MEX1105001CE

Service Manual

CD Stereo System

Model No. SA-AKX32LM-K

Product Color: (K)...Black Type

Please refer to the original service manual for:
- **CD Mechanism Unit (BRS1C), Order No. PSG1102001CE**
- **Speaker system SB-AKX32LM-K, Order No. MEX1105002CE**

⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public.
It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product.
Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

IMPORTANT SAFETY NOTICE

There are special components used in this equipment which are important for safety. These parts are marked by ⚠ in the Schematic Diagrams, Circuit Board 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.

Nota: El idioma original de este Manual de Servicio es en idioma inglés, sin embargo algunas notas aquí mencionadas serán escritas en español para mejor descripción para Centros de Servicio de México.

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1 Safety Precautions

1.1. 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, carry out the following leakage current checks to prevent the customer from being exposed to shock hazards.

1.1.1. 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 1MΩ and 5.2MΩ.
   When the exposed metal does not have a return path to the chassis, the reading must be ∞

1.1.2. Leakage Current Hot Check

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 capacitors, 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 outside 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.

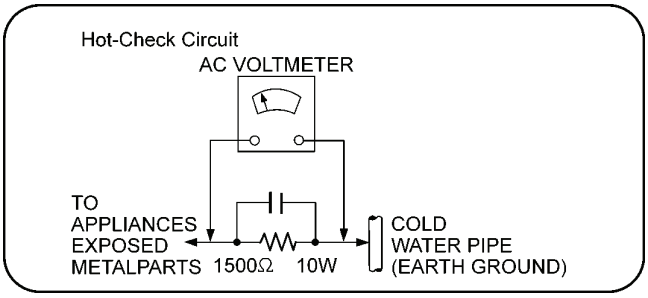


Figure 1

1.3. Caution For Fuse Replacement

CAUTION:

Replace with the same type fuse:
(Manufacturer: LITTELFUSE, INC, Type: 233, F1, 8A, 125V)

1.4. Before Repair and Adjustment

Disconnect AC power to discharge unit AC Capacitors as such (C5701, C5703, C5704, C5705, C5706, C5707, C5708) through a 10 Ω, 10 W resistor to ground.

Caution:

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 127 V, 60 Hz in Power ON, FM Tuner, No Signal, Volume minimal mode should be ~ 500 mA.

1.5. 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.

1.6. Safety Parts Information

Safety Parts List:

There are special components used in this equipment which are important for safety.

These parts are marked by ⚠ in the Schematic Diagrams, Exploded View & 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.

Modelo: **SC-AKX32LM-K**

Safety	Nombre del componente	Numero de Parte
⚠	**CABLE TOMACORRIENTE.**	SJA168-1A
⚠	**CONECTOR TOMACORRIENTE**	K2AA2B000017
⚠	TRANSFORMADOR DE PODER	G4DYZ0000050
⚠	TRANSFORMADOR DE RESPALDO	ETS19AB2E6AG
⚠	**FUSIBLE PRIMARIO**	K5D802APA008
⚠	ZNR	ERZV10V511CS
⚠	CAPACITOR DE AC	F1BAF1020020
⚠	CAPACITOR DE AC	F0CAF224A105
⚠	CAPACITOR DE AC	F0CAF104A105
⚠	CAPACITOR DE AC	F1BAF471A013
⚠	**OPTOACOPLADOR**	B3PBA0000503
⚠	PCB SMPS	RJBX0727A-1
⚠	BOBINA PRIMARIO	G0B612H00002
⚠	**GAB. MET. SIN DOBLAR**	RKMX1011Z-KL
⚠	**BRS1C CD UNIT**	RD-DDL082-PX
⚠	**REAR PANEL**	RXTM0002-A
⚠	**INSTRUCTIVO**	RQTM0183-1

2 Warning

2.1. Prevention of Electrostatic Discharge (ESD) to Electrostatic Sensitive (ES) Devices

Some semiconductor (solid state) devices can be damaged easily by static 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 electrostatic 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 aluminum foil, to prevent electrostatic charge buildup 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 removal device. Some solder removal devices not classified as “anti-static (ESD protected)” can generate electrical charge sufficient 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, aluminum 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 bodily 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).

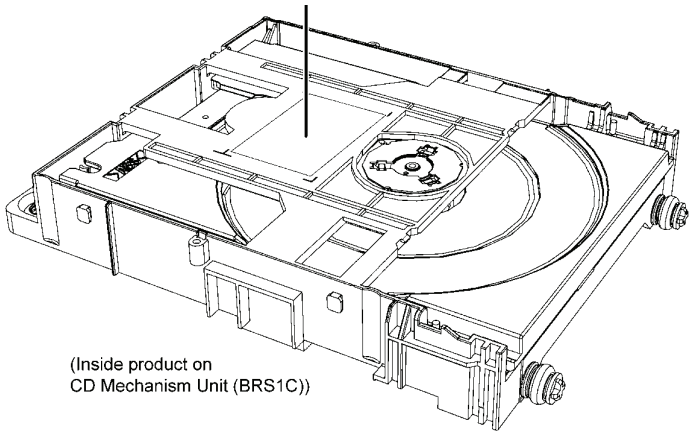
2.2. Precaution of Laser Diode

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

Caution:

This product utilizes a laser diode with the unit turned “on”, invisible laser radiation is emitted from the pickup lens.
Wavelength: 790 nm (CD)
Maximum output radiation power from pickup: 100 μW/VDE
Laser radiation from the pickup unit is safety level, but be sure the followings:

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



(Inside product on
CD Mechanism Unit (BRS1C))

7

2.3. Service caution based on Legal restrictions

2.3.1. General description about Lead Free Solder (PbF)

The lead free solder has been used in the mounting process of all electrical components on the printed circuit boards used for this equipment in considering the globally environmental conservation.

The normal solder is the alloy of tin (Sn) and lead (Pb). On the other hand, the lead free solder is the alloy mainly consists of tin (Sn), silver (Ag) and Copper (Cu), and the melting point of the lead free solder is higher approx.30 degrees C (86°F) more than that of the normal solder.

Definition of PCB Lead Free Solder being used

The letter of “PbF” is printed either foil side or components side on the PCB using the lead free solder. (See right figure)	PbF

Service caution for repair work using Lead Free Solder (PbF)

- The lead free solder has to be used when repairing the equipment for which the lead free solder is used.
  (Definition: The letter of “PbF” is printed on the PCB using the lead free solder.)
- To put lead free solder, it should be well molten and mixed with the original lead free solder.
- Remove the remaining lead free solder on the PCB cleanly for soldering of the new IC.
- Since the melting point of the lead free solder is higher than that of the normal lead solder, it takes the longer time to melt the lead free solder.
- Use the soldering iron (more than 70W) equipped with the temperature control after setting the temperature at 350±30 degrees C (662±86°F).

Recommended Lead Free Solder (Service Parts Route.)

- The following 3 types of lead free solder are available through the service parts route.
  RFKZ03D01K----------(0.3mm 100g Reel)
  RFKZ06D01K----------(0.6mm 100g Reel)
  RFKZ10D01K----------(1.0mm 100g Reel)

Note

* Ingredient: tin (Sn), 96.5%, silver (Ag) 3.0%, Copper (Cu) 0.5%, Cobalt (Co) / Germanium (Ge) 0.1 to 0.3%

2.4. Handling Precautions for Traverse Unit

The laser diode in the optical pickup unit may break down due to static electricity of clothes or human body. Special care must be taken avoid caution to electrostatic breakdown when servicing and handling the laser diode in the traverse unit.

2.4.1. Cautions to Be Taken in Handling the Optical Pickup Unit

The laser diode in the optical pickup unit may be damaged due to electrostatic discharge generating from clothes or human body. Special care must be taken avoid caution to electrostatic discharge damage when servicing the laser diode.

1. Do not give a considerable shock to the optical pickup unit as it has an extremely high-precise structure.
2. To prevent the laser diode from the electrostatic discharge damage, the flexible cable of the optical pickup unit removed should be short-circuited with a short pin or a clip.
3. The flexible cable may be cut off if an excessive force is applied to it. Use caution when handling the flexible cable.
4. The antistatic FPC is connected to the new optical pickup unit. After replacing the optical pickup unit and connecting the flexible cable, cut off the antistatic FPC.

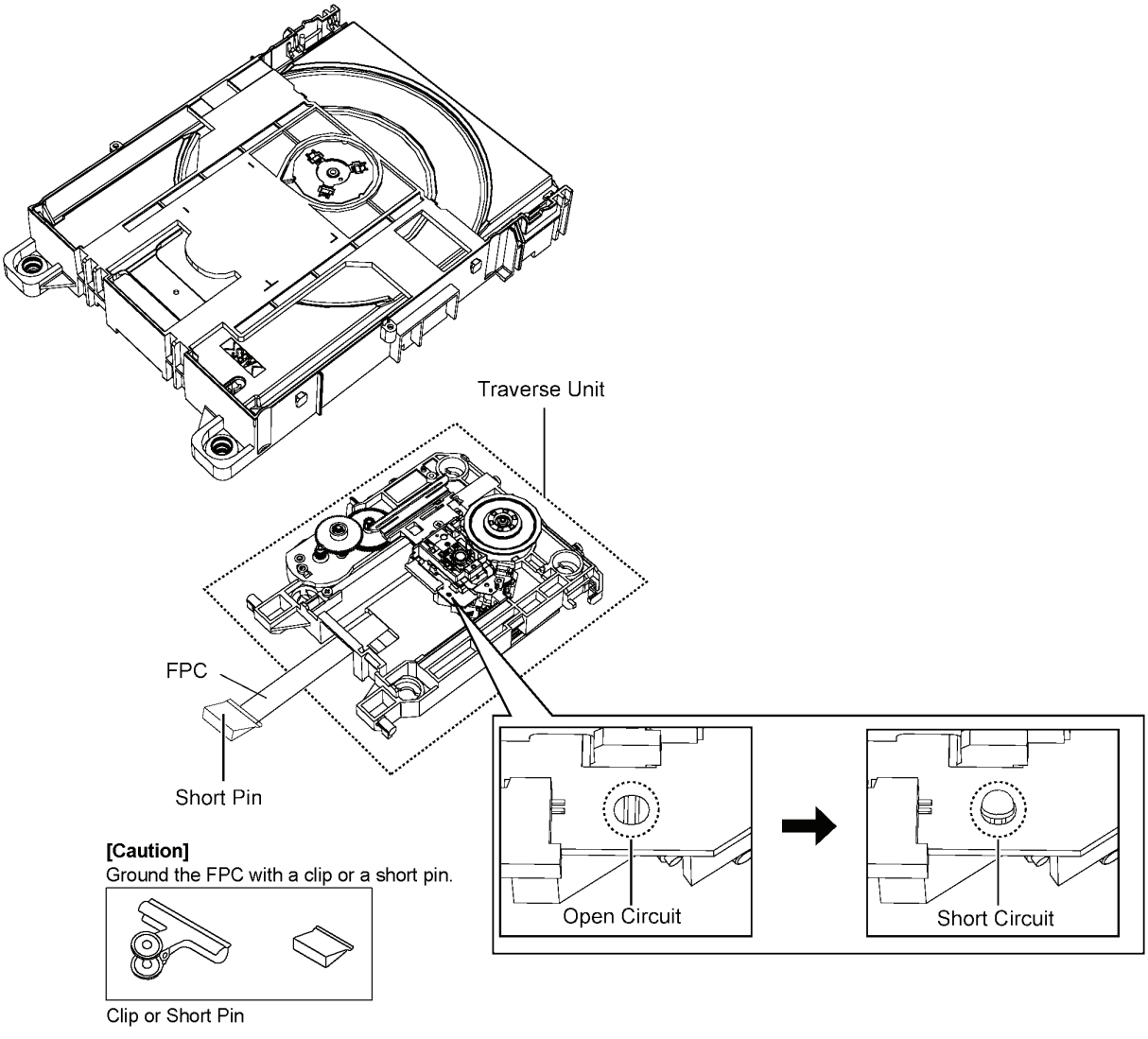


Figure A

2.4.2. Grounding for electrostatic breakdown prevention

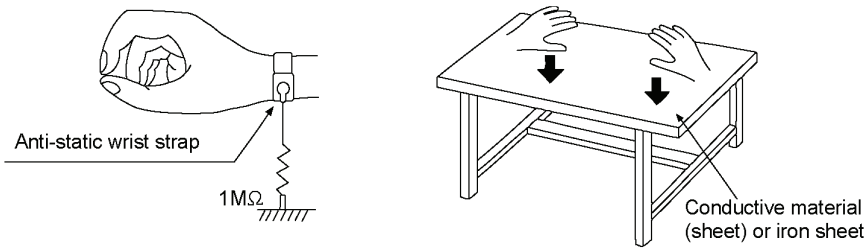
Some devices such as the DVD player use the optical pickup (laser diode) and the optical pickup will be damaged by static electricity in the working environment. Proceed servicing works under the working environment where grounding works is completed.

2.4.2.1. Worktable grounding

1. Put a conductive material (sheet) or iron sheet on the area where the optical pickup is placed, and ground the sheet.

2.4.2.2. Human body grounding

1. Use the anti-static wrist strap to discharge the static electricity form your body.



3 Service Navigation

3.1. Service Information

This service manual contains technical information which will allow service personnel's to understand and service this model. Please place orders using the parts list and not the drawing reference numbers.

If the circuit is changed or modified, this information will be followed by supplement service manual to be filed with original service manual.

- **CD Mechanism Unit (BRS1C):**

1) This model uses CD Mechanism Unit (BRS1C).

- **Micro-processor:**

1) The following components are supplied as an assembled part.
   - Micro-processor IC, IC2003 (RFKWMAKX32M0)

- **Speaker System:**

1) This model uses Speaker System, SB-AKX32LM-K.

4 Specifications

ESPECIFICACIONES

Sección del amplificador

Modo estéreo de potencia de salida RMS
Canal frontal (ambos canales controlados)
190 W por canal (4 Ω), 1 kHz, 10% THD
Potencia total del modo estéreo RMS 380 W
Potencia de salida PMPO 4200 W

Sección del sintonizador de FM/AM, terminales

Emisoras preconfiguradas 30 emisoras de FM
15 emisoras de AM
Modulación de frecuencia (FM)
Gama de frecuencias
87,9 MHz a 107,9 MHz (en pasos de 200 kHz)
87,5 MHz a 108,0 MHz (en pasos de 100 kHz)
Terminales de la antena 75 Ω (desbalanceado)
Modulación de amplitud (AM)
Gama de frecuencias
520 kHz a 1710 kHz (en pasos de 10 kHz)
Toma de audífonos
Terminal Estéreo, toma de 3,5 mm
Nivel de salida (CD, 1 kHz, –20 dB)
0.5 mW + 0.5 mW, 32 Ω (máx.)
Puerto de música (frontal)
Sensibilidad 100 mV, 4,7 kΩ
Terminal Estéreo, toma de 3,5 mm
Entrada AUX Clavija jack RCA

Sección de discos compactos

Discos reproducidos (8 cm o 12 cm)
(1) CD-Audio (CD-DA)
(2) CD-R/RW (CD-DA, disco formateado con MP3*)
(3) MP3*
* MPEG-1 Layer 3
Lector
Longitud de onda 790 nm (CD)
Salida de audio (Disco)
Número de canales 2 canales (FL, FR)
FL = Canal frontal izquierdo
FR = Canal frontal derecho

Sección de USB

Puerto USB
Estándar USB USB 2,0 velocidad total
Compatibilidad con formato de archivos de medios
MP3 (*.mp3)
Sistema de archivo de dispositivo USB
FAT 12, FAT 16, FAT 32
Energía puerto USB 500 mA (máx.)
Velocidad de bits 16 kbps a 320 kbps (reproducción)
Cómo grabar en el USB
Velocidad de bits 128 kbps, 192 kbps, 320 kbps
Velocidad de grabación USB 1x, 4x (CD solamente)
Formato de archivo de grabación MP3 (.mp3)

Sección de memoria interna

Memoria
Tamaño de la memoria 2 GB
Compatibilidad con formato de archivos de medios
MP3 (*.mp3)
Cómo grabar en la memoria
Velocidad de bits 128 kbps, 192 kbps, 320 kbps
Velocidad de grabación en la memoria
1x, 4x (CD solamente)
Formato de archivo de grabación MP3 (*.mp3)
Capacidad de total de canciones grabadas
510 canciones
(Usa 128 kbps, aproximadamente 1 canción - 4 minutos)

Sección de bocinas

Tipo
Sistema de 2 bocinas de 2 vías(reflejo de sonidos graves)
Bafle (s)
Bocina para graves Tipo cónico de 20 cm
Bocina para agudos Tipo cónico de 6 cm
Impedancia 4 Ω
Presión acústica de salida 86 dB/W (1 m)
Gama de frecuencias
50 Hz a 21 kHz (–16 dB)
75 Hz a 20 kHz (–10 dB)
Dimensiones (An x Al x Prf)
250 mm x 414 mm x 235 mm
Peso 4,0 kg

Generalidades

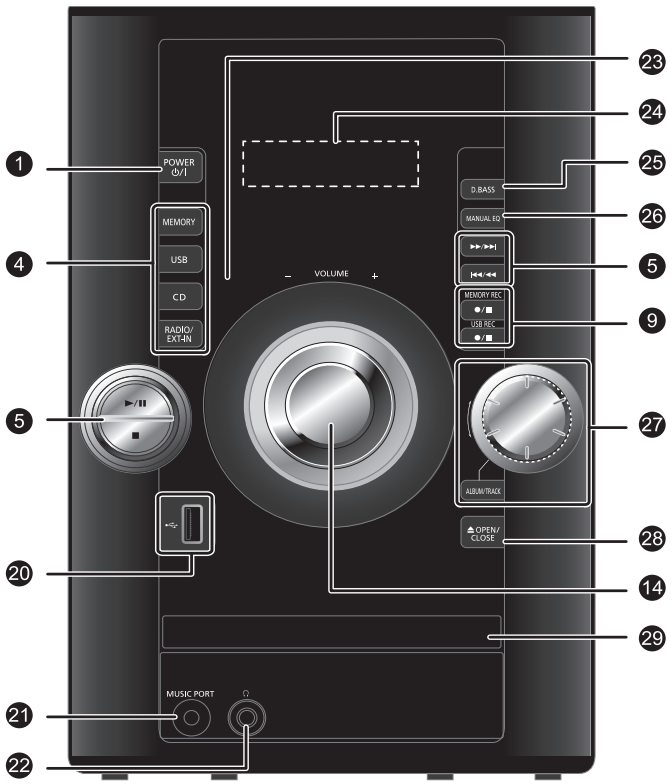
Fuente de alimentación ~127 V, 60 Hz
Consumo de energía 79 W
Dimensiones (An x Al x Prf)
220 mm x 334 mm x 245 mm
Masa 3,2 kg
Gama de temperaturas de funcionamiento
0°C a +40°C
Gama de humedades de funcionamiento
35% a 80% humedad relativa (sin condensación)

Consumo en el modo de espera:
0,2 W (aproximado)

Nota:
1) Las especificaciones están sujetas a cambios sin previo aviso.
El peso y las dimensiones son aproximados.
2) La distorsión armónica total se mide con el analizador de espectro digital.

5 Location of Controls and Components

5.1. Main Unit Key Button Operation



Refer to the numbers in parentheses for chapter references.

1. **Standby/on switch [⏻], [⏻ /I, POWER]**
   Press to switch the unit from on to standby mode or vice versa. In standby mode, the unit is still consuming a small amount of power.

4. **Select source:**
   [MEMORY, USB]: Select internal memory or USB

   [MEMORY]: Select internal memory
   [USB]: Select USB
   [CD]: Select disc
   [RADIO, EXT-IN] : Select radio, USB, music port or AUX

5. **Basic operation**
   [►/❚❚] : Playback or pause operation
   [■]: Stop playback or recording
   [I◄◄], **[►►I]**: Skip track
   Select preset radio station
   [◄◄], **[►►]**: Search track
   Tune in to the radio station
   [I◄◄/◄◄], **[►► /►►I]**: Skip and search track
   Select preset radio station

9. **Recording operation for USB and internal memory**
   [CD HI-SPEED REC]: CD high speed recording
   [● /❚❚, USB REC]: USB recording
   [● /❚❚, MEMORY REC]: Internal memory recording
   [REC MODE]: Set the record mode

14. Set the sleep timer
    Automatically switch off the system
    When you are in disc or USB source, the auto off function switches off the system if you do not use the system for 30 minutes.
    Press and hold the button to use this function.
    To cancel, press and hold the button again.

20. USB port (•<)

21. Music port

22. **Headphones jack (🎧)**
    Plug type: Ø 3.5 mm stereo (not included)
    - Avoid listening for prolonged periods of time to prevent hearing damage.
    - Excessive sound pressure from earphones and headphones can cause hearing loss.
    - Listening at full volume for long periods may damage the user's ears. Be sure to use the supplied or recommended headphones or earphones.

23. Remote control sensor

24. Display panel

25. Set D.Bass function

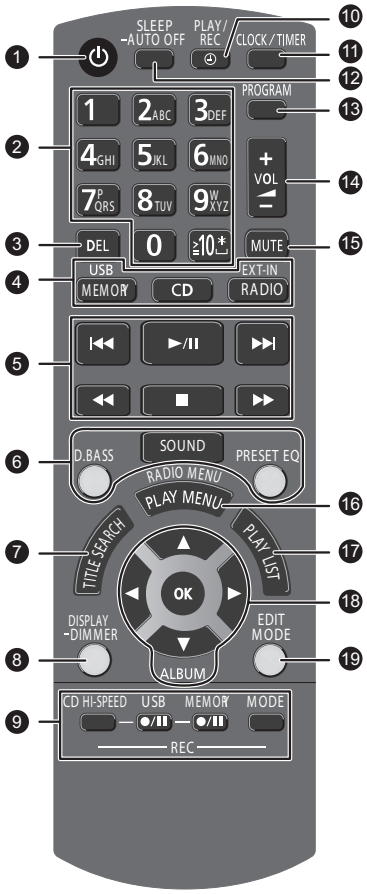
26. Set the Manual EQ effect

27. **Browse tracks or albums**
    CD
    Turn the knob to browse track.
    Press [4 /9] to start playback from the selection.
    MP3
    Press [ALBUM/TRACK] to select albums or tracks and turn the knob to browse.
    Press [4 /9] to start playback from the selection.

28. Open or close the disc tray

29. Disc tray

5.2. Remote Control Key Button Operation



Refer to the numbers in parentheses for chapter references.

1. **Standby/on switch [⏻], [⏻/I, POWER]**
   Press to switch the unit from on to standby mode or vice versa. In standby mode, the unit is still consuming a small amount of power
2. **Alphanumeric buttons**
   To set a 2-digit number
   Example: 16: [≧10] → [1] → [6]
   To set a character
   Example: B: [2] → [2]
3. Delete a programmed track
   Delete a selected track in a playlist
4. **Select source:**
   [MEMORY, USB]: Select internal memory or USB
   [MEMORY]: Select internal memory
   [USB]: Select USB
   [CD]: Select disc
   [RADIO, EXT-IN] : Select radio, USB, music port or AUX
5. **Basic operation**
   [▶/II] : Playback or pause operation
   [■]: Stop playback or recording
   [I◀◀], **[▶▶I]**: Skip track
   Select preset radio station
   [◀◀], **[▶▶]**: Search track
   Tune in to the radio station
   [I◀◀/ ◀◀], **[▶▶ /▶▶I]**: Skip and search track
   Select preset radio station
6. Select the sound effects
7. Start the title search
8. View the information shown on the display panel.
   Decrease the brightness of the display panel
   Press and hold the button to use this function.
   To cancel, press and hold the button again.
9. **Recording operation for USB and internal memory**
   [CD HI-SPEED REC]: CD high speed recording
   [●/II, USB REC]: USB recording
   [●/II, MEMORY REC]: Internal memory recording
   [REC MODE]: Set the record mode
10. Set the play timer and record timer
11. Set the clock and timer
12. Set the sleep timer
    Automatically switch off the system
    When you are in disc or USB source, the auto of function switches off the system if you do not use the system for 30 minutes.
    Press and hold the button to use this function.
    cancel, press and hold the button again.
13. Set the program function
14. Adjust the volume of the system
15. **Mute the sound of the system**
    Press the button again to cancel.
    “MUTE” is also canceled when you adjust the volume or when you switch off the system.
16. Set the play menu item
    Set the radio menu item
17. Make playlists
18. **[▲, ▼]**: Skip album
    Adjust clock setting
    [◀, ▶]: Select the item in the menu
    [OK]: Confirm the setting
19. Set the edit mode for USB or internal memory

5.3. Media Information

Note on using a DualDisc

A DualDisc does not playback if the side of the digital audio content does not meet the technical specifications of the Compact Disc Digital Audio (CD-DA) format.

Note on CDs

- This system can access up to 99 tracks.
- This system can play MP3 files and CD-DA format audio CD-R/RW that have been finalized.
- This system can fail to play some CD-R/RW because of the condition of the recording.

Note on MP3s

- Files are treated as tracks and folders are treated as albums.
- This system can access up to 999 tracks, 255 albums and 20 sessions.
- Disc must conform to ISO9660 level 1 or 2 (except for extended formats).
- To play in a certain order, prefix the folder and file names with 3-digit numbers in the order you want them to play.

Limitations on MP3 playback

- If you have recorded MP3s on the same disc as CD-DA, only the format recorded in the first session can be played.
- Some MP3s cannot be played because of the condition of the disc or recording.
- Recordings will not necessarily be played in the order you recorded them.

6 Self-Diagnostic and Special Mode Setting

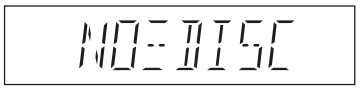
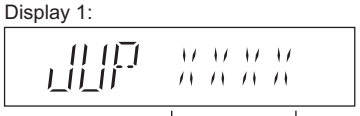
6.1. Cold-Start

Here is the procedure to carry out cold-start or initialize to shipping mode.

1. Unplug AC power cord
2. Press & hold [POWER] button
3. Plug AC power cord while [POWER] button being pressed
   FL Display will show “_ _ _ _ _ _ _ _”
4. Release [POWER] button

6.2. Doctor Mode Table

6.2.1. Doctor Mode Table 1

Item		FL Display	Key Operation
Mode Name	Description		Front Key
Doctor Mode	To enter into Doctor Mode		1.In CD Mode: Press [■] button on main unit follow by [4] and [7] on remote control. 2.To exit, press [OK] button on remote control or press [POWER, ⏻ /I] button on main unit or remote control.
Micro-P Version Display	To check the firmware version for Jupiter & Microprocessor IC. Display 1 will display for 2 secs, followed by display 2.	Display 1:  Jupiter Micro-P Version Display 2:  Micro-processor Version	In Doctor Mode: 1.Press [2] button on remote control.

6.2.2. Doctor Mode Table 2

Item		FL Display	Key Operation
Mode Name	Description		Front Key
Cold Start	To active cold start upon next AC power up when reset start is execute the next time.	-- -- -- -- -- -- -- --	In Doctor Mode: 1. Press [DISPLAY/-DIMMER] button on remote control.
Volume Setting Check	To check the volume setting of a main unit.	VOL 50 Volume Press [7]: VOL50 Press [8]: VOL35 Press [9]: VOL0 Press [PLAY/RADIO MODE]: VOL30	In Doctor Mode: 1. Press [7],[8],[9], [PLAY MENU/RADIO MENU] button on remote control.
FL Display Check	To check the FL segment display All segment will light up while all LED blink at 0.5s,intervals.(if any)		In Doctor mode: 1. Press [1] button on remote control.
CD Open Check	To excute CD Open operation.	CD OPEN	In Doctor mode: 1. Press [DEL] button on remote control.
BRS1C Reliability Test (Traverse)	To determine CD Mechanism BRS1C Access Inner & Outer disc operation. In this mode,ensure the CD is in the main unit. Note: Refer to Section 6.3 Fig 2. for process flow.	000-000 The counter will increment by one. When reach 9999 will change to 0000 Cancellation Display CANCEL	In Doctor Mode: 1. Press [10]→[1]→[2] button on remote control. 2. To cancel, press [0] on remote control.
BRS1C Reliability Test (Combination)	To determine CD Mechanism Unit (BRS1C) Open/Close & Access Inner & Outer Disc Operation. In this mode,ensure the CD is in the main unit. Note: Refer to Section 6.3 Fig 3. for process flow.	000-000 The counter will increment by one. When reach 9999 will change to 0000 Cancellation Display CANCEL	In Doctor Mode: 1. Press [10]→[1]→[5] button on remote control. 2. To cancel, press [0] on remote control.
BRS1C Reliability Test (Loading)	To determine CD Mechanism Unit (BRS1C) Open/Close operation. In this mode, the tray will open & close. Note: Refer to Section 6.3 Fig 1 for process flow.	000-000 The counter will increment by one. When reach 9999 will change to 0000 Cancellation Display CANCEL	In Doctor Mode: 1. Press [10]→[2]→[1] button on remote control. 2. To cancel, press [0] on remote control.

6.3. Reliability Test Mode (CD Mechanism Unit (BRS1C))

Below is the process flow chart of the aging test for the CD Mechanism Unit (BRS1C).

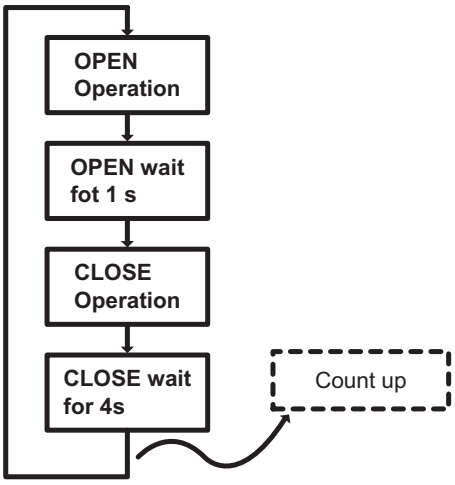


Fig. 1. Reliability Test (Loading)

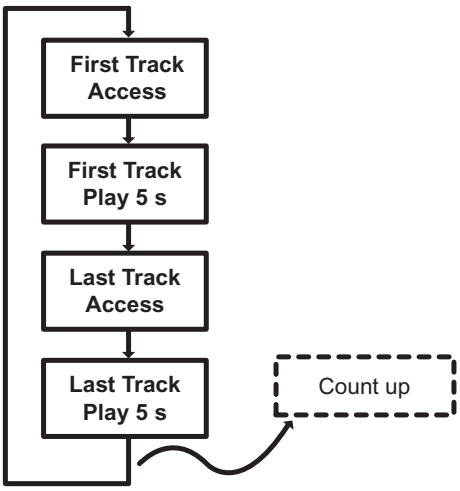


Fig. 2. Reliability Test (Traverse)

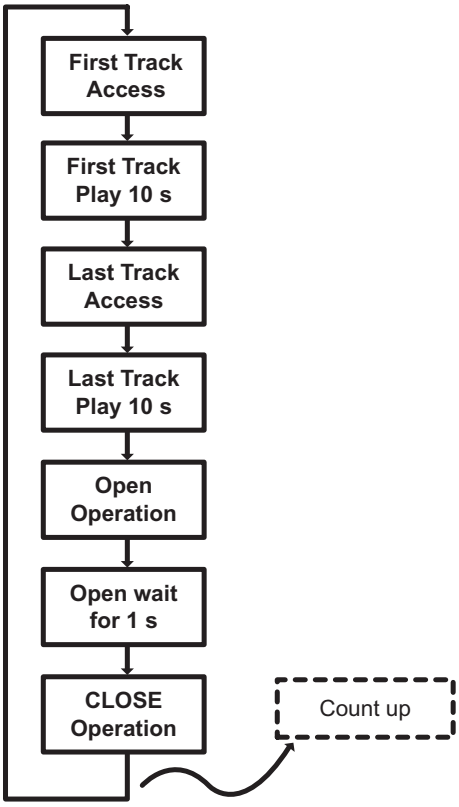
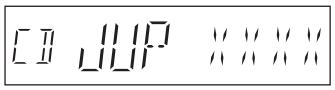
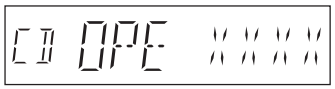
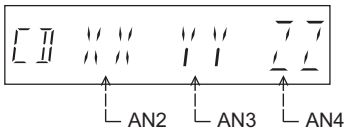
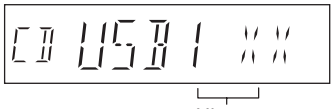


Fig. 3. Reliability Test (Combination)

6.4. Self-Diagnostic Mode

Mode Name	Item Description	FL Display	Key Operation Front Key
Service Mode	To enter into Service Mode		In CD Mode: 1.Press and hold [■] button on main unit for 2 secs. 2.Do not release [■] button, press and hold [▶▶/▶▶I] on the remote control for 2 secs. 3.To exit, press [POWER,⏻/I] button on main unit.
Error Code History	Checking the records for Error Code. If there's no error code.Display will remain as [T]		In Service Mode: 1.Press button [1] on remote control. 2.To clear history,press & hold [0] for 5 seconds or more
Software Display Version.	To check for following: 1)System Version.		In Service Mode: 1.Press button [2] on remote control.
	2)Jupiter Micro-processor Version.		2.Press button [2] on remote control.
	3) Opecon Version.		3.Press button [2] button on remote control.
Display of AD value of main body key	To check the AD input value	 XX: AN2 input value (2 hexadecimal value digits) --> KEY1 YY: AN3 input value (2 hexadecimal value digits) --> KEY2 ZZ: AN4 input value (2 hexadecimal value digits) --> KEY3	In Service Mode: 1.Press button [4] on remote control for 2 secs.
USB Error Code History	To check for USB error Codes.		In Service Mode: 1.Press button [5] on remote control. 2.To clear history,press & hold [0] for 5 seconds or more.

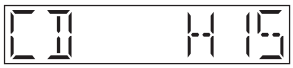
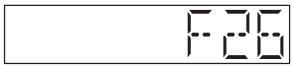
6.5. Self-Diagnostic Error Code Table

Self-Diagnostic Function (Refer Section 6.4. Self-Diagnostic Mode) provides information on any problems occurring for the unit and its respective components by displaying the error codes. These error code such as U**, H** and F** are stored in memory and held unless it is cleared.
The error code is automatically display after entering into self-diagnostic mode.

6.5.1. Power Supply Error Code Table

Error Code	Diagnosis Contents	Description of error	Automatic FL Display	Remarks
F61	Power Amp IC output abnormal	Upon power on, PCONT=HIGH, DC_DET_AMP after checking LSI.		Press [■] on main unit for next error.
F76		DC_DET_PWR		
F61-76		Both DCDET (NG)		
F26		Communication between CD servo LSI and micro-P abnormal (iPod, Radio, USB)		

6.5.2. CD Mechanism Error Code Table (CD Mechanism Unit (BRS1C))

Error Code	Diagnostic Contents	Descriptionof error	Automatic FL Display	Remarks
CD H15	CD Open Abnormal	During operation POS_SW_R On fail to be detected with 4 sec. Error No. shall be clear by force or during cold start.		Press [■] on main unit for next error.
CD H16	CD Closing Abnormal	During operation POS_SW_CEN On fail to be detected with 4 sec. Error No. shall be clear by force or during cold start.		Press [■] on main unit for next error.
F26	Communication between CD servo LSI and micro-p abnormal.	During switch to CD function, if SENSE = “L” within failsafe time of 20ms.		Press [■] on main unit for next error.

6.6. Sales Demonstration Lock Function

6.6.1. Entering into sales Demo Mode

Here is the procedures to enter into Sales Demonstration Lock.
Step 1: Turn on the unit.
Step 2: Select to any mode function, press and hold [⏏OPEN/CLOSE] key and follow by [▶/⏸] key pressed within 0.5 sec.
Step 3: Hold both [⏏OPEN/CLOSE] and [▶/⏸] keys for 5 sec.
Step 4: The display will show upon entering into this mode.

Note: [⏏OPEN/CLOSE] button is invalid and the main unit displays “LOCKED” while the lock function mode is entered.

6.6.2. Cancellation

Step 1: To cancel only can be triggered in CD Mode and Volume 19.
Step 2: Press and hold [⏏OPEN/CLOSE] key and follow by [▶/⏸] key pressed within 0.5 sec.
Step 3: Hold both [⏏OPEN/CLOSE] and [▶/⏸] keys for 5 sec.
Step 4: The display will show after exit from this mode.

7 Troubleshooting Guide

7.1. Troubleshooting Guide for F61 and/ or F76

This section illustrates the checking procedures when upon detecting the error of “F61” and “F76” after power up of the unit.It is for purpose of troubleshooting and checking in SMPS,D-Amp & Main P.C.B..

Symptom		Checking Items		Possible Fault(s)	Remarks
Set cannot ON	1	AC Cord	1	AC Cord Faulty, Loose connection.	Refer to Section 7.2.1 Fig. 1. SMPS P.C.B.
	2	AC Inlet, P5701	2	P5701 solder crack, dry joint.	
	3	Fuse, F1	3	Fuse, F1 Open.	
	4	Photocoupler	4	PC5702/PC5799 solder crack.	
		PC5702, PC5799		Dry joint, short circuit, open circuit.	
	5	Switching Regulator	5	IC5701 Faulty.	
		IC, IC5701			
	6	Switching Regulator	6	IC5799 Faulty.	
		IC, IC5799			
Set can ON then F61	1	Speaker Output	1	Faulty speaker unit, Loose connection, Short.	Refer to Section 7.2.3 Fig. 3. D-Amp P.C.B.
	2	D-AMP circuit	2a	D-AMP IC, IC5902 defective.	
				(DC voltage of +/-30V detected at speaker output)	
Set can ON then F76	1	Transformer T5701	1a	Short circuit between Pin 14 and Pin 15.	Refer to Section 7.2.1 Fig. 1. SMPS P.C.B.
			1b	Short circuit between Pin 15 and Pin 16.	
			1c	Short circuit between Pin 16 and Pin 17.	
	2	DC-DC Circuit	2a	Check cable wire connection between cable wire ZJ2007	Refer to Section 7.2.2 Fig. 2. Main P.C.B.
				(At Main P.C.B) & connector CN5802 (At SMPS P.C.B)	
			2b	Voltage Regulator IC (IC2010) &	
				Switching Regulator IC (IC2011) faulty.	
	3	Photocoupler	3	PC5720 solder crack,	Refer to Section 7.2.1 Fig. 1. SMPS P.C.B.
		PC5720		Dry joint, short circuit, open circuit.	
Set can ON working normally for some time then F76	1	Rectifier Diode D5801	1a	Improper contact between D5801 to Heatsink.	Refer to Section 7.2.1 Fig. 1. SMPS P.C.B.
		Rectifier Diode D5802		Improper contact between D5802 to Heatsink.	
	2	Thermistor TH5860	1b	Set trigger temperature protection.	

7.2. Part Location

7.2.1. SMPS P.C.B.

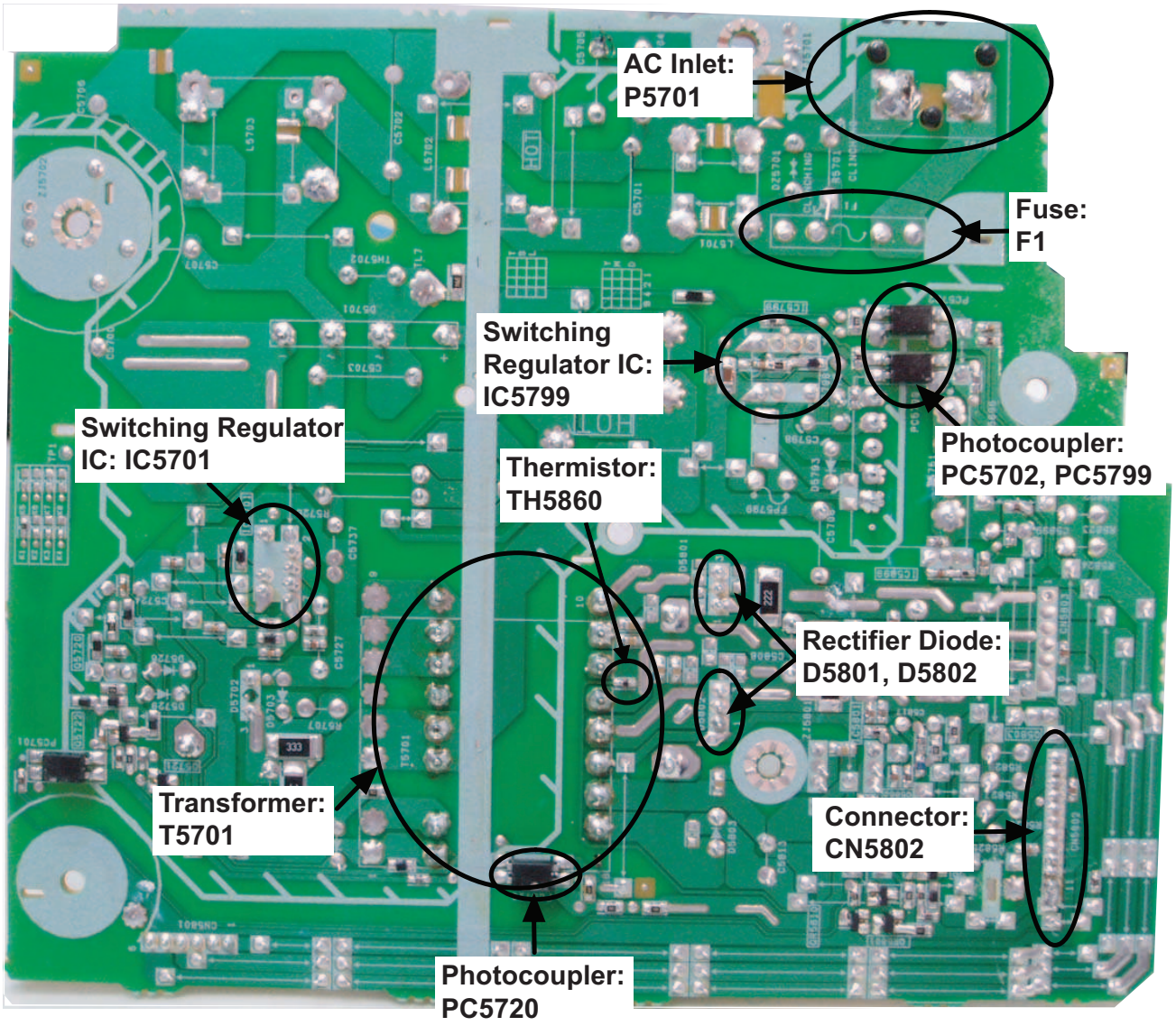


Fig. 1 SMPS P.C.B.

7.2.2. Main P.C.B.

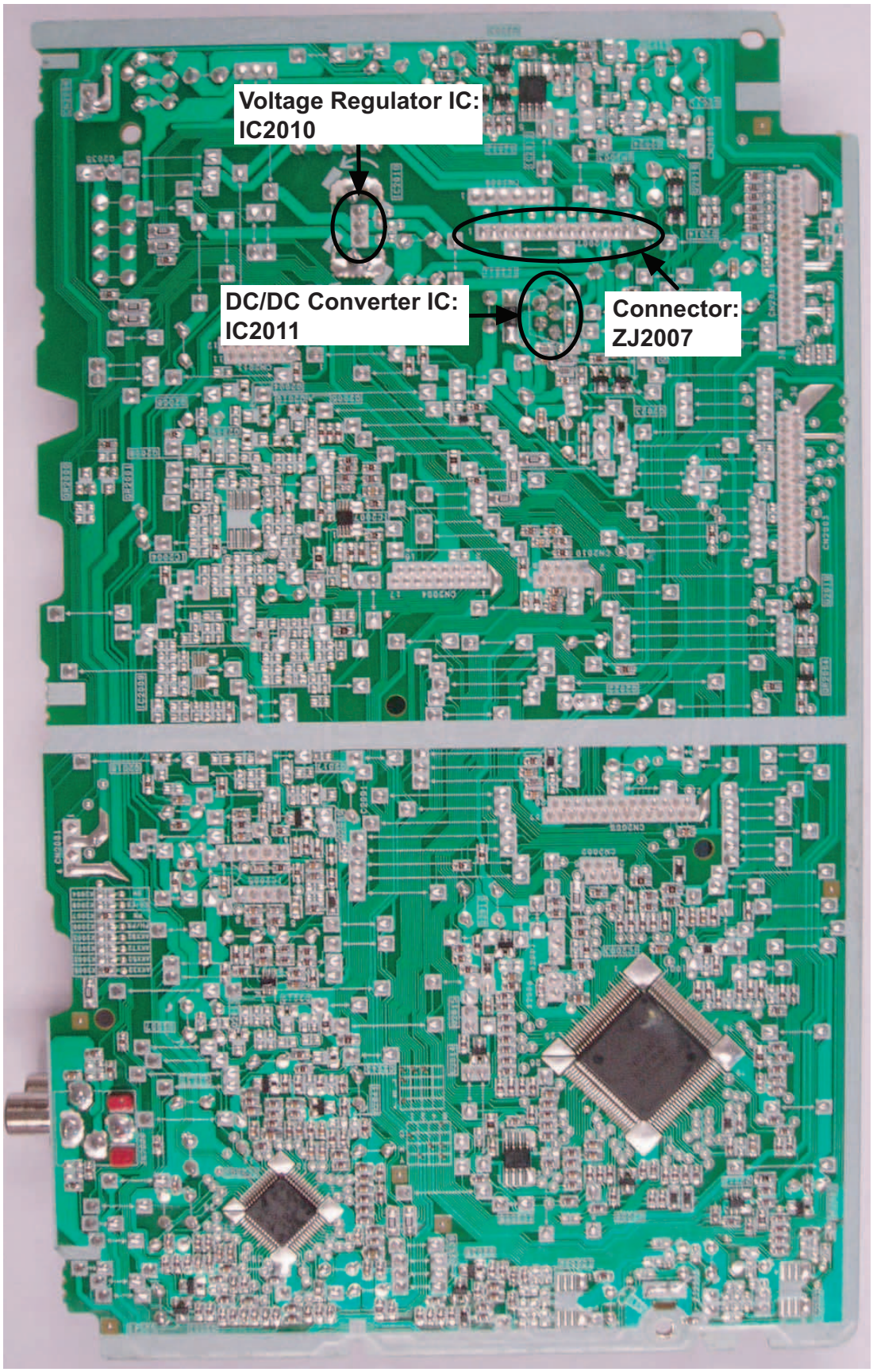


Fig. 2 Main P.C.B.

7.2.3. D-Amp P.C.B.

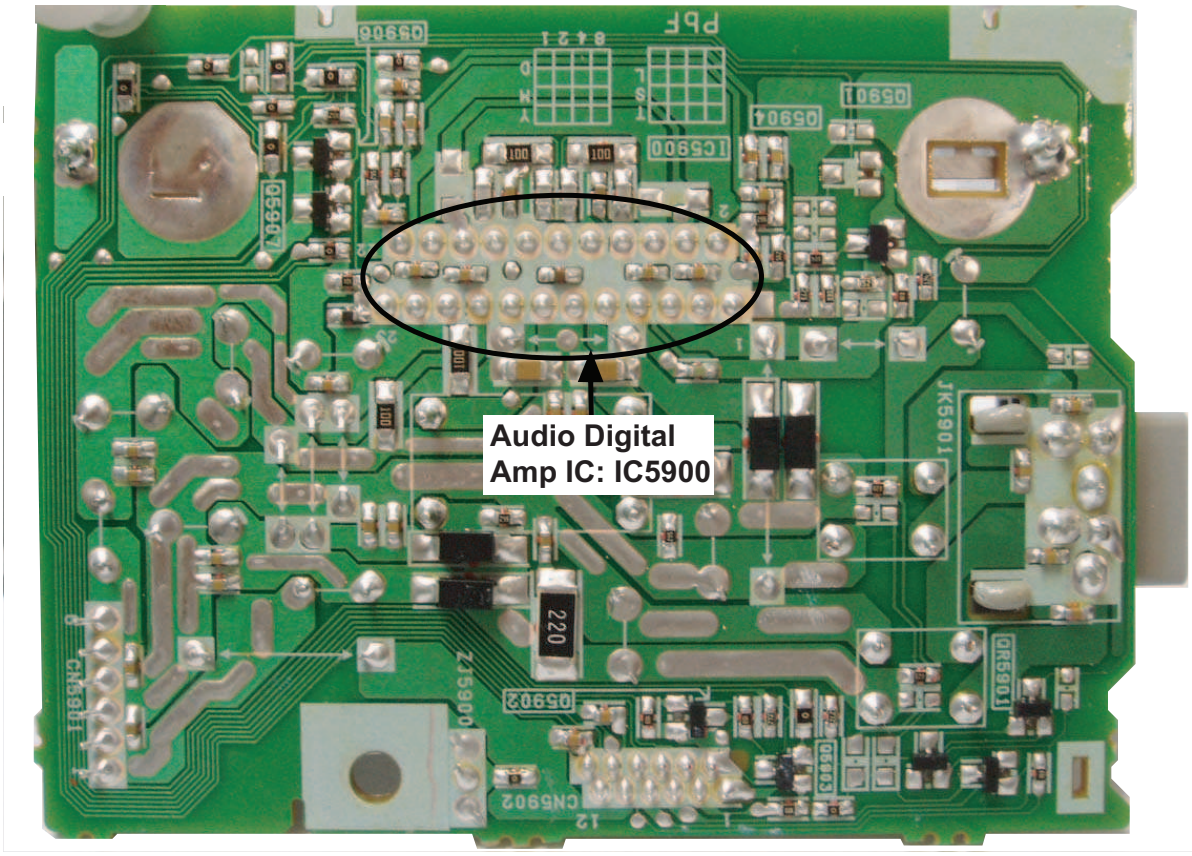


Fig. 3 D-Amp P.C.B.

7.3. D-Amp IC Operation & Control

D-AMP IC Operation & Control

1) D-AMP IC (C1AB00000497) was used for this model.
2) Three control pins (signal send from micro-processor IC) were used to control the D-AMP IC operation such as muting, standby and normal operation. They are described as below: -

No	Pin no	Signal name	Function
1	4	F_HOP	Frequency Hop control.
2	6	MODE_DA	Digital Amp On/Off control.
3	3	MUTE_F	Digital Amp Muting control

Table 1: Digital AMP Pin Control.

Here is detailed description of the three control pins for the D-AMP IC

A) **MODE_DA** & **MUTE_F** were used to switch the D-AMP IC in the following muting status:

- L(Low/OFF): Standby / OFF
- H (High/ON): Operating or Mute

Below is the logic for the two pins used for the control of the D-AMP IC.

No	MODE_DA	MUTE_F	Digital AMP IC mode status
1	L	X	OFF (0V)
2	H	H	Mute (2.5V)
3	H	L	Operating(5V)

Table 2: Digital AMP IC Mode Status.

Note: Standby/OFF condition of D.AMP IC is available / activated only during the following event: Switching of Frequency Hoping, power off and start up (when the unit is undergoing the transition from standby to normal operation mode)

B) **F_HOP** is used to control the D-AMP operation to avoid interference with AM source by controlling the frequency source used. It will switch from one frequency to the other, depending on the tuned AM frequency.

For 9 KHz Step

AM Band Frequency	F_HOP	Switching Frequency
522 ~ 558	L	301
567 ~ 639	H	350
648 ~ 855	L	301
864 ~ 945	H	350
954 ~ 1152	L	301
1161 ~ 1242	H	350
1251 ~ 1449	L	301
1458 ~ 1539	H	350
1548 ~ 1629	L	301

Table 3: F_HOP Control during 9 kHz Step

For 10 KHz Step

AM Band Frequency	F_HOP	Switching Frequency
520 ~ 560	L	301
570 ~640	H	350
650 ~ 860	L	301
870 ~ 950	H	350
960 ~ 1160	L	301

1170 ~ 1250	H	350
1260 ~ 1450	L	301
1460 ~ 1540	H	350
1550 ~ 1710	L	301

Table 4: F_HOP Control during 10 kHz Step

Note: During activating, the 3 control pins namely MUTE_F, MUTE_A and MODE_DA must be used to cover the “Pop” sound cause by F-HOP switching.

8 Service Fixture & Tools

8.1. Service Tools and Equipment

Prepare service tools before process service position.

Service Tools		Remarks
Main P.C.B. (ZJ2007) - SMPS P.C.B. (CN5802)	REXX1206 (15P Cable Wire)	

9 Disassembly and Assembly Instructions

• Illustration is based on SA-AKX32PH-K

Caution Note:

• This section describes the disassembly and/or assembly procedures for all major printed circuit boards & main components for the unit. (You may refer to the section of “Main components and P.C.B Locations” as described in the service manual)

• **Before carrying out the disassembly process, please ensure all the safety precautions & procedures are followed.**

• **During the disassembly and/or assembly process, please handle with care as there may be chassis components with sharp edges.**

• **Avoid touching heatsinks due to its high temperature after prolong use. (See caution as described below)**

CAUTION: HOT!!
PLEASE DO NOT
TOUCH THE HEAT SINK

• **During disassembly and assembly, please ensure proper service tools, equipments or jigs is being used.**

• **During replacement of component parts, please refer to the section of “Replacement Parts List” as described in the service manual.**

• **Select items from the following indexes when disassembly or replacement are required.**

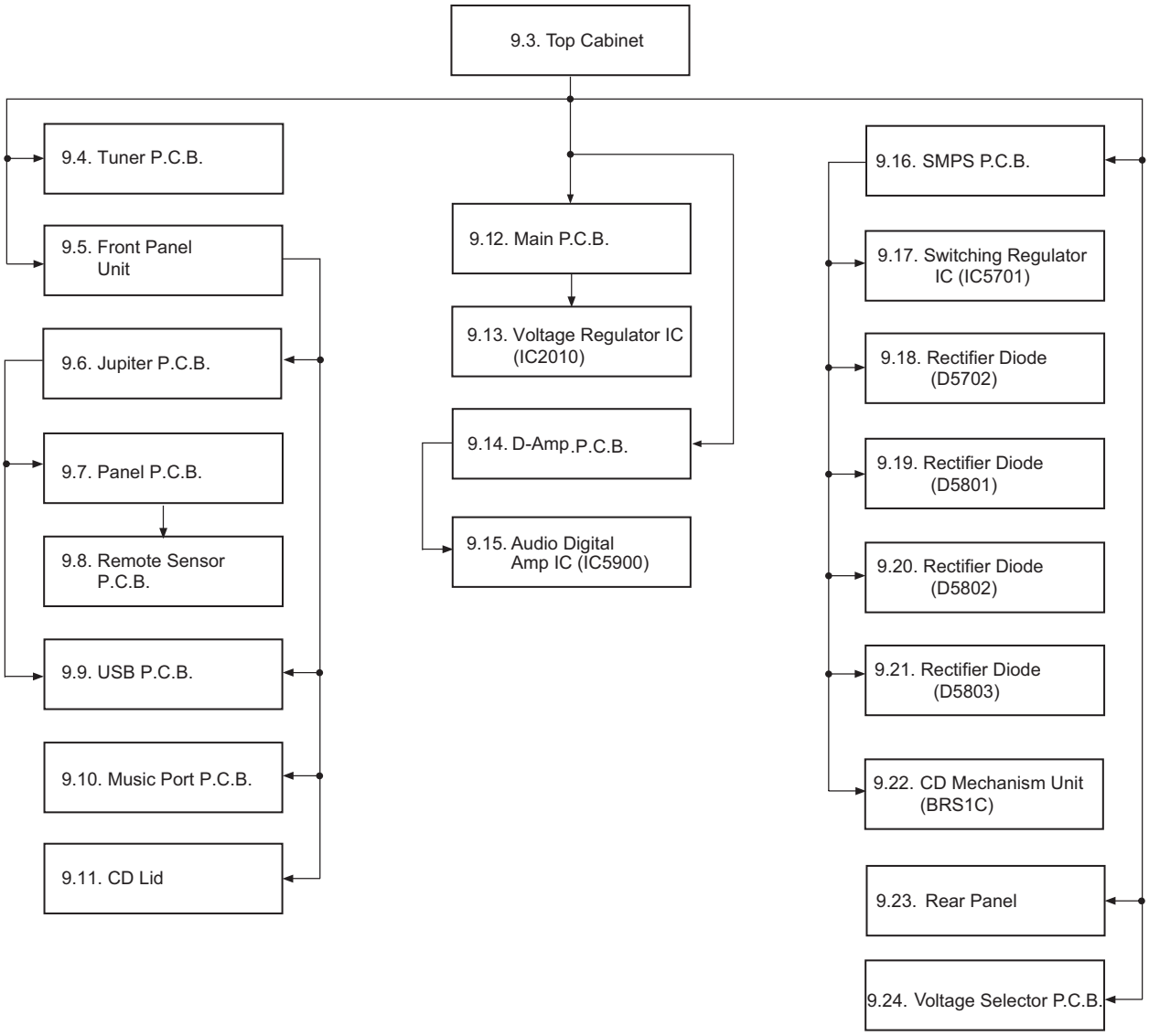
• Disassembly of Top Cabinet
• Disassembly of Tuner P.C.B.
• Disassembly of Front Panel Unit
• Disassembly of Panel P.C.B.
• Disassembly of Remote Sensor P.C.B.
• Disassembly of Jupiter P.C.B.
• Disassembly of USB P.C.B.
• Disassembly of Music Port P.C.B.
• Disassembly of CD Lid
• Disassembly of Main P.C.B.
• Replacement of Voltage Regulator IC (IC2010)
• Disassembly of D-Amp P.C.B.
• Replacement of Audio Digital Amp IC (IC5900)
• Disassembly of SMPS P.C.B.
• Replacement of Switching Regulator IC (IC5701)
• Replacement of Rectifier Diode (D5702)
• Replacement of Rectifier Diode (D5801)
• Replacement of Rectifier Diode (D5802)
• Replacement of Rectifier Diode (D5803)
• Disassembly of CD Mechanism Unit (BRS1C)
• Disassembly of Rear Panel
• Disassembly of Voltage Selector P.C.B.

CAUTION NOTE:
Please use original screw and at correct locations.

