

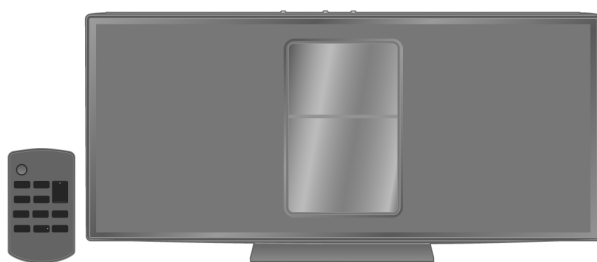
Service Manual

Compact Stereo System

Model No. **SC-HC05GN**
SC-HC05GS



Product Color: (K)...Black Type(For GN model only)
(W)...White Type



Remote Control
Transmitter

SC-HC05

⚠ 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.

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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 $1M\Omega$ and $5.2M\Omega$. 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 $1.5k\Omega$, 10 watts resistor, in parallel with a $0.15\mu F$ 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.

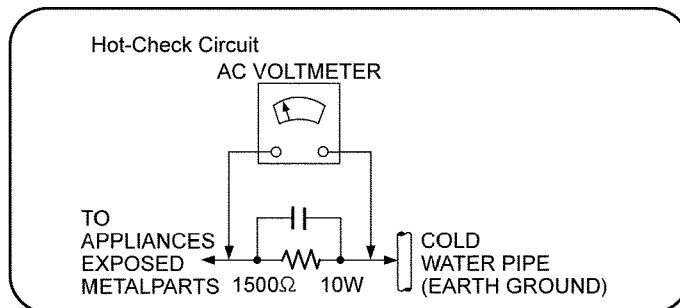


Figure. 1



1.2. Caution for AC Cord (For GS only)

For your safety, please read the following text carefully.

This appliance is supplied with a moulded three pin mains plug for your safety and convenience.

A 5-ampere fuse is fitted in this plug.

Should the fuse need to be replaced please ensure that the replacement fuse has a rating of 5-ampere and that it is approved by ASTA or BSI to BS1362.

Check for the ASTA  mark or the BSI mark  on the body of the fuse.

If the plug contains a removable fuse cover you must ensure that it is refitted when the fuse is replaced.

If you lose the fuse cover the plug must not be used until a replacement cover is obtained.

A replacement fuse cover can be purchased from your local dealer.

CAUTION!

IF THE FITTED MOULDED PLUG IS UNSUITABLE FOR THE SOCKET OUTLET IN YOUR HOME THEN THE FUSE SHOULD BE REMOVED AND THE PLUG CUT OFF AND DISPOSED OF SAFELY. THERE IS A DANGER OF SEVERE ELECTRICAL SHOCK IF THE CUT OFF PLUG IS INSERTED INTO ANY 13-AMPERE SOCKET.

If a new plug is to be fitted please observe the wiring code as stated below.

If in any doubt please consult a qualified electrician.

IMPORTANT


The wires in this mains lead are coloured in accordance with the following code:

Blue: Neutral, Brown: Live.

As these colours may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

The wire which is coloured Blue must be connected to the terminal which is marked with the letter N or coloured Black or Blue.

The wire which is coloured Brown must be connected to the terminal which is marked with the letter L or coloured Brown or Red.

WARNING: DO NOT CONNECT EITHER WIRE TO THE EARTH TERMINAL WHICH IS MARKED WITH THE LETTER E, BY THE EARTH SYMBOL OR  COLOURED GREEN OR GREEN/YELLOW.

THIS PLUG IS NOT WATERPROOF—KEEP DRY.

Before use

Remove the connector cover.

How to replace the fuse

The location of the fuse differ according to the type of AC mains plug (figures A and B). Confirm the AC mains plug fitted and follow the instructions below. Illustrations may differ from actual AC mains plug.

1. Open the fuse cover with a screwdriver.

Figure A

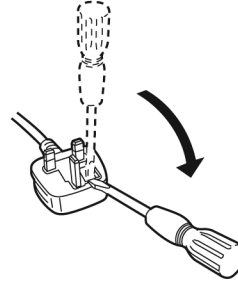
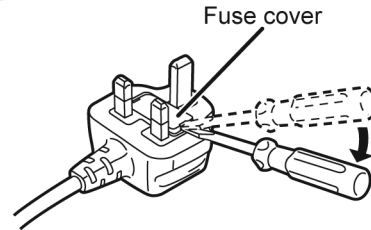


Figure B



2. Replace the fuse and close or attach the fuse cover.

Figure A

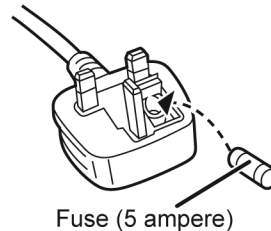
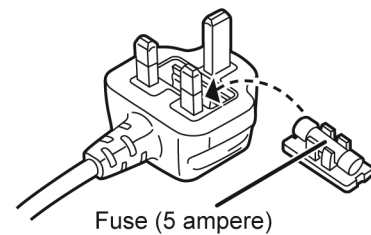


Figure B



1.3. Before Repair and Adjustment

Disconnect AC power, discharge unit AC Capacitors as such C702, C710, C725, C727 and C728 through a 10W, 1W 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 220V-240V, at 50Hz in NO SIGNAL mode, at volume minimum. (For GN)
- Current consumption at AC 110V-240V, at 50/60Hz in NO SIGNAL mode, at volume minimum. (For GS)

1.4. Caution For Fuse Replacement

CAUTION:

Replace with the same type fuse:
(Type: T3, F751, 15AL 250V)

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 Part Information

Safety Parts List:

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

These parts are marked by Δ 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.

Table 1

Safety	Ref. No.	Part No.	Part Name & Description	Remarks
Δ	61	VUEMNPHC05GN	NAME PLATE	GN-K/W
Δ	61	VUEMNPHC05GS	NAME PLATE	GS-W
Δ	A1	K2CZ3YY00005	AC CORD (3PIN)	GS
Δ	A1	K2CQ2CA00007	AC CORD (2PIN)	GS
Δ	A1	K2CJ2DA00010	AC CORD	GN
Δ	A1	K2CP2CA00001	AC CORD (with TAG)	GS
Δ	A3	RQTX1318-B	O.I BOOK (En)	GN/GS
Δ	A3	RQTX1321-G	O.I BOOK (Cn Ar)	GS
Δ	PCB3	VUEESBDHC05E	SMPS P.C.B	
Δ	W1	VUEM0102HC05	1P WHITE WIRE (W1A/W1B)	
Δ	W2	VUEM0103HC05	1P BLACK WIRE (W2A/W2B)	
Δ	F751	VUEEFHC05	FUSE	
Δ	P751	VUEEAIHC05E	AC INLET	

2 Warning

2.1. Prevention of Electro Static Discharge (ESD) to Electrostatically 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 aluminium foil, to prevent electrostatic charge build up or exposure of the assembly.
3. Use only a grounded-tip soldering iron to solder or unsolder ES devices.
4. Use only an anti-static solder remover device. Some solder removal devices not classified as “anti-static (ESD protected)” can generate electrical charge 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, aluminium foil or comparable conductive material).
7. Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.

Caution :

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

8. Minimize 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. Service caution based on Legal restrictions

2.2.1. 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%

3 Service Navigation

3.1. Service Information

1. Device definition

- iPod device: All the supported iPod/iPhone/iTouch unit
- BT: Bluetooth
- RC: Remote Control

1.1 Port description

Port/Pin	Port Type	Function	Remark
IPOD_DET	Input port	iPod detection pin	Have iPod = L
PCONT_IPOD	Output port	5V power supply pin.	Active = H

1.2 LED description

- Green LED light up at iPod mode whenever it is docked in.
- Blue LED light up at Bluetooth mode.
- Green LED will blink while available key is pressed by main set or RC.

Notes: For details, refer to each operations.

1.3 Power Modes

- There are three power modes to be implemented this unit (SC-HC05).
 - Power on Mode
 - Power Off Charging Mode (iPod Device Standby Charging Mode)
 - Standby Mode
- Power On Mode
 - When iPod device is docked, press POWER key to switch to Power off Charging Mode if the battery of iPod device is not full; otherwise, it switches to Power Standby Mode.
 - Power LED is on.
- Power Off Charging Mode
 - The main set switches to Standby Mode automatically when charging is finished.
 - Press POWER key to switch to Power on Mode with recovering the previous playback mode.
 - Power LED is off.
- Standby Mode
 - When iPod device is docked, press POWER key to switch to Power on Mode with recovering the previous playback mode.
 - Power LED is off.

1.4 Detection and connection

- The insertion of iPod device in the dock is detected by CPU through IPOD_DET line automatically and green LED will be light up.
- While iPod device is docked and main set is not in Power on Mode, iPod device maintains its current state after pressing POWER key to switch to Power on Mode.
- While switching to other source from iPod source, iPod pause, after switching back iPod source form other , iPod restore its before state.
- While iPod device is not docked and main set is in Standby Mode, iPod device goes to Pause state when it is docked.
- While iPod device is not docked and main set is in Power on Mode, when iPod device is docked it maintains its current state.
- While iPod device is docked and main set is in Power on Mode, iPod device goes to off state if main set is switched to Power off Charging Mode or Standby Mode.
- If the iPod device is in power on state, it should be detected and operated within 4~7 seconds when it is docked.
- If the iPod device is in Hibernate condition or has an empty battery, detection and Initialization process takes longer time.
- The main set will try to detect and initialize the iPod device connected for a maximum time of 30mins. If the iPod device cannot be initialized, no user operation shall be available

1.5 iPod Device's charging

- Supported iPod device is able to be charged in either Power on Mode or Power off Charging Mode, and Unsupported iPod is able to be charged in Power on Mode only.

In Power on Mode:

- The iPod device is charged automatically whenever it is docked in.
- The iPod indicator light will light up (Green LED) whenever it is docked in.
- The main set will continue to give supply to iPod device.

In Power Off Charging Mode:

- There are three ways to enter Power Off Charging Mode,
 - 1) An iPod device is docked while main set is in Standby Mode.
 - 2) Press POWER key to power off main set while a docked support iPod device is under charging and main set is in Power On Mode,
 - 3) Plug-in AC cord while a supported iPod device is already docked.
- The main set will charge iPod device only once until it is full.
- After iPod device battery is full, main set will not retry to recharge it even if it is operated such as playback
- Once iPod device is charged to full condition, the main set will switch to Standby Mode.
- If an unsupported iPod device is docked, main set will switch to Standby Mode after 10 minutes.
- If the battery gets discharged while the iPod/iPhone is left on the dock, it will not be charged again.
- Re-charging an iPod device is only to be done by removing and reinserting it to the dock.
- The iPod device will not respond to any key operation from main set.
- Main set will not respond to any iPod device operation as well.

1.6 iPod insert to dock operation

- iPod should wakeup upon insert to dock
- iPod will maintain its current state (i.e. play, pause, stop) whenever docked into power on mode (main set).

1.7 Main Set Power Off operation

- iPod playback will be pause.
- The iPod battery charging will still continue until the battery is fully charged (only apply to supported iPod products).

1.8 IDPS

- 1) It is compulsory for model that use a 2.0B authentication coprocessor, to implement Identify Device Preferences and Settings (IDPS). The IDPS process lets iPod & iPhone receive preference information from the accessory during initial communication.
- 2) This process ensures model's compatibility with future firmware.
- 3) If "Command 0x00: RequestIdentify" is received, a StartIDPS command (or "identify" if it must support 3G iPod) before it tries to send any other iAP commands.
- 4) With IDPS all iPod preferences are set before authentication.
- 5) If the iPod fails to authenticate in the Authentication 1.0 or 2.0 process, and the retry count is exhausted, the iPod may display a "Device Not Supported" message to the user.
- 6) If IDPS fail must proceed to Identify Device Lingo w/o Authentication followed by to Identify Device Lingo w/ Authentication

1.9 iPhone operation

a) iPhone operation and charging are same as other iPod devices operation and charging. The only difference is operations which related to phone features.

FEATURES	IPOD	IPHONE
Music Playback and audio output from HC05	o	o
Video Playback and audio output from HC05	o	o
Photo playback, navigate iPod/iPhone through its own LCD.	o	o
iPhone/iPod touch Common Features. • WiFi • Youtube • Other applications (games)	o <i>(must use touch screen to use features)</i>	o <i>(must use touch screen to use features)</i>
Phone Features • Answer/make phone call • Send SMS • No warning message “This accessory is not made to work with iPhone” • No warning message to switch Airplane Mode ON	×	o <i>(must use touch screen to use Phone features)</i>

2.0 Bluetooth Operation

- Pair the Bluetooth device with SC-HC05 to create an audio connection
- Define the main set device name is SC-HC05
- The BT indicator light will light up (Blue LED) when source is change to BT mode.

Note: For the BT LED blink style details, please refer to Appendix explain

Button	Description
Press [Play/Pause]	The playback state of BT device is toggled between Play and Pause.
Press [Rev. Skip]	The BT device goes to play previous file.
Press [Fwd Skip]	The BT device goes to play next file.
Press [BT]	Toggle the link mode1 and link mode2
Press & Hold [BT]	Enter into BT Pairing mode.
Press [Selector]	Switch between BT → AUX → IPOD

• To utilize these functions, the Bluetooth device must support AVRCP (Audio Video Remote Control Profile)

Note: • this unit cannot transmit data to a Bluetooth device

• while playing music by iPod/iPhone via Bluetooth connection, dock the iPod/iPhone to the main set will output the audio thru docking connection.

2.1 Mode definition

- There are three basic modes available for this unit (SC-HC05) in BT source.
- BT Pairing mode: Unit is ready to pair with any surrounding BT device.

- BT Waiting mode: Unit is waiting for any previously “Paired” device to be connected to it.
- BT Connected mode: Unit is connected with a BT device.

2.2 Entering Bluetooth source

- Upon power up, if no iPod/iPhone detected, the unit will enter to last previous source (either BT or Aux mode).
- With iPod/iPhone is docked, press the [SELECTOR] on the remote control to switch between iPod → vTuner (if vTuner application is available) → Bluetooth → Aux.
- After first enter to BT source, the unit will either enter into BT Pairing mode or Waiting mode depending on any “Paired” device stored in the memory.

2.3 BT mode operation

2.3.1 BT pairing mode:

- In BT function, Press & Hold [BT] button to enter to Pairing mode, BT LED continues fast blinking at 4Hz frequency; this blinking is controlled by main set MCU.
- BT device is able to search and pair with this main set.
- After paired, it will automatically connect to it & stay in connected mode.
- To pair with another new device, press & hold the [BT] button to enter pairing mode again.
- when switch from other source to BT source with Pairing mode, the main set will automatically try to pair with any BT device surrounding.
- A maximum of 6 BT devices can be paired & added into the memory.
- In pairing mode, main set will switch to iPod Source automatically if an iPod device is docked to it. The BT pairing mode will be terminated. Same condition applied when switch to Aux source.
- After 6 devices are paired and stored in the memory, any next newly paired device added in will delete the last no use device from the memory

2.3.2 BT waiting mode:

- In BT function, once the connected BT device is disconnect from the main set, it will enter into Waiting mode. BT LED will blink by 2s light on and 1s light off; this blinking is controlled by main set MCU.
- After a connected BT device is disconnect from the main set, it will enter into waiting mode. This can happen when
 - i) The main set is Power Off
 - ii) The connected BT device is out of working range
 - iii) Disconnect from BT device request.
 - iv) The BT device is Power Off
- when switch from other source to BT source with Waiting mode, the main set will automatically try to connect to previous connected BT device.
- In waiting mode, any previously paired device (up to 6 devices) can request to connect to this main set in the first come first serve basic.
- In waiting mode, main set will switch to iPod Source automatically if an iPod device is docked to it. The BT will stay at waiting mode in background same condition applied when switch to Aux source.

2.3.3 BT connected mode:

- Main set will enter this connected mode when
 - i) a BT device is successfully paired with the main set.
 - ii) a BT device is successfully connected to the main device.
- When BT device connected, the BT LED will be turn on.
- In any circumstance, only 1 BT device can be connected to the main set.
- At connected mode, the RC key operations for playback are available including PLAY/PAUSE, NEXT / PREV FF/FR and MODE1/MODE2/PAIRING.
- In Connected mode, main set will switch to iPod Source automatically if an iPod device is

docked to it. The connected BT device is kept connected with the main set. But, the BT indicator light is turn off. Same condition applied when switch to Aux source.

2.3.4 If main set is Power Off from BT mode:

- BT LED is off.
- BT function will be disabled which means no BT device can search for this main set.
- The previous BT device will be search and connected at next power on.

2.4 Communication quality setting

“Mode 1”: Connection with emphasis on communication, audio keeps at 128kbps

“Mode 2”: Connection with high bit rate (384kbps) of audio quality

- Default is Mode 1
- Press [BT] button to switch between Mode 1& Mode 2 at BT disconnect condition.
- This feature is made for tough environment area usage (retail shop with many wireless equipments around). This feature is not for final user application.

2.5 Standard and compatibility:

- Class 2 (permitted power: 2.5mW / 4dBm; range: ~10m)
- Version2.1 + EDR (Enhanced Data Rate - 3M/S)
- A2DP + AVRCP
(Advanced Audio Distribution Profile + Audio/Video Remote Control Profile)
- A2DP: main set acts as an audio sink device where 2-channel audio stream from BT device is transferred to it.
- AVRCP: main set acts as a controller device which provides a standard interface to control BT device.

2.6 Bluetooth connected mode with iPhone

#	Current Main Set Status	Current iPhone Status	Main Set/ RC Operation	iPhone Operation	New Main Set Status	New iPhone Status	Remarks
1	ON: BT connected Mode	iPhone Playback mode	NA	Insert to Dock	iPod mode, BT LED Off	iPod mode and pause	iPod Green LED light up
2	ON: BT connected Mode	iPhone pause/Sleep mode	NA	Insert to Dock	iPod mode, BT LED Off	Pause/Sleep mode	iPod Green LED light up and pause/sleep
3	ON: BT connected Mode	iPhone Playback mode	Press I>/II key	NA	BT mode, BT LED On	Pause mode	Pause mode
4	ON: BT connected Mode	iPhone pause/Sleep mode	Press I>/II key	NA	BT mode, BT LED On	Play mode	Playback output from main set's speakers
5	ON: BT connected Mode	iPhone Playback mode	NA	Call In	BT mode, BT LED On, Speaker output mutedn	Show caller's info	Ring tone can be heard on iPhone speakers
6	ON: BT connected Mode	iPhone pause/ Sleep mode	NA	Call in	BT mode, BT LED On	Show caller's info	Ring tone can be heard on iPhone speakers
7	ON: BT connected Mode	iPhone Playback mode	NA	End Call	BT mode, BT LED On, Speaker output resume	Show previous display	Continue playback
7	ON: BT	iPhone	NA	End Call	BT mode,	Show	Keep pause

	connected Mode	pause/Sleep mode			BT LED On	previous display	condition
8	ON: BT connected Mode	Talking mode	Any key press from main set or RC	NA	BT mode, BT LED On	Show caller's info	No effect to phone operation
9	ON: BT connected Mode	iPhone pause/Sleep mode	Press selector key	NA	Aux Mode, BT LED Off	Pause	BT led off

3. Energy Savings Operation

3.1 Energy Star compliance

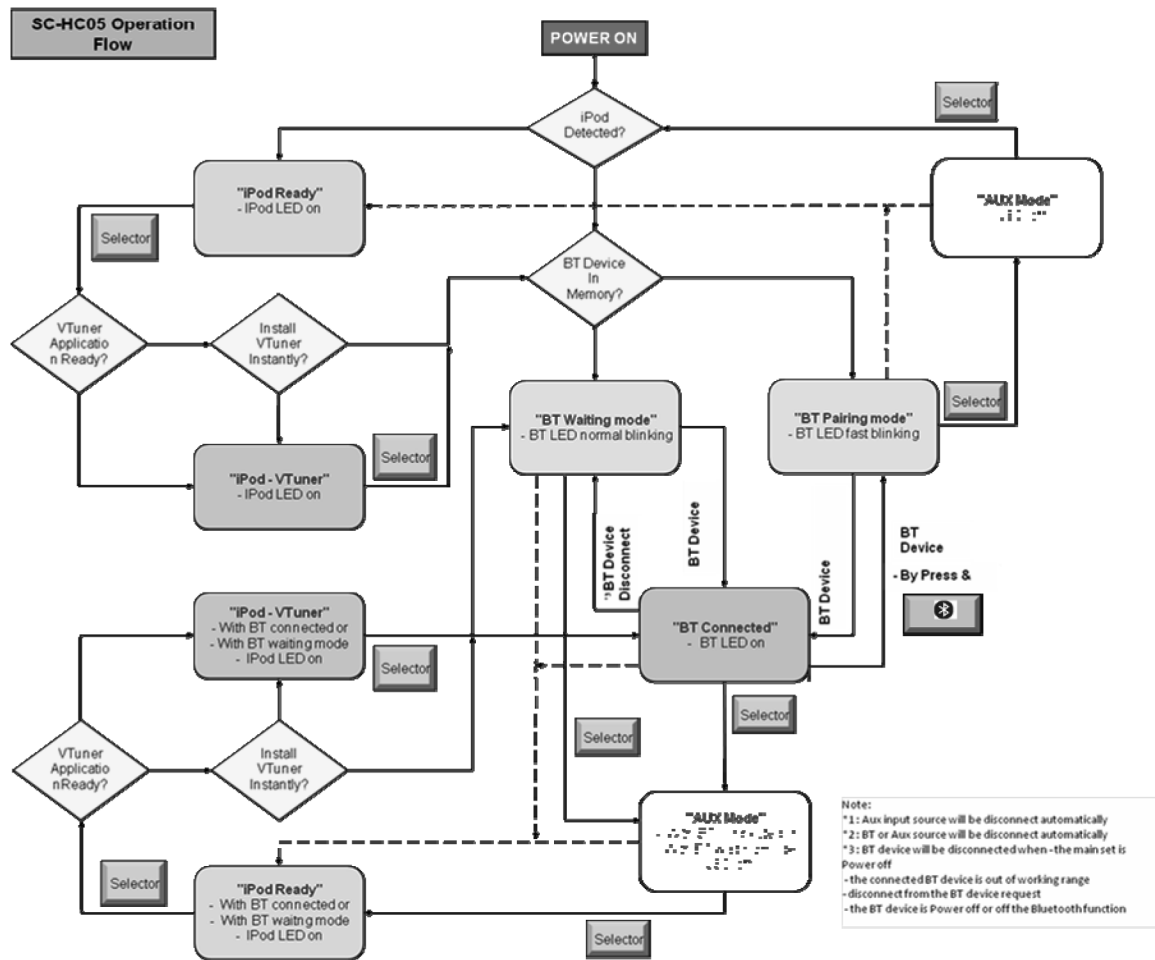
- The unit must comply to Energy star 2.0 requirement and implement APD (Auto Power Down) function.
- Press and hold “Ok “key to switch between APD OFF and APD ON at Bluetooth mode or Aux mode. But the APD function only valid for iPod and Aux mode.
- During main set be APD ON and user no any operations and no any audio input in iPod or Aux mode, the main set will Power off after 29minutes 30 seconds.
- APD turn ON - Blink white 2 times (Turn ON both Blue/Green LED).
- APD turn OFF - Blink white 1 time (Turn ON both Blue/Green LED).
- When APD ON and 1minute before the set is turn OFF, Red LED continuously blinking.
- APD default is APD ON.

4. Cold Start Factory Default

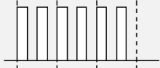

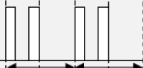

4.1 Cold start operation




- The unit can be reset to Factory Default settings by performing cold start (Reset)
- During this process, all peripherals will be initialized. Device name stored in Bluetooth module will also be cleared
- This can be done by press and hold the Power button more than 15 second on panel while insert AC power simultaneously.

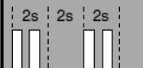
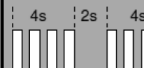

5. Unit Operation Flow



6. LED Operation and Indication Summary

	iPod	Bluetooth				
		Pairing	Connected	Waiting/Ready	MODE 1 --> MODE 2	MODE 2 --> MODE 1
Blue	OFF	Continuous Fast Blink 	ON	Continuous Slow Blink 	Blink 4secs 	Blink 4secs 
Green	ON	OFF	OFF	3s 3s OFF	2s 2s OFF	2s 2s OFF

	AUX	Remote Con Operation		
		Key Pressing	MODE 1 --> MODE 2	MODE 2 --> MODE 1
Blue	OFF	OFF	OFF	OFF
Green	OFF	Blink 2 times 	Blink 10secs 	Blink 10secs 

	Power ON		Bluetooth
	SMPS Error	Damp Error	Communication Error
Red	Blink 8secs  Shutdown	Blink 10secs  Shutdown	Continuous Fast Blink  (In BT Mode Only)

The unit has 2 LEDs.

- 1) Single colour RED LED
- 2) Dual colour BLUE/GREEN LED

Normal Operation Condition

Power ON	: RED LED light up
iPod Mode	: GREEN LED light up
Bluetooth Mode	: BLUE LED light up or blinking
AUX Mode	: No LED indication
Remote Con key Press	: GREEN LED blinking
Bluetooth Operation	: BLUE LED blinking
Set Error	: RED LED blinking

4 Specifications

■ Amplifier Section

RMS Output Power Stereo Mode

Front Ch (both ch driven)	20 W per channel (6 Ω), 1 kHz, 10% THD
Total RMS stereo mode power	40 W
PMPO output power	450 W(GS)

■ Terminals section

Aux (rear)

Terminal	Stereo, 3.5 mm jack
----------	---------------------

■ Speaker Section

Type	2 way, 2 speaker system (passive radiator)
------	---

Speaker unit(s)

Woofer	6.5 cm cone type x 1/ch
Tweeter	1.5 cm piezo type x 1/ch
Passive radiators	8 cm x 2/ch
Impedance	6 Ω

■ Bluetooth® Section

Bluetooth® system specification	Ver. 2.1 + EDR
---------------------------------	----------------

Wireless equipment classification	Class 2 (2.5 mW)
-----------------------------------	------------------

Supported profiles	A2DP, AVRCP
--------------------	-------------

Frequency band	2402 MHz to 2480 MHz (Adaptive Frequency Hopping)
----------------	--

Driving distance	10 m Line of Sight (iPhone 4, at height 1 m , in MODE 1)
------------------	--

■ General

Power supply	AC 220 to 240 V, 50 Hz(GN) AC 110 to 240 V, 50/60 Hz(GS)
--------------	---

Power consumption	16 W
-------------------	------

Dimensions (W x H x D)	370 mm x 176 mm x 85 mm [D = 121 mm dock open] [D = 59 mm without stand]
------------------------	--

Mass	1.8 kg
------	--------

Operating temperature range	0°C to +40°C
-----------------------------	--------------

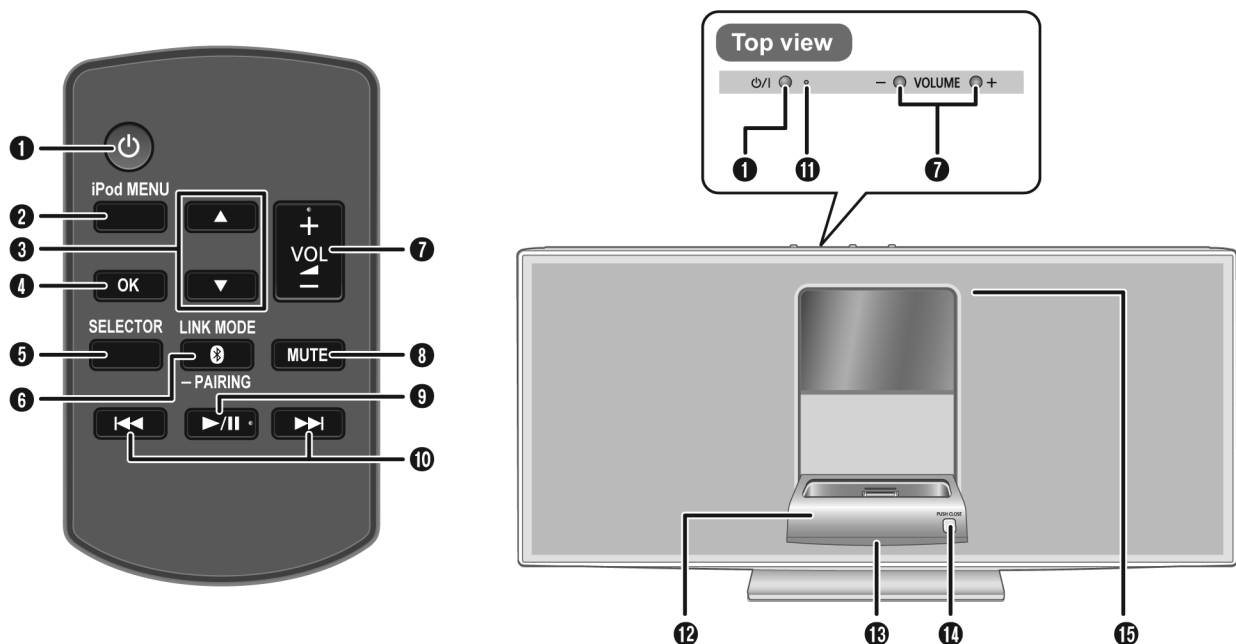
Operating humidity range	35% to 80 % RH (no condensation)
--------------------------	-------------------------------------

Power consumption in standby mode: 0.2 W (approximate)

- Specifications are subject to change without notice. Mass and dimensions are approximate.
- Total harmonic distortion is measured by the digital spectrum analyzer.

5 Location of Controls and Components

5.1. Main Unit & Remote Control Key Button Operations



1 Standby/on switch [⏻], [⏻/⏻]

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 View the iPod or iPhone menu

3 Select an item

4 Confirm a selection

Set or cancel the auto off function

5 Select iPod, Internet radio, Bluetooth® or AUX mode

Bluetooth® is the default mode except when an iPod or iPhone is connected.

6 Start Bluetooth® pairing mode

Select Bluetooth® link mode
Adjust the audio input level in AUX mode

7 Adjust the volume of the system

The setting returns to the default when you disconnect the AC mains lead.

8 Mute the sound of the system

In iPod mode : The light blue and green status indicators blink alternately.

In Bluetooth® mode : The light blue and blue status indicators blink alternately.

In AUX mode : The light blue status indicator blinks continuously.

This function does not work when the system is pairing or waiting to connect with a Bluetooth® device.

Press the button again to cancel.

Mute is also cancelled when you adjust the volume or when you switch off the system.

