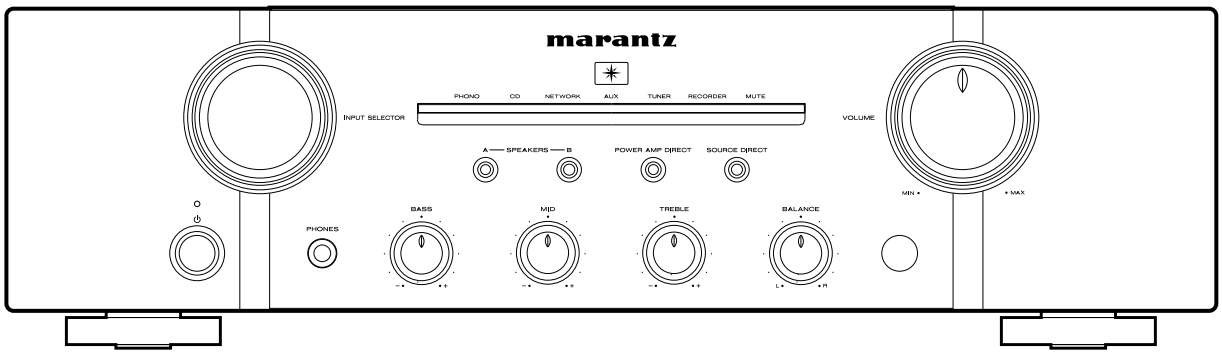
Service Manual

PM8005 /N1B/N1SG
U1B/K1B

Integrated Amplifier



- For purposes of improvement, specifications and design are subject to change without notice.
- Please use this service manual with referring to the operating instructions without fail.
- Some illustrations using in this service manual are slightly different from the actual set.

marantz®

PM8005

Ver. 6
Please refer to the MODIFICATION NOTICE.

S1165V06DM/DG1512

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ABOUT THIS MANUAL

Read the following information before using the service manual.

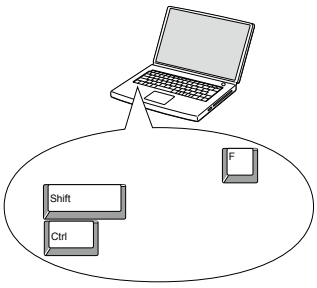
What you can do with this manual

Search for a Ref. No. (phrase) (Ctrl+Shift+F)

You can use the search function in Acrobat Reader to search for a Ref. No. in schematic diagrams, printed wiring circuit diagrams, block diagrams, and parts lists.

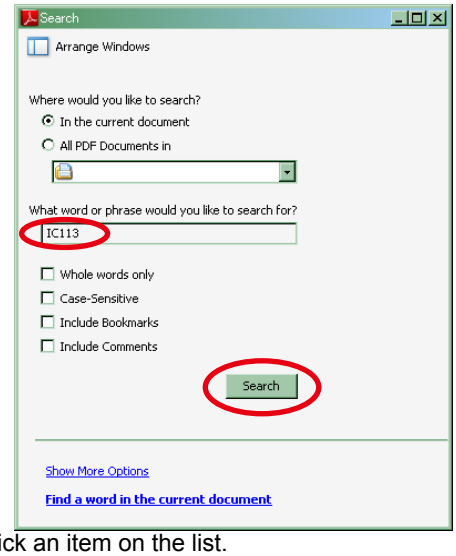
1.Press **Ctrl+Shift+F** on the keyboard.

- The Search window appears.



2.Enter the Ref. No. you want to search for in the Search window, and then click the **Search** button.

•A list of search results appears.



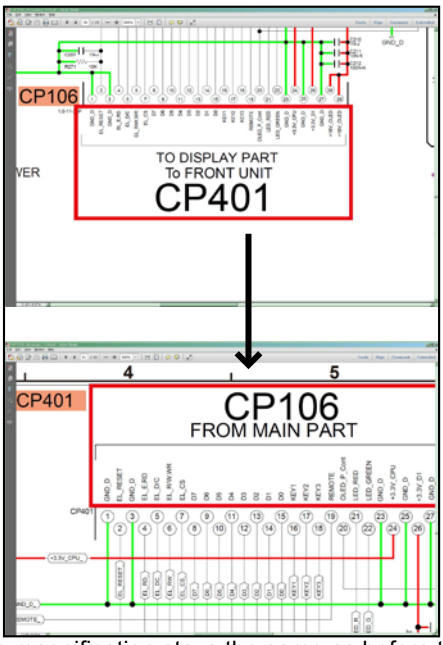
3.Click an item on the list.

• The screen jumps to the page for that item, and the search phrase is displayed.

Jump to the target of a schematic diagram connector

Click the Ref. No. of the target connector in the red box around a schematic diagram connector.

•The screen jumps to the target connector.



•Page magnification stays the same as before the jump.

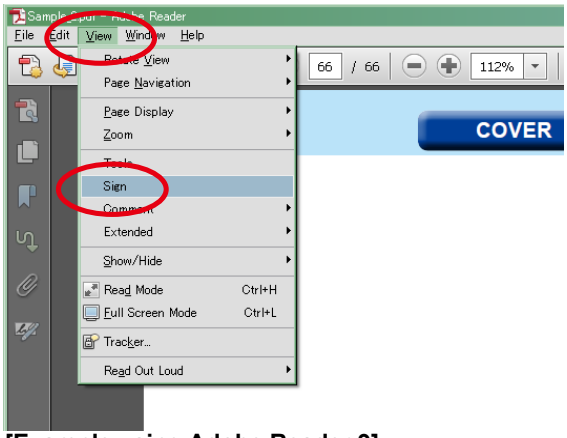
Using Adobe Reader (Windows version)

Add notes to this data (Sign)

The Sign function lets you add notes to the data in this manual.
Save the file once you have finished adding notes.

[Example using Adobe Reader X]
On the **"View"** menu, click **"Sign"**.

- The Sign pane appears.



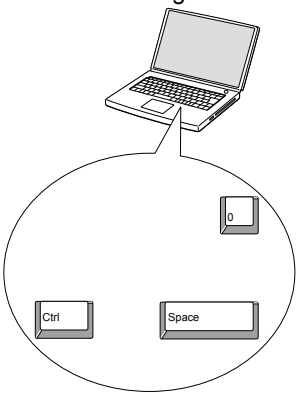
[Example using Adobe Reader 9]
On the **"Document"** menu, click **"Sign"**.

Magnify schematic / printed circuit board diagrams - 1

(Ctrl+Space, mouse operation)

Press **Ctrl+Space** on the keyboard and drag the mouse to select the area you want to view.

- The selected area is magnified.

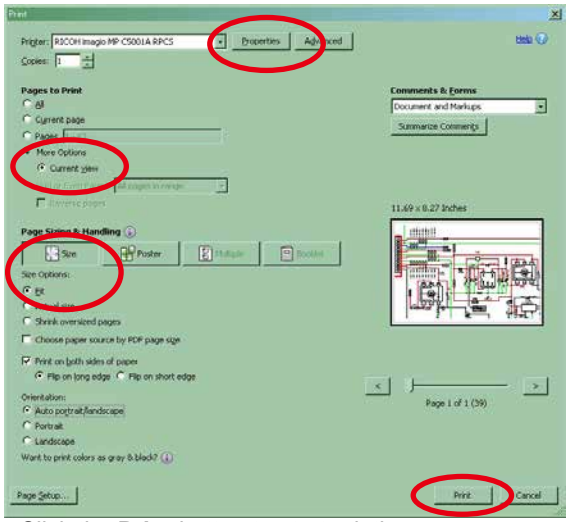


- When you want to move the area shown, hold down **Space** and drag the mouse.
- When you want to show a full page view, press **Ctrl+0** on the keyboard.

Print a magnified part of the manual

The Properties dialog box and functions will vary depending on your printer.

1. Drag the mouse to magnify the part you want to print.
2. On the **"File"** menu, click **"Print"**.
3. Configure the following settings in the Print dialog box.



- **Properties**
  Click this button and check that the printer is set to a suitable paper size.
- **Page to print**
  Select the following checkbox.
  "More Options" : **"Current View"**
- **Page Sizing & Handling**
  Select the following checkbox.
  "Size" / **"Size Options"** : **"Fit"**

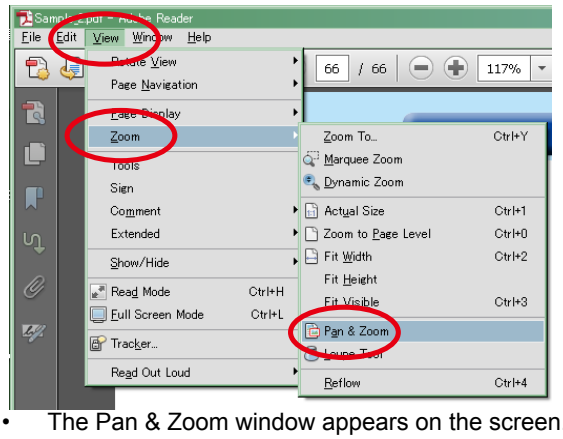
4. Click the **Print** button to start printing.

Magnify schematic / printed circuit board diagrams - 2

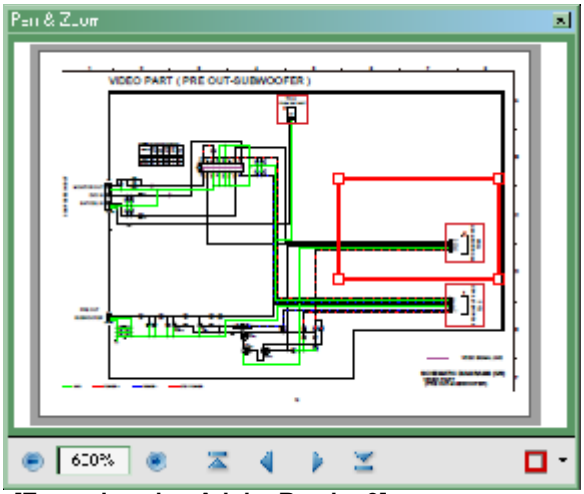
(Pan & Zoom function)

The Pan & Zoom function lets you see which part of a magnified diagram is being shown in a separate window.

[Example using Adobe Reader X]
On the **"View"** menu, point to **"Zoom"**, and then click **"Pan & Zoom"**.



- The Pan & Zoom window appears on the screen.



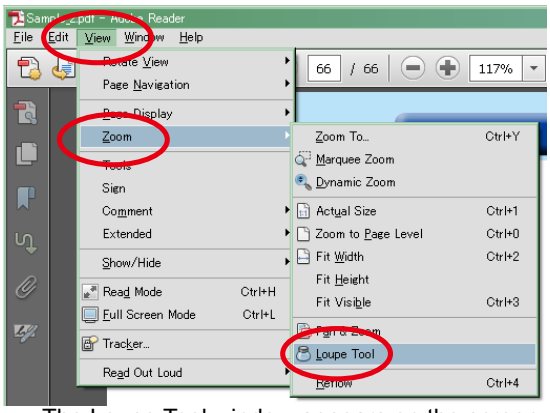
[Example using Adobe Reader 9]
On the **"Tools"** menu, point to **"Select & Zoom"**, and then click **"Pan & Zoom Window"**.

Magnify schematic / printed circuit board diagrams - 3

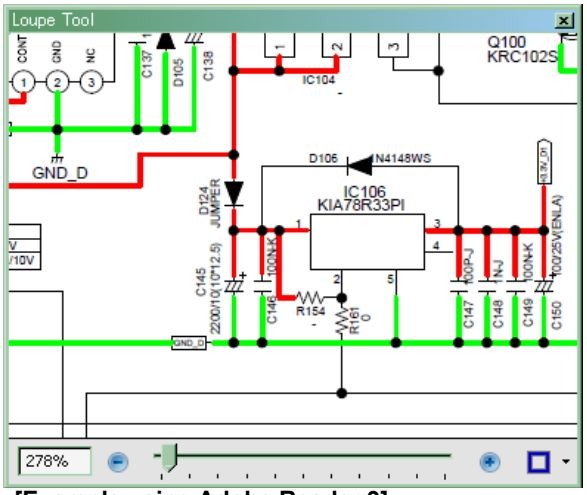
(Loupe Tool function)

The Loupe Tool function lets you magnify a specific part of a diagram in a separate window.

[Example using Adobe Reader X]
On the **"View"** menu, point to **"Zoom"**, and then click **"Loupe Tool"**.



- The Loupe Tool window appears on the screen.



[Example using Adobe Reader 9]
On the **"Tools"** menu, point to **"Select & Zoom"**, and then click **"Loupe Tool Window"**.

