ERJ3GEYJ471V	RESISTENCIA CHIP PELÖCULA
R2973	ERJ3GEYJ103V	RESISTENCIA CHIP PELÖCULA
R2974	D0GB101JA002	THICK FILM CHIP RESISTOR
R2975	ERJ3GEY0R00V	CHIP JUMPER
R2976	ERJ3GEYJ103V	RESISTENCIA CHIP PELÖCULA
R2977	ERJ3GEYJ182V	RESISTENCIA CHIP PELÖCULA
R2978	ERJ3GEY0R00V	CHIP JUMPER
R2979	ERJ3GEY0R00V	CHIP JUMPER
R2980	ERJ3GEY0R00V	CHIP JUMPER
R2981	ERJ3GEY0R00V	CHIP JUMPER
R2982	ERJ3GEY0R00V	CHIP JUMPER
R2983	ERJ3GEY0R00V	CHIP JUMPER
R2984	ERJ3GEY0R00V	CHIP JUMPER
R2985	ERJ3GEY0R00V	CHIP JUMPER
R2986	ERJ3GEY0R00V	CHIP JUMPER
R2987	ERJ3GEY0R00V	CHIP JUMPER
R2988	ERJ3GEYJ2R2V	RESISTENCIA CHIP
R2989	ERJ3GEY0R00V	CHIP JUMPER
R2990	ERJ3GEYJ103V	RESISTENCIA CHIP PELÖCULA
R2991	ERJ3GEY0R00V	CHIP JUMPER
R2992	ERJ3GEY0R00V	CHIP JUMPER
R2993	ERJ3GEY0R00V	CHIP JUMPER
R2994	ERJ3GEY0R00V	CHIP JUMPER
R2995	ERJ3GEY0R00V	CHIP JUMPER
R2996	ERJ3GEYJ102V	RESISTENCIA CHIP PELÖCULA
R2998	ERJ3GEY0R00V	CHIP JUMPER
R2999	ERJ3GEY0R00V	CHIP JUMPER
R5100	ERDS2TJ153T	RESISTENCIA
R5102	ERDS2TJ563T	RESISTENCIA CARBON
R5103	ERDS2TJ472T	RESISTENCIA CARBON
R5104	ERDS2TJ563T	RESISTENCIA CARBON
R5105	ERDS1FVJ100T	RESISTENCIA RADIAL
R5200	ERDS2TJ153T	RESISTENCIA
R5202	ERDS2TJ563T	RESISTENCIA CARBON
R5203	ERDS2TJ472T	RESISTENCIA CARBON
R5204	ERDS2TJ563T	RESISTENCIA CARBON
R5205	ERDS1FVJ100T	RESISTENCIA RADIAL
R5300	ERDS2TJ272T	RESISTENCIA CARBON
R5301	ERDS2TJ563T	RESISTENCIA CARBON
R5302	ERDS2TJ153T	RESISTENCIA
R5303	ERDS1FVJ100T	RESISTENCIA RADIAL
R5400	ERDS2TJ153T	RESISTENCIA
R5401	ERDS2TJ272T	RESISTENCIA CARBON
R5402	ERDS2TJ563T	RESISTENCIA CARBON

R5403	ERDS1FVJ100T	RESISTENCIA RADIAL
R5500	ERDS2TJ153T	RESISTENCIA
R5501	ERDS2TJ332T	RESISTENCIA CARBON
R5502	ERDS2TJ563T	RESISTENCIA CARBON
R5503	ERDS1FVJ100T	RESISTENCIA RADIAL
R5600	ERDS2TJ153T	RESISTENCIA
R5601	ERDS2TJ562T	R.CARBON
R5602	ERDS2TJ563T	RESISTENCIA CARBON
R5603	ERDS1FVJ100T	RESISTENCIA RADIAL
R5604	ERDS1FVJ100T	RESISTENCIA RADIAL
R5605	ERDS1FVJ100T	RESISTENCIA RADIAL
R5609	ERDS2TJ153T	RESISTENCIA
R5650	ERJ3GEY0R00V	CHIP JUMPER
R5652	ERJ3GEY0R00V	CHIP JUMPER
R5801	ERDS2TJ474T	RESISTENCIA CARBON
R5802	ERDS2TJ102T	R.CARBON
R5803	ERDS2TJ681T	RESISTENCIA CARBON
R5804	ERDS2TJ393T	RESISTENCIA CARBON
R5805	ERDS2TJ103T	RESISTENCIA
R5806	ERDS2TJ104T	RESISTENCIA
R5807	ERDS1FVJ2R2T	RESISTENCIA RADIAL
R5808	ERG2SJ220E	FUSE RESISTOR
R5809	ERDS2TJ152T	R.CARBON
R5810	ERDS2TJ152T	R.CARBON
R5811	ERDS2TJ473T	RESISTENCIA CARBON
R5812	ERDS2TJ473T	RESISTENCIA CARBON
R5813	ERDS2TJ473T	RESISTENCIA CARBON
R5814	ERDS2TJ473T	RESISTENCIA CARBON
R5815	ERDS2TJ104T	RESISTENCIA
R5816	ERDS2TJ104T	RESISTENCIA
R5817	ERDS2TJ223T	RESISTENCIA
R5818	ERDS2TJ223T	RESISTENCIA
R5819	ERG2SJ220E	FUSE RESISTOR
R5820	ERD2FCVJ4R7T	RESISTENCIA CARBON
R5821	ERDS2TJ272T	RESISTENCIA CARBON
R5822	ERDS2TJ473T	RESISTENCIA CARBON
R5823	ERDS2TJ822T	RESISTENCIA CARBON
R5824	ERDS2TJ562T	R.CARBON
R5825	ERDS2TJ473T	RESISTENCIA CARBON
R5826	ERDS2TJ272T	RESISTENCIA CARBON
R5827	ERDS2TJ203T	RESISTENCIA DE CARBON
R5828	ERD2FCVJ4R7T	RESISTENCIA CARBON
R5829	ERDS2TJ223T	RESISTENCIA
R5830	ERDS2TJ103T	RESISTENCIA
R5831	ERDS2TJ223T	RESISTENCIA
R5832	ERDS2TJ332T	RESISTENCIA CARBON
R5833	ERDS2TJ103T	RESISTENCIA
R5834	ERDS2TJ103T	RESISTENCIA
R5835	ERDS2TJ103T	RESISTENCIA
R5836	ERDS2TJ333T	RESISTENCIA CARBON
R5837	ERDS2TJ101T	R.CARBON
R5838	ERDS2TJ103T	RESISTENCIA
R5839	ERDS2TJ393T	RESISTENCIA CARBON
R5840	ERDS2TJ472T	RESISTENCIA CARBON

R5841	ERDS2TJ563T	RESISTENCIA CARBON
R5842	ERDS2TJ101T	R.CARBON
R5843	ERDS2TJ104T	RESISTENCIA
R5844	ERDS2TJ331T	R.CARBON
R5845	ERDS2TJ474T	RESISTENCIA CARBON
R5846	ERDS2TJ102T	R.CARBON
R5847	ERDS2TJ474T	RESISTENCIA CARBON
R5848	ERDS2TJ102T	R.CARBON
R5849	ERDS2TJ122T	R.CARBON
R5850	ERDS2TJ152T	R.CARBON
R5851	ERDS1FVJ220T	RESISTENCIA
R5852	ERDS1FVJ180T	RESISTENCIA
R5853	ERDS1FVJ120T	RESISTENCIA
R5854	ERDS2TJ223T	RESISTENCIA
R5855	ERDS2TJ223T	RESISTENCIA
R5856	ERDS2TJ151T	RESISTENCIA
R5857	ERD2FCVJ4R7T	RESISTENCIA CARBON
R5858	ERDS2TJ472T	RESISTENCIA CARBON
R5859	ERDS2TJ332T	RESISTENCIA CARBON
R5860	ERDS2TJ824T	RESISTENCIA CARBON
R5861	ERDS2TJ104T	RESISTENCIA
R5862	ERDS2TJ184T	R.CARBON
R5863	ERDS2TJ394T	RESISTENCIA CARBON
R5864	ERDS2TJ394T	RESISTENCIA CARBON
R5865	ERDS2TJ184T	R.CARBON
R5866	ERDS2TJ683T	R.CARBON
R5867	ERDS2TJ103T	RESISTENCIA
R5868	ERDS2TJ103T	RESISTENCIA
R5869	ERDS2TJ103T	RESISTENCIA
R5870	ERDS2TJ103T	RESISTENCIA
R5871	ERDS2TJ103T	RESISTENCIA
R5872	ERDS2TJ394T	RESISTENCIA CARBON
R5873	ERDS2TJ104T	RESISTENCIA
R5874	ERDS2TJ394T	RESISTENCIA CARBON
R5875	ERDS2TJ394T	RESISTENCIA CARBON
R5876	ERDS2TJ103T	RESISTENCIA
R5877	ERDS2TJ103T	RESISTENCIA
R5878	ERDS2TJ103T	RESISTENCIA
R5879	ERDS2TJ103T	RESISTENCIA
R5880	ERDS2TJ104T	RESISTENCIA
R5881	ERDS2TJ184T	R.CARBON
R5882	ERDS2TJ394T	RESISTENCIA CARBON
R5883	ERDS2TJ394T	RESISTENCIA CARBON
R5886	ERDS2TJ103T	RESISTENCIA
R5887	ERG2SJ220E	FUSE RESISTOR
R5888	ERDS2TJ681T	RESISTENCIA CARBON
R6000	ERJ3GEYJ272V	RESISTENCIA CHIP PELÖCULA
R6041	ERJ3GEYJ472V	RESISTENCIA CHIP PELÖCULA
R6042	ERJ3GEYJ472V	RESISTENCIA CHIP PELÖCULA
R6043	ERJ3GEY0R00V	CHIP JUMPER
R6044	ERJ3GEY0R00V	CHIP JUMPER
R6045	ERJ3GEY0R00V	CHIP JUMPER
R6046	ERJ3GEY0R00V	CHIP JUMPER
R6047	ERJ3GEY0R00V	CHIP JUMPER