9 Start or pause playback

10 Skip or search track

11 Power indicator

On : The system is on

Off : The system is in standby mode

12 iPod or iPhone dock

13 Status indicator

Green : iPod mode

Blue : Bluetooth® mode

Light blue : Set or cancel the auto off function
Mute function is on

Off : AUX mode

The green status indicator blinks each time a remote control button is pressed.

14 [PUSH CLOSE]

Press while closing the dock.

15 Remote control sensor

Point the remote control at the remote control sensor, away from obstacles, at a maximum range of 7 m directly in front of the main unit.

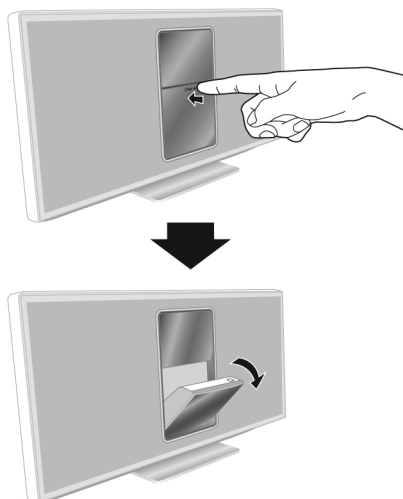
5.2. iPod or iPhone Operation

Connecting an iPod or iPhone

Preparation

Update your iPod or iPhone with the latest software.
Make sure to remove the iPod or iPhone from its case.

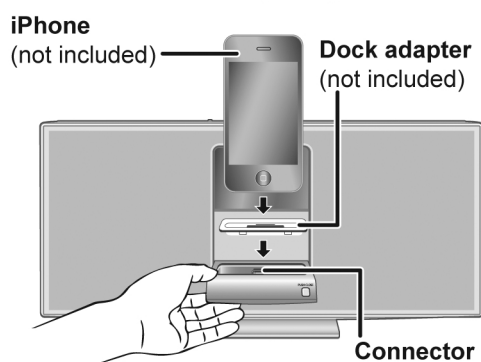
- 1 Push [▲, iPod] to open the dock.



- 2 Insert a compatible dock adapter.

- 3 Connect the iPod or iPhone.

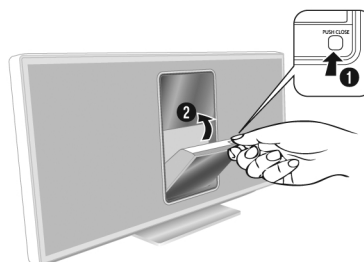
The status indicator changes to green.



Hold the dock when connecting or disconnecting the iPod or iPhone.

To close the dock

- 1 Disconnect the iPod or iPhone.
- 2 Press [PUSH CLOSE] while closing the dock.



Note:

- Make sure to align your iPod or iPhone with the connector when inserting.
- Make sure to press [PUSH CLOSE] while closing the dock to prevent damage.
- When an iPod or iPhone is connected, press [SELECTOR] to switch between modes (Internet radio, Bluetooth®, AUX or iPod).
- The system automatically switches on when you connect an iPod or iPhone that is in playback mode (except for some models).
- To purchase a dock adapter, consult your local iPod or iPhone dealer.



“Made for iPod” and “Made for iPhone” mean that an electronic accessory has been designed to connect specifically to iPod, or iPhone, respectively, and has been certified by the developer to meet Apple performance standards.

Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards.

Please note that the use of this accessory with iPod, or iPhone may affect wireless performance.

iPhone, iPod, iPod classic, iPod nano, and iPod touch are trademarks of Apple Inc., registered in the U.S. and other countries.

5.2.1. Compatibility iPod/iPhone

- For compatibility of iPod/iPhone please refer to Operating Instructions.

5.3. Using Bluetooth

You can connect and play an audio device wirelessly through Bluetooth®.

Panasonic bears no responsibility for data and/or information that can possibly be compromised during a wireless transmission.

Preparation

Switch on the Bluetooth® feature of the device and put the device near the system. Read the operating instructions of the device for details.

The blue status indicator can indicate different Bluetooth® conditions:

Blinks quickly	The system is ready for pairing.
Blinks slowly	The system is waiting to connect.
Lighted	A Bluetooth® device is connected.

Pairing and connecting a device

1 Press [SELECTOR] to select Bluetooth® mode.

Status indicator: Blue

2 Access the Bluetooth® menu of the device and search for “SC-HC05”.

3 Pair or connect the device to “SC-HC05”.

If prompted for a passkey, input “0000”.

The device connects with this system automatically after pairing is complete.

Note:

- A device must be paired to connect.
- This system can only connect to one device at a time.
- A device stays connected even if the system is switched to iPod or AUX mode.

Pairing with additional devices

1 Press [SELECTOR] to select Bluetooth® mode.

2 Press and hold [0], –PAIRING[.]

3 Access the Bluetooth® menu of the device and search for “SC-HC05”.

4 Pair or connect the device to “SC-HC05”.

You can pair up to 6 devices with this system. If a 7th device is paired, the device with the oldest connection history will be replaced.

You only have to do pairing once, unless:

- The pairing of the device has been replaced.
- The memory of this system has been reset.
- The pairing of “SC-HC05” has been deleted from the device.

Disconnecting a device

A device is disconnected when you:

- Switch off the system or the device.
- Move the device out of the maximum range (➡ “Range of use”).
- Stop or disable the Bluetooth® transmission of the device.

5.4. Using the auxiliary input

You can connect a portable audio equipment and listen to the audio through this system.

Preparation

Switch off the equalizer (if any) of the portable audio equipment to prevent sound distortion.
Decrease the volume of the system and the portable audio equipment before you connect or disconnect the portable audio equipment.

1 Connect the portable audio equipment.
Plug type: Ø 3.5 mm stereo

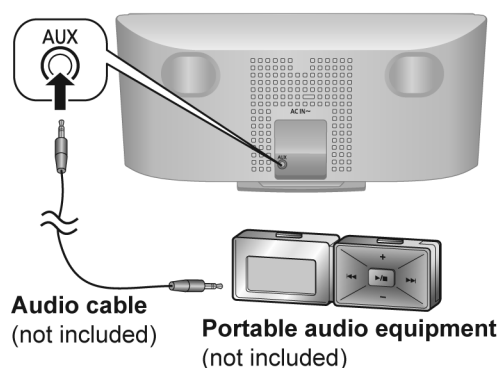
2 Press [SELECTOR] to select AUX mode.
Status indicator: Off

3 Play the portable audio equipment.

Note:

- Read the operating instructions of the portable audio equipment for details.
- Components and cables are sold separately.

Rear view



To adjust the audio input level

Press [0, LINK MODE/PAIRING].

NORMAL ↔ **HIGH**
(default)

Note:

- Select "NORMAL" if the sound is distorted during "HIGH" input level.
- The setting returns to the default when you disconnect the AC mains lead.

5.5. Listening to the Internet radio

You can listen to a radio station on the Internet if you install the "vTuner for Panasonic" application on your iPod touch or iPhone. Download this application from the App Store.

Note:

For compatible iPod touch and iPhone models and instructions on how to use the "vTuner for Panasonic" application, refer to:

<http://radio.vtuner.com/panasonic/en/>

Preparation

Install "vTuner for Panasonic" on your iPod touch or iPhone.

Connect your iPod touch or iPhone to the Internet. Go to the Home screen of the iPod touch or iPhone.

1 Connect the iPod touch or iPhone.

2 Press [SELECTOR] to start the application.

5.6. Using the auto off function

The system automatically switches off if there is no audio input and you do not use it for approximately 30 minutes.

1 Press [SELECTOR] to select AUX mode.
Status indicator: Off

2 Press and hold [OK].

ON ↔ **OFF**
(default)

ON : The light blue status indicator blinks 2 times.

OFF : The light blue status indicator blinks 1 time.

Note:

- This function does not work when a Bluetooth® device is connected.
- 1 minute before the system switches off, the power indicator blinks.
- The setting returns to the default when you disconnect the AC mains lead.

6 Disassembly and Assembly Instructions

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)

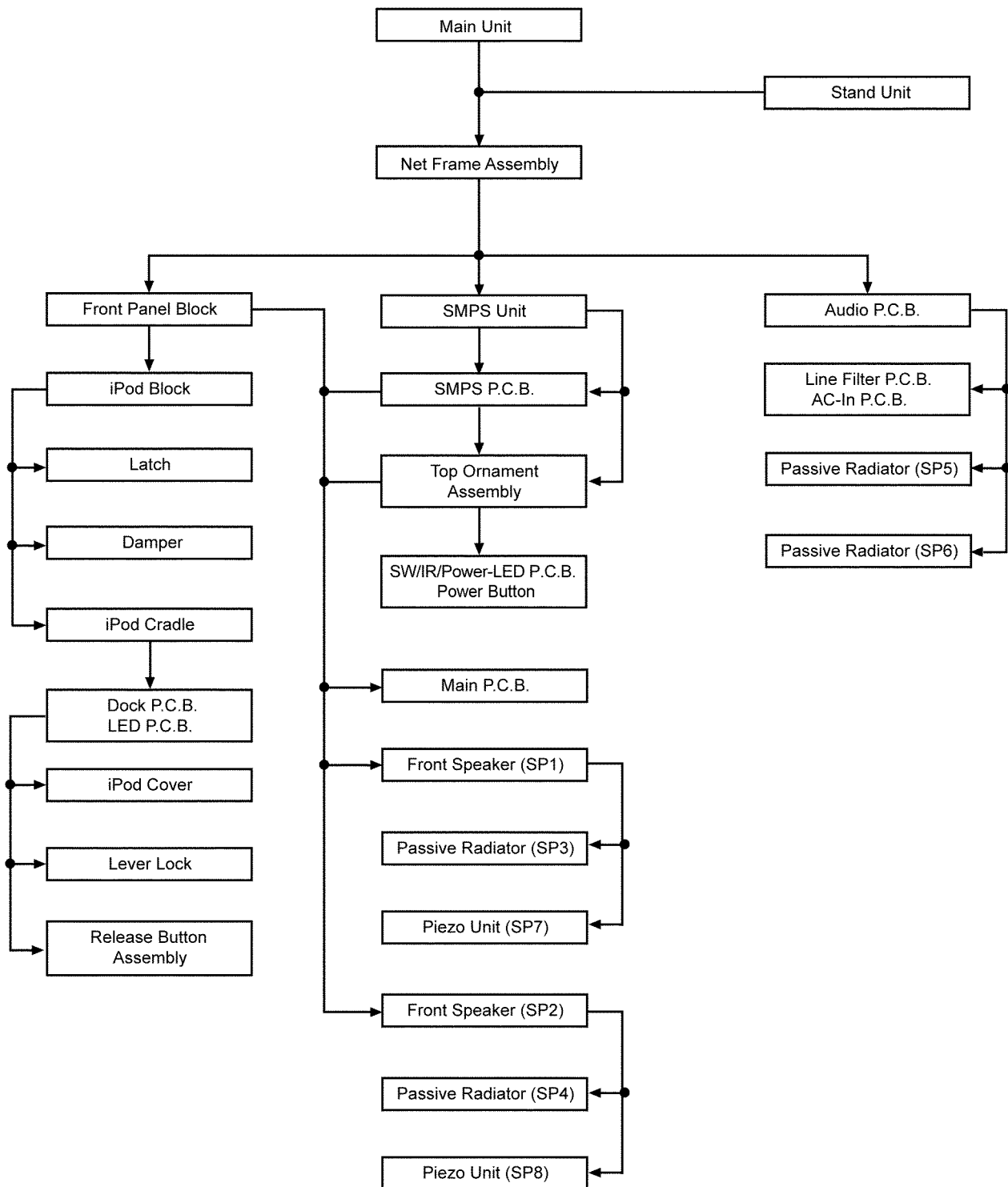
**CAUTION: HOT!!
PLEASE DO NOT
TOUCH THE HEAT SINK**

- 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 Stand Unit
 - Disassembly of Net Frame Assembly
 - Disassembly of Front Panel Block
 - Disassembly of iPod Block
 - Disassembly of Latch
 - Replacement of Damper
 - Disassembly of iPod Cradle
 - Disassembly of Dock P.C.B. and LED P.C.B.
 - Replacement of iPod Cover
 - Disassembly of Lever Lock
 - Disassembly of Release Button Assembly
 - Disassembly of SMPS Unit
 - Disassembly of SMPS P.C.B.
 - Disassembly of Top Ornament Assembly
 - Disassembly of SW/IR/Power-LED P.C.B. and Power Button
 - Disassembly of Audio P.C.B.
 - Disassembly of Line Filter P.C.B. and AC-In P.C.B.
 - Disassembly of Main P.C.B.
 - Disassembly of Passive Radiator (SP6)
 - Disassembly of Front Speaker (SP2)
 - Disassembly of Piezo Unit (SP8)
 - Disassembly of Passive Radiator (SP4)
 - Disassembly of Passive Radiator (SP5)
 - Disassembly of Front Speaker (SP1)
 - Disassembly of Piezo Unit (SP7)
 - Disassembly of Passive Radiator (SP3)

6.1. Disassembly flow chart

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

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



6.2. Types of Screws

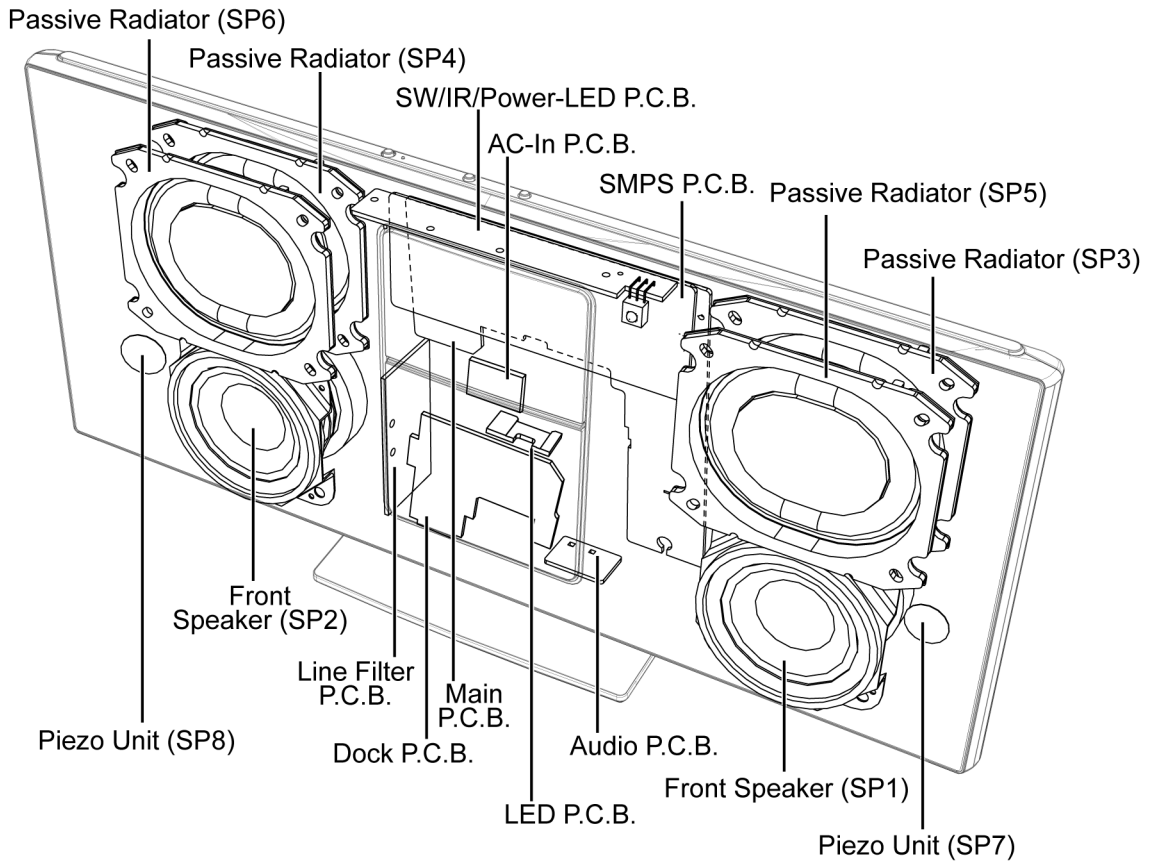
CAUTION NOTE:

Please use original screw and at correct locations.

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

- a** : VUEM0701SS
- b** : VUEM0619SS
- c** : VUEM0131SS
- d** : VUEM0201SS
- e** : VUEM0501SS
- f** : VUEM0401SS
- g** : VUEM1501SS

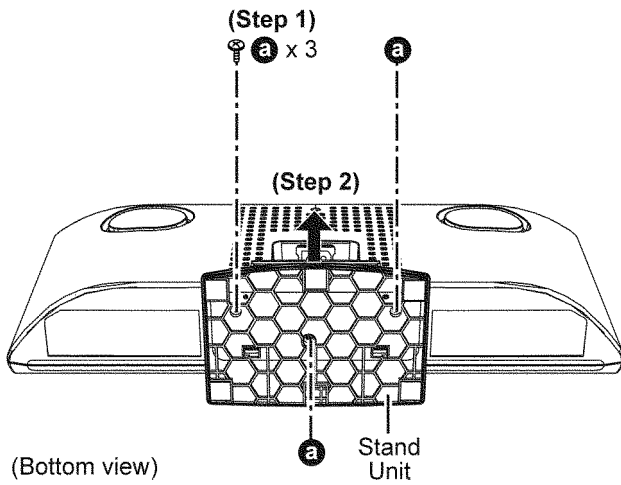
6.3. Main Parts Location Diagram



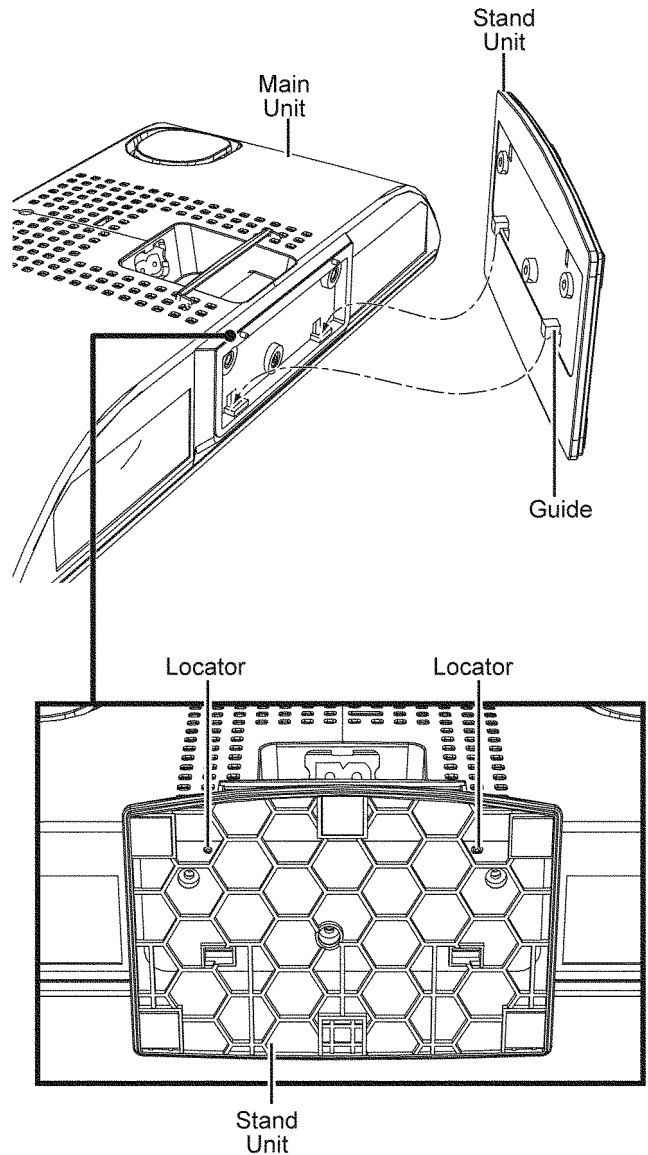
6.4. Disassembly of Stand Unit

Step 1 : Remove 3 screws.

Step 2 : Lift up the stand unit as arrow shown.

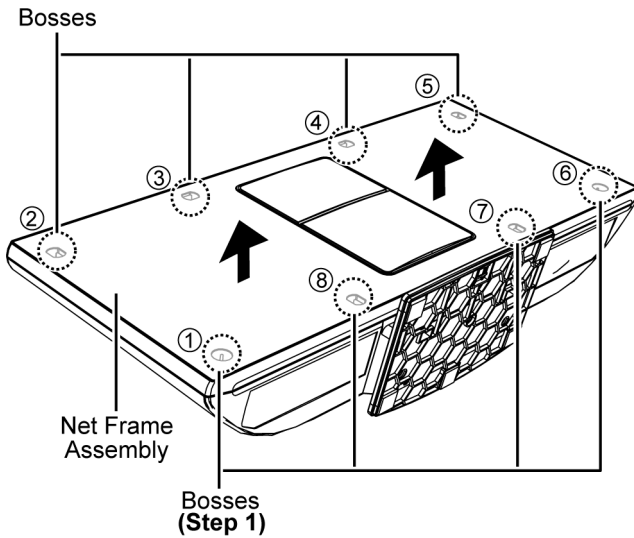


Caution : During assembling, ensure Stand Unit are seated properly into respective guides and locators of main unit.

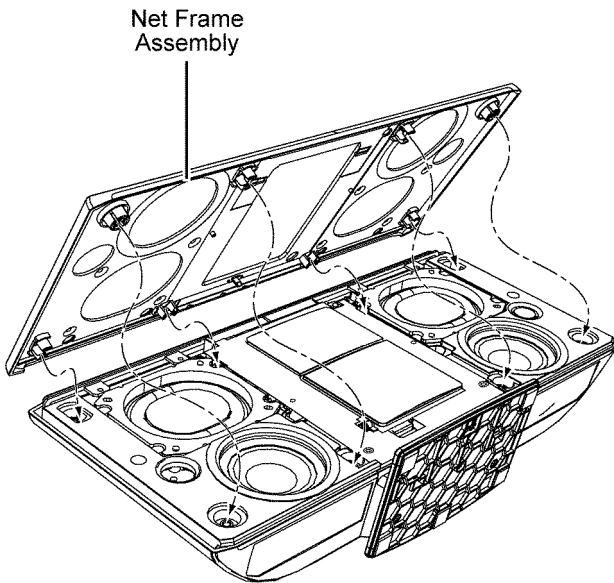


6.5. Disassembly of Net Frame Assembly

Step 1 : Gently lift up the Net Frame Assembly by release the 8 bosses in order of sequence (1) to (8) as shown.



Caution : During assembly of Net Frame Assembly, ensure it is fixed properly.



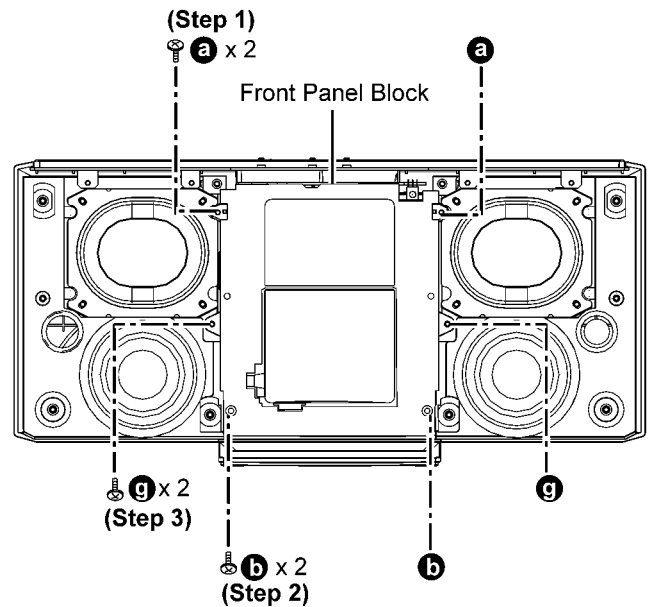
6.6. Disassembly of Front Panel Block

• Refer to "Disassembly of Net Frame Assembly"

Step 1 : Remove 2 screws.

Step 2 : Remove 2 screws.

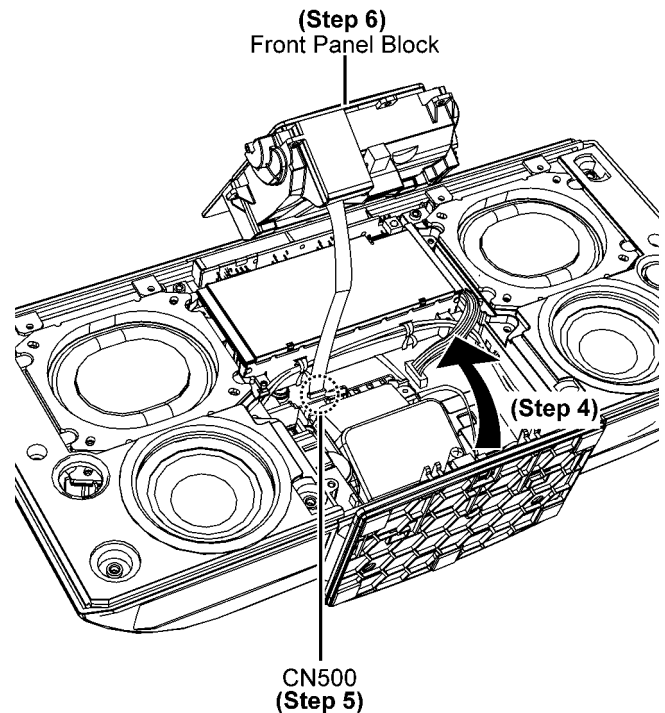
Step 3 : Remove 2 screws.



Step 4 : Lift up the Front Panel Block as shown.

Step 5 : Detach the 12P FFC at connector (CN500) on Main P.C.B..

Step 6 : Remove the Front Panel Block.

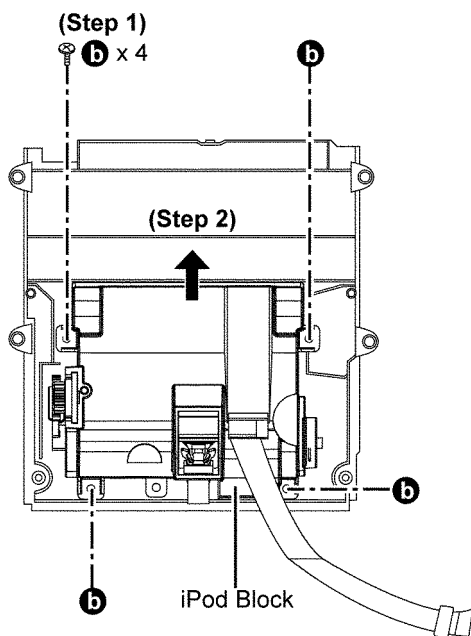


6.7. Disassembly of iPod Block

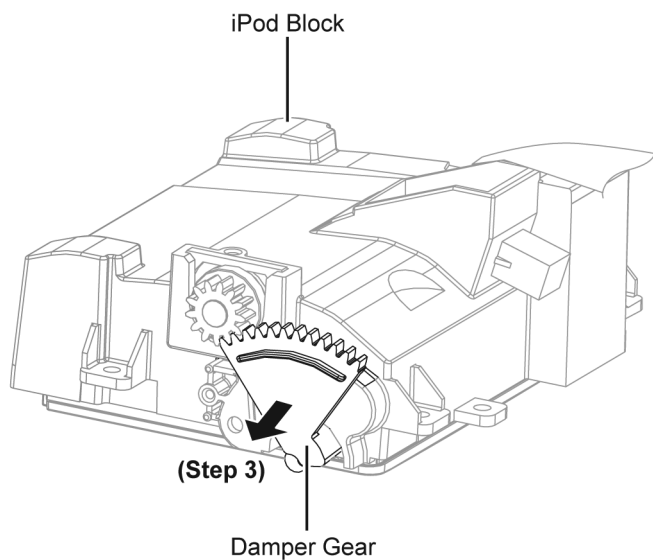
- Refer to “Disassembly of Net Frame Assembly”
- Refer to “Disassembly of Front Panel Block”

Step 1 : Remove 4 screws.

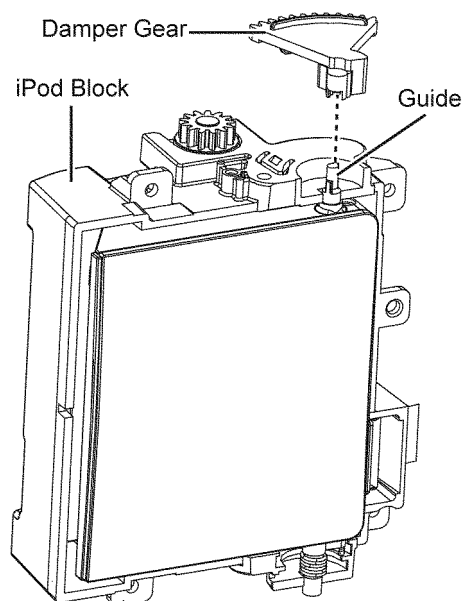
Step 2 : Remove iPod Block as arrow shown.



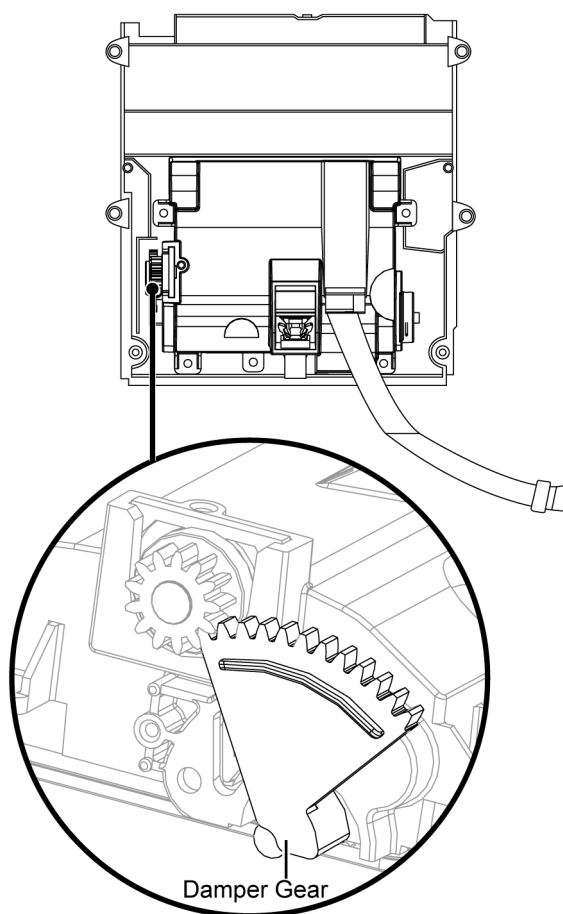
Step 3 : Remove Damper Gear as shown.