SAFETY PRECAUTIONS

The following items should be checked for continued protection of the customer and the service technician.

leakage current check

Before returning the set to the customer, be sure to carry out either (1) a leakage current check or (2) a line to chassis resistance check. If the leakage current exceeds 0.5 milliamps, or if the resistance from chassis to either side of the power cord is less than 460 kohms, the set is defective.

Be sure to test for leakage current with the AC plug in both polarities, in addition, when the set's power is in each state (on, off and standby mode), if applicable.

CAUTION **Please heed the following cautions and instructions during servicing and inspection.**

◎ **Heed the cautions!**

Cautions which are delicate in particular for servicing are labeled on the cabinets, the parts and the chassis, etc. Be sure to heed these cautions and the cautions described in the handling instructions.

◎ **Cautions concerning electric shock!**

(1) An AC voltage is impressed on this set, so if you touch internal metal parts when the set is energized, you may get an electric shock. Avoid getting an electric shock, by using an isolating transformer and wearing gloves when servicing while the set is energized, or by unplugging the power cord when replacing parts, for example.

(2) There are high voltage parts inside. Handle with extra care when the set is energized.

◎ **Caution concerning disassembly and assembly!**

Through great care is taken when parts were manufactured from sheet metal, there may be burrs on the edges of parts. The burrs could cause injury if fingers are moved across them in some rare cases. Wear gloves to protect your hands.

◎ **Use only designated parts!**

The set's parts have specific safety properties (fire resistance, voltage resistance, etc.). Be sure to use parts which have the same properties for replacement. The burrs have the same properties. In particular, for the important safety parts that are indicated by the ⚠ mark on schematic diagrams and parts lists, be sure to use the designated parts.

◎ **Be sure to mount parts and arrange the wires as they were originally placed!**

For safety seasons, some parts use tapes, tubes or other insulating materials, and some parts are mounted away from the surface of printed circuit boards. Care is also taken with the positions of the wires by arranging them and using clamps to keep them away from heating and high voltage parts, so be sure to set everything back as it was originally placed.

◎ **Make a safety check after servicing!**

Check that all screws, parts and wires removed or disconnected when servicing have been put back in their original positions, check that no serviced parts have deteriorate the area around. Then make an insulation check on the external metal connectors and between the blades of the power plug, and otherwise check that safety is ensured.

(Insulation check procedure)

Unplug the power cord from the power outlet, disconnect the antenna, plugs, etc., and on the power. Using a 500V insulation resistance tester, check that the insulation resistance value between the inplug and the externally exposed metal parts (antenna terminal, headphones terminal, input terminal, etc.) is 1MΩ or greater. If it is less, the set must be inspected and repaired.

CAUTION **Concerning important safety parts**

Many of the electric and the structural parts used in the set have special safety properties. In most cases these properties are difficult to distinguish by sight, and the use of replacement parts with higher ratings (rated power and withstand voltage) does not necessarily guarantee that safety performance will be preserved. Parts with safety properties are indicated as shown below on the wiring diagrams and the parts list in this service manual. Be sure to replace them with the parts which have the designated part number.

(1) Schematic diagrams.....Indicated by the ⚠ mark.

(2) Parts lists.....Indicated by the ⚠ mark.

The use of parts other than the designated parts could cause electric shocks, fires or other dangerous situations.

NOTE FOR SCHEMATIC DIAGRAM

WARNING:

Parts indicated by the ⚠ mark have critical characteristics. Use ONLY replacement parts recommended by the manufacturer.

CAUTION:

Before returning the set to the customer, be sure to carry out either (1) a leakage current check or (2) a line to chassis resistance check. If the leakage current exceeds 0.5 milliamps, or if the resistance from chassis to either side of the power cord is less than 460 kohms, the set is defective.

WARNING:

DO NOT return the set to the customer unless the problem is identified and remedied.

NOTICE:

ALL RESISTANCE VALUES IN OHM. k=1,000 OHM / M=1,000,000 OHM

ALL CAPACITANCE VALUES ARE EXPRESSED IN MICRO FARAD, UNLESS OTHERWISE INDICATED. P INDICATES MICRO-MICRO FARAD. EACH VOLTAGE AND CURRENT ARE MEASURED AT NO SIGNAL INPUT CONDITION. CIRCUIT AND PARTS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

NOTE FOR PARTS LIST

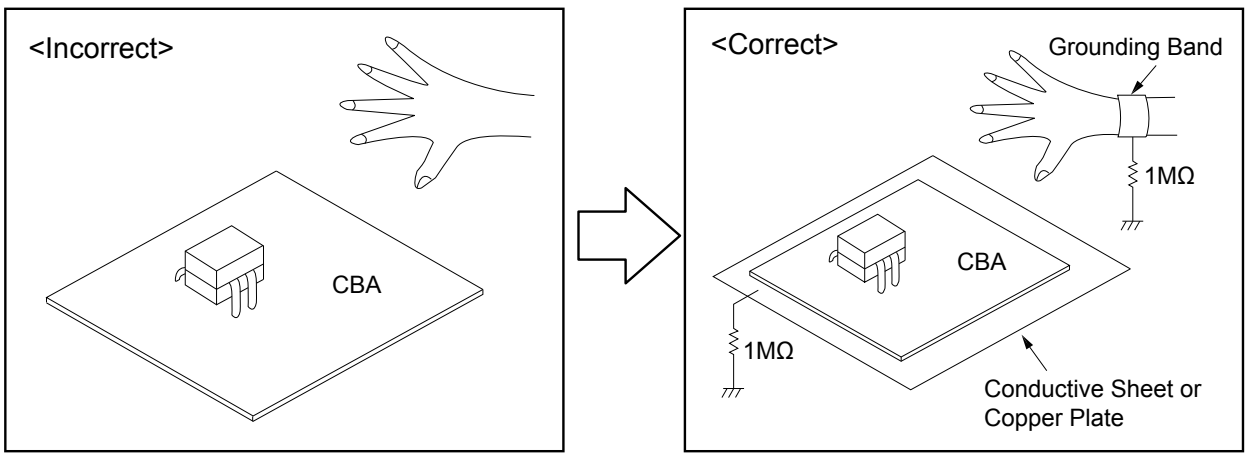
1. Parts indicated by **"nsp"** on this table cannot be supplied.
2. When ordering a part, make a clear distinction between "1" and "I" (i) to avoid mis-supplying.
3. A part ordered without specifying its part number can not be supplied.
4. Part indicated by " ★ " mark is not illustrated in the exploded view.

WARNING: Parts indicated by the ⚠ mark have critical characteristics. Use ONLY replacement parts recommended by the manufacturer.

INSTRUCTIONS FOR HANDLING SEMI-CONDUCTORS AND OPTICAL UNIT

Electrostatic breakdown of the semi-conductors or optical pickup may occur due to a potential difference caused by electrostatic charge during unpacking or repair work.

1. Ground for Human Body
   Be sure to wear a grounding band (1 MΩ) that is properly grounded to remove any static electricity that may be charged on the body.
2. Ground for Workbench
   Be sure to place a conductive sheet or copper plate with proper grounding (1 MΩ) on the workbench or other surface, where the semi-conductors are to be placed. Because the static electricity charge on clothing will not escape through the body grounding band, be careful to avoid contacting semi-conductors with your clothing



Personal notes:

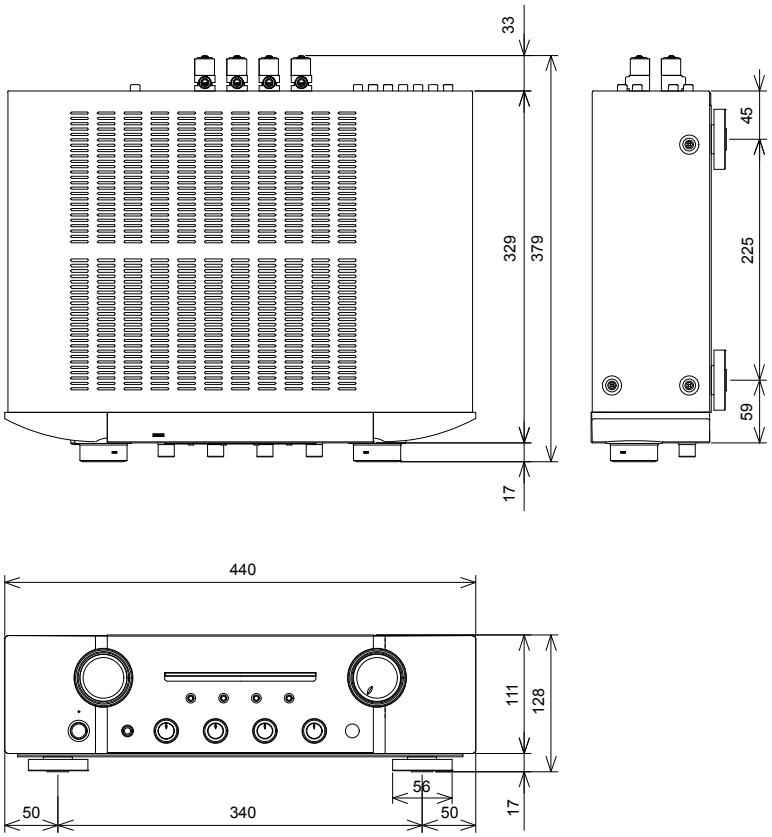
TECHNICAL SPECIFICATIONS

- **RMS Power output (for U / N / F model)**
  (20 Hz – 20 kHz simultaneous drive of both channels) :
  70 W x 2 (8 Ω/ohms load)
  100 W x 2 (4 Ω/ohms load)
- **RMS Power output (for K model)**
  (20 Hz – 20 kHz simultaneous drive of both channels) :
  65 W x 2 (8 Ω/ohms load)
  95 W x 2 (4 Ω/ohms load)
- **Total harmonic distortion**
  (20 Hz – 20 kHz simultaneous drive of both channels, 8 Ω/ohms load) :
  0.02 %
- **Output band width (8 Ω/ohms load, 0.06 %) :**
  5 Hz – 60 kHz
- **Frequency response (CD, 1 W, 8 Ω/ohms load) :**
  5 Hz − 100 kHz ± 3 dB
- **Dumping factor (8 Ω/ohms load, 40 Hz – 20 kHz) :**
  100
- **Input sensitivity/Input impedance**
  PHONO (MM) : 2 mV / 47 kΩ/kohms
  CD, TUNER, NETWORK, AUX, RECORDER : 200 mV / 20 kΩ/kohms
  POWER AMP DIRECT IN : 1.6 V / 15 kΩ/kohms
- **Output voltage/Output impedance**
  PRE OUT : 1.6 V / 600 Ω/ohms
- **Maximum allowable PHONO input level (1 kHz)**
  MM : 100 mV
- **RIAA deviation (20 Hz – 20 kHz) :**
  ± 0.5 dB
- **S/N (IHF-A, 8 Ω/ohms load)**
  PHONO (MM) : 87 dB (5 mV input, 1 W output)
  CD, TUNER, NETWORK, AUX, RECORDER : 106 dB (2 V input, Rated output
  POWER AMP DIRECT IN : 125 dB (Rated output)
- **Tone control**
  Bass (50 Hz) : ±10 dB
  Mid (900 Hz) : ±6 dB
  Treble (15 kHz) : ±10 dB

Power requirement (for U model) : AC 120 V, 60 Hz
Power requirement (for N model) : AC 230 V, 50/60 Hz
Power requirement (for K model) : AC 220 V, 50 Hz
Power requirement (for F model) : AC 100 V, 50/60 Hz
Power consumption (EN60065 / UL60065) : 220 W
Power consumption in standby mode : 0.2 W