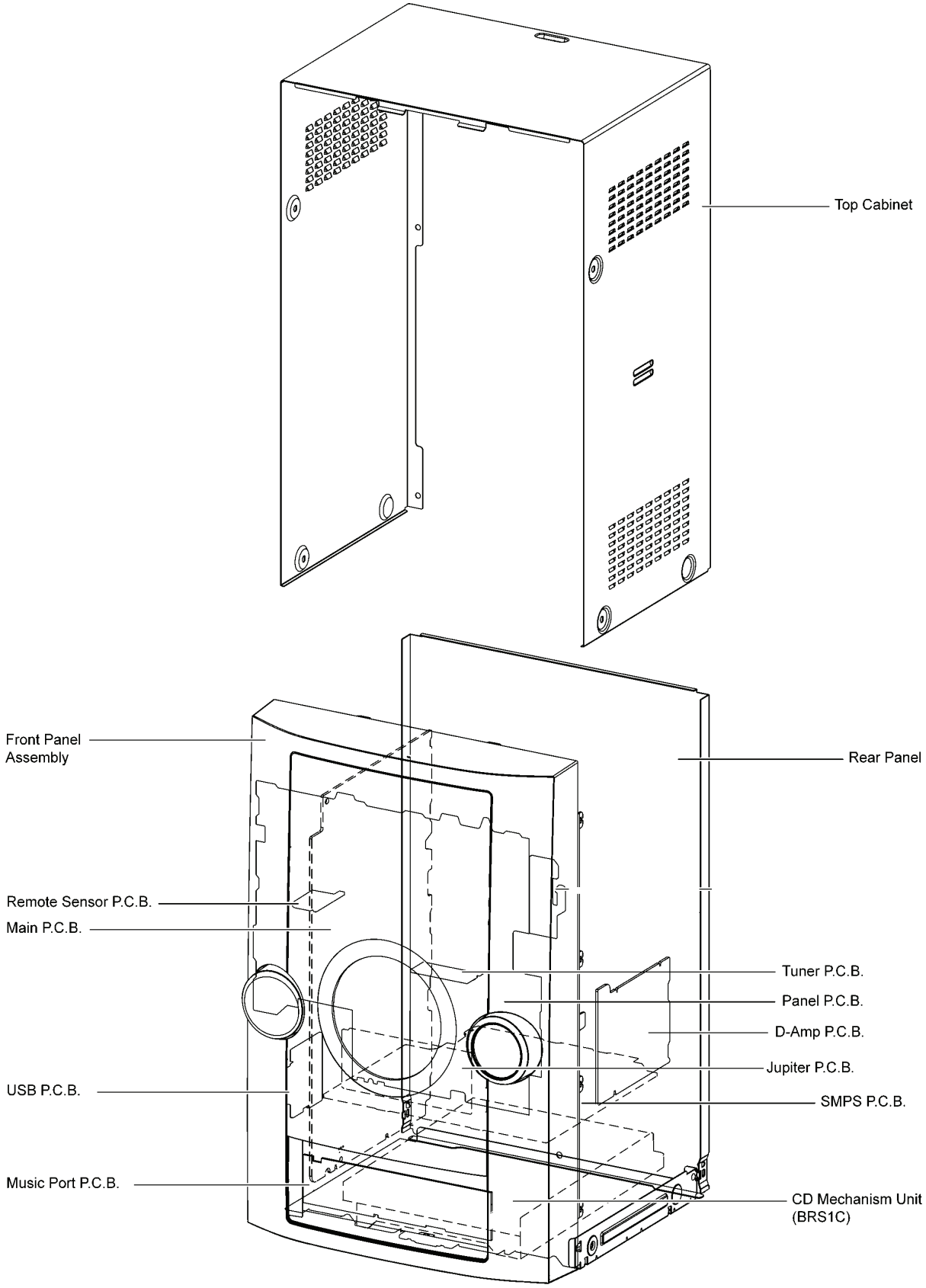
Below shown is part no. of different screw types used:

ⓐ :RHD30007-K2J
ⓑ :RHD30119-S
ⓒ :RHD26046-L
ⓓ :RHD30111-31
ⓔ :XTB3+10JFJ
ⓕ :RHDX031008
ⓖ :XTN2+6GFJ

9.1. Disassembly Flow Chart

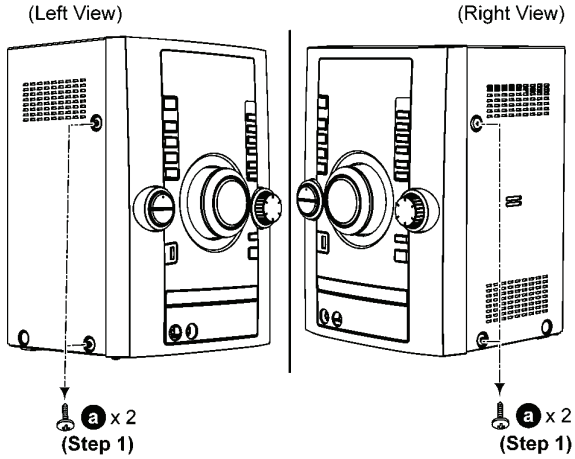


9.2. Main Components and P.C.B. Locations



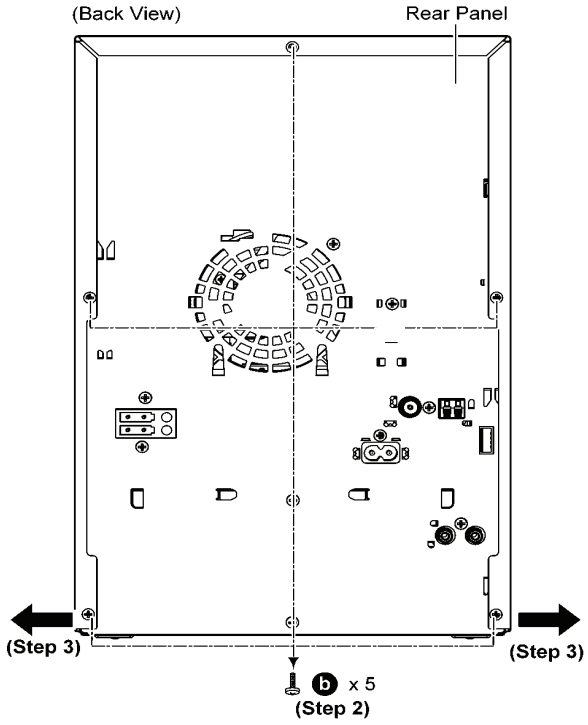
9.3. Disassembly of Top Cabinet

Step 1 Remove 2 screws on each side.



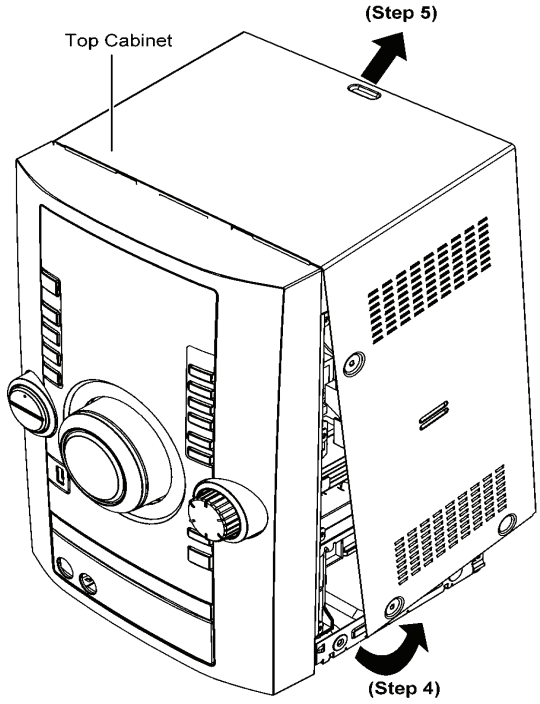
Step 2 Remove 5 screws.

Step 3 Slightly pull both side of Top Cabinet outwards as arrow shown.

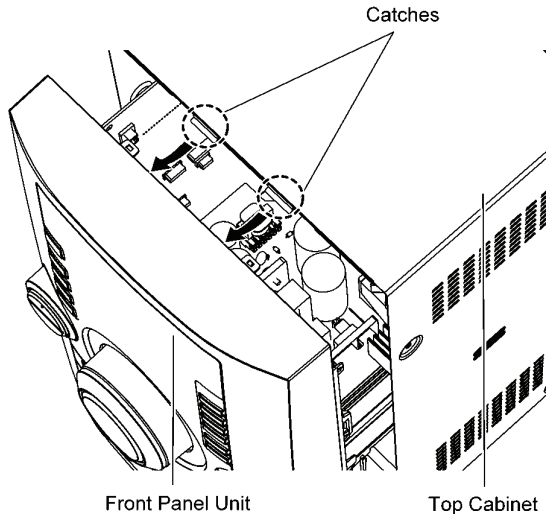


Step 4 Slightly lift up both side of Top Cabinet in an outward direction as shown.

Step 5 Remove Top Cabinet.



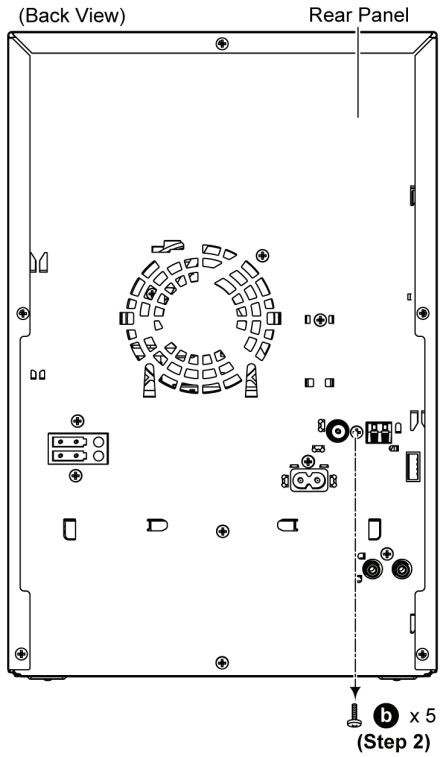
Caution: During assembling, ensure that the Top Cabinet catches are properly located into Front Panel Unit as shown.



9.4. Disassembly of Tuner P.C.B.

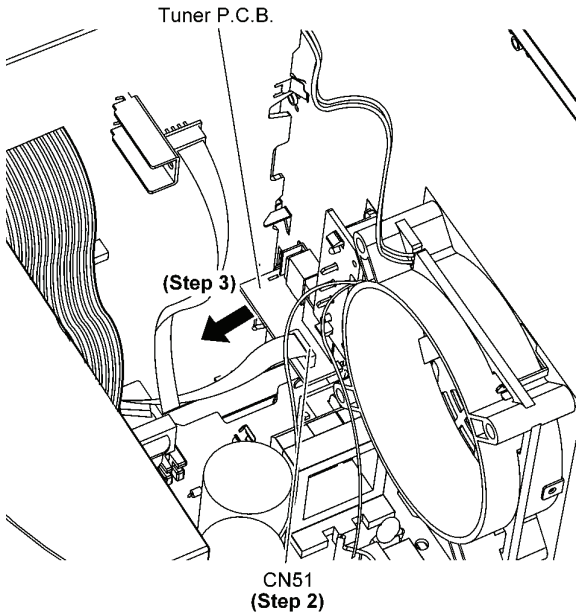
• **Refer to "Disassembly of Top Cabinet".**

Step 1 Remove 1 screw.



Step 2 Detach 9P FFC at the connector (CN51) on Tuner P.C.B..

Step 3 Remove Tuner P.C.B..

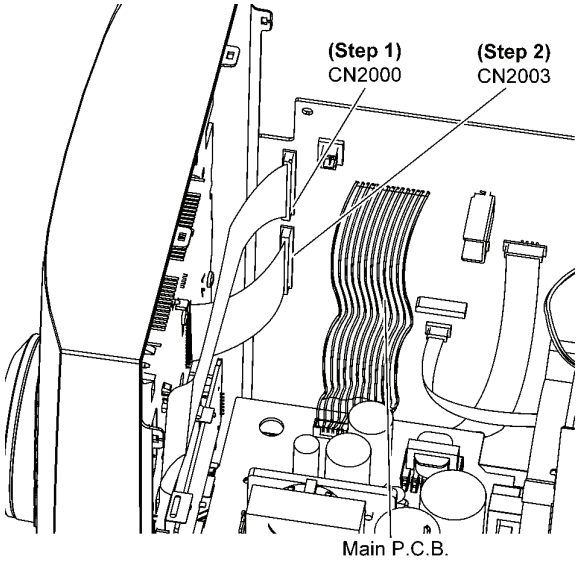


9.5. Disassembly of Front Panel Unit

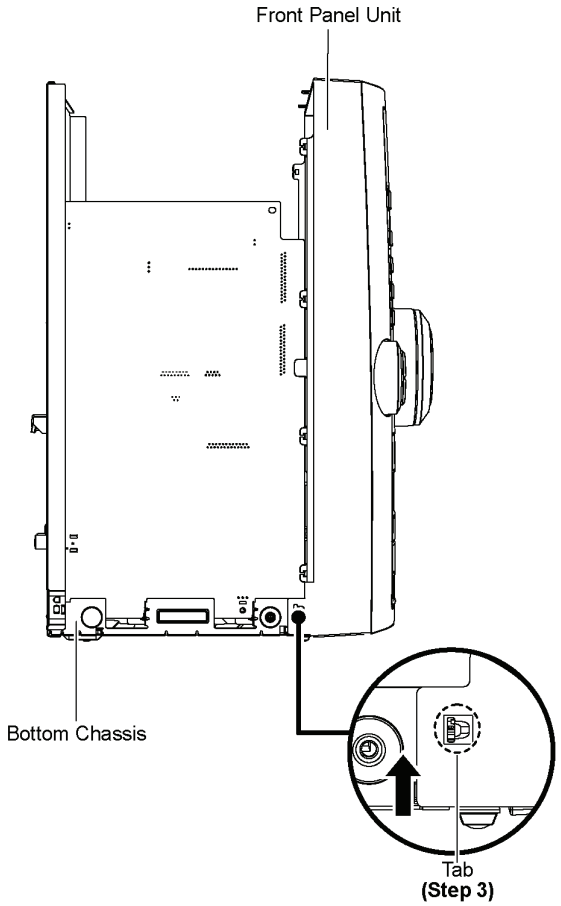
• **Refer to "Disassembly of Top Cabinet".**

Step 1 Detach 30P FFC at the connector (CN2000) on Jupiter P.C.B.

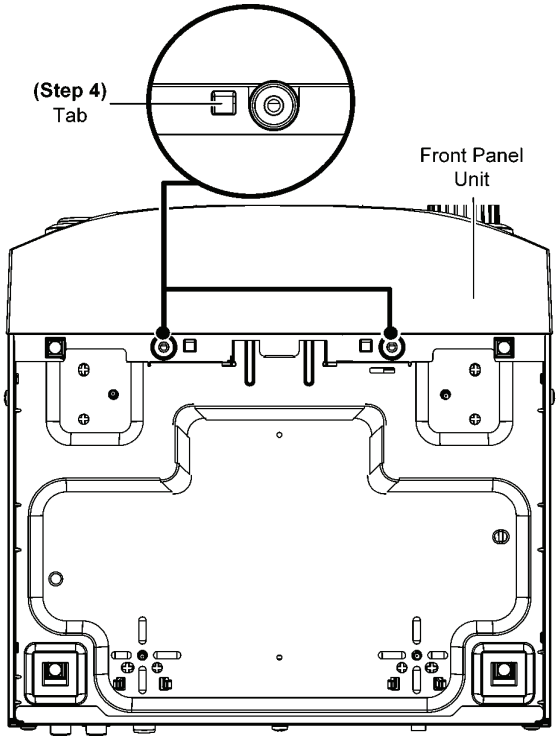
Step 2 Detach 30P FFC at the connector (CN2003) on Main P.C.B.



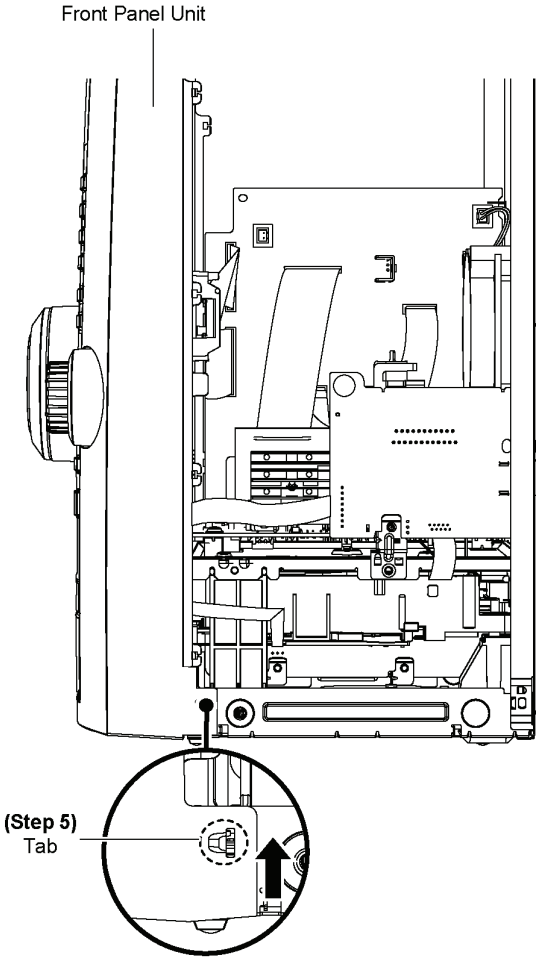
Step 3 Push inwards slightly at the Bottom Chassis and release tab at left side of Front Panel Unit..



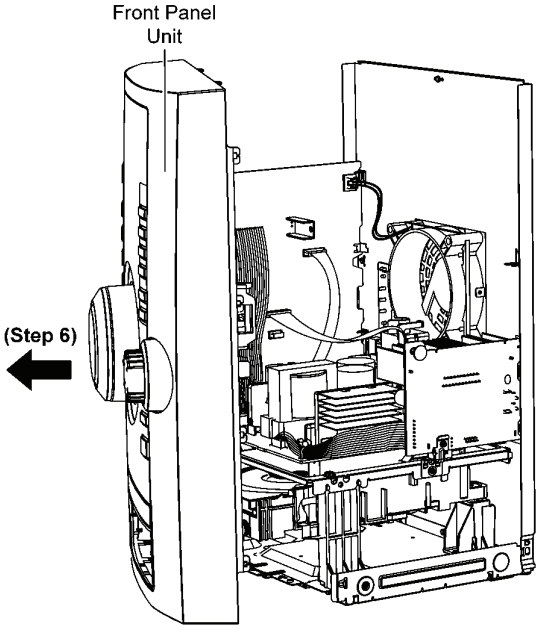
Step 4 Release tab at bottom.



Step 5 Push inwards slightly at the Bottom Chassis and release tab at right side of Front Panel Unit.



Step 6 Remove Front Panel Unit.



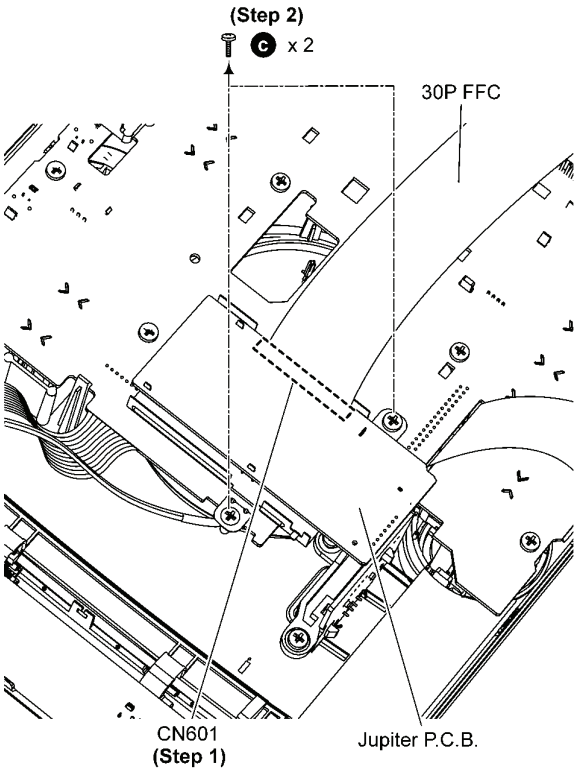
9.6. Disassembly of Jupiter P.C.B.

- **Refer to "Disassembly of Top Cabinet".**
- **Refer to "Disassembly of Front Panel Unit".**

Step 1 Detach 30P FFC at the connector (CN601) on Jupiter P.C.B.

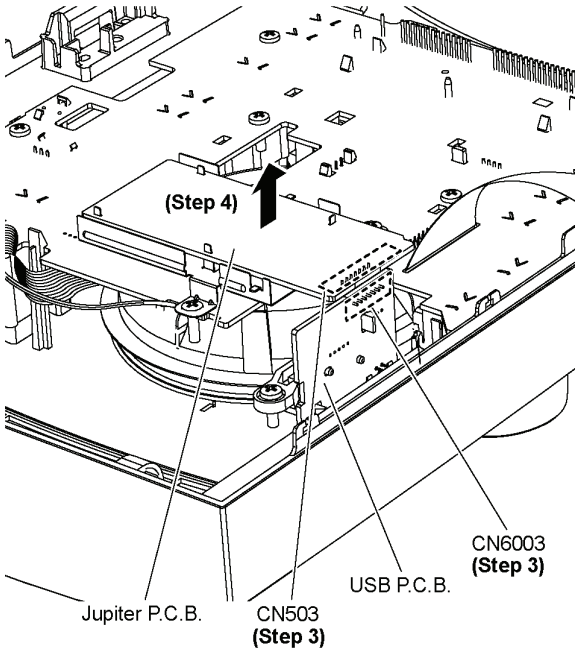
Caution: Keep the 30P FFC in safe place, place it back during assembling.

Step 2 Remove 2 screws.



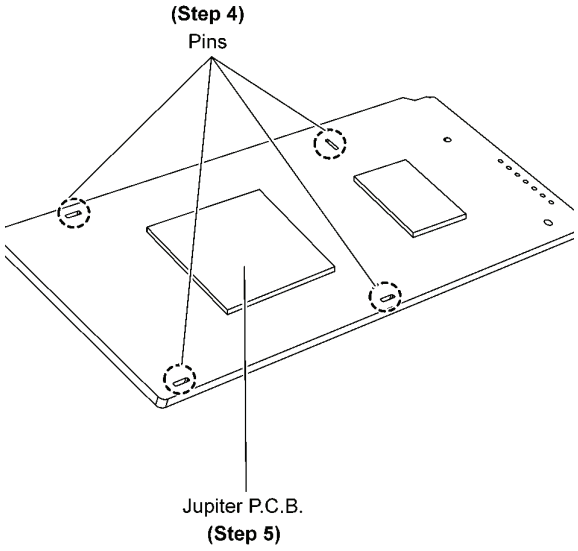
Step 3 Detach 7P connector (CN503) on Jupiter P.C.B. from 7P connector (CN6003) on USB P.C.B..

Step 4 Remove Jupiter Unit.



Step 5 Desolder 4 pins.

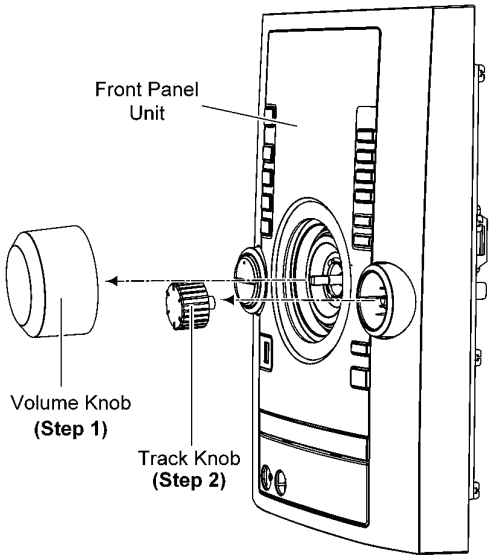
Step 6 Remove the Jupiter P.C.B..



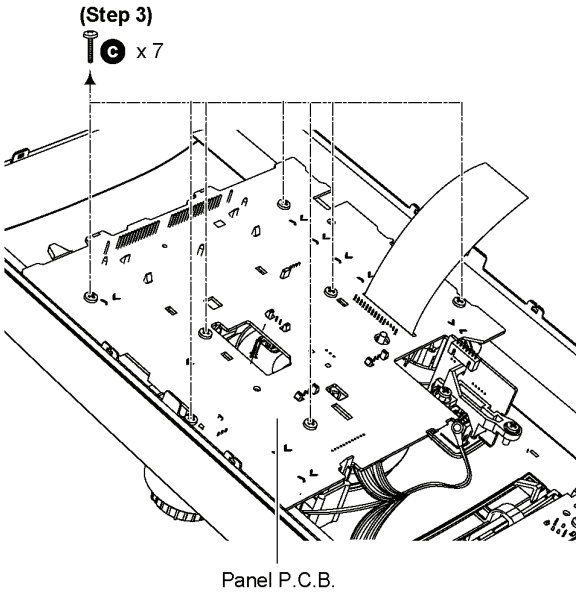
9.7. Disassembly of Panel P.C.B.

- **Refer to “Disassembly of Top Cabinet”.**
- **Refer to “Disassembly of Front Panel Unit”.**
- **Refer to “Disassembly of Jupiter P.C.B.”.**

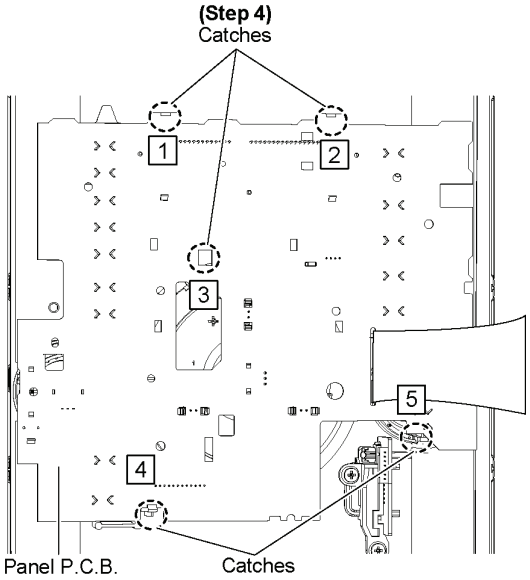
Step 1 Remove the Volume Knob.
Step 2 Remove the Track Knob.



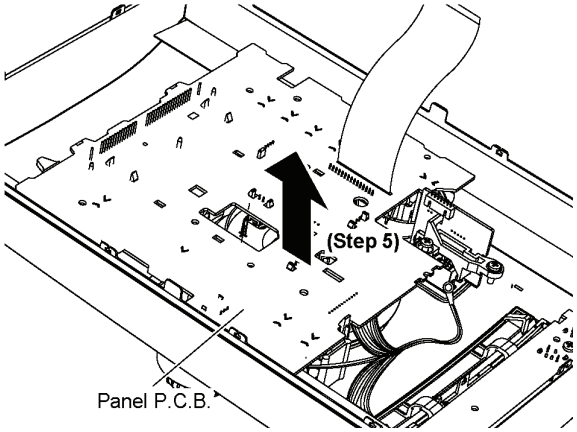
Step 3 Remove 7 screws.



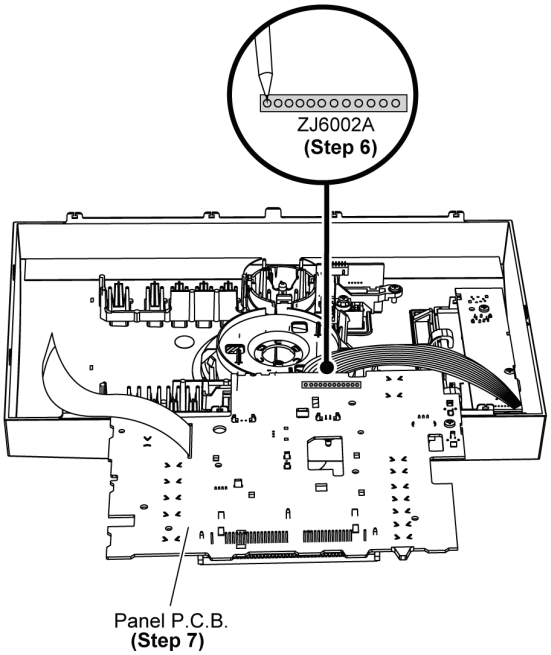
Step 4 Release catches by following the sequences (1-6).



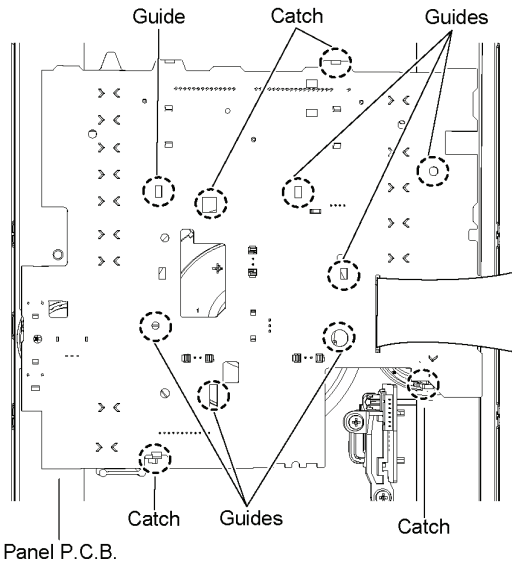
Step 5 Lift up Panel P.C.B..



Step 6 Desolder 12pins at (ZJ6002A) on Panel P.C.B.
Step 7 Remove the Panel P.C.B.



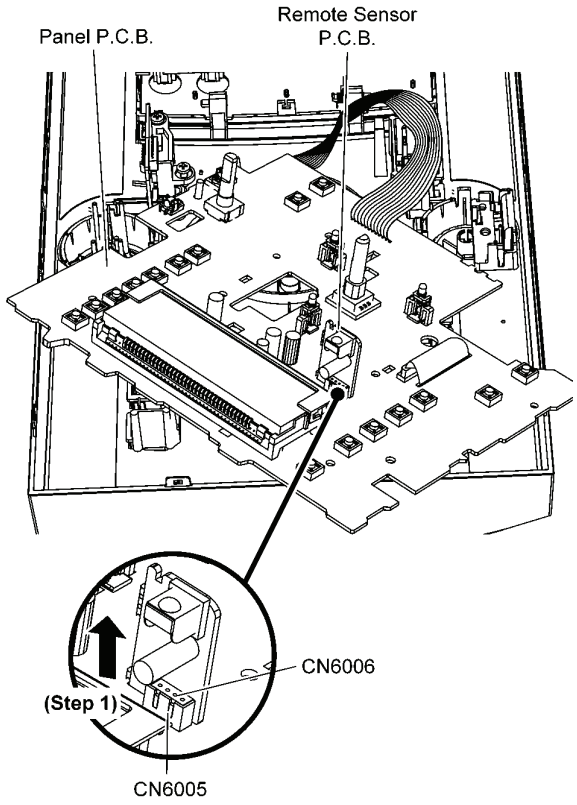
Caution: During assembling, ensure that Panel P.C.B. is seated properly through the guides & fully catched.



9.8. Disassembly of Remote Sensor P.C.B.

- **Refer to "Disassembly of Top Cabinet Unit".**
- **Refer to "Disassembly of Front Panel Unit".**
- **Refer to "Disassembly to Jupiter P.C.B.".**
- **Refer to (Step 1) to (Step 5) of item 9.7.**

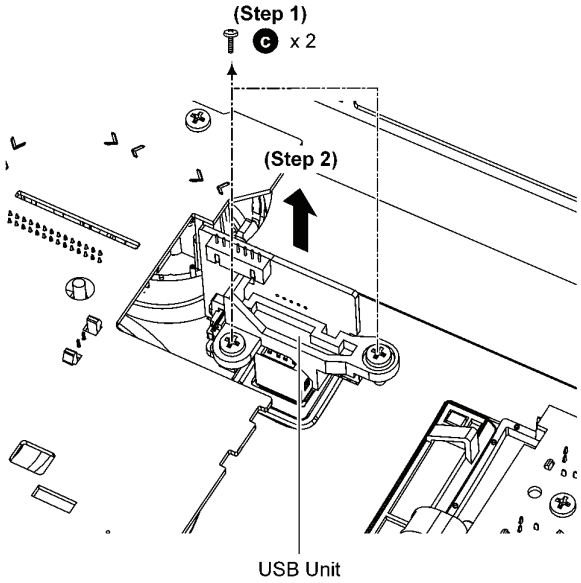
Step 1 Remove Remote Sensor P.C.B..
Caution: During assembling, ensure that Sensor P.C.B. is properly inserted & fully connected to Panel P.C.B..



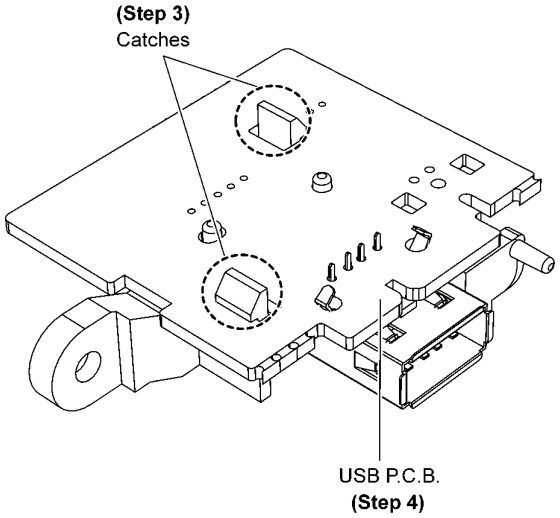
9.9. Disassembly of USB P.C.B.

- **Refer to "Disassembly of Top Cabinet".**
- **Refer to "Disassembly of Front Panel Unit".**
- **Refer to "Disassembly of Jupiter P.C.B".**

Step 1 Remove 2 screws.
Step 2 Lift up USB unit.



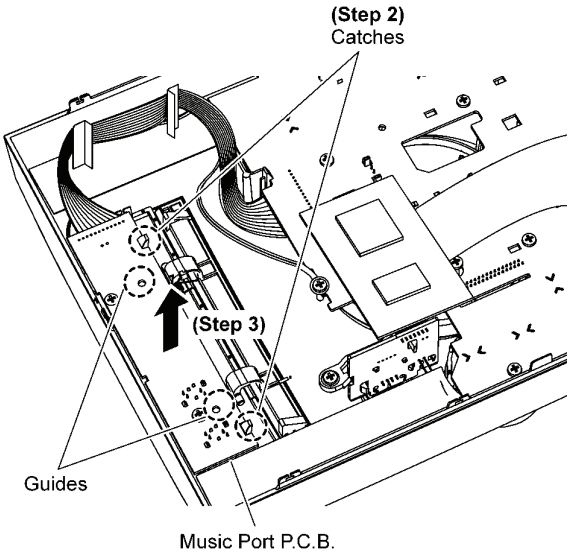
Step 3 Release 2 catches.
Step 4 Remove the USB P.C.B..



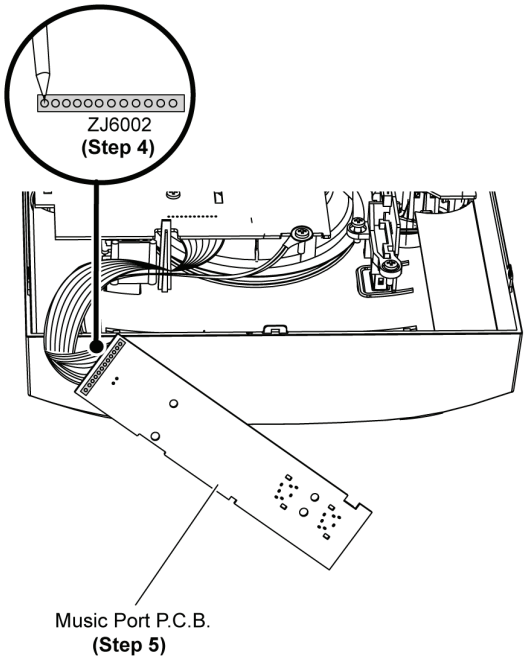
9.10. Disassembly of Music Port P.C.B.

- **Refer to "Disassembly of Top Cabinet".**
- **Refer to "Disassembly of Front Panel Unit".**

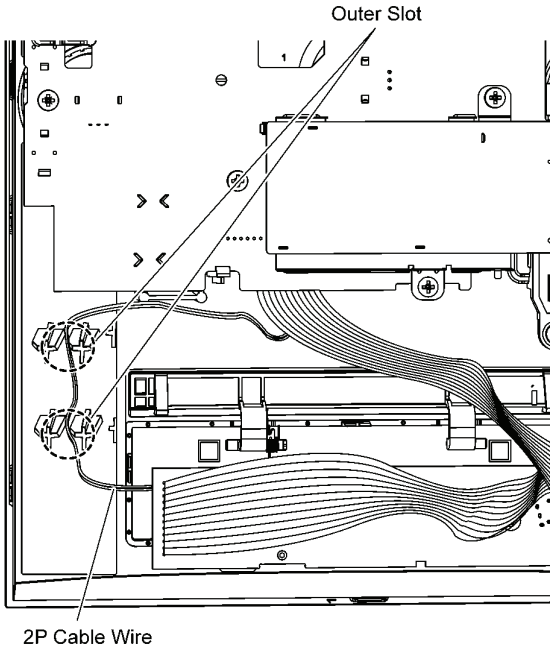
Step 1 Remove 2 screws.
Step 2 Release 2 catches.
Step 3 Lift up Music Port P.C.B.
Caution: During assembling, ensure that Music Port P.C.B. is properly located & fully catched onto Front Panel.



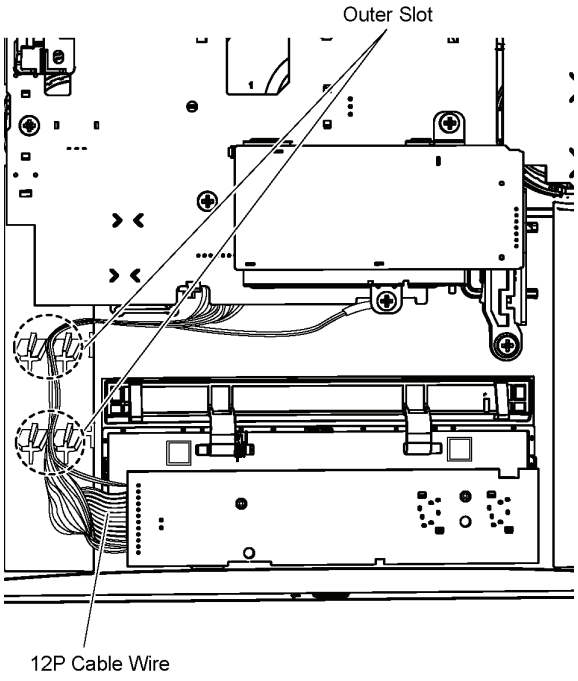
Step 4 Desolder 12 pins (ZJ6002) on Music Port P.C.B.
Step 5 Remove Music Port P.C.B..



Caution: During assembling, ensure the 2P Cable Wire is dressed into the outer slot properly.



Caution: During assembling, ensure the 12P Cable Wire is dressed into the outer slot properly.

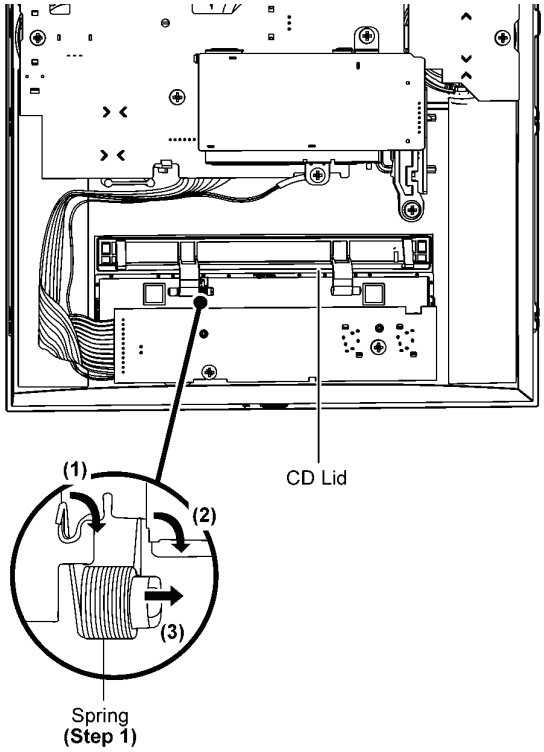


9.11. Disassembly of CD Lid

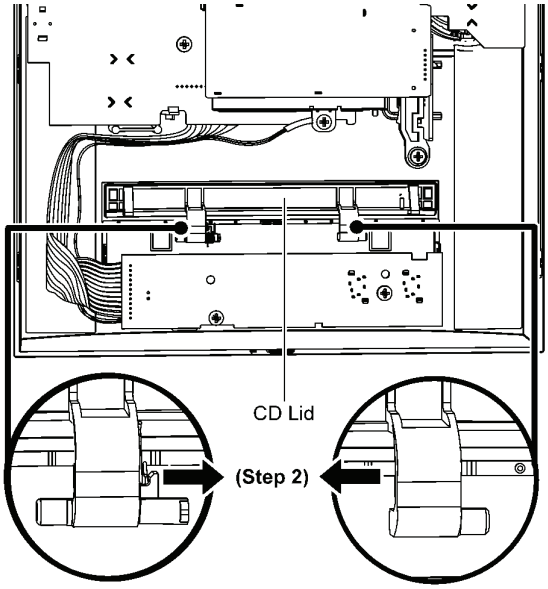
- **Refer to "Disassembly of Top Cabinet".**
- **Refer to "Disassembly of Front Panel Unit".**

Step 1 Remove the spring as arrow shown in order of sequence (1) to (3).

Caution: During assembling, ensure that the spring is assembly at right position.



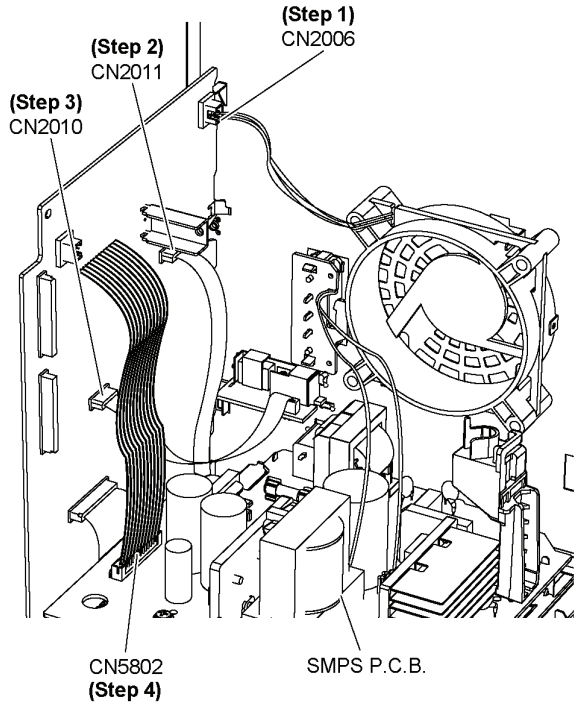
Step 2 Remove CD Lid as arrow shown.



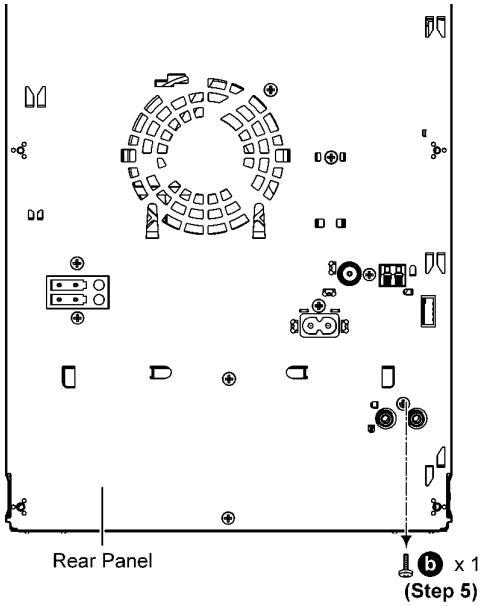
9.12. Disassembly of Main P.C.B.

- **Refer to "Disassembly of Top Cabinet".**
- **Refer to "Disassembly of Front Panel Unit".**

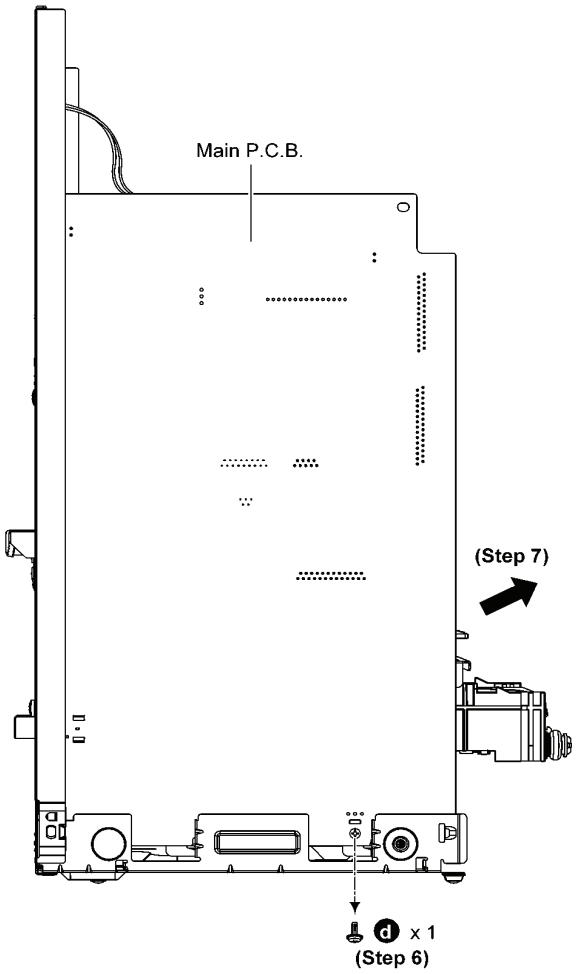
Step 1 Detach 2P Wire at the connector (CN2006) on Main P.C.B..
Step 2 Detach 12P FFC at the connector (CN2011) on Main P.C.B..
Step 3 Detach 9P FFC at the connector (CN2010) on Main P.C.B..
Step 4 Detach 15P Cable Wire at the connector (CN5802) on SMPS P.C.B..



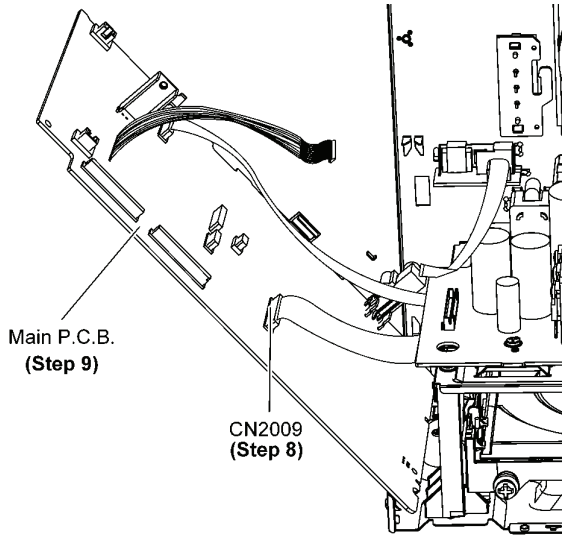
Step 5 Remove 1 screw.



Step 6 Remove 1 screw.
Step 7 Detach Main P.C.B. from Rear Panel according to arrow shown.



Step 8 Detach 27P FFC at the connector (CN2009) on Main P.C.B..
Step 9 Remove Main P.C.B..



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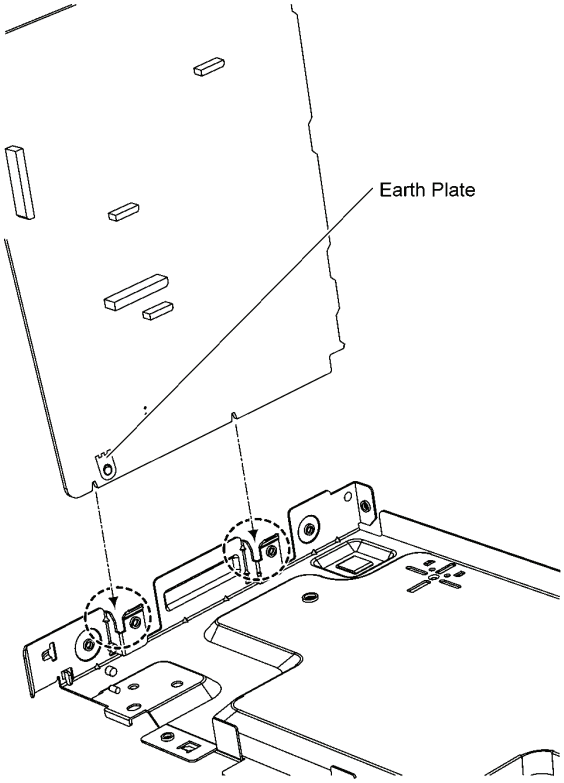
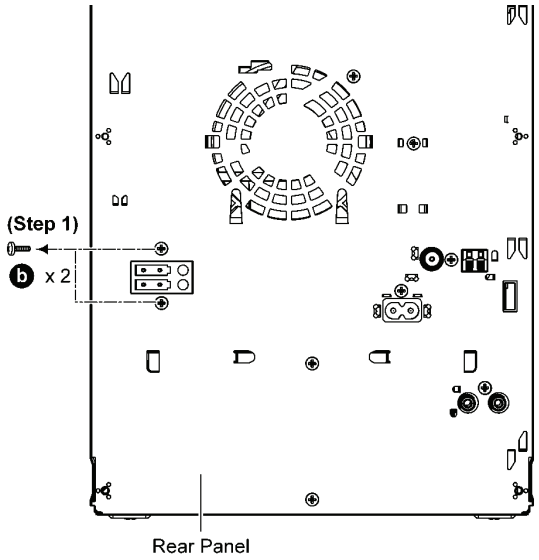
Caution: During assembling, ensure that earth plate is bended flat against the Main P.C.B. properly when inserted to locators.



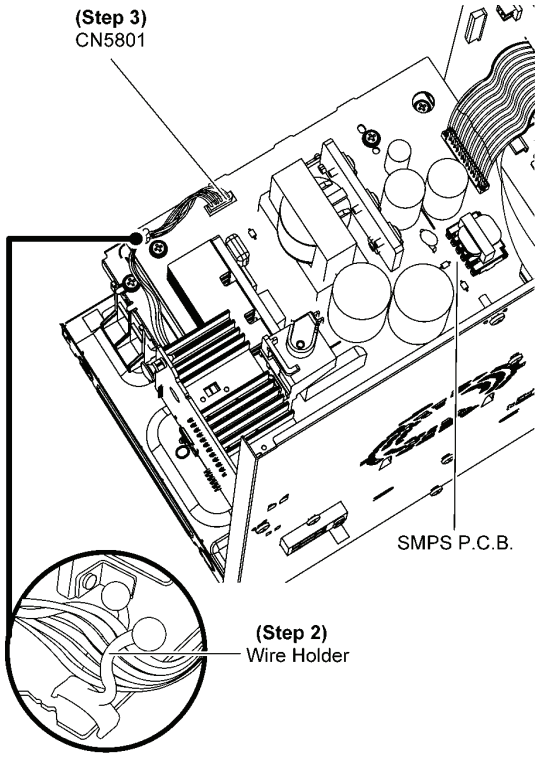
9.14. Disassembly of D-Amp P.C.B.

- **Refer to "Disassembly of Top Cabinet".**
- **Refer to "Disassembly of Front Panel Unit".**

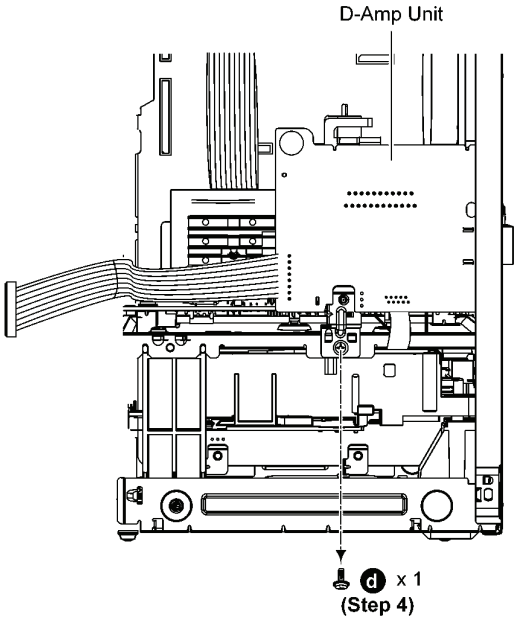
Step 1 Remove 2 screws.



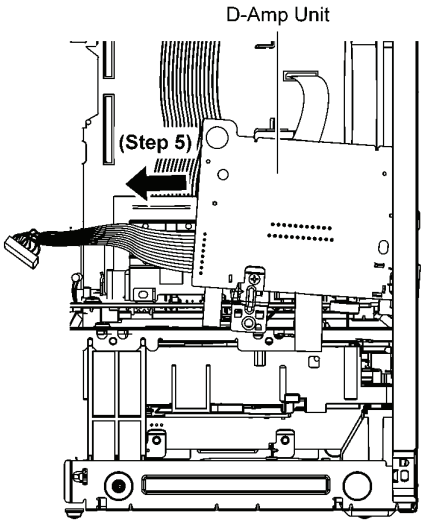
Step 2 Twist the Wire Holder to release 6P Cable Wire.
Step 3 Detach 6P Cable Wire at the connector (CN5801) on SMPS P.C.B.



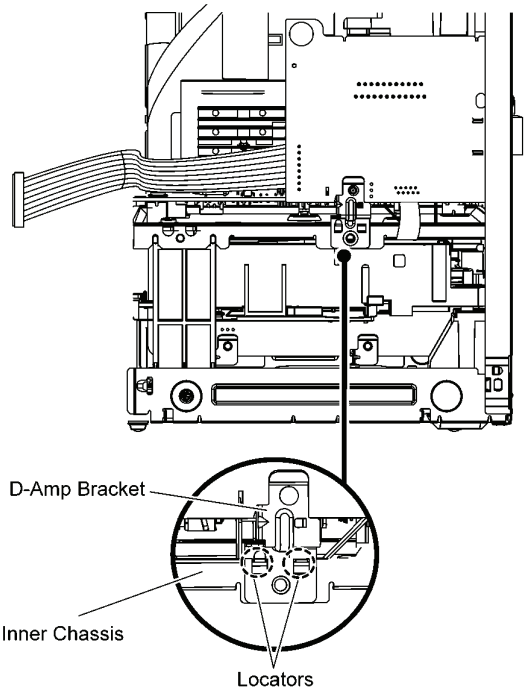
Step 4 Remove 1 screw.



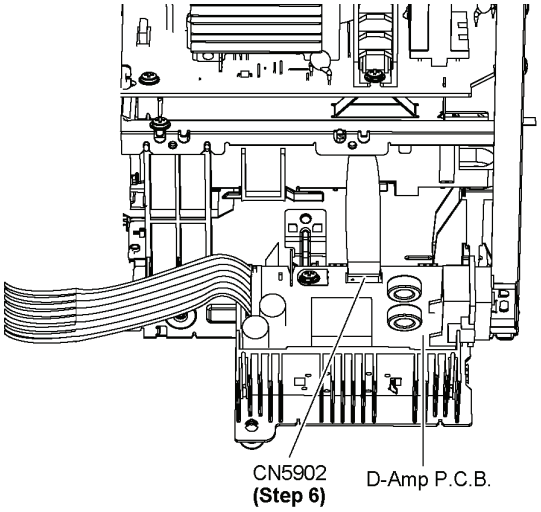
Step 5 Slightly lift up & remove D-Amp Unit as arrow shown.



Caution: During assembling, ensure that D-Amp Bracket is seated on the locator of Inner Chassis properly.



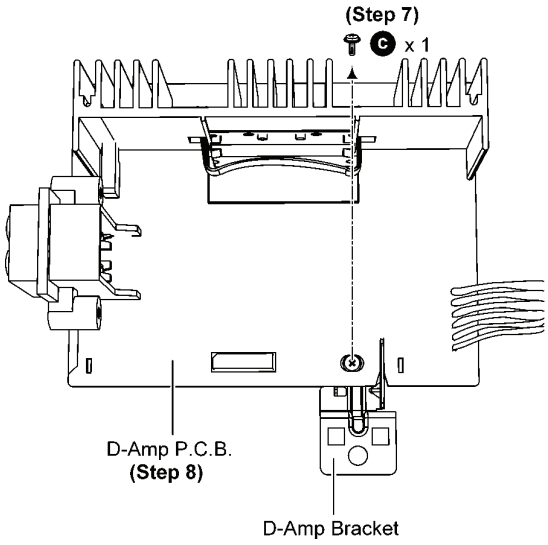
Step 6 Detach 12P FFC at the connector (CN5902) on D-Amp P.C.B..



Step 7 Remove 1 screw.

Step 8 Remove D-Amp P.C.B..

Caution: Keep the D-Amp Brackets in safe place, place it back during assembling.

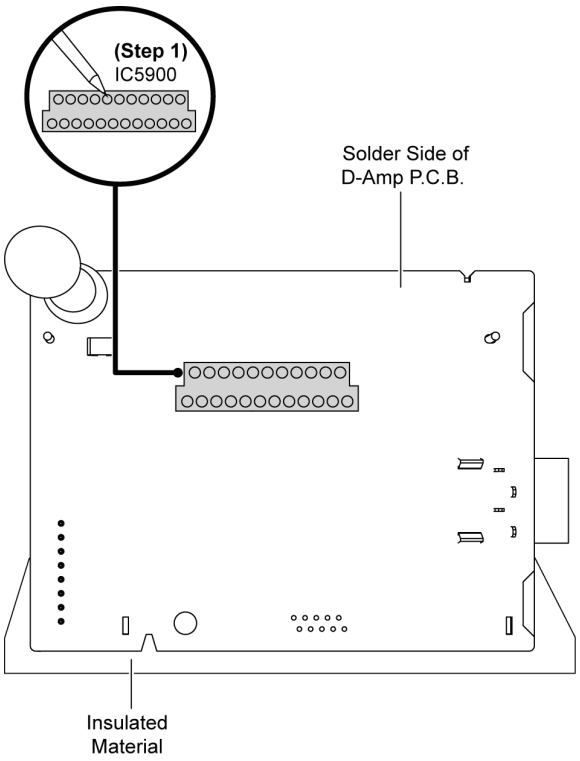


9.15. Replacement of Audio Digital Amp IC (IC5900)

- **Refer to "Disassembly of D-Amp P.C.B.".**

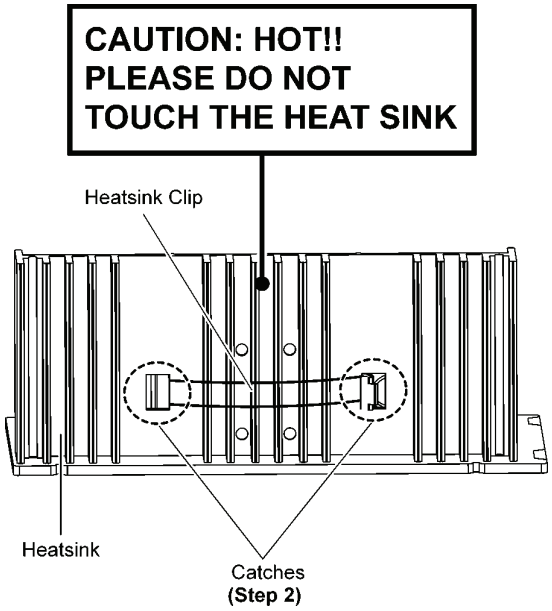
9.15.1. Disassembly of Audio Digital Amp IC (IC5900)

Step 1 Desolder pins of the Audio Digital Amp IC (IC5900) on the solder side of D-Amp P.C.B..



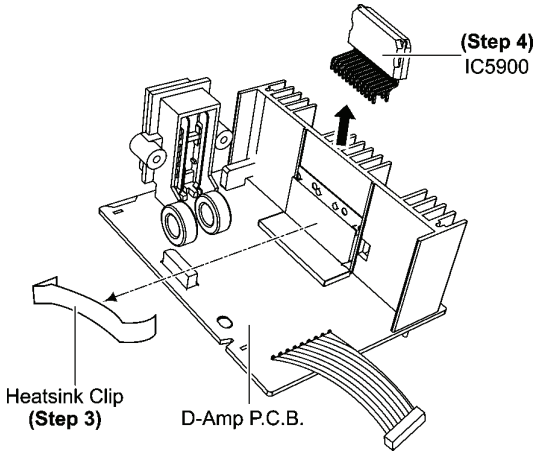
Step 2 Release 2 catches of Heatsink Clip.