R6048	ERJ3GEY0R00V	CHIP JUMPER
R6049	ERJ3GEY0R00V	CHIP JUMPER
R6050	ERJ3GEY0R00V	CHIP JUMPER
R6051	ERJ3GEY0R00V	CHIP JUMPER
R6052	ERJ3GEY0R00V	CHIP JUMPER
R6101	ERJ3GEY0R00V	CHIP JUMPER
R6103	ERJ3GEYJ103V	RESISTENCIA CHIP PELÖCULA
R6104	ERJ3GEYJ103V	RESISTENCIA CHIP PELÖCULA
R6105	ERJ3GEYJ104V	RESISTENCIA CHIP PELÖCULA
R6106	ERJ3GEYJ104V	RESISTENCIA CHIP PELÖCULA
R6107	ERJ3GEYJ104V	RESISTENCIA CHIP PELÖCULA
R6108	ERJ3GEYJ104V	RESISTENCIA CHIP PELÖCULA
R6214	ERJ3GEY0R00V	CHIP JUMPER
R6215	ERJ3GEY0R00V	CHIP JUMPER
R6216	ERJ3GEY0R00V	CHIP JUMPER
R6217	ERJ3GEY0R00V	CHIP JUMPER
R6218	ERJ3GEY0R00V	CHIP JUMPER
R6219	ERJ3GEY0R00V	CHIP JUMPER
R6220	ERJ3GEY0R00V	CHIP JUMPER
R6221	ERJ3GEY0R00V	CHIP JUMPER
R6222	ERJ3GEY0R00V	CHIP JUMPER
R6224	ERJ3GEY0R00V	CHIP JUMPER
R6225	ERJ3GEY0R00V	CHIP JUMPER
R6227	ERJ3GEY0R00V	CHIP JUMPER
R6228	ERJ3GEY0R00V	CHIP JUMPER
R6229	ERJ3GEY0R00V	CHIP JUMPER
R6230	ERJ3GEY0R00V	CHIP JUMPER
R6231	ERJ3GEY0R00V	CHIP JUMPER
R6232	ERJ3GEY0R00V	CHIP JUMPER
R6233	ERJ3GEY0R00V	CHIP JUMPER
R6234	ERJ3GEY0R00V	CHIP JUMPER
R6235	ERJ3GEY0R00V	CHIP JUMPER
R6800	ERJ3GEYJ102V	RESISTENCIA CHIP PELÖCULA
R6802	ERJ3GEYJ102V	RESISTENCIA CHIP PELÖCULA
R6803	ERJ3GEYJ103V	RESISTENCIA CHIP PELÖCULA
R6804	ERJ3GEYJ103V	RESISTENCIA CHIP PELÖCULA
R6805	ERJ3GEYJ102V	RESISTENCIA CHIP PELÖCULA
R6806	ERJ3GEYJ102V	RESISTENCIA CHIP PELÖCULA
R6807	ERJ3GEYJ102V	RESISTENCIA CHIP PELÖCULA
R6808	ERJ3GEYJ102V	RESISTENCIA CHIP PELÖCULA
R6809	ERJ3GEYJ102V	RESISTENCIA CHIP PELÖCULA
R6810	ERJ3GEYJ103V	RESISTENCIA CHIP PELÖCULA
R6811	ERJ3GEYJ102V	RESISTENCIA CHIP PELÖCULA
R6812	ERJ3GEYJ102V	RESISTENCIA CHIP PELÖCULA
R6813	ERJ3GEYJ102V	RESISTENCIA CHIP PELÖCULA
R6814	ERJ3GEYJ102V	RESISTENCIA CHIP PELÖCULA
R6818	ERJ3GEYJ102V	RESISTENCIA CHIP PELÖCULA
R6819	ERJ3GEYJ102V	RESISTENCIA CHIP PELÖCULA
R6820	ERJ3GEYJ102V	RESISTENCIA CHIP PELÖCULA
R6821	ERJ3GEYJ102V	RESISTENCIA CHIP PELÖCULA
R6822	ERJ3GEYJ102V	RESISTENCIA CHIP PELÖCULA
R6824	ERJ3GEYJ223V	RESISTENCIA CHIP PELÖCULA
R6825	ERJ3GEYJ472V	RESISTENCIA CHIP PELÖCULA
R6826	ERJ3GEYJ472V	RESISTENCIA CHIP PELÖCULA

R6827	ERJ3GEYJ103V	RESISTENCIA CHIP PELÖCULA
R6828	ERJ3GEYJ102V	RESISTENCIA CHIP PELÖCULA
R6829	ERJ3GEYJ102V	RESISTENCIA CHIP PELÖCULA
R6830	ERJ3GEYJ102V	RESISTENCIA CHIP PELÖCULA
R6831	D0GB101JA002	THICK FILM CHIP RESISTOR
R6833	D0GB101JA002	THICK FILM CHIP RESISTOR
R6834	D0GB101JA002	THICK FILM CHIP RESISTOR
R6835	ERJ3GEYJ102V	RESISTENCIA CHIP PELÖCULA
R6836	D0GB101JA002	THICK FILM CHIP RESISTOR
R6837	ERJ3GEYJ102V	RESISTENCIA CHIP PELÖCULA
R6838	D0GB272JA002	THICK FILM CHIP RESISTOR
R6839	ERJ3GEYJ223V	RESISTENCIA CHIP PELÖCULA
R6840	D0GB101JA002	THICK FILM CHIP RESISTOR
R6841	D0GB101JA002	THICK FILM CHIP RESISTOR
R6842	ERJ3GEY0R00V	CHIP JUMPER
R6843	ERJ3GEYJ102V	RESISTENCIA CHIP PELÖCULA
R6844	ERJ3GEYJ102V	RESISTENCIA CHIP PELÖCULA
R6845	ERJ3GEYJ102V	RESISTENCIA CHIP PELÖCULA
R6846	ERJ3GEYJ102V	RESISTENCIA CHIP PELÖCULA
R6847	ERJ3GEYJ102V	RESISTENCIA CHIP PELÖCULA
R6848	D0GB272JA002	THICK FILM CHIP RESISTOR
R6849	D0GB272JA002	THICK FILM CHIP RESISTOR
R6850	D0GB272JA002	THICK FILM CHIP RESISTOR
R6851	D0GB272JA002	THICK FILM CHIP RESISTOR
R6854	ERJ3GEYJ102V	RESISTENCIA CHIP PELÖCULA
R6855	ERJ3GEYJ102V	RESISTENCIA CHIP PELÖCULA
R6856	D0GB122JA019	CHIP RESISTOR
R6857	ERJ3GEYJ182V	RESISTENCIA CHIP PELÖCULA
R6858	ERJ3GEYJ222V	RESISTENCIA CHIP PELÖCULA
R6859	D0GB272JA002	THICK FILM CHIP RESISTOR
R6860	ERJ3GEYJ472V	RESISTENCIA CHIP PELÖCULA
R6861	ERJ3GEYJ682V	RESISTENCIA CHIP PELÖCULA
R6862	ERJ3GEYJ103V	RESISTENCIA CHIP PELÖCULA
R6863	ERJ3GEYJ104V	RESISTENCIA CHIP PELÖCULA
R6864	ERJ3GEYJ473V	RESISTENCIA CHIP PELÖCULA
R6865	ERJ3GEYJ473V	RESISTENCIA CHIP PELÖCULA
R6866	D0GB563JA002	THICK FILM CHIP RESISTOR
R6867	ERJ3GEYJ470V	RESISTENCIA CHIP PELÖCULA
R6868	ERJ3GEYJ104V	RESISTENCIA CHIP PELÖCULA
R6869	D0GB392JA002	CHIP RESISTOR
R6870	D0GB563JA002	THICK FILM CHIP RESISTOR
R6871	ERJ3GEYJ470V	RESISTENCIA CHIP PELÖCULA
R6872	ERJ3GEY0R00V	CHIP JUMPER
R6873	ERJ3GEYJ103V	RESISTENCIA CHIP PELÖCULA
R6874	ERJ3GEY0R00V	CHIP JUMPER
R6875	D0GB101JA002	THICK FILM CHIP RESISTOR
R6876	ERJ3GEY0R00V	CHIP JUMPER
R6877	ERJ3GEYJ223V	RESISTENCIA CHIP PELÖCULA
R6878	ERJ3GEY0R00V	CHIP JUMPER
R6879	ERJ3GEYJ123V	RESISTENCIA CHIP PELÖCULA
R6881	D0GB101JA002	THICK FILM CHIP RESISTOR
R6885	ERJ3GEYJ103V	RESISTENCIA CHIP PELÖCULA
R6886	ERJ3GEYJ222V	RESISTENCIA CHIP PELÖCULA
R6887	ERJ3GEYJ474V	RESISTENCIA CHIP PELÖCULA