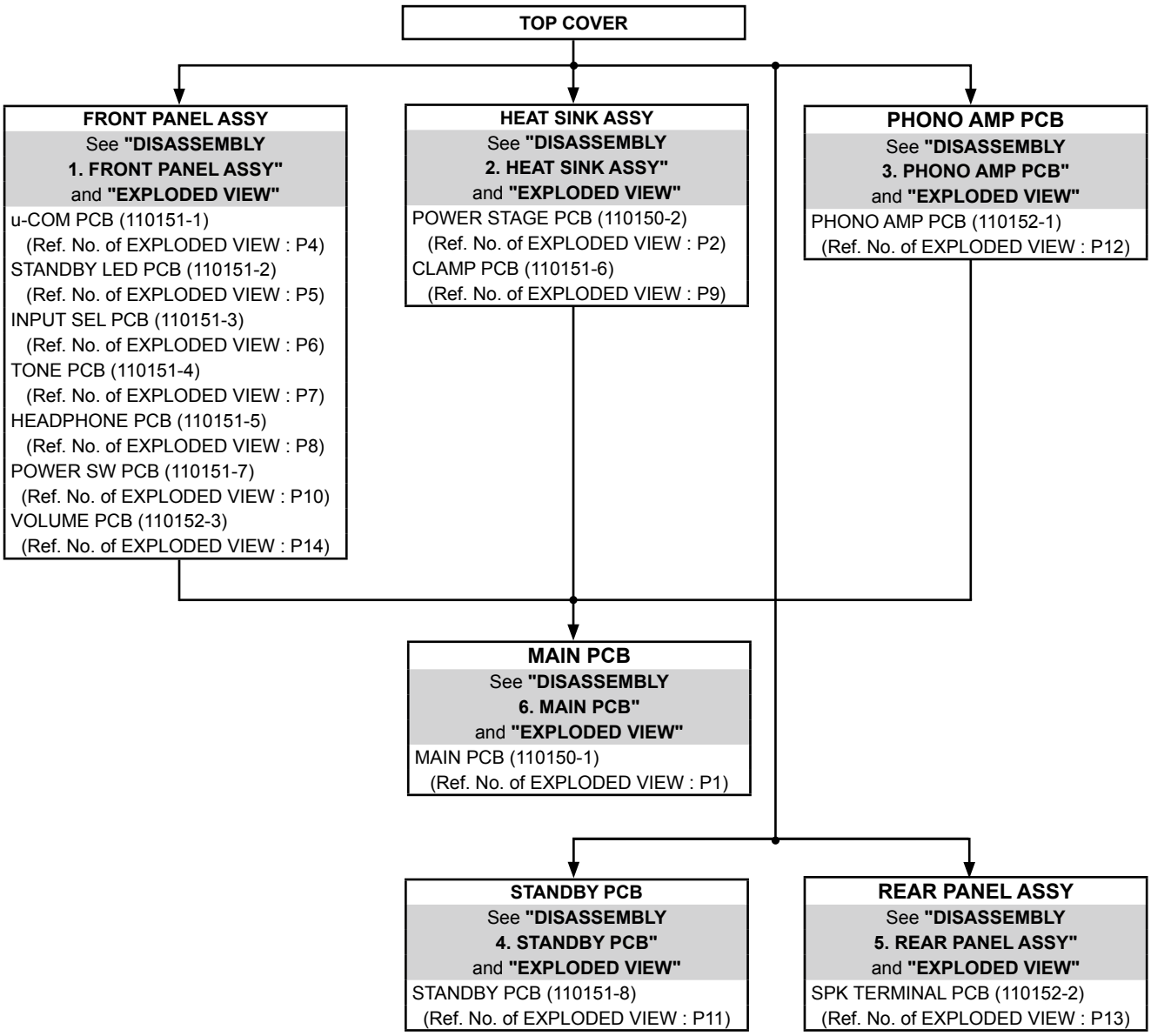
DIMENSION

Unit : in. (mm)
Weight : 12.0 kg



DISASSEMBLY

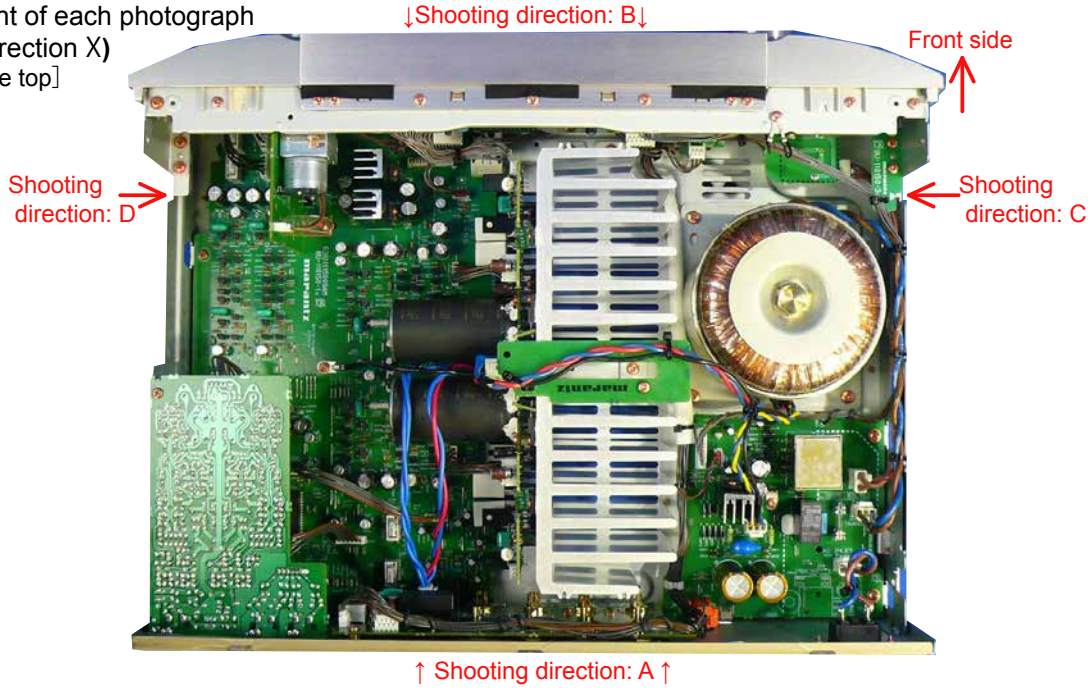
- Disassemble in order of the arrow in the following figure.
- In the case of the re-assembling, assemble it in order of the reverse of the following flow.
- In the case of the re-assembling, observe "attention of assembling".
- If wire bundles are untied or moved to perform adjustment or replace parts etc., be sure to rearrange them neatly as they were originally bundled or placed afterward.
  Otherwise, incorrect arrangement can be a cause of noise generation.



About the photos used for "descriptions of the DISASSEMBLY" section

- The shooting direction of each photograph used herein is indicated on the left side of the respective photograph as "Shooting direction: ***".
- See the diagram below about the shooting direction of each photograph.
- Photographs with no shooting direction indicated were taken from the top of the set.

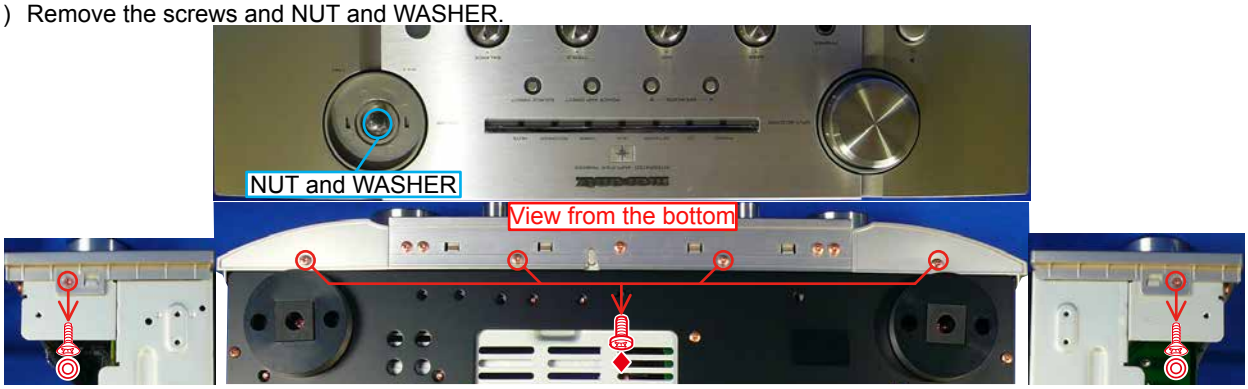
The viewpoint of each photograph
(Shooting direction X)
[View from the top]



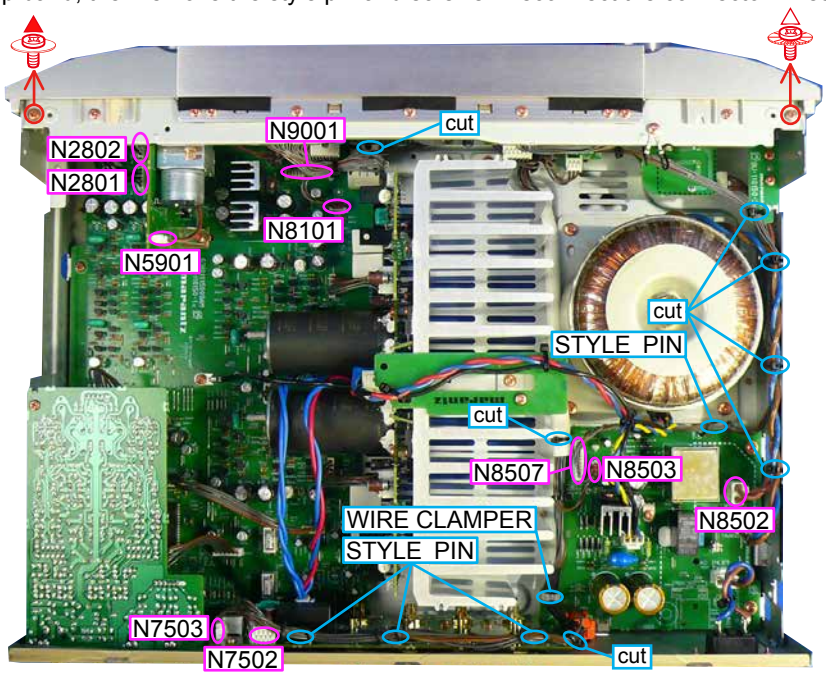
1. FRONT PANEL ASSY

Proceeding : TOP COVER → FRONT PANEL ASSY

(1) Remove the screws and NUT and WASHER.



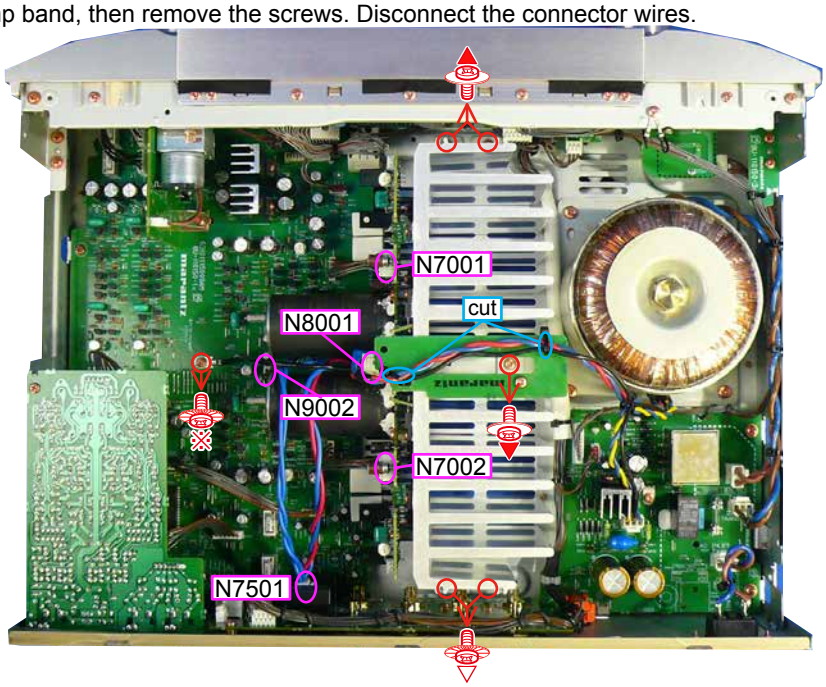
(2) Cut the wire clamp band, then remove the style pin and screws. Disconnect the connector wires.