Caution : During assembly, ensure the Damper Gear align to the guide.



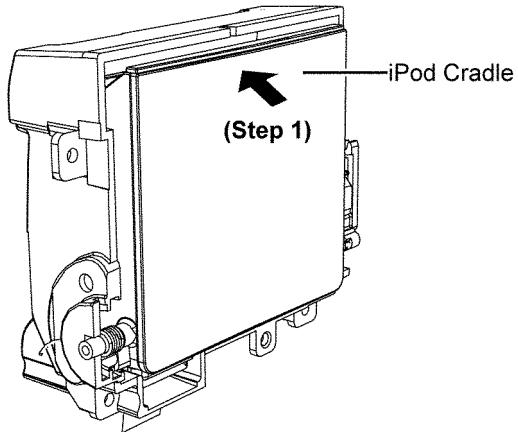
Caution : During disassembling, the Damper Gear may drop out, please keep it in the safe place for assembling use.



6.8. Disassembly of Latch

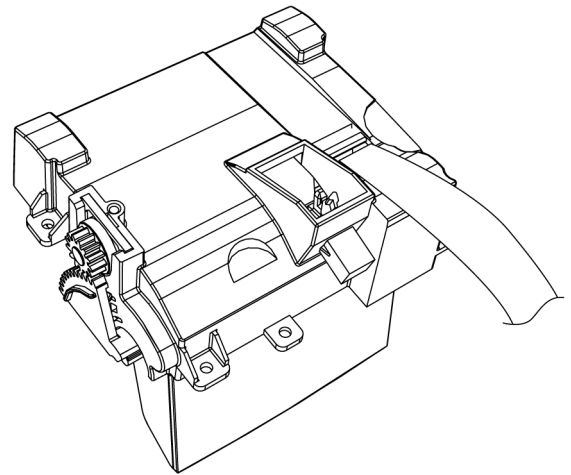
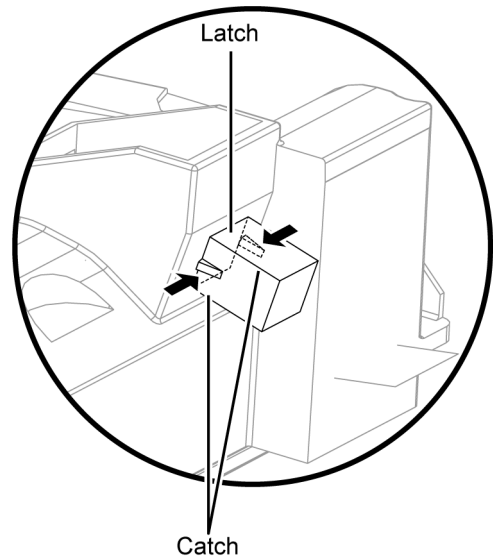
- Refer to “Disassembly of Net Frame Assembly”
- Refer to “Disassembly of Front Panel Block”
- Refer to “Disassembly of iPod Block”

Step 1 : Press to open the iPod Cradle.

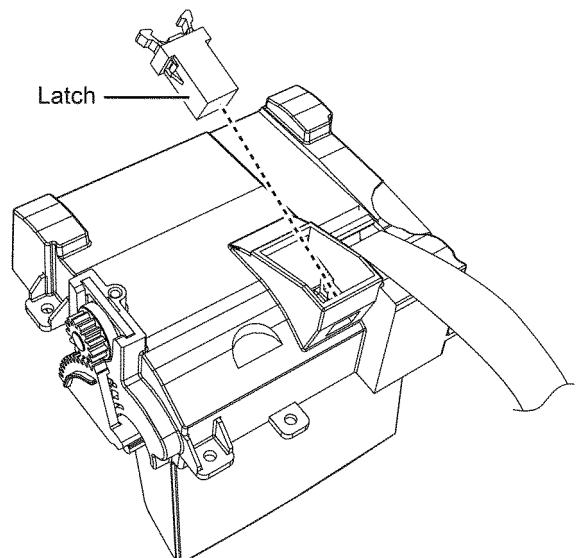


Step 2 : Press and release the both catches.

Caution : During assembling, ensure the Latch is fully caught and inserted into the iPod Cradle.



Step 3 : Remove the Latch as shown.



6.9. Replacement of Damper

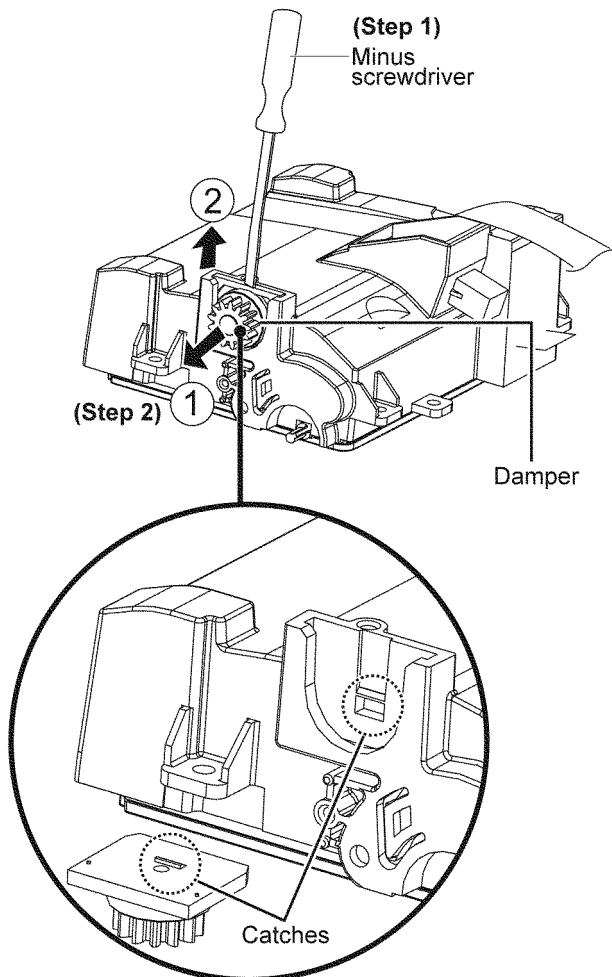
6.9.1. Disassembly of Damper

- Refer to “Disassembly of Net Frame Assembly”
- Refer to “Disassembly of Front Panel Block”
- Refer to “Disassembly of iPod Block”

Step 1 : Insert minus screwdriver to release catch.

Step 2 : Remove Damper as arrow shown in order.

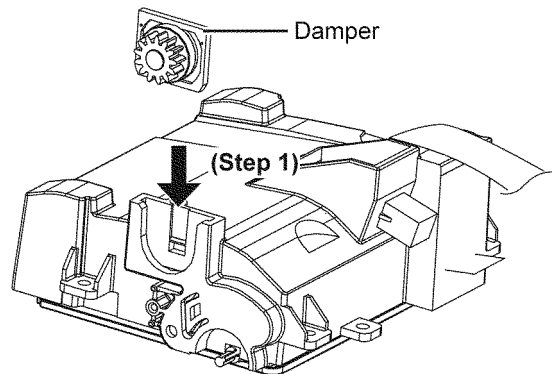
Caution : Do not apply strong force when release the catch.



6.9.2. Assembly of Damper

Step 1 : Slot the Damper into the hole as shown.

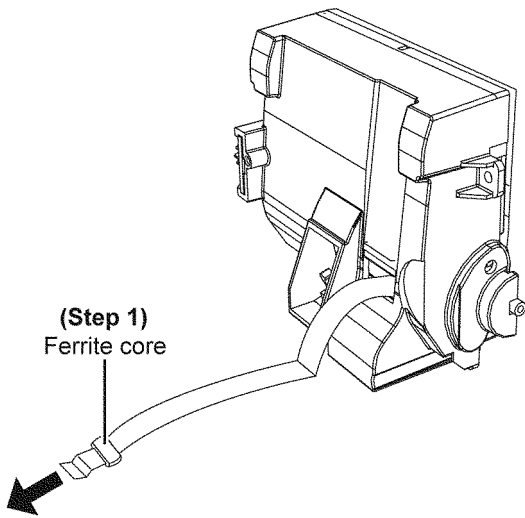
Caution : During assembling, ensure the Damper is seated properly. A 'click' sound will be heard when fully caught.



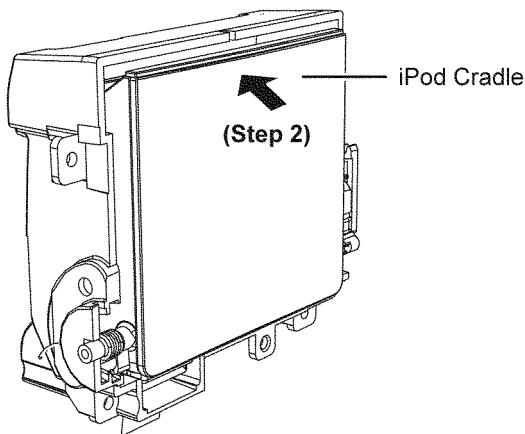
6.10. Disassembly of iPod Cradle

- Refer to "Disassembly of Net Frame Assembly"
- Refer to "Disassembly of Front Panel Block"
- Refer to "Disassembly of iPod Block"

Step 1 : Remove the ferrite core as shown.

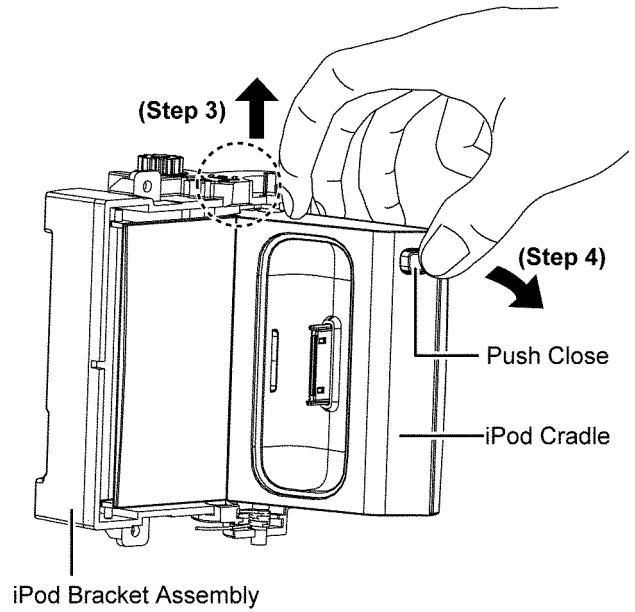


Step 2 : Press to open the iPod Cradle.

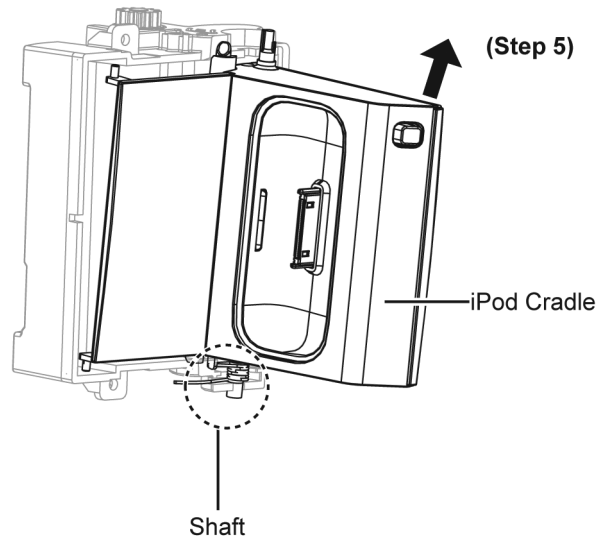


Step 3 : While pressing the Push Close button, slightly lift up the iPod Bracket Assembly.

Step 4 : Release the shaft from iPod Bracket Assembly as arrow shown.

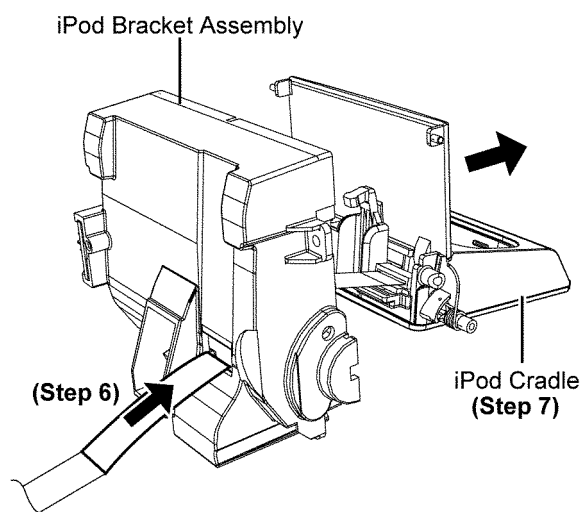


Step 5 : Release another shaft of the iPod Cradle as shown.



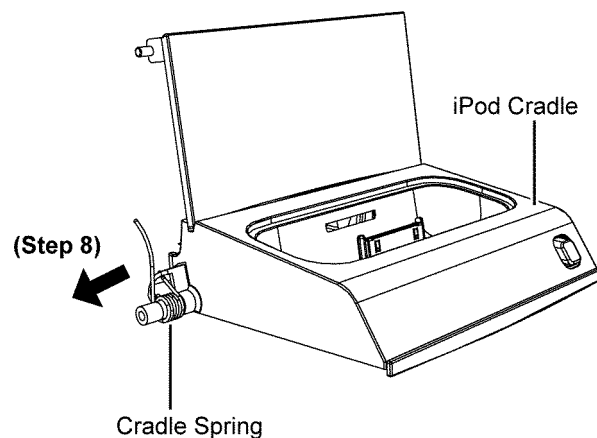
Step 6 : Release the 12P FFC through the iPod Bracket Assembly as arrow shown.

Step 7 : Remove the iPod Cradle as arrow shown.

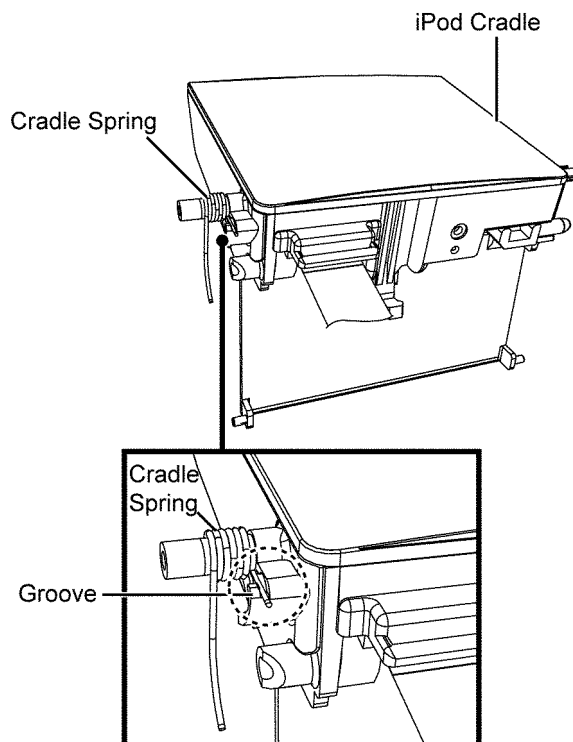


Step 8 : Remove the Cradle Spring.

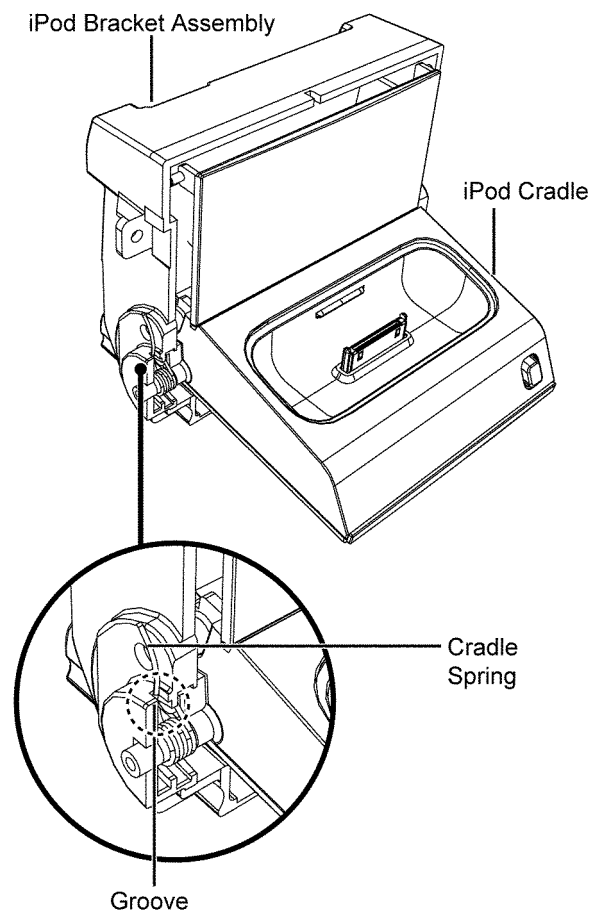
Caution : Please keep Cradle Spring in the safe place for assembling use.



Caution : During assembling the Cradle Spring, ensure that the one end of the spring is hooked onto the groove of the iPod Cradle..



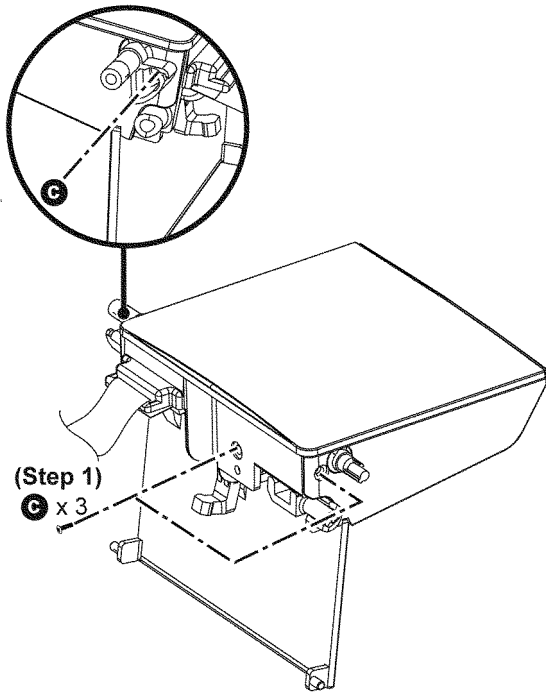
Caution : During assembling the iPod Cradle to the iPod Bracket Assembly, ensure that the one end of the Cradle Spring is hooked onto the groove of the iPod Bracket Assembly.



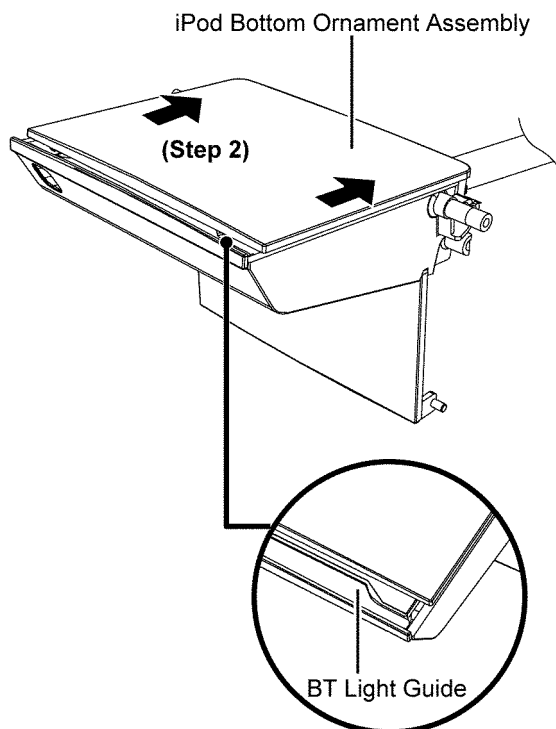
6.11. Disassembly of Dock P.C.B and LED P.C.B.

- Refer to "Disassembly of Net Frame Assembly"
- Refer to "Disassembly of Front Panel Block"
- Refer to "Disassembly of iPod Block"
- Refer to "Disassembly of iPod Cradle"

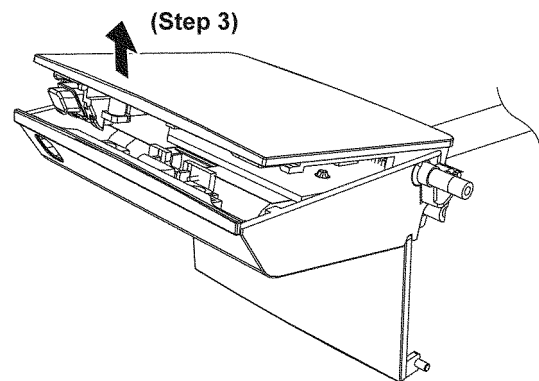
Step 1 : Remove 3 screws.



Step 2 : Slightly push the iPod Bottom Ornament Assembly inward till it shown part of the BT Light Guide.

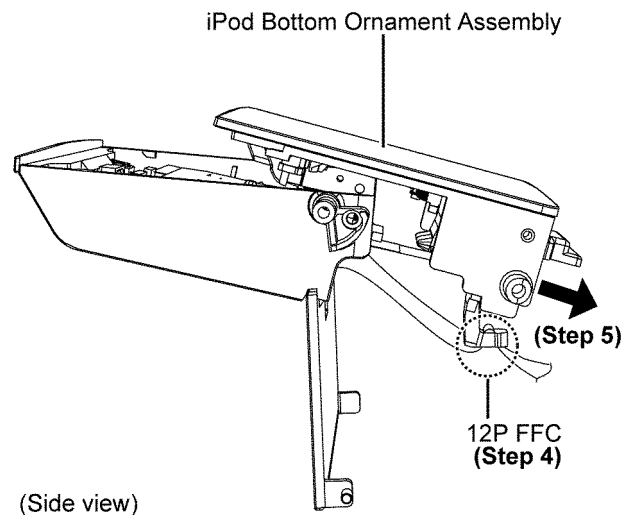


Step 3 : Slightly lift up the iPod Bottom Ornament Assembly.



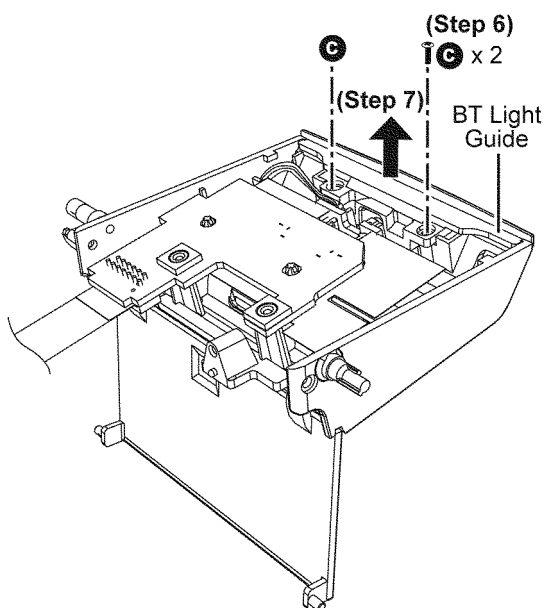
Step 4 : Release the 12P FFC from the iPod Bottom Ornament Assembly as shown.

Step 5 : Remove the iPod Bottom Ornament Assembly as shown.

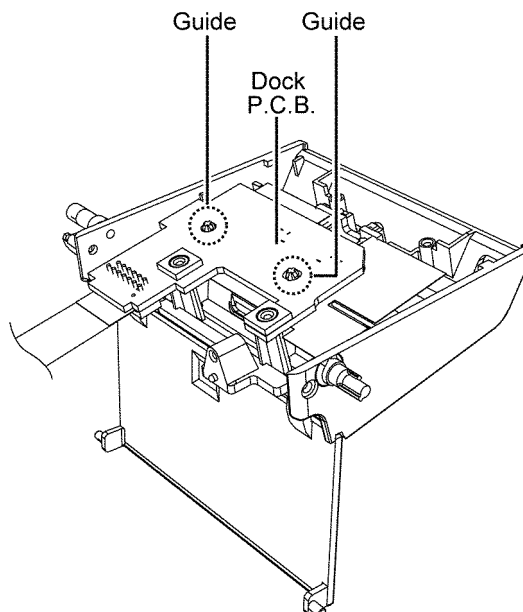


Step 6 : Remove 2 screws.

Step 7 : Remove the BT Lighting Guide as shown.

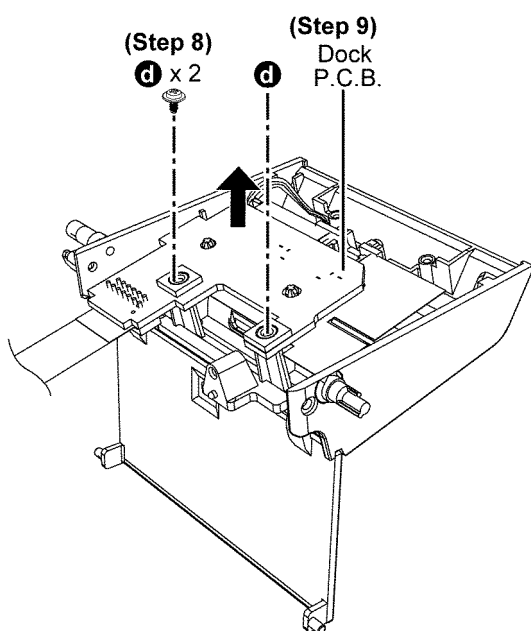


Caution : During assembling, ensure the Dock P.C.B. is seated properly onto guides.



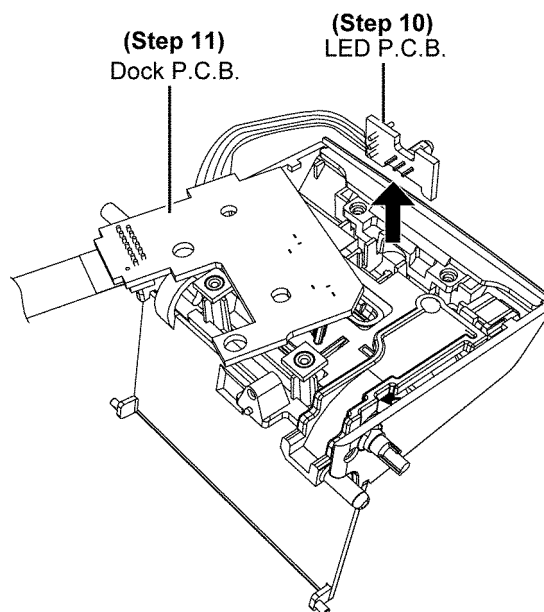
Step 8 : Remove 2 screws.

Step 9 : Lift up the Dock P.C.B. as shown.

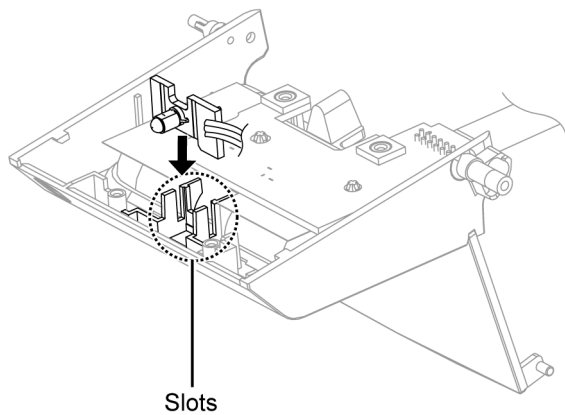


Step 10 : Lift up the LED P.C.B..

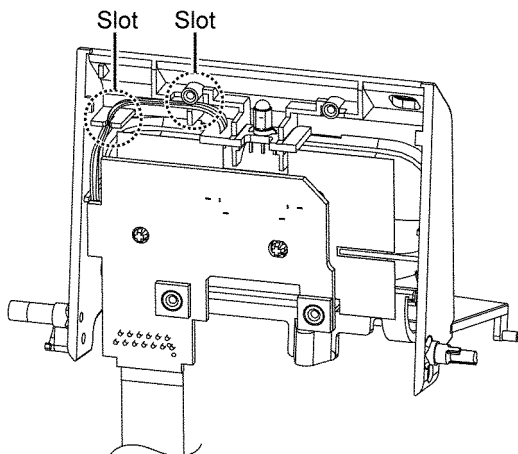
Step 11 : Remove both Dock P.C.B. and LED P.C.B. together.



Caution : During assembling, ensure the LED P.C.B is seated properly onto slots.



Caution : During assembling, ensure the 3P cable wire is seated properly onto slots.

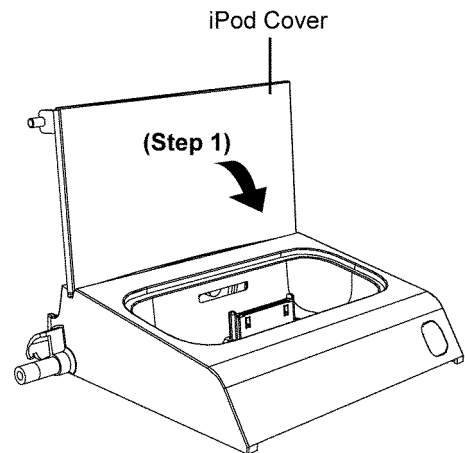


6.12. Replacement of iPod Cover

- Refer to "Disassembly of Net Frame Assembly"
- Refer to "Disassembly of Front Panel Block"
- Refer to "Disassembly of iPod Block"
- Refer to "Disassembly of iPod Cradle"
- Refer to "(Step 1) - (Step 5) of item 6.11."

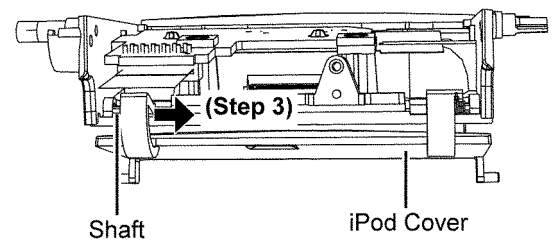
6.12.1. Disassembly of iPod Cover

Step 1 : Close the iPod Cover.

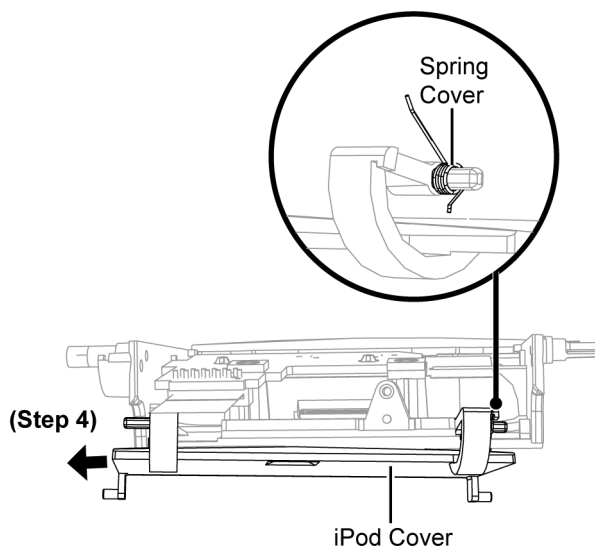


Step 2 : Upset the iPod Cradle.