Caution: During releasing of 2 catches, avoid touching the Heatsink, due to high temperature.



Step 3 Remove Heatsink Clip.

Step 4 Remove Audio Digital Amp IC (IC5900).



9.15.2. Assembly of Audio Digital Amp IC (IC5900)

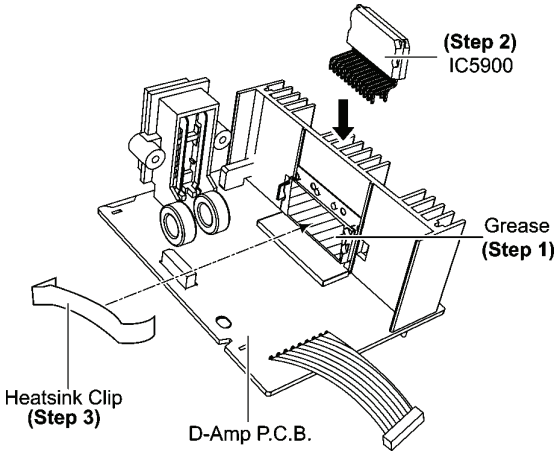
Step 1 Apply grease to the Heatsink.

Step 2 Fix the Audio Digital Amp IC (IC5900) on D-Amp P.C.B.

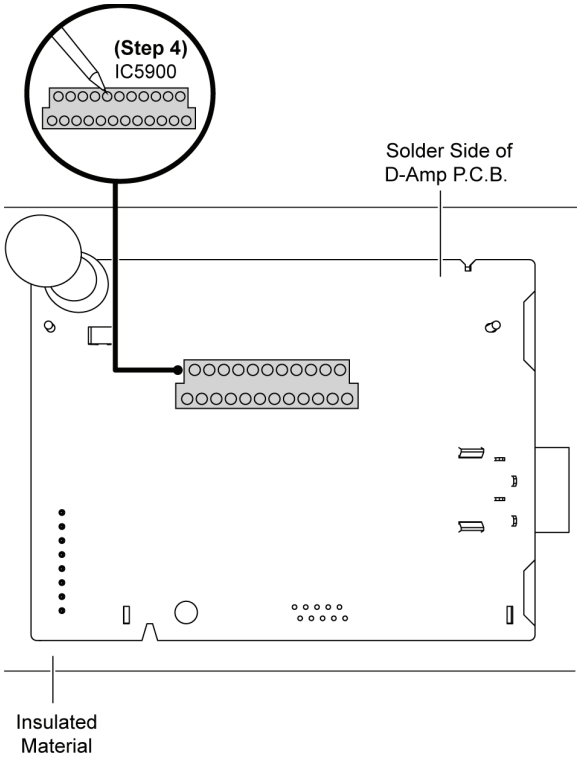
Caution: Ensure pins of the Audio Digital Amp IC (IC5900) are properly seated on D-Amp P.C.B.

Step 3 Fix Heatsink Clip to the Heatsink.

Caution: During assembling, ensure that Heatsink Clip is catched onto Heatsink properly.



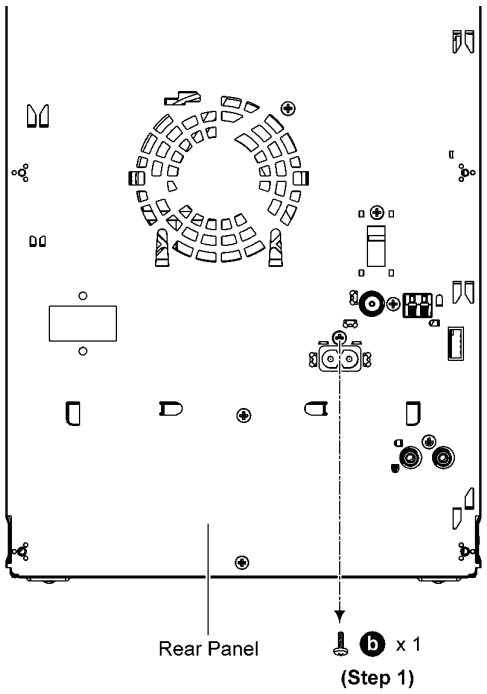
Step 4 Solder pins of the Audio Digital Amp IC (IC5900) on the solder side of D-Amp P.C.B..



9.16. Disassembly of SMPS P.C.B.

- **Refer to "Disassembly of Top Cabinet.".**
- **Refer to "Disassembly of Front Panel Unit".**
- **Refer to "Disassembly of D-Amp P.C.B.".**

Step 1 Remove 1 screw.

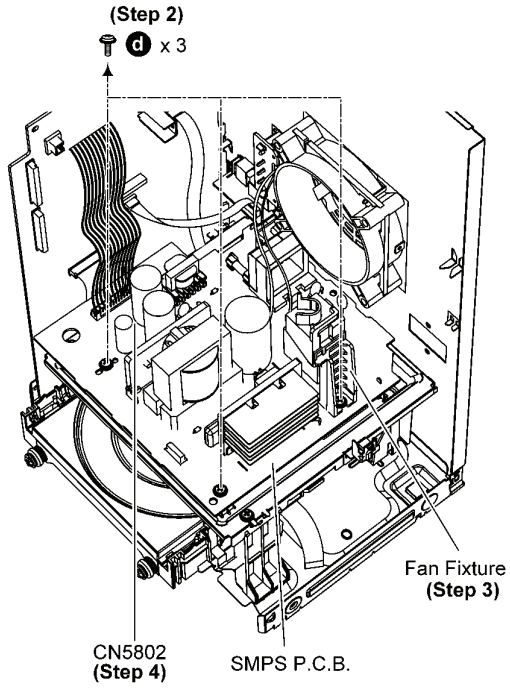


Step 2 Remove 3 screws.

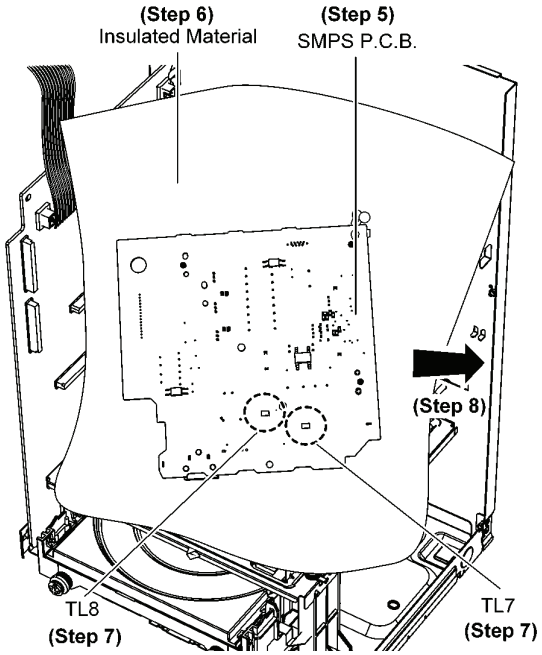
Step 3 Remove the Fan Fixture.

Caution: Keep the Fan Fixture in safe place, place it back during assembling.

Step 4 Detach 15P Cable Wire at the connector (CN5802) on SMPS P.C.B..



Step 5 Flip the SMPS P.C.B. and position it according to diagram shown.
Step 6 Position SMPS P.C.B. on the insulated material.
Step 7 Desolder 2 Wire pins, TL7 (Black), TL8 (Red) wires pin.
Step 8 Remove SMPS P.C.B..



9.17. Replacement of Switching Regulator IC (IC5701)

- **Refer to "Disassembly of SMPS P.C.B.".**

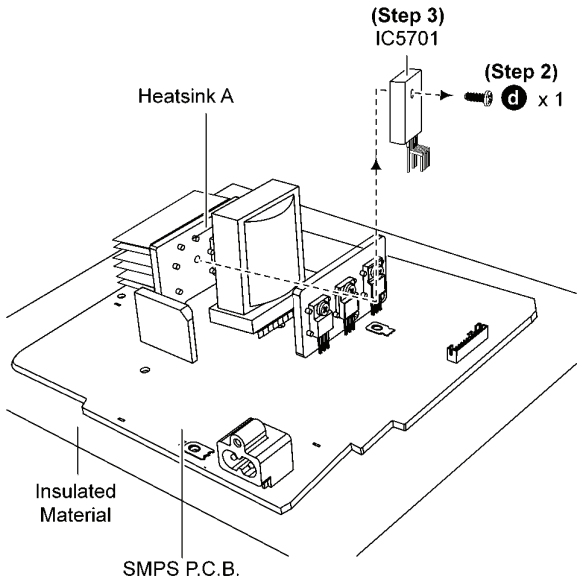
9.17.1. Disassembly of Switching Regulator IC (IC5701)

Step 1 Desolder pins of the Switching Regulator IC (IC5701) on the solder side of SMPS P.C.B..

Step 2 Remove 1 screw.

Step 3 Remove the Switching Regulator IC (IC5701).

Caution: Avoid touching the Heatsink A due to its high temperature after prolonged use. Touching it may lead to injuries.



9.17.2. Assembly of Switching Regulator IC (IC5701)

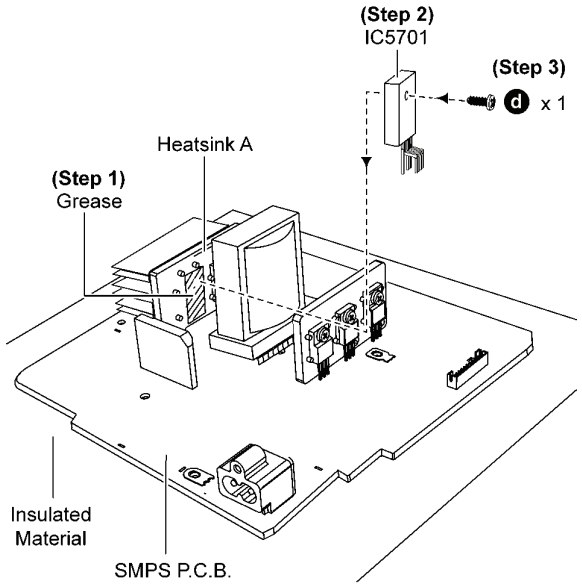
Step 1 Apply grease to the Heatsink A.

Step 2 Fix the Switching Regulator IC (IC5701) to the SMPS P.C.B..

Caution: Ensure pins of the Switching Regulator IC (IC5701) are properly inserted and soldered on SMPS P.C.B..

Step 3 Screw the Switching Regulator IC (IC5701) to the Heatsink A.

Caution: Ensure the Switching Regulator IC (IC5701) is tightly screwed to the Heatsink A.



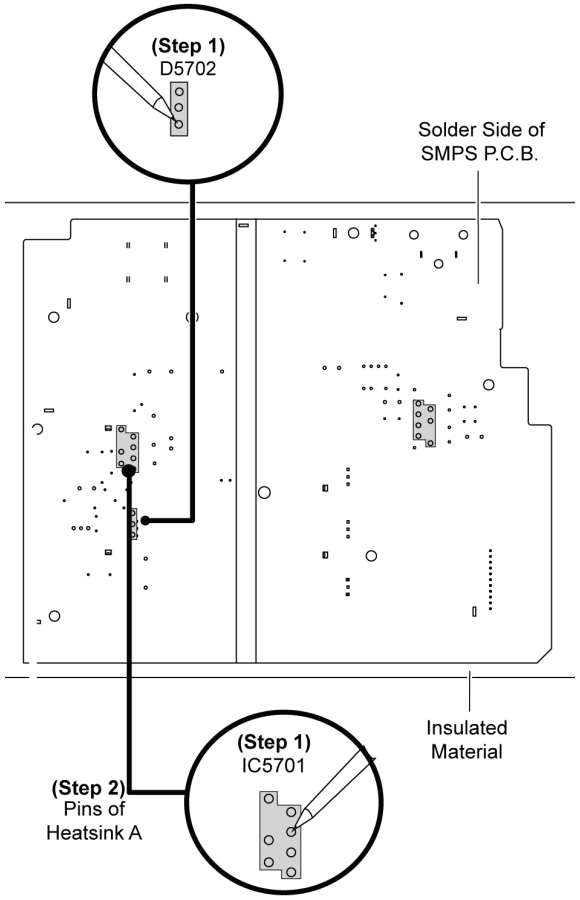
Step 4 Solder pins of the Switching Regulator IC (IC5701) on the solder side of SMPS P.C.B..

9.18. Replacement of Rectifier Diode (D5702)

- **Refer to "Disassembly of SMPS P.C.B.".**

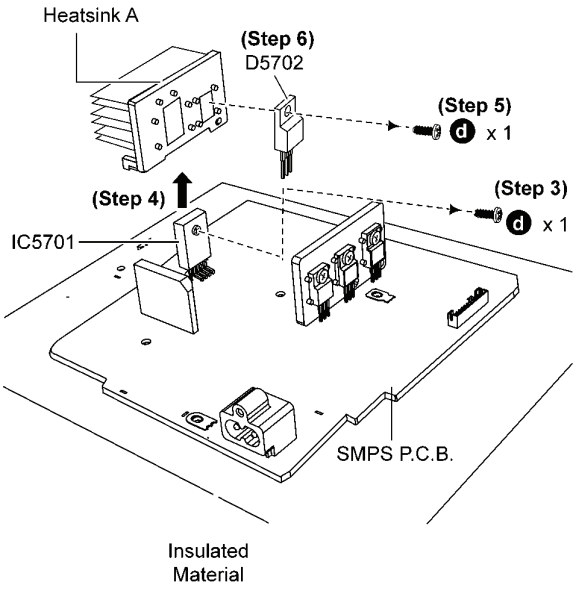
9.18.1. Disassembly of Rectifier Diode (D5702)

Step 1 Desolder pins of the Rectifier Diode (D5702) on the solder side of SMPS P.C.B.
Step 2 Desolder pins of the Heatsink A.



Step 3 Remove 1 screw at Switching Regulator IC (IC5701).
Step 4 Remove the Heatsink A with Rectifier Diode (D5702).
Step 5 Remove 1 screw.
Step 6 Remove the Rectifier Diode (D5702) from the Heatsink A.

Caution: Avoid touching the Heatsink A due to its high temperature after prolong use. Touching it may lead to injuries.



9.18.2. Assembly of Rectifier Diode (D5702)

Step 1 Apply grease to the Heatsink A.

Step 2 Screw the Rectifier Diode (D5702) to the Heatsink A.

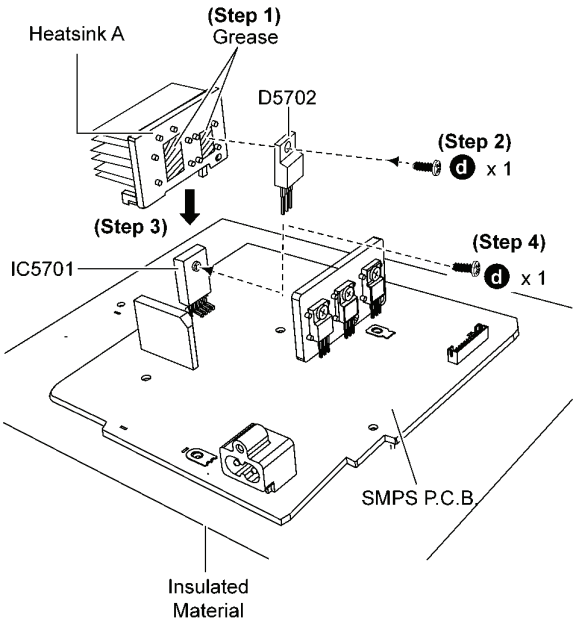
Caution: Ensure the Rectifier Diode (D5702) is tightly screwed to the Heatsink A.

Step 3 Fix the Heatsink A with Rectifier Diode (D5702) on SMPS P.C.B. in the direction of arrow.

Caution: Ensure the Heatsink A with Rectifier Diode (D5702) are properly seated on SMPS P.C.B.

Step 4 Screw the Switching Regulator IC (IC5701) to the Heatsink A.

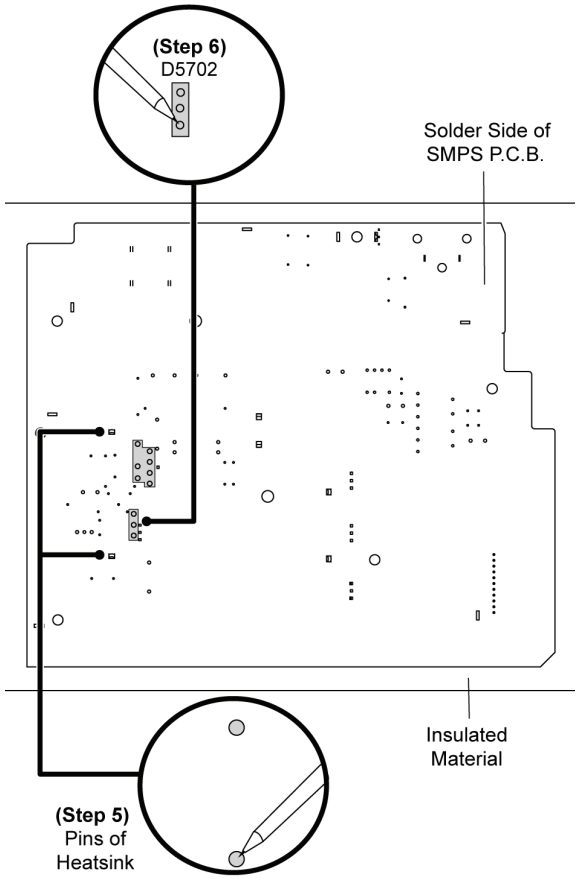
Caution: Ensure that Switching Regulator IC (IC5701) is tightly screwed to the Heatsink A.



Step 5 Solder pins of the Rectifier Diode (D5702) on the solder side of SMPS P.C.B..

Step 6 Solder pins of the Heatsink A on the solder side of SMPS P.C.B..

Caution: Ensure pins of the Rectifier Diode (D5702) are properly seated and soldered on SMPS P.C.B..

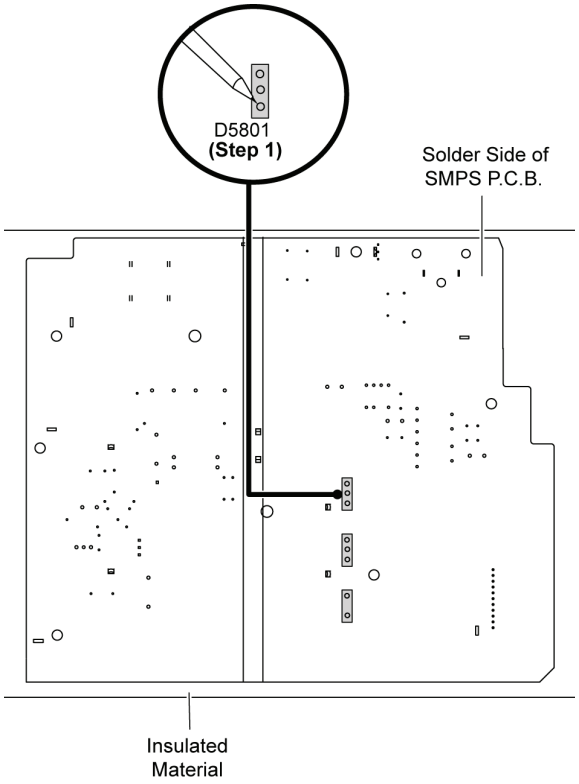


9.19. Replacement of Rectifier Diode (D5801)

- **Refer to "Disassembly of SMPS P.C.B.".**

9.19.1. Disassembly of Rectifier Diode (D5801)

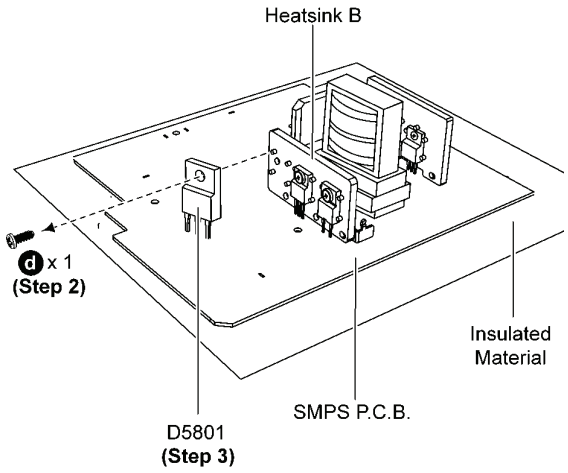
Step 1 Desolder pins of the Rectifier Diode (D5801) on the solder side of SMPS P.C.B.



Step 2 Remove 1 screw at Rectifier Diode (D5801).

Step 3 Remove the Rectifier Diode (D5801) from the SMPS P.C.B..

Caution: Avoid touching the Heatsink B due to its high temperature after prolonged use. Touching it may lead to injuries.



9.19.2. Assembly of Rectifier Diode (D5801)

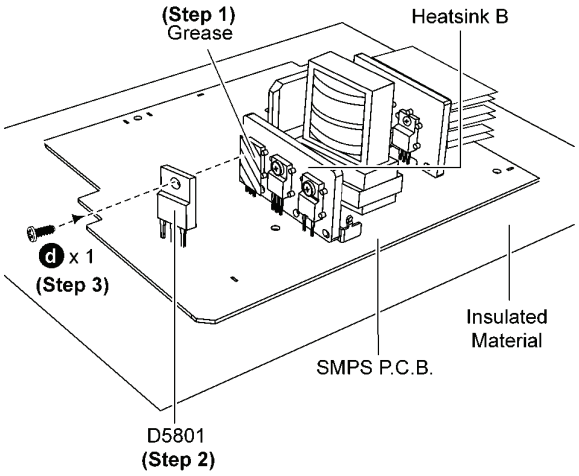
Step 1 Apply grease to the Heatsink B.

Step 2 Fix the Rectifier Diode (D5801) on SMPS P.C.B.

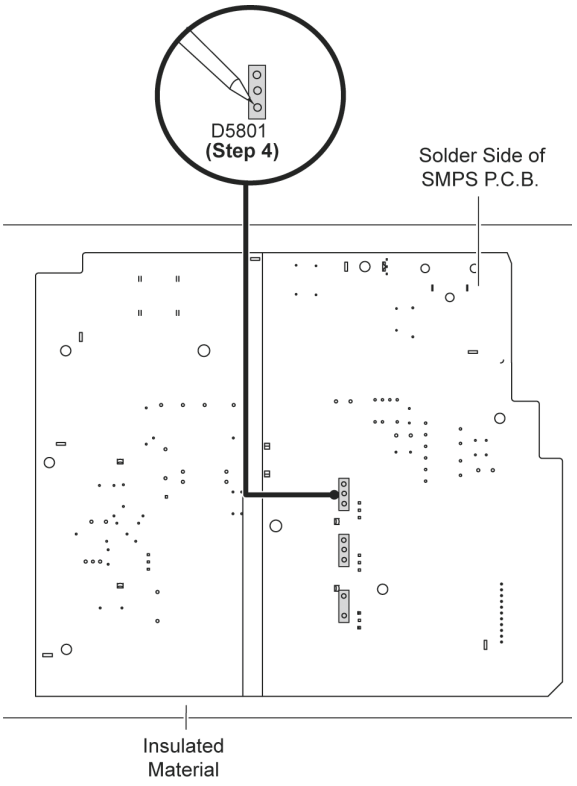
Caution: Ensure pins of the Rectifier Diode (D5801) is properly inserted on SMPS P.C.B.

Step 3 Screw the Rectifier Diode (D5801) to the Heatsink B.

Caution: Ensure the Rectifier Diode (D5801) is tightly screwed to the Heatsink B.



Step 4 Solder pins of the Rectifier Diode (D5801) on the solder side of SMPS P.C.B..

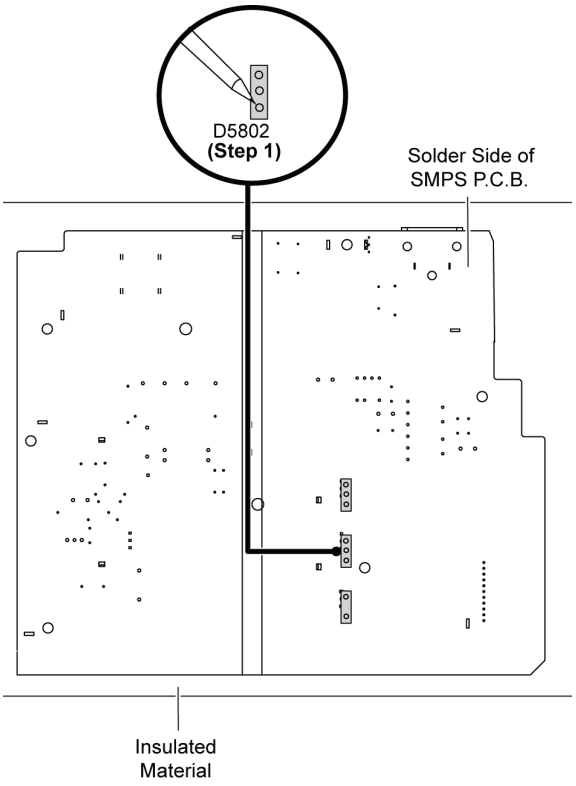


9.20. Replacement of Rectifier Diode (D5802)

- **Refer to "Disassembly of SMPS P.C.B.".**

9.20.1. Disassembly of Rectifier Diode (D5802)

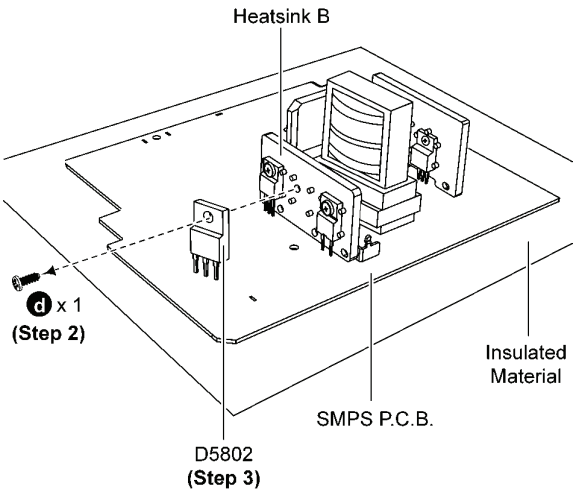
Step 1 Desolder pins of the Rectifier Diode (D5802) on the solder side of SMPS P.C.B.



Step 2 Remove 1 screw at Rectifier Diode (D5802).

Step 3 Remove the Rectifier Diode (D5802) from SMPS P.C.B..

Caution: Avoid touching the Heatsink B due to its high temperature after prolong use. Touching it may lead to injuries.



9.20.2. Assembly of Rectifier Diode (D5802)

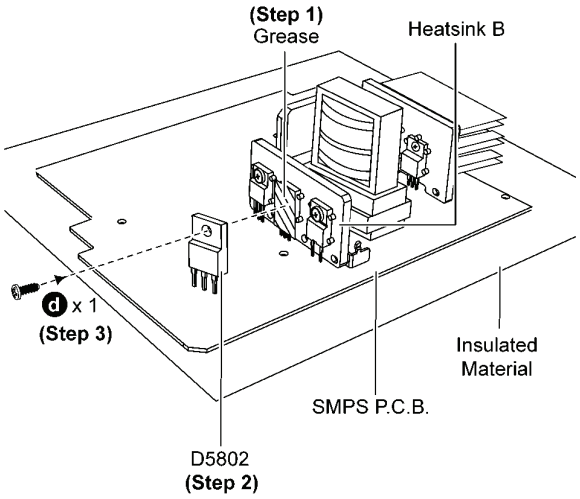
Step 1 Apply grease to the Heatsink B.

Step 2 Fix the Rectifier Diode (D5802) on SMPS P.C.B..

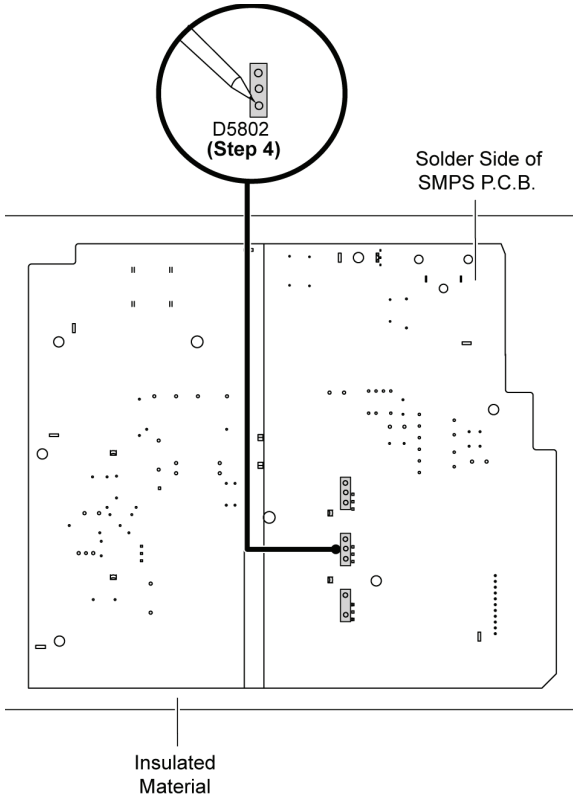
Caution: Ensure pins of the Rectifier Diode (D5802) is properly inserted on SMPS P.C.B.

Step 3 Screw the Rectifier Diode (D5802) to the Heatsink B.

Caution: Ensure the Rectifier Diode (D5802) is tightly screwed to the Heatsink B.



Step 4 Solder pins of the Rectifier Diode (D5802) on the solder side of SMPS P.C.B..

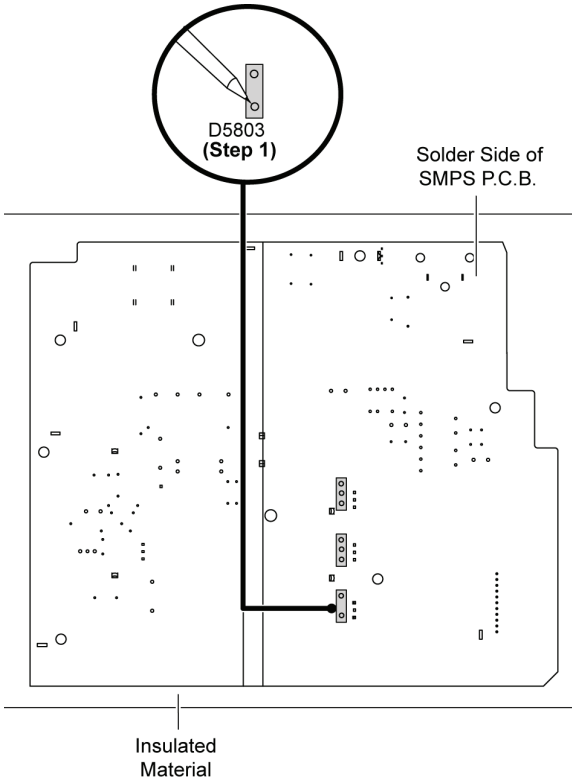


9.21. Replacement of Rectifier Diode (D5803)

- **Refer to “Disassembly of SMPS P.C.B.”.**

9.21.1. Disassembly of Rectifier Diode (D5803)

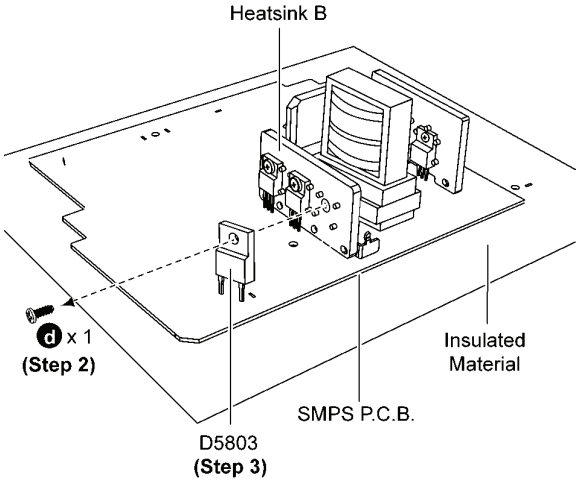
Step 1 Desolder pins of the Rectifier Diode (D5803) on the solder side of SMPS P.C.B.



Step 2 Remove 1 screw at Rectifier Diode (D5803).

Step 3 Remove the Rectifier Diode (D5803) from the SMPS P.C.B..

Caution: Avoid touching the Heatsink B due to its high temperature after prolonged use. Touching it may lead to injuries.



9.21.2. Assembly of Rectifier Diode (D5803)

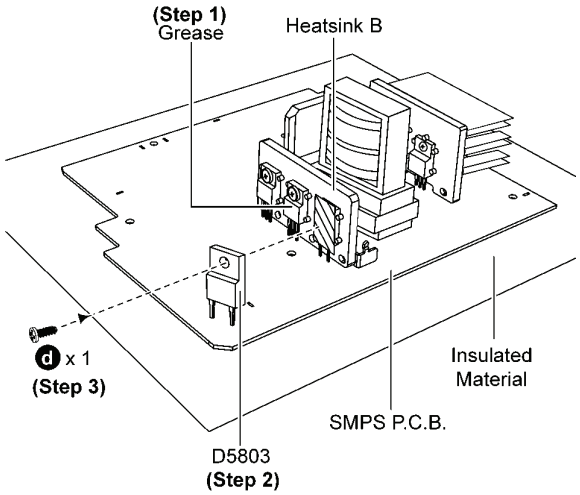
Step 1 Apply grease to the Heatsink B.

Step 2 Fix Rectifier Diode (D5803) on SMPS P.C.B.

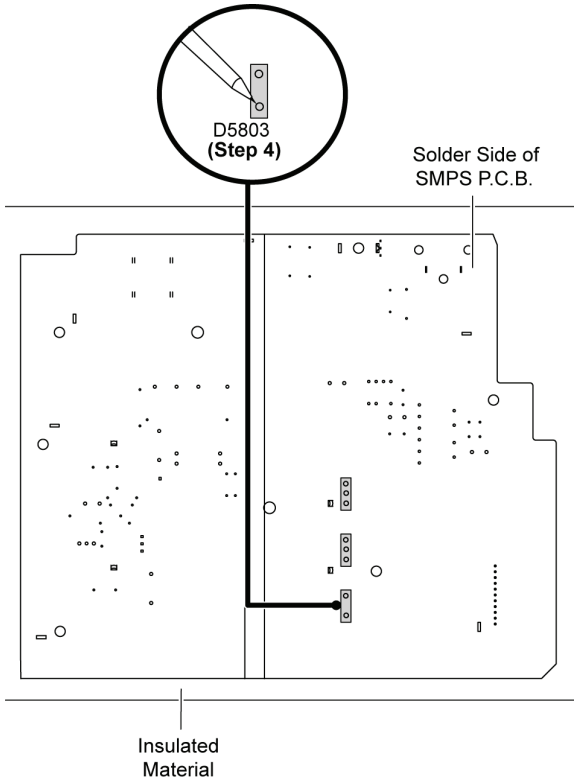
Caution: Ensure pins of the Rectifier Diode (D5803) are properly inserted on SMPS P.C.B.

Step 3 Screw the Rectifier diode (D5803) to the Heatsink B.

Caution: Ensure the Rectifier Diode (D5803) is tightly screwed to the Heatsink B.



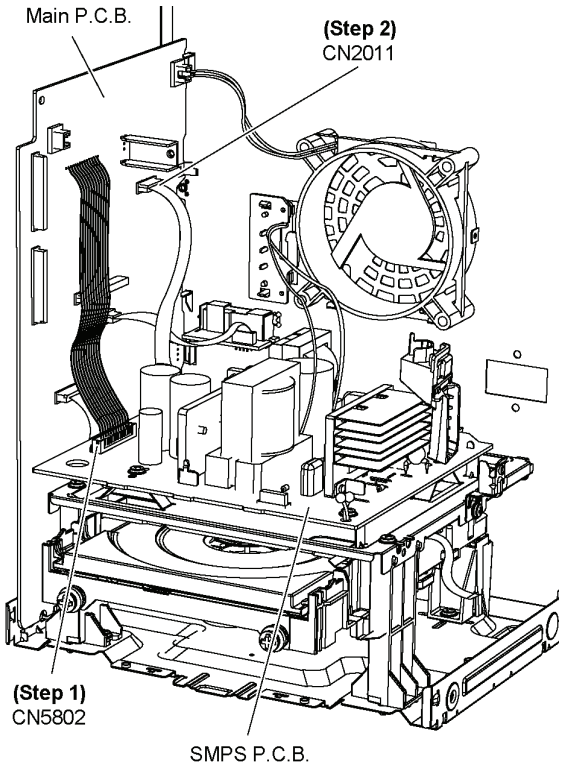
Step 4 Solder pins of the Rectifier Diode (D5803) on the solder side of SMPS P.C.B.



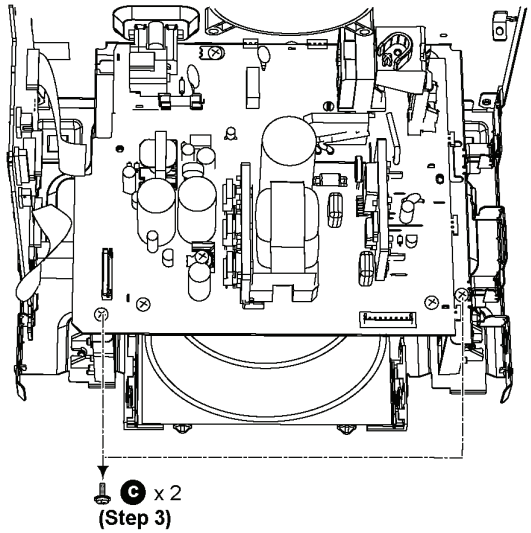
9.22. Disassembly of CD Mechanism Unit (BRS1C)

- **Refer to "Disassembly of Top Cabinet".**
- **Refer to "Disassembly of Front Panel Unit".**
- **Refer to "Disassembly of D-Amp P.C.B.".**

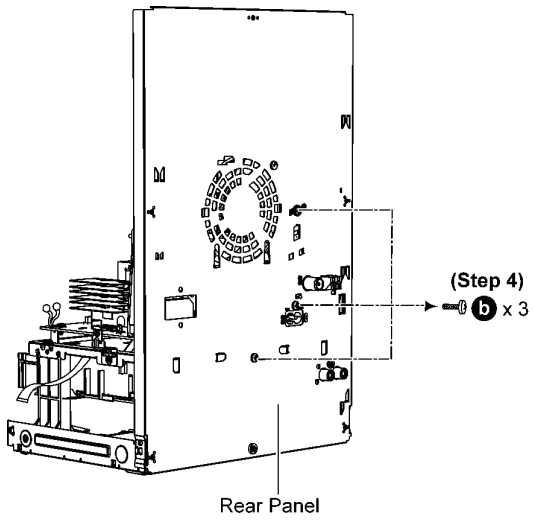
Step 1 Detach 15P Wire at the connector (CN5802) on SMPS P.C.B..
Step 2 Detach 12P FFC at the connector (CN2011) on Main P.C.B.



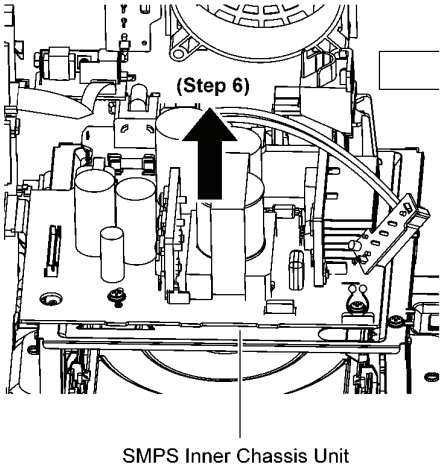
Step 3 Remove 2 screws.



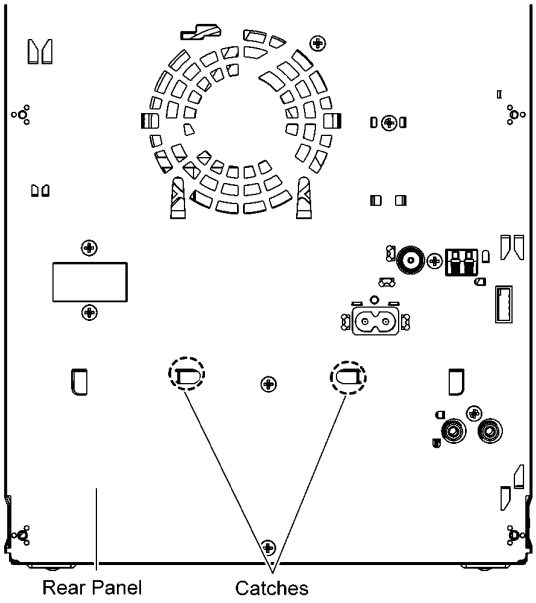
Step 4 Remove 3 screws.



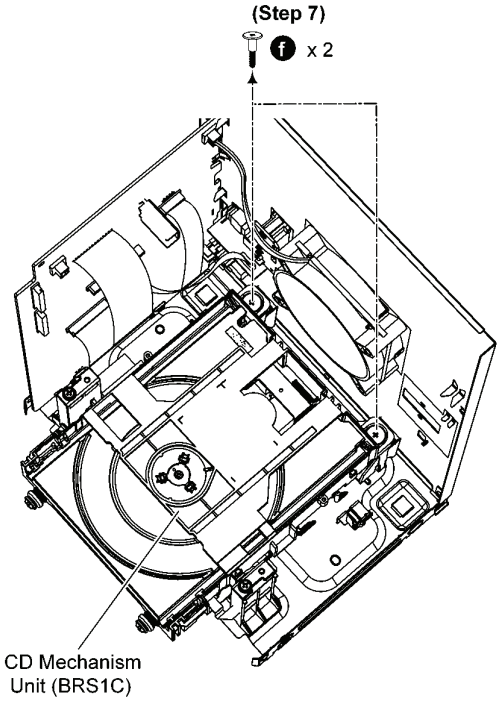
Step 6 Lift up SMPS Inner Chassis Unit.



Caution: During assembling, ensure that SMPS Inner Chassis is catched onto Rear Panel properly.



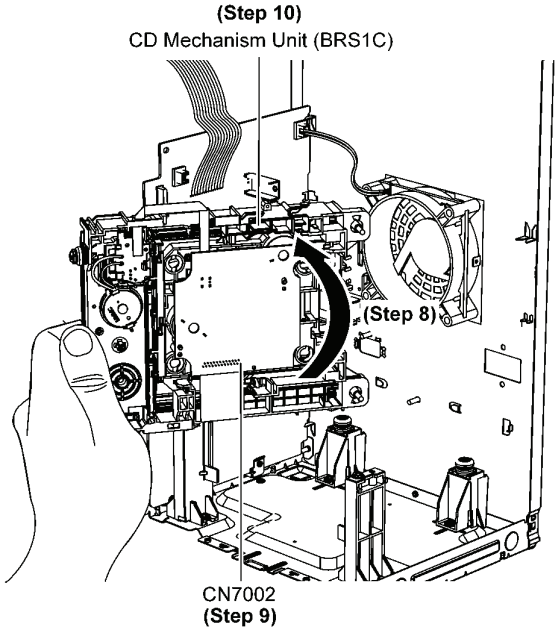
Step 7 Remove 2 screws.



Step 8 Lift up & upset the CD Mechanism Unit (BRS1C) as shown.

Step 9 Detach 27P FFC at the connector (CN7002) on CD Servo P.C.B..

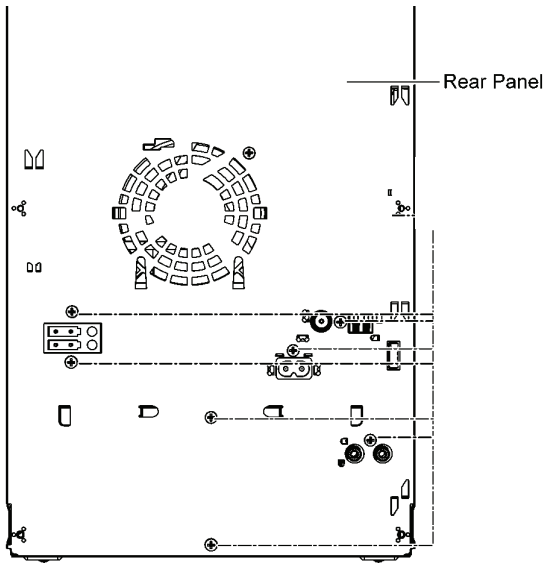
Step 10 Remove CD Mechanism Unit (BRS1C).



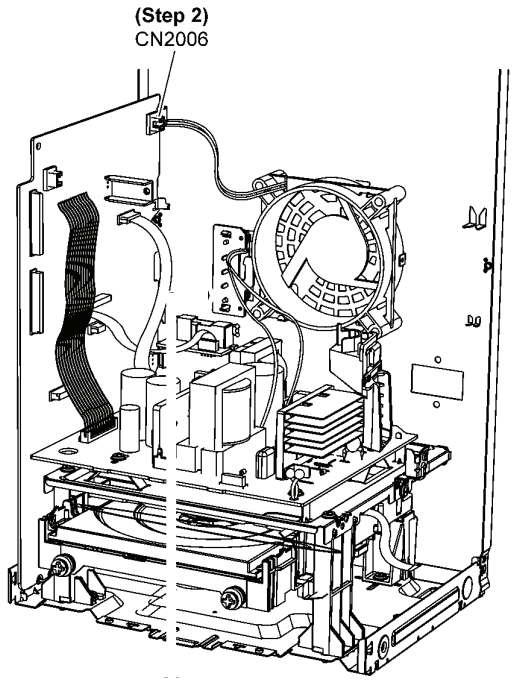
9.23. Disassembly of Rear Panel

- **Refer to “Disassembly of Top Cabinet”.**
- **Refer to “Disassembly of Tuner P.C.B.”.**

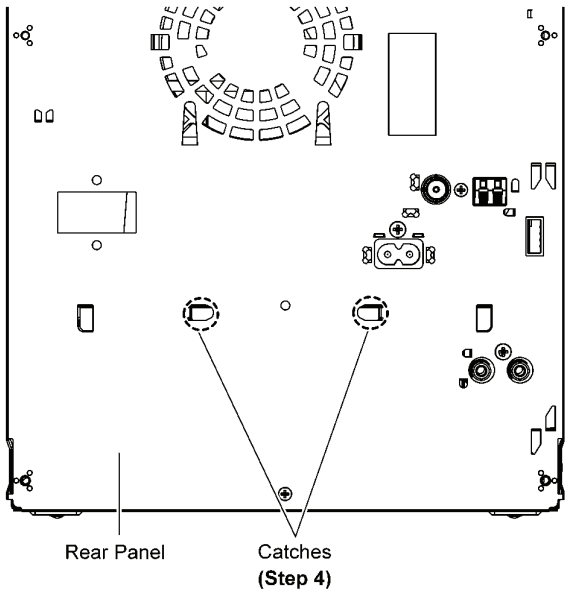
Step 1 Remove 7 screws.



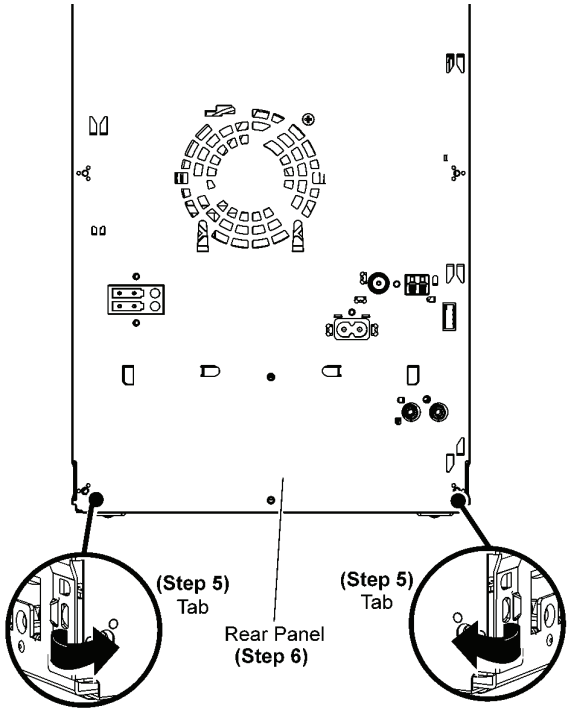
Step 2 Detach 2P Wire at the connector (CN2006) on Main P.C.B.



Step 3 Lift up SMPS Inner Chassis Unit to release the catch between the SMPS Inner Chassis Unit & the Rear Panel.



Step 4 Release 2 tabs.
Step 5 Remove Rear Panel.



10 Replacement of Traverse Unit

10.1. Disassembly of Traverse Unit

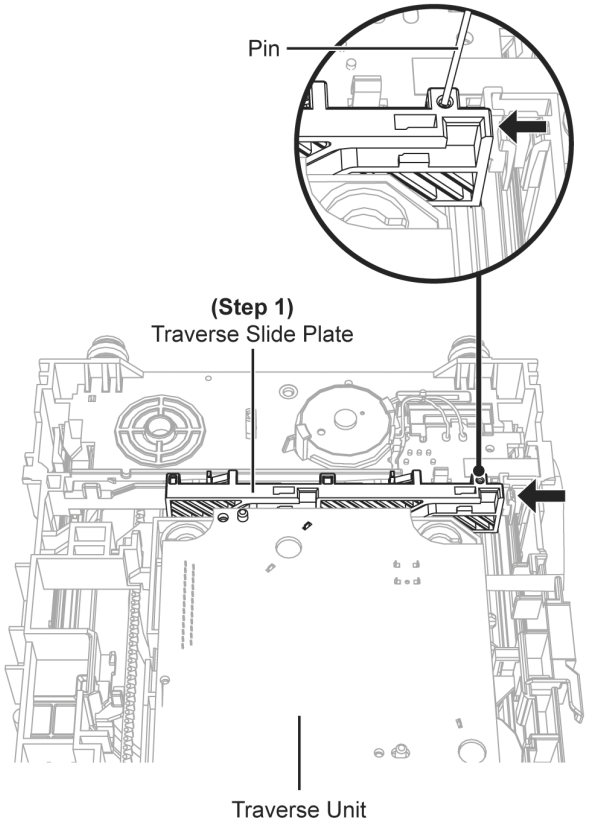
- **Refer to "Disassembly of CD Mechanism Unit (BRS1C)".**

Caution: Refer to "2.4 Handling Precaution for Traverse Unit" to prevent static damage to the Optical Pickup Unit.

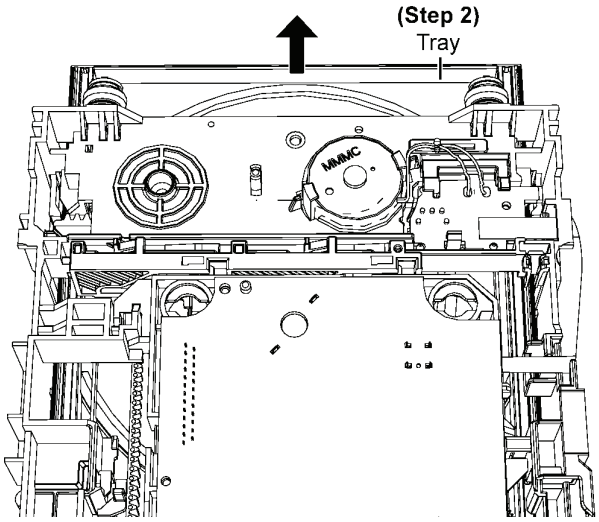
Note:

1. When the optical pickup unit is defective, the overall traverse unit needs replacement.
2. Please note that appropriate actions need to be taken to prevent static damage.
3. Ensure that the circuit is open before assembly BRS1 to the main set.

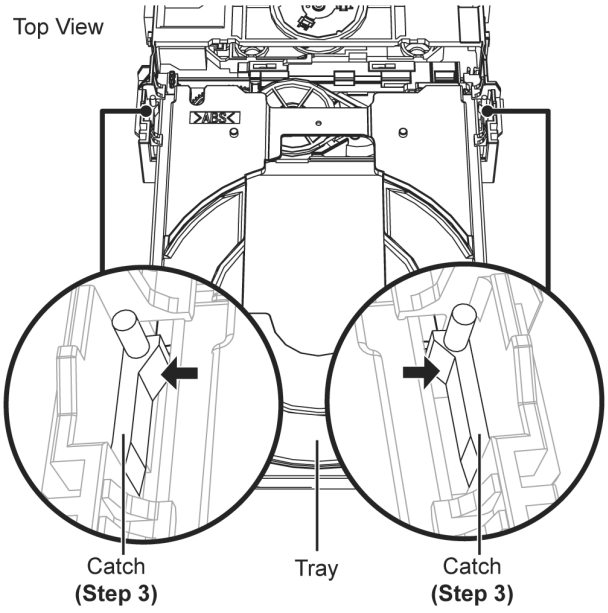
Step 1: Use a pin to slide the Traverse Slide Plate until it come to a stop.



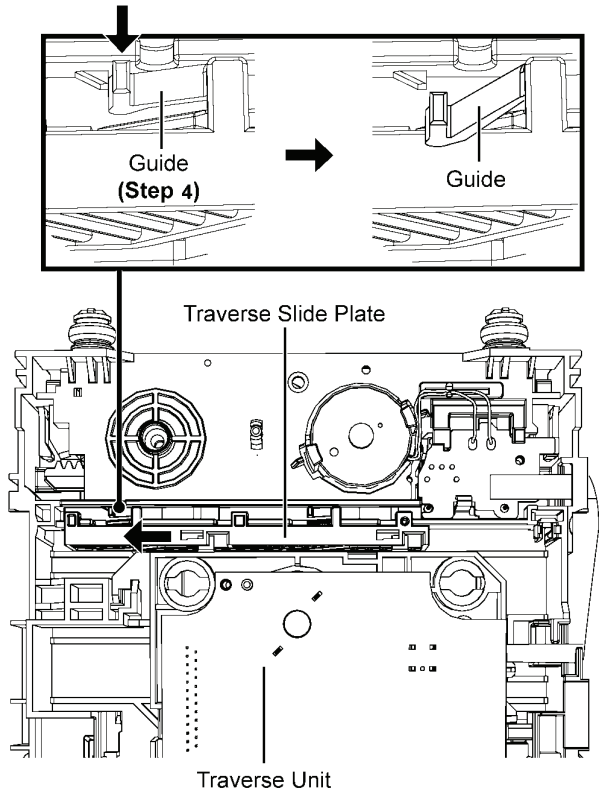
Step 2: Slide the tray out fully.



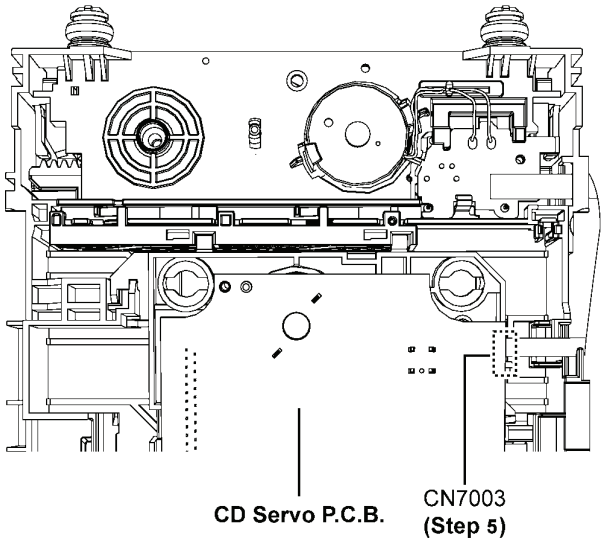
Step 3: Release the catches & remove the tray.



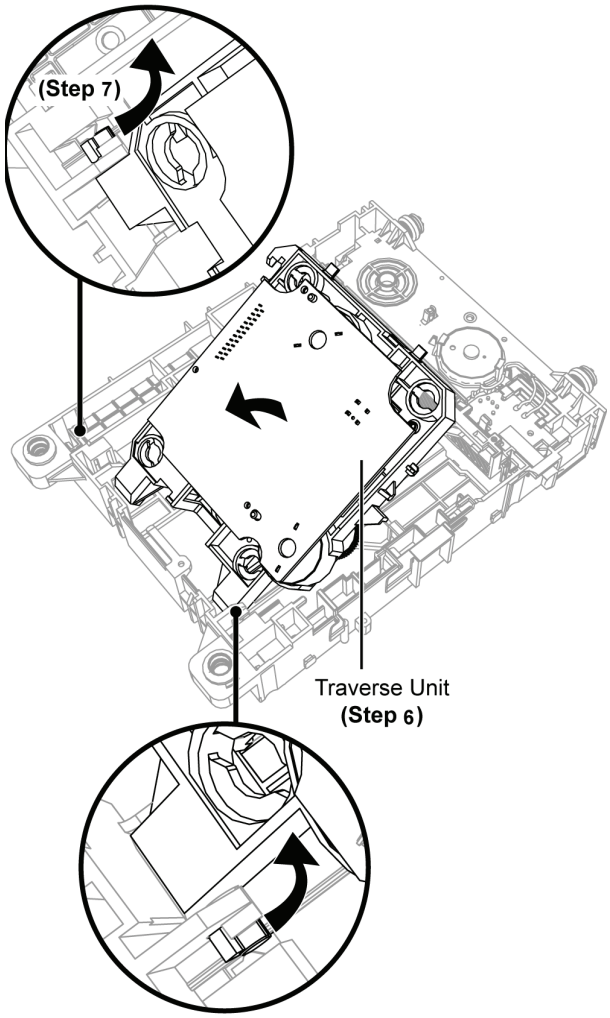
Step 4: Release the guide as shown & slide the Traverse Slide Plate to the end.



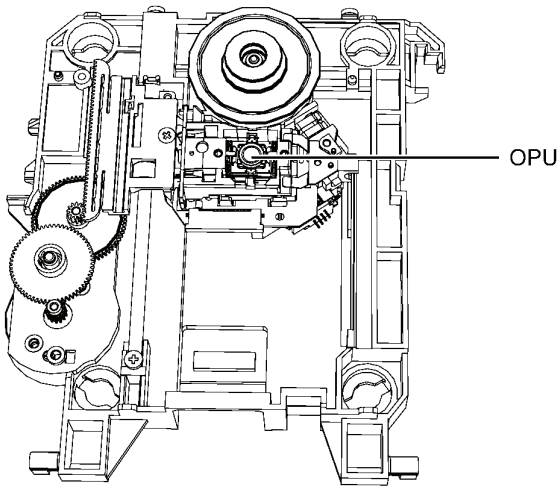
Step 5: Detach 5P FFC at the connector (CN7003) on CD Servo P.C.B..



Step 6: Lift the Traverse Unit by approximately 45°.
Step 7: Slide out the traverse unit as arrow shown.