2. HEAT SINK ASSY

Proceeding : TOP COVER → HEAT SINK ASSY

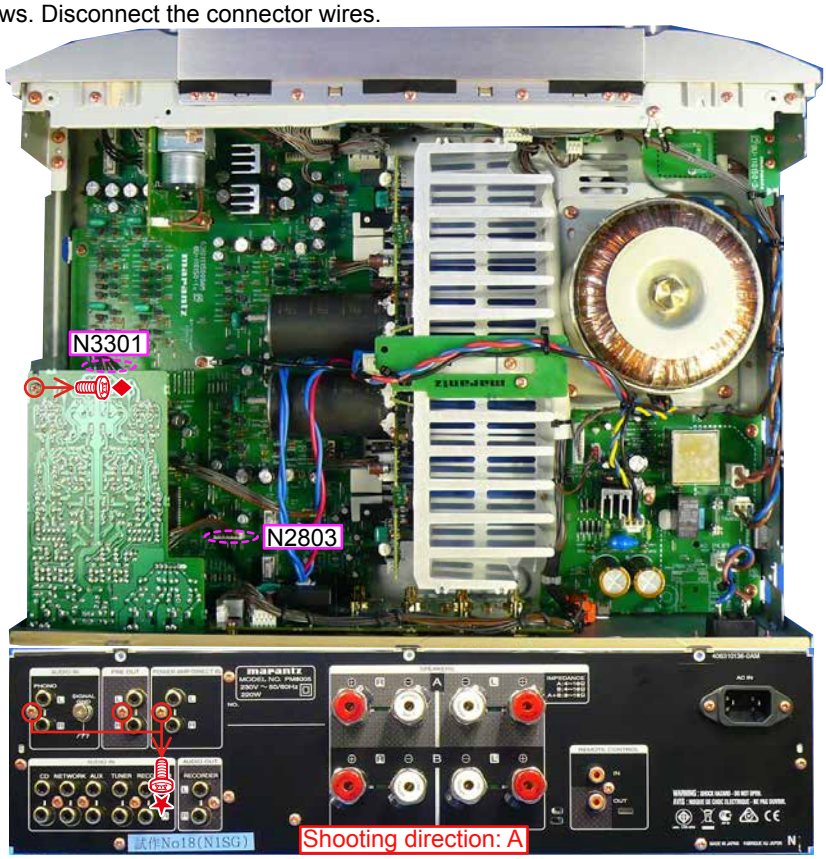
(1) Cut the wire clamp band, then remove the screws. Disconnect the connector wires.



3. PHONO AMP PCB

Proceeding : TOP COVER → PHONO AMP PCB

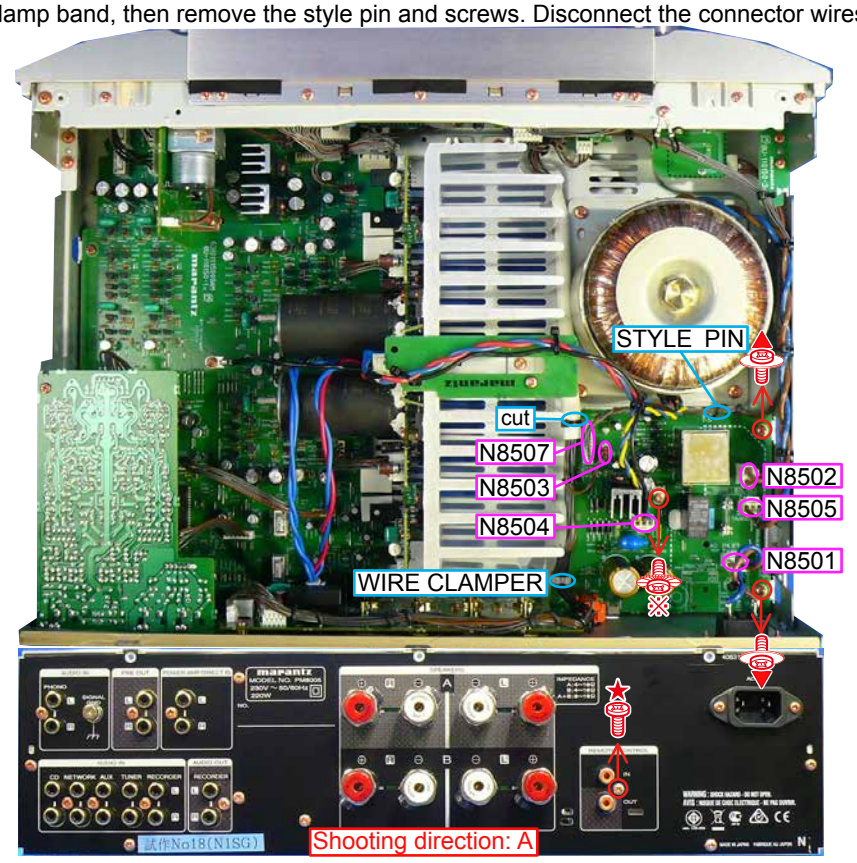
(1) Remove the screws. Disconnect the connector wires.



4. STANDBY PCB

Proceeding : TOP COVER → STANDBY PCB

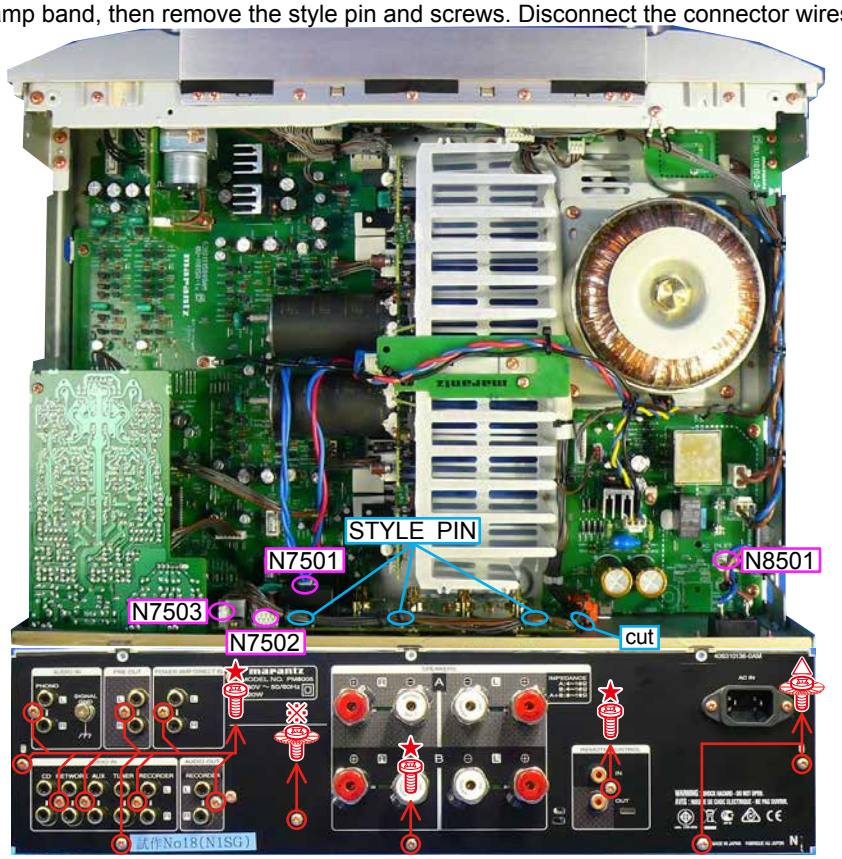
(1) Cut the wire clamp band, then remove the style pin and screws. Disconnect the connector wires.



5. REAR PANEL ASSY

Proceeding : TOP COVER → **REAR PANEL ASSY**

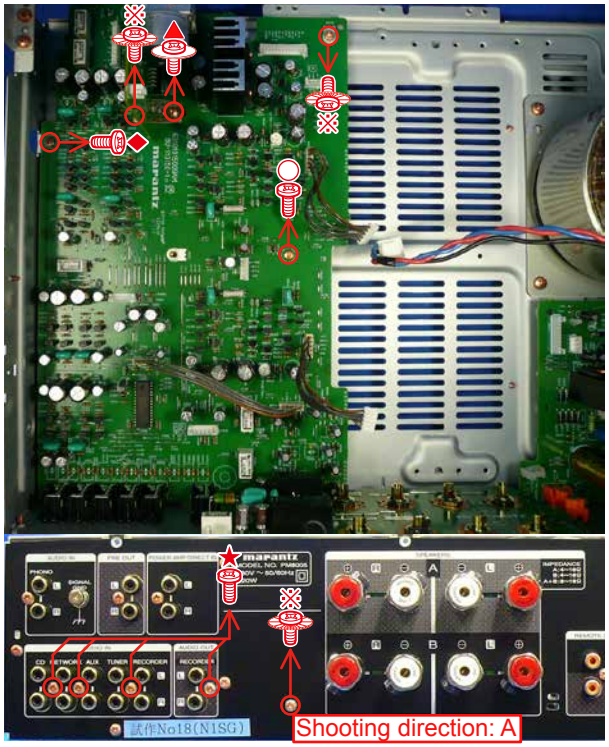
(1) Cut the wire clamp band, then remove the style pin and screws. Disconnect the connector wires.



6. MAIN PCB

Proceeding : TOP COVER → PHONO AMP PCB → HEAT SINK ASSY → **MAIN PCB**

(1) Remove the screws.



SPECIAL MODE

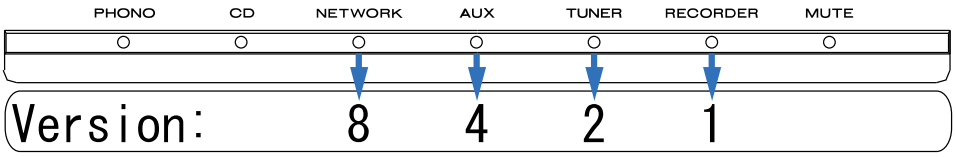
1. SERVICE MODE

Microprocessor (U1001) version check

(1) Connect the mains cord into the unit.

(2) Press the POWER button with pressing the SOURCE DIRECT button on the Unit.

(3) The firmware version is displayed on the front LED. (Display time is only for 3 seconds.)



The firmware version is displayed in the lighting position of LED.

Ex. :

Light up RECORDER- [1], Version : 1

Light up RECORDER- [1] and AUX [4], Version : 5

Light up RECORDER- [1] and NETWORK [8], Version : 9

(4) Each LED light up then all LED light up.

(5) Turn off the power to quit Service Mode. (The unit to the default status)

(6) This completes the procedure for N region. For all other regions, complete steps (7) and (8). ⚠2

(7) Press the power button to turn on the power. ⚠2

(8) Hold down buttons SOURCE DIRECT for at least 5 seconds while the power is on. ⚠2
The power display flashes once and the auto standby mode is OFF.

2. PROTECTION MODE

Explanation of microprocessor **(U1001)** [PROT_1 (pin6) and PROT_2 (pin7)].

[A] The PROT_1(pin6) is the port to detect the following abnormalities of the Power AMP

1. Detection of an abnormality in the DC offset voltage from the Speaker Output terminal.
   If the voltage from the Speaker Output terminal exceeds approximately 1.2V (DC), **Q9507** or **Q9508** will turn on and the signal from the PROT_1 terminal will change to **"Lo"** from **"Hi"**.

2. Detection of an abnormal current from the power transistors (**Q7011**, **Q7013**, **Q7012**, **Q7014**).
   If an electric current of over 7A flows in **Q7011** or **Q7013**, **Q9503**, **Q9505** and **Q9509** turn on, and the signal from the PROT_1 terminal will change to **"Lo"** from **"Hi"**.
   If an electric current of over 7A flows in **Q7012** or **Q7014**, **Q9504**, **Q9506** and **Q9509** turn on, and the signal from the PROT_1 terminal will change to **"Lo"** from **"Hi"**.

3. Detection of an abnormal temperature of the Heat Sink.
   If the temperature of the Heat Sink exceeds approximately +110 degrees C, the posistor (**Z9501** or **Z9502**) will turn on **Q9501** or **Q9502** and the signal from the PROT_1 terminal will change to **"Lo"** from **"Hi"**.

If any of the above three abnormalities is detected, the signal from the PROT_1 terminal will change to **"Lo"** from **"Hi"**, and the protection circuit will be activated, the signal from the SPK_OUT (pin10) changing to **"Lo"** from **"Hi"** and the speaker relays **S7501**, **S7502** and **S7503** immediately turned off.

What this protection operation results in after this depends on how long the signal from the PROT_1 has to remain **"Lo"**.

- If the PROT_1 (pin6) recovers to **"Hi"** within as short a period of time as one second or less.
  The MUTE indicator starts flickering, thereby indicates that the protection circuit has come into operation and automatically turns down the volume. The protection circuit is deactivated after approximately 15 seconds, so that readjusting the volume will allow normal use of the unit again. This protection operation is intended for the situation wherein the user has misused the unit temporarily and automatically resets the unit while the amp circuit is functioning properly.

- If the PROT_1 (pin6) remains **"Lo"** for more than one second.
  The amp will be powered off by the P_ON (pin15) changing to **"Hi"** from **"Lo"** and and Power relay **S8501** turned off Then, the STANDBY indicator flickers, thereby indicating that an error has occurred. This protection operation is intended for a failure in the amp circuit and immediately turns the power off to avoid the risk of any damage. Depending on how the user is handling the unit, this operation may be performed no matter if the amp is functioning properly.