Step 3 : Push inward the shaft of the iPod Cover in the direction shown.



Step 4 : Remove the iPod Cover with Spring Cover as shown.
Caution : Keep the Spring Cover in the safe place and place it back during assembling.



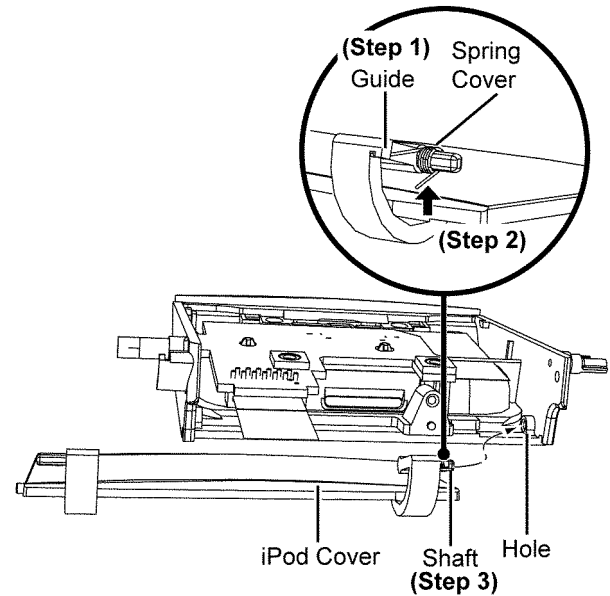
6.12.2. Assembly of iPod Cover

Step 1 : Hook the Spring Cover onto guide.

Step 2 : Lift up the Spring Cover while slot the iPod Cover into the hole.

Step 3 : Install the iPod Cover as shown.

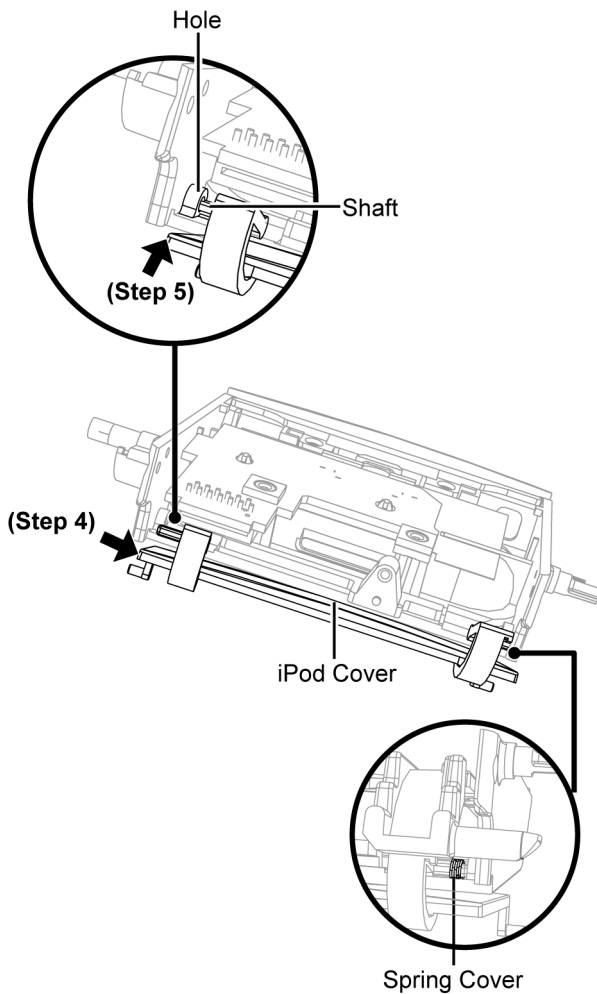
Caution : Ensure the shaft of the iPod Cover is seated properly into hole.



Step 4 : Slightly push the iPod Cover inward.

Step 5 : Insert the iPod Cover into the hole.

Caution : Ensure the shaft of the iPod Cover is seated properly into hole.



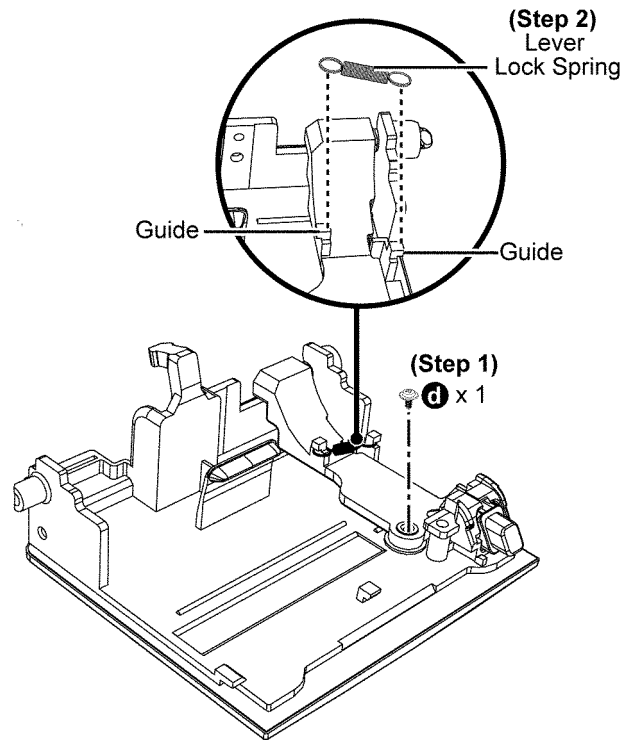
6.13. Disassembly of Lever Lock

- Refer to "Disassembly of Net Frame Assembly"
- Refer to "Disassembly of Front Panel Block"
- Refer to "Disassembly of iPod Block"
- Refer to "Disassembly of iPod Cradle"
- Refer to "(Step 1) - (Step 5) of item 6.11."

Step 1 : Remove 1 screw.

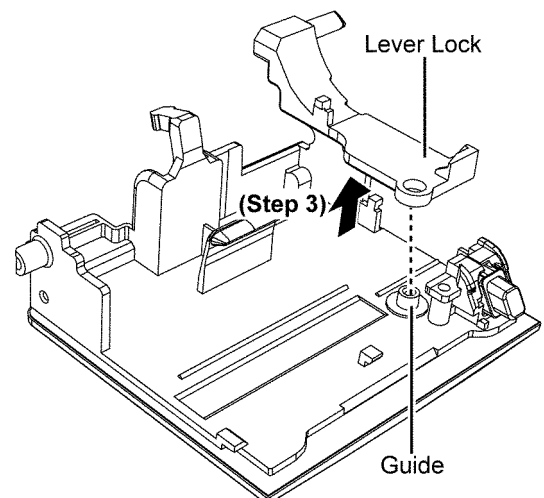
Step 2 : Remove the Lever Lock Spring from the guides.

Caution : During assembling, ensure the Lever Lock Spring is hooked properly onto guides.



Step 3 : Remove the Lever Lock as shown.

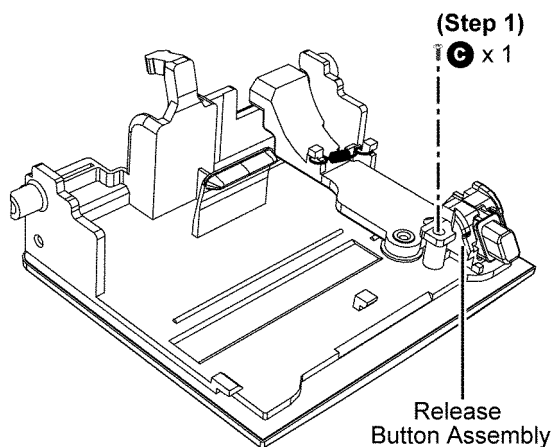
Caution : During assembling, ensure the Lever Lock is seated properly onto guide.



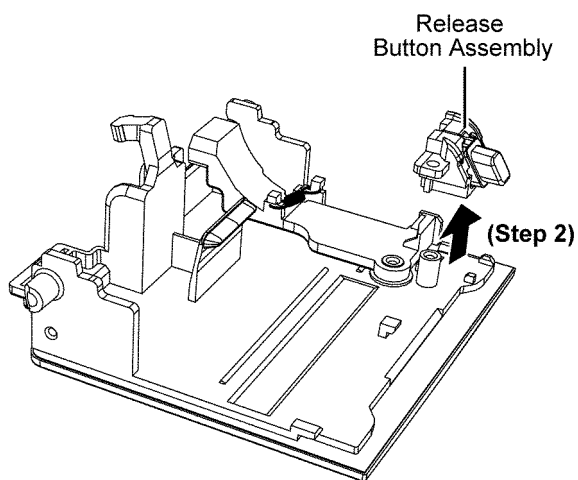
6.14. Disassembly of Release Button Assembly

- Refer to “Disassembly of Net Frame Assembly”
- Refer to “Disassembly of Front Panel Block”
- Refer to “Disassembly of iPod Block”
- Refer to “Disassembly of iPod Cradle”
- Refer to “(Step 1) - (Step 5) of item 6.11.”

Step 1 : Remove 1 screw.

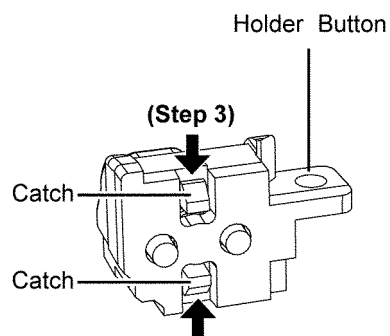


Step 2 : Remove the Release Button Assembly as shown.



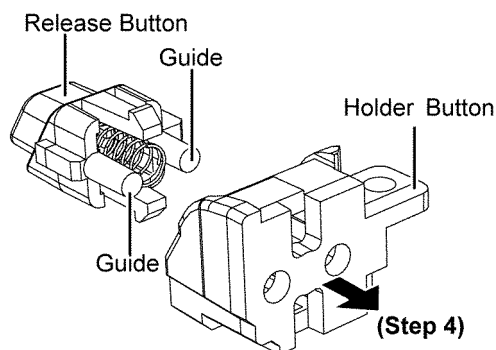
Step 3 : Press the catches to release from Holder Button .

Caution : During assembling, ensure the Release Button is fully caught onto the Holder Button.

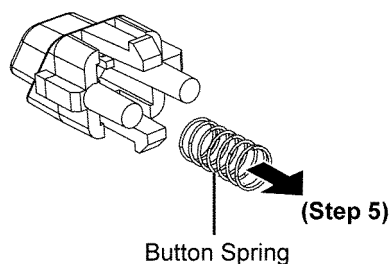


Step 4 : Remove the Holder Button s shown.

Caution : During assembling, ensure the Release Button is seated properly onto guides.



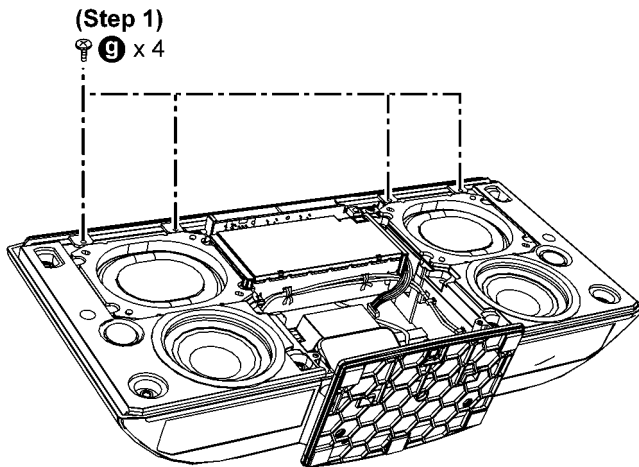
Step 5 : Remove the Button Spring as shown.



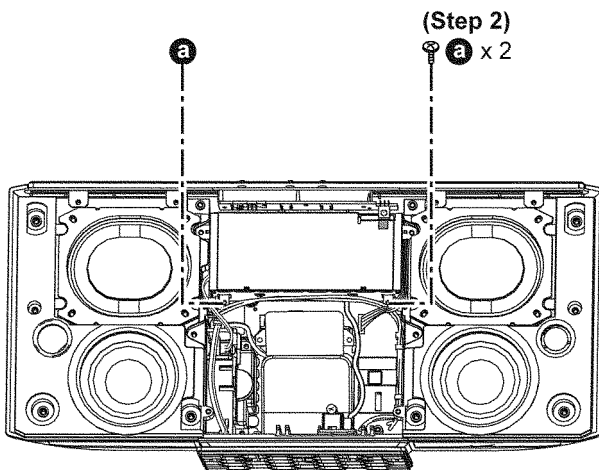
6.15. Disassembly SMPS Unit

- Refer to "Disassembly of Net Frame Assembly"
- Refer to "Disassembly of Front Panel Block"

Step 1 : Remove 4 screws.

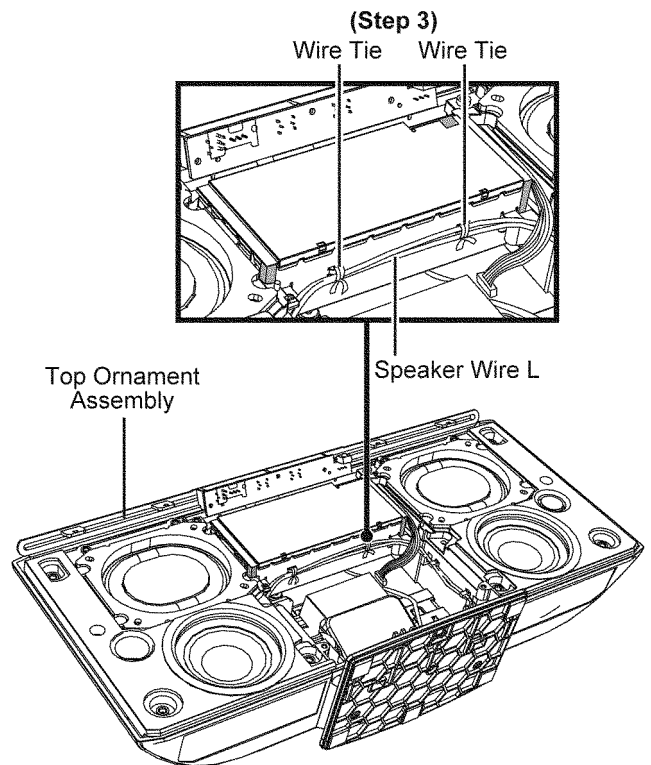


Step 2 : Remove 2 screws.



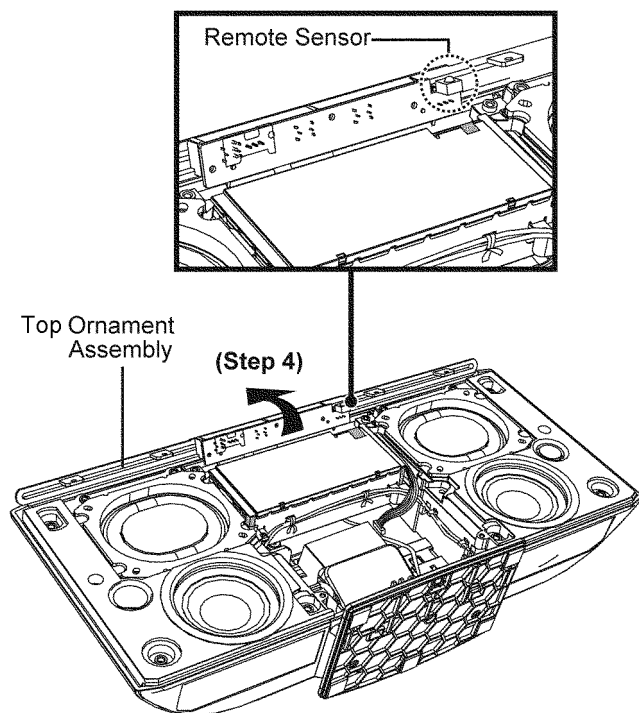
Step 3 : Release both wire tie.

Caution : Ensure the Speaker Wire L is tie back during assembly of SMPS Unit.



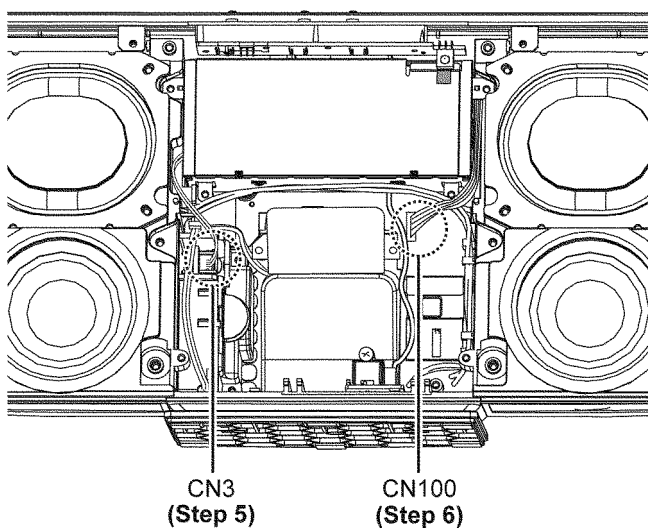
Step 4 : Slightly shift up the Top Ornament Assembly as shown.

Caution : Avoid touching the Remote Sensor during disassembly of SMPS Unit.

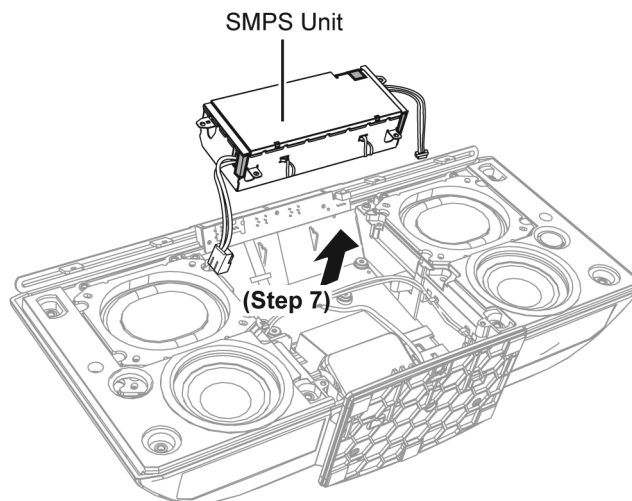


Step 5 : Detach 2P wire at the connector (CN3) on the Line Filter P.C.B..

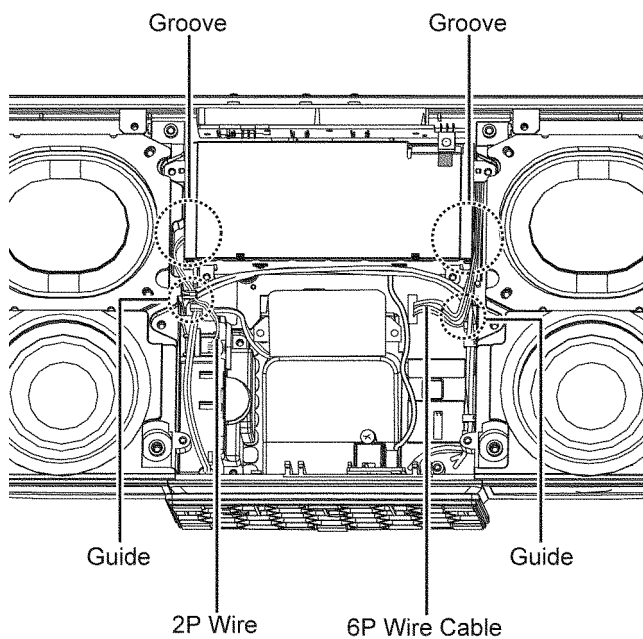
Step 6 : Detach 6P wire cable at the connector (CN100) on the Main P.C.B..



Step 7 : Remove the SMPS Unit as arrow shown..



Caution : Ensure the 2P Wire and 6P Wire Cable are dressed into grooves and guides as shown during assembling of SMPS Unit.

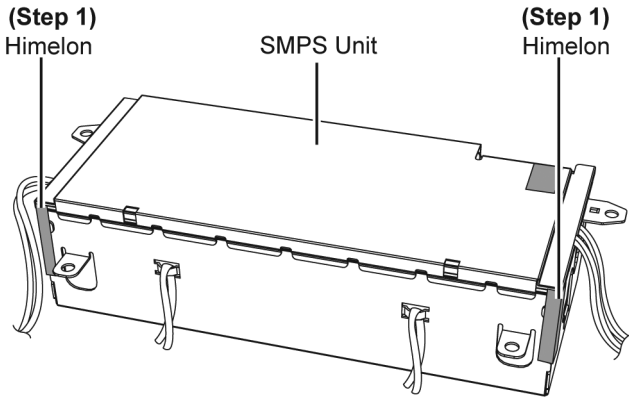


6.16. Disassembly SMPS P.C.B.

- Refer to "Disassembly of Net Frame Assembly"
- Refer to "Disassembly of Front Panel Block"
- Refer to "Disassembly of SMPS Unit"

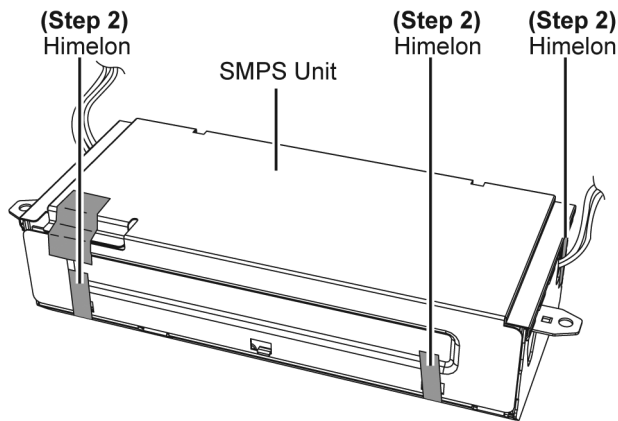
Step 1 : Lift up the Himelons.

Caution : Replace the Himelons if they are torn during disassembling.

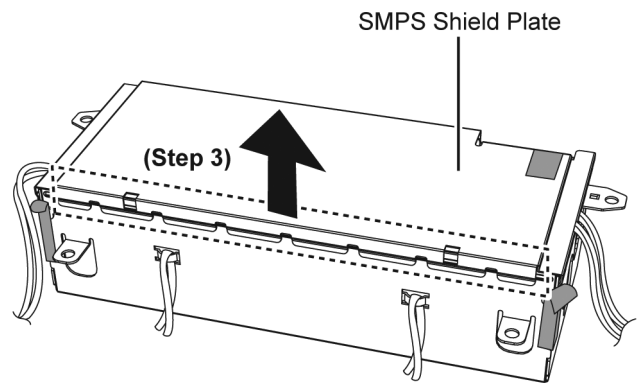


Step 2 : Lift up the Himelons.

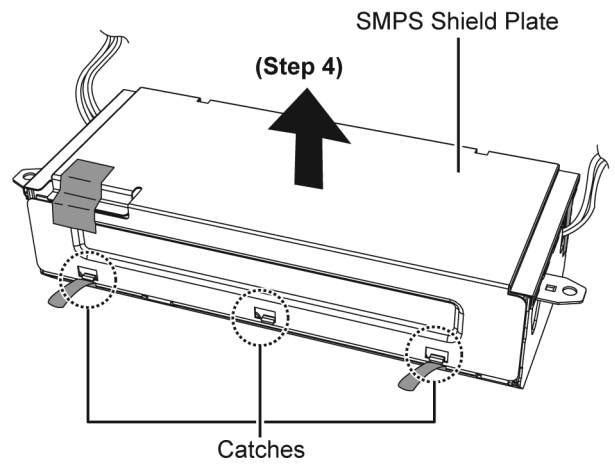
Caution : Replace the Himelons if they are torn during disassembling.



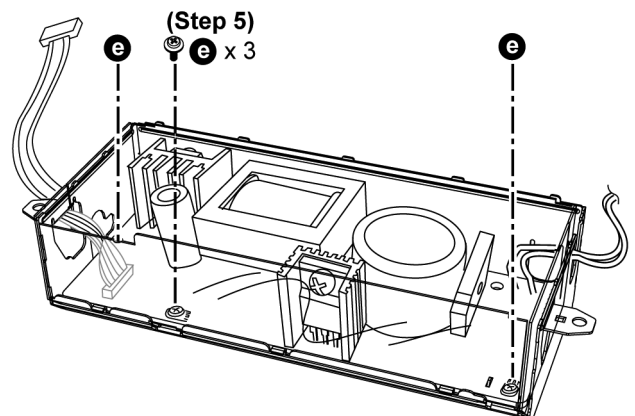
Step 3 : Gently lift up the SMPS Shield Plate as arrow shown.



Step 4 : Release the catches to remove the SMPS Shield Plate.

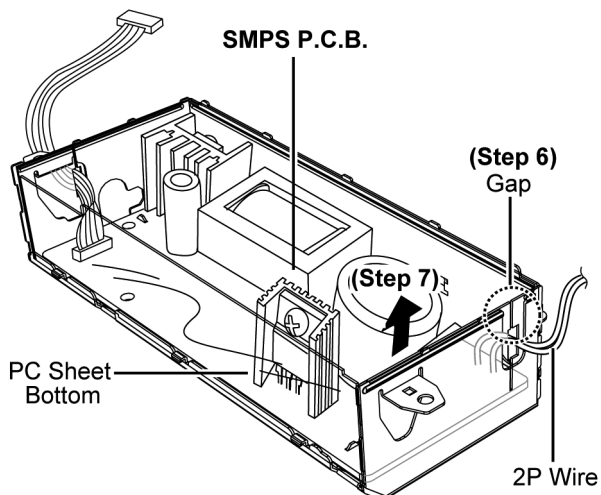


Step 5 : Remove 3 screws.

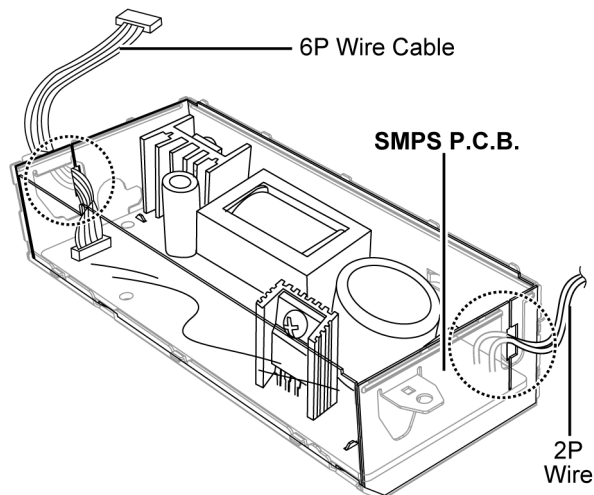


Step 6 : Release 2P wire from the gap of PC Sheet Bottom.

Step 7 : Lift up the SMPS P.C.B as shown.



Caution : During assembling, ensure the 2P Wire and 6P Wire Cable dressing properly.

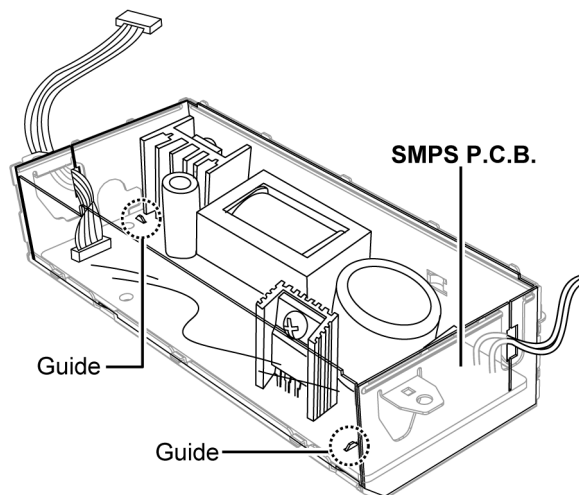
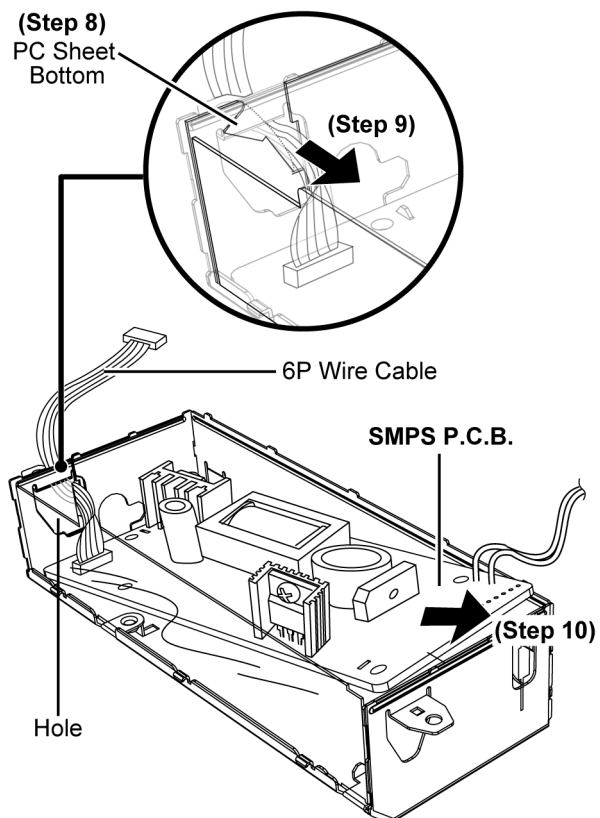


Step 8 : Slightly fold the PC Sheet Bottom as shown.

Step 9 : Release the 6P wire cable as arrow shown.

Step 10 : Remove the SMPS P.C.B. as shown.

Caution : During assembling, ensure SMPS P.C.B. is seated properly onto the guides.