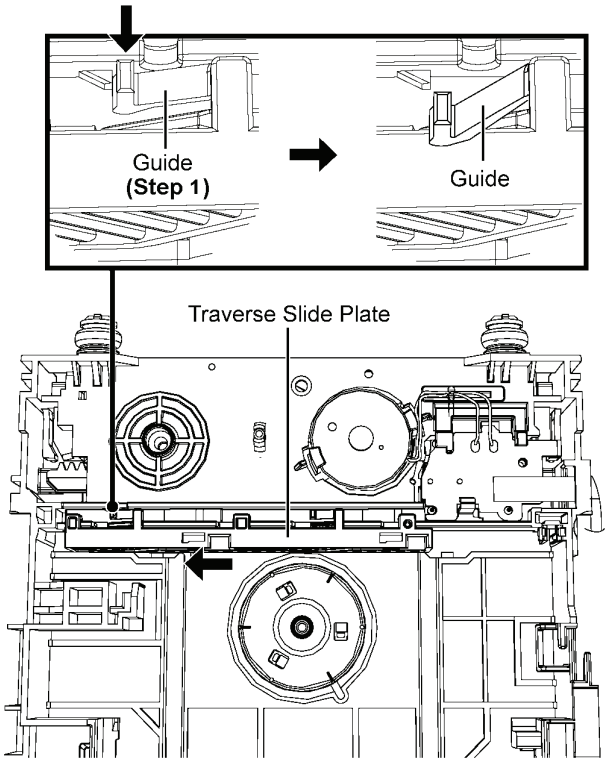


Caution: Avoid touching the surface of the Optical Pickup Unit.

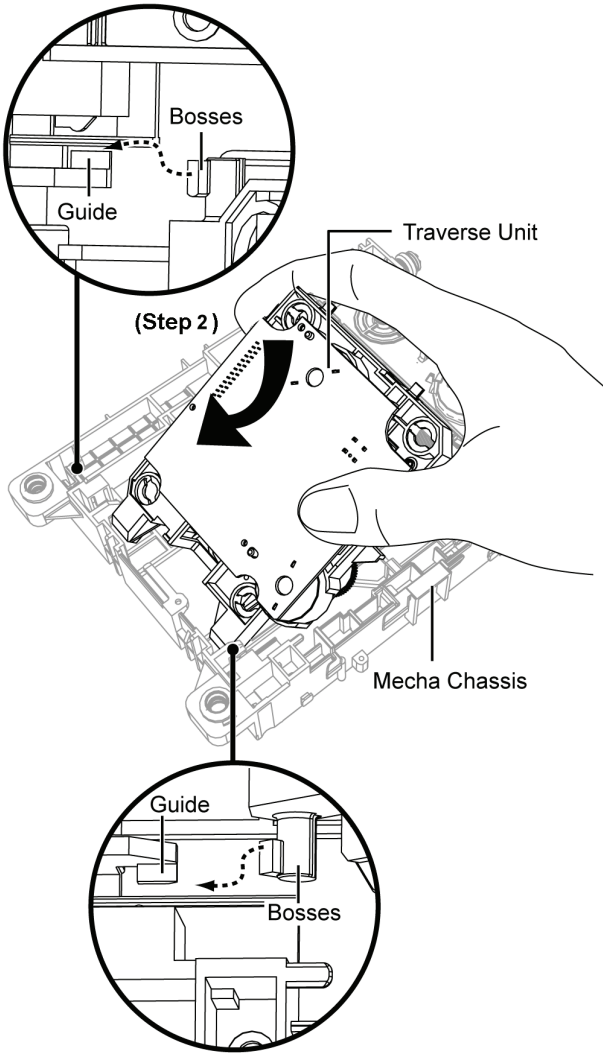


10.2. Assembly of Traverse Unit

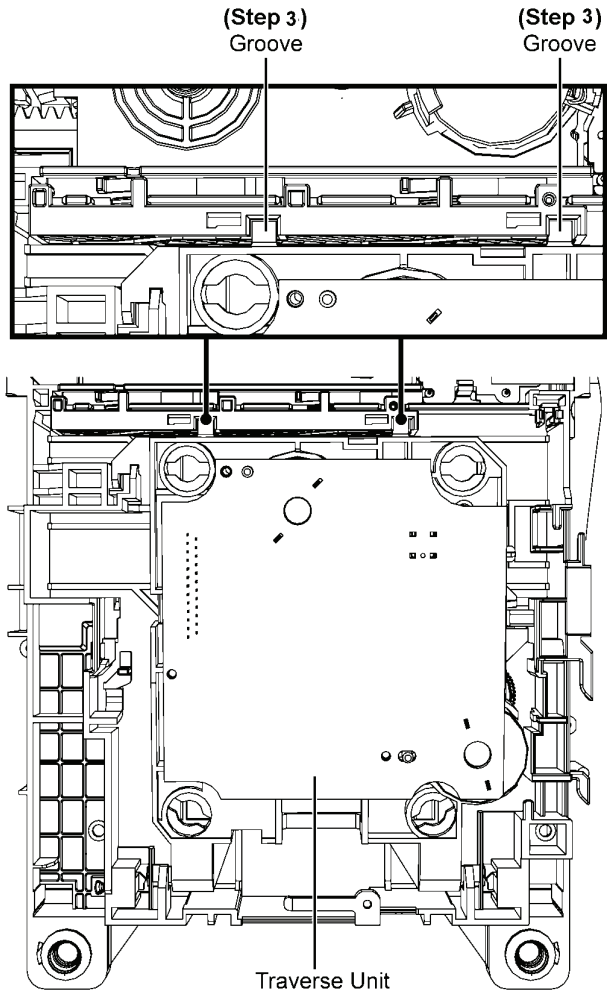
Step 1: Release the guide as shown & slide the Traverse Slide Plate to the end.



Step 2: Slot the Traverse Unit at approximately 45° into the mecha chassis as arrow shown.

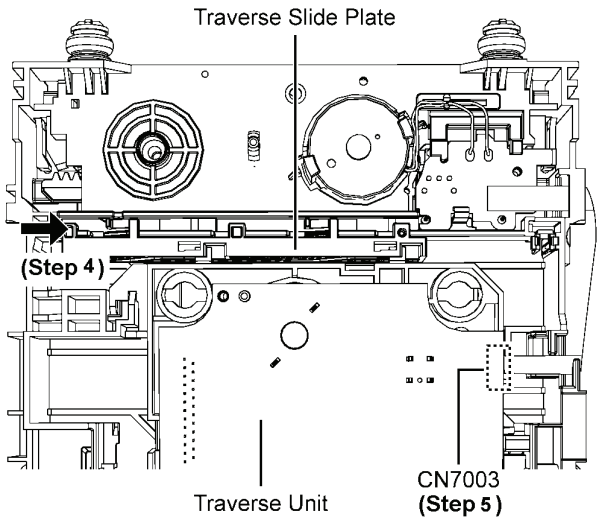


Step 3: Ensure the Traverse Unit seated properly onto the Groove..

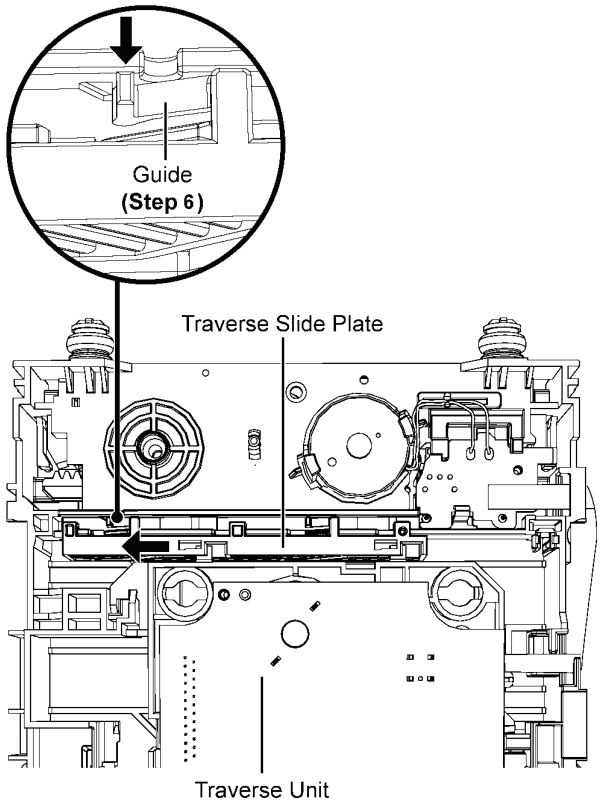


Step 4: Slide Traverse Slide Plate to lock the Traverse Unit as shown.

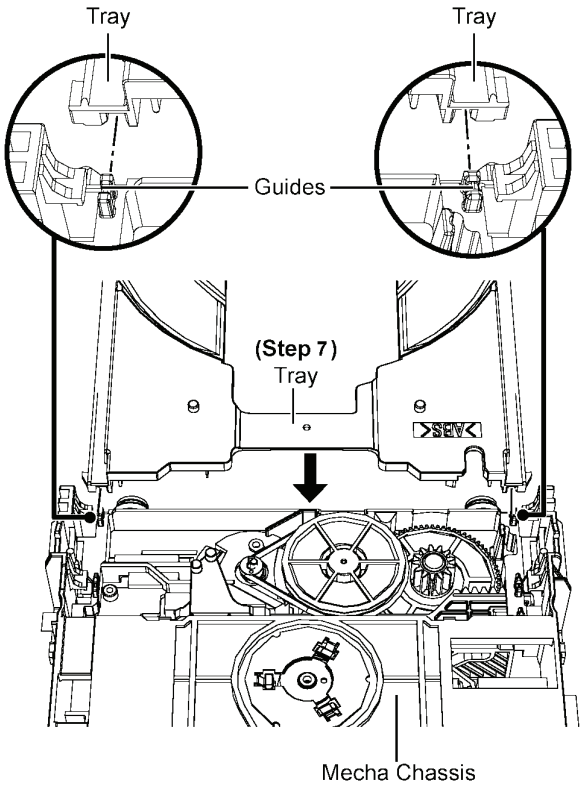
Step 5: Connect 5P FFC at the connector (CN7003) on CD Servo P.C.B..



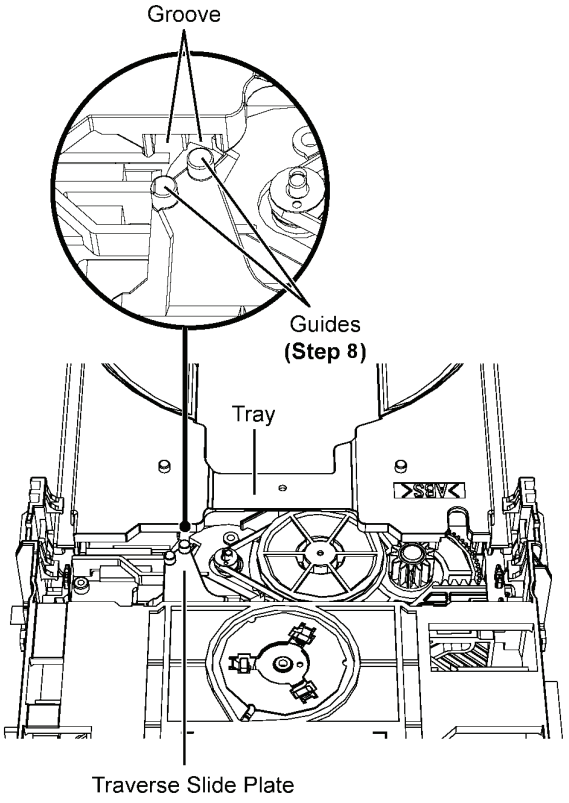
Step 6: Slide the Traverse Slide Plate unit it stop at the Guide..



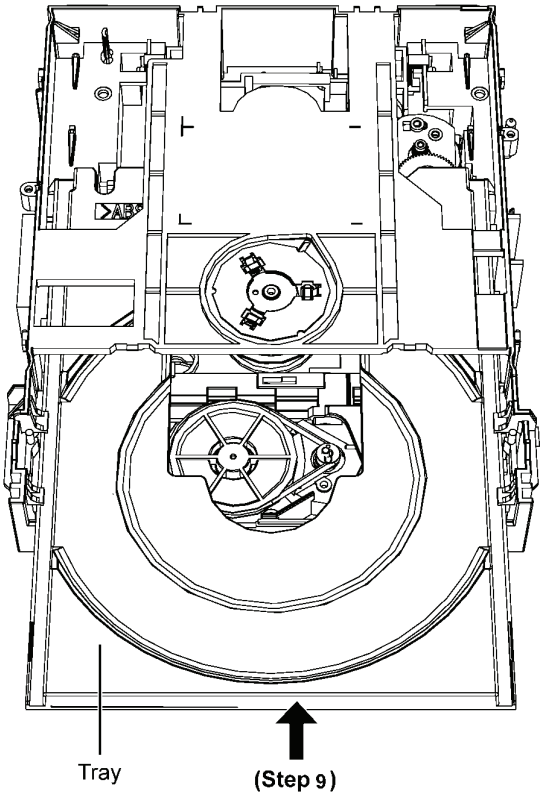
Step 7: Slot the Tray into the guides as Picture shown.



Step 8: Ensure the guides is align with the groove when sliding the tray in.



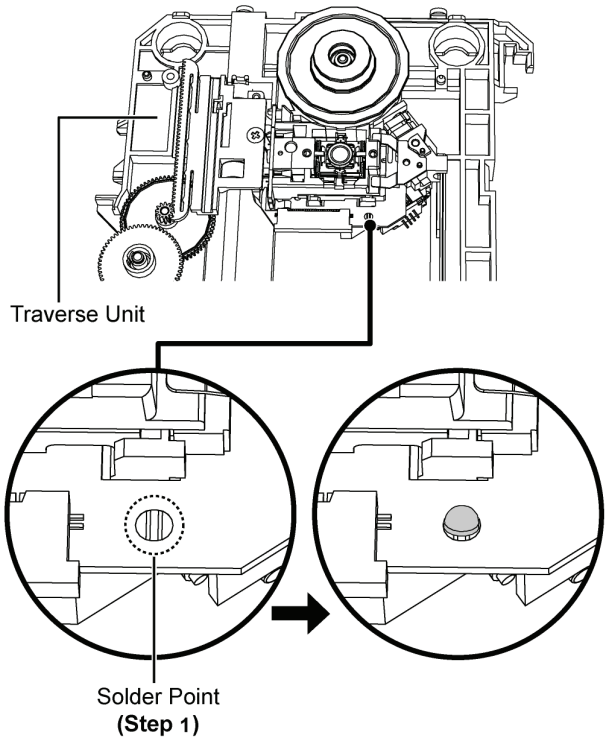
Step 9: Slide the tray in fully..



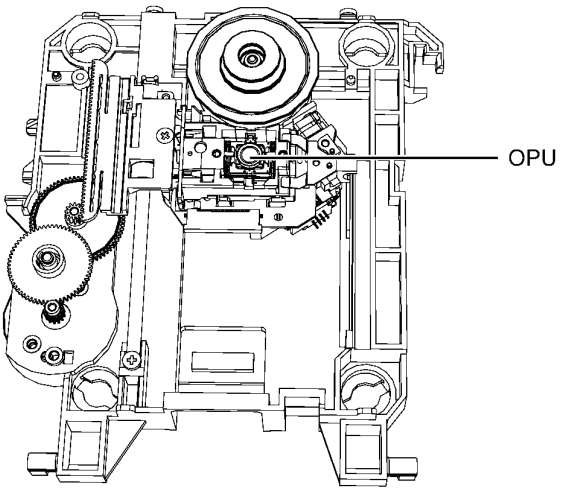
10.3. Disassembly of CD Servo P.C.B.

- **Refer to "Disassembly of CD Mechanism Unit (BRS1C)".**
- **Refer to "Replacement of Traverse Unit".**

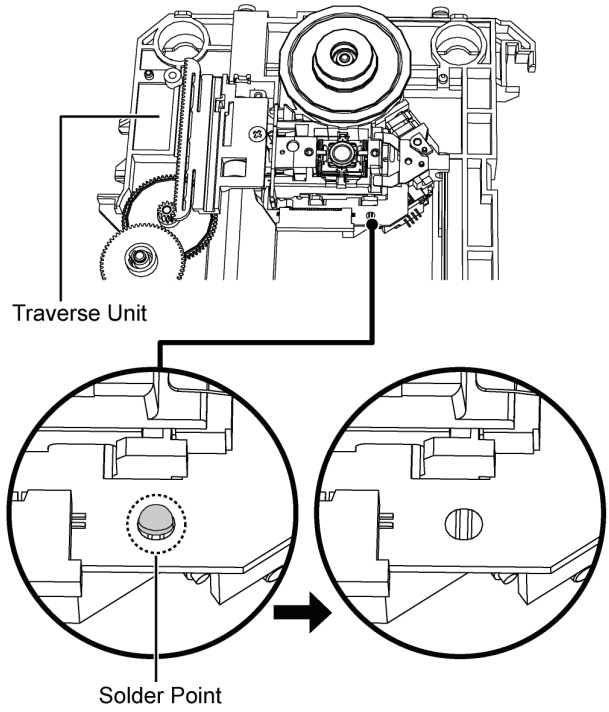
Caution: It is required to short the circuit.
Step 1: Solder the 3 solder points.



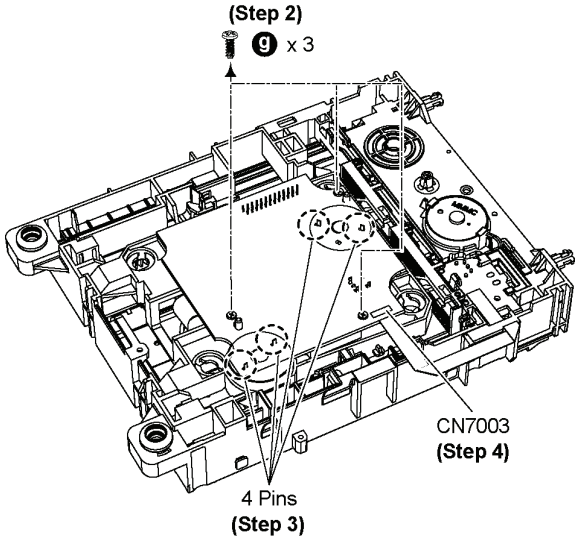
Caution 1: Avoid touching the surface of the Traverse Unit.



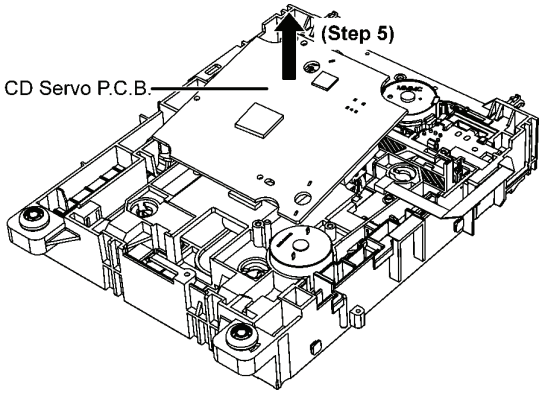
Caution 2: During assembling, desolder the solder points.



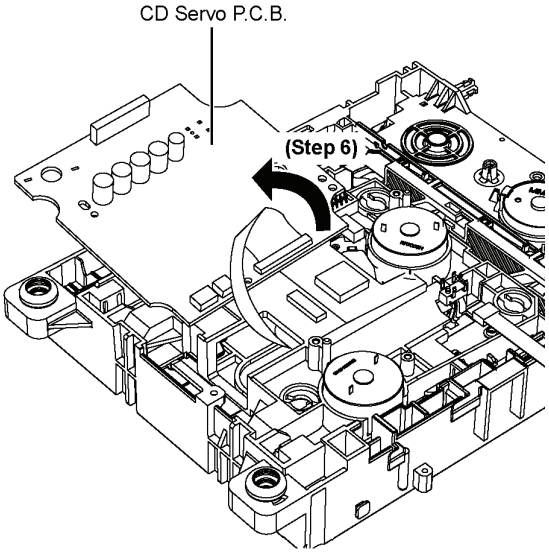
Step 2 Remove 3 screws.
Step 3 Desolder 4 pins.
Step 4 Detach 5P FFC at the connector (CN7003) on CD Servo P.C.B..



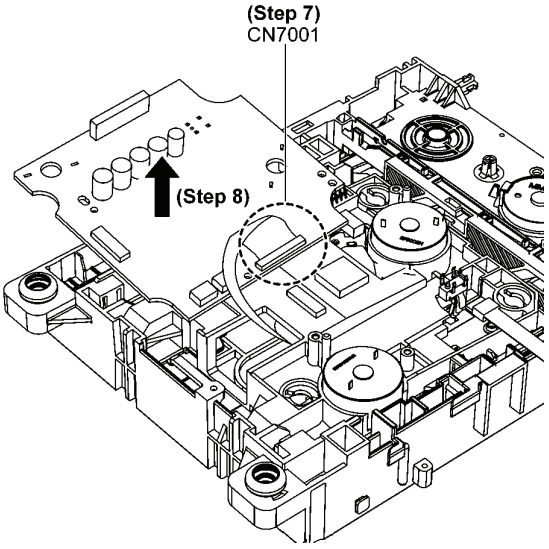
Step 5 Slightly lift up the CD Servo P.C.B.



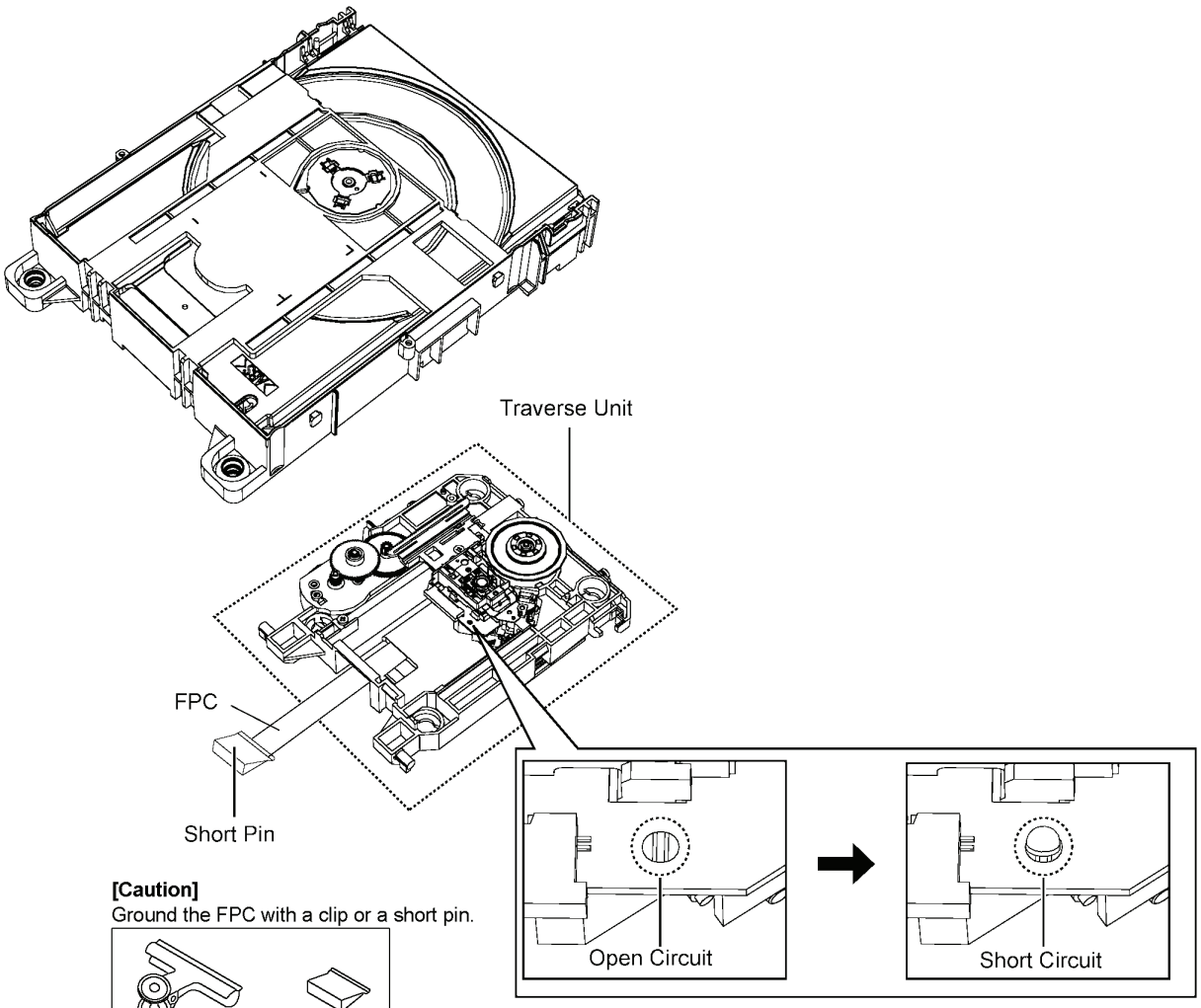
Step 6 Flip the CD Servo P.C.B.



Step 7 Detach 24P FPC at the connector (CN7001) on CD Servo P.C.B.
Step 8 Remove CD Servo P.C.B..



Step 9 Ground the 24P FFC with a short pin.



[Caution]
Ground the FPC with a clip or a short pin.

Clip or Short Pin

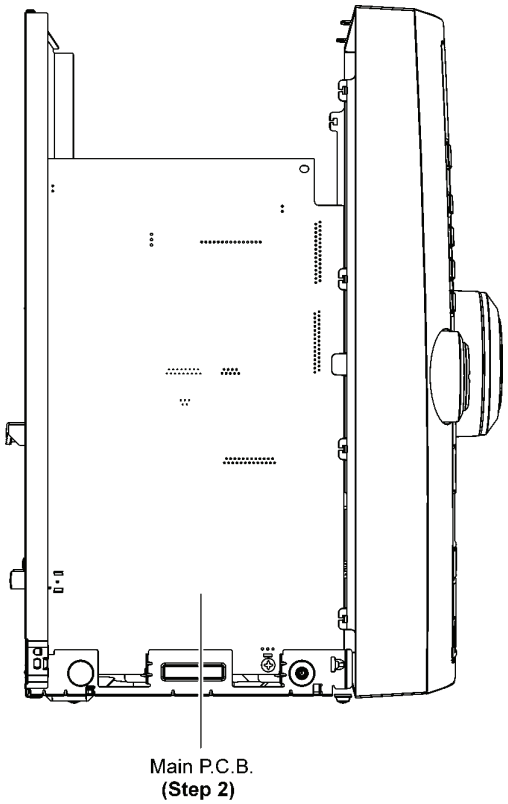
Figure A

11 Service Position

Note: For description of the disassembly procedures, see the Section 9.

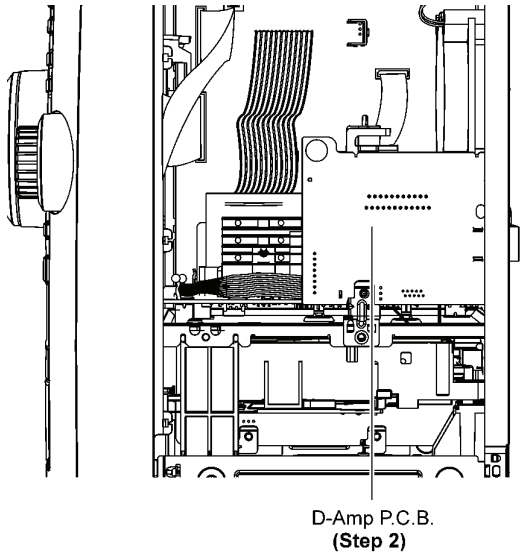
11.1. Checking and Repairing of Main P.C.B.

Step 1 Remove Top Cabinet.
Step 2 Main P.C.B. can be checked & repaired at its original position.



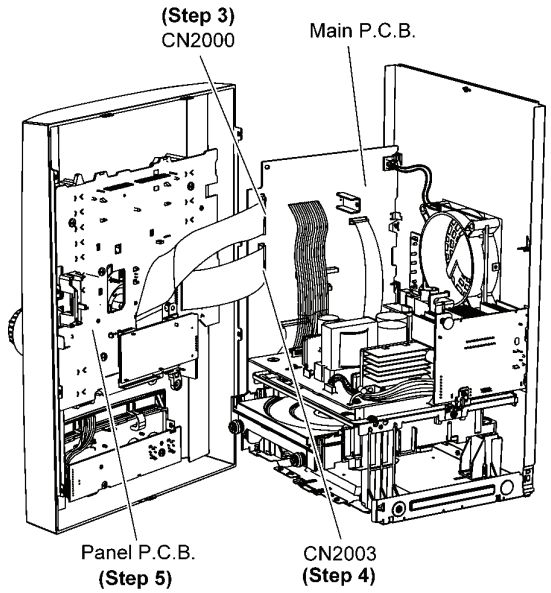
11.2. Checking and Repairing of D-Amp P.C.B.

Step 1 Remove Top Cabinet.
Step 2 D-Amp P.C.B. can be checked & repaired at its original position.



11.3. Checking and Repairing of Panel P.C.B.

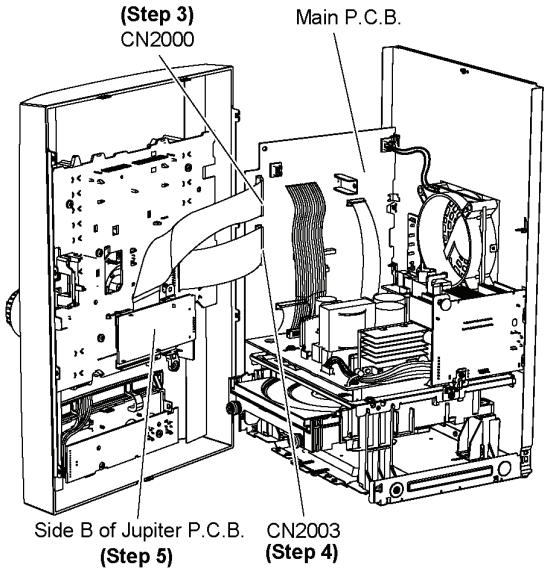
Step 1 Remove Top Cabinet.
Step 2 Remove Front Panel Unit.
Step 3 Attach 30P FFC to the connector (CN2000) on Main P.C.B..
Step 4 Attach 30P FFC to the connector (CN2003) on Main P.C.B..
Step 5 Panel P.C.B. can be checked and repaired as diagram shown.



11.4. Checking and Repairing of Jupiter P.C.B.

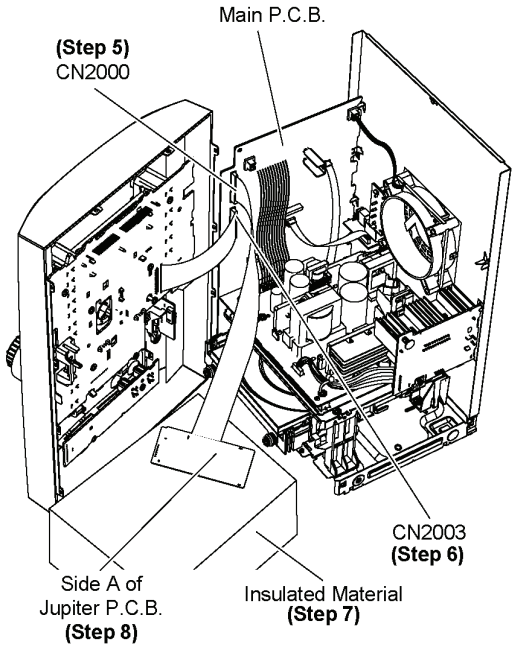
11.4.1. Checking and Repairing side B of Jupiter P.C.B.

Step 1 Remove Top Cabinet.
Step 2 Remove Front Panel Unit.
Step 3 Attach 30P FFC to the connector (CN2000) on Main P.C.B..
Step 4 Attach 30P FFC to the connector (CN2003) on Main P.C.B..
Step 5 Side B of Jupiter P.C.B. can be checked and repaired as diagram shown.



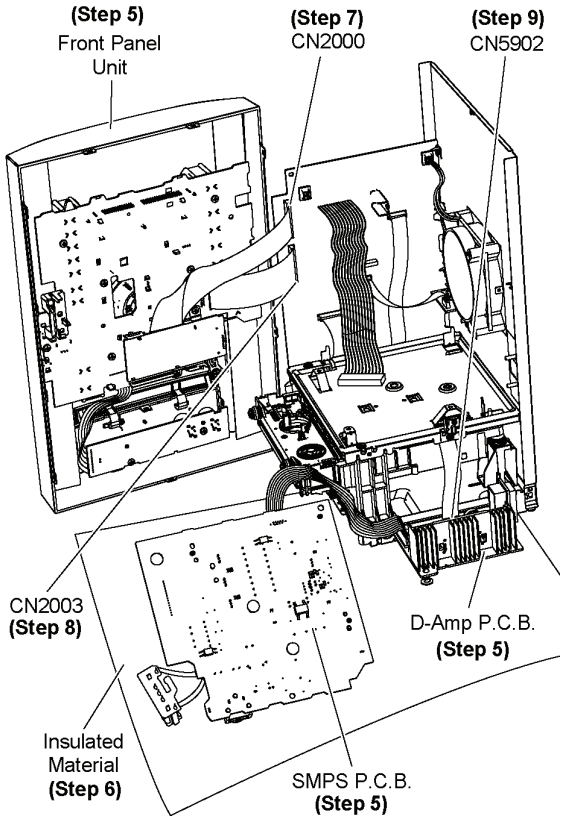
11.4.2. Checking and Repairing side A of Jupiter P.C.B.

Step 1 Remove Top Cabinet.
Step 2 Remove Front Panel Unit.
Step 3 Remove the Jupiter P.C.B.
Step 4 Position Front Panel Unit as shown.
Step 5 Attach 30P FFC to the connector (CN2000) on Main P.C.B.
Step 6 Attach 30P FFC to the connector (CN2003) on Main P.C.B..
Step 7 Position Jupiter P.C.B. on the insulated material.
Step 8 Side A of Jupiter P.C.B. can be checked & repaired as diagram shown.

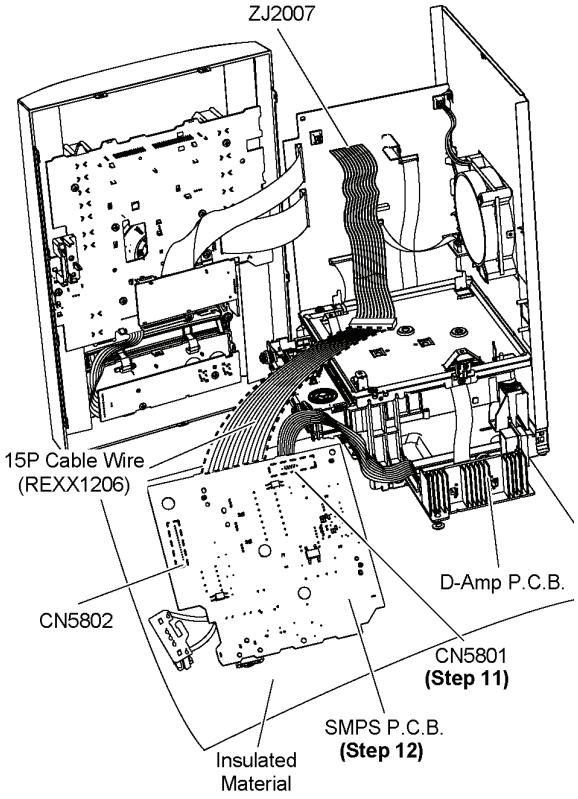


11.5. Checking and Repairing of SMPS P.C.B.

Step 1 Remove Top Cabinet.
Step 2 Remove Front Panel Unit.
Step 3 Remove D-Amp P.C.B..
Step 4 Remove SMPS P.C.B..
Step 5 Position Front Panel Unit, SMPS P.C.B. & D-Amp P.C.B. as diagram shown.
Step 6 Position SMPS P.C.B., D-Amp P.C.B. on the insulated material.
Step 7 Attach 30P FFC to the connector (CN2000) on Main P.C.B..
Step 8 Attach 30P FFC to the connector (CN2003) on Main P.C.B..
Step 9 Attach 12P FFC to the connector (CN5902) on D-Amp P.C.B..

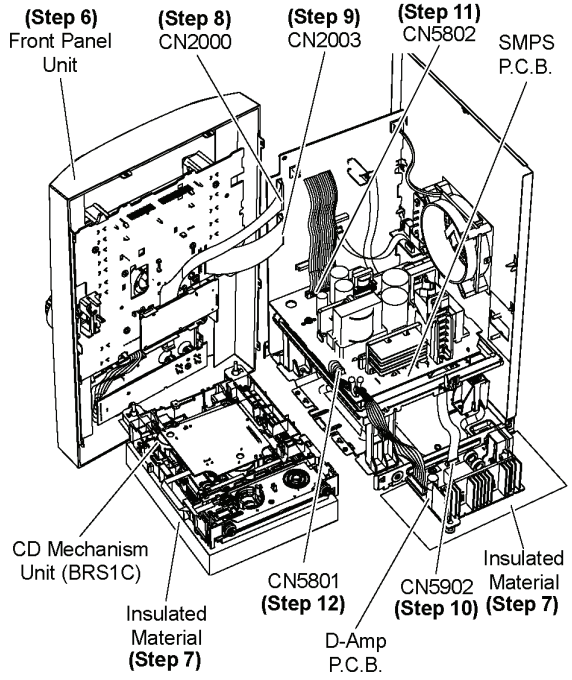


Step 10 Extend the Cable Wire with extension Cable Wire (REXX1206) (15P Cable Wire from ZJ2007 to CN5802).
Step 11 Connect 6P Cable Wire to the connector (CN5801) on SMPS P.C.B..
Step 12 SMPS P.C.B. can be checked & repaired as diagram shown.

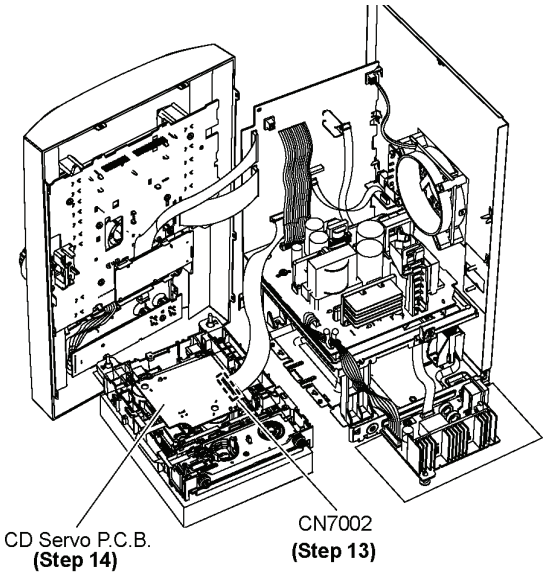


11.6. Checking and Repairing of CD Servo P.C.B.

Step 1 Remove Top Cabinet.
Step 2 Remove Front Panel Unit.
Step 3 Remove D-Amp P.C.B..
Step 4 Remove SMPS Chassis Unit.
Step 5 Remove CD Mechanism Unit (BRS1C).
Step 6 Position Front Panel Unit, SMPS Chassis Unit & D-Amp P.C.B. as diagram shown.
Step 7 Position CD Mechanism Unit (BRS1C) & D-Amp P.C.B. on the insulated materials.
Step 8 Attach 30P FFC to the connector (CN2000) on Main P.C.B..
Step 9 Attach 30P FFC to the connector (CN2003) on Main P.C.B..
Step 10 Attach 12P FFC to the connector (CN5902) on D-Amp P.C.B..
Step 11 Attach 15P Cable Wire to the connector (CN5802) on SMPS P.C.B..
Step 12 Attach 6P Cable Wire to the connector (CN5801) on SMPS P.C.B..



Step 13 Attach 27P FFC to the connector (CN7002) on CD Servo P.C.B..
Step 14 CD Servo P.C.B. can be checked and repaired as diagram shown.



12 Voltage & Waveform Chart

Note:

- Indication Voltage Values are in standard values for the unit measured by the DC electronic circuit tester (high-impedance) with the chassis taken as standard.
  Therefore, there may exist some errors in voltage values, depending on the internal impedance of the DC circuit tester.
- Circuit voltage and waveform described herein shall be regarded as reference information when probing defect point because it may differ from actual measuring value due to difference of Measuring instrument and its measuring condition and product itself.

12.1. CD Servo P.C.B.

REF NO.	IC7002																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	1.6	0	0	1.6	3.3	3.3	3.2	7.5	2.0	2.0	3.9	3.9	2.7	2.5	2.8	2.5	1.1	3.8	5.1	0

REF NO.	IC7002																			
MODE	21	22	23	24	25	26	27	28	29	30										
CD PLAY	1.5	0	1.1	0	0	1.6	1.6	3.2	0	0										

REF NO.	Q7601																			
MODE	E	C	B																	
CD PLAY	3.1	2.0	2.4																	

SA-AKX32 CD SERVO P.C.B.

12.2. Main P.C.B. (1/3)

REF NO.	IC2003																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
POWER ON	0	3.3	3.3	0.1	3.3	0	0	0	3.3	3.3	0	1.5	1.6	0	1.1	1.7	3.3	1.8	3.2	3.2
STANDBY	0	3.3	3.3	0.1	3.3	0	0	0	3.3	3.3	0	1.5	1.6	0	1.1	1.7	3.3	1.8	3.2	3.2

REF NO.	IC2003																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
POWER ON	3.2	3.2	3.3	0	3.0	0	1.9	3.3	0	3.3	0	0	0	0	0	1.7	1.8	0	0	0
STANDBY	3.2	3.2	3.3	0	3.0	0	1.9	3.3	0	3.3	0	0	0	0	0	1.7	1.8	0	0	0

REF NO.	IC2003																			
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
POWER ON	0	0	0	0	0	3.3	3.3	3.3	0	0	0.3	3.3	3.3	0	0	0	0	0	0	0
STANDBY	0	0	0	0	0	3.3	3.3	3.3	0	0	0.3	3.3	3.3	0	0	0	0	0	0	0

REF NO.	IC2003																			
MODE	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
POWER ON	0	0	0	0	0	0	0	0	3.3	0	0	0	3.3	3.3	3.3	3.3	3.3	3.3	0	0
STANDBY	0	0	0	0	0	0	0	0	3.3	0	0	0	3.3	3.3	3.3	3.3	3.3	3.3	0	0

REF NO.	IC2003																			
MODE	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
POWER ON	0	3.3	3.3	0	0	3.3	3.3	3.3	3.3	0	0	0	0.6	0.9	3.3	0	0.9	3.3	2.6	3.3
STANDBY	0	3.3	3.3	0	0	3.3	3.3	3.3	3.3	0	0	0	0.6	0.9	3.3	0	0.9	3.3	2.6	3.3

REF NO.	IC2006																			
MODE	1	2	3	4	5	6	7	8												
POWER ON	0	0	0	0	0	0	0	3.3												
STANDBY	0	0	0	0	0	0	0	3.3												

REF NO.	IC2010																			
MODE	1	2	3																	
POWER ON	16.0	0	12.2																	
STANDBY	16.0	0	12.2																	

REF NO.	IC2011																			
MODE	1	2	3	4	5															
POWER ON	16.0	5.3	0	1.0	2.5															
STANDBY	16.0	5.3	0	1.0	2.5															

REF NO.	IC2012																			
MODE	1	2	3	4	5	6	7	8												
POWER ON	12.7	3.2	3.2	0	0	0	0	16.5												
STANDBY	12.7	3.2	3.2	0	0	0	0	16.5												

REF NO.	Q2002				Q2003				Q2011				Q2014				Q2015			
MODE	E	C	B		E	C	B		E	C	B		E	C	B		E	C	B	
POWER ON	0	1.0	0.7		0	3.3	0		0	3.2	0		0	0	3.1		3.2	3.2	2.5	
STANDBY	0	1.0	0.7		0	3.3	0		0	3.2	0		0	0	3.1		3.2	3.2	2.5	

12.3. Main P.C.B. (2/2)

REF NO.	Q2020				Q2021				Q2022				Q2023				Q2033			
MODE	E	C	B		E	C	B		E	C	B		E	C	B		E	C	B	
POWER ON	3.4	5.2	4.3		0	5.9	0		7.5	12.0	8.1		16.1	0	16.1		16.4	16.5	11.6	
TUNER	3.4	5.2	4.3		0	5.9	0		7.5	12.0	8.1		16.1	0	16.1		16.4	16.5	11.6	

REF NO.	QR2005				QR2006															
MODE	E	C	B		E	C	B													
POWER ON	0	3.2	0		0	3.2	0													
TUNER	0	3.2	0		0	3.2	0													

REF NO.	IC2000																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	0	4.2	2.3	4.4	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.6	4.6	4.6	4.6	0	3.2	3.3
STANDBY	0	4.4	2.3	4.4	4.5	4.5	4.4	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	0	3.2	3.3

REF NO.	IC2000																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
CD PLAY	9.0	4.6	4.5	4.6	0.8	4.6	4.6	4.6	4.6	4.6	4.5	4.5	4.5	4.5	4.5	4.4	2.3	4.5	0	0
STANDBY	9.1	4.6	4.6	4.6	0.7	4.5	4.4	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	2.3	4.6	0	0

REF NO.	IC2000																			
MODE	41	42	43	44	45	46	47	48	49	50	51	52								
CD PLAY	0	4.4	0	4.5	4.4	4.5	4.4	0	0	4.4	0	0								
STANDBY	0	4.6	0	4.6	4.6	4.6	4.6	0	0	4.6	0	0								

REF NO.	IC2005																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	6.0	6.0	6.0	0	6.0	6.0	6.0	11.9												
STANDBY	6.0	6.0	6.0	0	6.0	6.0	6.0	11.9												

REF NO.	IC2007																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	7.6	7.6	7.6	0	7.5	7.6	7.6	11.9												
STANDBY	7.6	7.6	7.6	0	7.5	7.6	7.6	11.9												

REF NO.	Q2001				Q2012							Q2013								
MODE	E	C	B		1	2	3	4	5	6		1	2	3	4	5	6			
CD PLAY	0	0	0		0	0.7	0	0	0.7	0		0	0.7	0	0	0.7	0			
STANDBY	0	0	0		0	0.7	0	0	0.7	0		0	0.7	0	0	0.7	0			

REF NO.	Q2018				Q2019				Q2035				Q2037				Q2038			
MODE	E	C	B		E	C	B		E	C	B		E	C	B		E	C	B	
CD PLAY	0.1	3.3	0		4.4	5.2	5.0		7.3	8.5	7.6		0	2.9	0		0	0.8	0.6	
STANDBY	0.1	3.3	0		4.4	5.2	5.0		7.4	8.6	7.7		0	2.9	0		0	0.8	0.6	

REF NO.	Q2039				Q2040				Q2041				Q2042				Q2050			
MODE	E	C	B		E	C	B		E	C	B		E	C	B		E	C	B	
CD PLAY	0.7	0	0.1		0	4.1	0		0	4.1	0		0	0	0		0.8	0	0.2	
STANDBY	0.7	0	0.1		0	4.1	0		0	4.1	0		0	0	0		0.8	0	0.2	

SA-AKX32 MAIN P.C.B.

12.4. Main P.C.B. (3/3)

REF NO.	QR2002				QR2003				QR2004											
MODE	E	C	B		E	C	B		E	C	B									
CD PLAY	1.5	1.4	0		0	3.3	0		0	5.0	0									
STANDBY	1.5	1.4	0		0	3.3	0		0	5.0	0									

SA-AKX32 MAIN P.C.B.

12.5. Panel P.C.B.

REF NO.	IC6001																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
POWER ON	0.1	0.1	0.1	0.1	2.0	0.8	0	3.4	3.4	0.1	0.1	0.1	3.5	-14.4	-14.3	-18.2	-22.1	-20.2	-22.1	-18.2
STANDBY	0.1	0.1	0.1	0.1	2.0	1.1	0	3.4	3.4	0.1	0.1	0	3.5	-12.5	-16.3	-14.3	-22.1	-20.2	-22.1	-12.4

REF NO.	IC6001																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
POWER ON	-12.4	-22.1	-22.1	-20.1	-14.2	-22.1	-18.2	-22.1	-24.1	-24.6	-22.5	-22.4	-22.4	-22.4	-22.4	-22.4	-22.4	-22.4	-22.4	-22.4
STANDBY	-12.4	-22.1	-22.1	-20.1	-12.2	-20.1	-13.3	-22.1	-24.1	-24.6	-22.5	-22.4	-22.4	-22.4	-22.4	-22.4	-22.4	-22.4	-22.4	-22.4

REF NO.	IC6001																			
MODE	41	42	43	44																
POWER ON	-22.4	-22.4	3.5	0.1																
STANDBY	-22.4	-22.4	3.5	0.1																

REF NO.	Q6005																			
MODE	E	C	B																	
POWER ON	0	16.5	0																	
STANDBY	0	16.7	0																	

SA-AKX32 PANEL P.C.B.

12.6. Tuner P.C.B.

REF NO.	IC52																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
TUNER	0	1.5	0	3.0	0	0	0	3.3	3.3	3.3	3.3	0	1.4	0.3	0	0	3.3	0	0	0

SA-AKX32 TUNER P.C.B.

12.7. Jupiter P.C.B. (1/3)

REF NO.	IC503																			
MODE	1	2	3	4	5															
CD PLAY	5.2	0	0	0	5.0															
STANDBY	5.2	0	0	0	5.0															

REF NO.	IC551																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
CD PLAY	0	0	0	2.6	0	5.2	3.4	0	1.3	1.7	1.7	1.7	3.3	3.4	0	0				
STANDBY	0	0	0	2.6	0	5.2	3.4	0	1.3	1.7	1.7	1.7	3.3	3.4	0	0				

REF NO.	IC552																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
CD PLAY	1.7	1.7	0.9	1.7	3.3	0	0	5.2	5.2	0	0	2.6	0	5.2	0	0				
STANDBY	1.7	1.7	0.9	1.7	3.3	0	0	5.2	5.2	0	0	2.6	0	5.2	0	0				

REF NO.	IC701																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	0	0	0	0	0	0	0	0	0	0	3.4	3.4	0	3.4	0	0	0	0	0	0
STANDBY	0	0	0	0	0	0	0	0	0	0	3.4	3.4	0	3.4	0	0	0	0	0	0

REF NO.	IC701																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
CD PLAY	0	0	0	0	0	3.4	0	3.4	3.4	0.7	3.4	0.7	3.4	0.7	3.4	0	3.4	3.4	0	3.4
STANDBY	0	0	0	0	0	3.4	0	3.4	3.4	0.5	3.4	0.7	3.4	0.7	3.4	0	3.4	3.4	0	3.4

REF NO.	IC701																			
MODE	41	42	43	44	45	46	47	48												
CD PLAY	0	3.4	0	3.4	0	0	0	0												
STANDBY	0	3.4	0	3.4	0	0	0	0												

REF NO.	IC751																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	3.4	1.5	3.4	1.5	1.5	0	1.5	1.6	3.4	1.4	1.7	0	1.4	3.4	3.3	3.4	3.4	3.4	3.4	0.1
STANDBY	3.4	1.5	3.4	1.5	1.5	0	1.5	1.6	3.4	1.4	1.7	0	1.4	3.4	3.3	3.4	3.4	3.4	3.4	0.1

REF NO.	IC751																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
CD PLAY	0.4	0	0	0	0	0	3.4	0	0	0	0	0	0	0	0	0	3.4	1.6	3.3	0
STANDBY	0.4	0	0	0	0	0	3.4	0	0	0	0	0	0	0	0	0	3.4	1.6	3.3	0

REF NO.	IC751																			
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54						
CD PLAY	0	1.3	3.4	1.4	1.4	0	1.4	1.7	3.4	1.4	1.7	0	1.4	0						
STANDBY	0	1.3	3.4	1.4	1.4	0	1.4	1.7	3.4	1.4	1.7	0	1.4	0						

REF NO.	IC801																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	0	0	0	0	0	3.4	0	0	0	0	0	0	3.4	0	0	0	0	0	3.4	1.6
STANDBY	0	0	0	0	0	3.4	0	0	0	0	0	0	3.4	0	0	0	0	0	3.4	1.6

SA-AKX32 JUPITER P.C.B.

12.8. Jupiter P.C.B. (2/3)

REF NO.	IC801																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
CD PLAY	1.6	1.2	3.4	0	3.4	3.4	3.4	3.3	3.4	0	3.4	3.3	3.4	1.4	1.5	1.4	1.4	0	1.4	1.4
STANDBY	1.6	1.2	3.4	0	3.4	3.4	3.4	3.3	3.4	0	3.4	3.3	3.4	1.4	1.5	1.4	1.4	0	1.4	1.4

REF NO.	IC801																			
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
CD PLAY	1.4	1.3	1.2	3.4	1.4	1.5	1.4	1.5	0	1.4	1.4	1.4	1.4	3.4	3.4	0	0	3.4	0	0
STANDBY	1.4	1.3	1.2	3.4	1.4	1.5	1.4	1.5	0	1.4	1.4	1.4	1.4	3.4	3.4	0	0	3.4	0	0

REF NO.	IC801																			
MODE	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
CD PLAY	0	1.7	0	0	0	0	3.4	0	3.4	3.4	3.3	3.4	3.4	1.2	3.4	3.3	3.4	3.4	0.4	3.4
STANDBY	0	1.7	0	0	0	0	3.4	0	3.4	3.4	3.3	3.4	3.4	1.2	3.4	3.3	3.4	3.4	0.4	3.4

REF NO.	IC801																			
MODE	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
CD PLAY	0	3.3	3.4	3.4	0.9	0	0	0	0	0	0	0	0	0	3.4	0	1.2	0.3	0	0
STANDBY	0	3.3	3.4	3.4	0.9	0	0	0	0	0	0	0	0	0	3.4	0	1.2	0.3	0	0

REF NO.	IC801																			
MODE	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
CD PLAY	0	3.4	0	0	0	0	0	0	0	0	3.1	2.9	3.4	0	1.7	0	1.7	0.5	1.7	1.2
STANDBY	0	3.4	0	0	0	0	0	0	0	0	3.1	2.9	3.4	0	1.7	0	1.7	0.5	1.7	1.2

REF NO.	IC801																			
MODE	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140
CD PLAY	0.2	0	0	0	0	1.3	3.4	3.4	3.4	3.4	1.2	3.4	3.4	0	3.4	3.4	3.4	0	0	3.4
STANDBY	0.2	0	0	0	0	1.3	3.4	3.4	3.4	3.4	1.2	3.4	3.4	0	3.4	3.4	3.4	0	0	3.4

REF NO.	IC801																			
MODE	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160
CD PLAY	0	0	0	0	0	1.2	0	0	0	3.4	3.4	3.4	3.4	0	0	0	0	0	0	0
STANDBY	0	0	0	0	0	1.2	0	0	0	3.4	3.4	3.4	3.4	0	0	0	0	0	0	0

REF NO.	IC801																			
MODE	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180
CD PLAY	0	0	0	0	0	3.4	1.2	0	0	0	0	0	3.4	3.4	3.4	3.4	3.4	3.4	0	0
STANDBY	0	0	0	0	0	3.4	1.2	0	0	0	0	0	3.4	3.4	3.4	3.4	3.4	3.4	0	0

REF NO.	IC801																			
MODE	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200
CD PLAY	3.4	0	0	1.2	3.4	3.4	3.4	3.4	3.4	0	0	3.4	3.4	3.4	3.4	3.4	3.4	0	3.4	3.4
STANDBY	3.4	0	0	1.2	3.4	3.4	3.4	3.4	3.4	0	0	3.4	3.4	3.4	3.4	3.4	3.4	0	3.4	3.4

REF NO.	IC801																			
MODE	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216				
CD PLAY	0	1.2	1.6	1.6	0	1.2	0	0	0	3.4	0	0	1.2	0	0	3.4				
STANDBY	0	1.2	1.6	1.6	0	1.2	0	0	0	3.4	0	0	1.2	0	0	3.4				

SA-AKX32 JUPITER P.C.B.

12.9. Jupiter P.C.B. (3/3)

REF NO.	IC802																			
MODE	1	2	3	4	5															
CD PLAY	3.0	0	0	0	1.2															
STANDBY	3.0	0	0	3.0	1.2															

REF NO.	Q801																			
MODE	E	C	B																	
CD PLAY	0	3.9	0																	
STANDBY	0	3.9	0																	

SA-AKX32 JUPITER P.C.B.

12.10. D-Amp P.C.B.

REF NO.	IC5900																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	2.5	7.7	0	35.1	0	-35.1	-26.7	35.4	8.9	16.8	-35.3	-25.3	-35.3	17.0	8.9	35.4	-35.1	-35.1	0	35.0
STANDBY	2.5	7.7	0	35.1	0	-35.1	-26.7	35.4	8.9	16.8	-35.3	-25.3	-35.3	17.0	8.9	35.4	-35.1	-35.1	0	35.0

REF NO.	IC5900																			
MODE	21	22	23																	
CD PLAY	7.7	0	0																	
STANDBY	7.7	0	0																	

REF NO.	Q5901				Q5902				Q5903				Q5905				Q5906			
MODE	E	C	B		E	C	B		E	C	B		E	C	B		E	C	B	
CD PLAY	-35.0	2.5	-35.1		5.0	0	4.6		0	4.6	0.6		0	0	3.3		0	3.3	0	
STANDBY	-35.0	2.5	-35.1		5.0	0	4.6		0	4.6	0.6		0	0	3.3		0	3.3	0	

REF NO.	Q5907				QR5900				QR5901											
MODE	E	C	B		E	C	B		E	C	B									
CD PLAY	0	3.3	0		0	0	3.3		5.2	-34.6	5.2									
STANDBY	0	3.3	0		0	5.2	0		5.2	-34.6	5.2									

SA-AKX32 D-AMP P.C.B.