To check if the amp is in order, switch off the unit and switch it on again one minute later. This action will deactivate the protection operation. If the PROT_1 (pin6) remains **"Lo"**, which constitutes an abnormality, the unit shuts down approximately 3 seconds later and the STANDBY indicator starts flickering.
If the protection operation will not be deactivated after the power is turned on again, the amp circuit may be broken.

[B] The PROT_2 (pin7) is the port to detect abnormalities of the power supply circuit.

1. Detection of an abnormality in the power amp power supply circuit.
   This port monitors the midpoint voltage of the power amp power supply between +49V and -49V. If the voltage at the connection point of **R8001** and **R8002** exceeds DC ±1.2V, **Q9003** or **Q9004** will turn on to change the signal from the PROT_2 (pin7) to **"Lo"** from **"Hi"**.

2. Detection of an abnormality in the preamp power supply circuit.
   Q9001 and **Q9002** monitors the midpoint voltage between +28V and -28V. If the voltage at the connection point of **R8109** and **R8110** exceeds DC ±0.9V, **Q9001** or **Q9002** will turn on to change the signal from the PROT_2 (pin7) to **"Lo"** from **"Hi"**.

3. Detection of an abnormality in the function relay power supply circuit.
   If the +24VL of the relay power supply receives an electric current of over 80mA, **Q8302** and **Q8303** will turn on to change the signal from the PROT_2 (pin7) to **"Lo"** from **"Hi"**.

If any of the above three abnormalities is detected, the signal from the P_ON (pin15) terminal will be changed to **"Lo"** from **"Hi"**, the power relay **S8051** will be turned off and the unit will be shut down. Then, the STANDBY indicator flickers and indicates that an abnormality has occurred.

This protection operation is intended for a breakdown of the AMP circuit or the power supply circuit and immediately shuts off the power in order to avoid the risk of damage.
To check if the amp circuit or the power supply circuit is broken, switch off the power and then switch it on again one minute later. This action will deactivate the protection operation.
If the RPOT_2 (pin7) remains **"Lo"** after the power is switched on again, the unit will be shut down again three seconds later with the STANDBY indicator flickering.
If the unit is powered on again and yet cannot get the protection operation deactivated, the amp circuit or the power supply circuit may be broken.

PROCEDURE AFTER REPLACING THE MICROPROCESSOR, ETC

The procedure after replacing the u-COM (Microprocessor), flash ROM, etc. is as follows.

PCB Name	Ref. No.	Description	After replaced	Remark
u-COM	U1001	PM8005 ROM ASSY (TMP86FH47BUG) ⚠6	A	

After replacing

A : The software has been written. The software is not written at the time of replacement.

B : The software has been written. The software may need to be rewritten by version updates. Check the version.

C : The software has not been written. The software needs to be written after replacement. See “Firmware Update Procedure” for information on writing the software.

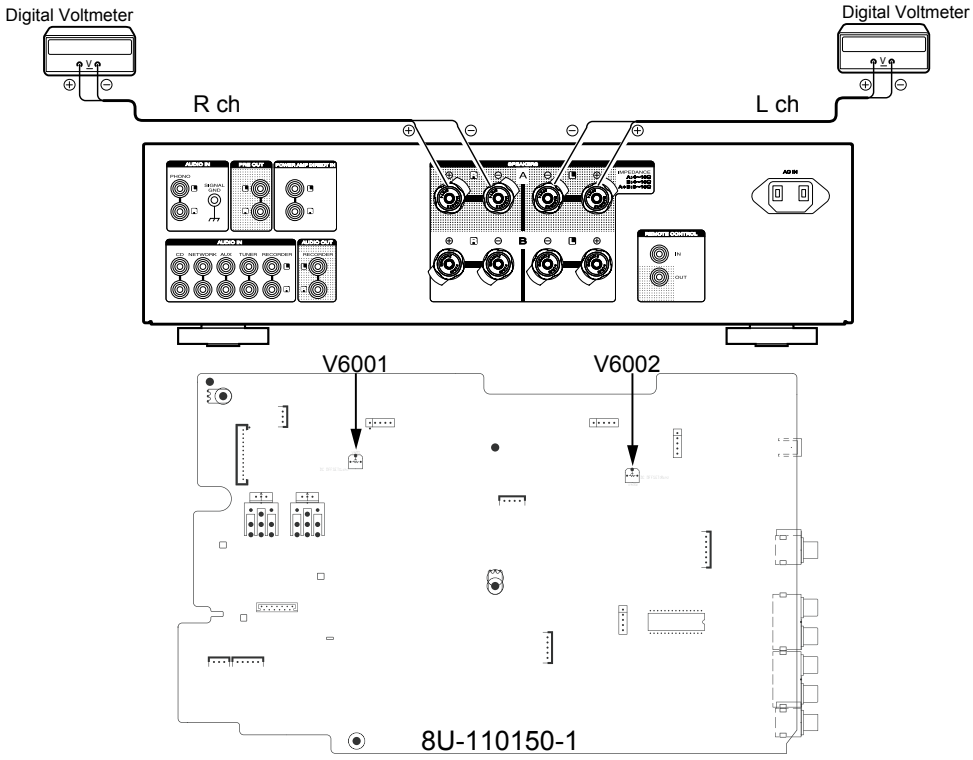
D : The software has been written. Be sure to rewrite with the latest software for your service region. See “Firmware Update Procedure” for information on writing the software.

ADJUSTMENT

Adjusting Procedure

Set the power voltage to rated voltage for this adjustment.

DC Offset Voltage Adjustment



1. Before turning on the power,
   Insert Digital Voltage Meter between the SPEAKER SYSTEMS A (L CH) **"+"** and **"–"**.
   Insert Digital Voltage Meter between the SPEAKER SYSTEMS A (R CH) **"+"** and **"–"**.

2. Adjust the **VOLUME** to MIN.

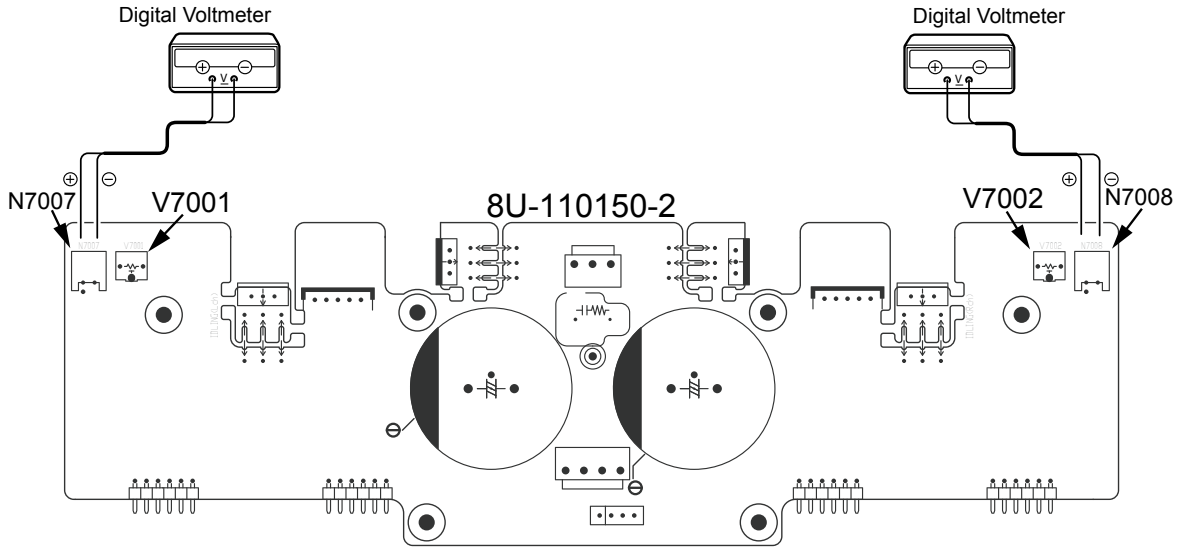
3. Turn on the power. Then turn the **SPAKERS SW** to A.
   Adjustment is started immediately after a speaker relay turns on.

4. First **L CH** is adjusted.
   The variable resistor **V6001** on **P1** is turned with adjustment driver, and the Digital Voltage Meter is adjusted to **"0 mV ± 3 mV"**.

5. Then, **R CH** is adjusted.
   The variable resistor **V6002** on **P1** is turned with adjustment driver, and the Digital Voltage Meter is adjusted to **"0 mV ± 3 mV"**.
   NOTE : DC offset voltage drops when turn the semi-fixed resistor (**V6001** and **V6002**) clockwise. DC offset voltage rises when turn the semi-fixed resistor un-clockwise. Please turn it slowly, because value of Digital Voltage Meter changes slowly.

6. Although after-adjustment DC offset voltage has some change, Please check that the range of DC offset voltage between **L ch** (**R ch**) **"+"** and **L ch** (**R ch**) **"-"** terminal of SPEAKERS SYSTEM A is **"0 mV ± 20 mV"**. CHART OF FACTORY MODE.

Idling Current Adjustment



1. After DC Offset Voltage Adjustment is completed, adjust the Idling Current with the variable resistor **V7001** and **V7002** on the PCB **P2**(**8U-110150-2**).

2. Turn off the power.

3. **"+"** of Connect Digital Voltage is connected to the No. 1 pin and connected **"–"** to No. 2 pin of **N7007**.

4. **"+"** of Connect Digital Voltage is connected to the No. 1 pin and connected **"–"** to No. 2 pin of **N7008**.

5. Before turning on the power, **V7001** and **V7002** have been counter clockwise turned with the adjustment driver.

6. Turn on the power, **VOLUME** is set as **-∞**.

7. After 1 minutes, with seeing the digital voltage meter turn the variable resister clockwise slowly to adjust the idling current.
   - Idling adjustment with **V7001 (V7002)**.
   - Turn **V7001 (V7002)** clockwise to increase the idling current.
   - The adjustment value of idling current is "**10 mV**(**50 mA**) **± 0.5 mV**(**2.5 mA**)" each. ⚠4

8. After 5 minutes, repeat the same procedure as **7**. ⚠4
   - Turn **V7001 (V7002)** clockwise to increase the idling current.
   - The adjustment value of idling current is "**17 mV**(**85 mA**) **± 0.5 mV**(**2.5 mA**)" each. ⚠4

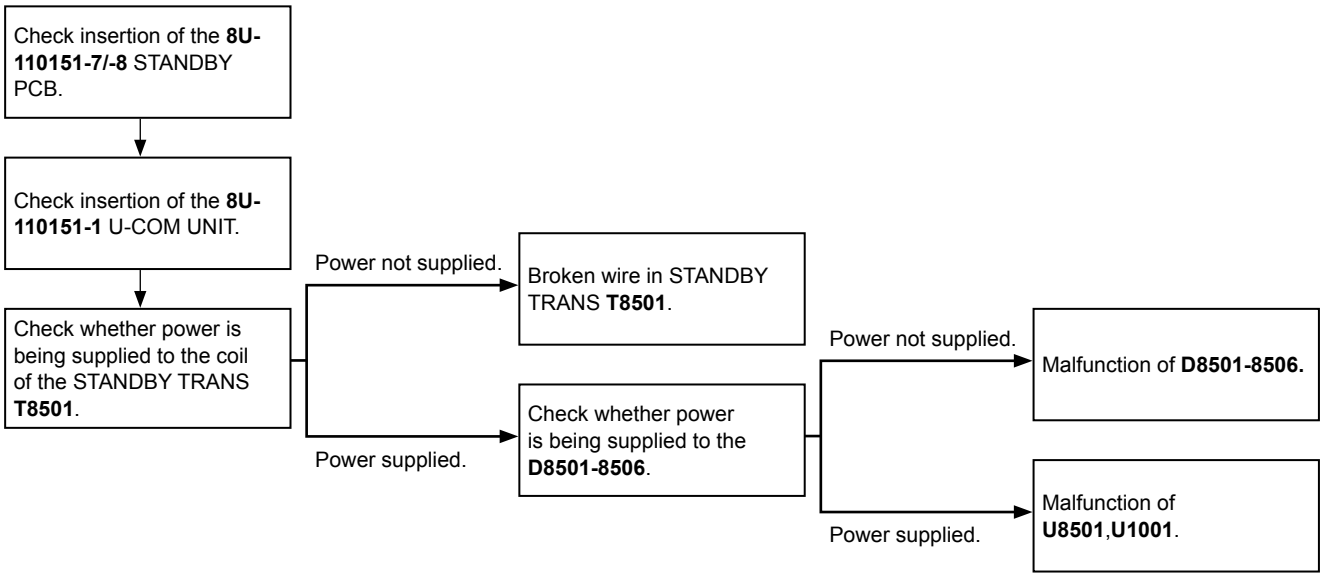
   Adjustment is completed.