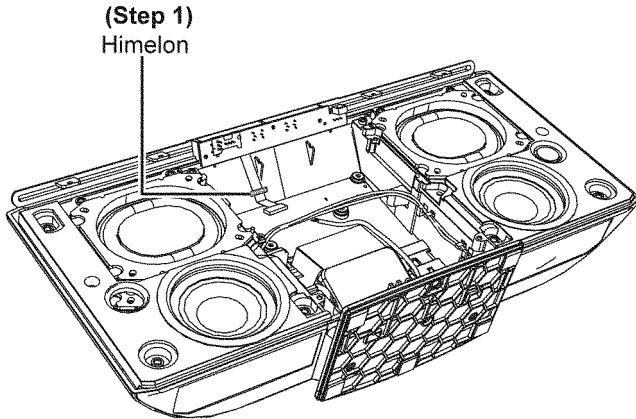


6.17. Disassembly Top Ornament Assembly

- Refer to "Disassembly of Net Frame Assembly"
- Refer to "Disassembly of Front Panel Block"
- Refer to "Disassembly of SMPS Unit"

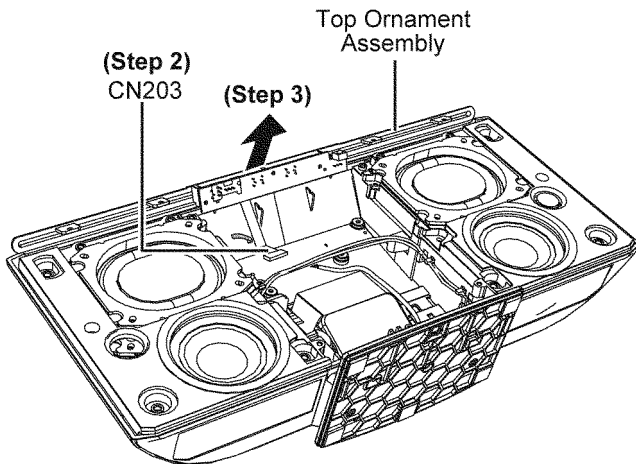
Step 1 : Lift up the Himelon.

Caution : Replace the Himelon if it is are torn during disassembling.



Step 2 : Detach the 6P FFC at the connector (CN230) on the Main P.C.B..

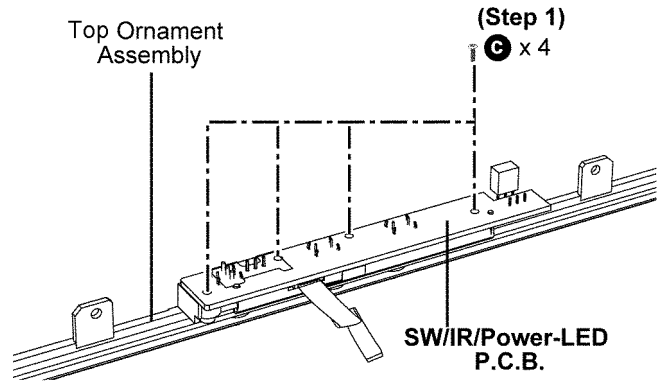
Step 3 : Remove the Top Ornament Assembly as shown.



6.18. Disassembly SW/IR/Power-LED P.C.B. and Power Button

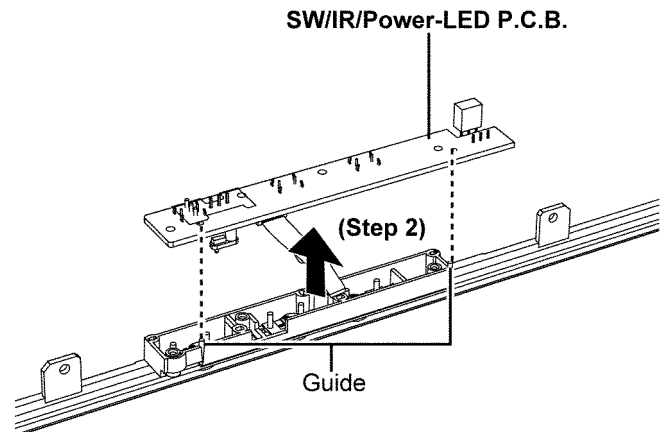
- Refer to "Disassembly of Net Frame Assembly"
- Refer to "Disassembly of Front Panel Block"
- Refer to "Disassembly of SMPS Unit"
- Refer to "Disassembly of Top Ornament Assembly"

Step 1 : Remove 4 screws.



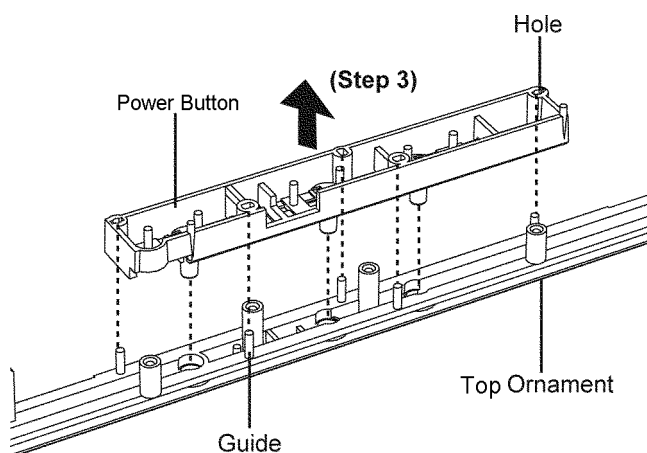
Step 2 : Remove the SW/IR/Power-LED P.C.B. as shown.

Caution : During assembling, ensure the SW/IR/Power-LED P.C.B. is seated properly onto the guide.



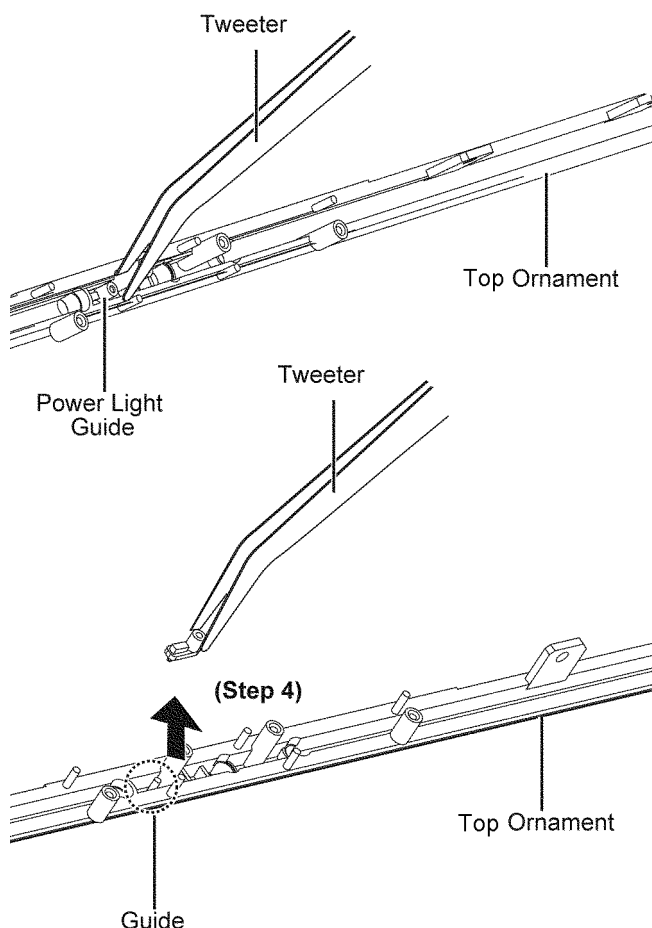
Step 3 : Remove the Power Button as shown.

Caution : During assembling, ensure the holes are aligned to their respective guides on the Top Ornament as shown.



Step 4 : Use a tweeter and remove the Power Light Guide as arrow shown.

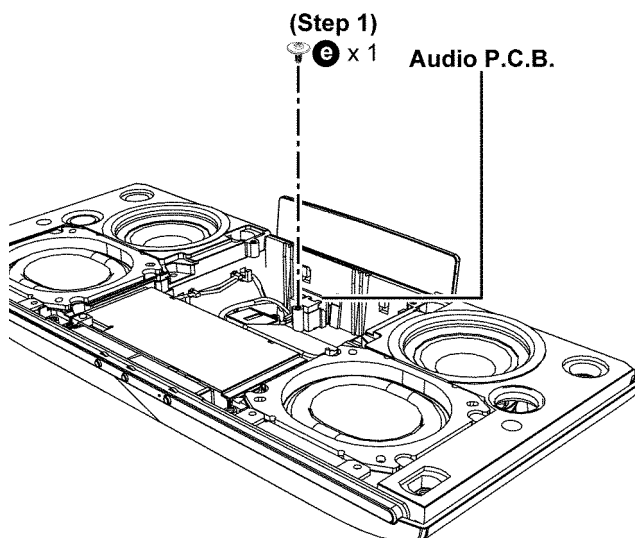
Caution : During assembling, ensure the Power Light Guide is properly seated onto the guide of Top Ornament.



6.19. Disassembly Audio P.C.B.

- Refer to "Disassembly of Net Frame Assembly"
- Refer to "Disassembly of Front Panel Block"

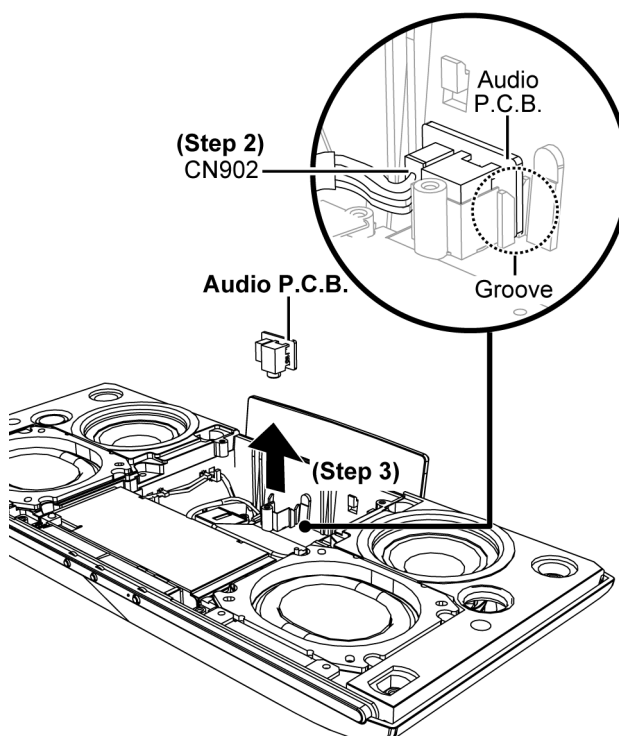
Step 1 : Remove 1 screw.



Step 2 : Detach the 4P wire at the connector (CN902) on the Audio P.C.B..

Step 3 : Remove the Audio P.C.B. as shown.

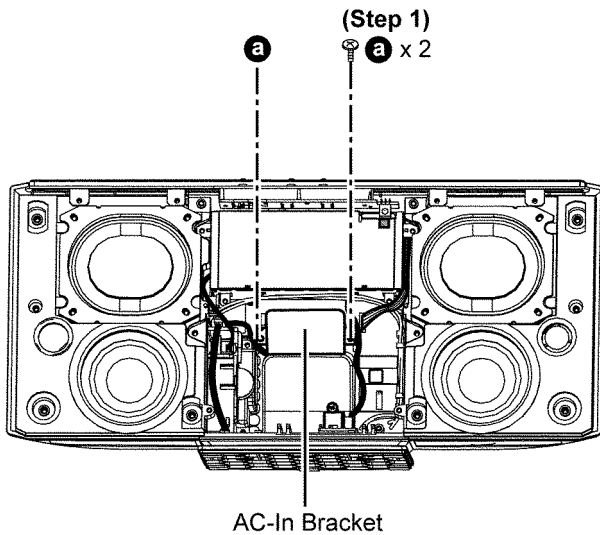
Caution : During assembling, ensure the Audio P.C.B is seated properly onto the groove.



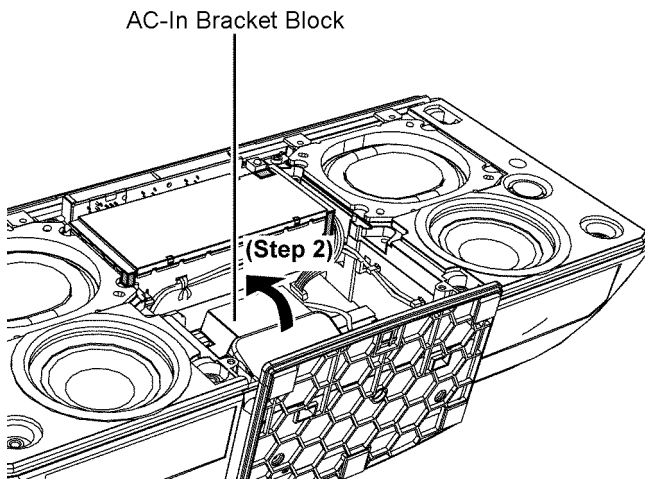
6.20. Disassembly Line Filter P.C.B. and AC-In P.C.B.

- Refer to "Disassembly of Net Frame Assembly"
- Refer to "Disassembly of Front Panel Block"

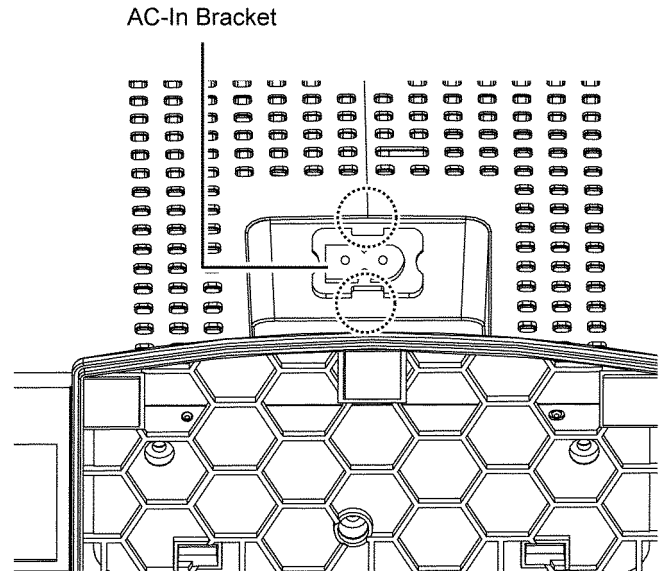
Step 1 : Remove 2 screws.



Step 2 : Slightly pull backward as arrow shown to detach the AC-In Bracket Block.

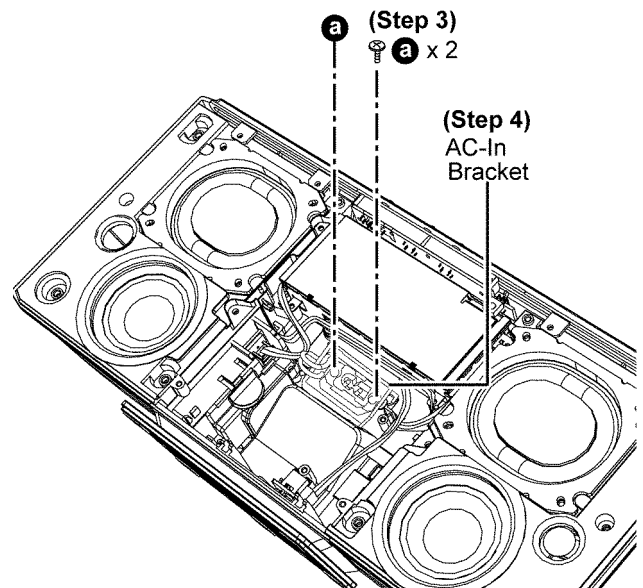


Caution : During assembling, ensure the AC Inlet Jack is seated properly onto the guides.



Step 3 : Remove 2 screws.

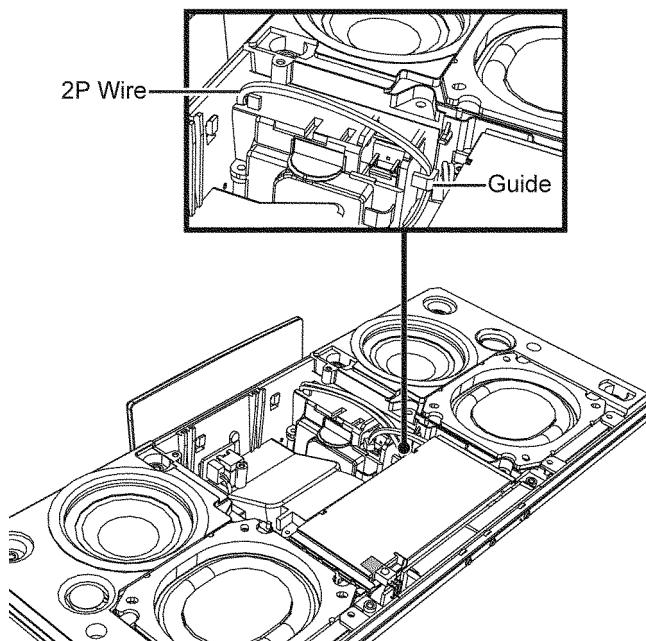
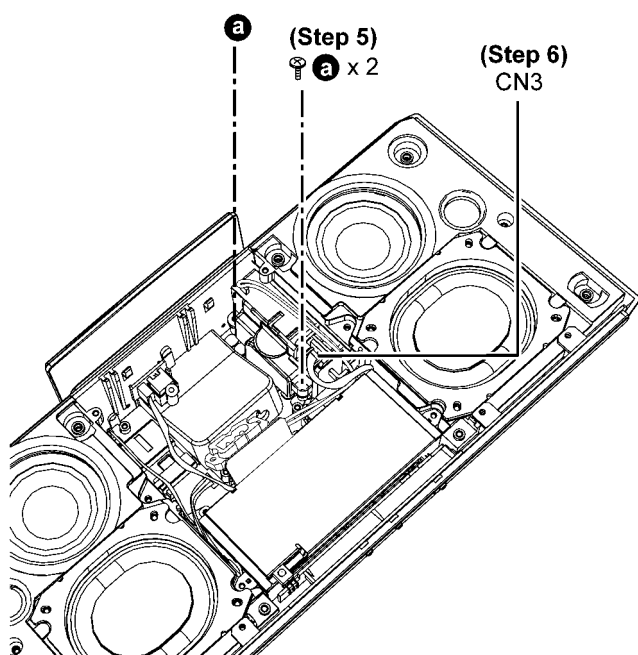
Step 4 : Remove the AC-In Bracket.



Step 5 : Remove 2 screws.

Step 6 : Detach 2P Wire at the connector (CN3) on the Line Filter P.C.B..

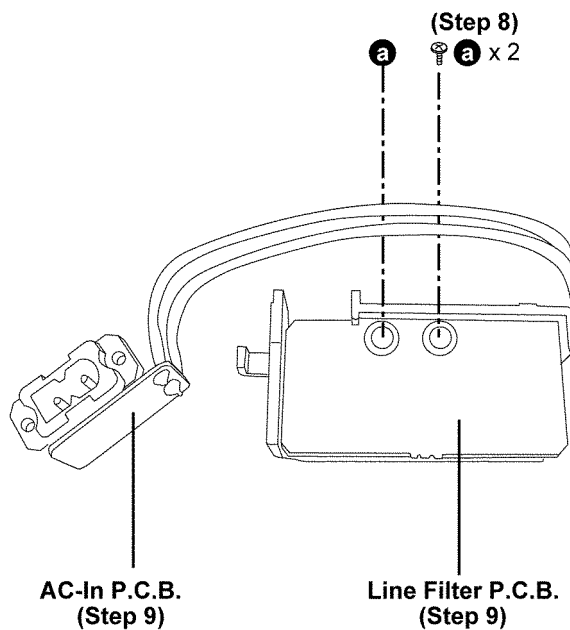
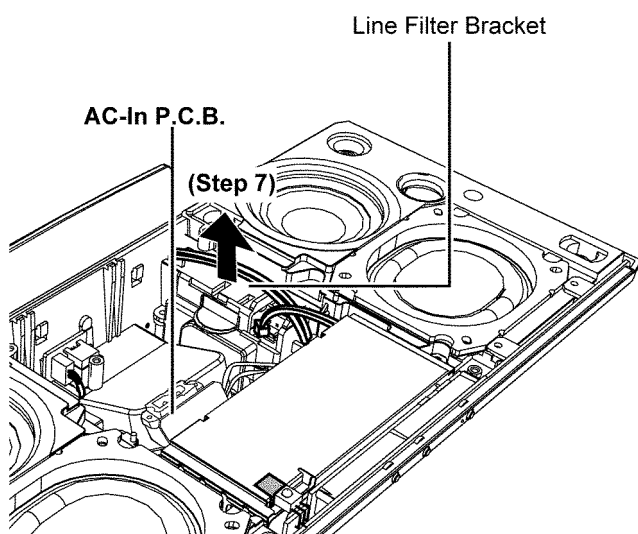
Caution : During assembling, ensure the 2P Wire is dressing properly onto the guide.



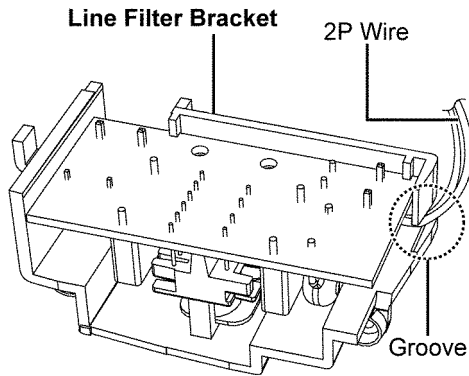
Step 7 : Lift up the Line Filter Bracket together with the AC-In P.C.B..

Step 8 : Remove 2 screws.

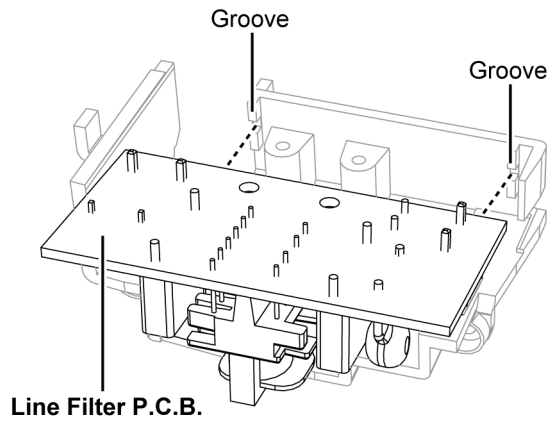
Step 9 : Remove both the Line Filter P.C.B. and AC-In P.C.B. together.



Caution : During assembling, ensure the 2P Wire is dressing properly onto the groove of the Line Filter Bracket.



Caution : During assembling, Line Filter P.C.B. is seated properly onto the grooves of the Line Filter Bracket.



6.21. Disassembly Main P.C.B.

- Refer to "Disassembly of Net Frame Assembly"
- Refer to "Disassembly of Front Panel Block"
- Refer to "Disassembly of SMPS Unit"
- Refer to "Disassembly of Top Ornament Assembly"

Step 1 : Lift up the Himelons.

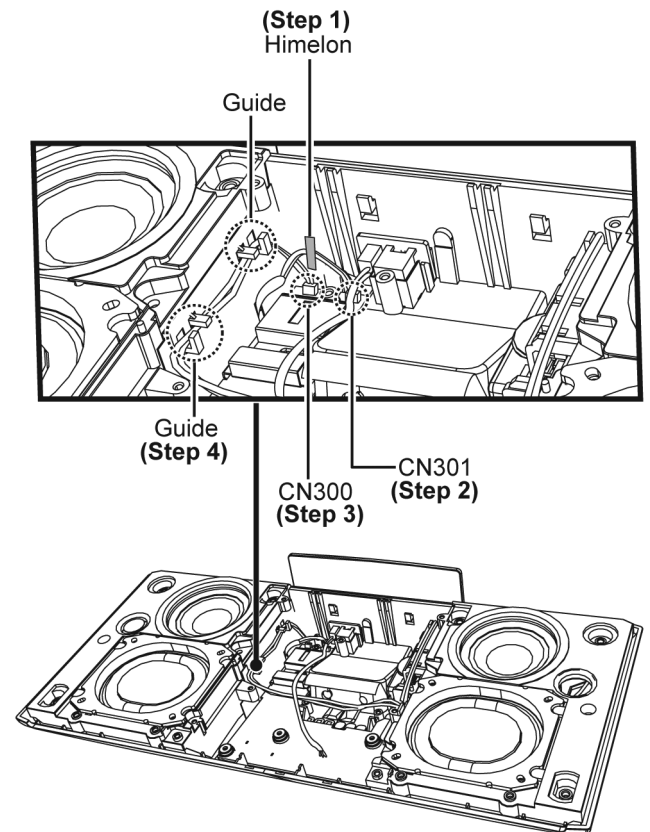
Step 2 : Detach 2P Wire (Speaker Wire R) at the connector (CN301) on the Main P.C.B..

Caution : Replace the Himelons if they are torn during disassembling.

Step 3 : Detach 2P Wire (Speaker Wire L) at the connector (CN300) on the Main P.C.B..

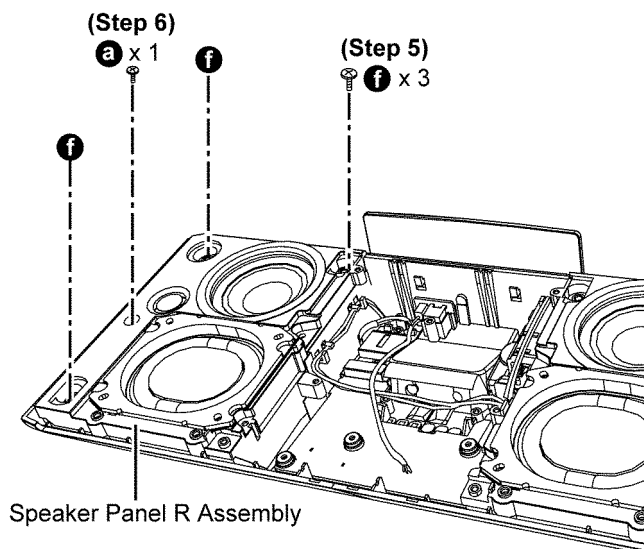
Step 4 : Release the 2P Wire (Black & White) from the guides.

Caution : During assembling, ensure the 2P Wire (Speaker Wire L) is dressing properly onto the guides as shown.

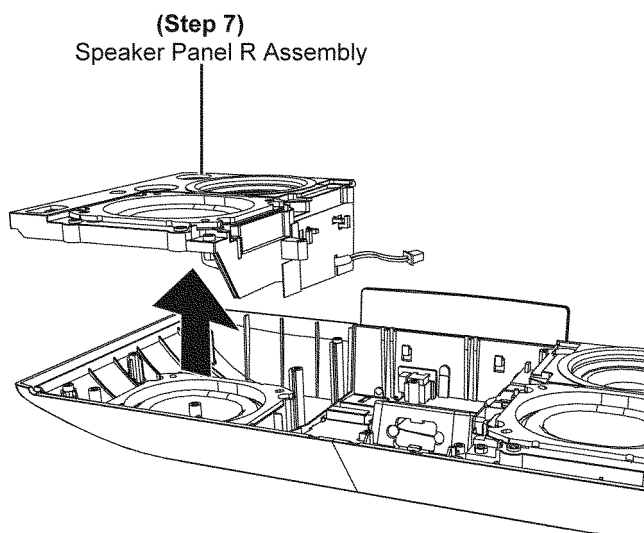


Step 5 : Remove 3 screws.

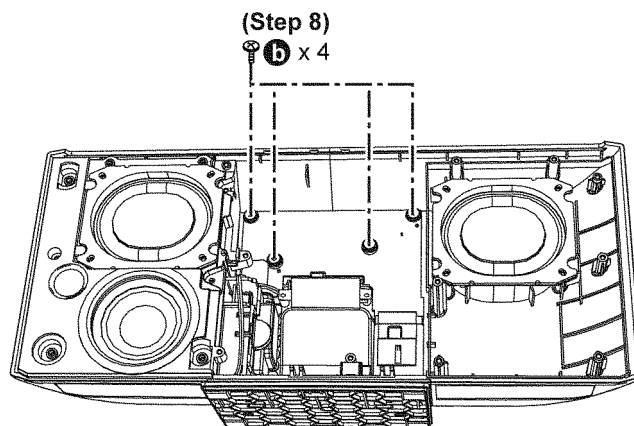
Step 6 : Remove 1 screw.



Step 7 : Lift up and remove the Speaker Panel R Assembly.

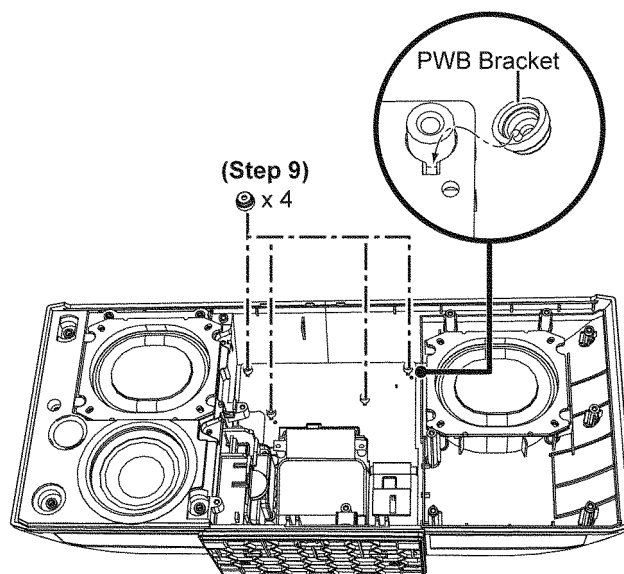


Step 8 : Remove 4 screws.

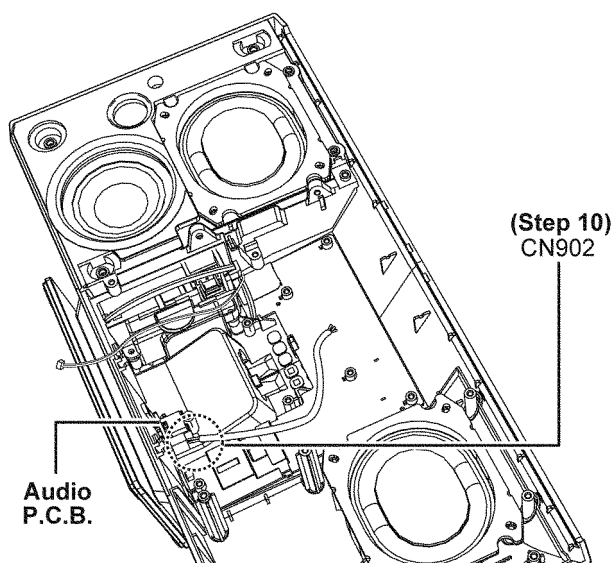


Step 9 : Remove the PWB Brackets.