12.11. SMPS P.C.B.

REF NO.	IC5701																			
MODE	1	2	3	4	5	6	7													
POWER ON	164.8	0	0	19.1	0.1	1.4	0.5													
STANDBY	164.8	0	0	19.1	0.1	1.4	0.5													

REF NO.	IC5799																			
MODE	1	2	3	4	5	6	7	8												
POWER ON	5.9	1.0	2.3	11.0	164.2	0	0	0												
STANDBY	5.9	1.0	2.3	11.0	164.2	0	0	0												

REF NO.	IC5801																			
MODE	1	2	3																	
POWER ON	2.4	2.0	-30.0																	
STANDBY	2.4	2.0	-30.0																	

REF NO.	IC5899																			
MODE	1	2	3																	
POWER ON	1.2	0	0																	
STANDBY	1.2	0	0																	

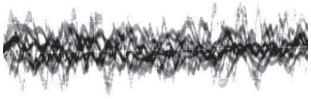
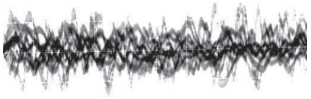
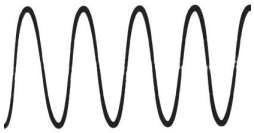
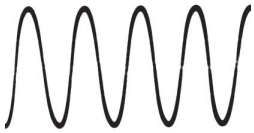
REF NO.	Q5720				Q5721				Q5722				Q5860				Q5861			
MODE	E	C	B		E	C	B		E	C	B		E	C	B		E	C	B	
POWER ON	7.3	8.5	7.6		19.7	19.7	19.0		0	19.6	0.2		0	35.2	0		1.3	0	0.7	
STANDBY	7.4	8.6	7.7		19.7	19.7	19.0		0	19.6	0.2		0	35.2	0		1.3	0	0.7	

REF NO.	Q5862				Q5898				Q5899				QR5801				QR5802			
MODE	E	C	B		E	C	B		E	C	B		E	C	B		E	C	B	
POWER ON	0	0	0.7		0	1.9	0		0	2.1	0.4		0	3.1	-3.0		0	3.3	6.6	
STANDBY	0	3.3	0		0	1.9	0		0	2.1	0.4		0	3.1	-2.9		0	3.3	6.6	

REF NO.	QR5810				QR5811				QR5812											
MODE	E	C	B		E	C	B		E	C	B									
POWER ON	0	0.1	3.1		0	5.2	0		5.2	-34.5	5.2									
STANDBY	0	0.1	3.1		0	5.2	0		5.2	-34.6	5.2									

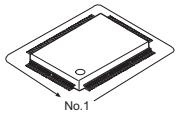
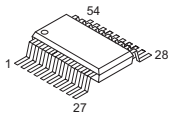
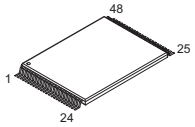
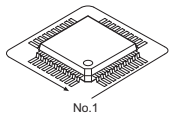
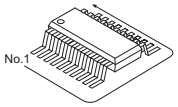
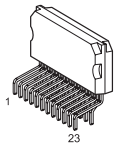
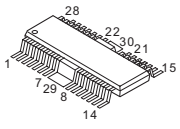
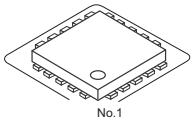
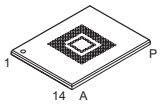
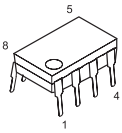
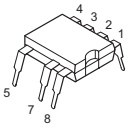
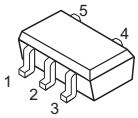
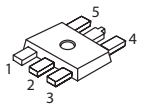
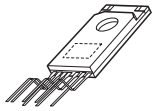
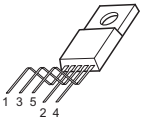
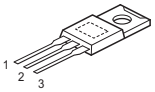
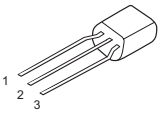
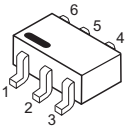
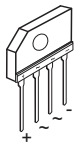
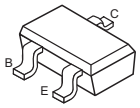
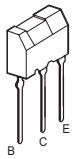
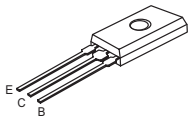
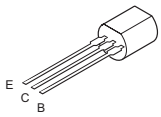
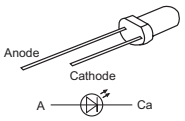
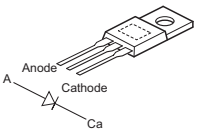
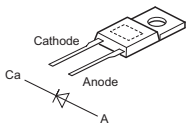
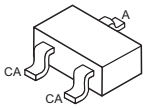
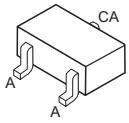
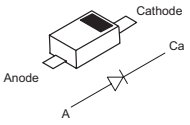
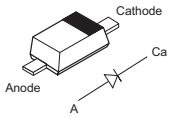
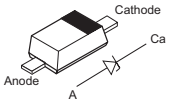
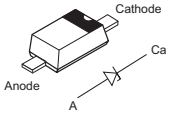
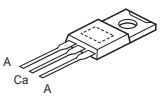
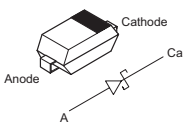
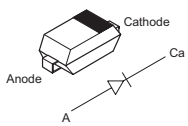
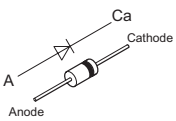
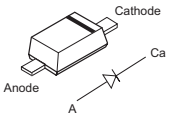
SA-AKX32 SMPS P.C.B.

12.12. Waveform Table

WF No. IC52-2,13,14 (TUNER)  0.1Vp-p(200usec/div)	WF No. IC2000-2,38 (PLAY)  4Vp-p(200usec/div)	WF No. IC2000-3,37 (TUNER)  0.2Vp-p(200usec/div)	WF No. IC2000-4,36 (PLAY)  1.3Vp-p(200usec/div)
WF No. IC2000-17,22 (PLAY)  2Vp-p(200usec/div)	WF No. IC2000-44,47 (PLAY)  2.4Vp-p(200usec/div)	WF No. IC2003-12 (PLAY)  3.6Vp-p(50nsec/div)	WF No. IC2003-13 (PLAY)  2.2Vp-p(50nsec/div)
WF No. IC2003-15 (PLAY)  1.4Vp-p(5usec/div)	WF No. IC2003-16 (PLAY)  2.8Vp-p(5usec/div)	WF No. IC5900-2,21 (PLAY)  1.9Vp-p(200usec/div)	WF No. IC5900-10,14 (PLAY)  100Vp-p(1usec/div)
WF No. IC6000-5 (PLAY)  1.5Vp-p(1usec/div)			

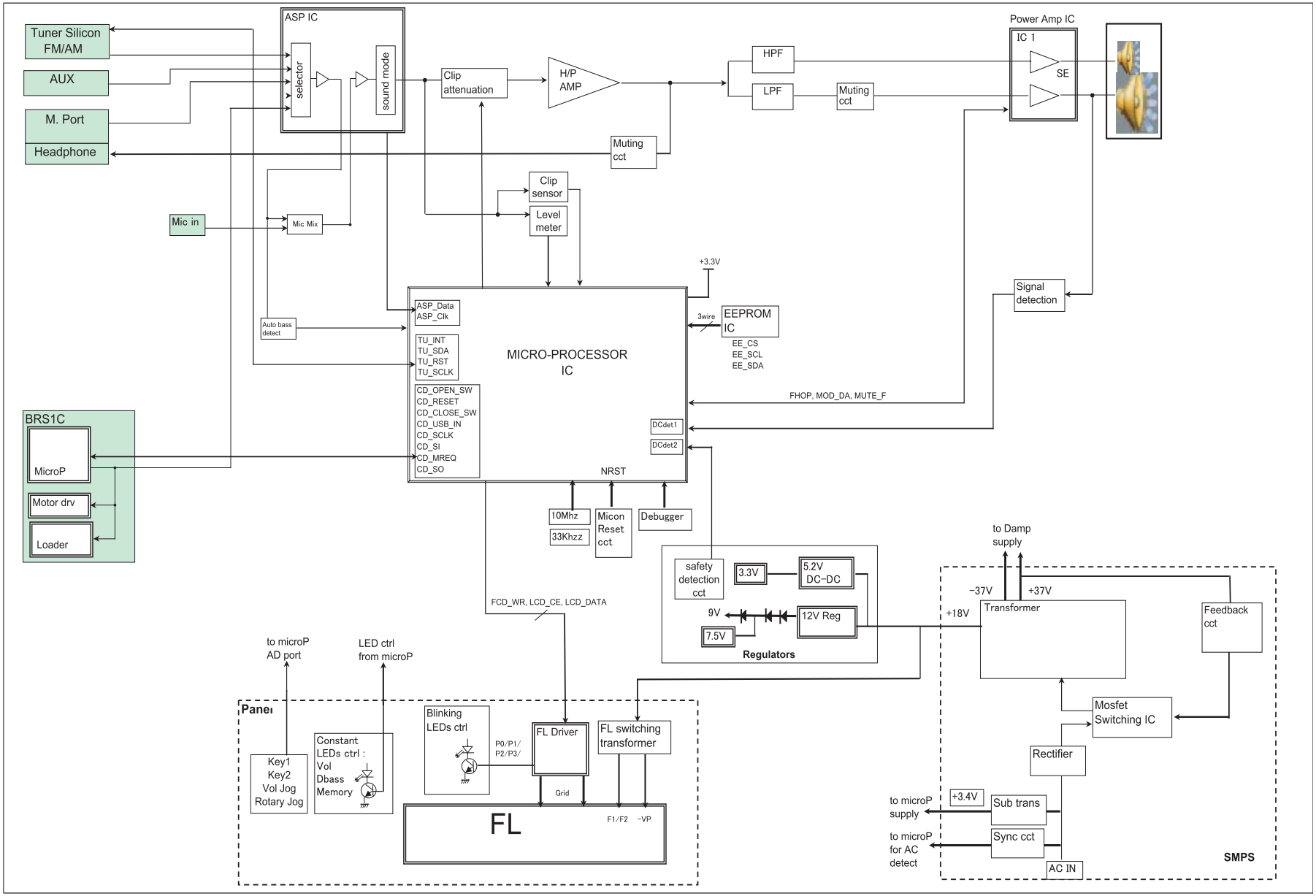
13 Illustration of ICs, Transistor and Diode

***** Este material se encuentra sin programar, debe ser programado.

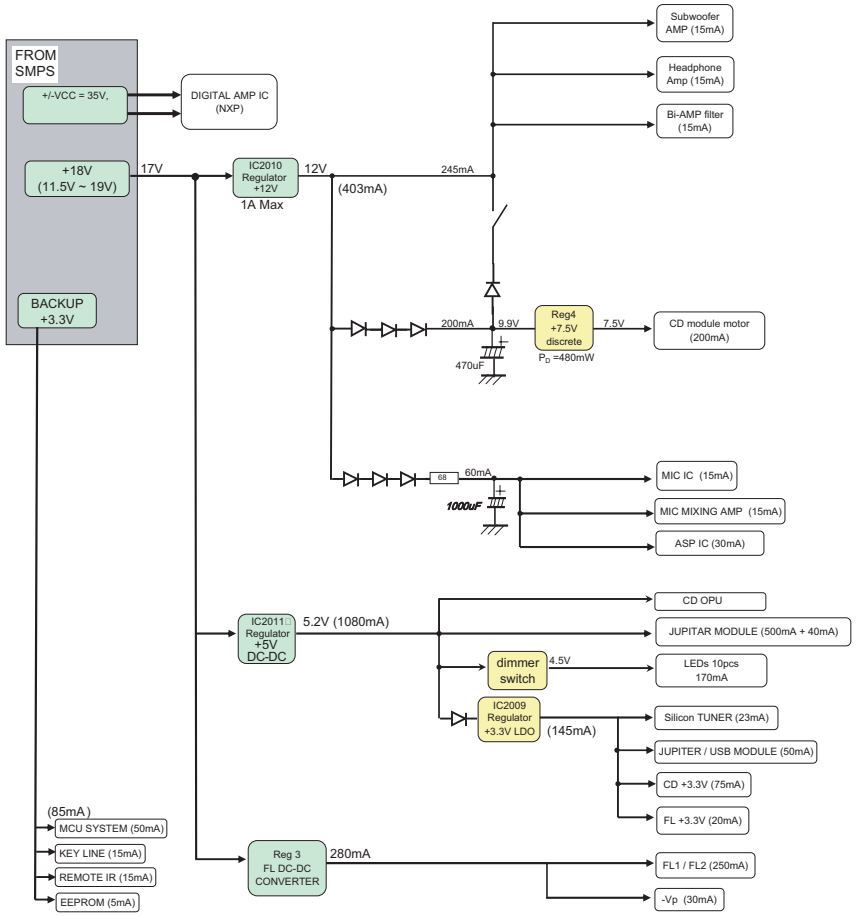
*MN101EF16KXW (100P) 	C3ABQY000058 (64P) C0ABBA000159 (8P) 	RFKWFAKX32J0 (48P) 		MN2WS0042NA (216P) C0HBB0000057 (44P) C1AB00003256 (52P) MN6627553PA (80P)	C0ABBB000230 (8P) C3EBFY000006 (8P) C0FBAK000026 (16P) C0FBBY000027 (16P) 
C1BA00000497 (23P) 	C0GBY0000117 	C1AB00003202 (20P) 	C3FBXY000026 	C0AABB000125 (8P) 	MIP2F20MSSCF (8P) 
C0DBZHE00026 	C0DBZYY00293 	C5HACYY00004 (7P) C5HACYY00005 (7P) 	C0DAAYG00001 (5P) 	C0CAAKG00046 	C0DABFC00002 C0DAEMZ00001 
B1GFGCAA0001 	B0FBAR000043 	B1ABEB000002 B1ABCF000176 B1ABGC000001 	B1ABGC000005 B1ADCE000012 B1ADCF000001 B1GBCFGN0016 B1GBCFJJ0051 B1GBCFLL0037 B1GDCFGA0018 B1GDCFJJ0047 B1ABGC000001 B1ABGC000005	B1BABK000001 	B1BABG000007 B1BACD000018 
B1AAJC000019 B1ACKD000006 	B3AAA0001031 	B0ZAZ0000052 	B0HFRJ000012 	B0ADCJ000020 	B1GBCFJN0038 
B0ECET000002 	 B0ACCK000012 B0ACCK000005 B0JCCD000002 B0JCMD000022		B0BC018A0267 B0BC5R6A0266 B0BC8R100004 		B0BC010A0007 B0BC019A0007 B0BC035A0007 B0BC2R4A0006 B0BC6R100010 B0BC9R000008
B0ABSM000008 	B0JCPD000025 	B0ECKM000016 B0HCSP000001 		B0EAKM000117 B0EAMM000057 B0HAMP000094 B0JAME000114	DZ2J24000L DZ2J033M0L DZ2J043M0L 

14 Simplified Block Diagram

14.1. Overall Simplified Block Diagram



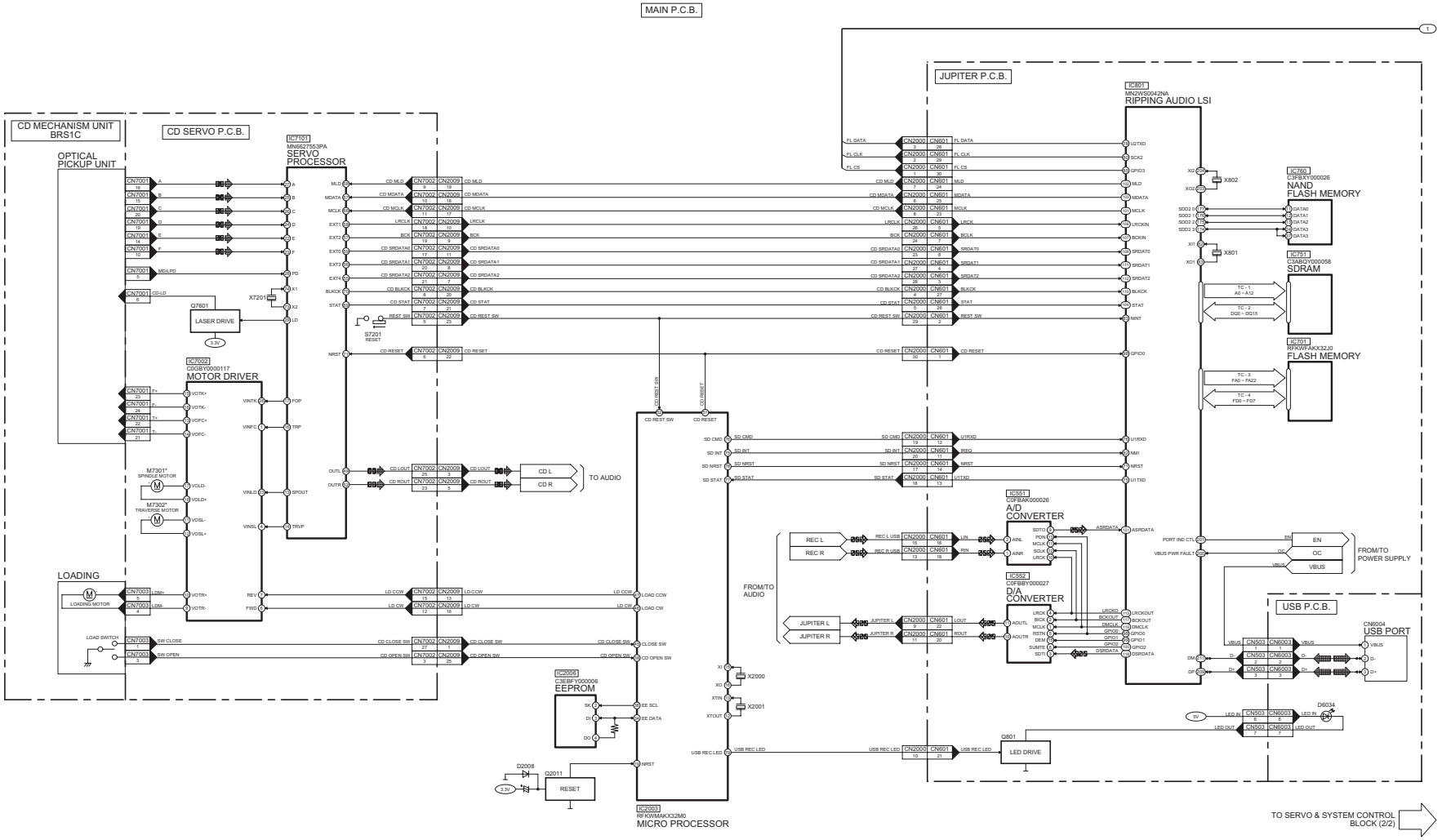
14.2. D-Amp Block Diagram



15 Block Diagram

15.1. Servo & System Control

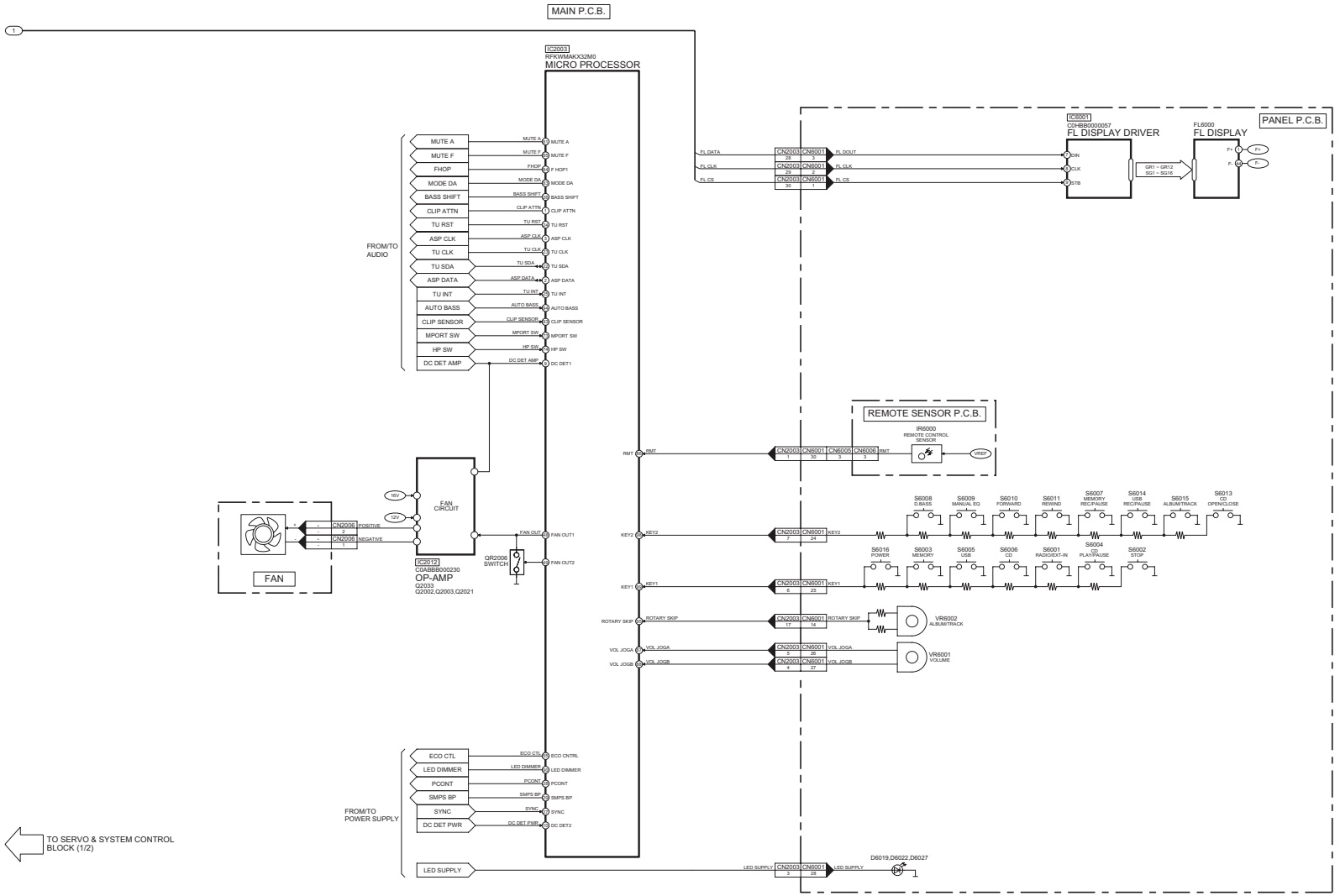
: CD AUDIO INPUT SIGNAL LINE : AUDIO OUTPUT SIGNAL LINE : USB SIGNAL LINE



NOTE: " * " REF IS FOR INDICATION ONLY

SA-AKX32 SERVO & SYSTEM CONTROL (1/2) BLOCK DIAGRAM

: CD AUDIO INPUT SIGNAL LINE : AUDIO OUTPUT SIGNAL LINE : USB SIGNAL LINE



SA-AKX32 SERVO & SYSTEM CONTROL (2/2) BLOCK DIAGRAM

15.2. IC Terminal Chart

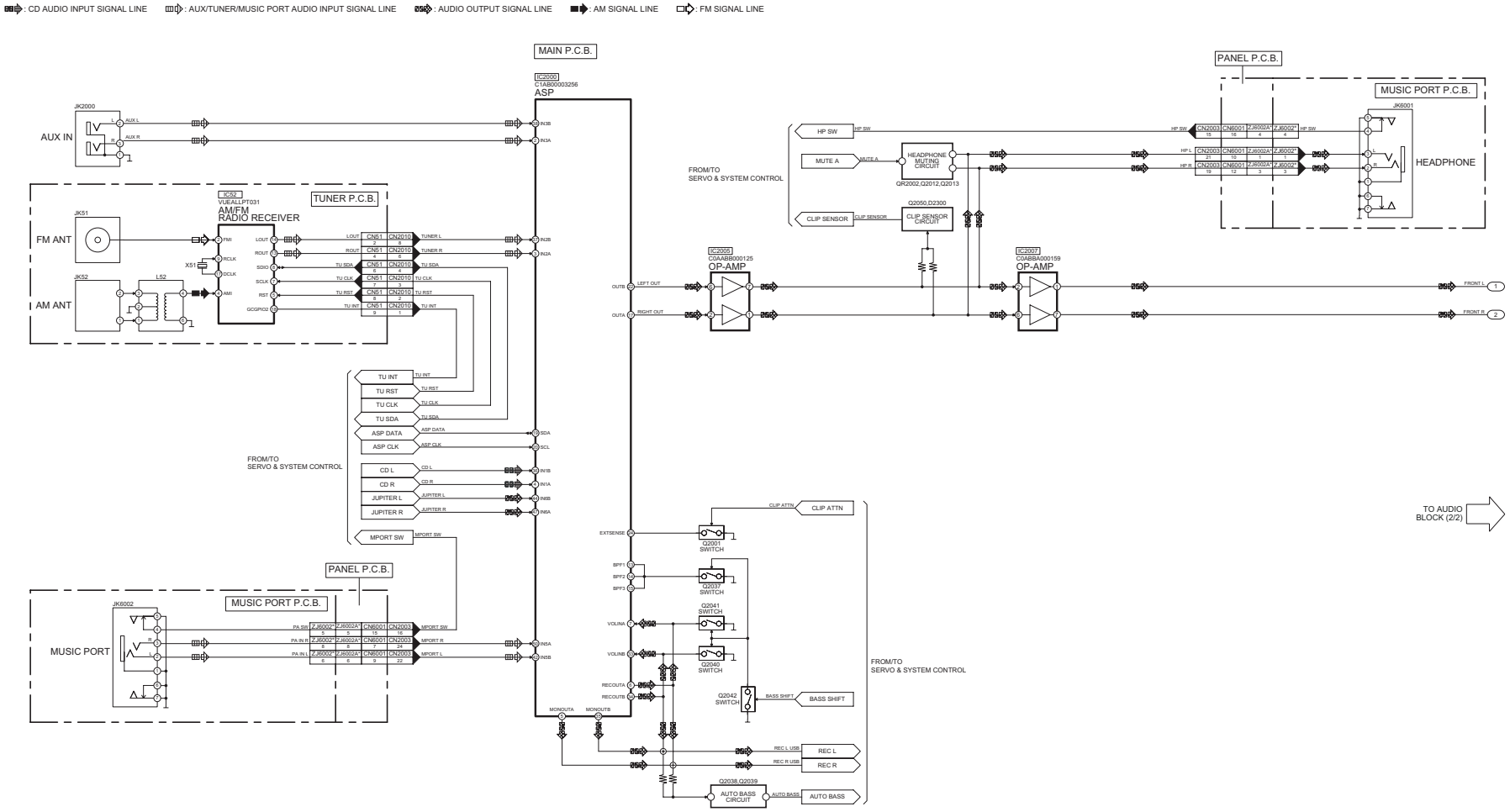
TC	IC751 SDRAM		SIGNAL NAME	IC801 RIPPING AUDIO LSI	
	PORT NAME	PIN NO		PIN NO	PORT NAME
1	A0	23	A0	5	SDRA0
	A1	24	A1	4	SDRA1
	A2	25	A2	3	SDRA2
	A3	26	A3	2	SDRA3
	A4	29	A4	7	SDRA4
	A5	30	A5	8	SDRA5
	A6	31	A6	9	SDRA6
	A7	32	A7	10	SDRA7
	A8	33	A8	15	SDRA8
	A9	34	A9	16	SDRA9
	A10	22	A10	11	SDRA10
	A11	35	A11	17	SDRA11
	A12	36	A12	18	SDRA12

TC	IC751 SDRAM		SIGNAL NAME	IC801 RIPPING AUDIO LSI	
	PORT NAME	PIN NO		PIN NO	PORT NAME
2	DQ0	2	DQ0	48	SDRD0
	DQ1	4	DQ1	47	SDRD1
	DQ2	5	DQ2	46	SDRD2
	DQ3	7	DQ3	45	SDRD3
	DQ4	8	DQ4	37	SDRD4
	DQ5	10	DQ5	36	SDRD5
	DQ6	11	DQ6	35	SDRD6
	DQ7	13	DQ7	34	SDRD7
	DQ8	42	DQ8	39	SDRD8
	DQ9	44	DQ9	40	SDRD9
	DQ10	45	DQ10	41	SDRD10
	DQ11	47	DQ11	42	SDRD11
	DQ12	48	DQ12	50	SDRD12
	DQ13	50	DQ13	51	SDRD13
	DQ14	51	DQ14	52	SDRD14
	DQ15	53	DQ15	53	SDRD15

TC	IC701 FLASH MEMORY		SIGNAL NAME	IC801 RIPPING AUDIO LSI	
	PORT NAME	PIN NO		PIN NO	PORT NAME
3	DQ15	45	FA0	154	HIR0
	A0	25	FA1	155	HIR1
	A1	24	FA2	156	HIR2
	A2	23	FA3	158	HIB0
	A3	22	FA4	149	NHINT
	A4	21	FA5	165	DACK1
	A5	20	FA6	164	DRQ1
	A6	19	FA7	162	DACK2
	A7	18	FA8	161	DRQ2
	A8	8	FA9	159	GPIO5
	A9	7	FA10	160	GPIO4
	A10	6	FA11	168	RCVCLK
	A11	5	FA12	169	RCVSTART
	A12	4	FA13	170	RCVDATA
	A13	3	FA14	171	RCVWAIT
	A14	2	FA15	138	HID8
	A15	1	FA16	139	HID9
	A16	48	FA17	142	HID10
	A17	17	FA18	143	HID11
	A18	16	FA19	144	HID12
	A19	9	FA20	145	HID13
	A20	10	FA21	147	HID14
	A21	13	FA22	148	HID15

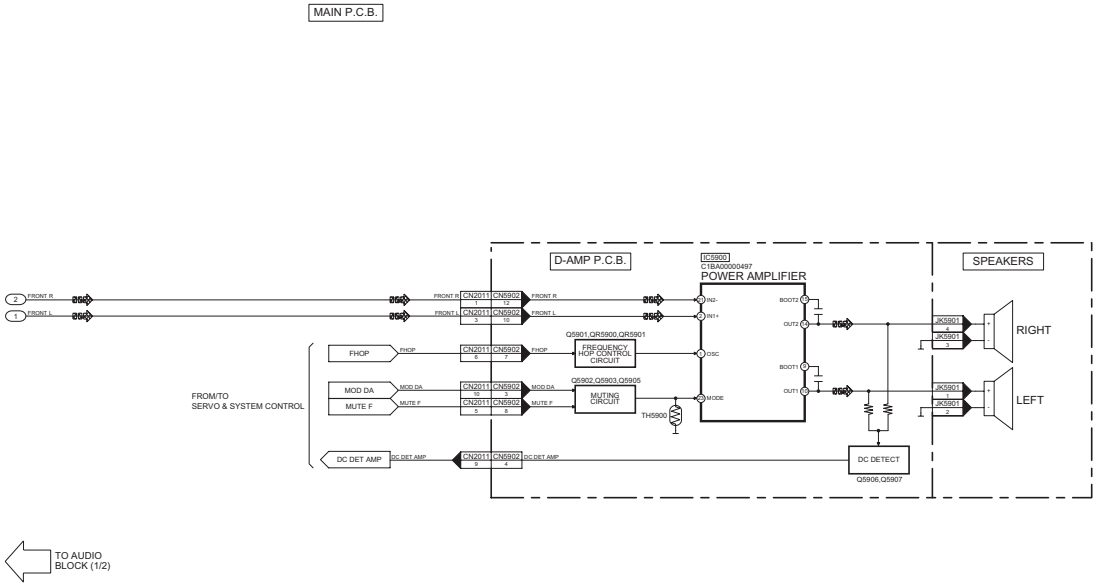
TC	IC701 FLASH MEMORY		SIGNAL NAME	IC801 RIPPING AUDIO LSI	
	PORT NAME	PIN NO		PIN NO	PORT NAME
4	DQ0	29	FD0	128	HID0
	DQ1	31	FD1	129	HID1
	DQ2	33	FD2	130	HID2
	DQ3	35	FD3	132	HID3
	DQ4	38	FD4	133	HID4
	DQ5	40	FD5	135	HID5
	DQ6	42	FD6	136	HID6
	DQ7	44	FD7	137	HID7

15.3. Audio



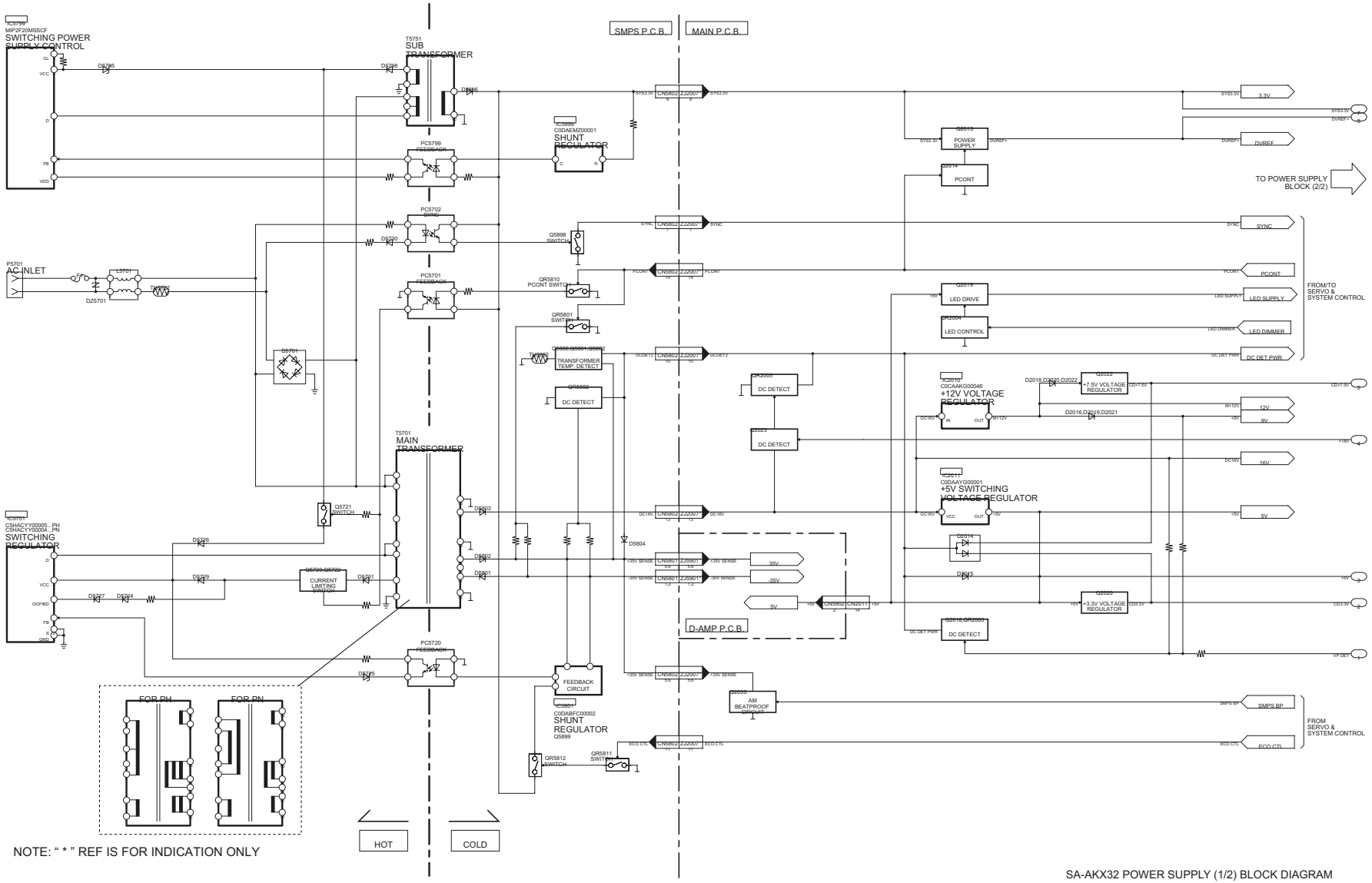
SA-AKX32 AUDIO (1/2) BLOCK DIAGRAM

: CD AUDIO INPUT SIGNAL LINE : AUX/TUNER/MUSIC PORT AUDIO INPUT SIGNAL LINE : AUDIO OUTPUT SIGNAL LINE : AM SIGNAL LINE : FM SIGNAL LINE



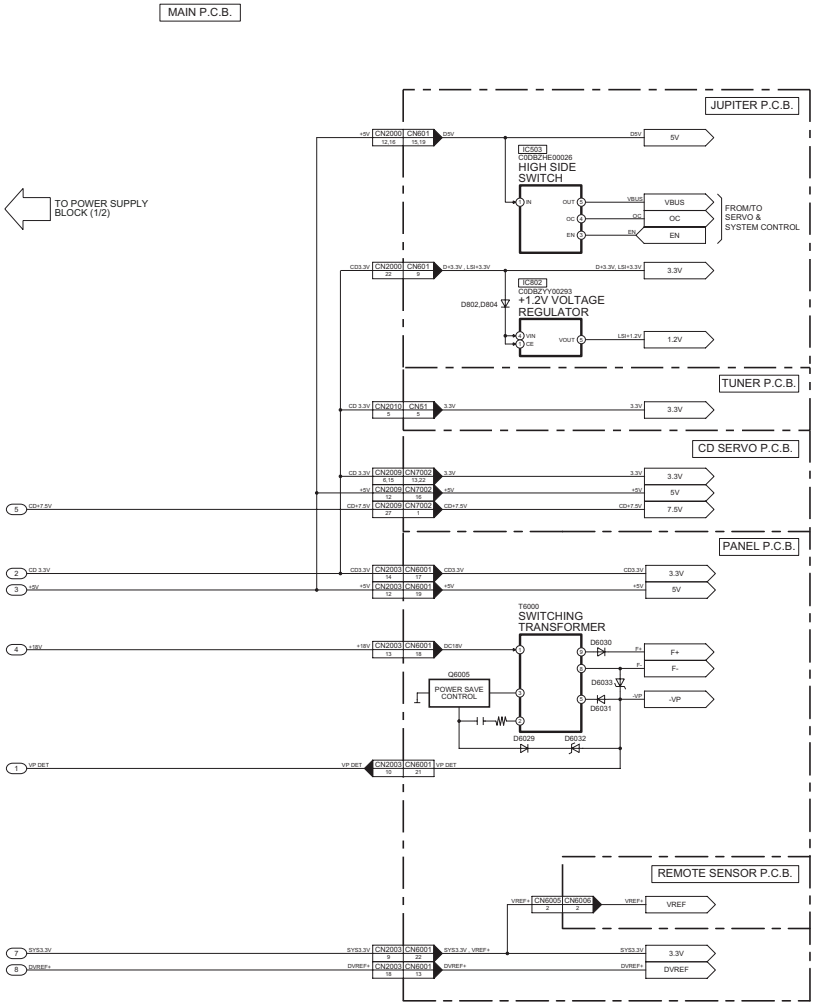
SA-AKX32 AUDIO (2/2) BLOCK DIAGRAM

15.4. Power Supply



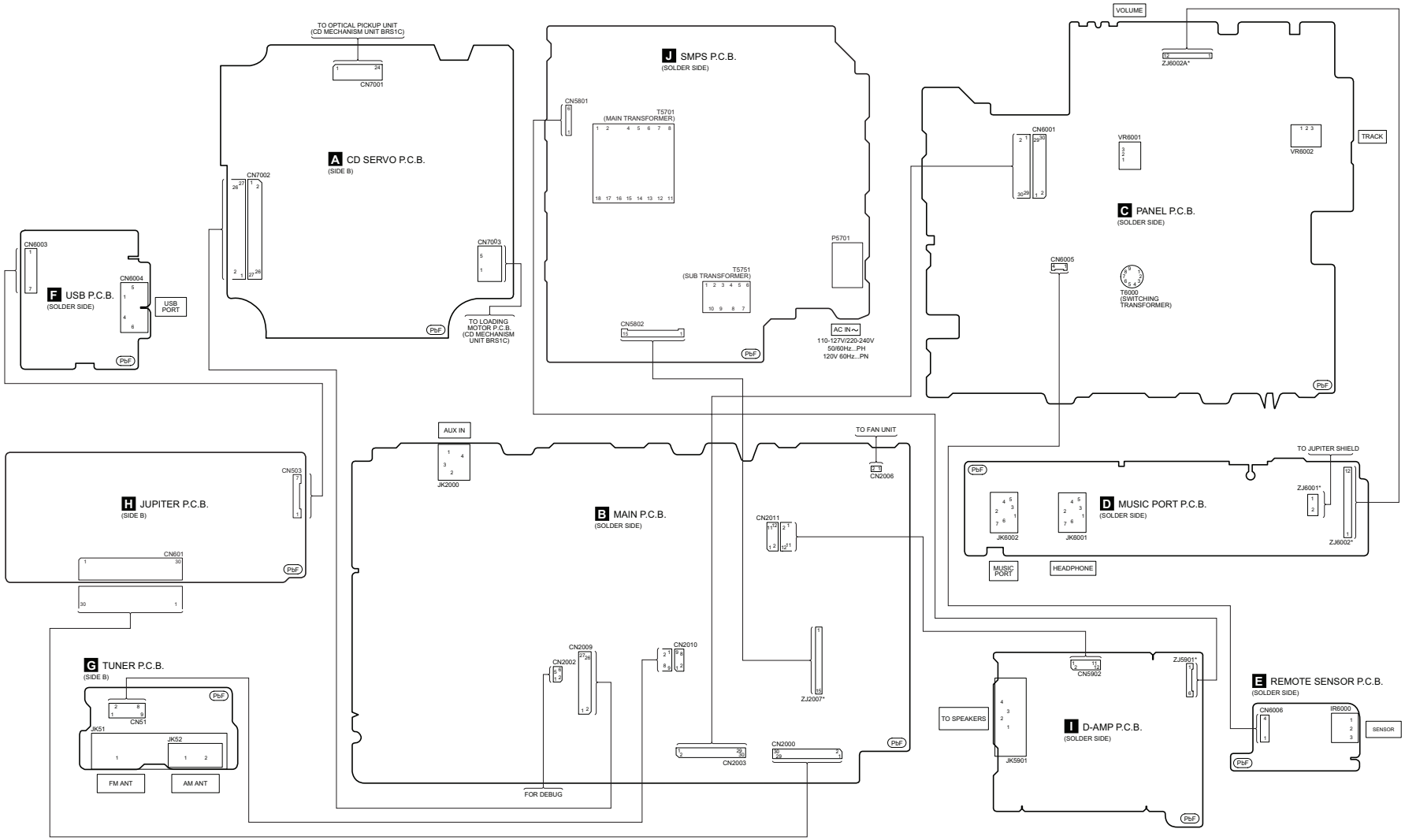
NOTE: " * " REF IS FOR INDICATION ONLY

SA-AKX32 POWER SUPPLY (1/2) BLOCK DIAGRAM



SA-AKX32 POWER SUPPLY (2/2) BLOCK DIAGRAM

16 Wiring Diagram



NOTE: " * " REF IS FOR INDICATION ONLY.

SA-AKX32 WIRING CONNECTION DIAGRAM

17 Schematic Diagram

17.1. Schematic Diagram Notes

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

Notes:

S6001:	Radio/EXT-IN switch.
S6002:	Stop (■) switch.
S6003:	Memory switch.
S6004:	CD Play/Pause (▶ / ▮▮) switch.
S6005:	USB switch.
S6006:	CD switch.
S6007:	Memory REC/PAUSE (●/▮▮) switch.
S6008:	D.BASS switch.
S6009:	Manual EQ switch.
S6010:	Forward (▶▶ / ▶▶|) switch.
S6011:	Rewind (|◀◀ / ◀◀) switch.
S6013:	Open/Close switch (▲).
S6014:	USB REC/PAUSE (●/▮▮) switch.
S6015:	Album/Track switch.
S6016:	Power switch (⏻/|).
VR6001:	Volume Jog.
VR6002:	Album/Track Jog.

- 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 components, be sure to use only manufacturer's specified parts shown in the parts list.

- In case of AC rated voltage Capacitors, the part no. and values will be indicated in the Schematic Diagram.
  AC rated voltage capacitors:
  C5700, C5701, C5703, C5704, C5705, C5708

- **Resistor**
  Unit of resistance is OHM [Ω] (K=1,000, M=1,000,000).

- **Capacitor**
  Unit of capacitance is μF, unless otherwise noted. F=Farads, pF=pico-Farad.

- **Coil**
  Unit of inductance is H, unless otherwise noted.

- *****

  REF IS FOR INDICATION ONLY.

- Voltage and signal line

  —— : +B signal line
  – – – – : -B signal line
  : CD Audio input signal line
  : AUX/Tuner/Music Port Audio input signal line
  : Audio output signal line
  : USB signal line
  : AM signal line
  : FM signal line

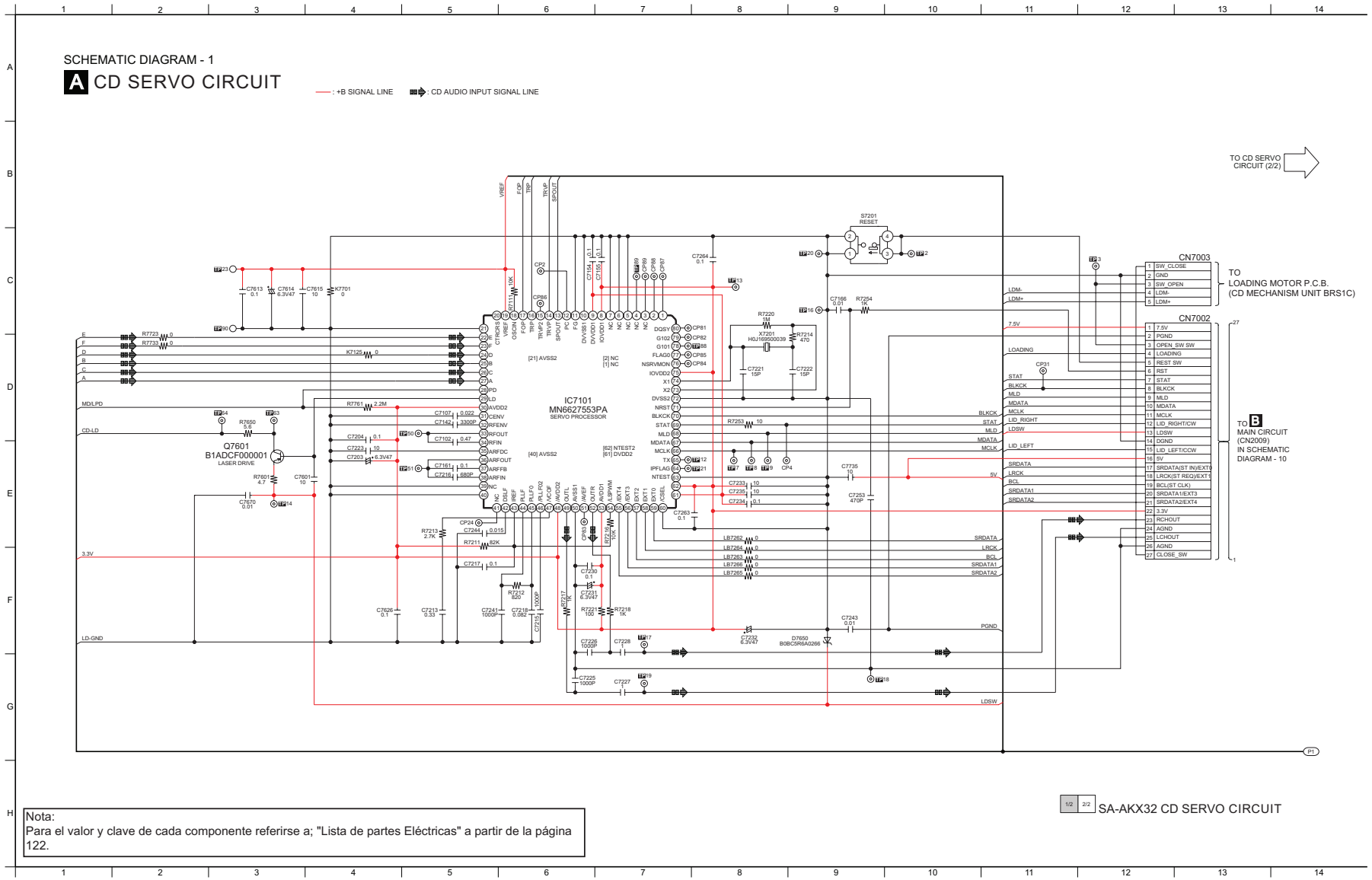
CAUTION: FOR CONTINUED PROTECTION AGAINST FIRE HAZARD, REPLACE ONLY WITH SAME TYPE F1 8A 125V FUSE

RISK OF FIRE-REPLACE FUSE AS MARKED.

FUSE CAUTION

These symbols located near the fuse indicates that the fuse used is a fast operating type. For continued protection againts fire harzard, replace with the same type fuse. fro rating, refer to the marking adjacent to the symbol.

17.2. CD Servo Circuit

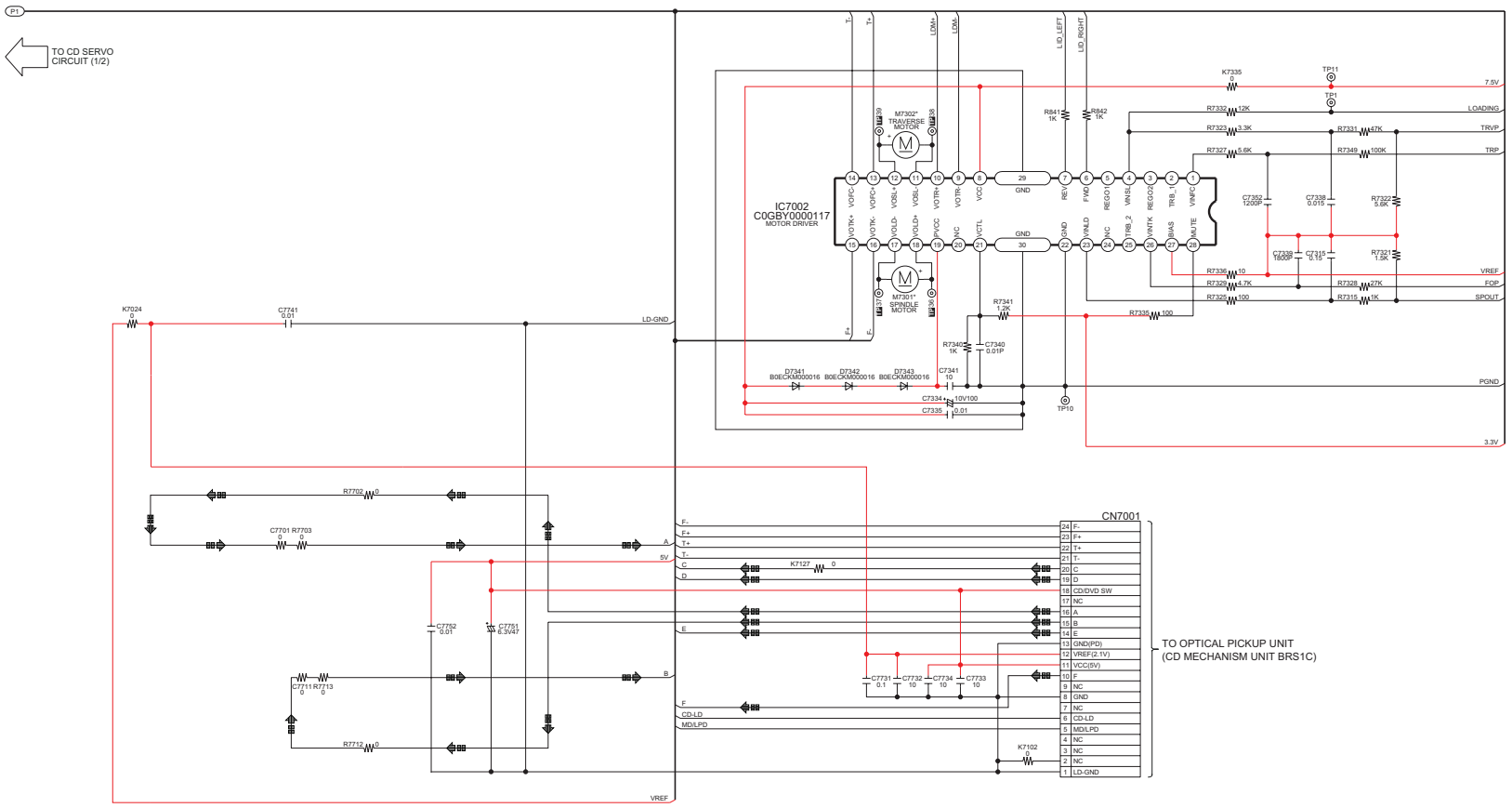


Nota:
Para el valor y clave de cada componente referirse a; "Lista de partes Eléctricas" a partir de la página 122.

SCHEMATIC DIAGRAM - 2

A CD SERVO CIRCUIT

—— : +B SIGNAL LINE ▬▶ : CD AUDIO INPUT SIGNAL LINE

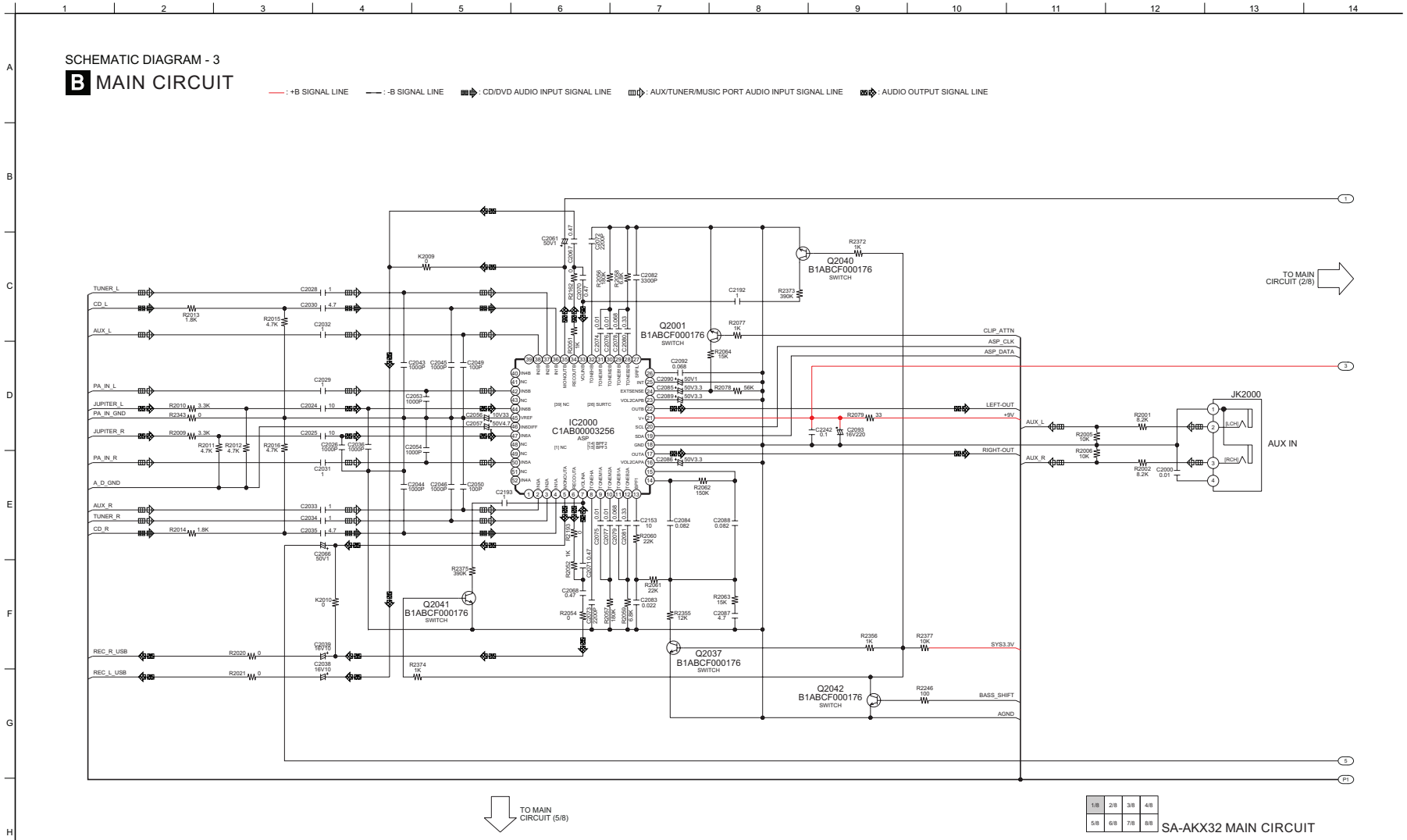


NOTE: " * " REF IS FOR INDICATION ONLY

Nota:
Para el valor y clave de cada componente referirse a; "Lista de partes Eléctricas" a partir de la página 122.

1/2 2/2 SA-AKX32 CD SERVO CIRCUIT

17.3. Main Circuit

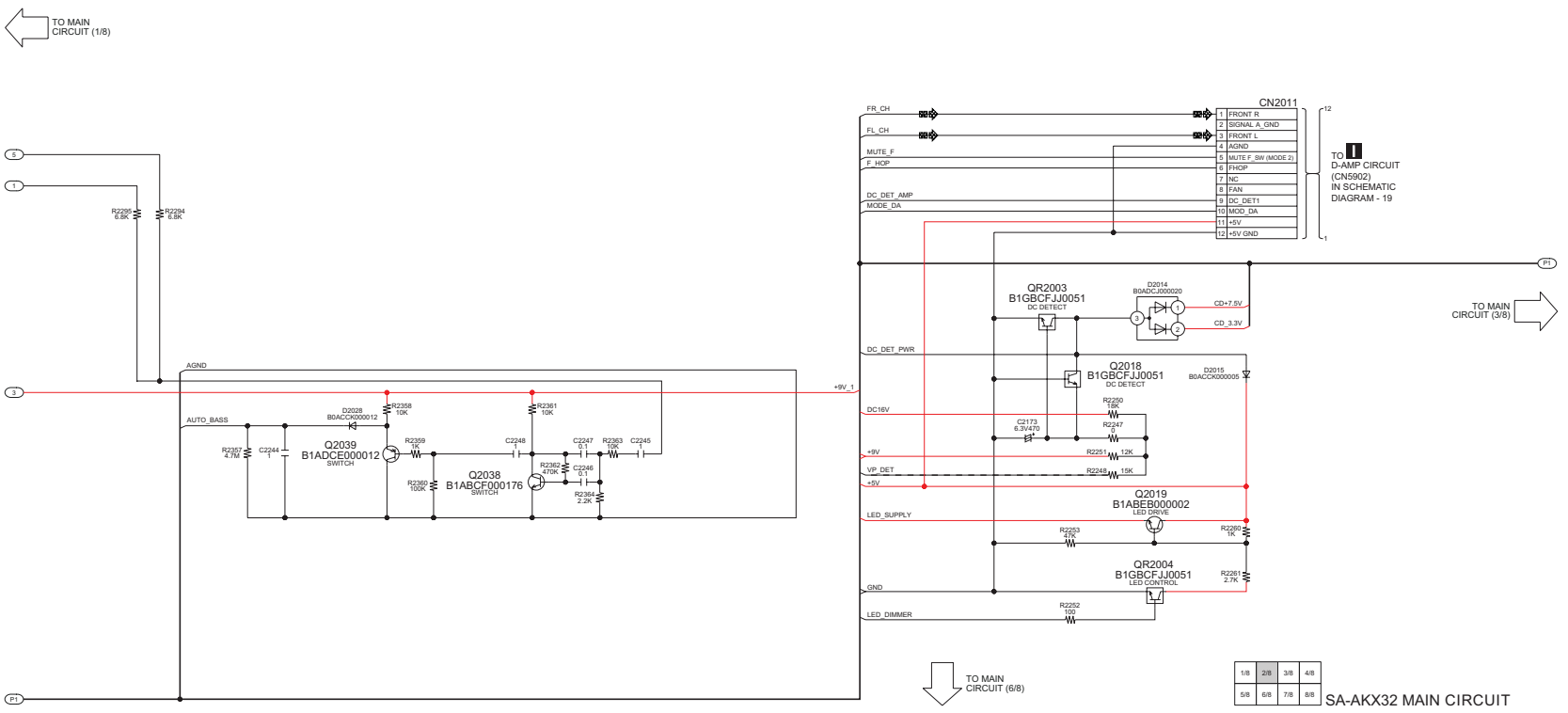


Nota:
Para el valor y clave de cada componente referirse a; "Lista de partes Eléctricas" a partir de la página 122.