R6888	ERJ3GEYJ472V	RESISTENCIA CHIP PELÖCULA
R6889	ERJ3GEYJ183V	RESISTENCIA CHIP PELÖCULA
R6890	ERJ3GEYJ681V	RESISTENCIA
R6891	ERJ3GEYJ681V	RESISTENCIA
R6892	ERJ3GEYJ561V	RESISTENCIA CHIP PELÖCULA
R6893	ERJ3GEYJ102V	RESISTENCIA CHIP PELÖCULA
R6894	ERJ3GEYJ102V	RESISTENCIA CHIP PELÖCULA
R6895	ERJ3GEYJ102V	RESISTENCIA CHIP PELÖCULA
R6896	D0GB101JA002	THICK FILM CHIP RESISTOR
R6897	D0GB101JA002	THICK FILM CHIP RESISTOR
R6898	D0GB101JA002	THICK FILM CHIP RESISTOR
R6899	D0GB101JA002	THICK FILM CHIP RESISTOR
R6900	ERJ3GEYJ102V	RESISTENCIA CHIP PELÖCULA
R6901	ERJ3GEYJ102V	RESISTENCIA CHIP PELÖCULA
R6902	ERJ3GEYJ102V	RESISTENCIA CHIP PELÖCULA
R6903	D0GB101JA002	THICK FILM CHIP RESISTOR
R6904	D0GB101JA002	THICK FILM CHIP RESISTOR
R6905	ERJ3GEYJ102V	RESISTENCIA CHIP PELÖCULA
R6906	ERJ3GEYJ102V	RESISTENCIA CHIP PELÖCULA
R6909	ERJ3GEY0R00V	CHIP JUMPER
R6910	ERJ3GEYJ104V	RESISTENCIA CHIP PELÖCULA
R6912	D0GB101JA002	THICK FILM CHIP RESISTOR
R6913	D0GB101JA002	THICK FILM CHIP RESISTOR
R6914	D0GB101JA002	THICK FILM CHIP RESISTOR
R6915	D0GB101JA002	THICK FILM CHIP RESISTOR
R6916	D0GB101JA002	THICK FILM CHIP RESISTOR
R6917	D0GB101JA002	THICK FILM CHIP RESISTOR
R6918	D0GB101JA002	THICK FILM CHIP RESISTOR
R6919	D0GB101JA002	THICK FILM CHIP RESISTOR
R6920	D0GB101JA002	THICK FILM CHIP RESISTOR
R6921	D0GB101JA002	THICK FILM CHIP RESISTOR
R6922	ERJ3GEYJ223V	RESISTENCIA CHIP PELÖCULA
R6923	D0GB333JA002	CHIP RESISTOR
R6924	D0GB101JA002	THICK FILM CHIP RESISTOR
R6925	ERJ3GEYJ102V	RESISTENCIA CHIP PELÖCULA
R6926	ERJ3GEYJ103V	RESISTENCIA CHIP PELÖCULA
R6927	ERJ3GEYJ103V	RESISTENCIA CHIP PELÖCULA
R6928	ERJ3GEYJ103V	RESISTENCIA CHIP PELÖCULA
R6929	ERJ3GEYJ102V	RESISTENCIA CHIP PELÖCULA
R6930	ERJ3GEYJ103V	RESISTENCIA CHIP PELÖCULA
R6931	ERJ3GEYJ103V	RESISTENCIA CHIP PELÖCULA
R6932	ERJ3GEYJ472V	RESISTENCIA CHIP PELÖCULA
R6933	ERJ3GEYJ472V	RESISTENCIA CHIP PELÖCULA
R6934	ERJ3GEYJ472V	RESISTENCIA CHIP PELÖCULA
R6935	ERJ3GEYJ473V	RESISTENCIA CHIP PELÖCULA
R6937	ERJ3GEYJ102V	RESISTENCIA CHIP PELÖCULA
R6938	ERJ3GEYJ102V	RESISTENCIA CHIP PELÖCULA
R6939	D0GB122JA019	CHIP RESISTOR
R6940	ERJ3GEYJ182V	RESISTENCIA CHIP PELÖCULA
R6941	ERJ3GEYJ222V	RESISTENCIA CHIP PELÖCULA
R6943	ERJ3GEYJ681V	RESISTENCIA
R6944	ERJ3GEYJ473V	RESISTENCIA CHIP PELÖCULA
R6945	ERJ3GEYJ103V	RESISTENCIA CHIP PELÖCULA
R6946	ERJ3GEYJ472V	RESISTENCIA CHIP PELÖCULA

R6947	ERJ3GEYJ223V	RESISTENCIA CHIP PELÖCULA
R6948	ERJ3GEYJ681V	RESISTENCIA
R6950	ERJ3GEYJ103V	RESISTENCIA CHIP PELÖCULA
R6951	D0GB106JA008	CHIP RESISTOR
R6952	ERJ3GEYJ331V	RESISTENCIA CHIP PELÖCULA
R6953	ERJ3GEYJ223V	RESISTENCIA CHIP PELÖCULA
R6954	ERJ3GEYJ474V	RESISTENCIA CHIP PELÖCULA
R6956	ERJ3GEYJ472V	RESISTENCIA CHIP PELÖCULA
R6957	ERJ3GEYJ474V	RESISTENCIA CHIP PELÖCULA
R6958	ERJ3GEY0R00V	CHIP JUMPER
R6959	ERD2FCVG470T	RESISTENCIA
R6960	ERD2FCVG470T	RESISTENCIA
R6962	ERJ3GEYJ103V	RESISTENCIA CHIP PELÖCULA
R6963	ERJ3GEYJ102V	RESISTENCIA CHIP PELÖCULA
R6964	ERJ3GEYJ102V	RESISTENCIA CHIP PELÖCULA
R6965	D0GB122JA019	CHIP RESISTOR
R6966	ERJ3GEYJ182V	RESISTENCIA CHIP PELÖCULA
R6967	ERJ3GEYJ222V	RESISTENCIA CHIP PELÖCULA
R6968	D0GB272JA002	THICK FILM CHIP RESISTOR
R6969	ERJ3GEYJ472V	RESISTENCIA CHIP PELÖCULA
R6970	ERJ3GEYJ682V	RESISTENCIA CHIP PELÖCULA
R6971	ERJ3GEYJ103V	RESISTENCIA CHIP PELÖCULA
R6972	ERJ3GEY0R00V	CHIP JUMPER
R6973	ERJ3GEY0R00V	CHIP JUMPER
R6974	ERJ3GEYJ223V	RESISTENCIA CHIP PELÖCULA
R6975	ERJ3GEYJ223V	RESISTENCIA CHIP PELÖCULA
R6976	ERJ3GEYJ222V	RESISTENCIA CHIP PELÖCULA
R6979	ERJ3GEYJ104V	RESISTENCIA CHIP PELÖCULA
R6980	ERJ3GEYJ104V	RESISTENCIA CHIP PELÖCULA
R6981	ERJ3GEYJ334V	RESISTENCIA CHIP
R6982	ERJ3GEYJ221V	RESISTENCIA CHIP PELÖCULA
R6983	ERJ3GEYJ822V	RESISTENCIA CHIP PELÖCULA
R6984	D0GB101JA002	THICK FILM CHIP RESISTOR
R6985	ERJ3GEYJ2R7V	RESISTENCIA CHIP PELÖCULA
R6986	ERJ3GEYJ223V	RESISTENCIA CHIP PELÖCULA
R6987	ERJ3GEYJ334V	RESISTENCIA CHIP
R6988	ERJ3GEYJ102V	RESISTENCIA CHIP PELÖCULA
R6989	ERJ3GEYJ2R7V	RESISTENCIA CHIP PELÖCULA
R6990	ERJ3GEYJ223V	RESISTENCIA CHIP PELÖCULA
R6991	ERJ3GEYJ331V	RESISTENCIA CHIP PELÖCULA
R6992	D0GB101JA002	THICK FILM CHIP RESISTOR
R6993	ERJ3GEY0R00V	CHIP JUMPER
R6994	ERJ3GEYJ472V	RESISTENCIA CHIP PELÖCULA
R6995	ERJ3GEYJ102V	RESISTENCIA CHIP PELÖCULA
R6996	ERJ3GEYJ270V	CHIP RESISTOR
R6997	ERJ3GEYJ102V	RESISTENCIA CHIP PELÖCULA
R6998	ERJ3GEYJ272V	RESISTENCIA CHIP PELÖCULA
R6999	ERJ3GEYJ104V	RESISTENCIA CHIP PELÖCULA
R952	ERDS2TJ821T	RESISTENCIA CARBON
R953	ERDS2TJ393T	RESISTENCIA CARBON
R972	ERDS2TJ821T	RESISTENCIA CARBON
R973	ERDS2TJ393T	RESISTENCIA CARBON
RL502	RSY0040M-0	RELEVADOR PRIMARIO
RXXX	ERJ3GEY0R00V	CHIP JUMPER