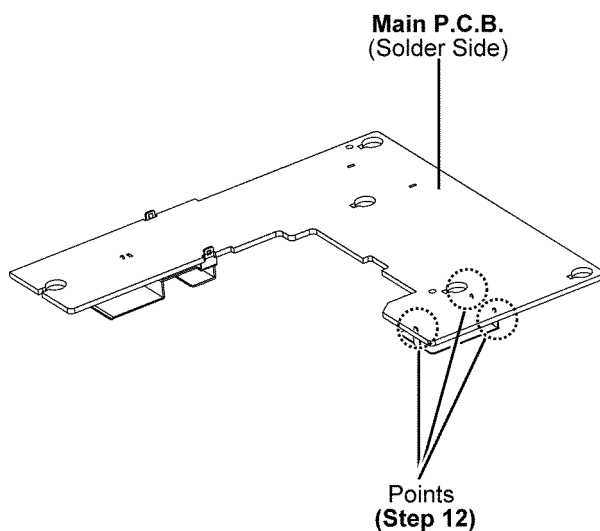
Caution : During assembling, ensure the PWB Brackets is seated properly onto the hole.



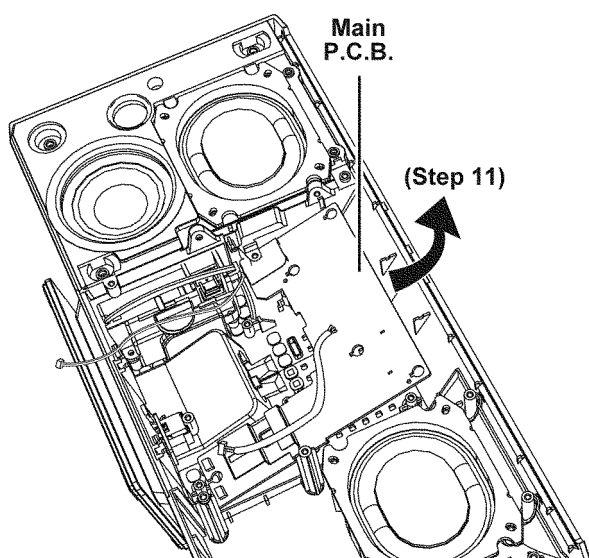
Step 10 : Detach 4P Wire at the connector (CN902) on the Audio P.C.B..



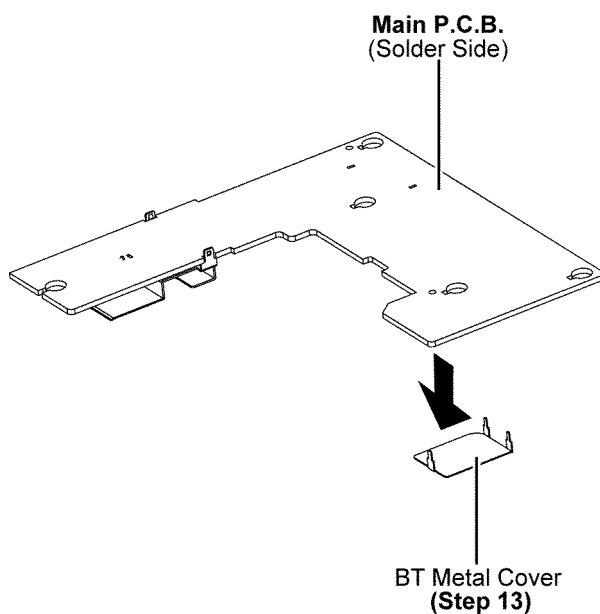
Step 12 : Desolder the 3 points.



Step 11 : Lift up and remove the Main P.C.B. as shown.



Step 13 : Remove the Main P.C.B..

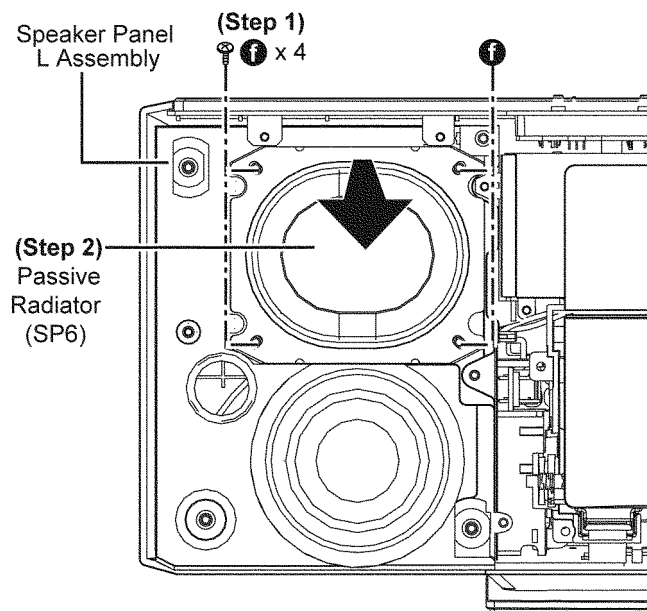


6.22. Disassembly Passive Radiator (SP6)

- Refer to “Disassembly of Net Frame Assembly”

Step 1 : Remove 4 screws.

Step 2 : Remove Passive Radiator (SP6).

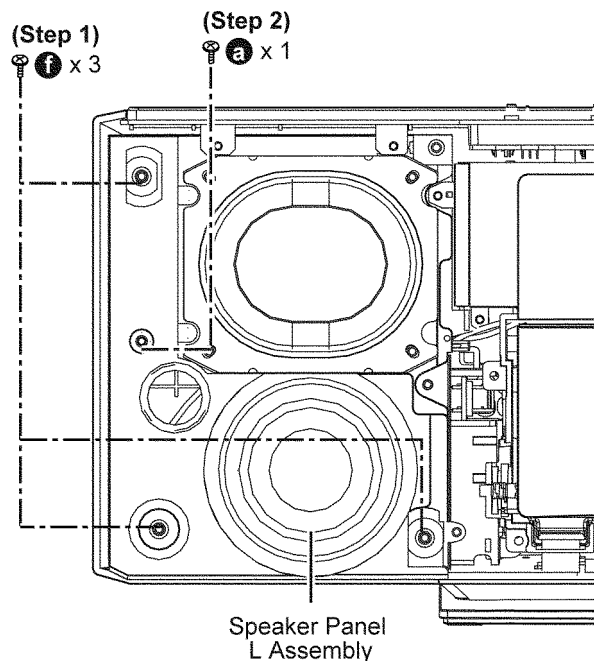


6.23. Disassembly Front Speaker (SP2)

- Refer to “Disassembly of Net Frame Assembly”
- Refer to “Disassembly of Front Panel Block”
- Refer to “Disassembly of SMPS Unit”
- Refer to “Disassembly of Top Ornament Assembly”

Step 1 : Remove 3 screws.

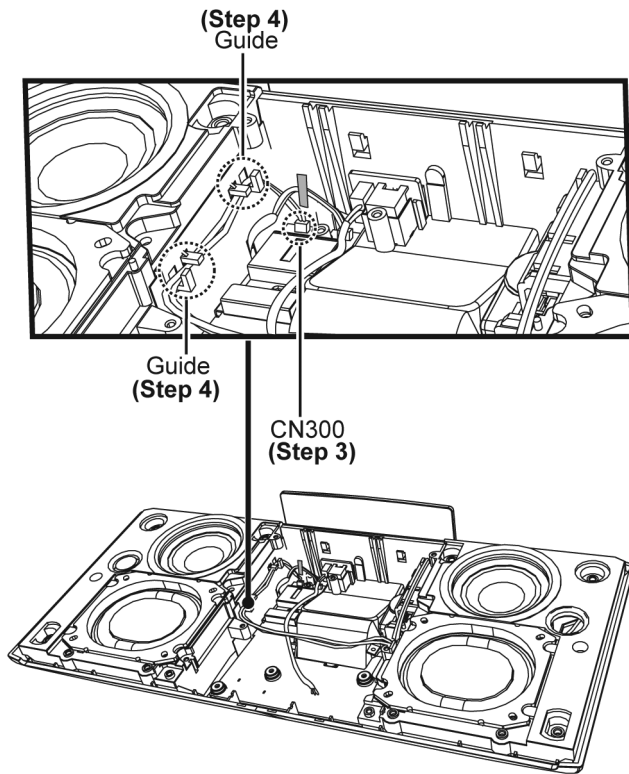
Step 2 : Remove 1 screw.



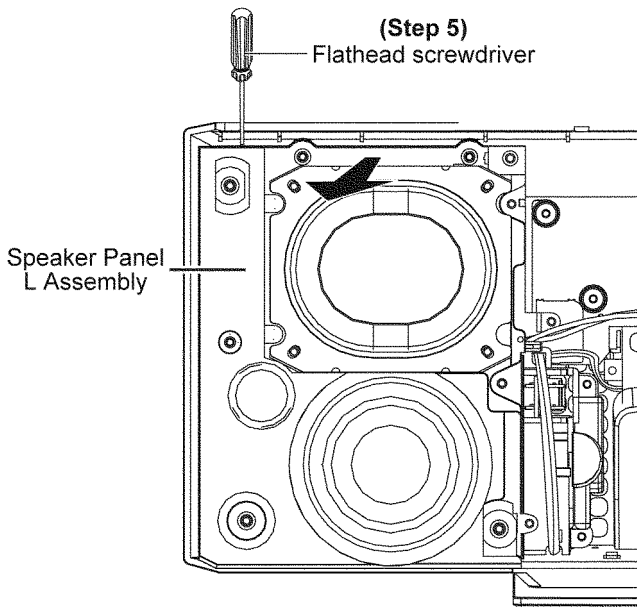
Step 3 : Detach 2P Wire (Speaker Wire L) at the connector (CN300) on the Main P.C.B..

Step 4 : Release 2P Wire (Speaker Wire L) from the guides.

Caution : During assembling, ensure the 2P Wire (Speaker Wire L) is dressing properly onto the guides as shown.



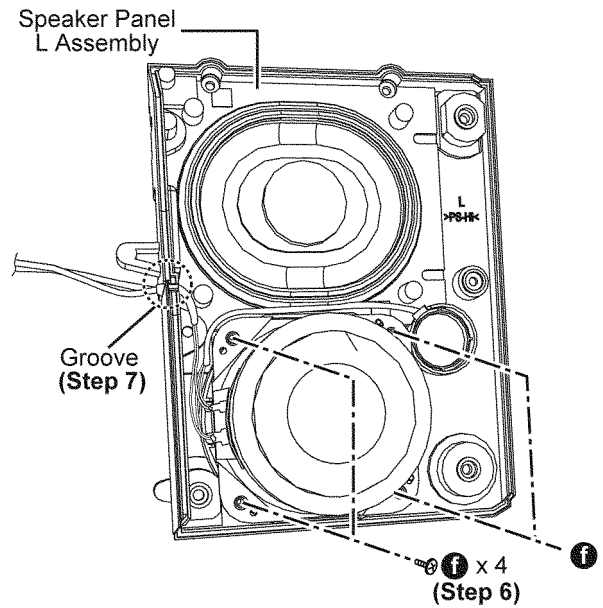
Step 5 : Using a Flathead screwdriver to lift up the Speaker Panel L Assembly.



Step 6 : Remove 4 screws.

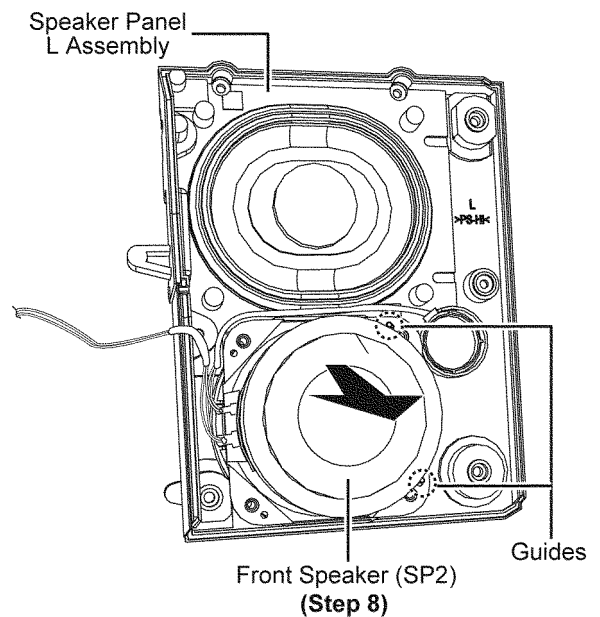
Step 7 : Detach 2P Wire (Speaker Wire L) from the groove.

Caution : During assembling, ensure the 2P Wire (Speaker Wire L) is dressing properly onto the groove as shown.



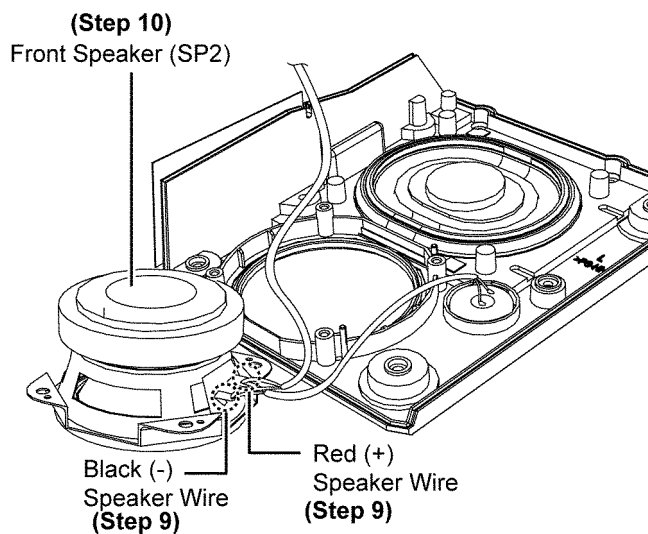
Step 8 : Release Front Speaker (SP2) from the Speaker Panel L Assembly.

Caution : During assembling, ensure the Front Speaker (SP2) is seated properly onto the guides as shown.



Step 9 : Desolder the red (+) speaker wire and black (-) speaker wire.

Step 10 : Remove Front Speaker (SP2).

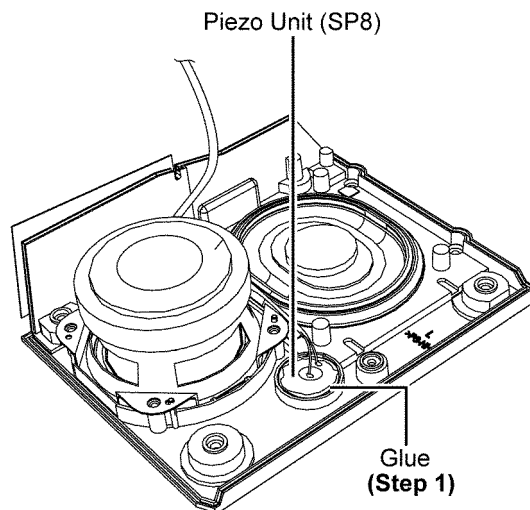


6.24. Disassembly Piezo Unit (SP8)

- Refer to "Disassembly of Net Frame Assembly"
- Refer to "Disassembly of Front Panel Block"
- Refer to "Disassembly of SMPS Unit"
- Refer to "Disassembly of Top Ornament Assembly"
- Refer to "(Step 1) - (Step 5) of item 6.23"

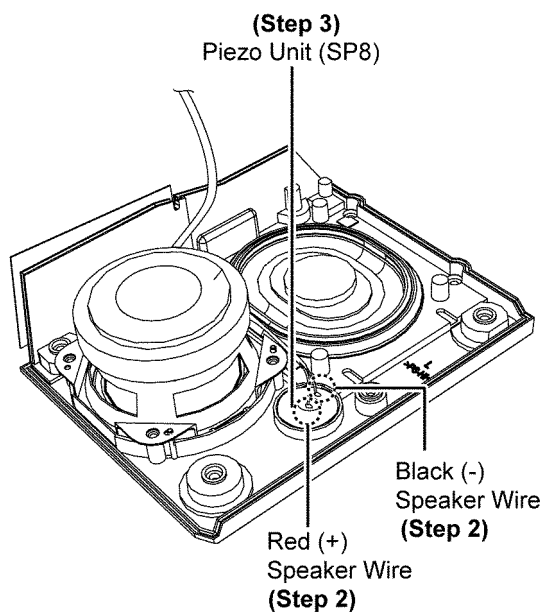
Step 1 : Remove Glue.

Caution : After replacement of new Piezo Unit, please ensure to apply glue and check for air leakage.



Step 2 : Desolder the red (+) speaker wire and black (-) speaker wire.

Step 3 : Remove the Piezo Unit (SP8).

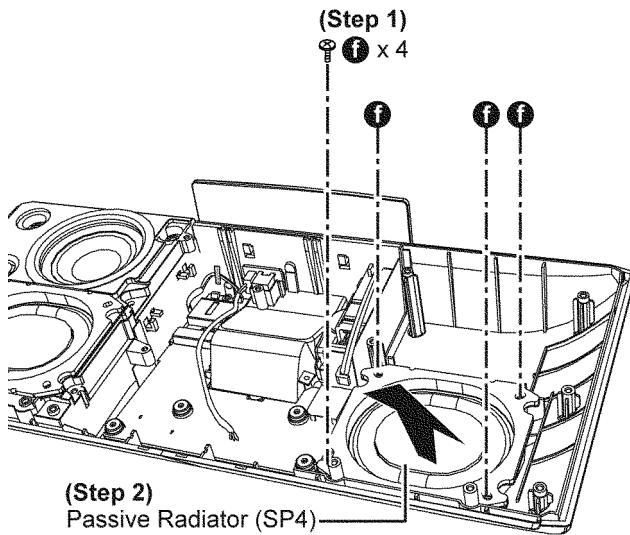


6.25. Disassembly Passive Radiator (SP4)

- Refer to "Disassembly of Net Frame Assembly"
- Refer to "Disassembly of Front Panel Block"
- Refer to "Disassembly of SMPS Unit"
- Refer to "Disassembly of Top Ornament Assembly"
- Refer to "(Step 1) - (Step 5) of item 6.23"

Step 1 : Remove 4 screws.

Step 2 : Remove Passive Radiator (SP4).

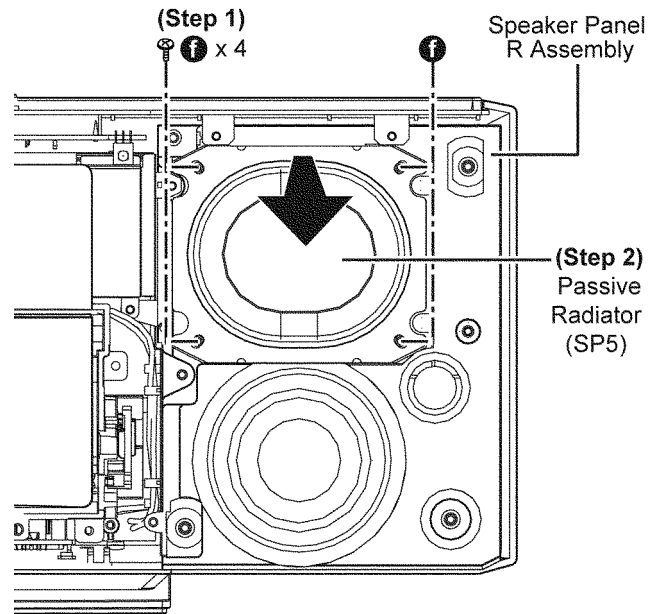


6.26. Disassembly Passive Radiator (SP5)

- Refer to "Disassembly of Net Frame Assembly"

Step 1 : Remove 4 screws.

Step 2 : Remove Passive Radiator (SP5).

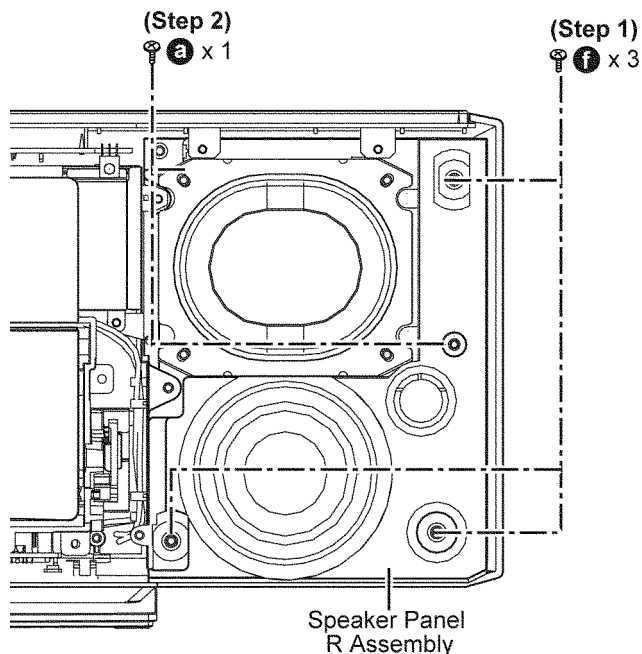


6.27. Disassembly Front Speaker (SP1)

- Refer to “Disassembly of Net Frame Assembly”
- Refer to “Disassembly of Front Panel Block”
- Refer to “Disassembly of SMPS Unit”
- Refer to “Disassembly of Top Ornament Assembly”

Step 1 : Remove 3 screws.

Step 2 : Remove 1 screw.



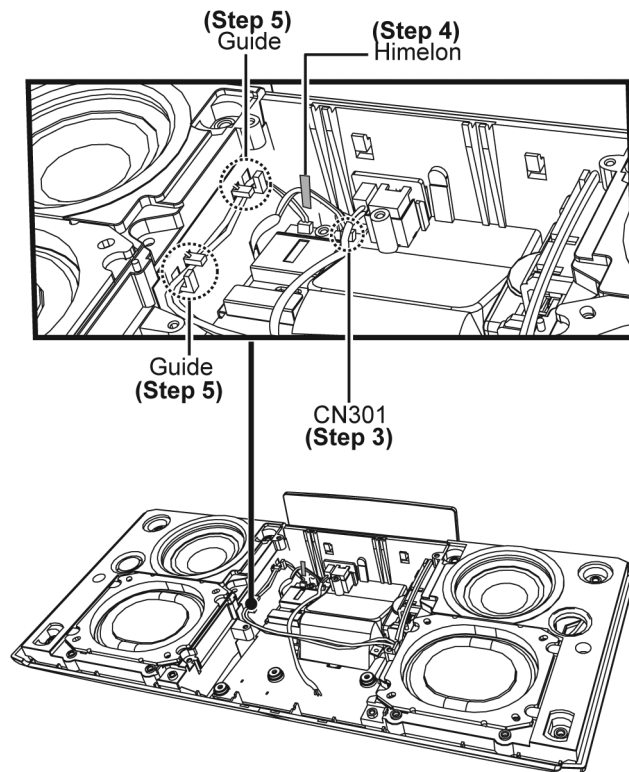
Step 3 : Detach 2P Wire (Speaker Wire R) at the connector (CN301) on the Main P.C.B..

Step 4 : Lift up the Himelons.

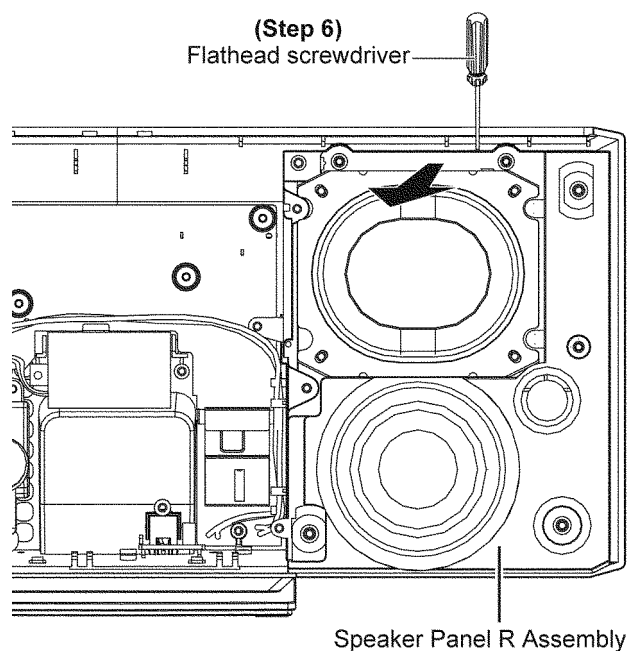
Caution : Replace the Himelons if they are torn during disassembling.

Step 5 : Release 2P Wire (Speaker Wire L) from the guides.

Caution : During assembling, ensure the 2P Wire (Speaker Wire L) is dressing properly onto the guides as shown.



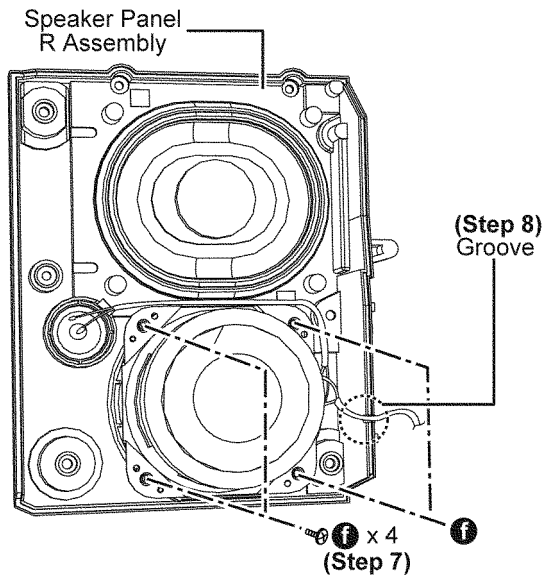
Step 6 : Using a Flathead screwdriver to lift up the Speaker Panel R Assembly.



Step 7 : Remove 4 screws.

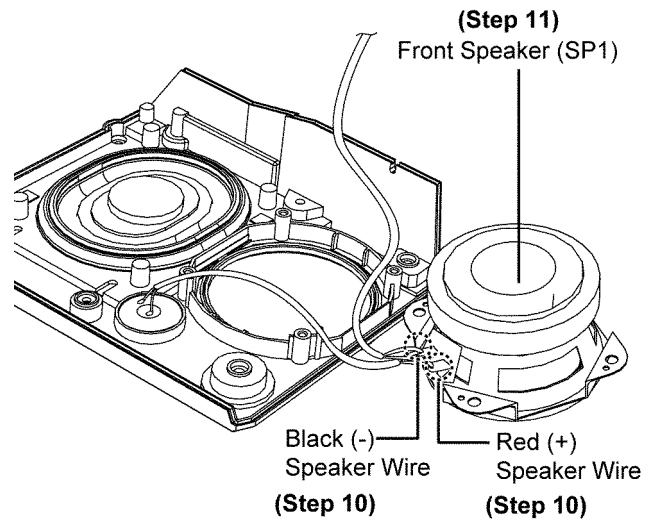
Step 8 : Detach 2P Wire (Speaker Wire R) from the groove.

Caution : During assembling, ensure the 2P Wire (Speaker Wire R) is dressing properly onto the groove as shown.



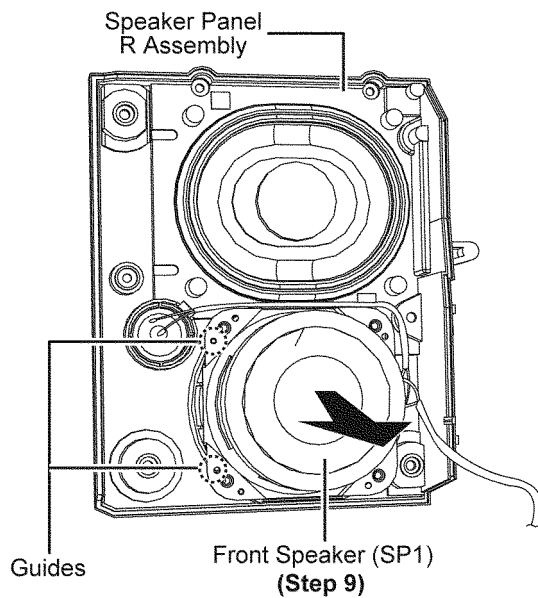
Step 10 : Desolder the red (+) speaker wire and black (-) speaker wire.

Step 11 : Remove Front Speaker (SP1).



Step 9 : Release Front Speaker (SP1) from the Speaker Panel R Assembly

Caution : During assembling, ensure the Front Speaker (SP1) is seated properly onto the guides as shown

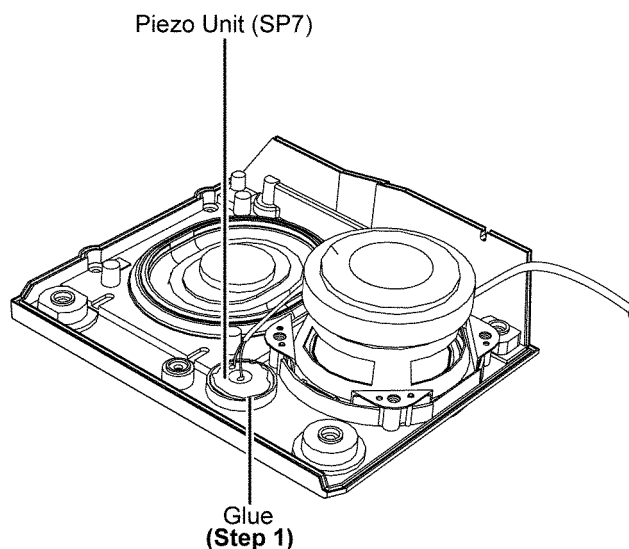


6.28. Disassembly Piezo Unit (SP7)

- Refer to “Disassembly of Net Frame Assembly”
- Refer to “Disassembly of Front Panel Block”
- Refer to “Disassembly of SMPS Unit”
- Refer to “Disassembly of Top Ornament Assembly”
- Refer to “(Step 1) - (Step 6) of item 6.27”

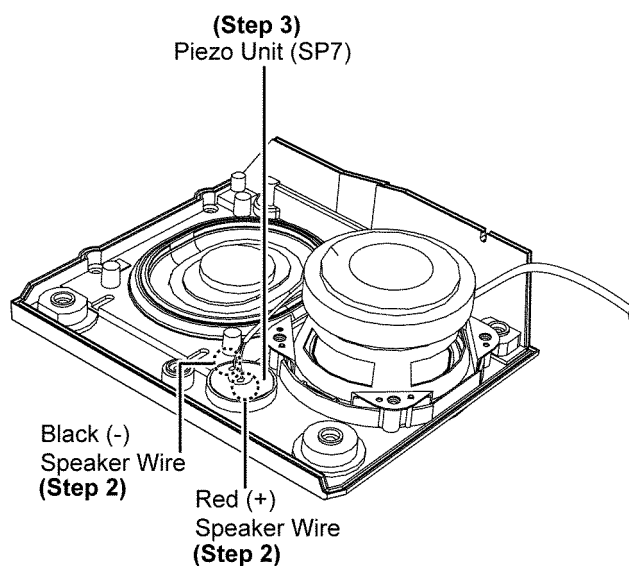
Step 1 : Remove Glue.