9. Remove connection cable, attach the top cover.

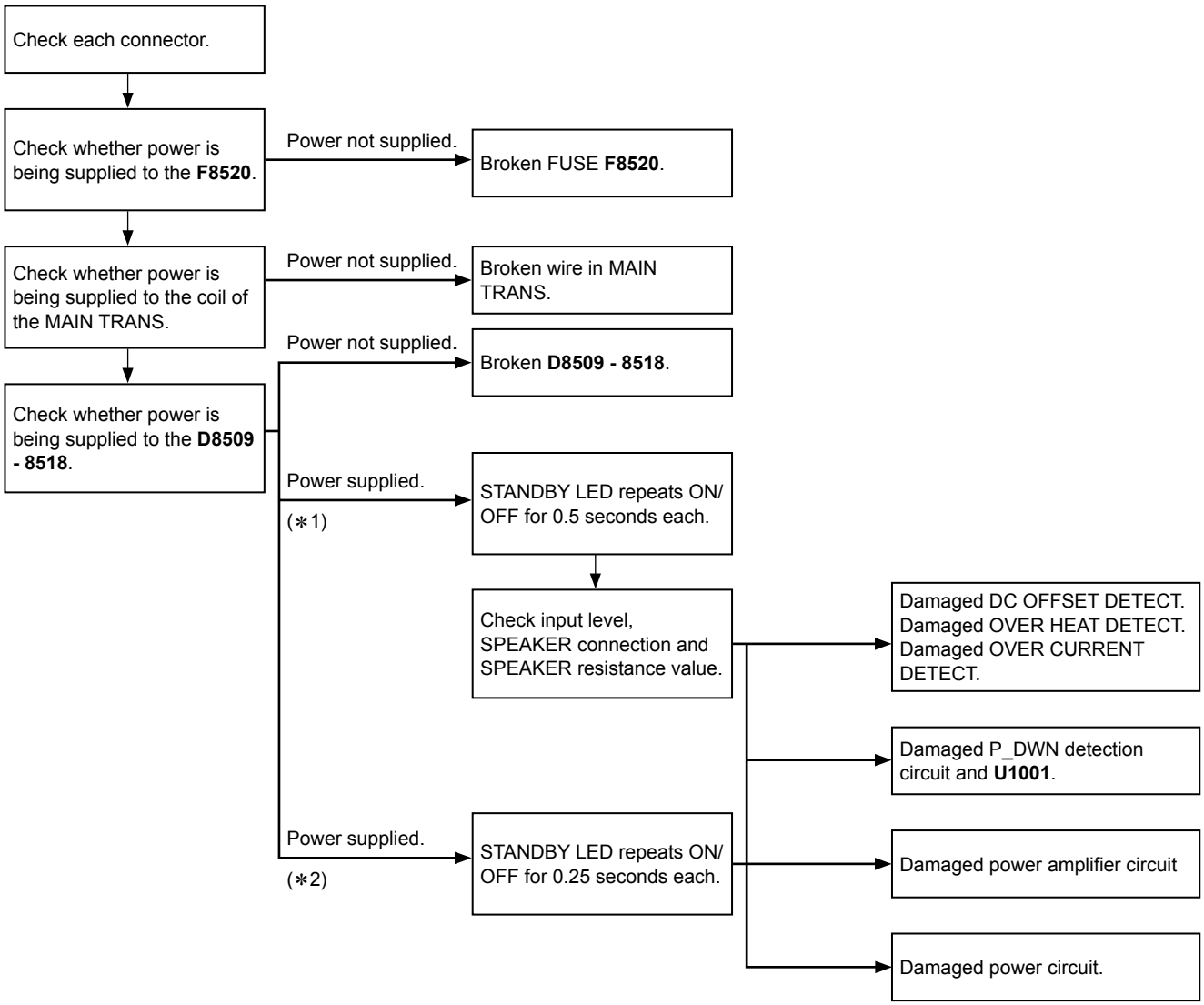
NOTE : Idling current decreases with the temperature rise inside the unit, and it is set to **"14 mV (70mA)"** of setting value in about 30 minutes after turn on the power. ⚠4

TROUBLE SHOOTING

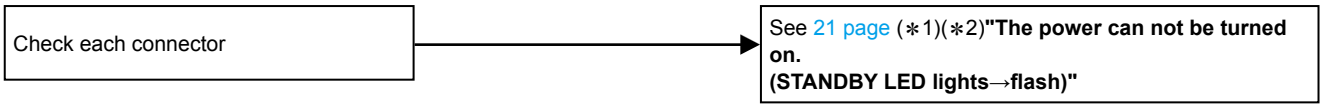
1. The power can not be turned on. (STANDBY LED does not light (STANDBY MODE))



2. The power can not be turned on. (STANDBY LED lights → flash)



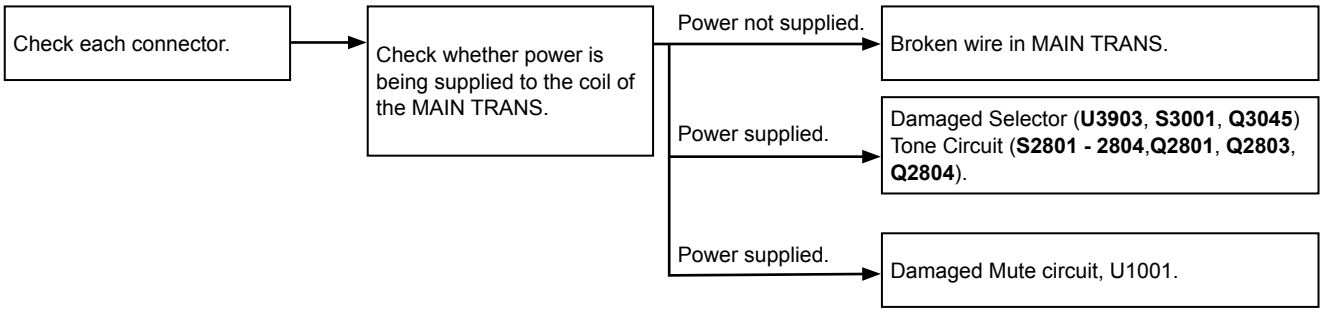
3. STANDBY LED FLASHES WHILE USING UNIT (PROTECTION CIRCUIT IS SET)



4. The power turned on, but a sound does not output normally.

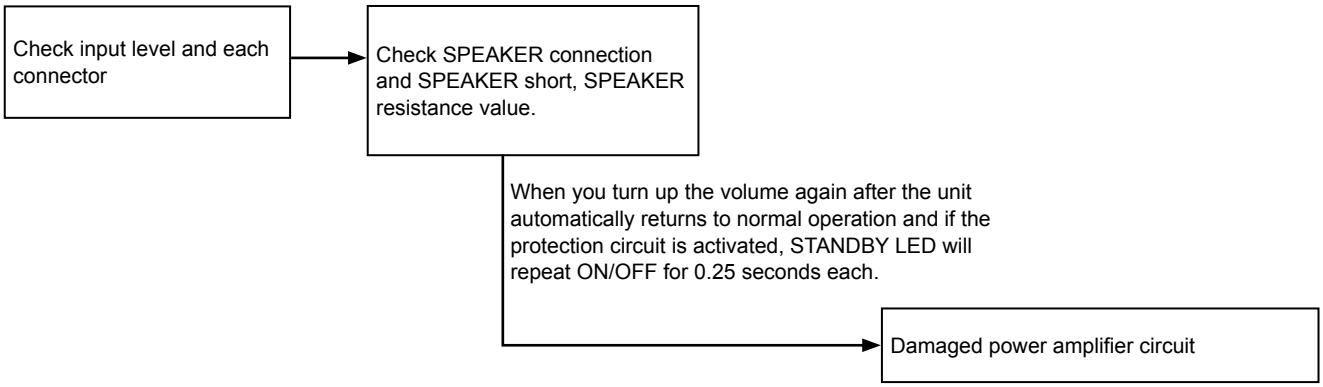
(Both channels)

4.1 STANDBY LED does not flash (protection mode is not set)

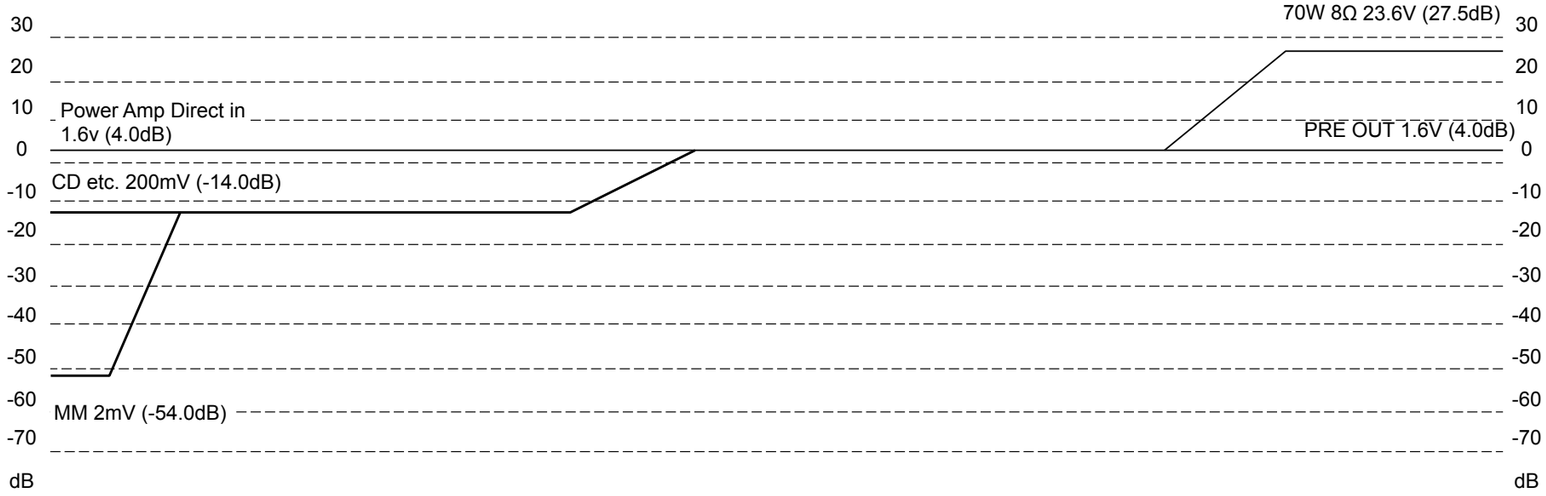


4.2 When the volume is turned up, Mute LED flashes. (protection mode is set)

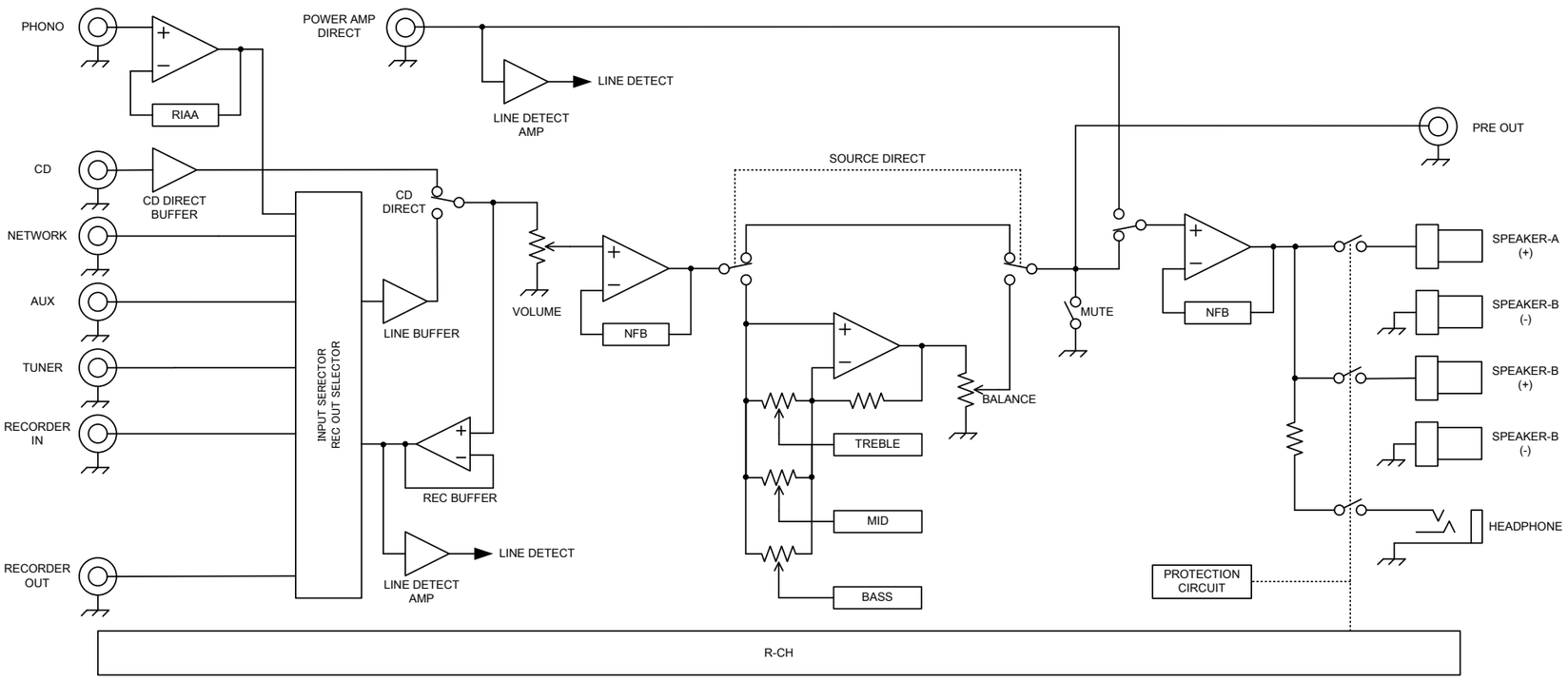
Repeats ON/OFF for 0.5 second each, and automatically returns to normal operation.