S6800	EVQ21405R	TACT SWITCH
S6801	EVQ21405R	TACT SWITCH
S6802	EVQ21405R	TACT SWITCH
S6803	EVQ21405R	TACT SWITCH
S6804	EVQ21405R	TACT SWITCH
S6805	EVQ21405R	TACT SWITCH
S6806	EVQ21405R	TACT SWITCH
S6807	EVQ21405R	TACT SWITCH
S6808	EVQ21405R	TACT SWITCH
S6809	EVQ21405R	TACT SWITCH
S6810	EVQ21405R	TACT SWITCH
S6811	EVQ21405R	TACT SWITCH
S6812	EVQ21405R	TACT SWITCH
S6813	EVQ21405R	TACT SWITCH
S6814	EVQ21405R	TACT SWITCH
S6815	EVQ21405R	TACT SWITCH
S6816	EVQ21405R	TACT SWITCH
S6817	EVQ21405R	TACT SWITCH
S6819	EVQ21405R	TACT SWITCH
S6820	EVQ21405R	TACT SWITCH
S6821	EVQ21405R	TACT SWITCH
S6822	EVQ21405R	TACT SWITCH
S6823	EVQ21405R	TACT SWITCH
S6824	EVQ21405R	TACT SWITCH
S6825	EVQ21405R	TACT SWITCH
S6826	EVQ21405R	TACT SWITCH
S951	RSH1A018-3U	INTERUPTOR DE HOJA METALICA
S952	RSH1A019-2U	INTERUPTOR DE HOJA METALICA
S971	RSH1A018-3U	INTERUPTOR DE HOJA METALICA
S972	RSH1A019-2U	INTERUPTOR DE HOJA METALICA
S974	RSH1A019-2U	INTERUPTOR DE HOJA METALICA
S975	RSH1A019-2U	INTERUPTOR DE HOJA METALICA
SB6800	RMBX0032-1	GROUP SPRING
T501	RTPM1P3M040-V	TRANSF. PRINCIPAL SA-TM72/92DV
T502	RTP1H3E002	TRANSFORMADOR DE RESPALDO
VR6800	EVEKE2F3524B	CONTROL DE VOLUMEN
VR6801	EVUE27FK2B53	MIC VR
W1	REE0971	WIRE (AMARILLO)
W2100	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W2101	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W2102	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W2104	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W2105	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W2106	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W2107	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W2108	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W2109	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W2110	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W2112	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W2113	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W2114	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W2115	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W2116	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W2118	W6NL-0	ALAMBRE DESNUDO ESTA#ADO

[illegible]

[illegible]

[illegible]

W2307	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W2308	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W2309	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W2310	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W2312	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W2313	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W2314	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W2315	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W2316	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W2317	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W2318	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W2319	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W2320	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W2321	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W2322	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W2323	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W2324	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W2325	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W2326	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W2327	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W2328	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W2329	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W2330	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W2331	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W2332	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W2333	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W2334	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W2335	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W2337	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W2338	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W2339	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W2340	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W2341	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W2342	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W2343	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W2344	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W2345	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W2346	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W2347	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W2348	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W2349	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W2350	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W2352	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W2353	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W2354	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W2355	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W2356	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W2357	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W2358	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W2360	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W2800	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W2801	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W2802	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W2803	W6NL-0	ALAMBRE DESNUDO ESTA#ADO

W2804	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W2805	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W2806	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W2807	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W2808	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W2809	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W2811	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W2816	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W2819	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W2820	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W2821	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W2822	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W2823	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W2824	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W2826	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W2827	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W2829	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W2830	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W4	REEX0061	WIRE BLACK
W5100	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W5101	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W5102	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W5103	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W5104	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W5105	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W5106	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W5107	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W5110	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W5111	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W5112	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W5113	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W5114	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W5115	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W5116	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W5117	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W5118	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W5119	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W5120	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W5121	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W5122	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W5123	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W5124	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W5125	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W5126	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W5127	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W5128	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W5129	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W5130	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W5131	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W5132	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W5133	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W5134	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W5136	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W5137	W6NL-0	ALAMBRE DESNUDO ESTA#ADO

[illegible]

[illegible]

[illegible]

W5473	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W5474	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W5475	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W5487	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W5488	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W5489	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W5490	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W5491	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W5492	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W5498	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W5499	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W5500	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W5501	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W5502	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W5503	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W5504	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W5505	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W5506	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W5514	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W5515	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W5516	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W5517	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W5518	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W5526	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W5527	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W5528	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W5529	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W5530	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W5531	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W5532	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W5533	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W5541	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W5542	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W5600	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W5601	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W5602	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W5605	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W5606	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W5801	REXX0304-1	15 PIN FLAT WIRE
W5802	REXX0304-1	15 PIN FLAT WIRE
W5803	REXX0302	8 PIN FLAT WIRE
W5804	REXX0297	10 PIN WIRE CONNECTOR
W5805	REXX0296	7 PIN FLAT WIRE
W5808	REXX0383-1	CABLE
W5809	REXX0431-1	CABLE
W5810	REXX0382-1	CABLE
W5811	REXX0433	CABLE
W5820	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W5821	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W5822	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W5828	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W5833	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W5834	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W5840	W6NL-0	ALAMBRE DESNUDO ESTA#ADO

[illegible]

[illegible]

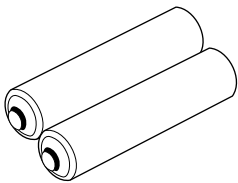
W6207	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W6208	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W6209	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W6210	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W6211	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W6212	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W6213	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W6214	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W6215	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W6216	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W6217	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W6219	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W6220	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W6221	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W6222	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W6223	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W6224	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W6225	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W6226	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W6227	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W6228	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W6229	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W6230	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W6231	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W6232	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W6233	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W6234	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W6235	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W6236	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W6237	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W6238	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W6239	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W6240	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W6241	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W6242	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W6243	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W6244	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W6245	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W6246	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W6247	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W6248	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W6249	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W6250	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W6251	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W6252	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W6253	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W6254	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W6255	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W6256	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W6257	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W6258	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W6259	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W6260	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W6261	W6NL-0	ALAMBRE DESNUDO ESTA#ADO

W6262	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W6263	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W6264	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W6265	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W6266	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W6267	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W6268	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W6269	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W6270	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W6272	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W6276	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W6279	W6NL-0	ALAMBRE DESNUDO ESTA#ADO
W6800	REXX0419	7P (2MM) FLAT WIRE
W6805	REXX0413	7P (2MM) FLAT WIRE
X6800	H2A100500006	10 MHZ RESONATOR
X6801	H0A327200073	32.768 HKZ XTAL
Z501	ERZV10V511CS	ZNR
Z6800	B3RAB0000025	CONTROL SENSOR REMOTO
Z971	RGSD12A1445T	RESISTENCIA RADA

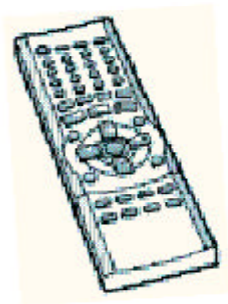
26.5 Accessories Parts List

Ref. No.	Part. No.	Part Name & Description
A1	N2QAJB000110	REMOTE CONTROL
A1-1	UM-3PA/T	BATTERY
A2	SJA168-1A	AC CORD
A3	RSA0007-L	FM ANTENNA
A4	RJL1P016B15A	VIDEO CABLE
A5	N1DAAAA00001	LINEAR ANTENNA

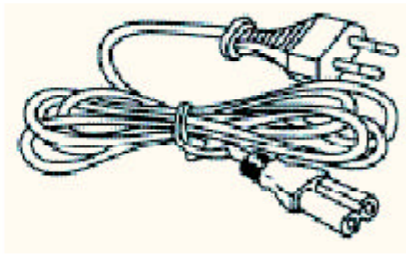
A1-1



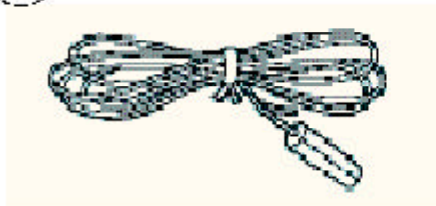
A1



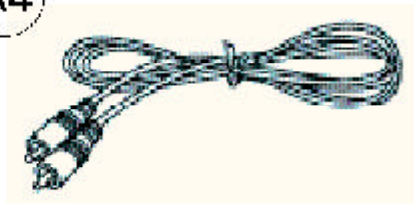
A2



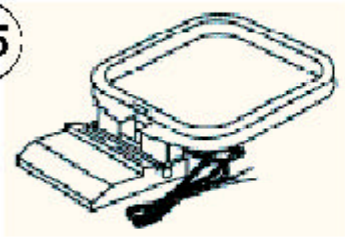
A3



A4



A5



- A1 REMOTE CONTROL
- A2 AC CORD
- A3 FM ANTENNA
- A4 VIDEO CABLE
- A5 LINEAR ANTENNA

FRONT SPEAKER

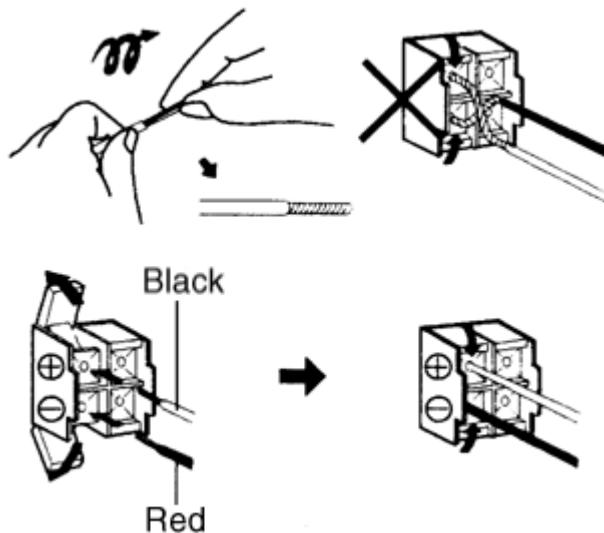
SB-VK91

Table Of Contents

- 1 Connection of the Speaker Cables
- 2 Connection of Wiring Diagram
- 3 Cabinet Parts Location
- 4 Replacement Parts List
- 5 Packaging
- 5.1 SB-VK91D