Caution : After replacement of new Piezo Unit, please ensure to apply glue and check for air leakage.



Step 2 : Desolder the red (+) speaker wire and black (-) speaker wire.

Step 3 : Remove the Piezo Unit (SP7).

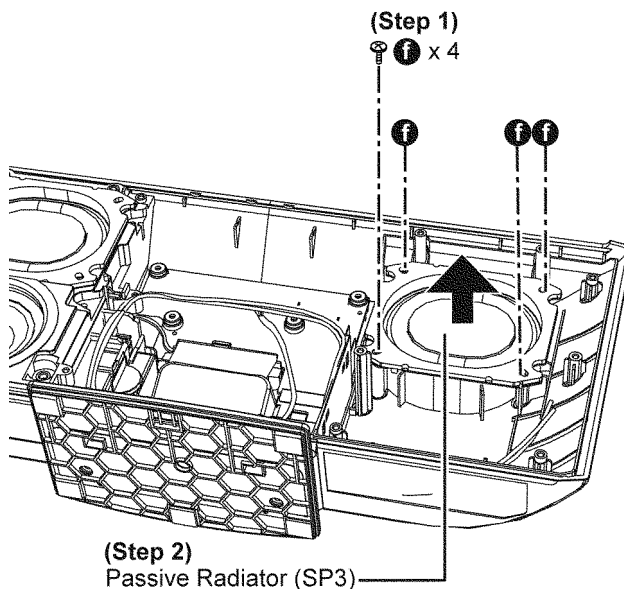


6.29. Disassembly Passive Radiator (SP3)

- Refer to “Disassembly of Net Frame Assembly”
- Refer to “Disassembly of Front Panel Block”
- Refer to “Disassembly of SMPS Unit”
- Refer to “Disassembly of Top Ornament Assembly”
- Refer to “(Step 1) - (Step 6) of item 6.27”

Step 1 : Remove 4 screws.

Step 2 : Remove Passive Radiator (SP3).



7 Service Position

Note: For description of the disassembly procedures, see the Section 6

7.1. Checking & Repairing of Main P.C.B. (Side A)

Step 1 : Remove of Net Frame Assembly.

Step 2 : Remove of Front Panel Block.

Step 3 : Remove of iPod Block.

Step 4 : Remove of SMPS Unit.

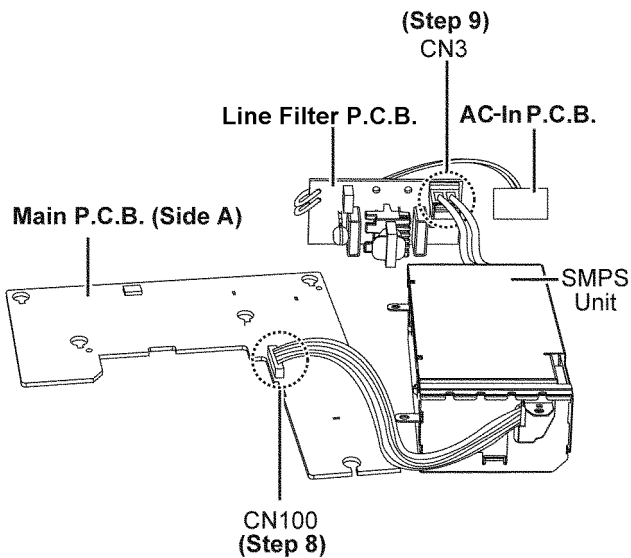
Step 5 : Remove of Top Ornament Unit.

Step 6 : Remove of Line Filter P.C.B. and AC-In P.C.B..

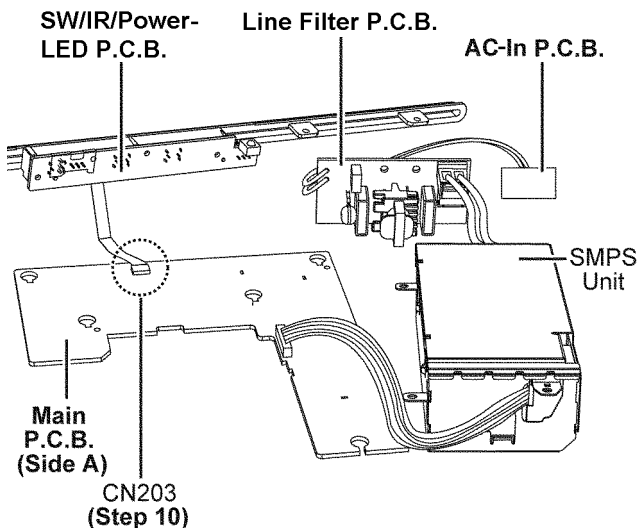
Step 7 : Remove of Main P.C.B.

Step 8 : Connect then 6P wire cable at the connector (CN100) on Main P.C.B..

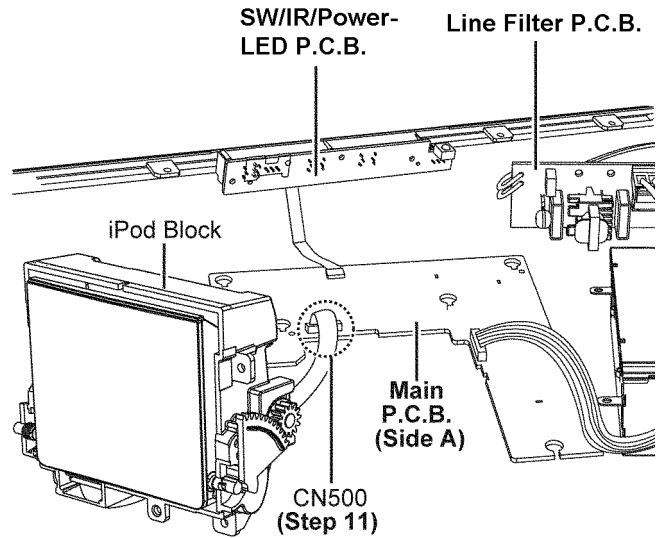
Step 9 : Connect then 2P wire at the connector (CN3) on Line Filter P.C.B..



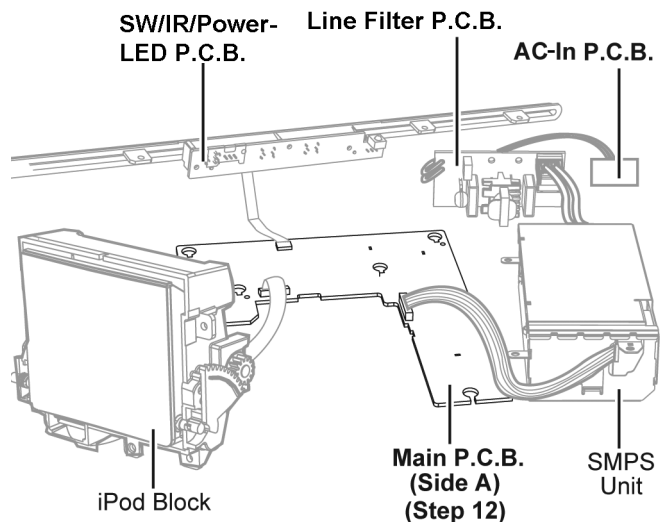
Step 10 : Connect then 6P FFC at the connector (CN203) on Main P.C.B..



Step 11 : Connect then 12P FFC at the connector (CN500) on Main P.C.B..



Step 12 : Check and repair Main P.C.B. (Side A) according to the diagram shown.

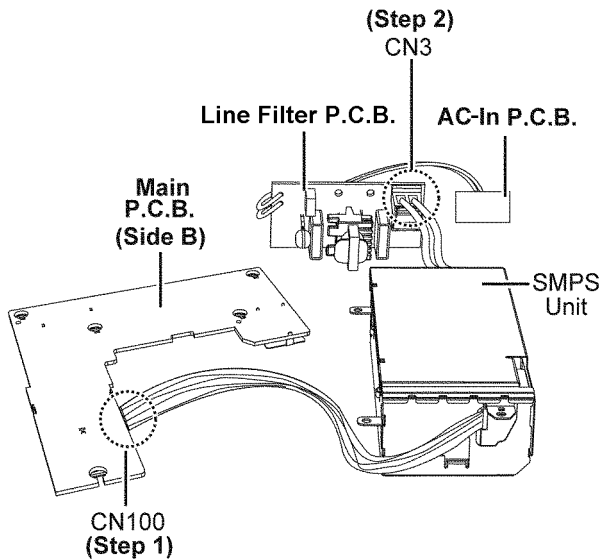


7.2. Checking & Repairing of Main P.C.B. (Side B)

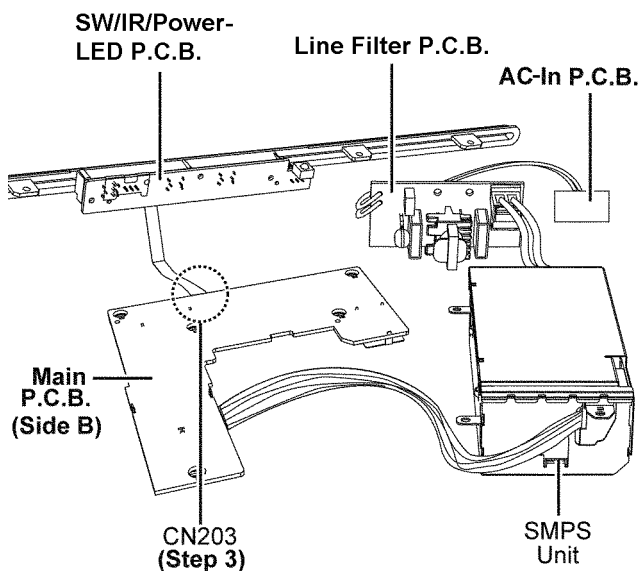
- Refer to (Step 1) to (Step 7) of item 7.1

Step 1 : Connect then 6P wire cable at the connector (CN100) on Main P.C.B..

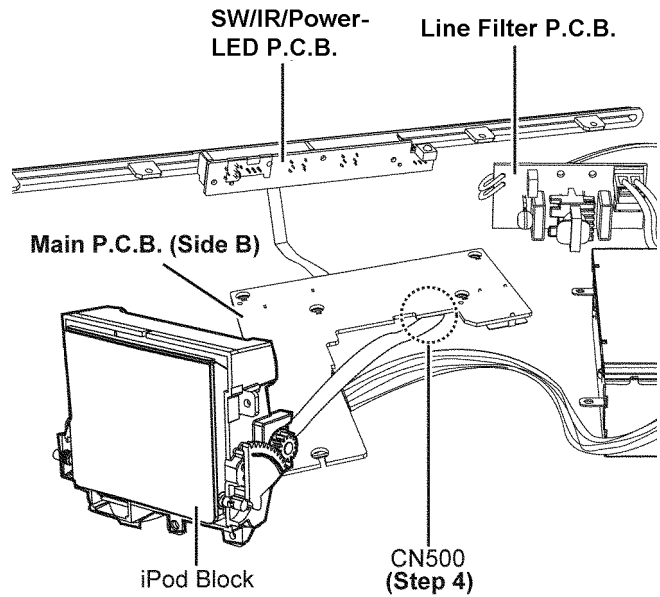
Step 2 : Connect then 2P wire at the connector (CN3) on Line Filter P.C.B..



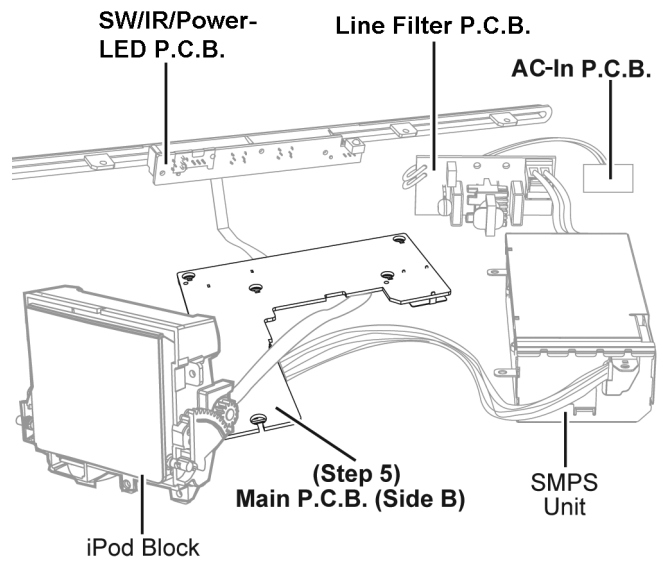
Step 3 : Connect then 6P FFC at the connector (CN203) on Main P.C.B..



Step 4 : Connect then 12P FFC at the connector (CN500) on Main P.C.B..

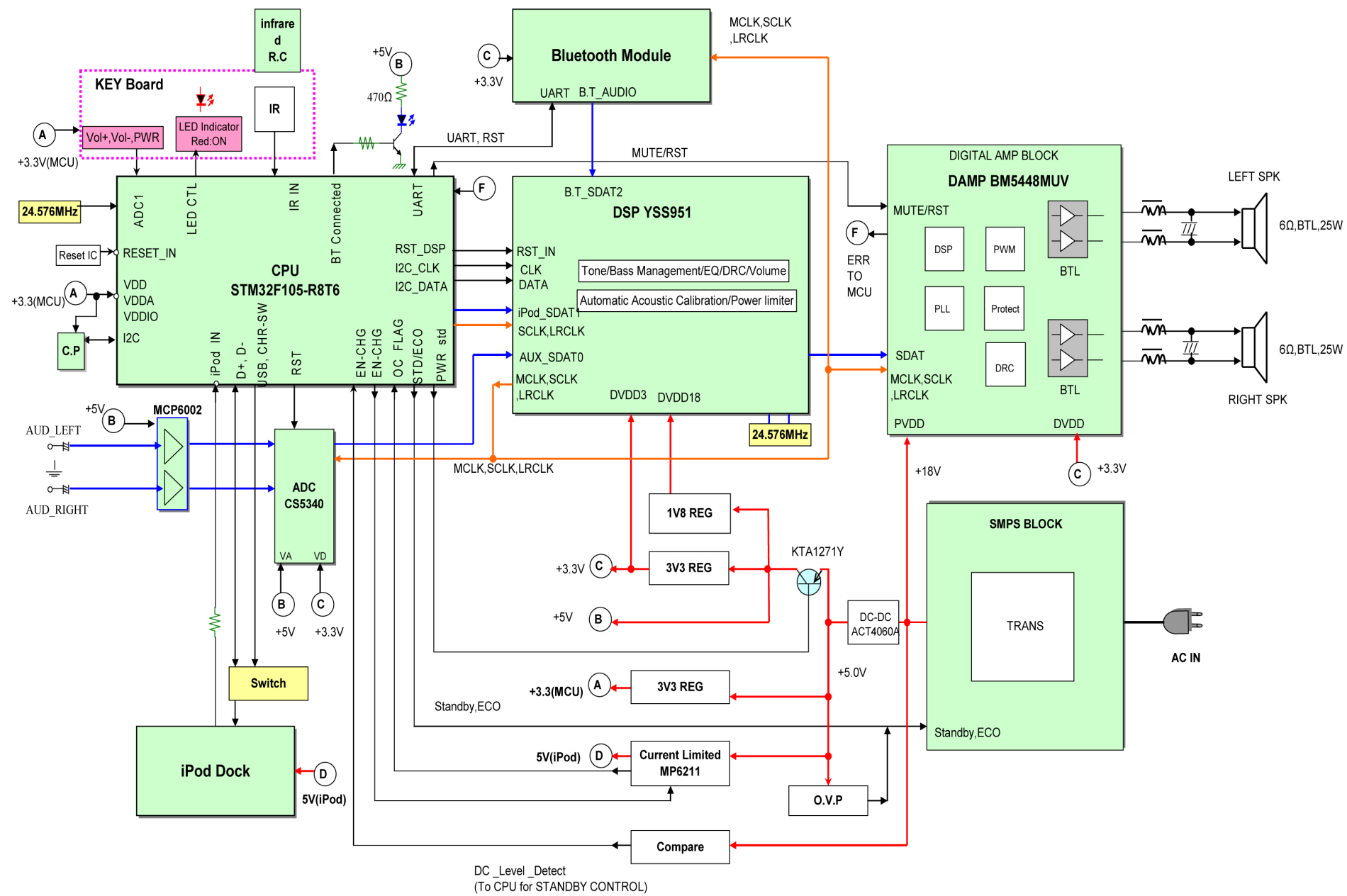


Step 5 : Check and repair Main P.C.B. (Side B) according to the diagram shown.

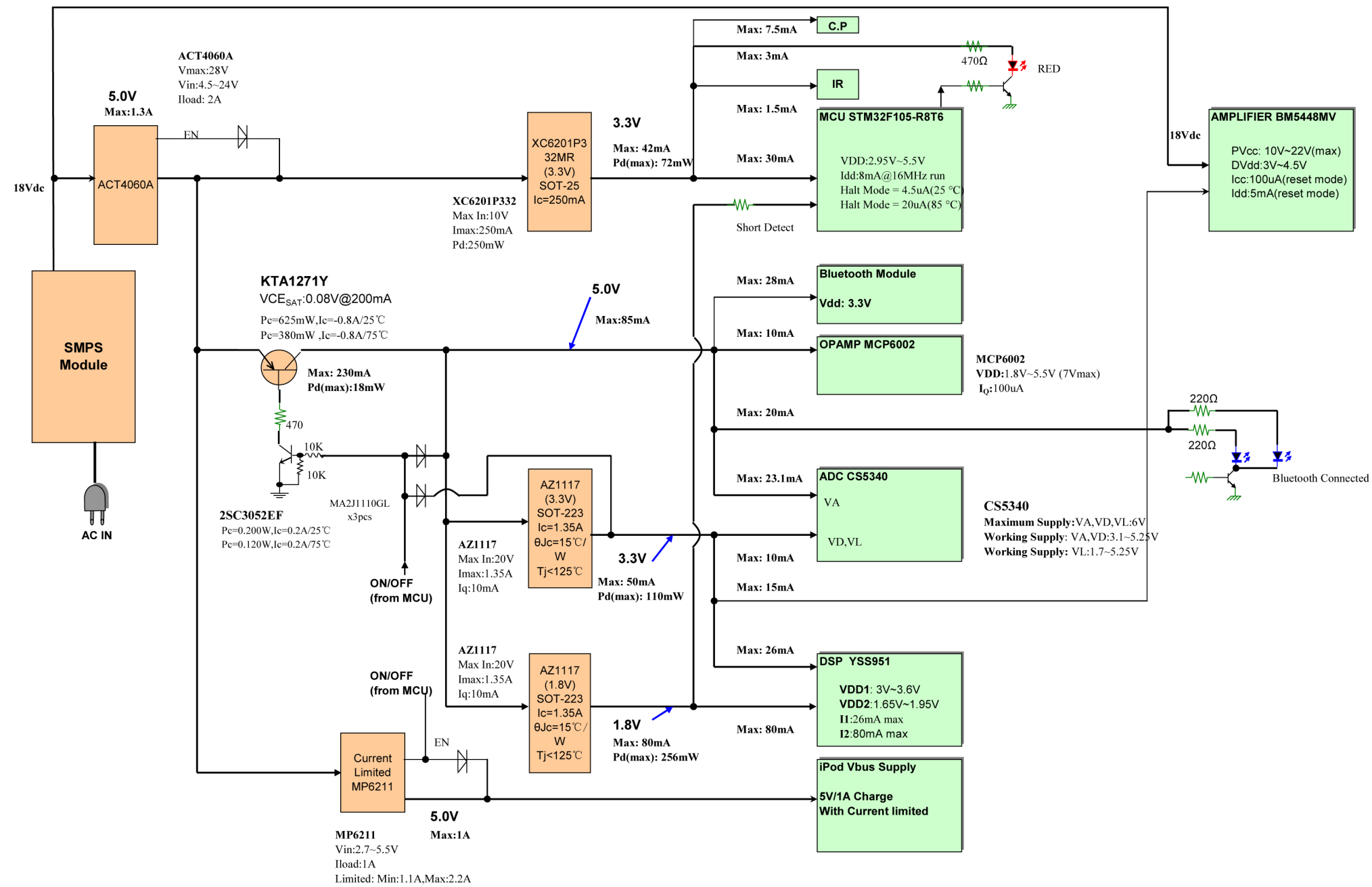


8 Block Diagram

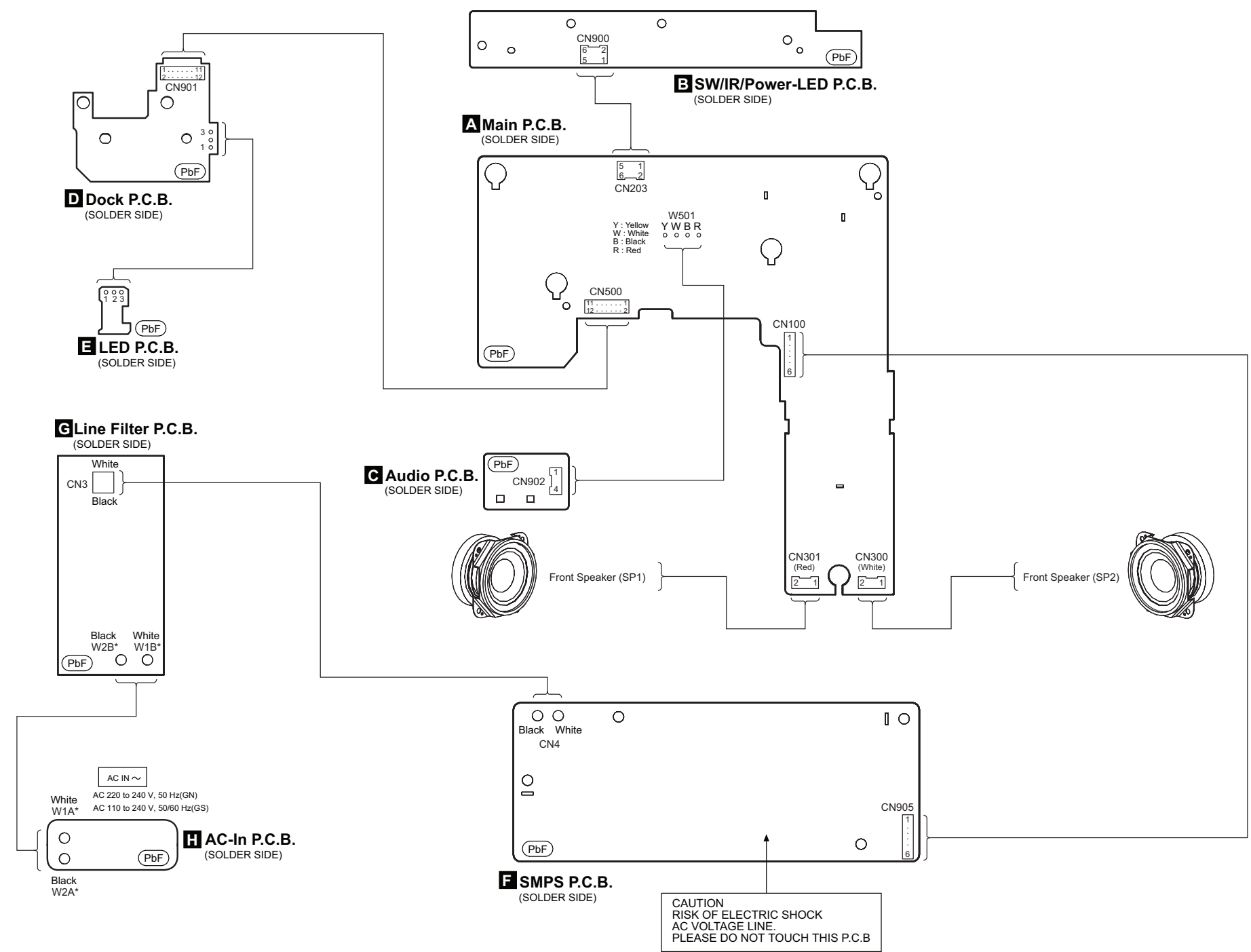
8.1. Control & Signal Diagram



8.2. Voltage / Current / Ground Diagram



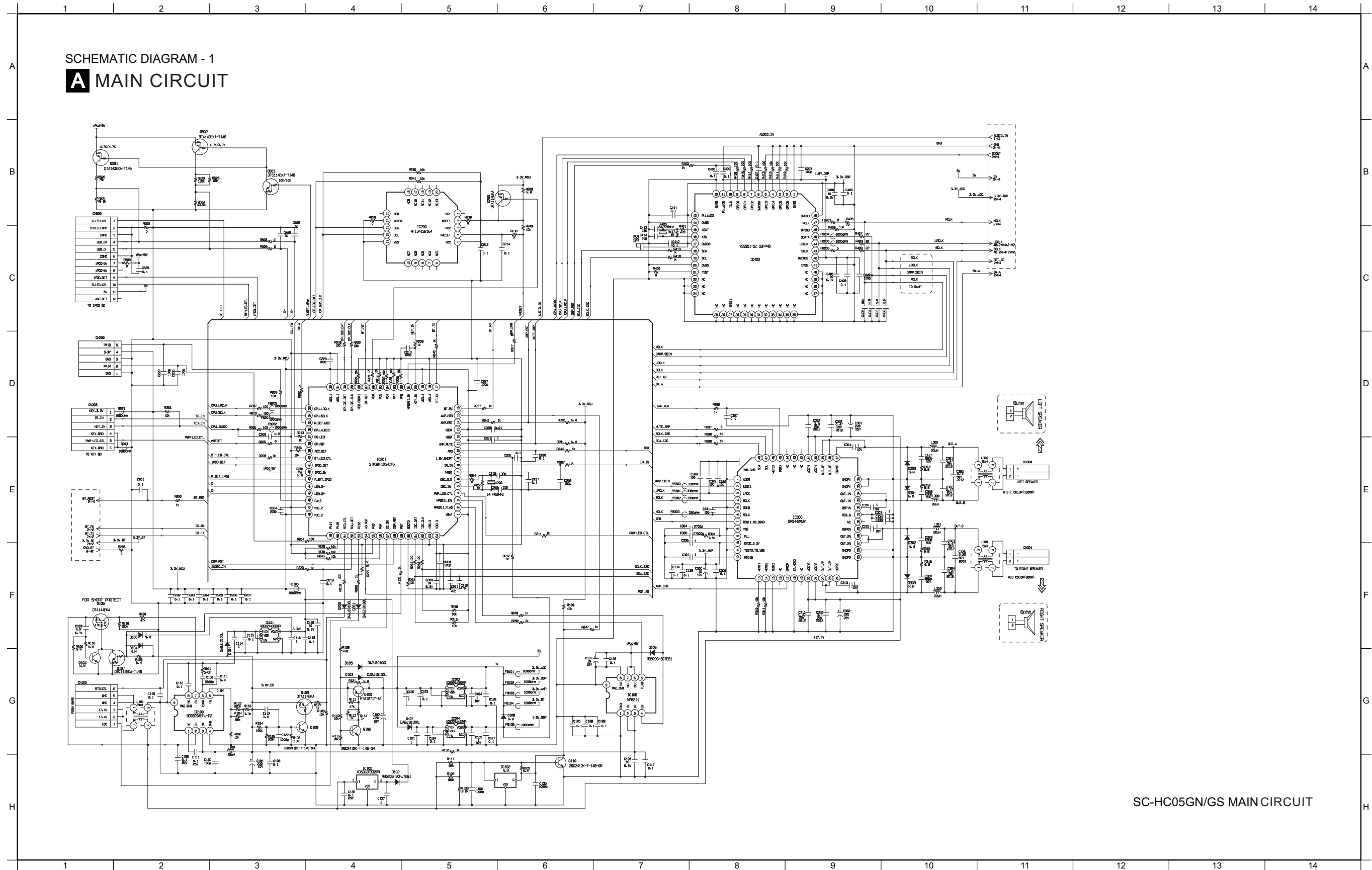
9 Wiring Connection Diagram



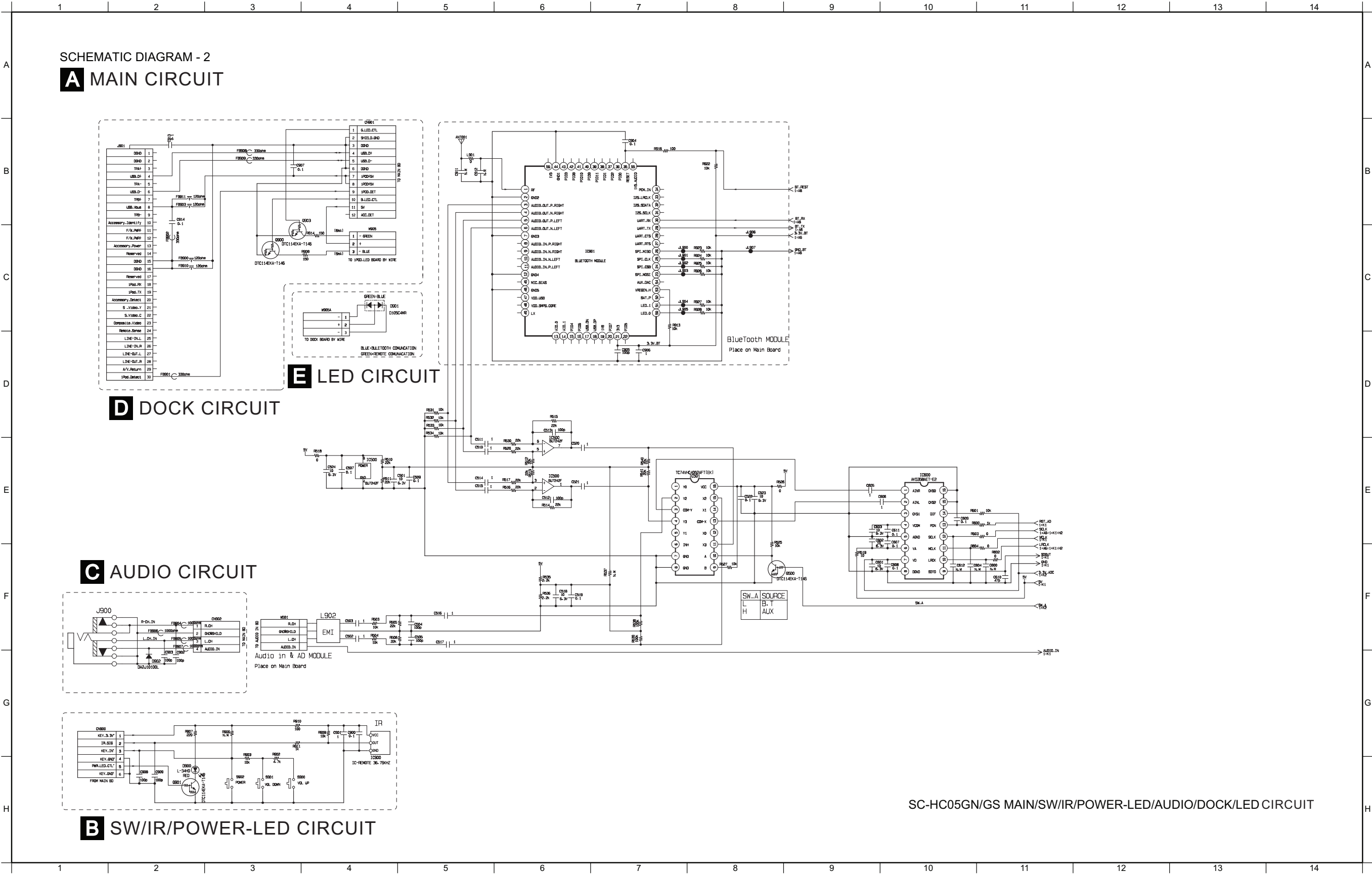
NOTE: " * " REF IS FOR INDICATION ONLY.