SCHEMATIC DIAGRAM - 4

B MAIN CIRCUIT

—— : +B SIGNAL LINE —— : -B SIGNAL LINE : CD/DVD AUDIO INPUT SIGNAL LINE : AUX/TUNER/MUSIC PORT AUDIO INPUT SIGNAL LINE : AUDIO OUTPUT SIGNAL LINE

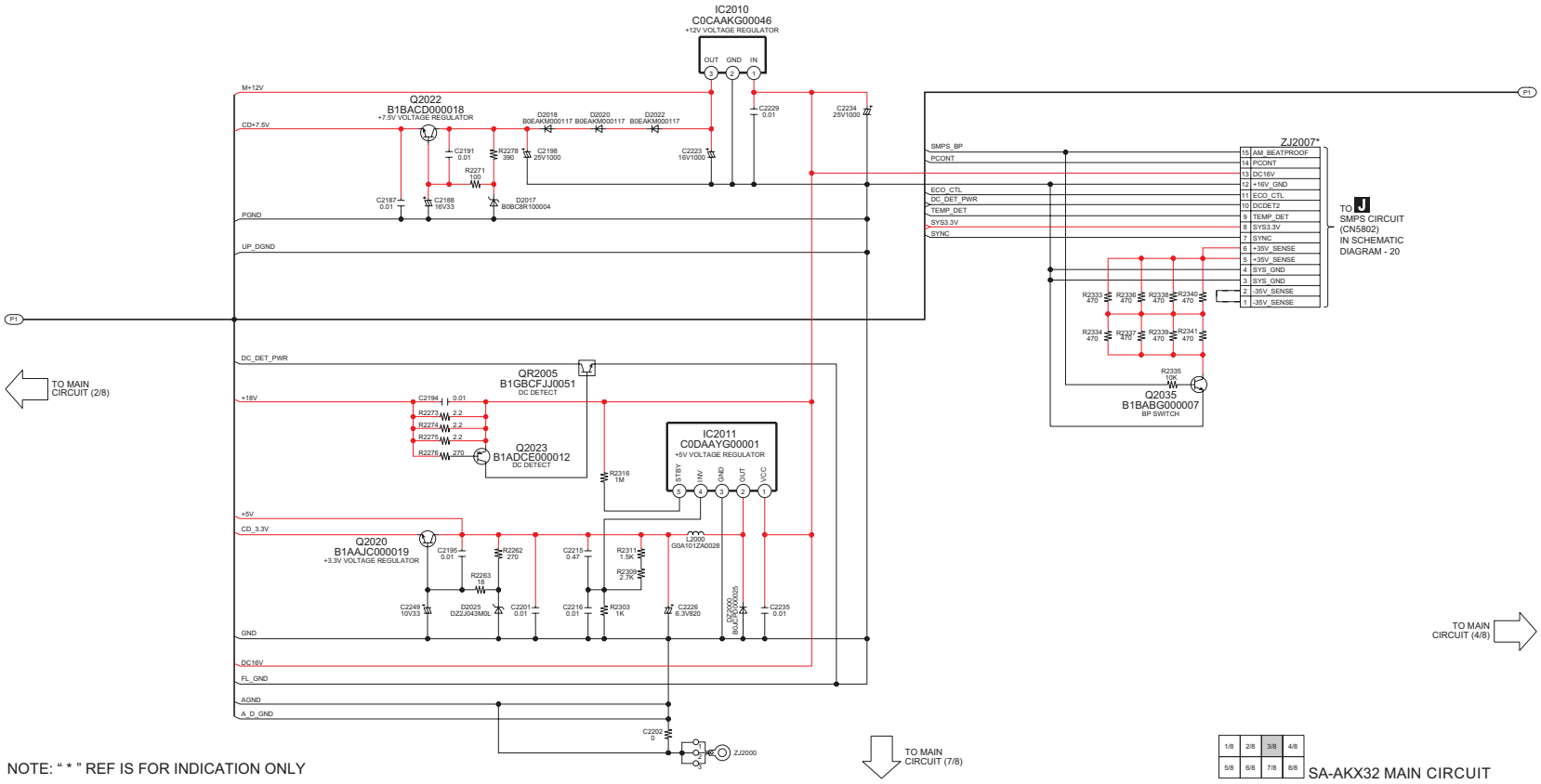


Nota:
Para el valor y clave de cada componente referirse a; "Lista de partes Eléctricas" a partir de la página 122.

SCHEMATIC DIAGRAM - 5

B MAIN CIRCUIT

—— : +B SIGNAL LINE —— : -B SIGNAL LINE : CD/DVD AUDIO INPUT SIGNAL LINE : AUX/TUNER/MUSIC PORT AUDIO INPUT SIGNAL LINE : AUDIO OUTPUT SIGNAL LINE



NOTE: " * " REF IS FOR INDICATION ONLY

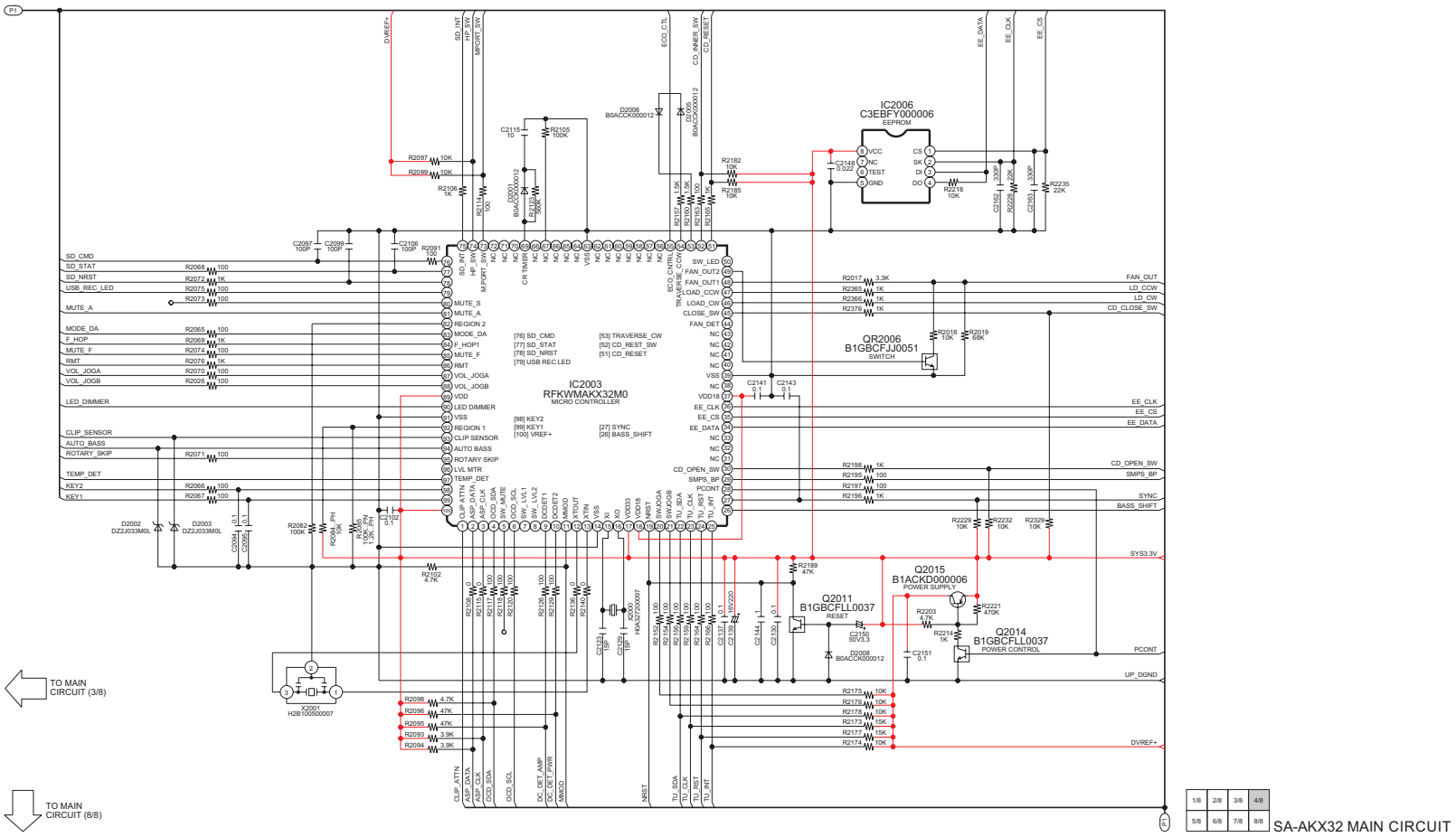
1/8 2/8 3/8 4/8 5/8 6/8 7/8 8/8 SA-AKX32 MAIN CIRCUIT

Nota:
Para el valor y clave de cada componente referirse a; "Lista de partes Eléctricas" a partir de la página 122.

SCHEMATIC DIAGRAM - 6

B MAIN CIRCUIT

—— : +B SIGNAL LINE —•— : -B SIGNAL LINE : CD/DVD AUDIO INPUT SIGNAL LINE : AUX/TUNER/MUSIC PORT AUDIO INPUT SIGNAL LINE : AUDIO OUTPUT SIGNAL LINE



Nota:
Para el valor y clave de cada componente referirse a; "Lista de partes Eléctricas" a partir de la página 122.

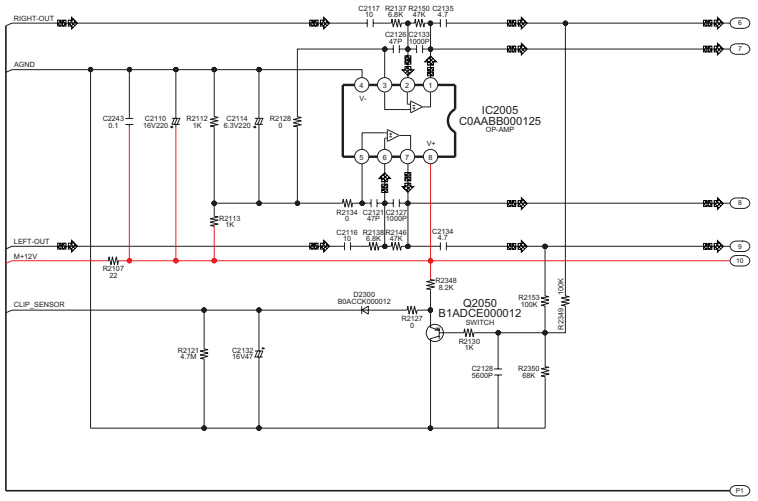
SCHEMATIC DIAGRAM - 7

B MAIN CIRCUIT

—— : +B SIGNAL LINE —— : -B SIGNAL LINE : CD/DVD AUDIO INPUT SIGNAL LINE : AUX/TUNER/MUSIC PORT AUDIO INPUT SIGNAL LINE : AUDIO OUTPUT SIGNAL LINE

TO MAIN CIRCUIT (1/8)

TO MAIN CIRCUIT (6/8)



1/8	2/8	3/8	4/8
5/8	6/8	7/8	8/8

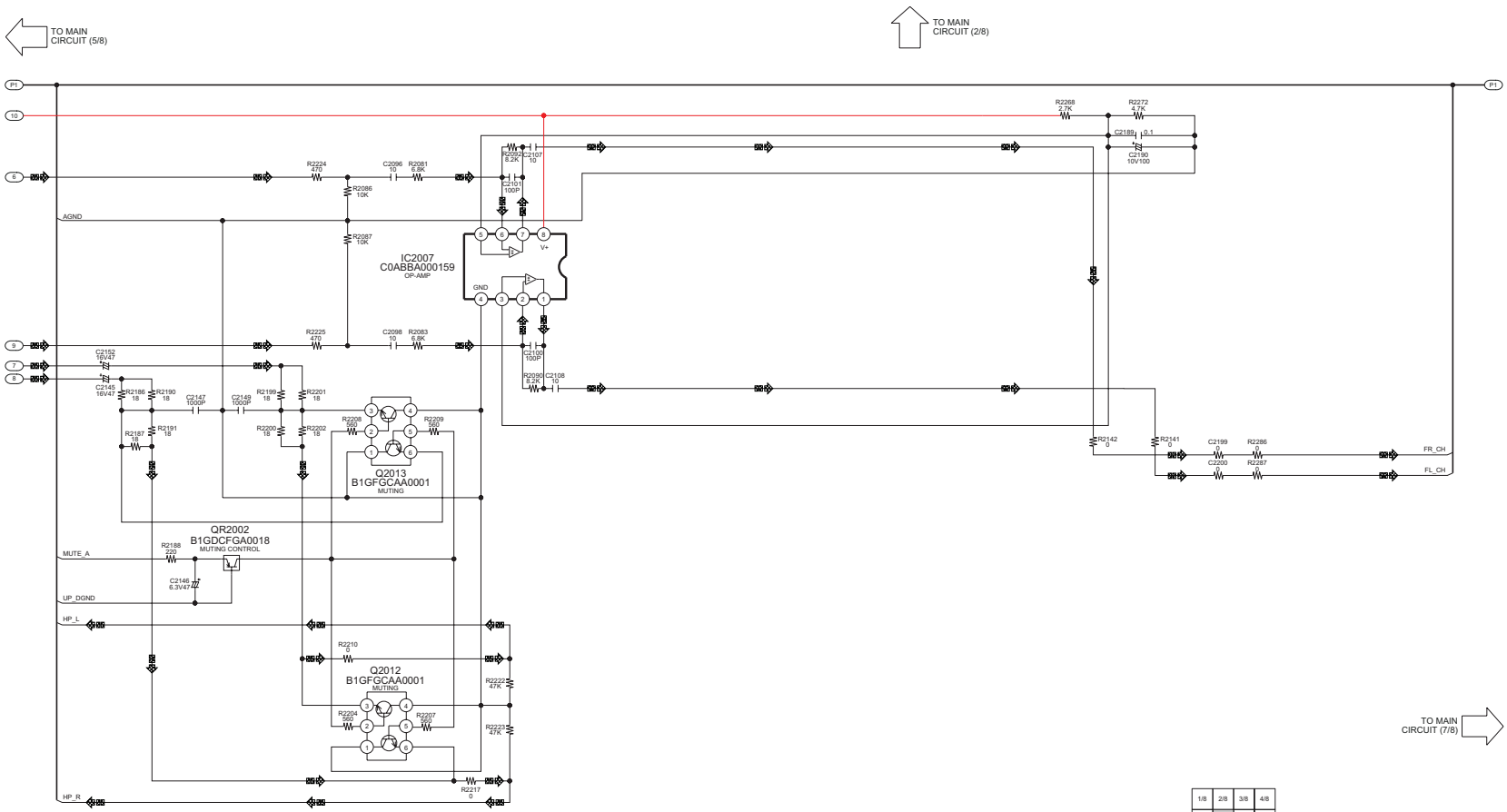
SA-AKX32 MAIN CIRCUIT

Nota:
Para el valor y clave de cada componente referirse a; "Lista de partes Eléctricas" a partir de la página 122.

SCHEMATIC DIAGRAM - 8

B MAIN CIRCUIT

: +B SIGNAL LINE : -B SIGNAL LINE : CD/DVD AUDIO INPUT SIGNAL LINE : AUX/TUNER/MUSIC PORT AUDIO INPUT SIGNAL LINE : AUDIO OUTPUT SIGNAL LINE



1/8	2/8	3/8	4/8	
5/8	6/8	7/8	8/8	

SA-AKX32 MAIN CIRCUIT

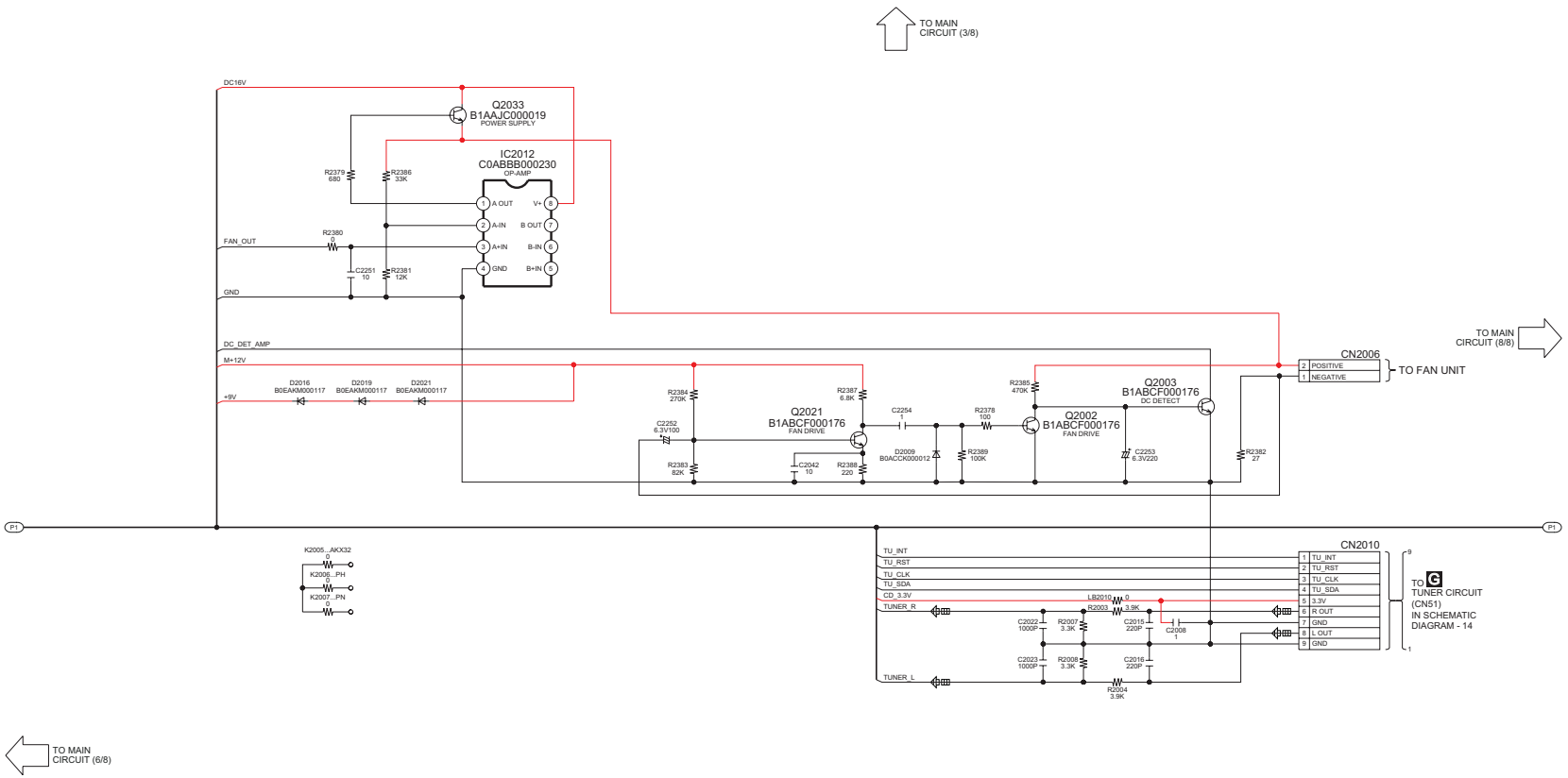
Nota:
Para el valor y clave de cada componente referirse a; "Lista de partes Eléctricas" a partir de la página 122.

15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28

SCHEMATIC DIAGRAM - 9

B MAIN CIRCUIT

—— : +B SIGNAL LINE —— : -B SIGNAL LINE : CD/DVD AUDIO INPUT SIGNAL LINE : AUX/TUNER/MUSIC PORT AUDIO INPUT SIGNAL LINE : AUDIO OUTPUT SIGNAL LINE



1/8	2/8	3/8	4/8
5/8	6/8	7/8	8/8

SA-AKX32 MAIN CIRCUIT

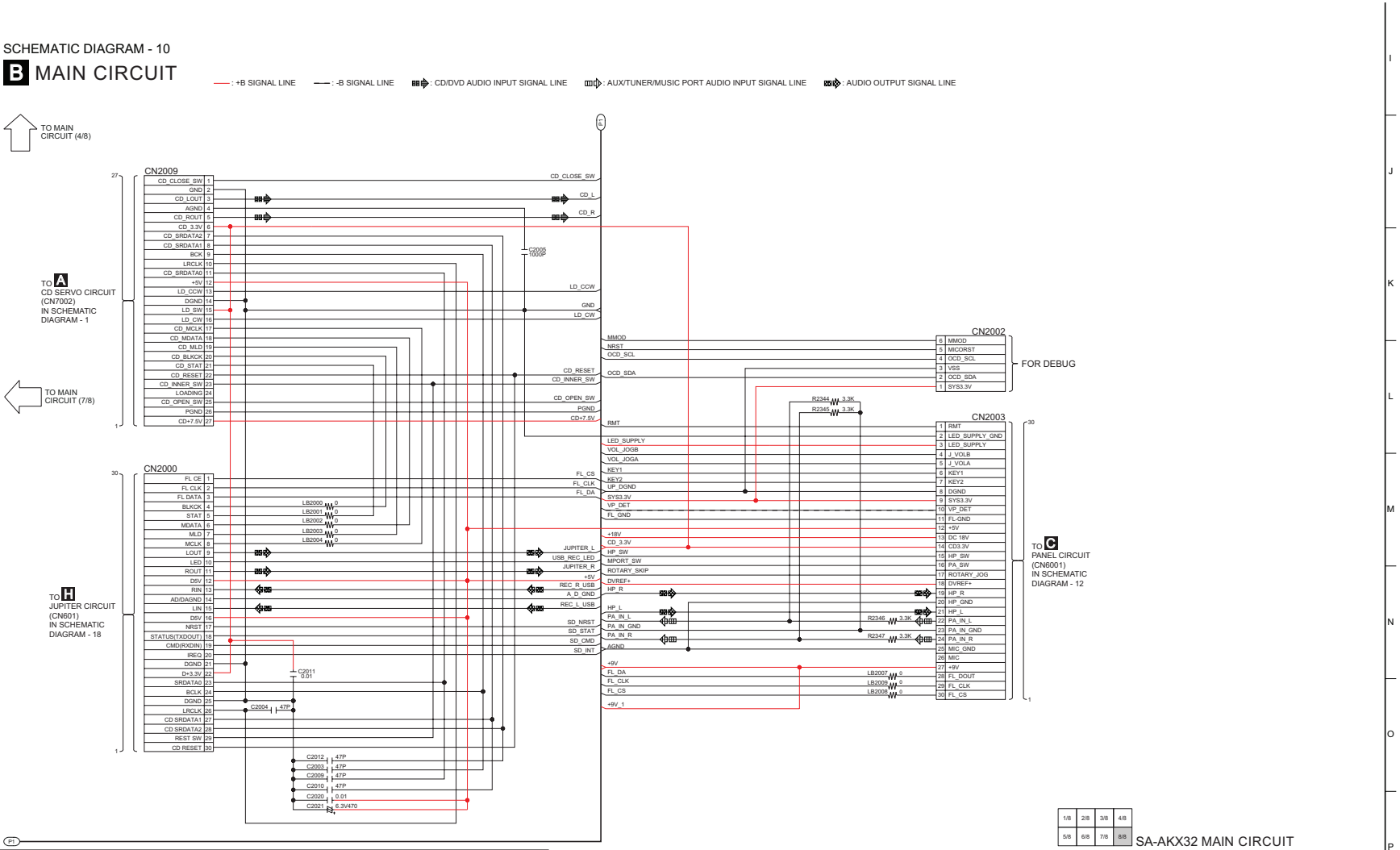
Nota:
Para el valor y clave de cada componente referirse a; "Lista de partes Eléctricas" a partir de la página 122.

29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42

SCHEMATIC DIAGRAM - 10

B MAIN CIRCUIT

—— : +B SIGNAL LINE —— : -B SIGNAL LINE : CD/DVD AUDIO INPUT SIGNAL LINE : AUX/TUNER/MUSIC PORT AUDIO INPUT SIGNAL LINE : AUDIO OUTPUT SIGNAL LINE



1/8	2/8	3/8	4/8	
5/8	6/8	7/8	8/8	

SA-AKX32 MAIN CIRCUIT

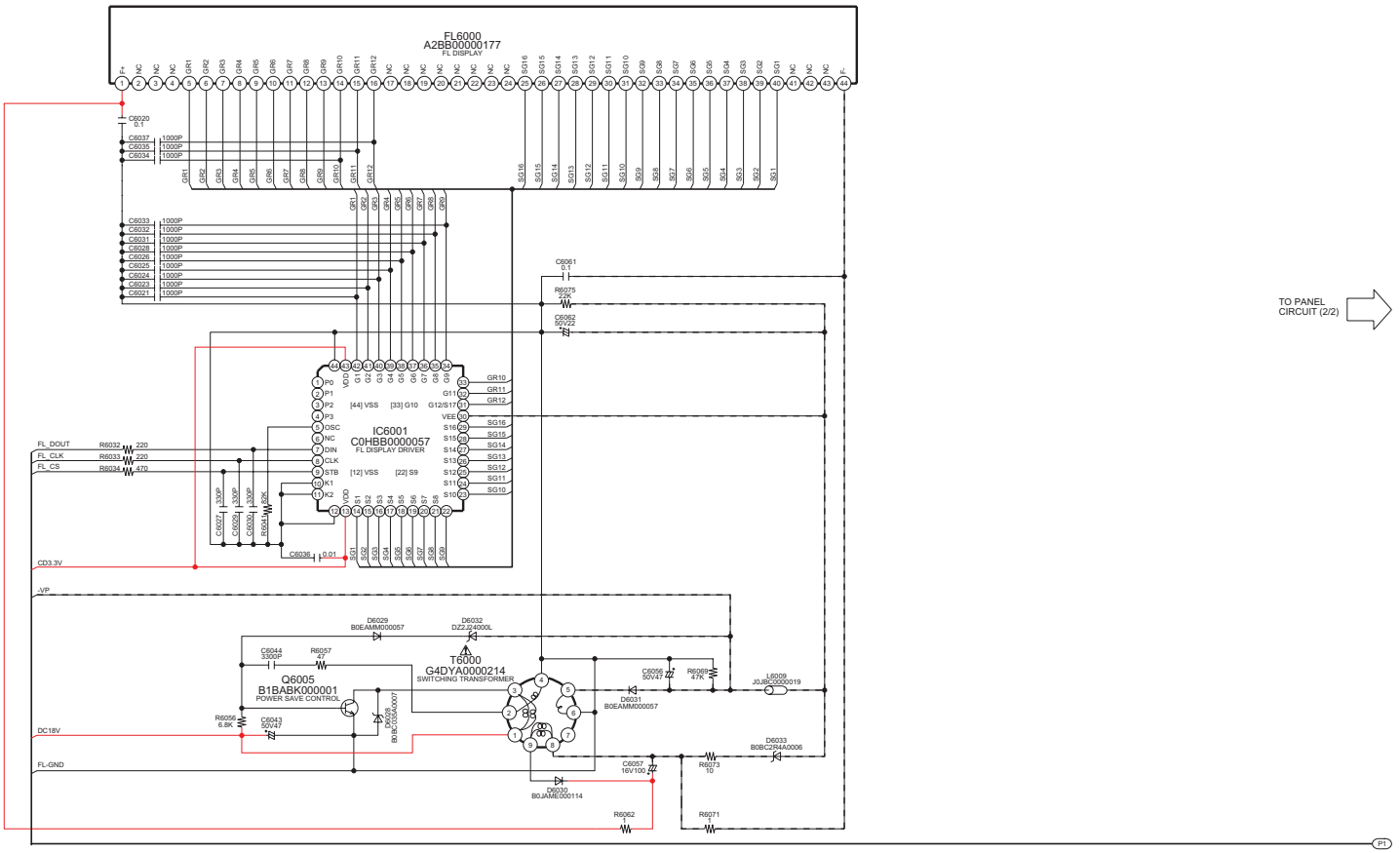
Nota:
Para el valor y clave de cada componente referirse a; "Lista de partes Eléctricas" a partir de la página 122.

17.4. Panel Circuit

SCHEMATIC DIAGRAM - 11

C PANEL CIRCUIT

: +B SIGNAL LINE : -B SIGNAL LINE : MUSIC PORT AUDIO INPUT SIGNAL LINE : AUDIO OUTPUT SIGNAL LINE



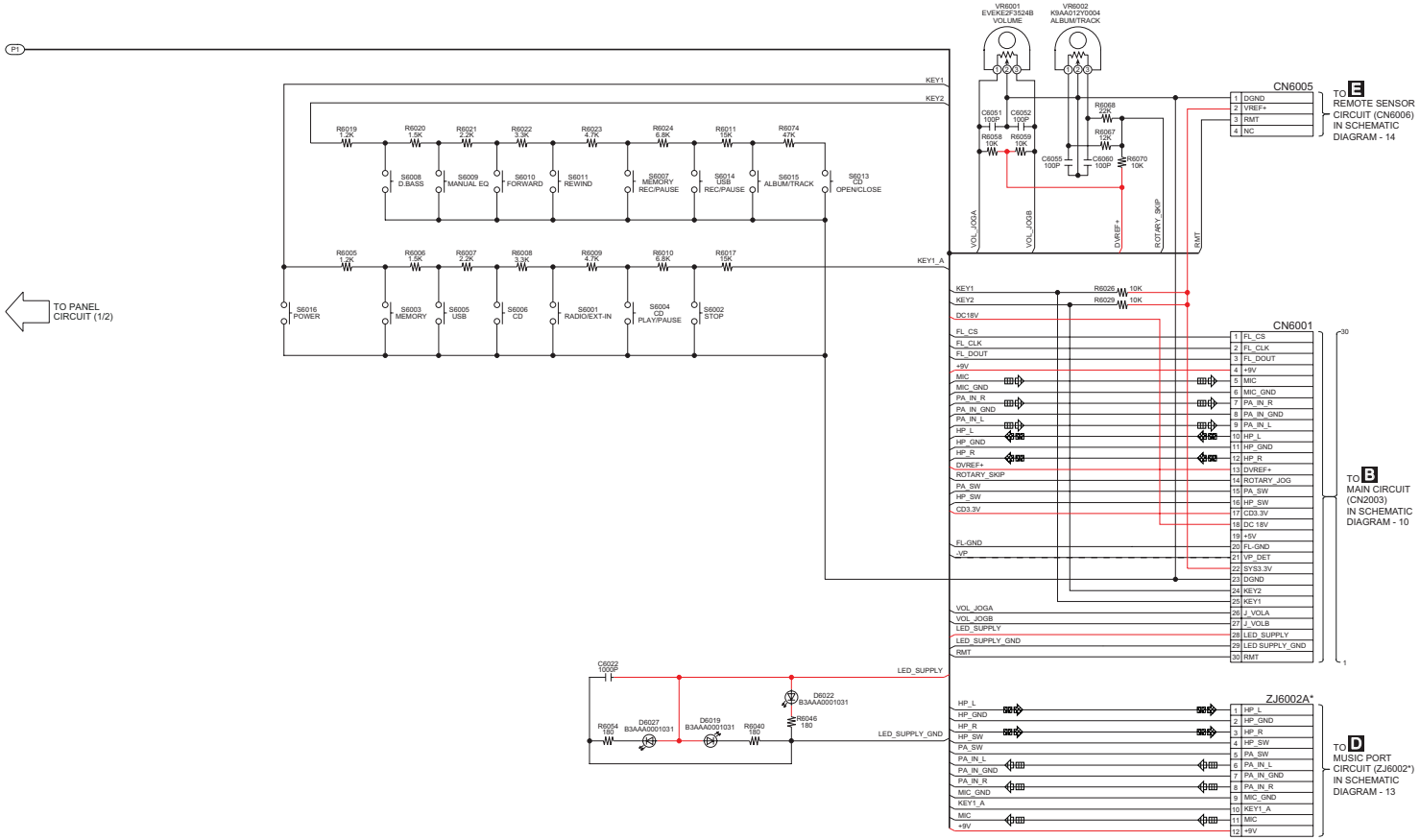
SA-AKX32 PANEL CIRCUIT

Nota:
Para el valor y clave de cada componente referirse a; "Lista de partes Eléctricas" a partir de la página 122.

SCHEMATIC DIAGRAM - 12

C PANEL CIRCUIT

—— : +B SIGNAL LINE —— : -B SIGNAL LINE : MUSIC PORT AUDIO INPUT SIGNAL LINE : AUDIO OUTPUT SIGNAL LINE



NOTE: " * " REF IS FOR INDICATION ONLY

Nota:
Para el valor y clave de cada componente referirse a; "Lista de partes Eléctricas" a partir de la página 122.

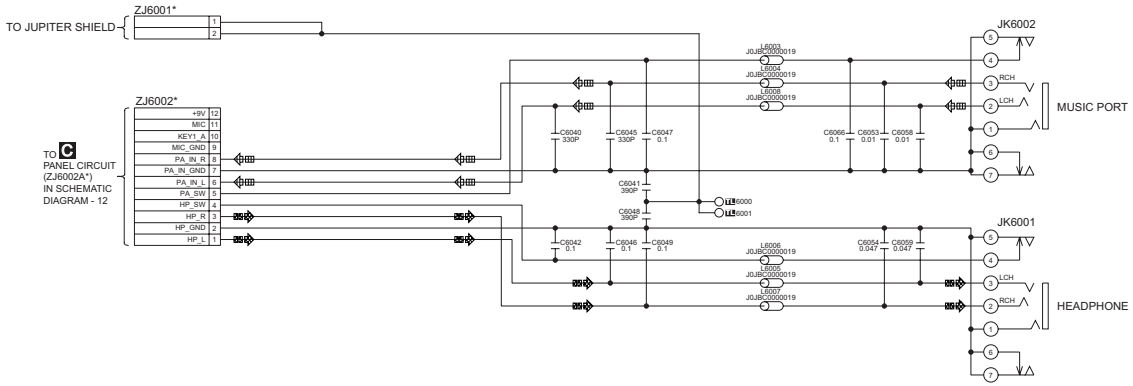
1/2 2/2 SA-AKX32 PANEL CIRCUIT

17.5. Music Port Circuit

SCHEMATIC DIAGRAM - 13

D MUSIC PORT CIRCUIT

—: +B SIGNAL LINE : MUSIC PORT AUDIO INPUT SIGNAL LINE : AUDIO OUTPUT SIGNAL LINE



NOTE: " * " REF IS FOR INDICATION ONLY

SA-AKX32 MUSIC PORT CIRCUIT

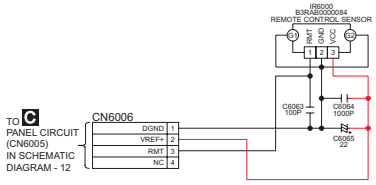
Nota:
Para el valor y clave de cada componente referirse a; "Lista de partes Eléctricas" a partir de la página 122.

17.6. Remote Sensor, USB & Tuner Circuit

SCHEMATIC DIAGRAM - 14

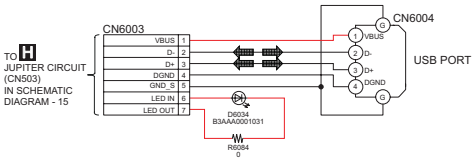
E REMOTE SENSOR CIRCUIT

: +B SIGNAL LINE



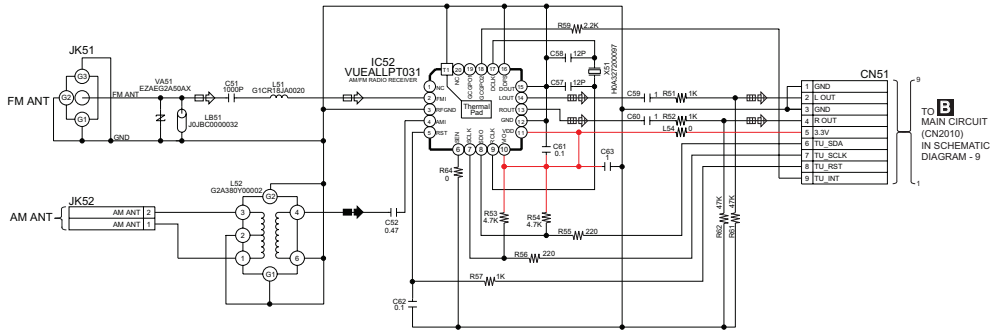
F USB CIRCUIT

: +B SIGNAL LINE : USB SIGNAL LINE



G TUNER CIRCUIT

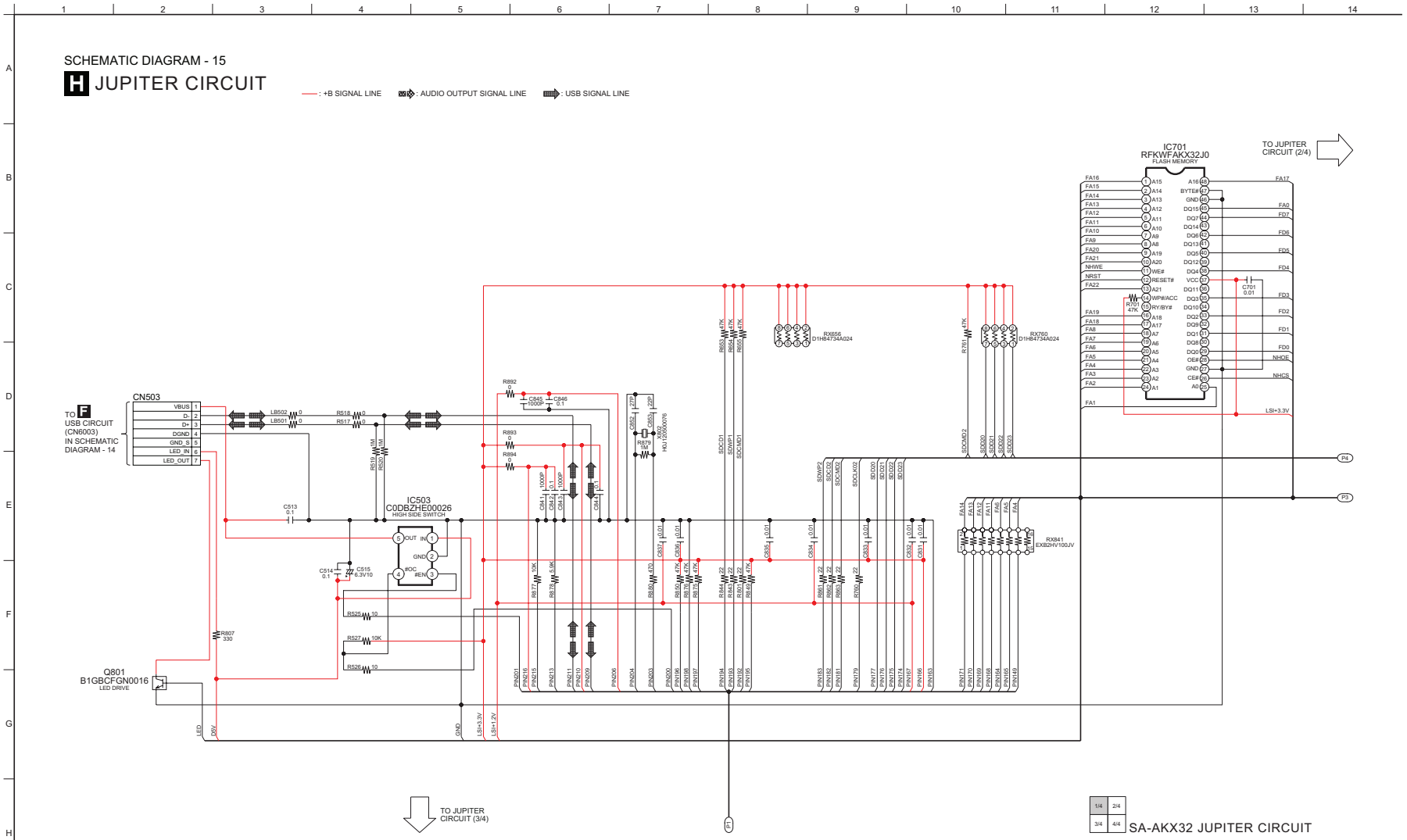
: +B SIGNAL LINE : TUNER AUDIO INPUT SIGNAL LINE : AM SIGNAL LINE : FM SIGNAL LINE



SA-AKX32 REMOTE SENSOR / USB / TUNER CIRCUIT

Nota:
Para el valor y clave de cada componente referirse a; "Lista de partes Eléctricas" a partir de la página 122.

17.7. Jupiter Circuit

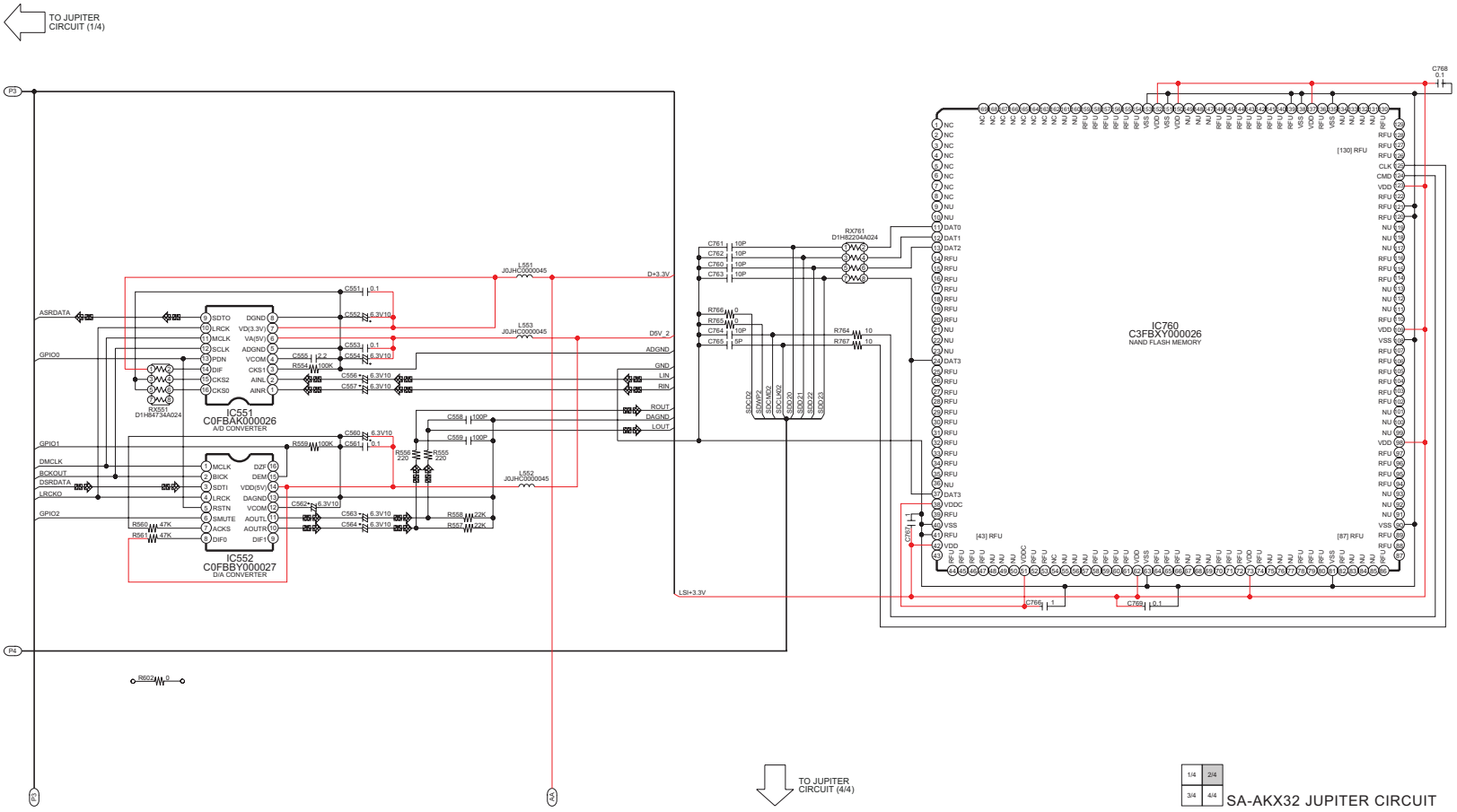


Nota:
Para el valor y clave de cada componente referirse a; "Lista de partes Eléctricas" a partir de la página 122.

SCHEMATIC DIAGRAM - 16

H JUPITER CIRCUIT

—— : +B SIGNAL LINE : AUDIO OUTPUT SIGNAL LINE : USB SIGNAL LINE



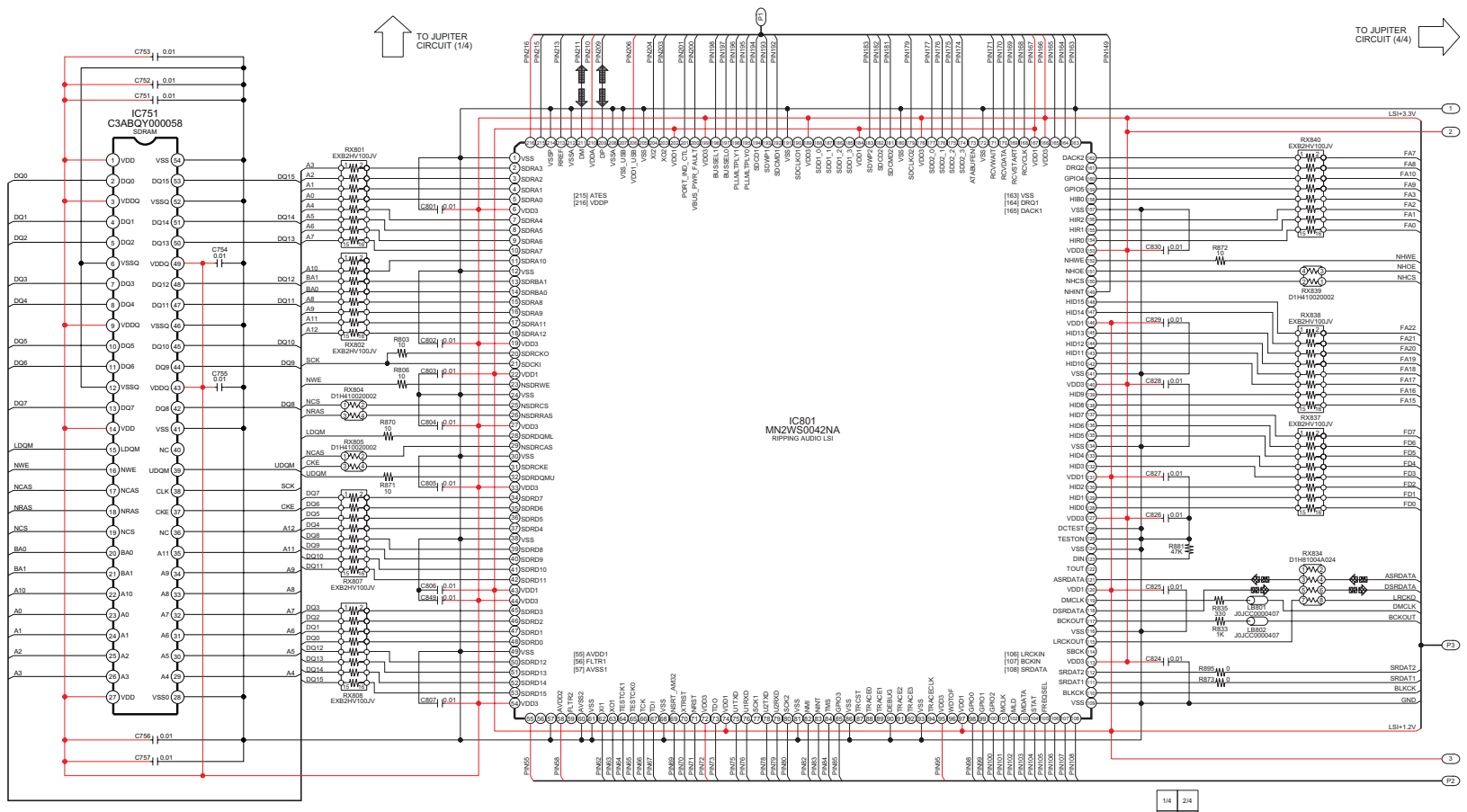
1/4 | 2/4 | 3/4 | 4/4 SA-AKX32 JUPITER CIRCUIT

Nota:
Para el valor y clave de cada componente referirse a; "Lista de partes Eléctricas" a partir de la página 122.

SCHEMATIC DIAGRAM - 17

H JUPITER CIRCUIT

—— : +B SIGNAL LINE ⇒ : AUDIO OUTPUT SIGNAL LINE ⇒ : USB SIGNAL LINE



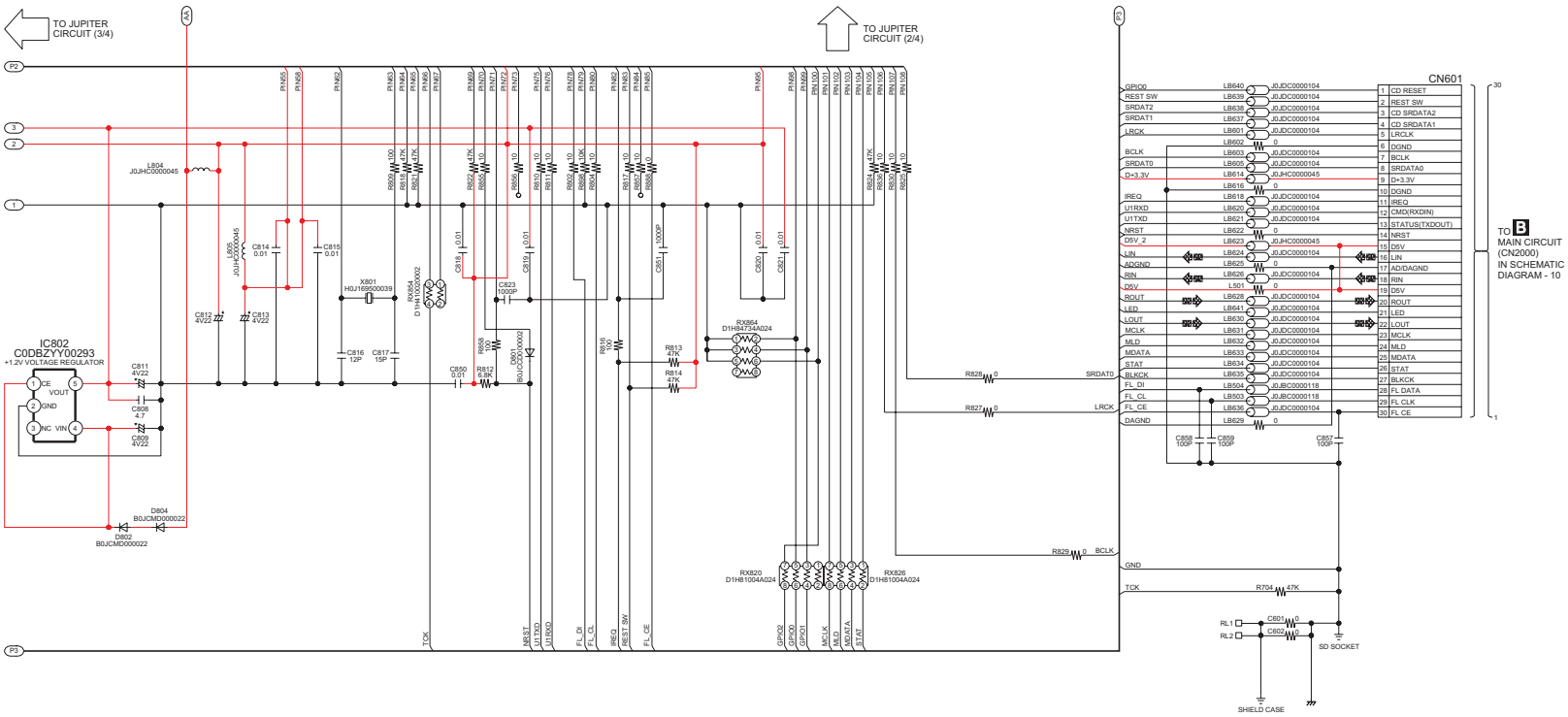
SA-AKX32 JUPITER CIRCUIT

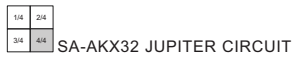
Nota:
Para el valor y clave de cada componente referirse a; "Lista de partes Eléctricas" a partir de la página 122.

SCHEMATIC DIAGRAM - 18

H JUPITER CIRCUIT

—— : +B SIGNAL LINE : AUDIO OUTPUT SIGNAL LINE : USB SIGNAL LINE

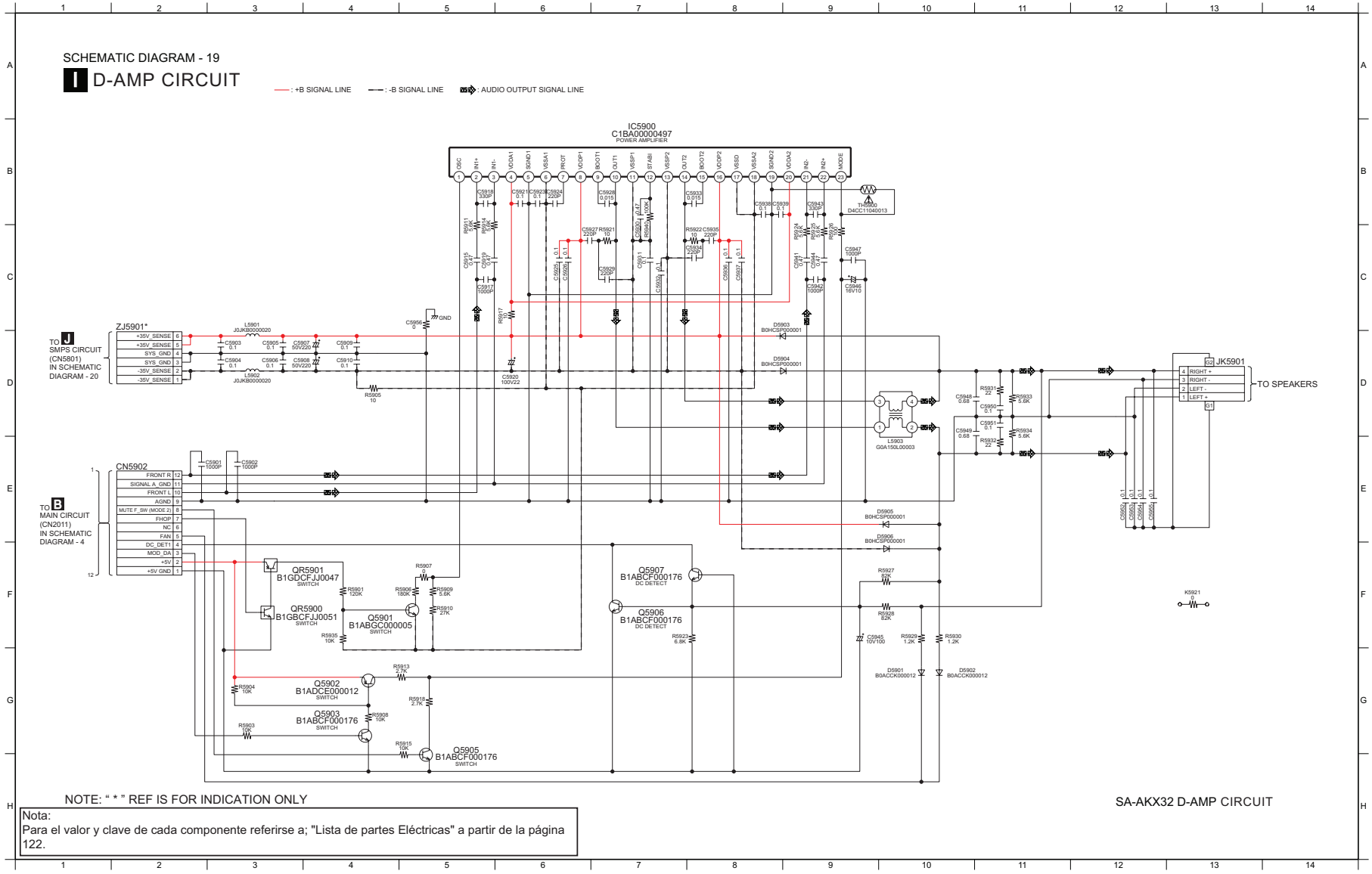




SA-AKX32 JUPITER CIRCUIT

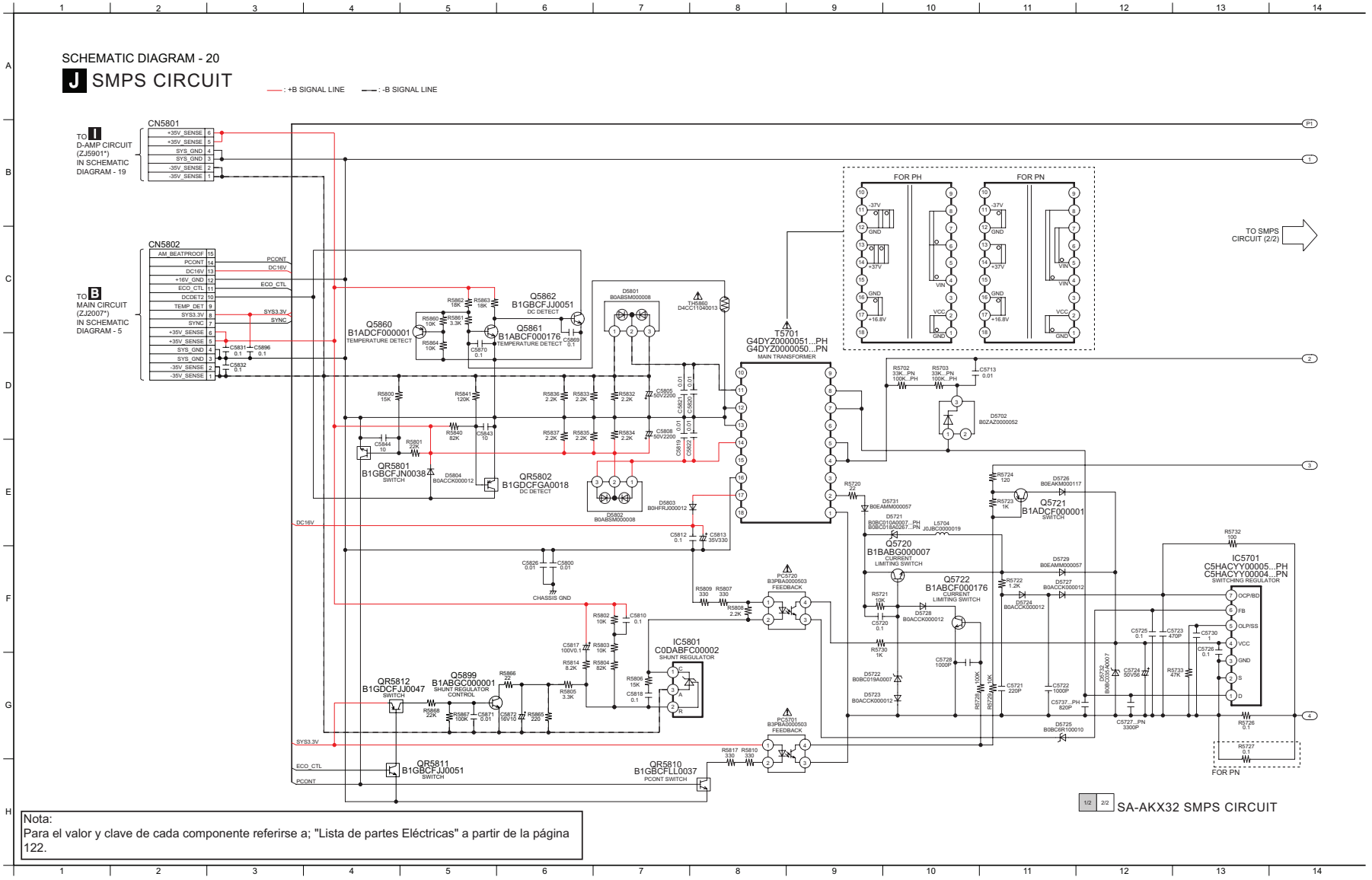
Nota:
Para el valor y clave de cada componente referirse a; "Lista de partes Eléctricas" a partir de la página 122.