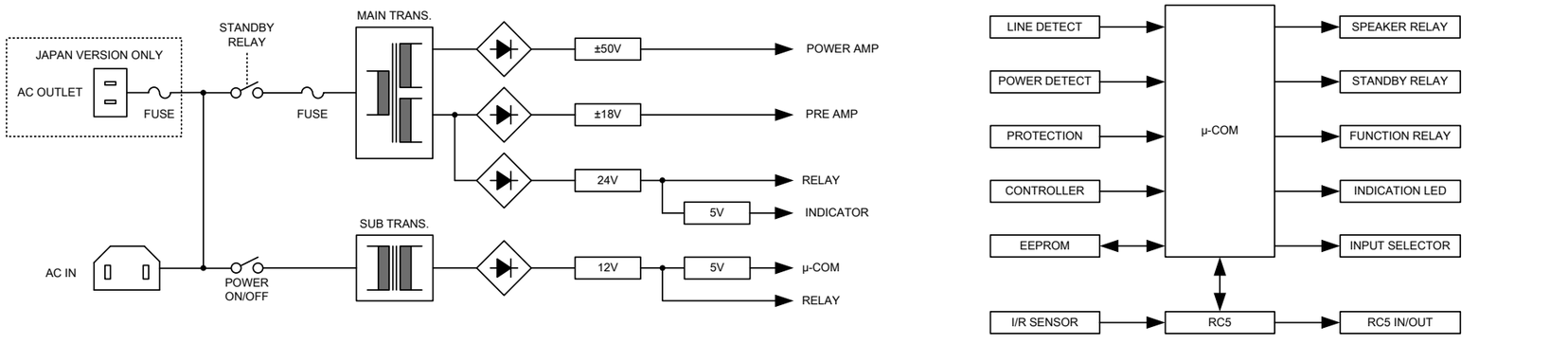
LEVEL DIAGRAM



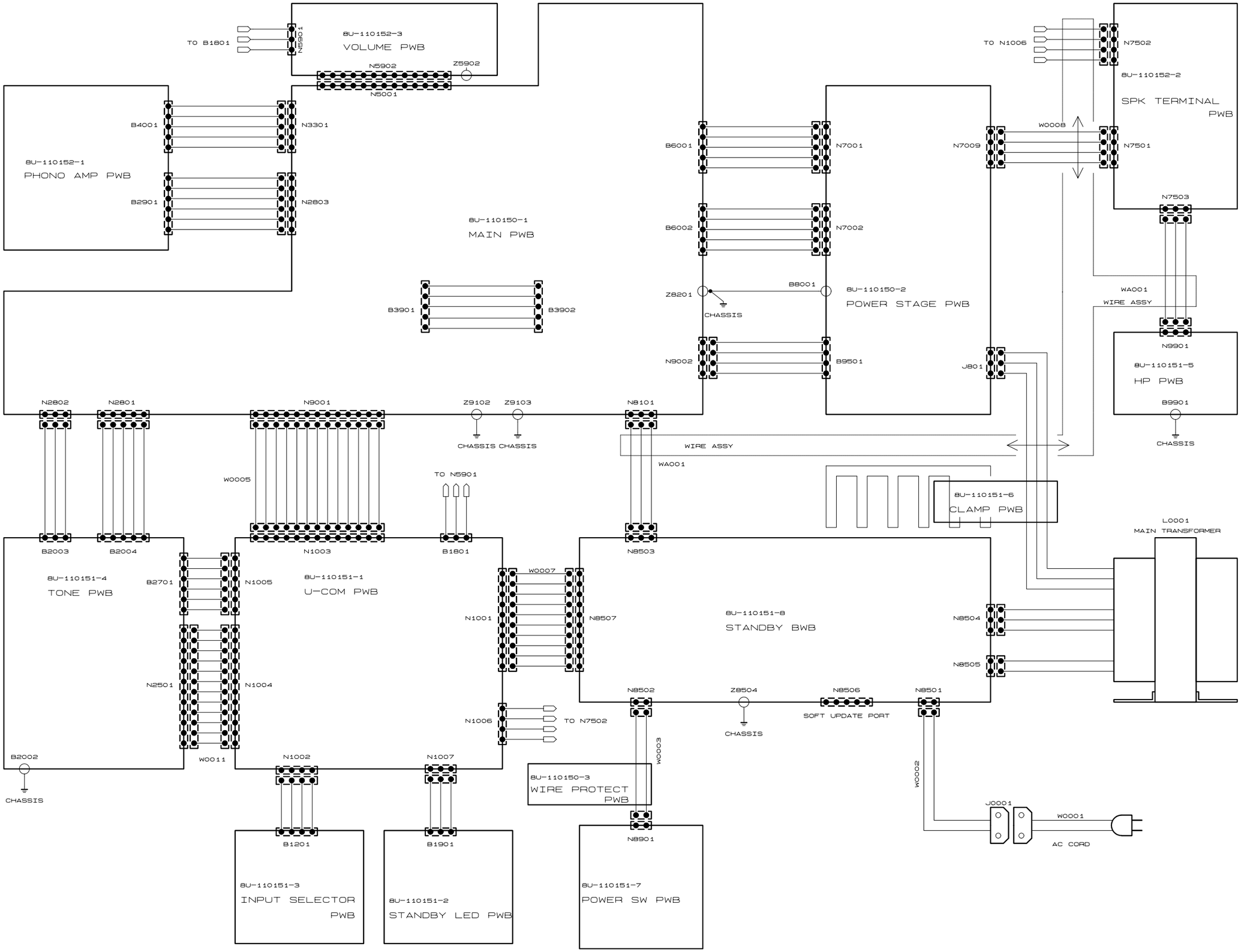
BLOCK DIAGRAM



POWER DIAGRAM



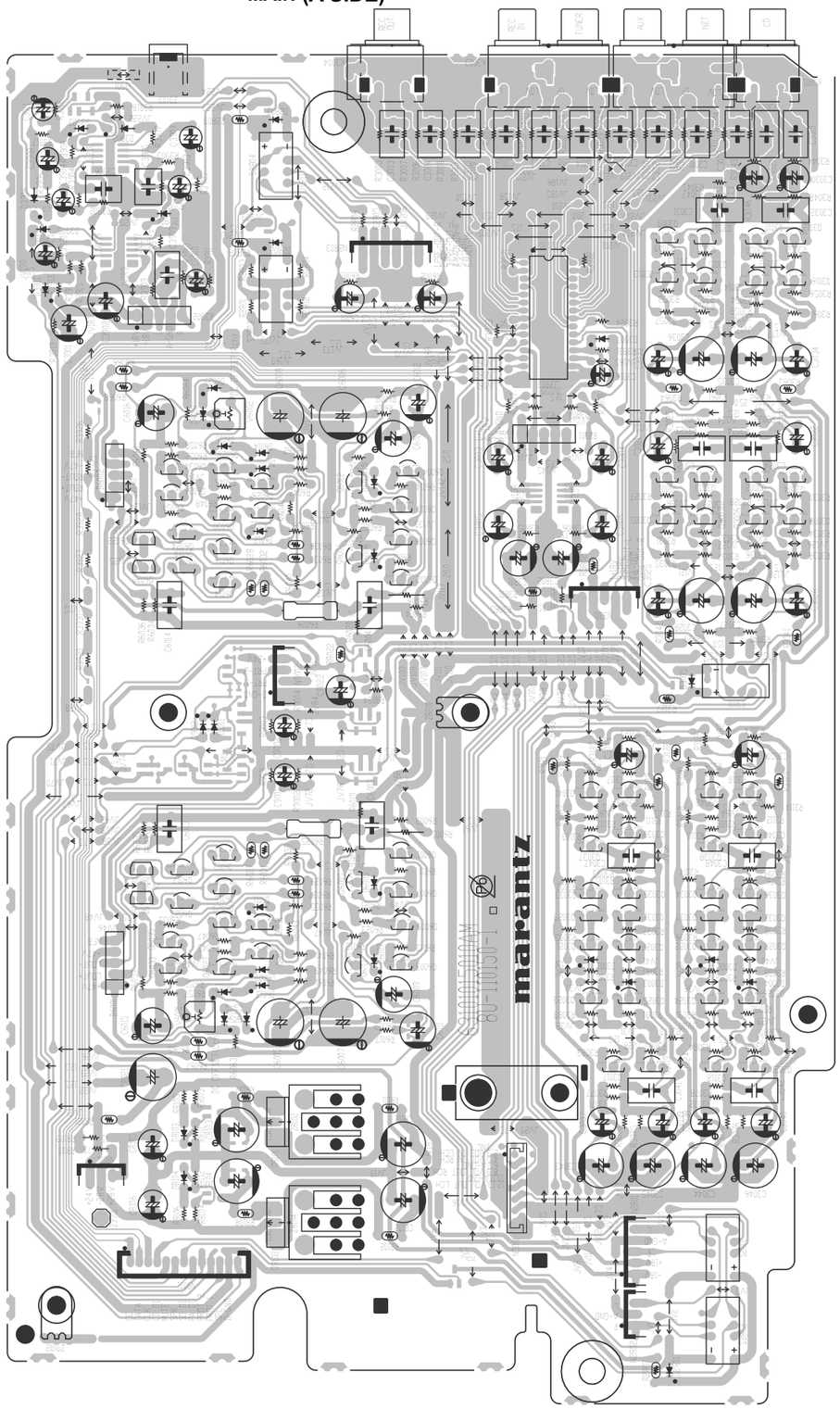
WIRING DIAGRAM



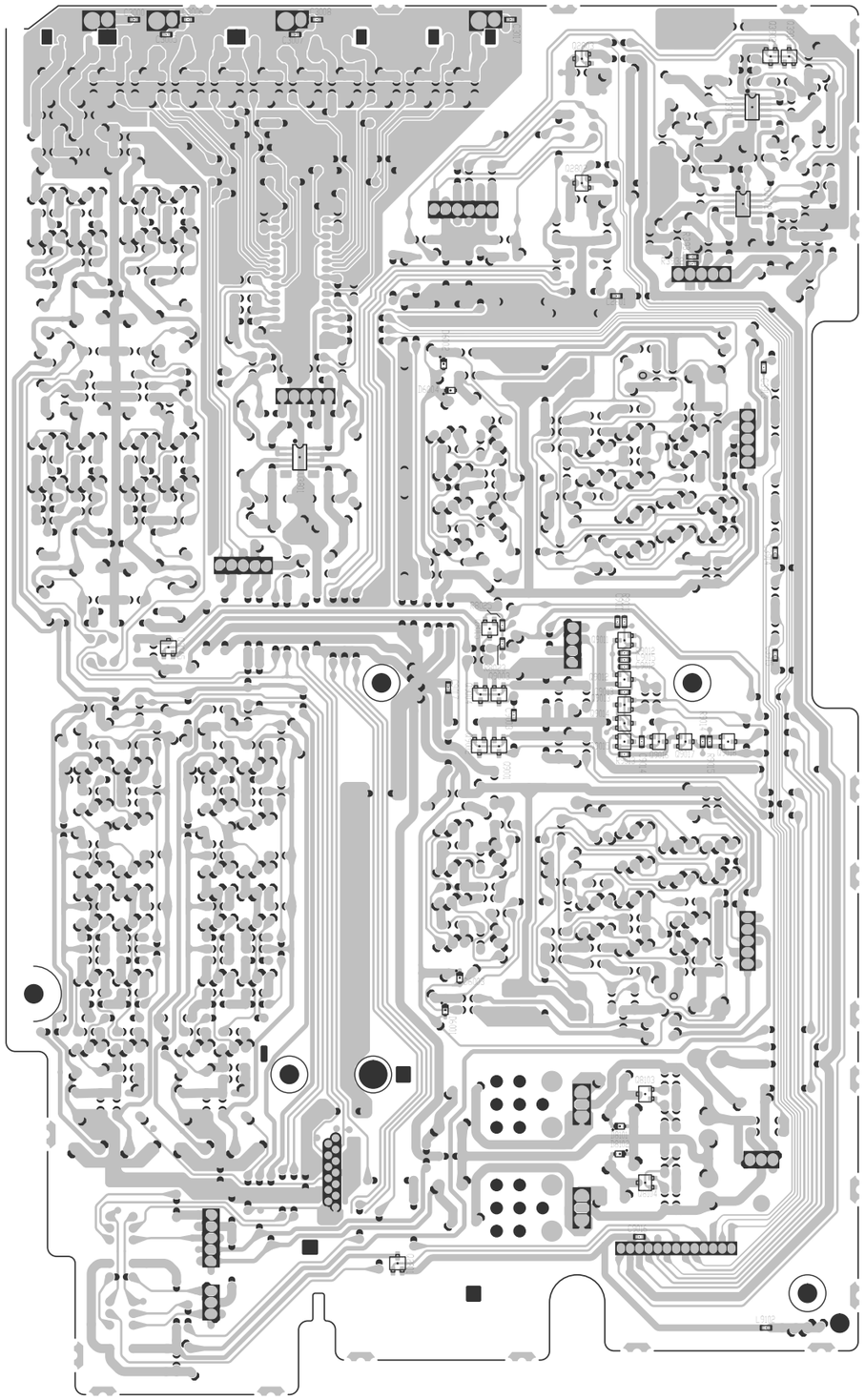
PRINTED CIRCUIT BOARDS

Lead-free Solder
When soldering, use the Lead-free Solder (Sn-Ag-Cu).

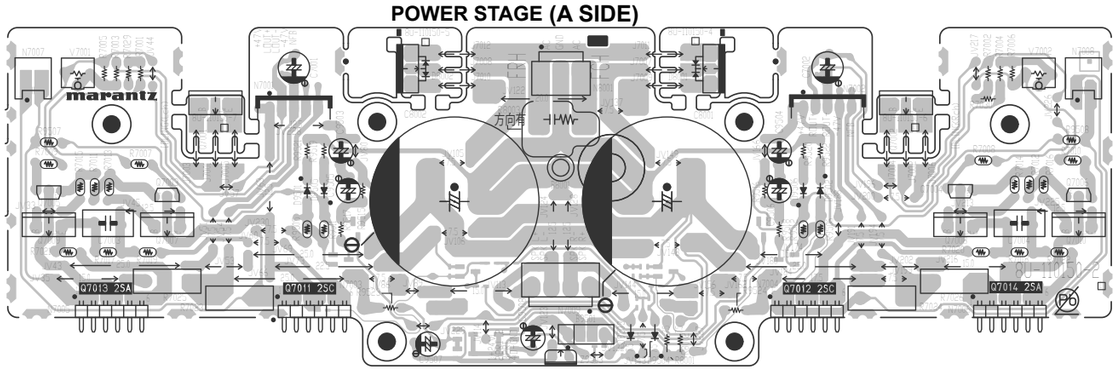
MAIN (A SIDE)



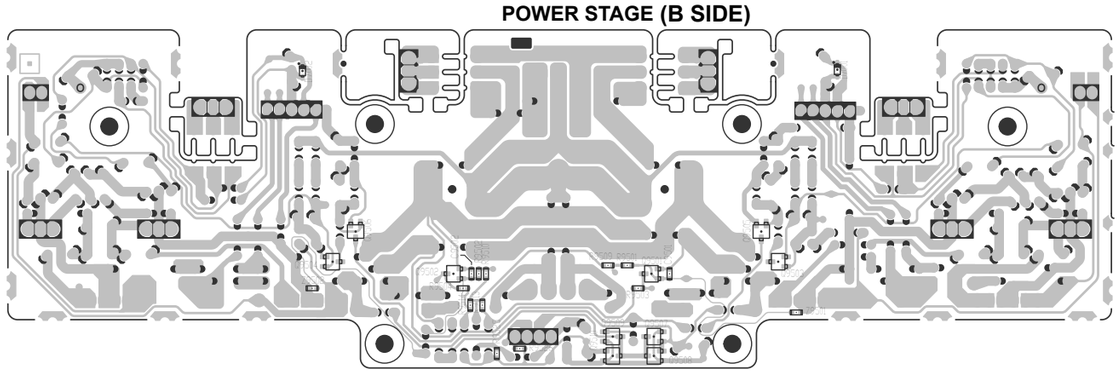
MAIN (B SIDE)



POWER STAGE (A SIDE)



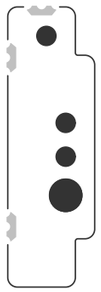
POWER STAGE (B SIDE)



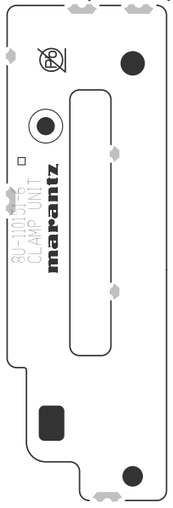
④ PM8005N1B : Until the serial No.1500 1427 001464
PM8005N1SG : Until the serial No.1500 1449 000915
PM8005FN : Until the serial No.1500 1446 001000