1 Connection of the Speaker Cables

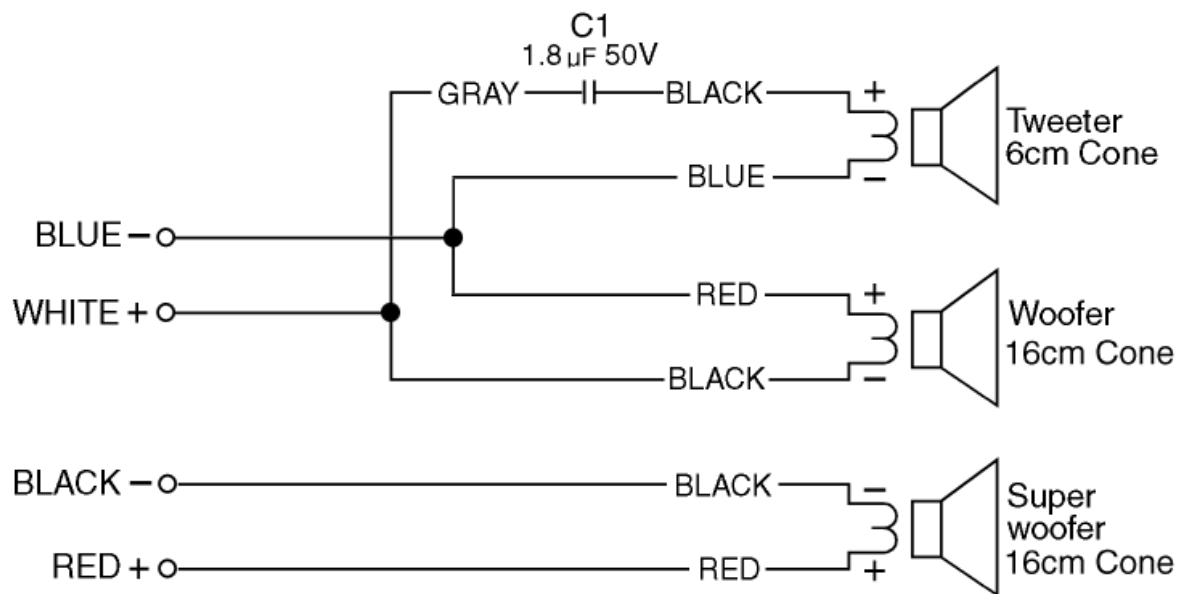
- Be sure to connect speaker cables before connecting the AC power supply cord.
 - The load impedance of any speaker used with this unit must be $6\Omega/12\Omega$.
 - Be sure to connect the cable from the right speaker to the right terminal and the cable from the left speaker to the left terminal.
1. Strip off the outer covering, and twist the center conductor. Make sure the bare ends of the wires are not unravelled. (If they are, twist them tight again.)
 2. Insert the wire to the rear panel of the unit and close the lever.



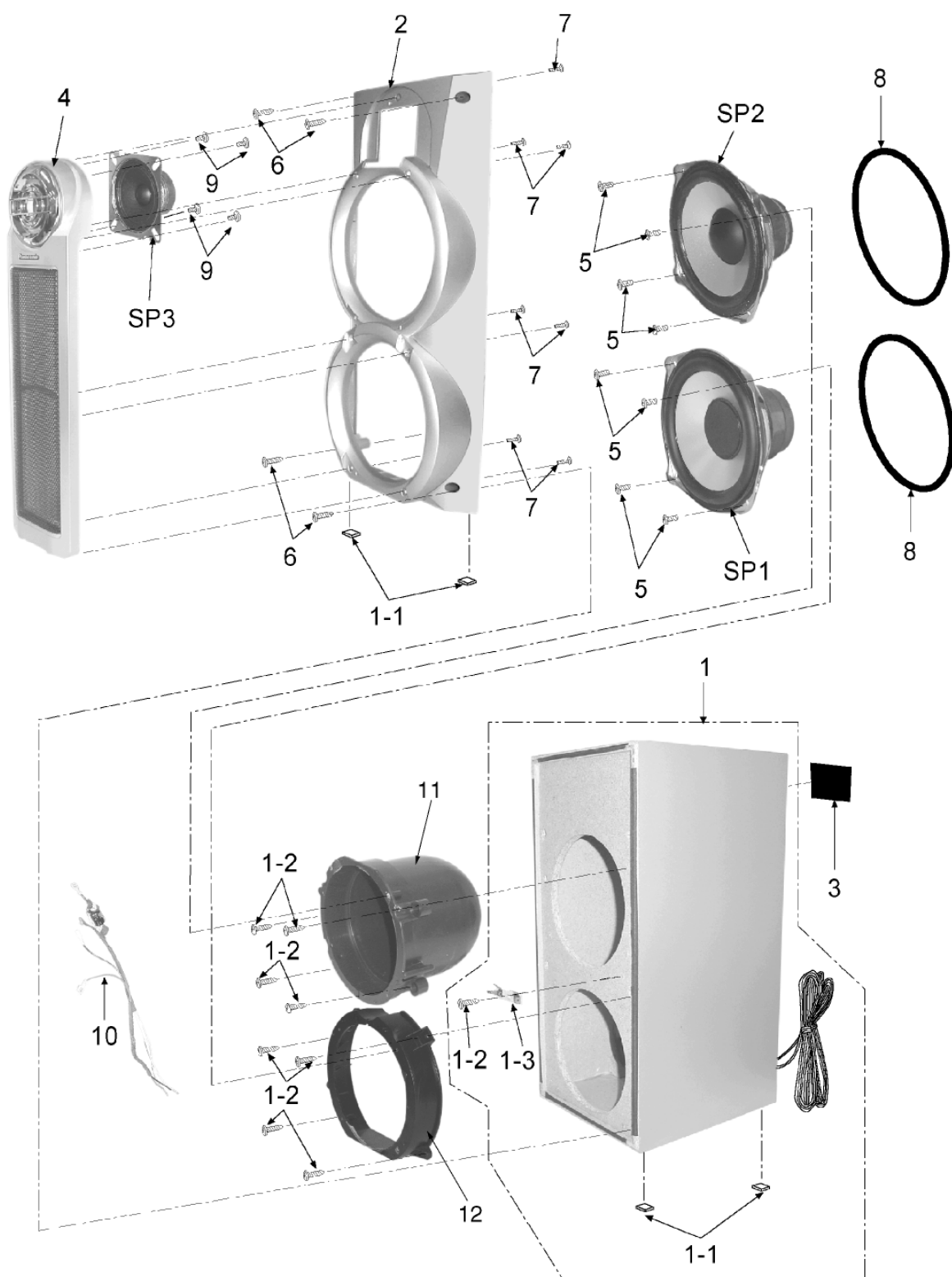
Notes :

- To prevent damage to circuitry, never short-circuit positive (+) and negative (-) speaker wires.
- Be sure to connect only positive (black) wires to positive (+) terminals and negative (red) wires to negative (-) terminals.

2 Connection of Wiring Diagram



3 Cabinet Parts Location



4 Replacement Parts List

Notes :

- Important safety notice :

When replacing any of these components, be sure to use only manufacturer's specified parts shown in the parts list.

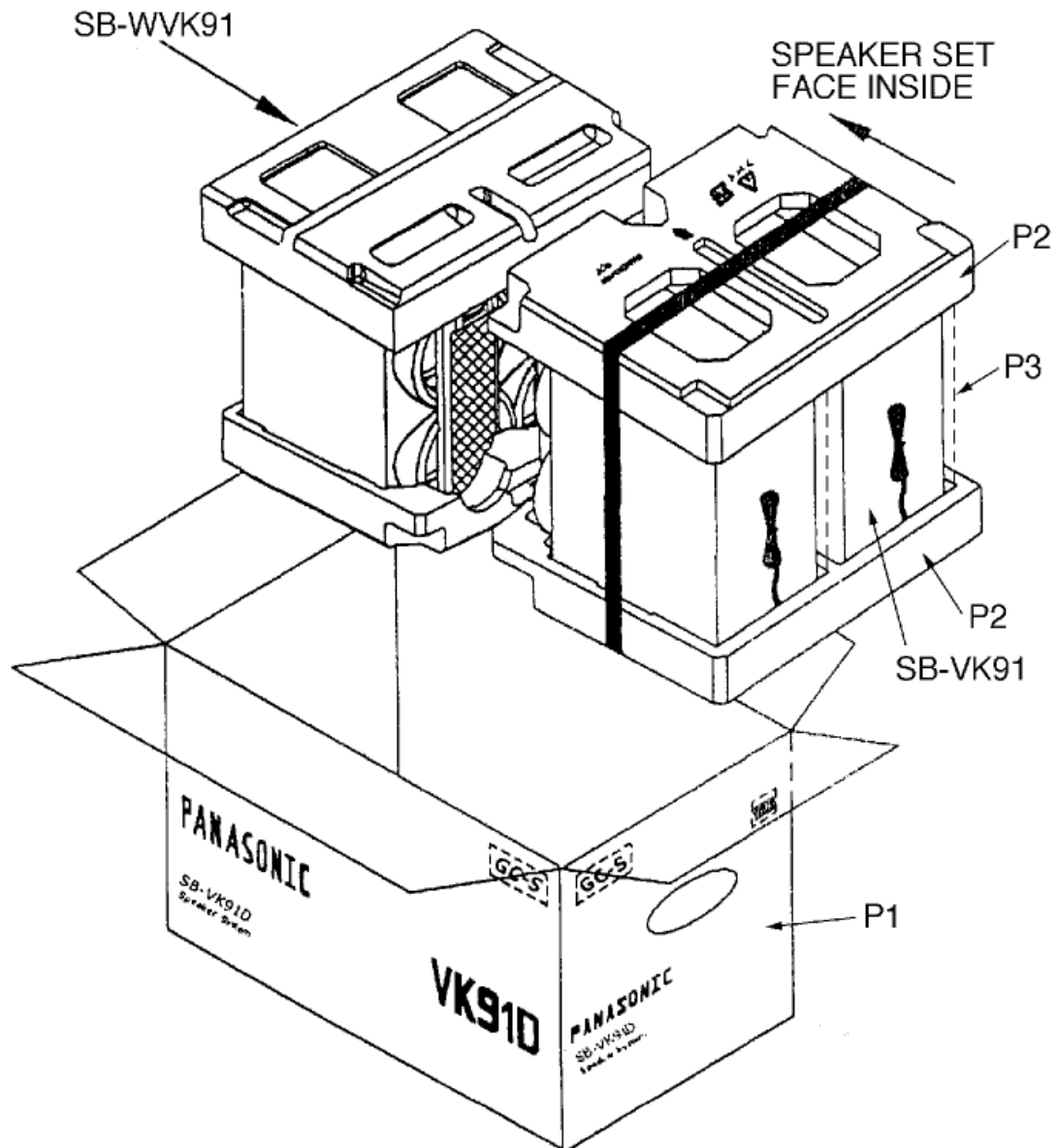
- [M] indicates in the Remarks columns indicates parts supplied by [PAVCSG](#) .