17.8. D-Amp Circuit



Nota:
Para el valor y clave de cada componente referirse a; "Lista de partes Eléctricas" a partir de la página 122.

17.9. SMPS Circuit

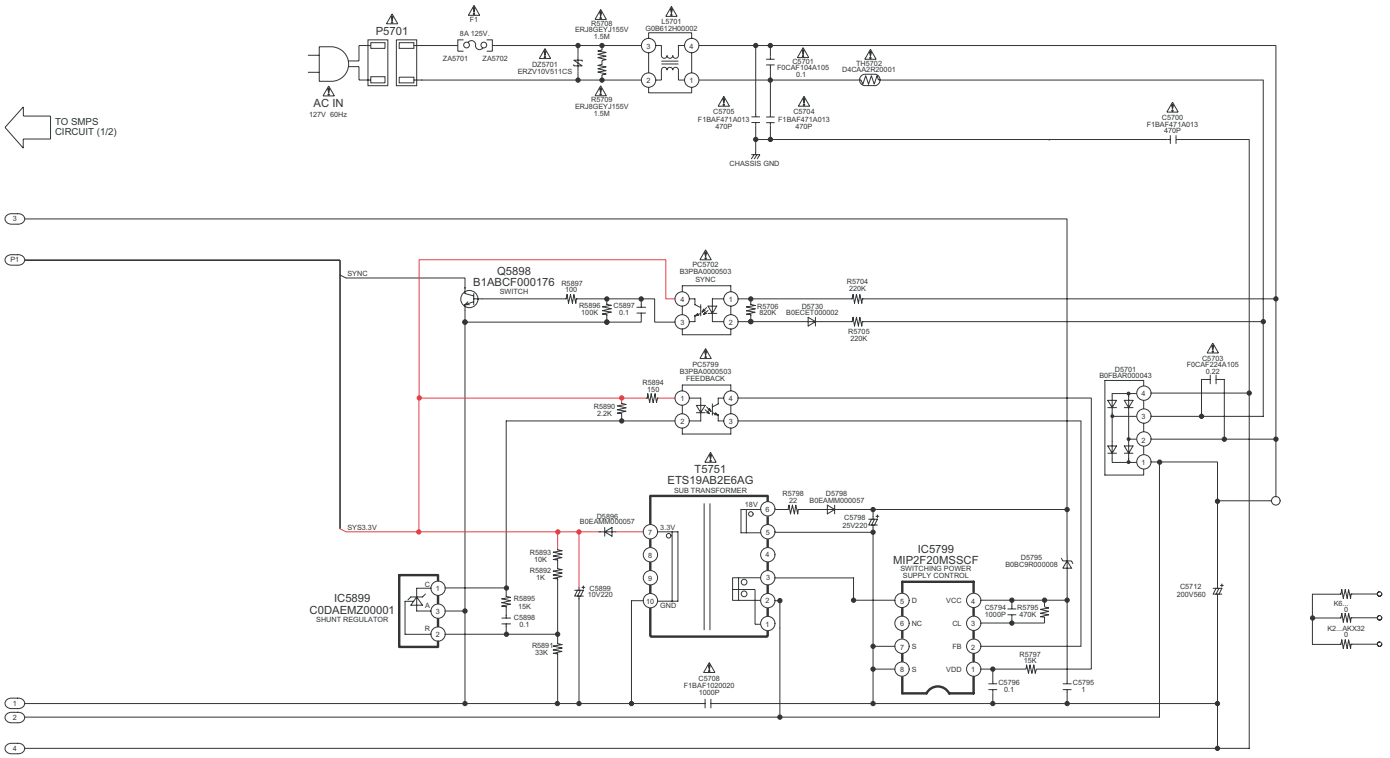


Nota:
Para el valor y clave de cada componente referirse a; "Lista de partes Eléctricas" a partir de la página 122.

SCHEMATIC DIAGRAM - 21

J SMPS CIRCUIT

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



NOTE: " * " REF IS FOR INDICATION ONLY

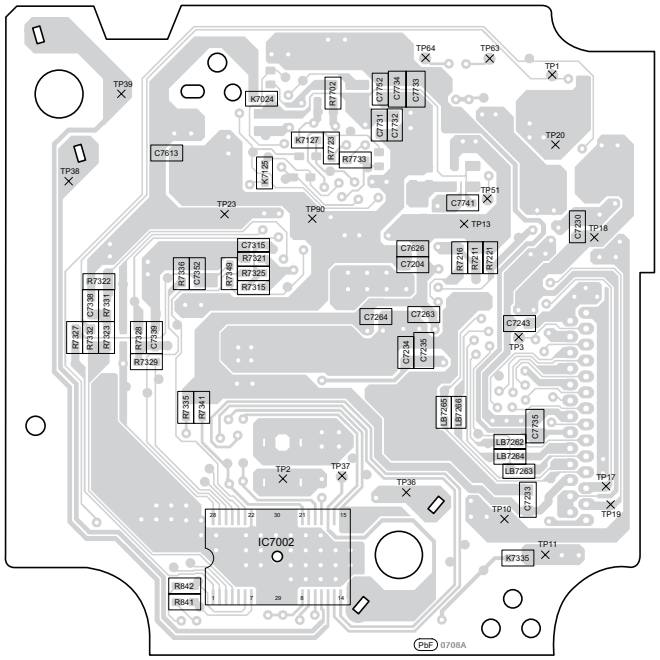
Nota:
Para el valor y clave de cada componente referirse a; "Lista de partes Eléctricas" a partir de la página 122.

1/2 2/2 SA-AKX32 SMPS CIRCUIT

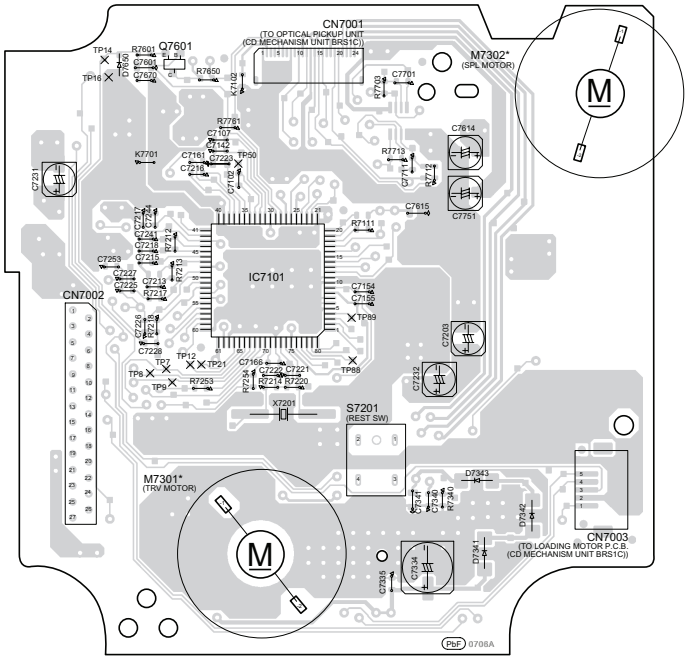
18 Printed Circuit Board

18.1. CD Servo P.C.B.

A CD SERVO P.C.B. (REPX0919A)



(SIDE A)



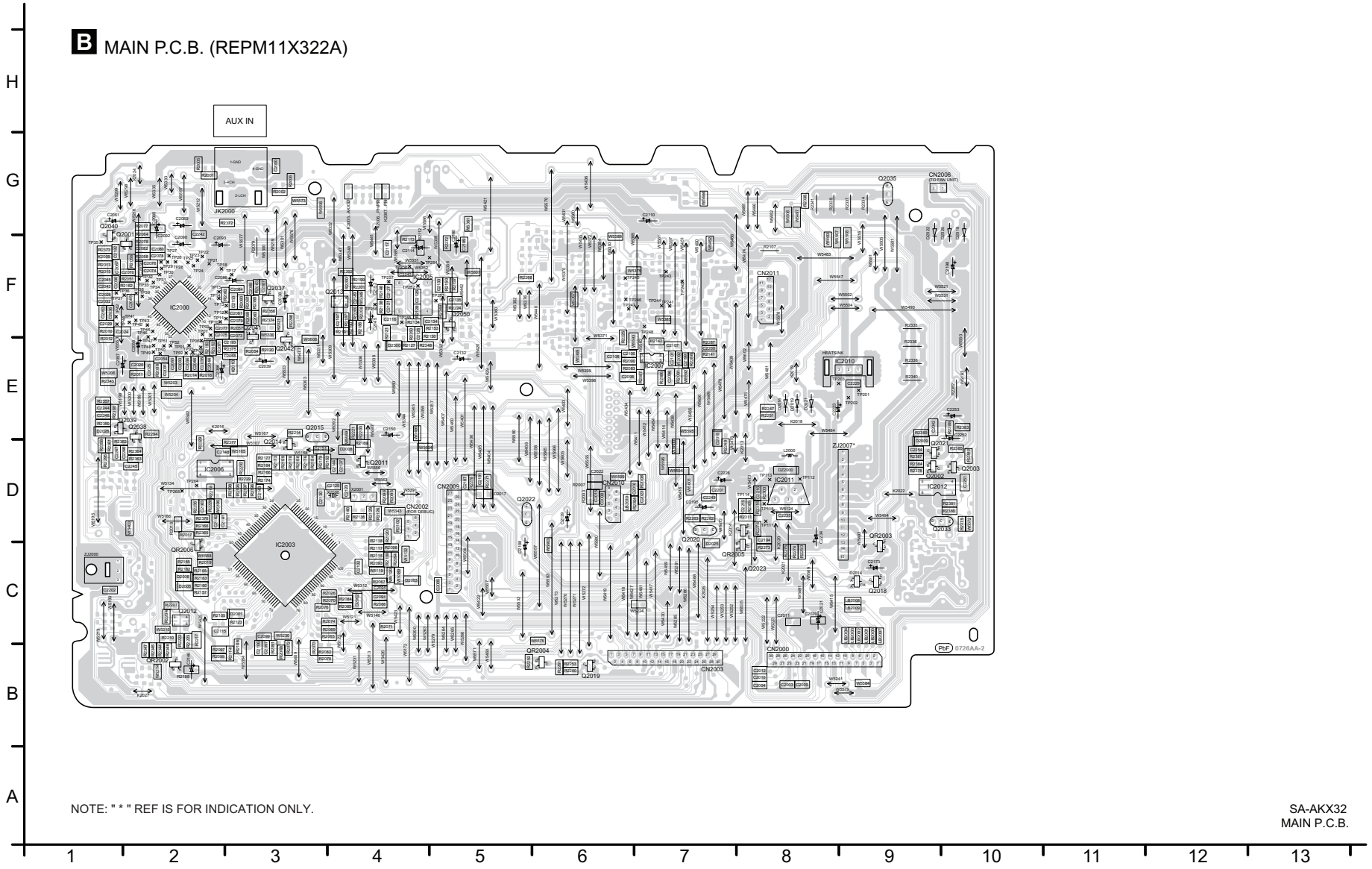
(SIDE B)

NOTE: " * " REF IS FOR INDICATION ONLY.

SA-AKX32
CD SERVO P.C.B.

18.2. Main P.C.B.

B MAIN P.C.B. (REPM11X322A)

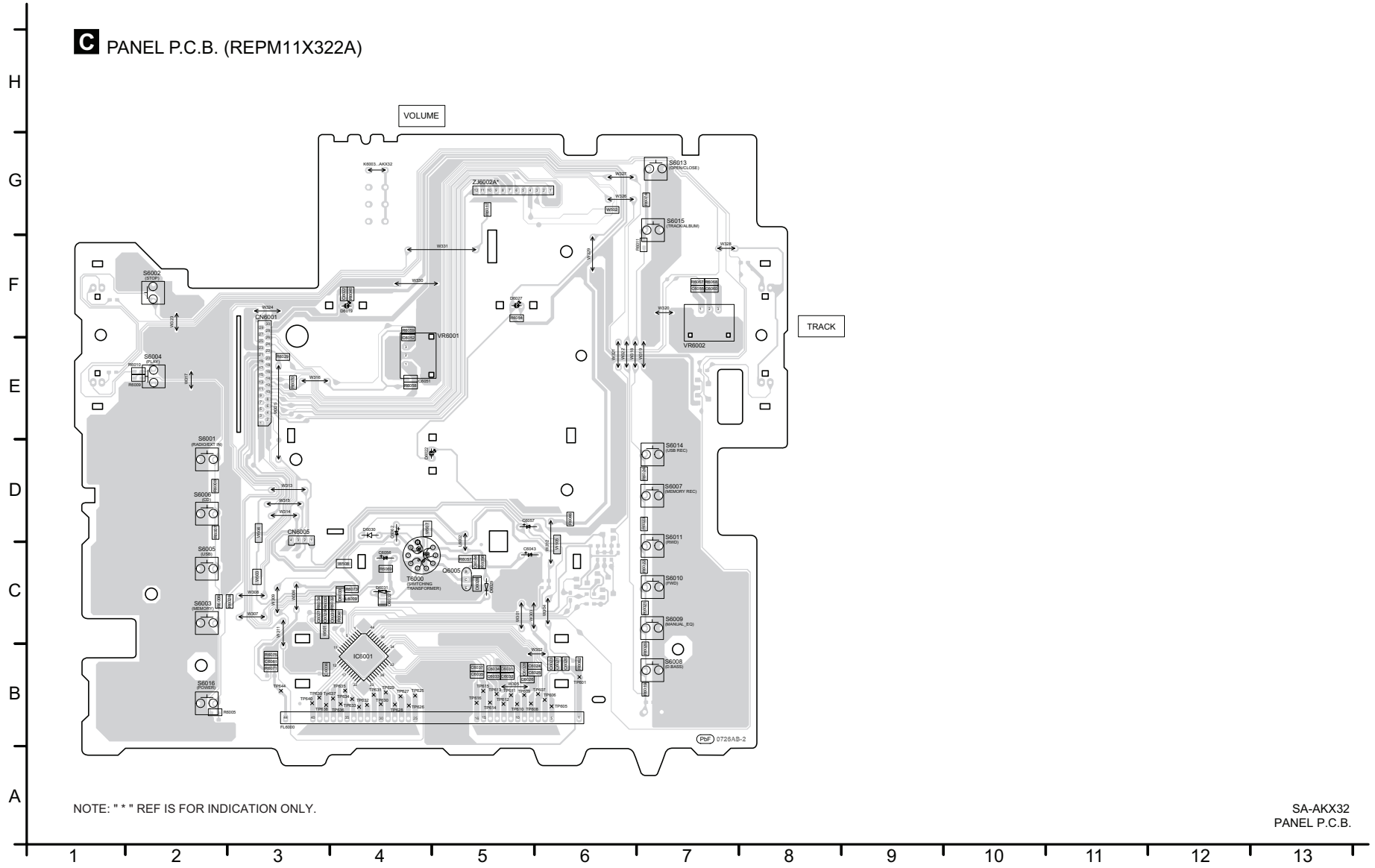


NOTE: " * " REF IS FOR INDICATION ONLY.

SA-AKX32
MAIN P.C.B.

18.3. Panel P.C.B.

C PANEL P.C.B. (REPM11X322A)

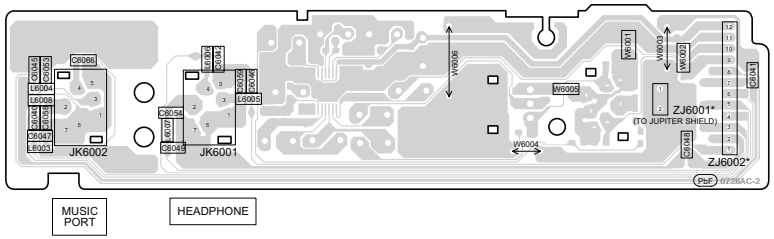


NOTE: " * " REF IS FOR INDICATION ONLY.

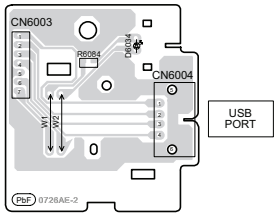
SA-AKX32
PANEL P.C.B.

18.4. Music Port, Remote Sensor, USB & Tuner P.C.B.

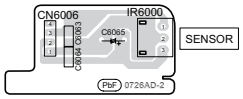
D MUSIC PORT P.C.B. (REPX0887HB)



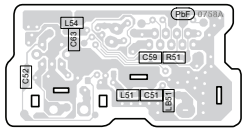
F USB P.C.B. (REPX0887HE)



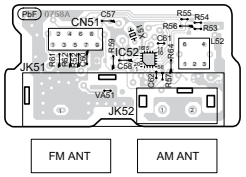
E REMOTE SENSOR P.C.B. (REPX0887HD)



G TUNER P.C.B. (REPX0928A)



(SIDE A)



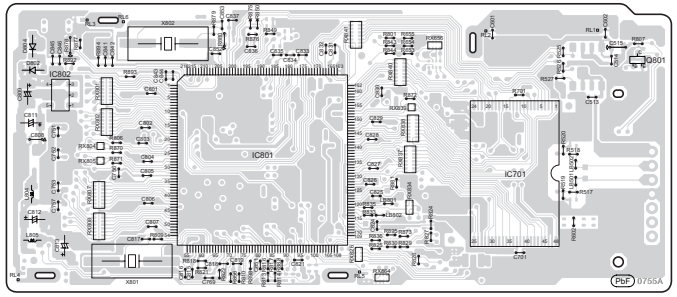
(SIDE B)

NOTE: " * " REF IS FOR INDICATION ONLY.

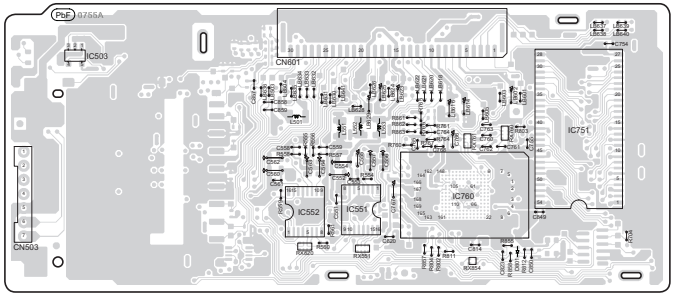
SA-AKX32
MUSIC PORT / REMOTE SENSOR / USB / TUNER P.C.B.

18.5. Jupiter P.C.B.

H JUPITER P.C.B. (RFKBX0922B)



(SIDE A)

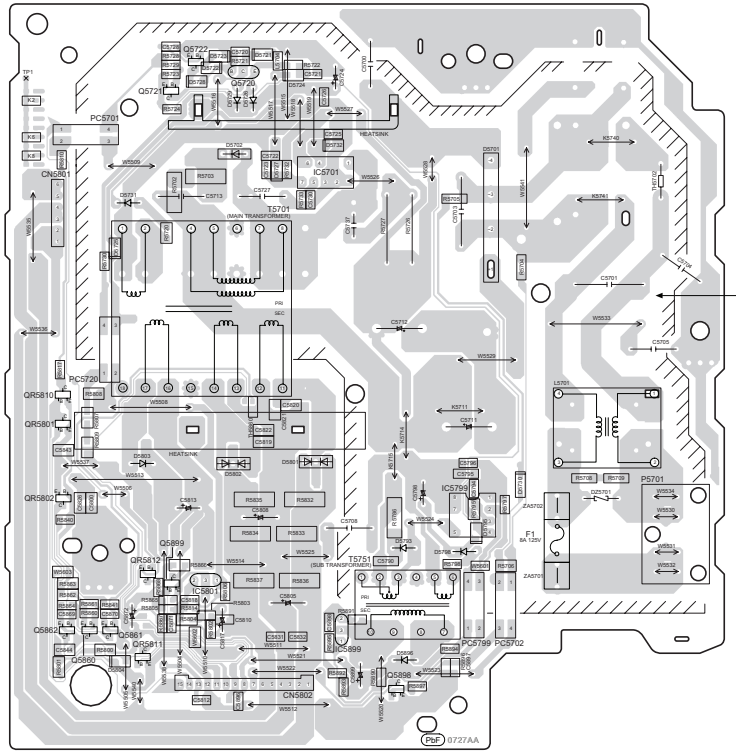


(SIDE B)

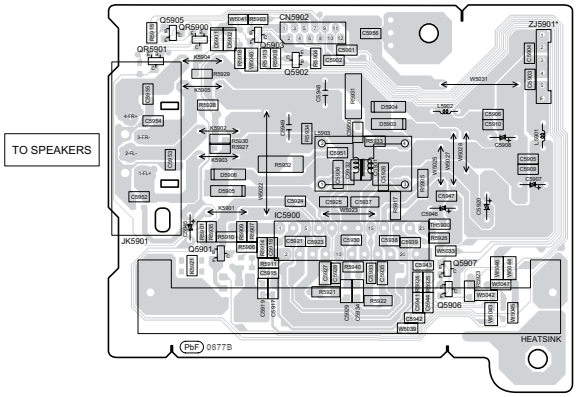
SA-AKX32
JUPITER P.C.B.

18.7. SMPS & D-Amp P.C.B.

J SMPS P.C.B. (REPM11X320A)



I D-AMP P.C.B. (REPM11X321A)



NOTE: " * " REF IS FOR INDICATION ONLY.

SA-AKX32
D-AMP / SMPS P.C.B.

19 Terminal Function of ICs

19.1. IC2003 (*MN101EF16KXW): IC MICRO-PROCESSOR

*Este material se encuentra sin programar, debe ser programado.

No	Pin Name	I/O	FUNCTION
1	Clip Attn	O	Clipping attenuation
2	ASP_Data	O	ASP data
3	ASP_Clk	O	ASP Clock
4	OCD_SDA	O	OCD Serial data
5	SW_MUTE	O	Subwoofer Muting
6	OCD_SCL	O	OC Serial Clock
7	SW_Lvl1	O	Subwoofer Level Setting 1
8	SW_Lvl2	O	Subwoofer Level Setting 2
9	DCDET1	I	DC DETECT (Power Supply Failure Detection)
10	DCDET2	I	DC Detect (D-AMP IC Failure Detection)
11	MMOD	-	Ground
12	XTOUT	O	Oscillator Output
13	XTIN	I	Oscillator Input
14	VSS	-	Ground
15	XI	I	Oscillator Output
16	XO	O	Oscillator Input
17	VDD33	-	+3.3V Voltage Supply
18	VDD18	-	+1.8V Voltage Supply
19	NRST	I	Active Low Reset Signal
20	SWJOGA	O	Subwoofer Jog A Control
21	SWJOGB	O	Subwoofer Jog B Control
22	TU_SDA	O	Tuner Serial Data
23	TU_CLK	O	Tuner Clock
24	TU_RST	O	Tuner Reset
25	TU_INT	I	Tuner Interrupt
26	BASS_SHIFT	O	Bass Level Meter Adjustment
27	SYNC	I	AC Failure Detection Input
28	PCONT	O	Power Control
29	SMPS_BP	O	SMPS Breatproof
30	CD_OPEN_SW	I	CD Open Switch Detection
31	NC	-	No connection
32	NC	-	No connection
33	NC	-	No connection
34	EE_DATA	O	EEPROM Serial Data
35	EE_CS	O	EEPROM Chip select
36	EE_CLK	O	EEPROM Clock
37	VDD18	-	+1.8V Voltage Supply
38	NC	O	No connection
39	VSS	-	Ground
40	NC	O	No connection
41	NC	-	No connection
42	NC	-	No connection
43	NC	-	No connection
44	Fan_Det	O	Fan Detection
45	CLOSE_SW	I	CD Close Switch Detection
46	LOAD_CW	O	Loading Motor Turning Clockwise (Tray Open)
47	LOAD_CCW	O	Loading Motor Turning Counter-Clockwise (Tray Close)
48	Fan_Out1	O	Fan Speed Control 1
49	Fan_Out2	I	Fan Speed Control 2
50	SW_LED	O	Subwoofer LED Drive
51	CD_RESET	O	CD Reset
52	CD_REST_SW	I	CD Reset Switch Detect
53	TRAVERSE_CW	O	Traverse motor turning clockwise
54	TRAVERSE_CCW	O	Traverse motor turning counter-clockwise
55	ECO_CNTRL	O	Eco Mode Control
56	NC	O	No connection
57	NC	O	No connection
58	NC	-	No connection
59	NC	-	No connection
60	NC	-	No connection
61	NC	-	No connection
62	NC	-	No connection
63	VSS	-	Ground
64	NC	-	No connection
65	NC	-	No connection
66	NC	-	No connection
67	NC	-	No connection
68	NC	-	No connection
69	CR TIMER	I	CR Timer
70	NC	-	No connection
71	NC	-	No connection
72	NC	-	No connection
73	M.PORT_SW	I	Music Port Detect
74	HP_SW	I	Headphone Detect
75	SD_INT	O	SD Interrupt
76	SD_CMD	O	SD Command
77	SD_STAT	I	SD Status
78	SD_NRST	O	SD Active Low Reset
79	USB REC LED	O	USB Rec LED Drive
80	MUTE_S	O	Surround Muting
81	MUTE_A	O	Audio Output Muting
82	REGION 2	I	Region Setting 2
83	MODE_DA	O	D-AMP IC Mode Switch
84	F_HOP1	O	Frequency Hopping
85	MUTE_F	O	Digital Amp Muting control
86	RMT	I	Remote control Signal
87	Vol_Jog A	O	Volume Jog A Signal
88	Vol_Jog B	O	Volume Jog B Signal
89	VDD	-	Voltage Supply
90	LED DIMMER	O	LCD Display Brightness Control
91	VSS	-	Ground
92	REGION 1	AN0	Region Setting 1
93	CLIP SENSOR	AN1	Clipping sensor (Volume - ASP Bass control)
94	Auto Bass	AN2	Auto Bass setting adjustment
95	ROTARY SKIP	AN3	Rotary skip for browse operation (Album - Track)
96	Lvl Mtr	AN4	Bass Lever Meter Control
97	TEMP_DET	AN5	Temperature Detect
98	KEY 2	AN6	Key 2 Input
99	KEY 1	AN7	Key 1 Input
100	VREF+	-	Voltage Supply

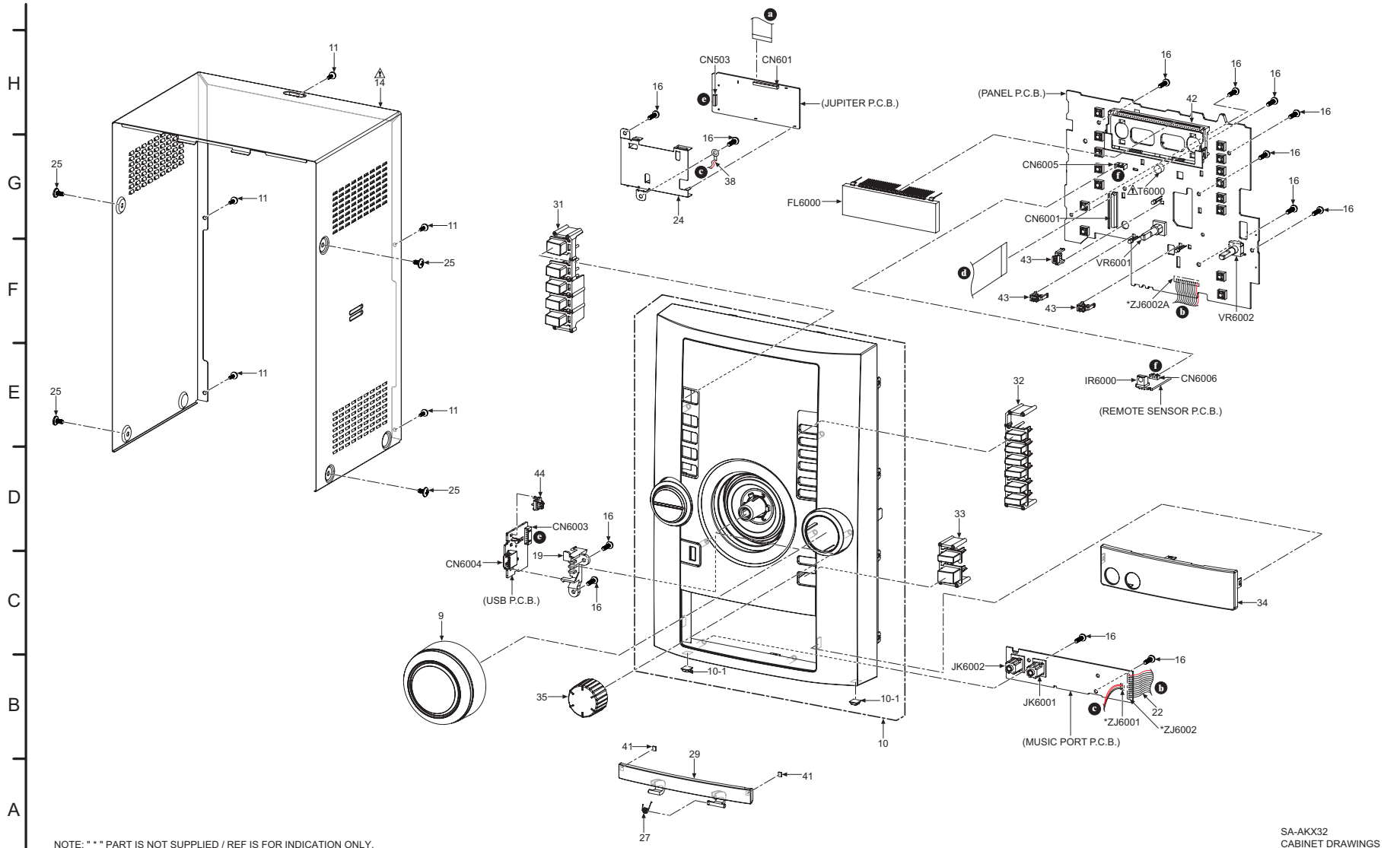
19.2. IC6001(C0HBB0000057): IC FL Driver

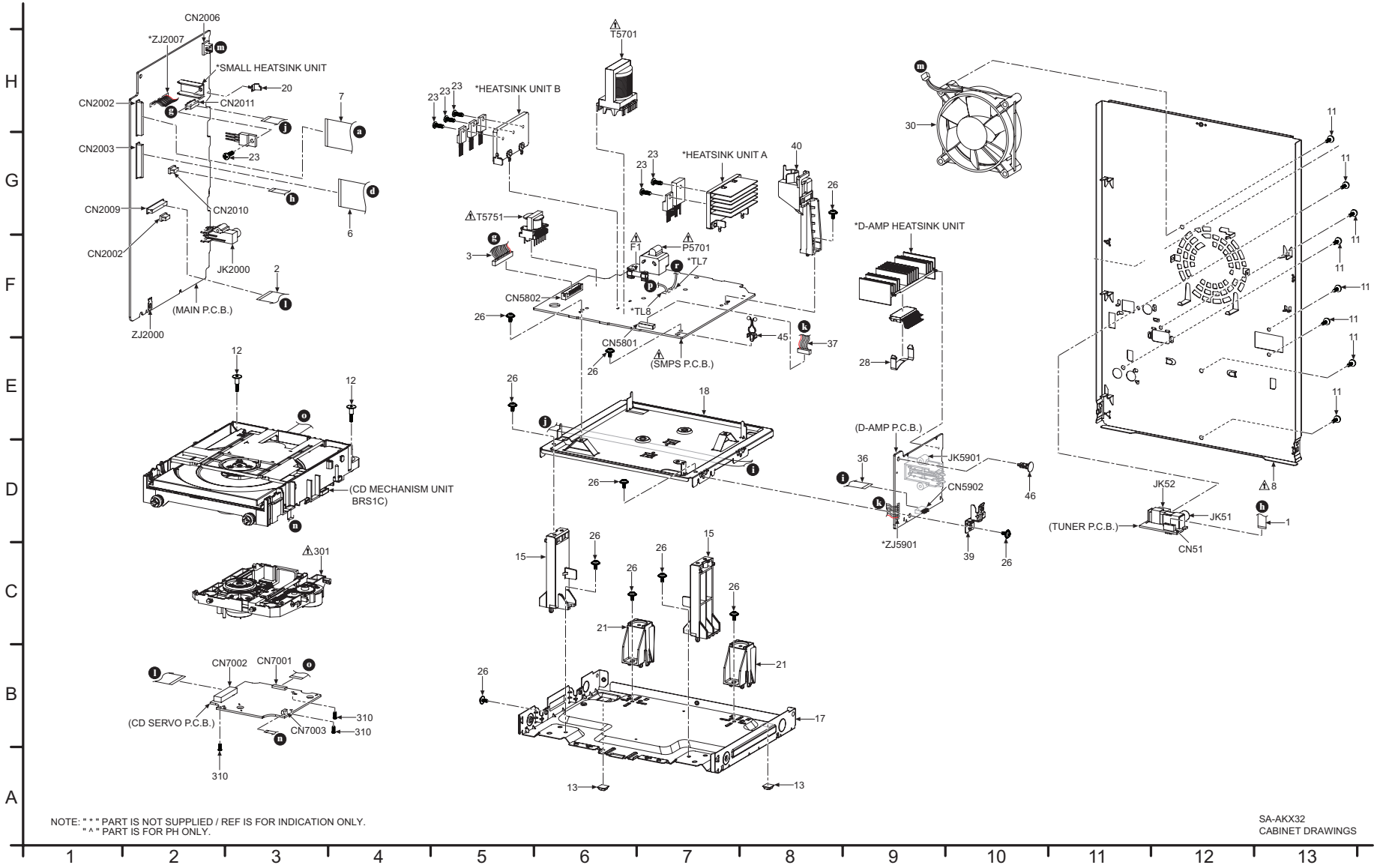
Pin No.	Terminal Name	I/O	Function
1	P0	-	No Connection
2	P1	-	No Connection
3	P2	-	No Connection
4	P3	-	No Connection
5	OSC	I	Oscillator Input
6	NC	-	No Connection
7	DIN	I	Data Input
8	CLK	I	Clock Input
9	STB	I	Serial Interface Strobe Pin
10	K1	I	Key Data Input 1
11	K2	I	Key Data Input 2
12	VSS	-	GND
13	VDD	-	Power Supply (+5V)
14	S1	O	Segment Output 1
15	S2	O	Segment Output 2
16	S3	O	Segment Output 3
17	S4	O	Segment Output 4
18	S5	O	Segment Output 5
19	S6	O	Segment Output 6
20	S7	O	Segment Output 7
21	S8	O	Segment Output 8
22	S9	O	Segment Output 9
23	S10	O	Segment Output 10
24	S11	O	Segment Output 11
25	S12	O	Segment Output 12
26	S13	O	Segment Output 13
27	S14	O	Segment Output 14
28	S15	O	Segment Output 15
29	S16	O	Segment Output 16
30	VEE	-	Negative Power Supply
31	G12	O	Grid Segment Output 12
32	G11	O	Grid Segment Output 11
33	G10	O	Grid Segment Output 10
34	G9	O	Grid Segment Output 9
35	G8	O	Grid Segment Output 8
36	G7	O	Grid Segment Output 7
37	G6	O	Grid Segment Output 6
38	G5	O	Grid Segment Output 5
39	G4	O	Grid Segment Output 4
40	G3	O	Grid Segment Output 3
41	G2	O	Grid Segment Output 2
42	G1	O	Grid Segment Output 1
43	VDD	-	Positive Power Supply
44	VSS	-	GND

20 Exploded View and Replacement Parts List

20.1. Exploded View and Mechanical replacement Part List

20.1.1. Cabinet Parts Location

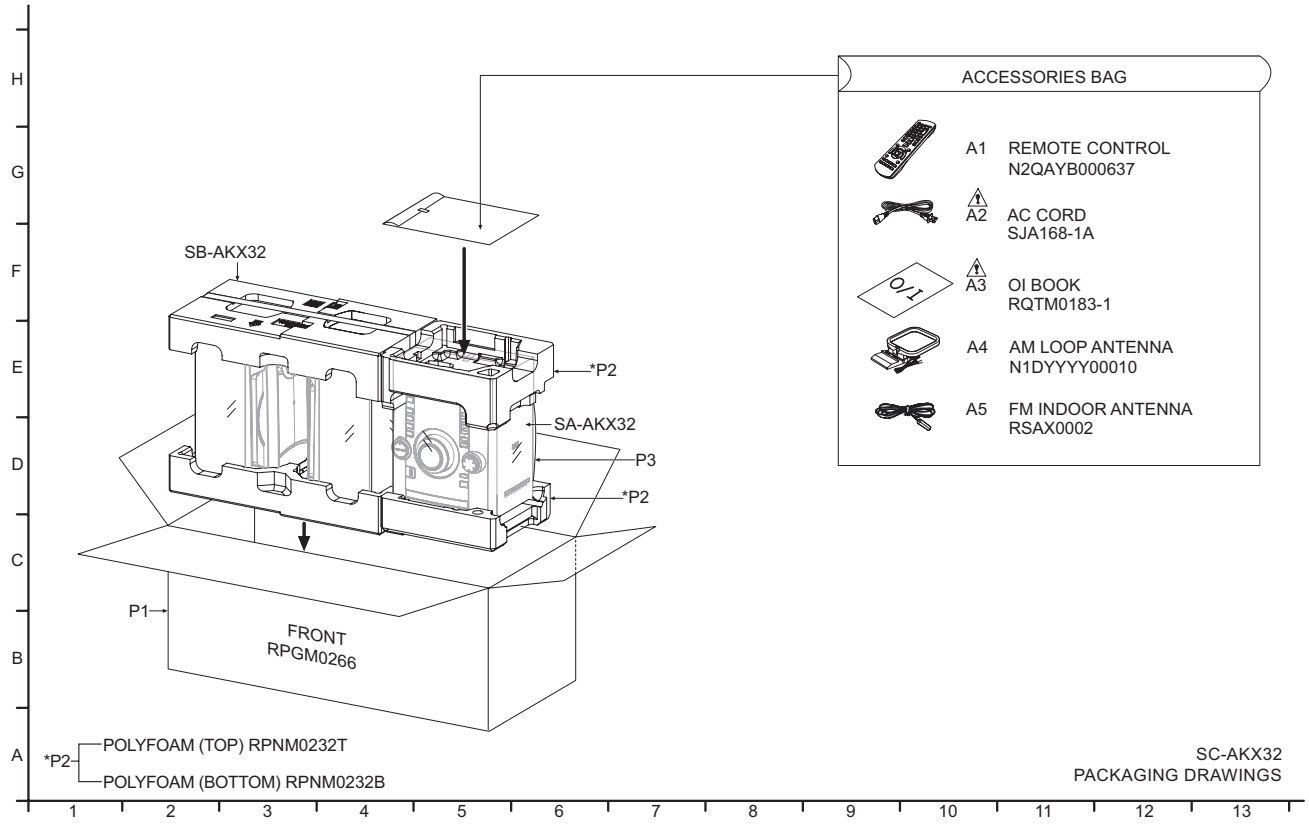




NOTE: " * " PART IS NOT SUPPLIED / REF IS FOR INDICATION ONLY.
" ^ " PART IS FOR PH ONLY.

SA-AKX32
CABINET DRAWINGS

20.1.2. Packaging



20.1.3. Mechanical Replacement Part List

Important Safety Notice

Components identified by ⚠ mark have special characteristics important for safety.
When replacing any of these components, use only manufacturer's specified parts.

RTL (Retention Time Limited)

Note: The marking (RTL) indicates that the Retention Time is Limited for this item. 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 availability is dependant 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.

Note:

- When replacing any of these components, be sure to use only manufacturer's specified parts shown in the replacement part list.
- The parenthesized indications on the Remarks column specify the destination & product color (Refer to the cover page for the information).
- Parts without these indications shall be used for all areas.
- This product uses a laser diode. Refer to "Precaution of Laser Diode".
- All parts mentioned are supplied by PAVCSG unless indicated likewise.
- Parts mentioned [SPG] in the Remarks column are supplied by PAVC-CSG.
- Reference for O/I book languages are as follows:

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

Safety	Ref. No.	Part No.	Part Name & Description	Qty	Remarks
			CABINET AND CHASSIS		
	1	REEX1261	9P FFC (MAIN-TUNER)	1	
	2	REEX1259	27P FFC (MAIN-CD)	1	
	3	REXX1206	15P CABLE WIRE (MAIN-SMPS)	1	
	6	REEX1255	30P FFC (MAIN-PANEL)	1	
	7	REEX1258-1	30P FFC (MAIN-JUPITER)	1	
⚠	8	RXTM0002-A	REAR PANEL	1	
	9	RGWX0112-S1	VOLUME KNOB	1	
	10	RYPM0295	FRONT PANEL ASS'Y	1	
	10-1	RKAX0042-K	LEG RUBBER	2	
	11	RHD30119-S	SCREW	13	
	12	RHDX031008	SCREW	2	
	13	RKAX0042-K	LEG CUSHION	2	
⚠	14	RKMX1011Z-KL	TOP CABINET	1	
	15	RMAX1007	CHASSIS SUPPORT	2	
	16	RHD26046-L	SCREW	13	
	17	RXKM0005	BOTTOM CHASSIS	1	

Safety	Ref. No.	Part No.	Part Name & Description	Qty	Remarks
	18	RXSM0002	INNER CHASSIS	1	
	19	RMNX0287B	USB JACK HOLDER	1	
	20	RMCX1010	JACK PCB GROUND SPRING	1	
	21	RMQX1088	MECHA SUPPORT	2	
	22	RWJA012210XX	12P CABLE WIRE (PANEL-MUSIC PORT)	1	
	23	XTB3+10JFJ	SCREW	6	
	24	RSCX1056	JUPITER SHIELD PLATE	1	
	25	RHD30007-K2J	SCREW	4	
	26	RHD30111-31	SCREW	11	
	27	RMBX0073	CD LID OPEN SPRING	1	
	28	RMCX0035	HEAT SINK CLIP A	1	
	29	RGKX1073B-KL	CD LID	1	
	30	L6FALEFH0030	FAN UNIT ASS'Y	1	
	31	RGUX1044B-KL	POWER BUTTON	1	
	32	RGUX1045A-KL	MANUAL EQ BUTTON	1	
	33	RGUX1046-KL	CD OPEN BUTTON	1	
	34	RGKX1076A-KL	UNDER ORNAMENT	1	
	35	RGWX0113-S	SKIP KNOB	1	
	36	REEX1262	12P FFC (MAIN TO DAMP)	1	
	37	REXX1156	6P CABLE WIRE (DAMP-SMPS)	1	
	38	REXX1208	2P WIRE (MUSIC PORT-JUPITER SHIELD)	1	
	39	RMAX1002A-1	D-AMP BRACKET	1	
	40	RMKX1016-3	FAN FIXTURE	1	
	41	RMGX0033	CD LID CUSHION	2	
	42	RMNV0079-1	FL HOLDER	1	
	43	RMNX0151	LED HOLDER	3	

Safety	Ref. No.	Part No.	Part Name & Description	Qty	Remarks
	44	RMNX0190	LED HOLDER	1	
	45	RMNX1025	WIRE HOLDER	1	
	46	RMQ1702	PCB SPACER	1	
				1	
			TRAVERSE DECK		
⚠		RD-DDL082-PX	BRS1C CD UNIT	1	
⚠	301	RAEX1033Z-V	TRAVERSE ASS'Y	1	
	310	XTN2+6GFJ	SCREW	3	
			PACKING MATERI-ALS		
	P1	RPGM0266	PACKING CASE	1	
	P2	RPNM0232T/B	POLYFOAM	1	
	P3	RPFX0198	MIRAMAT	1	
			ACCESSORIES		
	A1	N2QAYB000637	REMOTE CONTROL	1	
⚠	A2	SJA168-1A	AC CORD	1	
⚠	A3	RQTM0183-1	O/I BOOK (Sp)	1	
	A4	N1DYYYY00010	AM LOOP ANTENNA	1	
	A5	RSAX0002	FM INDOOR ANTENNA	1	

20.2. Electrical Replacement Part List

Important Safety Notice

Components identified by ⚠ mark have special characteristics important for safety.
When replacing any of these components, use only manufacturer's specified parts.

RTL (Retention Time Limited)

Note: The marking (RTL) indicates that the Retention Time is Limited for this item.
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 availability is dependant 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.

Note:

- When replacing any of these components, be sure to use only manufacturer's specified parts shown in the replacement part list.
- The parenthesized indications on the Remarks column specify the destination & product color (Refer to the cover page for the information).
- Parts without these indications shall be used for all areas.
- This product uses a laser diode. Refer to "Precaution of Laser Diode".
- Capacitor value are in microfarads (uF) unless specified otherwise, P=Pico-farads (pF), F=Farads.
- Resistance values are in ohms, unless specified otherwise, 1K=1000 (OHM).
- All parts mentioned are supplied by PAVCSG unless indicated likewise.
- Parts mentioned [SPG] in the Remarks column are supplied by PAVC-CSG.

Lista de Partes Eléctrica

Safety	Ref No.	Part No.	Part Name & Description
		REPM11X320A	CONJUNTO MANUAL SMPS AKX32
	C5727	F1B3A3320012	CAPACITOR
	C5712	F2B2D5610024	CAPACITOR
	C5808	F2A1H2220043	E-Cap
	C5805	F2A1H2220043	E-Cap
	D5802	B0ABSM000008	DIODO
	D5801	B0ABSM000008	DIODO
△	T5751	ETS19AB2E6AG	Backup Switching Transformer
△	T5701	G4DYZ0000050	39V trans (high power) PN
	ZA5801	RXXX0105-J	HEATSINK
	ZA5900	XTB3+10JFJ	TORNILLO
	ZA5901	XTB3+10JFJ	TORNILLO
	ZA5902	XTB3+10JFJ	TORNILLO
	ZA5904	XTB3+10JFJ	TORNILLO
	ZA5903	XTB3+10JFJ	TORNILLO
		REAM11X320A	CONJUNTO SMT SMPS AKX32
	C5795	F1K1H105A149	CHIP CAPACITOR
	C5730	F1H1E105A116	CHIP CAPACITOR
	C5721	F1H1H2210001	CHIP CAPACITOR
	C5821	F1J2E1030004	CHIP CAPACITOR
	C5820	F1J2E1030004	CHIP CAPACITOR
	C5822	F1J2E1030004	CHIP CAPACITOR
	C5826	F1J2E1030004	CHIP CAPACITOR
	C5800	F1J2E1030004	CHIP CAPACITOR
	C5819	F1J2E1030004	CHIP CAPACITOR
	D5795	B0BC9R000008	DIODO
	D5722	B0BC019A0007	DIODE
	C5843	F1J1A106A043	CHIP CAPACITOR
	D5721	B0BC018A0267	DIODO
	D5724	B0ACCK000012	DIODE
	C5844	F1J1A106A043	CHIP CAPACITOR
	D5730	B0ECET000002	DIODO
	D5732	B0BC035A0007	DIODE
	D5725	B0BC6R100010	DIODO
	D5723	B0ACCK000012	DIODE
	D5727	B0ACCK000012	DIODE
	D5728	B0ACCK000012	DIODE
	D5804	B0ACCK000012	DIODE
	Q5721	B1ADCF000001	TRANSISTOR
	Q5860	B1ADCF000001	TRANSISTOR
	K4	ERJ3GEY0R00V	CHIP JUMPER
	L5704	J0JBC0000019	CHIP INDUCTOR
	Q5722	B1ABCF000176	TRANSISTOR
	Q5861	B1ABCF000176	TRANSISTOR
	QR5802	B1GDCFGA0018	TRANSISTOR
	QR5812	B1GDCFJJ0047	TRANSISTOR
	QR5811	B1GBCFJJ0051	TRANSISTOR
	Q5898	B1ABCF000176	TRANSISTOR
	Q5862	B1GBCFJJ0051	TRANSISTOR
	Q5899	B1ABGC000001	TRANSISTOR
	QR5801	B1GBCFJN0038	CHIP TRANSISTOR
	R5703	D0GZ333JA012	CHIP RESISTOR
	R5702	D0GZ333JA012	CHIP RESISTOR
	R5721	ERJ6GEYJ103V	R.CHIP
	R5706	ERJ6GEYJ824V	RESISTENCIA CHIP
	R5720	ERJ6GEYJ220V	R.CHIP
	QR5810	B1GBCFLL0037	CHIP TRANSISTOR
	R5708	ERJ8GEYJ155V	CHIP RESISTOR
	R5709	ERJ8GEYJ155V	CHIP RESISTOR
	R5723	ERJ3GEYJ102V	CHIP RESISTOR
	R5722	ERJ6GEYJ122V	R.CHIP
	R5704	ERJ8GEYJ224V	CHIP RESISTOR
	R5705	ERJ8GEYJ224V	CHIP RESISTOR
	R5724	ERJ6GEYJ121V	R.CHIP
	R5728	ERJ3GEYJ104V	CHIP RESISTOR
	R5801	ERJ6GEYJ223V	R.CHIP
	R5733	ERJ3GEYJ473V	RESISTENCIA CHIP PELƎCULA
	R5797	ERJ3GEYJ153V	RESISTENCIA CHIP PELƎCULA
	R5732	ERJ3GEYJ101V	CHIP RESISTOR
	R5729	ERJ6GEYJ103V	R.CHIP
	R5798	ERJ3GEYJ220V	RESISTENCIA CHIP
	R5730	ERJ3GEYJ102V	CHIP RESISTOR
	R5795	ERJ6GEYJ474V	R.CHIP
	R5805	ERJ3RBD332V	Resistor

	R5803	ERJ3RBD103V	RESISTENCIA CHIP PELƎCULA
	R5814	ERJ3GEYJ822V	RESISTENCIA CHIP PELƎCULA
	R5806	ERJ3GEYJ153V	RESISTENCIA CHIP PELƎCULA
	R5808	ERJ6GEYJ222V	R.CHIP
	R5802	ERJ3RBD103V	RESISTENCIA CHIP PELƎCULA
	R5809	ERJ6GEYJ331V	R.CHIP
	R5817	ERJ3GEYJ331V	RESISTENCIA CHIP PELƎCULA
	R5810	ERJ3GEYJ331V	RESISTENCIA CHIP PELƎCULA
	R5800	ERJ6GEYJ153V	R.CHIP
	R5807	ERJ6GEYJ331V	R.CHIP
	R5867	ERJ3GEYJ104V	CHIP RESISTOR
	R5841	ERJ3GEYJ124V	CHIP RESISTOR
	R5863	ERJ6GEYJ183V	R.CHIP
	R5860	ERJ3GEYF103V	CHIP RESISTOR
	R5832	D0GZ222JA012	CHIP RESISTOR
	R5834	D0GZ222JA012	CHIP RESISTOR
	R5864	ERJ3GEYF103V	CHIP RESISTOR
	R5804	ERJ6RBD823V	Resistor
	R5862	ERJ6GEYJ183V	R.CHIP
	R5866	ERJ6GEYJ220V	R.CHIP
	R5897	ERJ3GEYJ101V	CHIP RESISTOR
	R5868	ERJ3GEYJ223V	RESISTENCIA CHIP PELƎCULA
	R5896	ERJ3GEYJ104V	CHIP RESISTOR
	R5895	ERJ3GEYJ153V	RESISTENCIA CHIP PELƎCULA
	R5840	ERJ3GEYJ823V	CHIP RESISTOR
	R5891	ERJ3RBD333V	CHIP RESISTOR
	R5890	ERJ3GEYJ222V	CHIP RESISTOR
	R5893	ERJ3RBD103V	RESISTENCIA CHIP PELƎCULA
	R5865	ERJ3RBD221V	Resistor
	R5892	ERJ3RBD102V	CHIP RESISTOR
	R5894	ERJ3GEYJ151V	RESISTENCIA CHIP PELƎCULA
	TH5860	D4CC11040013	CHIP TERMISTOR
	W5603	ERJ6GEY0R00V	CHIP JUMPER
	W5601	ERJ3GEY0R00V	CHIP JUMPER
		RENM11X320A	CONJUNTO RADIAL SMPS AKX32
	C5724	F2A1H5600009	CHIP CAPACITOR
	C5813	F2A1V331B150	CAPACITOR
	C5798	F2A1E221B422	CAPACITOR
	D5729	B0EAMM000057	DIODO
	IC5899	C0DAEMZ00001	CIRCUITO INTEGRADO
	D5726	B0EAKM000117	DIODO
	IC5801	C0DABFC00002	CIRCUITO INTEGRADO
	D5896	B0EAMM000057	DIODO
	D5798	B0EAMM000057	DIODO
	D5731	B0EAMM000057	DIODO
	Q5720	B1BABG000007	TRANSISTOR
	ZA5701	K3GE1ZZ00001	PORTAFUSIBLE
	ZA5702	K3GE1ZZ00001	PORTAFUSIBLE
△		K5D802APA008	FUSIBLE PRIMARIO
		RENM11X320AZ	CONJUNTO AXIAL SMPS AKX32
		RENM11X320AJ	CONJUNTO JUMPER SMPS AKX30
△	PCB	RJBX0727A-1	PCB SMPS
	K14	Z-W6NL	ALAMBRE JUMPER
	K5711	Z-W6NL	ALAMBRE JUMPER
	K5714	Z-W6NL	ALAMBRE JUMPER
	K5715	Z-W6NL	ALAMBRE JUMPER
	W5513	Z-W6NL	ALAMBRE JUMPER
	W5511	Z-W6NL	ALAMBRE JUMPER
	W5510	Z-W6NL	ALAMBRE JUMPER
	W5514	Z-W6NL	ALAMBRE JUMPER
	W5509	Z-W6NL	ALAMBRE JUMPER
	W5512	Z-W6NL	ALAMBRE JUMPER
	W5508	Z-W6NL	ALAMBRE JUMPER
	W5505	Z-W6NL	ALAMBRE JUMPER
	W5504	Z-W6NL	ALAMBRE JUMPER
	W5506	Z-W6NL	ALAMBRE JUMPER
	W5515	Z-W6NL	ALAMBRE JUMPER
	W5519	Z-W6NL	ALAMBRE JUMPER
	W5523	Z-W6NL	ALAMBRE JUMPER
	W5522	Z-W6NL	ALAMBRE JUMPER
	W5517	Z-W6NL	ALAMBRE JUMPER
	W5525	Z-W6NL	ALAMBRE JUMPER
	W5516	Z-W6NL	ALAMBRE JUMPER
	W5526	Z-W6NL	ALAMBRE JUMPER
	W5524	Z-W6NL	ALAMBRE JUMPER

	W5521	Z-W6NL	ALAMBRE JUMPER
	W5520	Z-W6NL	ALAMBRE JUMPER
	W5528	Z-W6NL	ALAMBRE JUMPER
	W5529	Z-W6NL	ALAMBRE JUMPER
	W5533	Z-W6NL	ALAMBRE JUMPER
	W5535	Z-W6NL	ALAMBRE JUMPER
	W5538	Z-W6NL	ALAMBRE JUMPER
	W5532	Z-W6NL	ALAMBRE JUMPER
	W5518	Z-W6NL	ALAMBRE JUMPER
	W5537	Z-W6NL	ALAMBRE JUMPER
	W5530	Z-W6NL	ALAMBRE JUMPER
	W5534	Z-W6NL	ALAMBRE JUMPER
	W5531	Z-W6NL	ALAMBRE JUMPER
	W5540	Z-W6NL	ALAMBRE JUMPER
	W5536	Z-W6NL	ALAMBRE JUMPER
	W5527	Z-W6NL	ALAMBRE JUMPER
	W5541	Z-W6NL	ALAMBRE JUMPER
	K5740	Z-W6NL	ALAMBRE JUMPER
	K5741	Z-W6NL	ALAMBRE JUMPER
	C5817	F2A2AR100002	CAPACITOR
	C5899	F2A1A221B161	CAPACITOR
	C5872	F2A0J222A247	CAPACITOR
		TB-2217-H-1	AFHESIVO PANASERT SMT
	C5720	F1H1H104A013	CHIP CAPACITOR
	C5722	F1H1H102A219	CHIP CAPACITOR
	C5723	F1H1H471A219	CHIP CAPACITOR
	C5725	F1H1H104A013	CHIP CAPACITOR
	C5726	F1H1H104A013	CHIP CAPACITOR
	C5728	F1H1H102A219	CHIP CAPACITOR
	C5794	F1H1H102A219	CHIP CAPACITOR
	C5796	F1H1H104A013	CHIP CAPACITOR
	C5810	F1H1H104A013	CHIP CAPACITOR
	C5812	F1H1H104A013	CHIP CAPACITOR
	C5818	F1H1H104A013	CHIP CAPACITOR
	C5831	F1H1H104A013	CHIP CAPACITOR
	C5832	F1H1H104A013	CHIP CAPACITOR
	C5869	F1H1H104A013	CHIP CAPACITOR
	C5870	F1H1H104A013	CHIP CAPACITOR
	C5871	F1H1H103A219	CHIP CAPACITOR
	C5896	F1H1H104A013	CHIP CAPACITOR
	C5897	F1H1H104A013	CHIP CAPACITOR
	C5898	F1H1H104A013	CHIP CAPACITOR
△	PC5701	B3PBA0000503	OPTO ACOPLADOR
△	PC5702	B3PBA0000503	OPTO ACOPLADOR
△	PC5720	B3PBA0000503	OPTO ACOPLADOR
△	PC5799	B3PBA0000503	OPTO ACOPLADOR
	R5833	D0GZ222JA012	CHIP RESISTOR
	R5835	D0GZ222JA012	CHIP RESISTOR
	R5836	D0GZ222JA012	CHIP RESISTOR
	R5837	D0GZ222JA012	CHIP RESISTOR
	R5861	ERJ3GEYF332V	CHIP RESISTOR
	W5602	ERJ6GEY0R00V	CHIP JUMPER
	W5604	ERJ3GEY0R00V	CHIP JUMPER
	C5900	F1J1A106A043	CHIP CAPACITOR
	R5898	ERJ3GEYF103V	CHIP RESISTOR
	TH5861	D4CC11040013	CHIP TERMISTOR
△	C5704	F1BAF471A013	CHIP CAPACITOR
△	C5705	F1BAF471A013	CHIP CAPACITOR
△	L5701	G0B612H00002	Bobina
△	C5700	F1BAF471A013	CHIP CAPACITOR
△	C5708	F1BAF1020020	CAPACITOR
	C5713	F0C2J1030007	CAPACITOR
△	C5701	F0CAF104A105	CAPACITOR
△	C5703	F0CAF224A105	CAPACITOR
△	DZ5701	ERZV10V511CS	ZNR
	CN5801	K1KA06AA0180	CONECTOR
	D5701	B0FBAR000043	DIODO
	D5803	B0HFRJ000012	DIODE
	CN5802	K1KA15AA0194	CONECTOR 12 PIN
	D5702	B0ZAZ0000052	DIODO
△	P5701	K2AA2B000017	AC INLET CONECTOR
	IC5799	MIP2F20MSSCF	Intelligent power device
	IC5701	C5HACYY00004	CIRCUITO INTEGRADO
	R5727	ERX2SZJR10P	RESISTENCIA
	R5726	ERX2SZJR10P	RESISTENCIA