(SC-HC05GN/GS) WIRING CONNECTION DIAGRAM

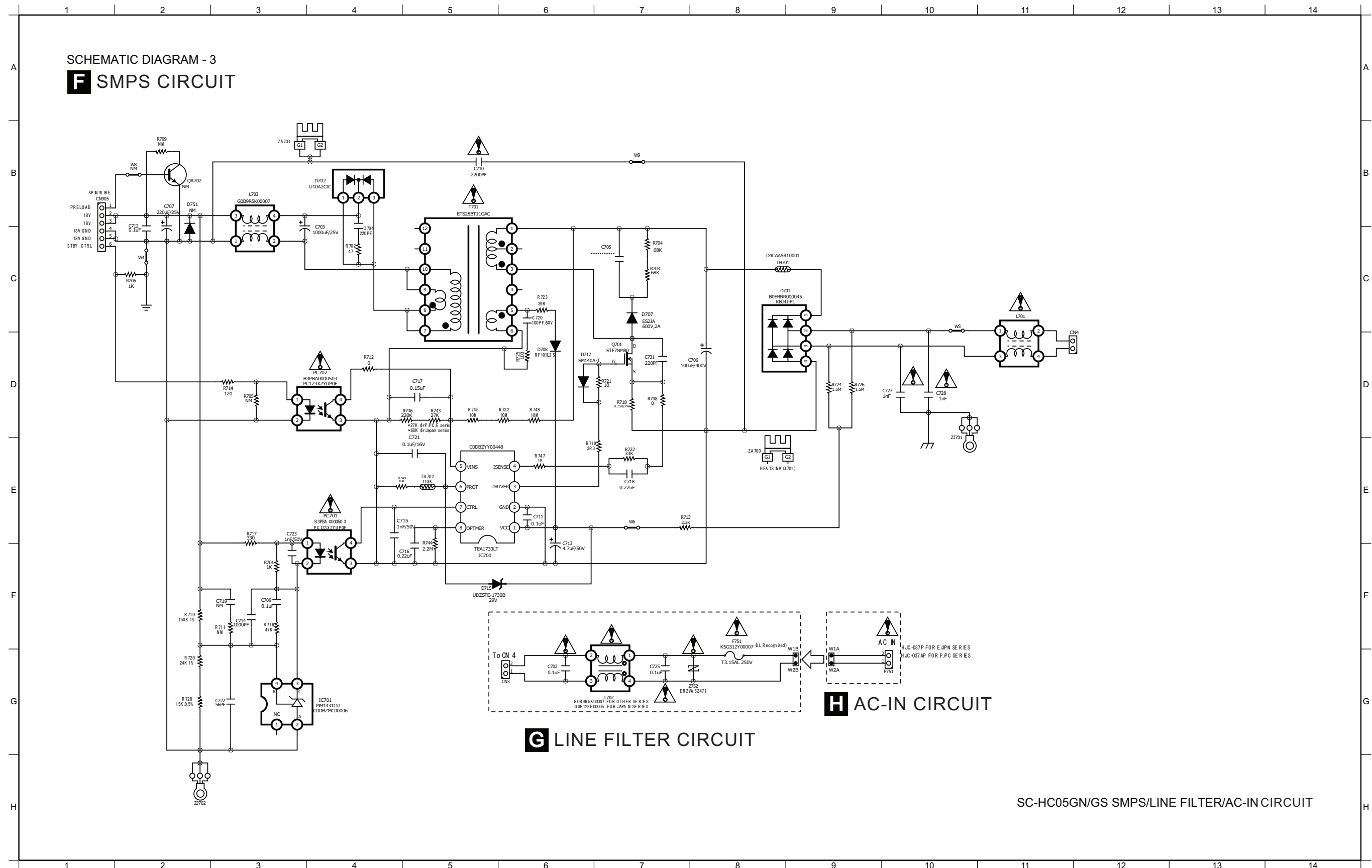
10.1. MAIN CIRCUIT (1/2)



10.2. MAIN (2/2), SW/IR/POWER-LED, AUDIO, DOCK & LED CIRCUIT



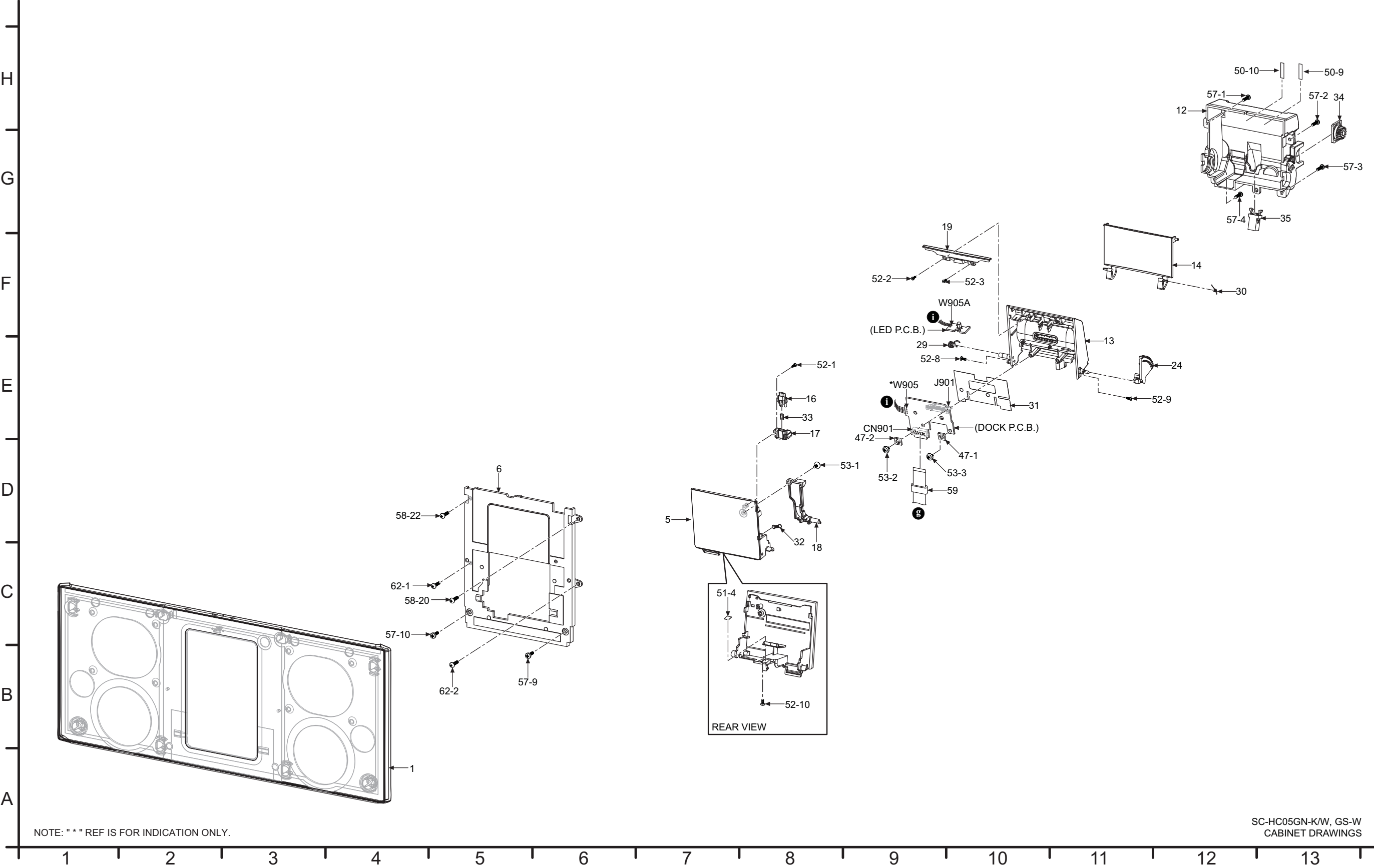
10.3. SMPS, LINE FILTER & AC-IN CIRCUIT

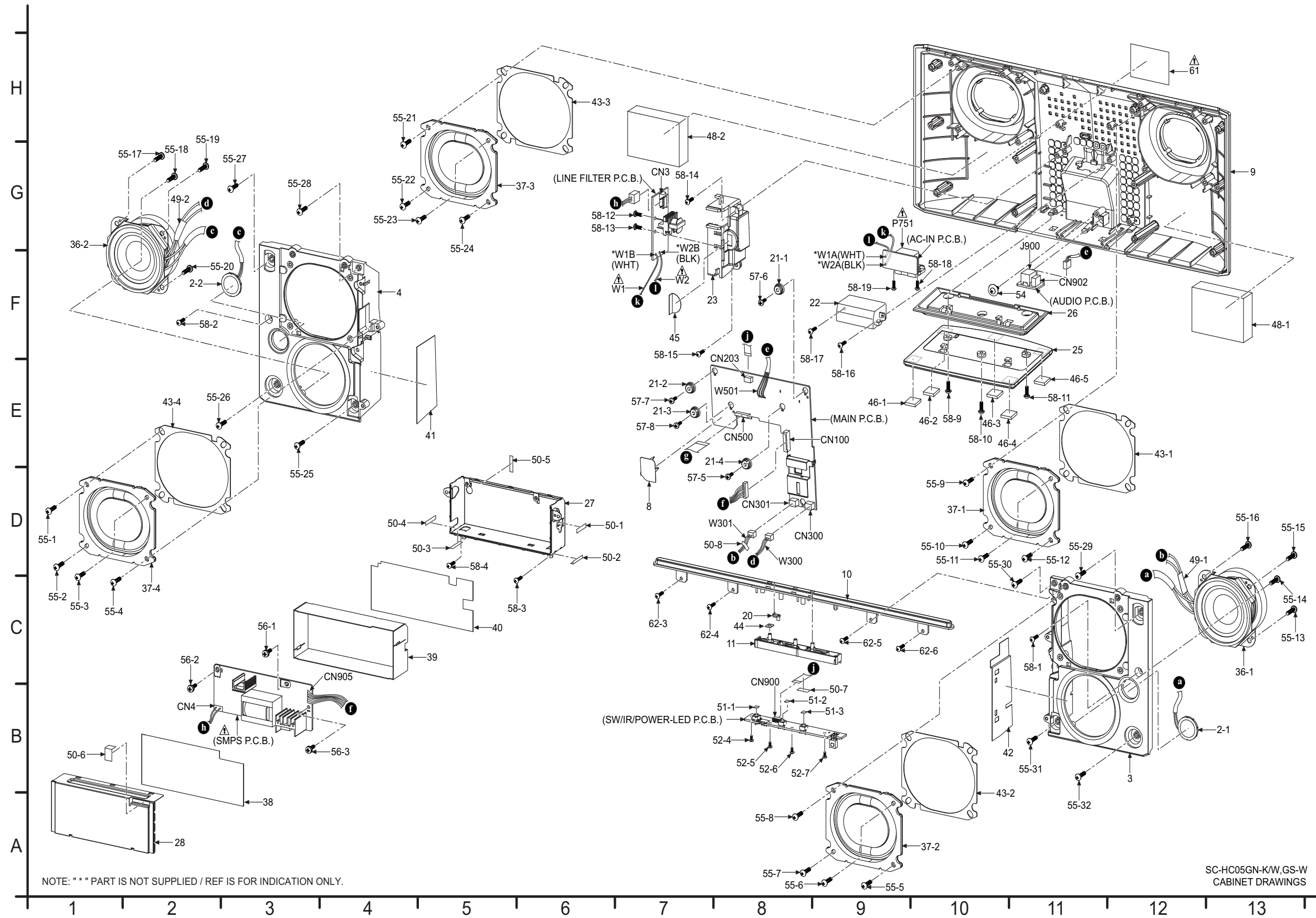


11 Exploded View and Replacement Parts List

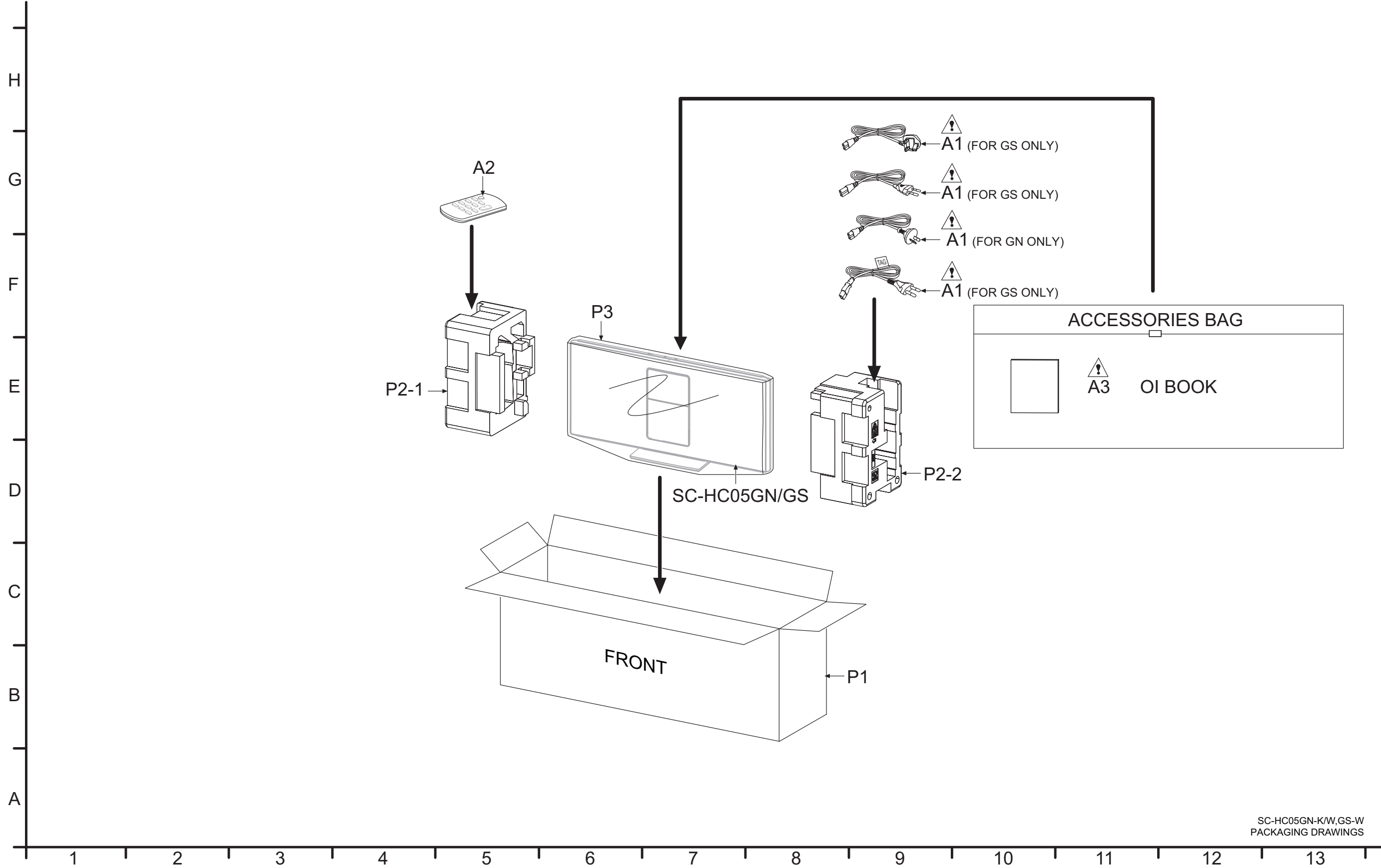
11.1. Exploded View and Mechanical replacement Parts List

11.1.1. Cabinet Parts Location






11.1.2. Packaging



SC-HC05GN-K/W,GS-W
PACKAGING DRAWINGS

11.1.3. Mechanical Replacement Parts 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	Sw:	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 & CHASSIS		
	1	VUEMNAHC05PW	NET FRAME ASS'Y	1	GN/GS-W
	1	VUEMNAHC05PK	NET FRAME ASS'Y	1	GN-K
	2-1	VUEMPAHC05	PIEZO ASS'Y	1	
	2-2	VUEMPAHC05	PIEZO ASS'Y	1	
	3	VUEMSPAHC05	SPEAKER PANEL R ASS'Y	1	
	4	VUEMSPLAHC05	SPEAKER PANEL L ASS'Y	1	
	5	VUEB0AHC05PW	BOTTOM ORNAMENT ASS'Y	1	GN/GS-W
	5	VUEB0AHC05PK	BOTTOM ORNAMENT ASS'Y	1	GN-K
	6	VUETOAHC05PW	TOP ORNAMENT ASS'Y	1	GN/GS-W
	6	VUETOAHC05PK	TOP ORNAMENT ASS'Y	1	GN-K
	8	VUEMBMCHC05	BT METAL COVER	1	
	9	VUERCHC05JW	REAR CABINET	1	GN/GS-W
	9	VUERCHC05JK	REAR CABINET	1	GN-K
	10	VUEM0BHC05E	ORNAMENT BUTTON	1	
	11	VUEMPBHC05	POWER BUTTON	1	
	12	VUEMIBHC05W	IPOD BRACKET	1	GN/GS-W
	12	VUEMIBHC05K	IPOD BRACKET	1	GN-K
	13	VUEMTCHHC05E	TOP CRADLE HOLDER	1	GN/GS-W
	13	VUEMTCHHC05P	TOP CRADLE HOLDER	1	GN-K
	14	VUEMICHC05PW	IPOD COVER	1	GN/GS-W
	14	VUEMICHC05PK	IPOD COVER	1	GN-K
	16	VUEMRBHC05PW	RELEASE BUTTON	1	GN/GS-W
	16	VUEMRBHC05PK	RELEASE BUTTON	1	GN-K
	17	VUEMRBHC05	HOLDER BUTTON	1	
	18	VUEMLLHC05	LOCK LEVER	1	
	19	VUEMBLGH05	BT LIGHTING GUIDE	1	


Safety	Ref. No.	Part No.	Part Name & Description	QTY	Remarks
	20	VUEMPLGH05	POWER LIGHTING GUIDE	1	
	21-1	VUEMPBHC05	PWB BRACKET	1	
	21-2	VUEMPBHC05	PWB BRACKET	1	
	21-3	VUEMPBHC05	PWB BRACKET	1	
	21-4	VUEMPBHC05	PWB BRACKET	1	
	22	VUEMAIBHC05	AC INLET BRACKET	1	
	23	VUEMLFBHC05	LIVE FILTER BRACKET	1	
	24	VUEMDGBHC05	DAMPER GEAR BRACKET	1	
	25	VUEMBHC05PW	BASE	1	GN/GS-W
	25	VUEMBHC05PK	BASE	1	GN-K
	26	VUEMSHC05PW	STAND	1	GN/GS-W
	26	VUEMSHC05PK	STAND	1	GN-K
	27	VUEMSPAHC05P	SMPS PLATE A	1	
	28	VUEMSPBHC05P	SMPS PLATE B	1	
	29	VUEMCSRHC05	CRADLE SPRING	1	
	30	VUEMSPCHC05	SPRING COVER	1	
	31	VUEMCSHC05	CRADLE SHIELD	1	
	32	VUEMLLSHC05	LOCK LEVER SPRING	1	
	33	VUEMSPHC05	SPRING BUTTON	1	
	34	VUEMDGHC05	DAMPER GEAR	1	
	35	VUEMLHC05	LATCH	1	
	36-1	VUEMSPRHC05	SPEAKER	1	
	36-2	VUEMSPRHC05	SPEAKER	1	
	37-1	VUEMPRHC05	PASSIVE RADIATOR	1	
	37-2	VUEMPRHC05	PASSIVE RADIATOR	1	
	37-3	VUEMPRHC05	PASSIVE RADIATOR	1	
	37-4	VUEMPRHC05	PASSIVE RADIATOR	1	
	38	VUEMTPSHC05	SMPS TOP PC SHEET	1	
	39	VUEMBPSHC05	SMPS BOTTOM PC SHEET	1	

Safety	Ref. No.	Part No.	Part Name & Description	QTY	Remarks
	40	VUEMMPSHC05	SMPS MIDDLE PC SHEET	1	
	41	VUEMLFHC05	LINE FILTER PC SHEET	1	
	42	VUEMAPSHC05	AMP PC SHEET	1	
	43-1	VUEMPREHC05	EVA (PASSIVE RADI-ATOR)	1	
	43-2	VUEMPREHC05	EVA (PASSIVE RADI-ATOR)	1	
	43-3	VUEMPREHC05	EVA (PASSIVE RADI-ATOR)	1	
	43-4	VUEMPREHC05	EVA (PASSIVE RADI-ATOR)	1	
	44	VUEMBSHC05	BUTTON SHIELD	1	
	45	VUEMLFPHC05	LIVE FILTER PC SHEET	1	
	46-1	VUEMLCHC05	LEG CUSHION	1	
	46-2	VUEMLCHC05	LEG CUSHION	1	
	46-3	VUEMLCHC05	LEG CUSHION	1	
	46-4	VUEMLCHC05	LEG CUSHION	1	
	46-5	VUEMLCHC05	LEG CUSHION	1	
	47-1	VUEMICHHC05	IPOD CUSHION	1	
	47-2	VUEMICHHC05	IPOD CUSHION	1	
	48-1	VUEMASAHC05	ACOUSTIC SHOCK ABSORBER	1	
	48-2	VUEMASAHC05	ACOUSTIC SHOCK ABSORBER	1	
	49-1	VUEMSCHC05	CUSHION	1	
	49-2	VUEMSCHC05	CUSHION	1	
	50-1	VUEMHIHC05	HIMELON	1	
	50-2	VUEMHIHC05	HIMELON	1	
	50-3	VUEMHIHC05	HIMELON	1	
	50-4	VUEMHIHC05	HIMELON	1	
	50-5	VUEMHIHC05	HIMELON	1	
	50-6	VUEMHIHC05	HIMELON	1	
	50-7	VUEMHIHC05	HIMELON	1	
	50-8	VUEMHIHC05	HIMELON	1	
	50-9	VUEMHIHC05	HIMELON	1	
	50-10	VUEMHIHC05	HIMELON	1	
	51-1	VUEMHBHC05	HIMELON	1	
	51-2	VUEMHBHC05	HIMELON	1	
	51-3	VUEMHBHC05	HIMELON	1	
	51-4	VUEMHBHC05	HIMELON	1	
	52-1	VUEM0131SS	SCREW	1	
	52-2	VUEM0131SS	SCREW	1	
	52-3	VUEM0131SS	SCREW	1	
	52-4	VUEM0131SS	SCREW	1	
	52-5	VUEM0131SS	SCREW	1	
	52-6	VUEM0131SS	SCREW	1	
	52-7	VUEM0131SS	SCREW	1	
	52-8	VUEM0131SS	SCREW	1	
	52-9	VUEM0131SS	SCREW	1	
	52-10	VUEM0131SS	SCREW	1	
	53-1	VUEM0201SS	SCREW	1	
	53-2	VUEM0201SS	SCREW	1	
	53-3	VUEM0201SS	SCREW	1	
	54	VUEM0301SS	SCREW	1	
	55-1	VUEM0401SS	SCREW	1	
	55-2	VUEM0401SS	SCREW	1	
	55-3	VUEM0401SS	SCREW	1	
	55-4	VUEM0401SS	SCREW	1	
	55-5	VUEM0401SS	SCREW	1	
	55-6	VUEM0401SS	SCREW	1	
	55-7	VUEM0401SS	SCREW	1	
	55-8	VUEM0401SS	SCREW	1	
	55-9	VUEM0401SS	SCREW	1	
	55-10	VUEM0401SS	SCREW	1	
	55-11	VUEM0401SS	SCREW	1	
	55-12	VUEM0401SS	SCREW	1	
	55-13	VUEM0401SS	SCREW	1	
	55-14	VUEM0401SS	SCREW	1	
	55-15	VUEM0401SS	SCREW	1	
	55-16	VUEM0401SS	SCREW	1	
	55-17	VUEM0401SS	SCREW	1	
	55-18	VUEM0401SS	SCREW	1	

Safety	Ref. No.	Part No.	Part Name & Description	QTY	Remarks
	55-19	VUEM0401SS	SCREW	1	
	55-20	VUEM0401SS	SCREW	1	
	55-21	VUEM0401SS	SCREW	1	
	55-22	VUEM0401SS	SCREW	1	
	55-23	VUEM0401SS	SCREW	1	
	55-24	VUEM0401SS	SCREW	1	
	55-25	VUEM0401SS	SCREW	1	
	55-26	VUEM0401SS	SCREW	1	
	55-27	VUEM0401SS	SCREW	1	
	55-28	VUEM0401SS	SCREW	1	
	55-29	VUEM0401SS	SCREW	1	
	55-30	VUEM0401SS	SCREW	1	
	55-31	VUEM0401SS	SCREW	1	
	55-32	VUEM0401SS	SCREW	1	
	56-1	VUEM0501SS	SCREW	1	
	56-2	VUEM0501SS	SCREW	1	
	56-3	VUEM0501SS	SCREW	1	
	57-1	VUEM0619SS	SCREW	1	
	57-2	VUEM0619SS	SCREW	1	
	57-3	VUEM0619SS	SCREW	1	
	57-4	VUEM0619SS	SCREW	1	
	57-5	VUEM0619SS	SCREW	1	
	57-6	VUEM0619SS	SCREW	1	
	57-7	VUEM0619SS	SCREW	1	
	57-8	VUEM0619SS	SCREW	1	
	57-9	VUEM0619SS	SCREW	1	
	57-10	VUEM0619SS	SCREW	1	
	58-1	VUEM0701SS	SCREW	1	
	58-2	VUEM0701SS	SCREW	1	
	58-3	VUEM0701SS	SCREW	1	
	58-4	VUEM0701SS	SCREW	1	
	58-9	VUEM0701SS	SCREW	1	
	58-10	VUEM0701SS	SCREW	1	
	58-11	VUEM0701SS	SCREW	1	
	58-12	VUEM0701SS	SCREW	1	
	58-13	VUEM0701SS	SCREW	1	
	58-14	VUEM0701SS	SCREW	1	
	58-15	VUEM0701SS	SCREW	1	
	58-16	VUEM0701SS	SCREW	1	
	58-17	VUEM0701SS	SCREW	1	
	58-18	VUEM0701SS	SCREW	1	
	58-19	VUEM0701SS	SCREW	1	
	58-20	VUEM0701SS	SCREW	1	
	58-22	VUEM0701SS	SCREW	1	
	59	VUEMFCHC05P	FERRITE CORE (FR901)	1	
△	61	VUEMNPHC05GN	NAME PLATE	1	GN-K/W
△	61	VUEMNPHC05GS	NAME PLATE	1	GS-W
	62-1	VUEM1501SS	SCREW	1	
	62-2	VUEM1501SS	SCREW	1	
	62-3	VUEM1501SS	SCREW	1	
	62-4	VUEM1501SS	SCREW	1	
	62-5	VUEM1501SS	SCREW	1	
	62-6	VUEM1501SS	SCREW	1	
			PACKING MATERIALS		
	P1	RPG9506	PACKING CASE	1	GN-W
	P1	RPG9650	PACKING CASE		GN-K
	P1	RPG9507	PACKING CASE	1	GS-W
	P2-1	VUEPCLHC05	POLYFOAM L	1	
	P2-2	VUEPCRHC05	POLYFOAM R	1	
	P3	VUEPMBHC05	MIRAMAT BAG	1	
			ACCESSORIES		
△	A1	K2CZ3YY00005	AC CORD (3PIN)	1	GS
△	A1	K2CQ2CA00007	AC CORD (2PIN)	1	GS
△	A1	K2CJ2DA00010	AC CORD	1	GN
△	A1	K2CP2CA00001	AC CORD (with TAG)	1	GS
	A2	RAK-SC989ZM	REMOTE CONTROL	1	
△	A3	RQTX1318-B	O.I BOOK (En)	1	GN/GS
△	A3	RQTX1321-G	O.I BOOK (Cn Ar)	1	GS

11.2. Electrical Replacement Parts 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.

Safety	Ref. No.	Part No.	Part Name & Description	QTY	Remarks
			PRINTED CIRCUIT BOARDS		
		PCB1	VUEEMPBHC05	1	MAIN P.C.B
		PCB2	VUEEKPBHC05	1	KEY P.C.B
		PCB3	VUEESBDHC05E	1	SMPS P.C.B
			WIRES		
		W904	VUEM0300HC05	1	3P WIRE
		W501	VUEM0400HC05	1	4P WIRE
		CN4	VUEM0204HC05	1	2P WIRE (POWER-SMPS)
		CN905	VUEM0600HC05	1	6P WIRE (SMPS-MAIN;W4)
		W1	VUEM0102HC05	1	1P WHITE WIRE (W1A/W1B)
		W2	VUEM0103HC05	1	1P BLACK WIRE (W2A/W2B)
		W200	VUEM6PFHC05	1	6P FFC (MAIN-KEY)
		W300	VUEMRSWHC05	1	2P SPEAKER WIRE (RED)
		W301	VUEMWSWHC05	1	2P SPEAKER WIRE (WHITE)
		W302	VUEM0203HC05	2	2P WIRE
		W900	VUEM1200HC05	1	12P FFC (MAIN-IPOD)
			FUSE		
		F751	VUEEFHC05	1	FUSE
			JACKS		
		P751	VUEEAIHC05E	1	AC INLET
		J900	VUEEAJHC05	1	JK AUDIO

Safety	Ref. No.	Part No.	Part Name & Description	QTY	Remarks
	J901	VUEEIJHC05	JK IPOD	1	

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