Ref. No.	Part No.	Part Name & Description	Remarks
		<SB-VK91>	
		CABINET AND CHASSIS	
1	RFKHBVK91GCS	SPEAKER CAB. ASS'Y	[M]
1-1	RKA0072-KJ	LEG CUSHION	[M]
1-2	XTB4+16AFZ	SCREW	[M]
1-3	RJH9210	TERMINAL PLATE	[M]
2	RGPX0161-S	FRONT PANEL ASS'Y	[M]
3	RGNX0248-K	SPEC. LABEL	[M]
4	RYKX0286-S	NET FRAME ASS'Y	[M]
5	XTB4+10G	SCREW	[M]
6	XTB4+20AFN	SCREW	[M]
7	XTB3+10G	SCREW	[M]
8	RMQX0115	EVA PACKING	[M]
9	XTB4+8G	SCREW	[M]
10	REEX0390	NETWORK ASS'Y	[M]
11	RMRX0048-K	BACK CAVITY	[M]
12	RMRX0049-K	WOOFER SPACER	[M]
		CAPACITORS	
C1	ECEA1HAY1R8	1.8uf 50V	[M]
		PACKING MATERIALS	
P1	RPGX1323	CARTON BOX	[M]
P2	RPNX0256	POLYFOAM	[M]
P3	RPFX0083	MIRAMAT BAG	[M]
		SPEAKER	

<u>SP1</u>	L0AA15A00008	SUPER WOOFER	[M]
<u>SP2</u>	L0AA15A00006	WOOFER	[M]
<u>SP3</u>	EAST6PH11K6	TWEETER	[M]

5 Packaging

5.1 SB-VK91D



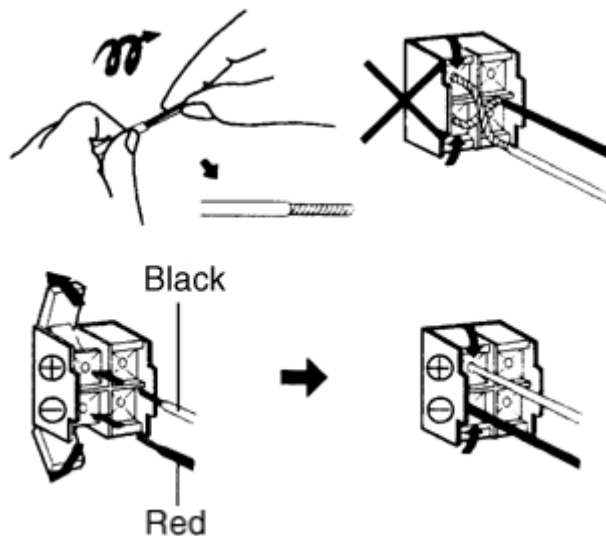
SUBWOOFER SPEAKER SB-WVK91

Table Of Contents

- 1 Connection of the Speaker Cables
- 2 Connection of Wiring Diagram
- 3 Cabinet Parts Location
- 4 Replacement Parts List
- 5 Packaging

1 Connection of the Speaker Cables

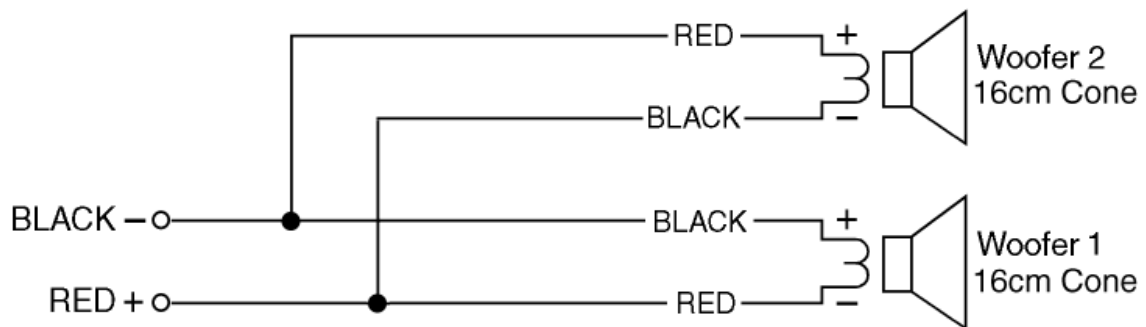
- Be sure to connect speaker cables before connecting the AC power supply cord.
 - The load impedance of any speaker used with this unit must be 6Ω .
 - Be sure to connect the cable from the right speaker to the right terminal and the cable from the left speaker to the left terminal.
1. Strip off the outer covering, and twist the center conductor. Make sure the bare ends of the wires are not unravelled. (If they are, twist them tight again.)
 2. Insert the wire to the rear panel of the unit and close the lever.



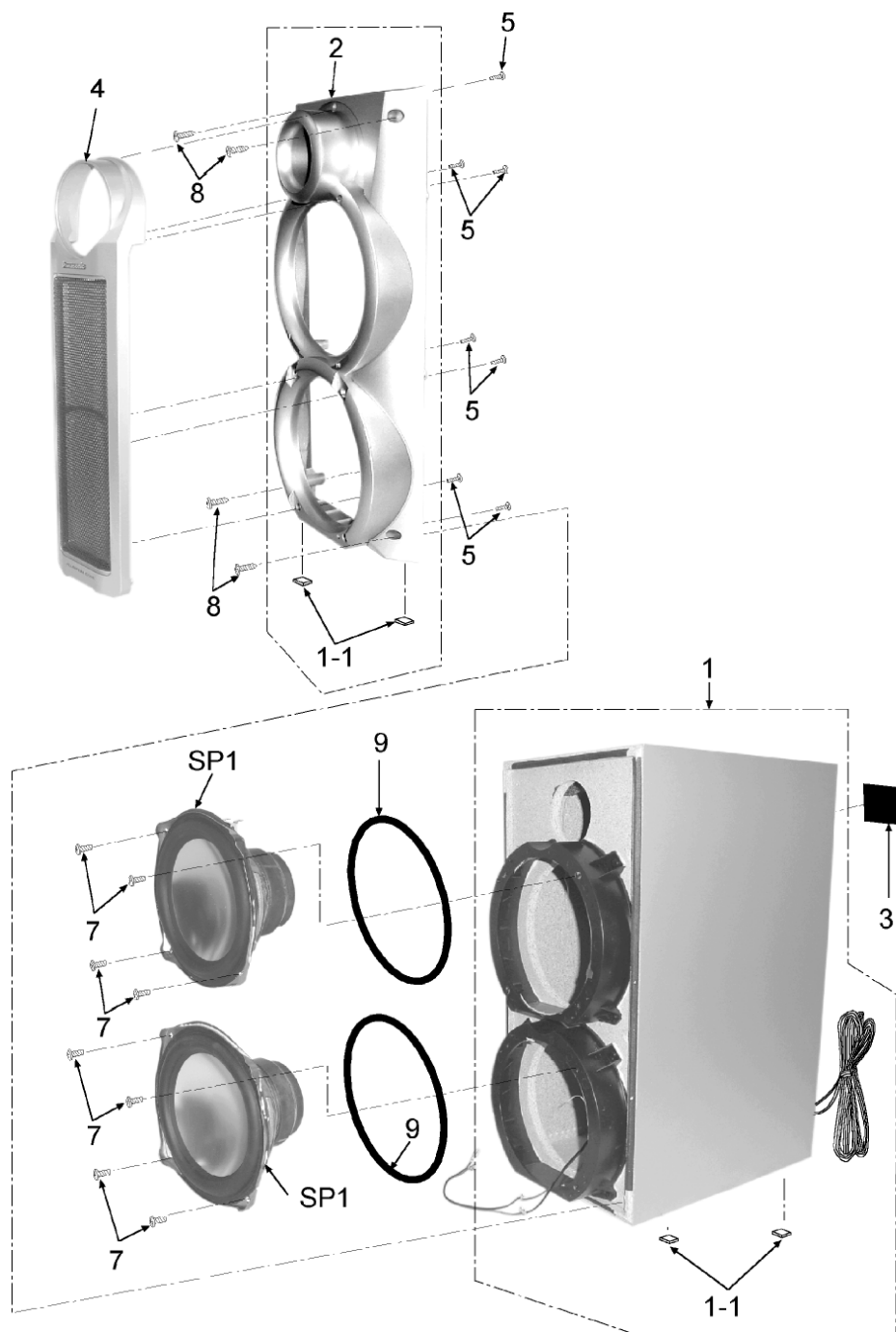
Notes :

- To prevent damage to circuitry, never short-circuit positive (+) and negative (-) speaker wires.
- Be sure to connect only positive (black) wires to positive (+) terminals and negative (red) wires to negative (-) terminals.