	TH5702	D4CAA2R20001	Termistor
	ZA5703	RXXX0104	HEATSINK UNIT B
		RAIM11X321A	CONJUNTO D-AMP AKX32
		REPM11X321A	CONJUNTO MANUAL D-AMP AKX32
	CN5902	K1MY12AA0124	CONECTOR 12 PIN
	L5903	G0A150L00003	BOBINA
	JK5901	K4AL04B00001	2CH SPEAKER JACK
	IC5900	C1BA00000497	D-AMP IC
	ZA5901	RMYX1012	Heatsink bend (Silver)
	ZA5902	RMCX0035	CLIP METALICO
		REAM11X321A	CONJUNTO SMT D-AMP AKX32
	C5910	F1H1H104A013	CHIP CAPACITOR
	C5909	F1H1H104A013	CHIP CAPACITOR
	C5906	F1H1H104A013	CHIP CAPACITOR
	C5905	F1H1H104A013	CHIP CAPACITOR
	C5904	F1H1H104A013	CHIP CAPACITOR
	C5915	F1H1A474A001	CHIP CAPACITOR
	C5902	F1H1H102A219	CHIP CAPACITOR
	C5901	F1H1H102A219	CHIP CAPACITOR
	C5917	F1H1H102A219	CHIP CAPACITOR
	C5903	F1H1H104A013	CHIP CAPACITOR
	C5919	F1H1A474A001	CHIP CAPACITOR
	C5944	F1H1A474A001	CHIP CAPACITOR
	C5941	F1H1A474A001	CHIP CAPACITOR
	C5918	F1H1H331A013	CHIP CAPACITOR
	C5951	F1H1H104A013	CHIP CAPACITOR
	C5952	F1H1H104A013	CHIP CAPACITOR
	C5953	F1H1H104A013	CHIP CAPACITOR
	C5955	F1H1H104A013	CHIP CAPACITOR
	C5938	F1H1H104A013	CHIP CAPACITOR
	C5954	F1H1H104A013	CHIP CAPACITOR
	C5950	F1H1H104A013	CHIP CAPACITOR
	C5939	F1H1H104A013	CHIP CAPACITOR
	C5937	F1K2A1040007	CHIP CAPACITOR
	C5925	F1K2A1040007	CHIP CAPACITOR
	C5924	F1H1H221A219	CHIP CAPACITOR
	C5943	F1H1H331A013	CHIP CAPACITOR
	C5931	F1H1H104A013	CHIP CAPACITOR
	C5928	F1H1H153A219	CHIP CAPACITOR
	C5932	F1H1H104A013	CHIP CAPACITOR
	C5923	F1H1H104A013	CHIP CAPACITOR
	C5921	F1H1H104A013	CHIP CAPACITOR
	C5956	D0GBR00JA008	CHIP JUMPER
	C5942	F1H1H102A219	CHIP CAPACITOR
	D5901	B0ACCK000012	DIODE
	D5902	B0ACCK000012	DIODE
	C5933	F1H1H153A219	CHIP CAPACITOR
	C5947	F1H1H102A219	CHIP CAPACITOR
	R5910	ERJ3RBD273V	CHIP RESISTOR
	Q5901	B1ABGC000005	TRANSISTOR
	R5918	ERJ3RBD272V	CHIP RESISTOR
	R5913	ERJ3RBD272V	CHIP RESISTOR
	D5906	B0HCSP000001	CHIP DIODO
	D5904	B0HCSP000001	CHIP DIODO
	D5903	B0HCSP000001	CHIP DIODO
	QR5901	B1GDCFJJ0047	TRANSISTOR
	R5901	ERJ3GEYJ124V	CHIP RESISTOR
	R5914	ERJ3GEYJ562V	CHIP RESISTOR
	R5911	ERJ3GEYJ562V	CHIP RESISTOR
	Q5903	B1ABCF000176	TRANSISTOR
	Q5905	B1ABCF000176	TRANSISTOR
	Q5906	B1ABCF000176	TRANSISTOR
	R5917	ERJ8GEYJ100V	CHIP RESISTOR
	R5905	ERJ8GEYJ100V	CHIP RESISTOR
	D5905	B0HCSP000001	CHIP DIODO
	Q5907	B1ABCF000176	TRANSISTOR
	R5907	ERJ3GEY0R00V	CHIP JUMPER
	K5921	ERJ3GEY0R00V	CHIP JUMPER
	Q5902	B1ADCE000012	TRANSISTOR
	QR5900	B1GBCFJJ0051	TRANSISTOR
	R5903	ERJ3GEYJ103V	CHIP RESISTOR
	R5904	ERJ3GEYJ103V	CHIP RESISTOR
	R5908	ERJ3GEYJ103V	CHIP RESISTOR
	R5915	ERJ3GEYJ103V	CHIP RESISTOR
	R5909	ERJ3RBD562V	CHIP RESISTOR

	TH5900	D4CC11040013	CHIP TERMISTOR
	R5926	ERJ3GEYJ101V	CHIP RESISTOR
	R5906	ERJ3GEYJ184V	CHIP RESISTOR
	R5928	ERJ3GEYJ823V	CHIP RESISTOR
	R5927	ERJ3GEYJ823V	CHIP RESISTOR
	R5922	ERJ8GEYJ100V	CHIP RESISTOR
	R5921	ERJ8GEYJ100V	CHIP RESISTOR
	R5932	ERJ1TYJ220U	CHIP RESISTOR
	R5924	ERJ3GEYJ562V	CHIP RESISTOR
	R5933	ERJ3GEYJ562V	CHIP RESISTOR
	R5934	ERJ3GEYJ562V	CHIP RESISTOR
	R5940	ERJ3GEYJ104V	CHIP RESISTOR
	R5929	ERJ3GEYJ122V	RESISTENCIA CHIP PELƎCULA
	R5931	ERJ1TYJ220U	CHIP RESISTOR
	R5925	ERJ3GEYJ562V	CHIP RESISTOR
	W5040	ERJ6GEY0R00V	CHIP JUMPER
	W5042	ERJ6GEY0R00V	CHIP JUMPER
	R5923	ERJ3GEYJ682V	CHIP RESISTOR
	W5045	ERJ3GEY0R00V	CHIP JUMPER
	W5047	ERJ3GEY0R00V	CHIP JUMPER
	R5930	ERJ3GEYJ122V	RESISTENCIA CHIP PELƎCULA
	R5935	ERJ3GEYJ103V	CHIP RESISTOR
	W5039	ERJ3GEY0R00V	CHIP JUMPER
	W5043	ERJ6GEY0R00V	CHIP JUMPER
	W5044	ERJ6GEY0R00V	CHIP JUMPER
	W5046	ERJ6GEY0R00V	CHIP JUMPER
	W5033	ERJ3GEY0R00V	CHIP JUMPER
	W5041	ERJ3GEY0R00V	CHIP JUMPER
		RENM11X321A	CONJUNTO RADIAL D-AMP AKX32
	C5949	ECQV1H684JL3	CAPACITOR
	C5946	F2A1C100A234	ELECTROLYTIC CAPACITOR
	C5945	F2A1A101A159	CAPACITOR
	L5902	J0JKB0000020	EMIBEADCORER
	L5901	J0JKB0000020	EMIBEADCORER
		RENM11X321AZ	CONJUNTO AXIAL D-AMP AKX30
		RENM11X321AJ	CONJUNTO JUMPER D-AMP AKX32
	PCB	RJBX0677B	SMALL DAMP
	K5903	Z-W6NL	ALAMBRE JUMPER
	K5904	Z-W6NL	ALAMBRE JUMPER
	K5905	Z-W6NL	ALAMBRE JUMPER
	K5923	Z-W6NL	ALAMBRE JUMPER
	K5902	Z-W6NL	ALAMBRE JUMPER
	K5901	Z-W6NL	ALAMBRE JUMPER
	W5025	Z-W6NL	ALAMBRE JUMPER
	W5022	Z-W6NL	ALAMBRE JUMPER
	W5023	Z-W6NL	ALAMBRE JUMPER
	W5028	Z-W6NL	ALAMBRE JUMPER
	W5031	Z-W6NL	ALAMBRE JUMPER
	W5027	Z-W6NL	ALAMBRE JUMPER
	C5907	F2A1H221B436	CAPACITOR
	C5908	F2A1H221B436	CAPACITOR
	C5920	F2A2A220A388	CAPACITOR
	C5948	ECQV1H684JL3	CAPACITOR
		TB-2217-H-1	AFHESIVO PANASERT SMT
	C5926	F1K2A1040007	CHIP CAPACITOR
	C5927	F1J2A221A030	CHIP CAPACITOR
	C5929	F1J2A221A030	CHIP CAPACITOR
	C5930	F1H1C474A140	CHIP CAPACITOR
	C5934	F1J2A221A030	CHIP CAPACITOR
	C5935	F1J2A221A030	CHIP CAPACITOR
	C5936	F1K2A1040007	CHIP CAPACITOR
		RAIM11X322A	CONJUNTO MAIN/PANEL AKX32
		REPM11X322A	CONJUNTO MANUAL MAIN/PANEL AKX32
	CN2010	K1MY09AA0124	CONECTOR 09 PIN
	CN2006	K1KA02AA0186	CONECTOR
	CN2009	K1MY27AA0124	CONECTOR 27 PIN
	CN2000	K1MY30AA0124	CONECTOR 30 PIN
	CN2003	K1MY30AA0124	CONECTOR 30 PIN
	CN6005	K1KA04AA0031	CONECTOR 4PIN
	CN6001	K1MY30AA0124	CONECTOR 30 PIN
	CN2011	K1MY12AA0124	CONECTOR 12 PIN
	CN6004	K1FY104B0011	CONECTOR
	D6019	B3AAA0001031	DIODE LED
	D6022	B3AAA0001031	DIODE LED
	D6027	B3AAA0001031	DIODE LED

	IC2005	C0AABB000125	OP AMP IC
	D6034	B3AAA0001031	DIODE LED
	FL6000	A2BB00000177	FL DISPLAY
	IC2011	C0DAAYG00001	IC supply
	IC2010	C0CAAKG00046	IC REGULADOR
	IR6000	B3RAB0000084	SENSOR PARA CONTRO REMOTO
	JK6001	K2HC103A0031	HEADPHONE JECK
	JK2000	K2HA204B0153	2 PIN RCA JACK
	L2000	G0A101ZA0028	BOBINA
	T6000	G4DYA0000214	Small transformer
	VR6002	K9AA012Y0004	ENCODER
	VR6001	EVEKE2F3524B	CONTROL DE VOLUMEN
	X2000	H0A327200097	CRYSTAL 32KHZ [LF]
	ZA21	XTB3+10JFJ	TORNILLO
	ZB6007	RMNV0079-1	FL HOLDER
	ZB6005	RMNX0151	LED Holder
	ZB6004	RMNX0151	LED Holder
	ZB6006	RMNX0151	LED Holder
	ZA20	RMY0285	HEAT SINK
	ZB6008	RMNX0190	Led Holder
		REAM11X322A	CONJUNTO SMT MAIN/PANEL AKX32
	C2020	F1H1H103A219	CHIP CAPACITOR
	C2009	F1H1H470A004	CHIP CAPACITOR
	C2003	F1H1H470A004	CHIP CAPACITOR
	C2004	F1H1H470A004	CHIP CAPACITOR
	C2005	F1H1H102A219	CHIP CAPACITOR
	C2022	F1H1H102A219	CHIP CAPACITOR
	C2026	F1H1H102A219	CHIP CAPACITOR
	C2024	F1J0J106A020	CHIP CAPACITOR
	C2025	F1J0J106A020	CHIP CAPACITOR
	C2030	F1H0J4750004	CHIP CAPACITOR
	C2016	F1H1H2210001	CHIP CAPACITOR
	C2023	F1H1H102A219	CHIP CAPACITOR
	C2032	F1H0J1050012	CHIP CAPACITOR
	C2031	F1H0J1050012	CHIP CAPACITOR
	C2029	F1H0J1050012	CHIP CAPACITOR
	C2028	F1H0J1050012	CHIP CAPACITOR
	C2015	F1H1H2210001	CHIP CAPACITOR
	C2008	F1H0J1050012	CHIP CAPACITOR
	C2095	F1H1C104A042	CHIP CAPACITOR
	C2046	F1H1H102A219	CHIP CAPACITOR
	C2010	F1H1H470A004	CHIP CAPACITOR
	C2012	F1H1H470A004	CHIP CAPACITOR
	C2082	F1H1H332A013	CHIP CAPACITOR
	C2011	F1H1H103A219	CHIP CAPACITOR
	C2000	F1H1H103A219	CHIP CAPACITOR
	C2097	F1H1H101A720	CHIP CAPACITOR
	C2070	F1H1A474A025	CHIP CAPACITOR
	C2068	F1H1A474A025	CHIP CAPACITOR
	C2067	F1H1A474A025	CHIP CAPACITOR
	C2034	F1H0J1050012	CHIP CAPACITOR
	C2083	F1H1H223A219	CHIP CAPACITOR
	C2092	F1H1C683A087	CHIP CAPACITOR
	C2036	F1H1H102A219	CHIP CAPACITOR
	C2035	F1H0J4750004	CHIP CAPACITOR
	C2043	F1H1H102A219	CHIP CAPACITOR
	C2044	F1H1H102A219	CHIP CAPACITOR
	C2045	F1H1H102A219	CHIP CAPACITOR
	C2054	F1H1H102A219	CHIP CAPACITOR
	C2053	F1H1H102A219	CHIP CAPACITOR
	C2087	F1H0J4750004	CHIP CAPACITOR
	C2033	F1H0J1050012	CHIP CAPACITOR
	C2129	F1H1H1500009	CHIP CAPACITOR
	C2108	F1J0J106A020	CHIP CAPACITOR
	C2134	F1H0J4750004	CHIP CAPACITOR
	C2135	F1H0J4750004	CHIP CAPACITOR
	C2121	F1H1H470A004	CHIP CAPACITOR
	C2096	F1J0J106A020	CHIP CAPACITOR
	C2126	F1H1H470A004	CHIP CAPACITOR
	C2098	F1J0J106A020	CHIP CAPACITOR
	C2117	F1J0J106A020	CHIP CAPACITOR
	C2107	F1J0J106A020	CHIP CAPACITOR
	C2144	F1H0J1050012	CHIP CAPACITOR
	C2116	F1J0J106A020	CHIP CAPACITOR
	C2147	F1H1H102A219	CHIP CAPACITOR

	C2149	F1H1H102A219	CHIP CAPACITOR
	C2071	F1H1A474A025	CHIP CAPACITOR
	C2050	F1H1H101A720	CHIP CAPACITOR
	C2049	F1H1H101A720	CHIP CAPACITOR
	C2102	F1H1C104A042	CHIP CAPACITOR
	C2151	F1H1C104A042	CHIP CAPACITOR
	C2143	F1H1C104A042	CHIP CAPACITOR
	C2115	F1J0J106A020	CHIP CAPACITOR
	C2123	F1H1H1500009	CHIP CAPACITOR
	C2141	F1H1C104A042	CHIP CAPACITOR
	C2128	F1H1H562A219	CHIP CAPACITOR
	C2137	F1H1C104A042	CHIP CAPACITOR
	C2148	F1H1H223A219	CHIP CAPACITOR
	C2130	F1J1H104A459	CHIP CAPACITOR
	C2099	F1H1H101A720	CHIP CAPACITOR
	C2106	F1H1H101A720	CHIP CAPACITOR
	C2199	D0GBR00JA008	CHIP JUMPER
	C2163	F1H1H331A013	CHIP CAPACITOR
	C2162	F1H1H331A013	CHIP CAPACITOR
	C2191	F1H1H103A219	CHIP CAPACITOR
	C2187	F1H1H103A219	CHIP CAPACITOR
	C2194	F1H1H103A219	CHIP CAPACITOR
	C2229	F1H1H103A219	CHIP CAPACITOR
	C2235	F1H1H103A219	CHIP CAPACITOR
	C2215	F1H1A474A025	CHIP CAPACITOR
	C2200	D0GBR00JA008	CHIP JUMPER
	C2216	F1H1H103A219	CHIP CAPACITOR
	C2243	F1H1C104A042	CHIP CAPACITOR
	C2242	F1H1C104A042	CHIP CAPACITOR
	C2251	F1J0J106A020	CHIP CAPACITOR
	C6020	F1H1H104A013	CHIP CAPACITOR
	C6022	F1H1H102A219	CHIP CAPACITOR
	C6023	F1H1H102A219	CHIP CAPACITOR
	C6021	F1H1H102A219	CHIP CAPACITOR
	C6031	F1H1H102A219	CHIP CAPACITOR
	C6026	F1H1H102A219	CHIP CAPACITOR
	C6028	F1H1H102A219	CHIP CAPACITOR
	C6033	F1H1H102A219	CHIP CAPACITOR
	C6032	F1H1H102A219	CHIP CAPACITOR
	C6025	F1H1H102A219	CHIP CAPACITOR
	C6024	F1H1H102A219	CHIP CAPACITOR
	C6052	F1H1H101A720	CHIP CAPACITOR
	C6035	F1H1H102A219	CHIP CAPACITOR
	C6037	F1H1H102A219	CHIP CAPACITOR
	C6034	F1H1H102A219	CHIP CAPACITOR
	C6048	F1H1H391A013	CHIP CAPACITOR
	C6041	F1H1H391A013	CHIP CAPACITOR
	C6045	F1H1H331A013	CHIP CAPACITOR
	C6040	F1H1H331A013	CHIP CAPACITOR
	C6029	F1H1H331A013	CHIP CAPACITOR
	C6030	F1H1H331A013	CHIP CAPACITOR
	C6027	F1H1H331A013	CHIP CAPACITOR
	C6036	F1H1H103A219	CHIP CAPACITOR
	C6053	F1H1H103A219	CHIP CAPACITOR
	C6051	F1H1H101A720	CHIP CAPACITOR
	C6044	F1H1H332A013	CHIP CAPACITOR
	C6055	F1H1H101A230	CHIP CAPACITOR
	C6047	F1H1C104A008	CHIP CAPACITOR
	C6049	F1H1C104A008	CHIP CAPACITOR
	C6046	F1H1C104A041	CHIP CAPACITOR
	C6054	F1H1H473A783	CHIP CAPACITOR
	C6042	F1H1C104A041	CHIP CAPACITOR
	C6059	F1H1H473A783	CHIP CAPACITOR
	C6060	F1H1H101A230	CHIP CAPACITOR
	C6066	F1H1H104A013	CHIP CAPACITOR
	C6063	F1H1H101A720	CHIP CAPACITOR
	C6061	F1H1H104A013	CHIP CAPACITOR
	C6064	F1H1H102A219	CHIP CAPACITOR
	C6058	F1H1H103A219	CHIP CAPACITOR
	D2006	B0ACCK000012	DIODE
	D2001	B0ACCK000012	DIODE
	D2015	B0ACCK000005	DIODE
	D2008	B0ACCK000012	DIODE
	D2005	B0ACCK000012	DIODE
	D2014	B0ADCJ000020	DUAL CHIP DIODE

	D2017	B0BC8R100004	ZENER DIODE
	IC2003	MN101EF16KXW	IC MICROP VE
	D2300	B0ACCK000012	DIODE
	IC2000	C1AB00003256	ASP
	D6028	B0BC035A0007	DIODE
	DZ2000	B0JCPD000025	DIODE
	D6033	B0BC2R4A0006	ZENER DIODE
	IC6001	C0HBB0000057	FL DRIVER IC
	IC2006	C3EBFY000006	EEPROM
	K2005	ERJ3GEY0R00V	CHIP JUMPER
	K2009	ERJ3GEY0R00V	CHIP JUMPER
	K2007	ERJ3GEY0R00V	CHIP JUMPER
	K2010	ERJ3GEY0R00V	CHIP JUMPER
	LB2000	D0GBR00JA008	CHIP JUMPER
	LB2002	D0GBR00JA008	CHIP JUMPER
	LB2007	D0GBR00JA008	CHIP JUMPER
	L6008	J0JBC0000019	CHIP INDUCTOR
	L6006	J0JBC0000019	CHIP INDUCTOR
	LB2001	D0GBR00JA008	CHIP JUMPER
	L6007	J0JBC0000019	CHIP INDUCTOR
	L6003	J0JBC0000019	CHIP INDUCTOR
	L6004	J0JBC0000019	CHIP INDUCTOR
	LB2003	D0GBR00JA008	CHIP JUMPER
	LB2004	D0GBR00JA008	CHIP JUMPER
	LB2008	D0GBR00JA008	CHIP JUMPER
	L6005	J0JBC0000019	CHIP INDUCTOR
	LB2009	D0GBR00JA008	CHIP JUMPER
	LB2010	D0GBR00JA008	CHIP JUMPER
	Q2042	B1ABCF000176	TRANSISTOR
	L6009	J0JBC0000019	CHIP INDUCTOR
	Q2040	B1ABCF000176	TRANSISTOR
	Q2037	B1ABCF000176	TRANSISTOR
	Q2001	B1ABCF000176	TRANSISTOR
	Q2002	B1ABCF000176	TRANSISTOR
	Q2003	B1ABCF000176	TRANSISTOR
	Q2041	B1ABCF000176	TRANSISTOR
	Q2018	B1GBCFJJ0051	TRANSISTOR
	QR2005	B1GBCFJJ0051	TRANSISTOR
	R2001	ERJ3GEYJ822V	RESISTENCIA CHIP PELƎCULA
	R2005	ERJ3GEYJ103V	CHIP RESISTOR
	R2006	ERJ3GEYJ103V	CHIP RESISTOR
	Q2011	B1GBCFLL0037	CHIP TRANSISTOR
	Q2014	B1GBCFLL0037	CHIP TRANSISTOR
	Q2023	B1ADCE000012	TRANSISTOR
	Q2012	B1GFGCAA0001	CHIP TRANSISTOR
	Q2013	B1GFGCAA0001	CHIP TRANSISTOR
	QR2002	B1GDCFGA0018	TRANSISTOR
	Q2019	B1ABEB000002	TRANSISTOR
	R2004	ERJ3GEYJ392V	RESISTENCIA CHIP PELƎCULA
	QR2004	B1GBCFJJ0051	TRANSISTOR
	R2003	ERJ3GEYJ392V	RESISTENCIA CHIP PELƎCULA
	QR2003	B1GBCFJJ0051	TRANSISTOR
	R2002	ERJ3GEYJ822V	RESISTENCIA CHIP PELƎCULA
	R2021	ERJ3GEY0R00V	CHIP JUMPER
	Q2050	B1ADCE000012	TRANSISTOR
	R2008	ERJ3GEYJ332V	CHIP RESISTOR
	R2007	ERJ3GEYJ332V	CHIP RESISTOR
	R2010	ERJ3GEYJ332V	CHIP RESISTOR
	R2011	ERJ3GEYJ472V	RESISTENCIA CHIP PELƎCULA
	R2016	ERJ3GEYJ472V	RESISTENCIA CHIP PELƎCULA
	R2014	D0GB182JA008	CHIP RESISTENCIA
	R2020	ERJ3GEY0R00V	CHIP JUMPER
	R2054	ERJ3GEY0R00V	CHIP JUMPER
	R2012	ERJ3GEYJ472V	RESISTENCIA CHIP PELƎCULA
	R2015	ERJ3GEYJ472V	RESISTENCIA CHIP PELƎCULA
	R2013	D0GB182JA008	CHIP RESISTENCIA
	R2067	ERJ3GEYJ101V	CHIP RESISTOR
	R2068	ERJ3GEYJ101V	CHIP RESISTOR
	R2065	ERJ3GEYJ101V	CHIP RESISTOR
	R2070	ERJ3GEYJ101V	CHIP RESISTOR
	R2071	ERJ3GEYJ101V	CHIP RESISTOR
	R2074	ERJ3GEYJ101V	CHIP RESISTOR
	R2066	ERJ3GEYJ101V	CHIP RESISTOR
	R2073	ERJ3GEYJ101V	CHIP RESISTOR
	R2009	ERJ3GEYJ332V	CHIP RESISTOR

	R2078	ERJ3GEYJ563V	RESISTENCIA CHIP PELƎCULA
	R2069	ERJ3GEYJ102V	CHIP RESISTOR
	R2085	D0GB104JA008	CHIP RESISTENCIA
	R2076	ERJ3GEYJ102V	CHIP RESISTOR
	R2091	ERJ3GEYJ101V	CHIP RESISTOR
	R2075	ERJ3GEYJ101V	CHIP RESISTOR
	R2077	ERJ3GEYJ102V	CHIP RESISTOR
	R2072	ERJ3GEYJ102V	CHIP RESISTOR
	R2093	ERJ3GEYJ392V	RESISTENCIA CHIP PELƎCULA
	R2112	ERJ3GEYJ102V	CHIP RESISTOR
	R2117	ERJ3GEYJ101V	CHIP RESISTOR
	R2114	ERJ3GEYJ101V	CHIP RESISTOR
	R2094	ERJ3GEYJ392V	RESISTENCIA CHIP PELƎCULA
	R2099	ERJ3GEYJ103V	CHIP RESISTOR
	R2082	ERJ3GEYJ104V	CHIP RESISTOR
	R2098	ERJ3GEYJ472V	RESISTENCIA CHIP PELƎCULA
	R2095	ERJ3GEYJ473V	RESISTENCIA CHIP PELƎCULA
	R2123	ERJ3GEYJ564V	CHIP RESISTOR
	R2097	ERJ3GEYJ103V	CHIP RESISTOR
	R2115	ERJ3GEY0R00V	CHIP JUMPER
	R2096	ERJ3GEYJ473V	RESISTENCIA CHIP PELƎCULA
	R2102	ERJ3GEYJ472V	RESISTENCIA CHIP PELƎCULA
	R2140	ERJ3GEY0R00V	CHIP JUMPER
	R2121	ERJ3GEYJ475V	RESISTENCIA CHIP PELƎCULA
	R2113	ERJ3GEYJ102V	CHIP RESISTOR
	R2106	ERJ3GEYJ102V	CHIP RESISTOR
	R2108	ERJ3GEY0R00V	CHIP JUMPER
	R2177	ERJ3GEYJ153V	RESISTENCIA CHIP PELƎCULA
	R2134	ERJ3GEY0R00V	CHIP JUMPER
	R2128	ERJ3GEY0R00V	CHIP JUMPER
	R2173	ERJ3GEYJ153V	RESISTENCIA CHIP PELƎCULA
	R2127	ERJ3GEY0R00V	CHIP JUMPER
	R2136	ERJ3GEY0R00V	CHIP JUMPER
	R2126	ERJ3GEYJ101V	CHIP RESISTOR
	R2120	ERJ3GEYJ101V	CHIP RESISTOR
	R2118	ERJ3GEYJ101V	CHIP RESISTOR
	R2130	ERJ3GEYJ102V	CHIP RESISTOR
	R2129	ERJ3GEYJ101V	CHIP RESISTOR
	R2153	ERJ3GEYJ104V	CHIP RESISTOR
	R2165	ERJ3GEYJ102V	CHIP RESISTOR
	R2175	ERJ3GEYJ103V	CHIP RESISTOR
	R2166	ERJ3GEYJ101V	CHIP RESISTOR
	R2152	ERJ3GEYJ101V	CHIP RESISTOR
	R2154	ERJ3GEYJ101V	CHIP RESISTOR
	R2174	ERJ3GEYJ103V	CHIP RESISTOR
	R2176	ERJ3GEYJ103V	CHIP RESISTOR
	R2157	ERJ3GEYJ152V	RESISTENCIA CHIP PELƎCULA
	R2156	ERJ3GEYJ101V	CHIP RESISTOR
	R2160	ERJ3GEYJ152V	RESISTENCIA CHIP PELƎCULA
	R2159	ERJ3GEYJ101V	CHIP RESISTOR
	R2163	ERJ3GEYJ101V	CHIP RESISTOR
	R2164	ERJ3GEYJ101V	CHIP RESISTOR
	R2187	ERJ3GEYJ180V	CHIP RESISTOR
	R2186	ERJ3GEYJ180V	CHIP RESISTOR
	R2200	ERJ3GEYJ180V	CHIP RESISTOR
	R2190	ERJ3GEYJ180V	CHIP RESISTOR
	R2191	ERJ3GEYJ180V	CHIP RESISTOR
	R2197	ERJ3GEYJ101V	CHIP RESISTOR
	R2195	ERJ3GEYJ101V	CHIP RESISTOR
	R2199	ERJ3GEYJ180V	CHIP RESISTOR
	R2196	ERJ3GEYJ102V	CHIP RESISTOR
	R2189	ERJ3GEYJ473V	RESISTENCIA CHIP PELƎCULA
	R2198	ERJ3GEYJ102V	CHIP RESISTOR
	R2182	ERJ3GEYJ103V	CHIP RESISTOR
	R2185	ERJ3GEYJ103V	CHIP RESISTOR
	R2188	ERJ3GEYJ221V	RESISTENCIA CHIP PELƎCULA
	R2209	ERJ3GEYJ561V	RESISTENCIA CHIP PELiCULA
	R2223	ERJ3GEYJ473V	RESISTENCIA CHIP PELƎCULA
	R2178	ERJ3GEYJ103V	CHIP RESISTOR
	R2208	ERJ3GEYJ561V	RESISTENCIA CHIP PELiCULA
	R2204	ERJ3GEYJ561V	RESISTENCIA CHIP PELiCULA
	R2207	ERJ3GEYJ561V	RESISTENCIA CHIP PELiCULA
	R2202	ERJ3GEYJ180V	CHIP RESISTOR
	R2201	ERJ3GEYJ180V	CHIP RESISTOR
	R2203	ERJ3GEYJ472V	RESISTENCIA CHIP PELƎCULA

	R2210	D0GDR00JA017	CHIP JUMPER
	R2228	D0GB223JA008	CHIP RESISTOR
	R2247	ERJ3GEY0R00V	CHIP JUMPER
	R2287	D0GBR00JA008	CHIP JUMPER
	R2214	ERJ3GEYJ102V	CHIP RESISTOR
	R2286	D0GBR00JA008	CHIP JUMPER
	R2218	D0GB103JA008	CHIP RESISTOR
	R2217	D0GDR00JA017	CHIP JUMPER
	R2235	D0GB223JA008	CHIP RESISTOR
	R2229	ERJ3GEYJ103V	CHIP RESISTOR
	R2225	ERJ3GEYJ471V	RESISTENCIA CHIP PELƎCULA
	R2232	ERJ3GEYJ103V	CHIP RESISTOR
	R2224	ERJ3GEYJ471V	RESISTENCIA CHIP PELƎCULA
	R2222	ERJ3GEYJ473V	RESISTENCIA CHIP PELƎCULA
	R2250	ERJ3GEYJ183V	RESISTENCIA CHIP PELƎCULA
	R2221	ERJ3GEYJ474V	RESISTENCIA CHIP PELƎCULA
	R2248	ERJ3GEYJ153V	RESISTENCIA CHIP PELƎCULA
	R2273	ERJ3GEYJ2R2V	RESISTENCIA CHIP
	R2261	ERJ3GEYJ272V	RESISTENCIA CHIP PELƎCULA
	R2260	ERJ3GEYJ102V	CHIP RESISTOR
	R2252	ERJ3GEYJ101V	CHIP RESISTOR
	R2274	ERJ3GEYJ2R2V	RESISTENCIA CHIP
	R2251	ERJ3GEYJ123V	RESISTENCIA CHIP PELƎCULA
	R2275	ERJ3GEYJ2R2V	RESISTENCIA CHIP
	R2276	ERJ3GEYJ271V	RESISTENCIA CHIP PELƎCULA
	R2253	ERJ3GEYJ473V	RESISTENCIA CHIP PELƎCULA
	R2344	ERJ3GEYJ332V	CHIP RESISTOR
	R2335	ERJ3GEYJ103V	CHIP RESISTOR
	R2309	ERJ3RBD272V	CHIP RESISTOR
	R2316	ERJ3GEYJ105V	RESISTENCIA CHIP
	R2311	ERJ3RBD152V	CHIP RESISTOR
	R2303	ERJ3RBD102V	CHIP RESISTOR
	R2329	ERJ3GEYJ103V	CHIP RESISTOR
	R2356	ERJ3GEYJ102V	CHIP RESISTOR
	R2374	ERJ3GEYJ102V	CHIP RESISTOR
	R2376	ERJ3GEYJ102V	CHIP RESISTOR
	R2372	ERJ3GEYJ102V	CHIP RESISTOR
	R2366	ERJ3GEYJ102V	CHIP RESISTOR
	R2365	ERJ3GEYJ102V	CHIP RESISTOR
	R2343	ERJ3GEY0R00V	CHIP JUMPER
	R2346	ERJ3GEYJ332V	CHIP RESISTOR
	R2347	ERJ3GEYJ332V	CHIP RESISTOR
	R2345	ERJ3GEYJ332V	CHIP RESISTOR
	R2349	ERJ3GEYJ104V	CHIP RESISTOR
	R6005	ERJ3GEYJ122V	RESISTENCIA CHIP PELƎCULA
	R6007	ERJ3GEYJ222V	CHIP RESISTOR
	R6006	ERJ3GEYJ152V	RESISTENCIA CHIP PELƎCULA
	R2381	ERJ3GEYJ123V	RESISTENCIA CHIP PELƎCULA
	R2379	ERJ3GEYJ681V	RESISTENCIA
	R2386	D0GB333JA008	CHIP RESISTENCIA
	R6040	ERJ3GEYJ181V	RESISTENCIA
	R6009	ERJ3GEYJ472V	RESISTENCIA CHIP PELƎCULA
	R6034	ERJ3GEYJ471V	RESISTENCIA CHIP PELƎCULA
	R6023	ERJ3GEYJ472V	RESISTENCIA CHIP PELƎCULA
	R6026	ERJ3GEYJ103V	CHIP RESISTOR
	R6032	ERJ3GEYJ221V	RESISTENCIA CHIP PELƎCULA
	R6033	ERJ3GEYJ221V	RESISTENCIA CHIP PELƎCULA
	R6029	ERJ3GEYJ103V	CHIP RESISTOR
	R6022	ERJ3GEYJ332V	CHIP RESISTOR
	R6010	ERJ3GEYJ682V	CHIP RESISTOR
	R6020	ERJ3GEYJ152V	RESISTENCIA CHIP PELƎCULA
	R6024	ERJ3GEYJ682V	CHIP RESISTOR
	R6008	ERJ3GEYJ332V	CHIP RESISTOR
	R6054	ERJ3GEYJ181V	RESISTENCIA
	R6021	ERJ3GEYJ222V	CHIP RESISTOR
	R6046	ERJ3GEYJ181V	RESISTENCIA
	R6068	ERJ3GEYJ223V	RESISTENCIA CHIP PELƎCULA
	R6041	ERJ3GEYJ823V	CHIP RESISTOR
	R6073	ERJ3GEYJ100V	RESISTENCIA CHIP
	R6067	ERJ3GEYJ123V	RESISTENCIA CHIP PELƎCULA
	R6019	ERJ3GEYJ122V	RESISTENCIA CHIP PELƎCULA
	R6062	ERJ3GEYJ1R0V	RESISTENCIA CHIP PELƎCULA
	R6071	ERJ3GEYJ1R0V	RESISTENCIA CHIP PELƎCULA
	R6069	ERJ3GEYJ473V	RESISTENCIA CHIP PELƎCULA
	R6084	ERJ3GEY0R00V	CHIP JUMPER

	R6056	ERJ3GEYJ682V	CHIP RESISTOR
	R6057	ERJ3GEYJ470V	RESISTENCIA CHIP PELƎCULA
	R6070	ERJ3GEYJ103V	CHIP RESISTOR
	R6075	ERJ3GEYJ223V	RESISTENCIA CHIP PELƎCULA
	W502	ERJ3GEY0R00V	CHIP JUMPER
	W5119	ERJ3GEY0R00V	CHIP JUMPER
	W5105	ERJ3GEY0R00V	CHIP JUMPER
	W5120	ERJ3GEY0R00V	CHIP JUMPER
	W503	ERJ6GEY0R00V	CHIP JUMPER
	W501	ERJ6GEY0R00V	CHIP JUMPER
	W5132	ERJ6GEY0R00V	CHIP JUMPER
	W5165	ERJ6GEY0R00V	CHIP JUMPER
	W5206	ERJ6GEY0R00V	CHIP JUMPER
	W5204	ERJ8GEY0R00V	CHIP JUMPER
	W5203	ERJ8GEY0R00V	CHIP JUMPER
	W5230	ERJ6GEY0R00V	CHIP JUMPER
	W5214	ERJ3GEY0R00V	CHIP JUMPER
	W5224	ERJ3GEY0R00V	CHIP JUMPER
	W5215	ERJ3GEY0R00V	CHIP JUMPER
	W5349	ERJ3GEY0R00V	CHIP JUMPER
	W5330	ERJ3GEY0R00V	CHIP JUMPER
	W5343	ERJ8GEY0R00V	CHIP JUMPER
	W5375	ERJ3GEY0R00V	CHIP JUMPER
	W5367	ERJ3GEY0R00V	CHIP JUMPER
	W5369	ERJ6GEY0R00V	CHIP JUMPER
	W5361	ERJ3GEY0R00V	CHIP JUMPER
	W5389	ERJ6GEY0R00V	CHIP JUMPER
	W5403	ERJ3GEY0R00V	CHIP JUMPER
	W5385	ERJ3GEY0R00V	CHIP JUMPER
	W5452	ERJ3GEY0R00V	CHIP JUMPER
	W5444	ERJ3GEY0R00V	CHIP JUMPER
	W5495	ERJ3GEY0R00V	CHIP JUMPER
	W5477	ERJ6GEY0R00V	CHIP JUMPER
	W5503	ERJ3GEY0R00V	CHIP JUMPER
	W5508	ERJ8GEY0R00V	CHIP JUMPER
	W5497	ERJ8GEY0R00V	CHIP JUMPER
	W6002	ERJ6GEY0R00V	CHIP JUMPER
	W5507	ERJ8GEY0R00V	CHIP JUMPER
	W5506	ERJ8GEY0R00V	CHIP JUMPER
	W5559	ERJ3GEY0R00V	CHIP JUMPER
		RENM11X322A	CONJUNTO RADIAL MAIN/PANEL AKX32
	C2090	F2A1H1R0A213	CAPACITOR ELECTROLITICO
	C2066	F2A1H1R0A213	CAPACITOR ELECTROLITICO
	C2061	F2A1H1R0A213	CAPACITOR ELECTROLITICO
	C2057	F2A1H4R7A213	CAPACITOR ELECTROLITICO
	C2085	F2A1H3R3A213	CAPACITOR ELECTROLITICO
	C2086	F2A1H3R3A213	CAPACITOR ELECTROLITICO
	C2089	F2A1H3R3A213	CAPACITOR ELECTROLITICO
	C2038	F2A1C100A207	CAPACITOR ELECTROLITICO
	C2039	F2A1C100A207	CAPACITOR ELECTROLITICO
	C2150	F2A1H3R3A213	CAPACITOR ELECTROLITICO
	C2114	F2A0J221B034	E-cap
	C2223	F2A1C102A019	CAPACITOR
	C6057	F2A1C101A155	CAPACITOR
	C6062	F2A1H220B411	CAPACITOR
	D2016	B0EAKM000117	DIODO
	D6031	B0EAMM000057	DIODO
	D6029	B0EAMM000057	DIODO
	D2020	B0EAKM000117	DIODO
	D2021	B0EAKM000117	DIODO
	D2022	B0EAKM000117	DIODO
	D2018	B0EAKM000117	DIODO
	D2019	B0EAKM000117	DIODO
	D6030	B0JAME000114	DIODO
	Q2022	B1BACD000018	TRANSISTOR
	Q2015	B1ACKD000006	TRANSISTOR
	Q2035	B1BABG000007	TRANSISTOR
	Q6005	B1BABK000001	TRANSISTOR
	R2079	D0AF330JA039	RESISTENCIA DE CARBON
	R2107	D0AF220JA039	RADIAL RESISTOR
	R2340	ERG2SJ471E	METAL OXIDE FILM RESISTOR
	R2341	ERG2SJ471E	METAL OXIDE FILM RESISTOR
	R2334	ERG2SJ471E	METAL OXIDE FILM RESISTOR
	R2333	ERG2SJ471E	METAL OXIDE FILM RESISTOR
	R2339	ERG2SJ471E	METAL OXIDE FILM RESISTOR

	R2338	ERG2SJ471E	METAL OXIDE FILM RESISTOR
	R2337	ERG2SJ471E	METAL OXIDE FILM RESISTOR
	R2336	ERG2SJ471E	METAL OXIDE FILM RESISTOR
	S6011	EVQ21405RJ	TACK SWITCH
	S6010	EVQ21405RJ	TACK SWITCH
	S6008	EVQ21405RJ	TACK SWITCH
	S6013	EVQ21405RJ	TACK SWITCH
	S6001	EVQ21405RJ	TACK SWITCH
	S6007	EVQ21405RJ	TACK SWITCH
	S6002	EVQ21405RJ	TACK SWITCH
	S6003	EVQ21405RJ	TACK SWITCH
	S6004	EVQ21405RJ	TACK SWITCH
	S6005	EVQ21405RJ	TACK SWITCH
	S6006	EVQ21405RJ	TACK SWITCH
	S6014	EVQ21405RJ	TACK SWITCH
	S6015	EVQ21405RJ	TACK SWITCH
	S6016	EVQ21405RJ	TACK SWITCH
	ZJ2000	K9ZZ00001279	TERMINAL DE TIERRA
		RENM11X322AZ	CONJUNTO AXIAL MAIN/PANEL AKX30
		RENM11X322AJ	CONJUNTO JUMPER MAIN/PANEL AKX32
	K2021	Z-W6NL	ALAMBRE JUMPER
	K2014	Z-W6NL	ALAMBRE JUMPER
	K2018	Z-W6NL	ALAMBRE JUMPER
	K2019	Z-W6NL	ALAMBRE JUMPER
	K2020	Z-W6NL	ALAMBRE JUMPER
	L6002	Z-W6NL	ALAMBRE JUMPER
	K6003	Z-W6NL	ALAMBRE JUMPER
	K2013	Z-W6NL	ALAMBRE JUMPER
	W303	Z-W6NL	ALAMBRE JUMPER
	W304	Z-W6NL	ALAMBRE JUMPER
	W305	Z-W6NL	ALAMBRE JUMPER
	W2	Z-W6NL	ALAMBRE JUMPER
	W1	Z-W6NL	ALAMBRE JUMPER
	W301	Z-W6NL	ALAMBRE JUMPER
	W302	Z-W6NL	ALAMBRE JUMPER
	W306	Z-W6NL	ALAMBRE JUMPER
	W318	Z-W6NL	ALAMBRE JUMPER
	W323	Z-W6NL	ALAMBRE JUMPER
	W314	Z-W6NL	ALAMBRE JUMPER
	W315	Z-W6NL	ALAMBRE JUMPER
	W319	Z-W6NL	ALAMBRE JUMPER
	W322	Z-W6NL	ALAMBRE JUMPER
	W311	Z-W6NL	ALAMBRE JUMPER
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	W324	Z-W6NL	ALAMBRE JUMPER
	W326	Z-W6NL	ALAMBRE JUMPER
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	W5252	Z-W6NL	ALAMBRE JUMPER
	W5254	Z-W6NL	ALAMBRE JUMPER
	W5253	Z-W6NL	ALAMBRE JUMPER
	W5241	Z-W6NL	ALAMBRE JUMPER

	W5231	Z-W6NL	ALAMBRE JUMPER
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	W5223	Z-W6NL	ALAMBRE JUMPER
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	W5409	Z-W6NL	ALAMBRE JUMPER
	W5415	Z-W6NL	ALAMBRE JUMPER
	W5423	Z-W6NL	ALAMBRE JUMPER
	W5417	Z-W6NL	ALAMBRE JUMPER

	W5427	Z-W6NL	ALAMBRE JUMPER
	W5421	Z-W6NL	ALAMBRE JUMPER
	W5425	Z-W6NL	ALAMBRE JUMPER
	W5418	Z-W6NL	ALAMBRE JUMPER
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	W5475	Z-W6NL	ALAMBRE JUMPER
	W5468	Z-W6NL	ALAMBRE JUMPER
	W5486	Z-W6NL	ALAMBRE JUMPER
	W5483	Z-W6NL	ALAMBRE JUMPER
	W5481	Z-W6NL	ALAMBRE JUMPER
	W5460	Z-W6NL	ALAMBRE JUMPER
	W5470	Z-W6NL	ALAMBRE JUMPER
	W5478	Z-W6NL	ALAMBRE JUMPER
	W5473	Z-W6NL	ALAMBRE JUMPER
	W5472	Z-W6NL	ALAMBRE JUMPER
	W5469	Z-W6NL	ALAMBRE JUMPER
	W5459	Z-W6NL	ALAMBRE JUMPER
	W5521	Z-W6NL	ALAMBRE JUMPER
	W5461	Z-W6NL	ALAMBRE JUMPER
	W5465	Z-W6NL	ALAMBRE JUMPER
	W5466	Z-W6NL	ALAMBRE JUMPER
	W5484	Z-W6NL	ALAMBRE JUMPER
	W5533	Z-W6NL	ALAMBRE JUMPER
	W5531	Z-W6NL	ALAMBRE JUMPER
	W5490	Z-W6NL	ALAMBRE JUMPER
	W5494	Z-W6NL	ALAMBRE JUMPER
	W5491	Z-W6NL	ALAMBRE JUMPER
	W5493	Z-W6NL	ALAMBRE JUMPER
	W5500	Z-W6NL	ALAMBRE JUMPER
	W5535	Z-W6NL	ALAMBRE JUMPER
	W5501	Z-W6NL	ALAMBRE JUMPER
	W5504	Z-W6NL	ALAMBRE JUMPER
	W5516	Z-W6NL	ALAMBRE JUMPER
	W5505	Z-W6NL	ALAMBRE JUMPER
	W5532	Z-W6NL	ALAMBRE JUMPER
	W5555	Z-W6NL	ALAMBRE JUMPER
	W5557	Z-W6NL	ALAMBRE JUMPER
	W5502	Z-W6NL	ALAMBRE JUMPER
	W5547	Z-W6NL	ALAMBRE JUMPER
	W5553	Z-W6NL	ALAMBRE JUMPER
	W5556	Z-W6NL	ALAMBRE JUMPER
	W5558	Z-W6NL	ALAMBRE JUMPER
	W5552	Z-W6NL	ALAMBRE JUMPER
	W5550	Z-W6NL	ALAMBRE JUMPER
	W6003	Z-W6NL	ALAMBRE JUMPER
	W6004	Z-W6NL	ALAMBRE JUMPER
	K2016	Z-W6NL	ALAMBRE JUMPER
	K2022	Z-W6NL	ALAMBRE JUMPER
	K2024	Z-W6NL	ALAMBRE JUMPER
	W325	Z-W6NL	ALAMBRE JUMPER
	W328	Z-W6NL	ALAMBRE JUMPER
	W329	Z-W6NL	ALAMBRE JUMPER
	W330	Z-W6NL	ALAMBRE JUMPER

	W331	Z-W6NL	ALAMBRE JUMPER
	W5121	Z-W6NL	ALAMBRE JUMPER
	W5560	Z-W6NL	ALAMBRE JUMPER
	W5561	Z-W6NL	ALAMBRE JUMPER
	W5562	Z-W6NL	ALAMBRE JUMPER
	W5563	Z-W6NL	ALAMBRE JUMPER
	W5564	Z-W6NL	ALAMBRE JUMPER
	W5565	Z-W6NL	ALAMBRE JUMPER
	W5566	Z-W6NL	ALAMBRE JUMPER
	W5567	Z-W6NL	ALAMBRE JUMPER
	W5569	Z-W6NL	ALAMBRE JUMPER
	W5570	Z-W6NL	ALAMBRE JUMPER
	W5571	Z-W6NL	ALAMBRE JUMPER
	W5576	Z-W6NL	ALAMBRE JUMPER
	W5577	Z-W6NL	ALAMBRE JUMPER
	W5578	Z-W6NL	ALAMBRE JUMPER
	W5579	Z-W6NL	ALAMBRE JUMPER
	W5580	Z-W6NL	ALAMBRE JUMPER
	W5581	Z-W6NL	ALAMBRE JUMPER
	W5583	Z-W6NL	ALAMBRE JUMPER
	W5585	Z-W6NL	ALAMBRE JUMPER
	W5586	Z-W6NL	ALAMBRE JUMPER
	W5587	Z-W6NL	ALAMBRE JUMPER
	W5590	Z-W6NL	ALAMBRE JUMPER
	W5597	Z-W6NL	ALAMBRE JUMPER
	W5602	Z-W6NL	ALAMBRE JUMPER
	W5605	Z-W6NL	ALAMBRE JUMPER
	W6006	Z-W6NL	ALAMBRE JUMPER
	K2025	Z-W6NL	ALAMBRE JUMPER
	K2027	Z-W6NL	ALAMBRE JUMPER
	W5611	Z-W6NL	ALAMBRE JUMPER
	PCB	RJBX0726A-4	MAIN/PANEL
	C2146	F2A0J4700052	CAPACITOR
	C2226	F2A0J821B044	E-Cap
	C2249	F2A1A330A159	CAPACITOR
	C2252	F2A0J101A181	CAPACITOR
	C2253	F2A0J221A181	ECAP
	Q2020	B1AAJC000019	TRANSISTOR
	Q2033	B1AAJC000019	TRANSISTOR
	S6009	EVQ21405RJ	TACK SWITCH
	X2001	H2B100500007	10MHz Crystal Oscillator
	C2021	F2A0J471B035	E-cap
	C2056	F2A1A330B138	E-cap
	C2093	F2A1C221B456	E-cap
	C2145	F2A1C470B455	E-cap
	C2110	F2A1C221B456	E-cap
	C2173	F2A0J471B035	E-cap
	C2139	F2A1C221B456	E-cap
	C2152	F2A1C470B455	E-cap
	C6043	F2A1H470B412	E-cap
	C6056	F2A1H470B412	E-cap
	R2382	D0AF270JA039	RADIAL RESISTOR
	C2132	F2A1C330A698	CAPACITOR
	C2190	F2A1E331B423	E-Cap
	C2188	F2A1A330B138	E-cap
	C2234	F2A1E102B396	CAPACITOR
	C2198	F2A1C102A019	CAPACITOR
	C6065	F2A1H220A182	CAPACITOR ELECTROLITICO
		TB-2217-H-1	AFHESIVO PANASERT SMT
	C2080	F1H1A334A028	CHIP CAPACITOR
	C2081	F1H1A334A028	CHIP CAPACITOR
	C2094	F1H1C104A042	CHIP CAPACITOR
	C2100	F1H1H101A720	CHIP CAPACITOR
	C2101	F1H1H101A230	CHIP CAPACITOR
	C2153	F1J0J106A020	CHIP CAPACITOR
	C2189	F1H1C104A042	CHIP CAPACITOR
	C2195	F1H1H103A219	CHIP CAPACITOR
	C2201	F1H1H103A219	CHIP CAPACITOR
	C2202	D0GBR00JA008	CHIP JUMPER
	C2244	F1H0J1050012	CHIP CAPACITOR
	C2245	F1H0J1050012	CHIP CAPACITOR
	C2246	F1H1C104A042	CHIP CAPACITOR
	C2247	F1H1C104A042	CHIP CAPACITOR
	C2248	F1H0J1050012	CHIP CAPACITOR
	C2254	F1H0J1050012	CHIP CAPACITOR

	D2009	B0ACCK000012	DIODE
	D2025	DZ2J043M0L	DIODO
	D2028	B0ACCK000012	DIODE
	D6032	DZ2J24000L	DIODO
	IC2007	C0ABBA000159	ICs AMP.
	IC2012	C0ABBB000230	CIRCUITO INTEGRADO
	Q2021	B1ABCF000176	TRANSISTOR
	Q2038	B1ABCF000176	TRANSISTOR
	Q2039	B1ADCE000012	TRANSISTOR
	QR2006	B1GBCFJJ0051	TRANSISTOR
	R2017	ERJ3GEYJ332V	CHIP RESISTOR
	R2018	ERJ3GEYJ103V	CHIP RESISTOR
	R2019	ERJ3GEYJ683V	RESISTENCIA CHIP PELƎCULA
	R2026	ERJ3GEYJ101V	CHIP RESISTOR
	R2051	ERJ3GEYJ102V	CHIP RESISTOR
	R2052	ERJ3GEYJ102V	CHIP RESISTOR
	R2060	ERJ3GEYJ223V	RESISTENCIA CHIP PELƎCULA
	R2061	ERJ3GEYJ223V	RESISTENCIA CHIP PELƎCULA
	R2063	ERJ3GEYJ153V	RESISTENCIA CHIP PELƎCULA
	R2081	ERJ3GEYJ682V	CHIP RESISTOR
	R2083	ERJ3GEYJ682V	CHIP RESISTOR
	R2086	ERJ3GEYJ103V	CHIP RESISTOR
	R2087	ERJ3GEYJ103V	CHIP RESISTOR
	R2090	ERJ3GEYJ822V	RESISTENCIA CHIP PELƎCULA
	R2092	ERJ3GEYJ822V	RESISTENCIA CHIP PELƎCULA
	R2105	ERJ3GEYJ104V	CHIP RESISTOR
	R2137	ERJ3GEYJ682V	CHIP RESISTOR
	R2138	ERJ3GEYJ682V	CHIP RESISTOR
	R2141	ERJ3GEY0R00V	CHIP JUMPER
	R2142	ERJ3GEY0R00V	CHIP JUMPER
	R2262	ERJ3GEYJ271V	RESISTENCIA CHIP PELƎCULA
	R2263	ERJ3GEYJ180V	CHIP RESISTOR
	R2268	D0GB272JA008	CHIP RESISTENCIA
	R2355	ERJ3GEYJ123V	RESISTENCIA CHIP PELƎCULA
	R2357	ERJ3GEYJ475V	RESISTENCIA CHIP PELƎCULA
	R2358	ERJ3GEYJ103V	CHIP RESISTOR
	R2359	ERJ3GEYJ102V	CHIP RESISTOR
	R2360	ERJ3GEYJ104V	CHIP RESISTOR
	R2361	ERJ3GEYJ103V	CHIP RESISTOR
	R2362	ERJ3GEYJ474V	RESISTENCIA CHIP PELƎCULA
	R2364	ERJ3GEYJ222V	CHIP RESISTOR
	R2378	D0GB101JA008	CHIP RESISTOR
	R2380	ERJ3GEY0R00V	CHIP JUMPER
	R2383	D0GB823JA008	CHIP RESISTENCIA
	R2384	D0GB274JA008	CHIP RESISTOR
	R2385	D0GB474JA008	RESISTENCIA CHIP
	R2387	D0GB682JA008	CHIP RESISTOR
	R2388	D0GB221JA008	RESISTENCIA CHIP
	R2389	D0GB104JA008	CHIP RESISTENCIA
	R6011	ERJ3GEYJ153V	RESISTENCIA CHIP PELƎCULA
	R6017	ERJ3GEYJ153V	RESISTENCIA CHIP PELƎCULA
	R6058	ERJ3GEYJ103V	CHIP RESISTOR
	R6059	ERJ3GEYJ103V	CHIP RESISTOR
	R6074	ERJ3GEYJ473V	RESISTENCIA CHIP PELƎCULA
	W504	ERJ8GEY0R00V	CHIP JUMPER
	W505	ERJ8GEY0R00V	CHIP JUMPER
	W507	ERJ6GEY0R00V	CHIP JUMPER
	W508	ERJ6GEY0R00V	CHIP JUMPER
	W5572	ERJ3GEY0R00V	CHIP JUMPER
	W5573	ERJ3GEY0R00V	CHIP JUMPER
	W5575	ERJ3GEY0R00V	CHIP JUMPER
	W5584	ERJ3GEY0R00V	CHIP JUMPER
	W5588	ERJ3GEY0R00V	CHIP JUMPER
	W5589	ERJ3GEY0R00V	CHIP JUMPER
	W5592	ERJ3GEY0R00V	CHIP JUMPER
	W5593	ERJ6GEY0R00V	CHIP JUMPER
	W5594	ERJ8GEY0R00V	CHIP JUMPER
	W5595	ERJ6GEY0R00V	CHIP JUMPER
	W5596	ERJ8GEY0R00V	CHIP JUMPER
	W5598	ERJ8GEY0R00V	CHIP JUMPER
	W5599	ERJ3GEY0R00V	CHIP JUMPER
	W5600	ERJ3GEY0R00V	CHIP JUMPER
	W5601	ERJ8GEY0R00V	CHIP JUMPER
	W5603	ERJ3GEY0R00V	CHIP JUMPER
	W5604	ERJ3GEY0R00V	CHIP JUMPER

	W5606	ERJ6GEY0R00V	CHIP JUMPER
	W5607	ERJ3GEY0R00V	CHIP JUMPER
	W6005	ERJ3GEY0R00V	CHIP JUMPER
	C2258	F1H1H103A219	CHIP CAPACITOR
	C6019	D0GBR00JA008	CHIP JUMPER
	R2064	D0GB273JA008	CHIP RESISTENCIA
	R2162	ERJ3GEY0R00V	CHIP JUMPER
	R2193	ERJ3GEY0R00V	CHIP JUMPER
	R2271	ERJ3GEY0R00V	CHIP JUMPER
	R2272	D0GB272JA008	CHIP RESISTENCIA
	R2278	ERJ3GEYJ101V	CHIP RESISTOR
	R2348	ERJ3GEYJ103V	CHIP RESISTOR
	R2350	ERJ3GEYJ154V	RESISTENCIA CHIP PELƎCULA
	R2363	D0GB333JA008	CHIP RESISTENCIA
	R2377	ERJ3GEYJ102V	CHIP RESISTOR
	W5609	ERJ6GEY0R00V	CHIP JUMPER
	C2042	F1J0J106A020	CHIP CAPACITOR
	C2072	F1H1H182A219	CAPACITOR
	C2073	F1H1H182A219	CAPACITOR
	C2074	F1H1C683A087	CHIP CAPACITOR
	C2075	F1H1C683A087	CHIP CAPACITOR
	C2076	F1H1C683A087	CHIP CAPACITOR
	C2077	F1H1C683A087	CHIP CAPACITOR
	C2084	F1H1C683A087	CHIP CAPACITOR
	C2088	F1H1C683A087	CHIP CAPACITOR
	R2056	ERJ3GEYJ683V	RESISTENCIA CHIP PELƎCULA
	R2057	ERJ3GEYJ683V	RESISTENCIA CHIP PELƎCULA
	R2058	ERJ3GEYJ103V	CHIP RESISTOR
	R2059	ERJ3GEYJ103V	CHIP RESISTOR
	R2373	ERJ3GEYJ104V	CHIP RESISTOR
	R2375	ERJ3GEYJ104V	CHIP RESISTOR
	C2192	F1H0J1050012	CHIP CAPACITOR
	C2193	F1H0J1050012	CHIP CAPACITOR
	R2246	ERJ3GEYJ101V	CHIP RESISTOR
	D2002	DZ2J033M0L	DIODO
	D2003	DZ2J033M0L	DIODO
	C2078	F1H1C683A087	CHIP CAPACITOR
	C2079	F1H1C683A087	CHIP CAPACITOR
	W6001	ERJ3GEY0R00V	CHIP JUMPER
	R2294	D0GD682JA017	CHIP RESISTOR
	R2295	ERJ3GEYJ682V	CHIP RESISTOR
	W6007	ERJ3GEY0R00V	CHIP JUMPER
	R2294	D0GD682JA017	CHIP RESISTOR
	R2295	ERJ3GEYJ682V	CHIP RESISTOR
	C2127	F1H1H101A230	CHIP CAPACITOR
	C2133	F1H1H101A230	CHIP CAPACITOR
	R2062	ERJ3GEYJ683V	RESISTENCIA CHIP PELƎCULA
	R2146	D0GB333JA008	CHIP RESISTENCIA
	R2150	D0GB333JA008	CHIP RESISTENCIA
	CN6003	K1KB07B00026	CONECTOR 7 PIN
	CN6006	K1KB04B00038	CONECTOR 4 PIN
	JK6002	K2HC103A0031	HEADPHONE JECK