2 Connection of Wiring Diagram



3 Cabinet Parts Location



4 Replacement Parts List

Notes :

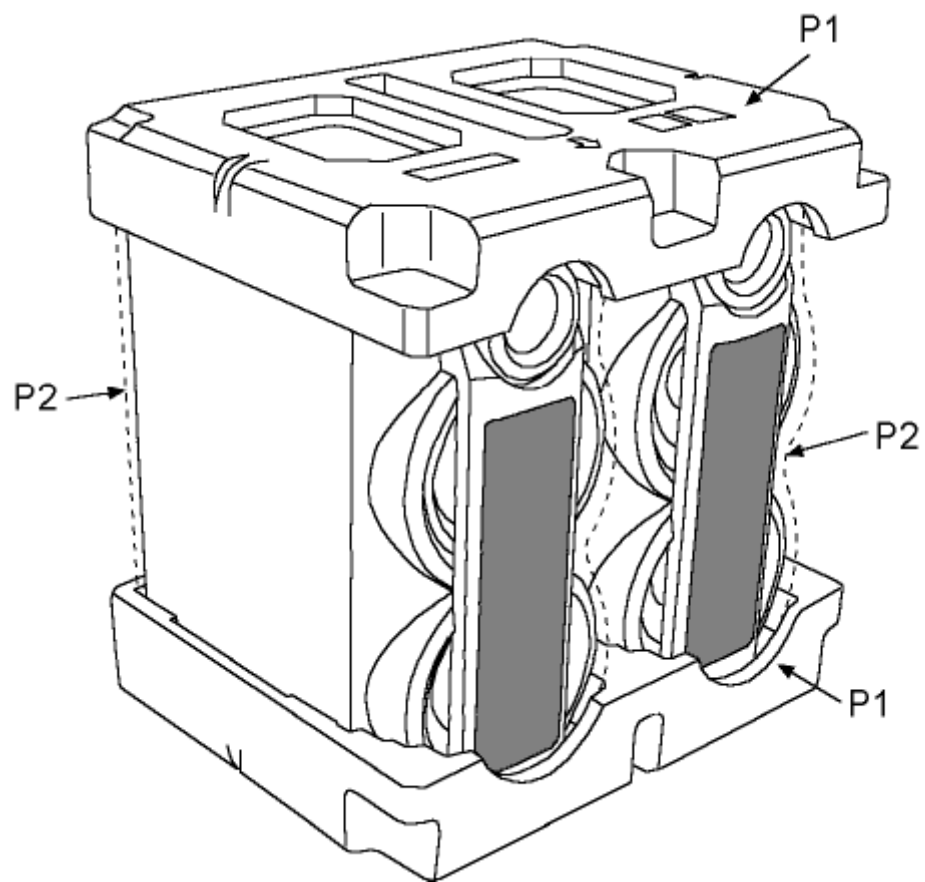
- Important safety notice :

When replacing any of these components, be sure to use only manufacturer's specified parts shown in the parts list.

- [M] indicates in the Remarks columns indicates parts supplied by [PAVCSG](#) .

Ref. No.0	Part No.	Part Name & Description	Remarks
		<SB-WVK91>	
		CABINET AND CHASSIS	
1	RFKHBWVK81GC	WOODEN CAB. ASS'Y	[M]
1-1	RKA0072-KJ	LEG CUSHION	[M]
2	RFKGBWVK81GC	FRONT PANEL ASS'Y	[M]
3	RGNX0249-K1	SPEC. LABEL	[M]
4	RYKX0291-S	NET FRAME ASS'Y	[M]
5	XTB3+10G	SCREW	[M]
7	XTB4+10G	SCREW	[M]
8	XTB4+20AFN	SCREW	[M]
9	RMQX0115	EVA PACKING	[M]
		PACKING MATERIALS	
P1	RPNX0257	POLYFOAM	[M]
P2	RPFX0084	MIRAMAT BAG	[M]
		SPEAKER	
SP1	L0AA15A00005	SUBWOOFER	[M]

5 Packaging



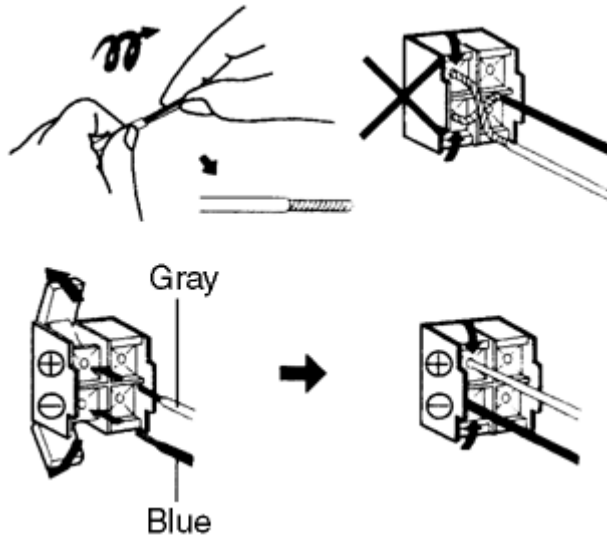
CENTER & SURROUND SPEAKER SB-PC81A & SB-PS81A

Table Of Contents

- 1 Connection of the Speaker Cables
- 2 Connection of Wiring Diagram
 - 2.1 SB-PC81A
 - 2.2 SB-PS81A
- 3 Cabinet Parts Location
 - 3.1 SB-PC81A
 - 3.2 SB-PS81A
- 4 Replacement Parts List
- 5 Packaging
 - 5.1 SB-PC81A & SB-PS81A

1 Connection of the Speaker Cables

- Be sure to connect speaker cables before connecting the AC power supply cord.
 - The load impedance of any speaker used with this unit must be 6Ω.
 - Be sure to connect the cable from the right speaker to the right terminal and the cable from the left speaker to the left terminal.
-
1. Strip off the outer covering, and twist the center conductor. Make sure the bare ends of the wires are not unravelled. (If they are, twist them tight again.)
 2. Insert the wire to the rear panel of the unit and close the lever.

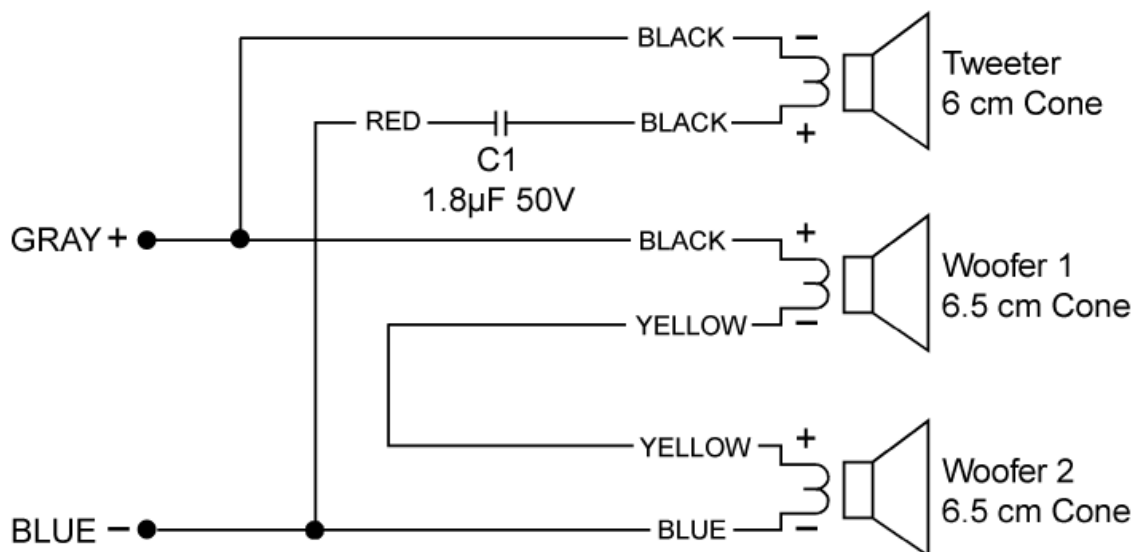


Notes :

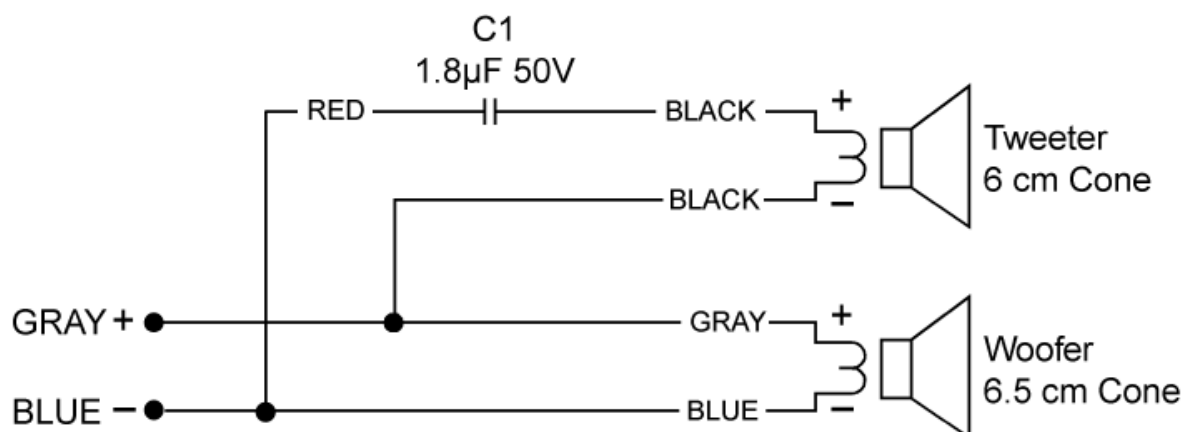
- To prevent damage to circuitry, never short-circuit positive (+) and negative (-) speaker wires.
- Be sure to connect only positive (gray) wires to positive (+) terminals and negative (blue) wires to negative (-) terminals.

2 Connection of Wiring Diagram

2.1 SB-PC81A

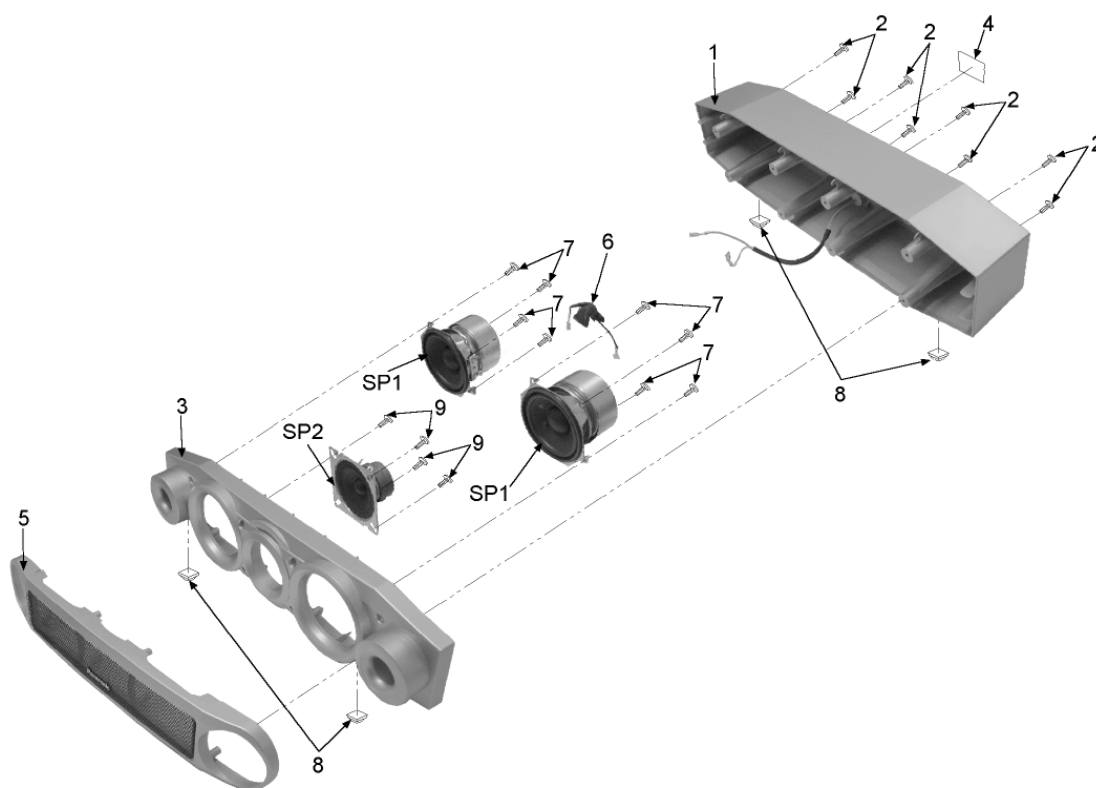


2.2 SB-PS81A

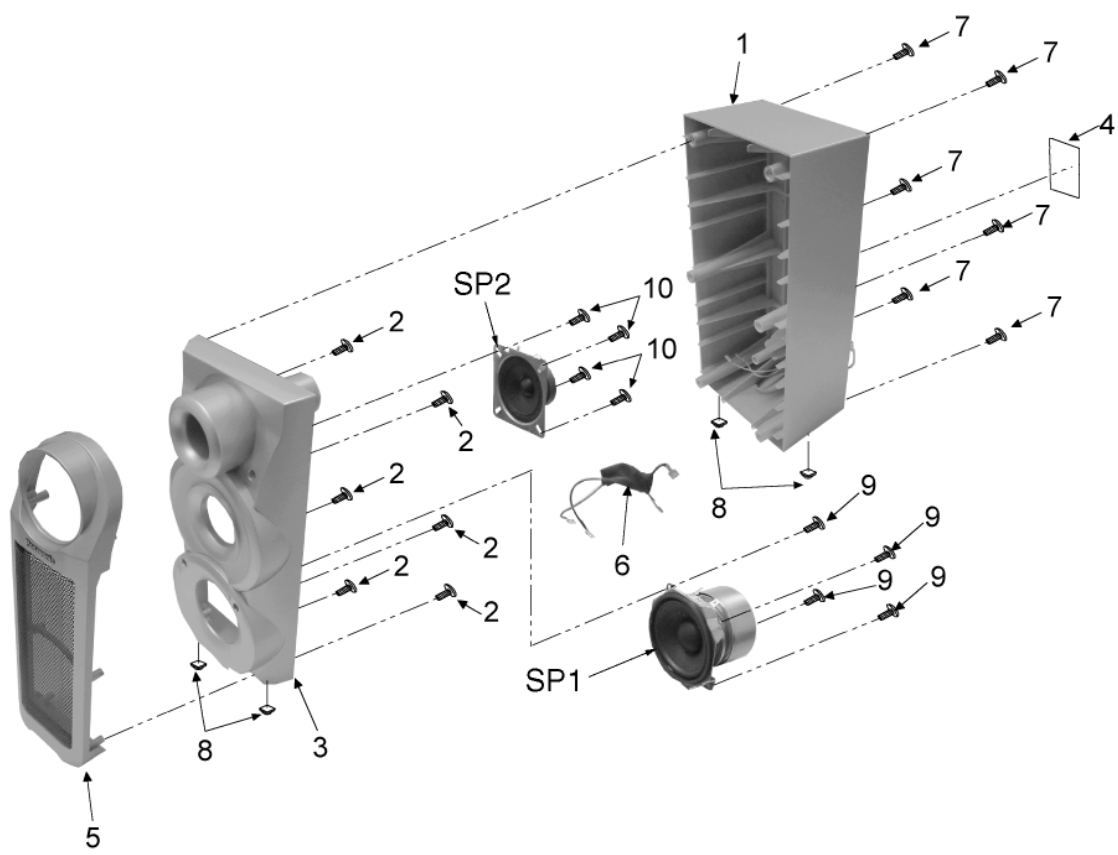


3 Cabinet Parts Location

SB-PC81A



SB-PS81A



4 Replacement Parts List

Notes :

- Important safety notice :

When replacing any of these components, be sure to use only manufacturer's specified parts shown in the parts list.
- [M] indicates in the Remarks columns indicates parts supplied by [PAVCSG](#) .

Ref. No.	Part No.	Part Name & Description	Remarks
		<SB-PC81A>	
		CABINET AND CHASSIS	
<u>1</u>	RYBX0070-S	REAR CABINET ASS'Y	[M]
<u>2</u>	XTB3+12G	SCREW	[M]

<u>3</u>	RGPX0164-S	FRONT PANEL ASS'Y	[M]
<u>4</u>	RGNX0252-K1	SPEC. LABEL	[M]
<u>5</u>	RYKX0289-S	NET FRAME ASS'Y	[M]
<u>6</u>	REEX0379	NETWORK ASS'Y	[M]
<u>7</u>	XTB4+10G	SCREW	[M]
<u>8</u>	RKA0072-KJ	LEG	[M]
<u>9</u>	XTB4+6G	SCREW	[M]
		CAPACITORS	
C1	ECEA1HAY1R8	1.8uf 50V	[M]
		PACKING MATERIALS	
<u>P1</u>	RPNX0254-1	POLYFOAM	[M]
<u>P2</u>	RPF0086	MIRAMAT BAG	[M]
		SPEAKER	
<u>SP1</u>	L0AA07A00012	WOOFER	[M]
<u>SP2</u>	EAST6PH08L6	TWEETER	[M]
Ref. No.	Part No.	Part Name & Description	Remarks
		<SB-PS81A>	
		CABINET AND CHASSIS	
<u>1</u>	RYBX0069-S	REAR CABINET ASS'Y	[M]
<u>2</u>	XTB3+10G	SCREW	[M]
<u>3</u>	RGPX0163-S	FRONT PANEL ASS'Y	[M]
<u>4</u>	RGNX0250-K1	SPEC. LABEL	[M]
<u>5</u>	RYKX0287-S	NET FRAME ASS'Y	[M]
<u>6</u>	REEX0376	NETWORK ASS'Y	[M]
<u>7</u>	XTB3+12G	SCREW	[M]
<u>8</u>	RKA0072-KJ	LEG CUSHION	[M]
<u>9</u>	XTB4+10G	SCREW	[M]
<u>10</u>	XTB4+6G	SCREW	
		CAPACITORS	
C1	ECEA1HAY1R8	1.8uf 50V	[M]
		PACKING MATERIALS	

<u>P2</u>	RPFX0085	MIRAMAT BAG	[M]
		SPEAKER	
<u>SP1</u>	L0AA07A00013	WOOFER	[M]
<u>SP2</u>	EAST6PH08A6	TWEETER	[M]

5 Packaging

5.1 SB-PC81A& SB-PS81A