PM8005U1B : Until the serial No.1500 1441 000750
PM8005K1B : Until the serial No.1500 1503 000300

WIRE PROTECTION (A SIDE)

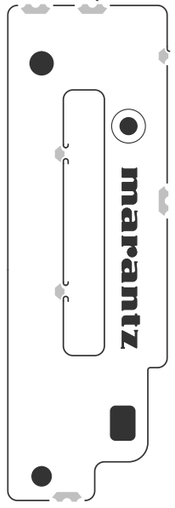
WIRE PROTECTION (B SIDE)



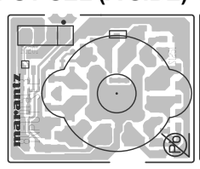
CLAMP (A SIDE)



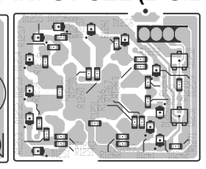
CLAMP (B SIDE)



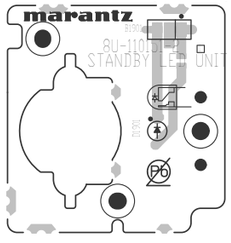
INPUT SEL (A SIDE)



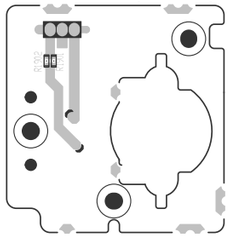
INPUT SEL (B SIDE)



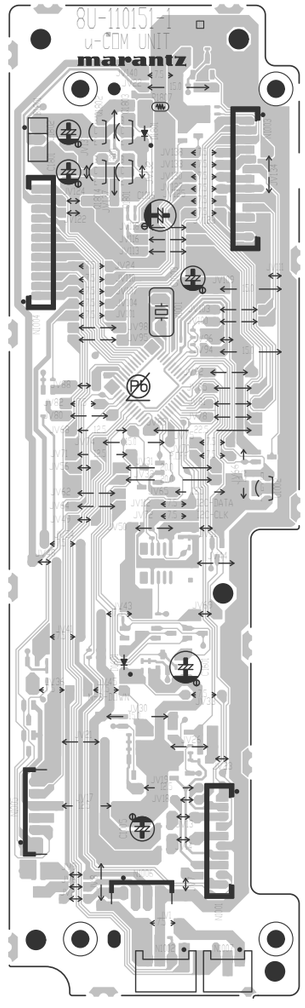
STANDBY LED (A SIDE)



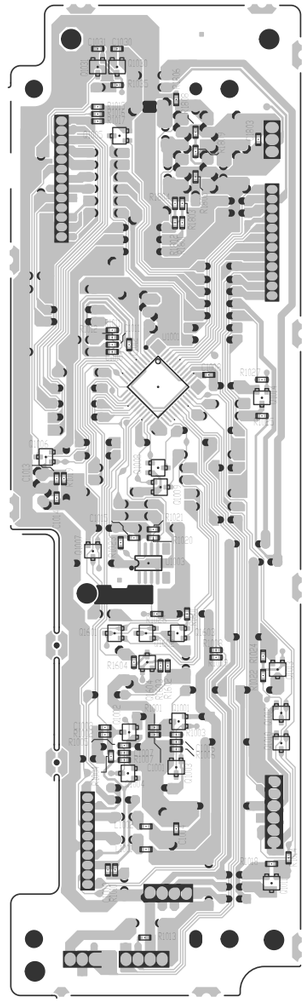
INPUT SEL (B SIDE)



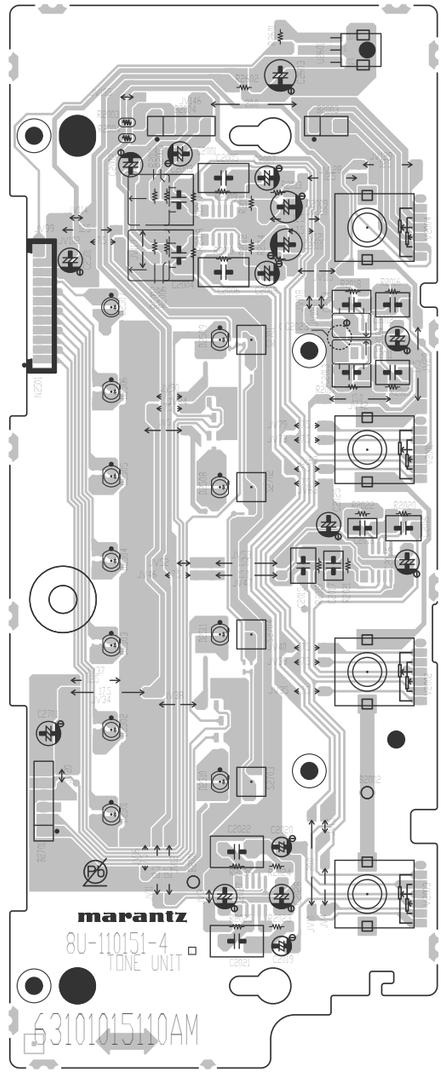
u-COM (A SIDE)



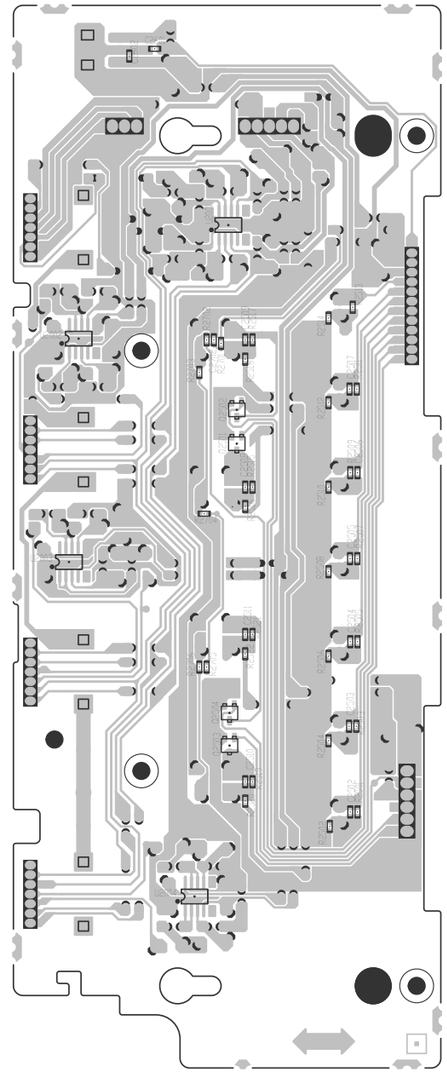
u-COM (B SIDE)



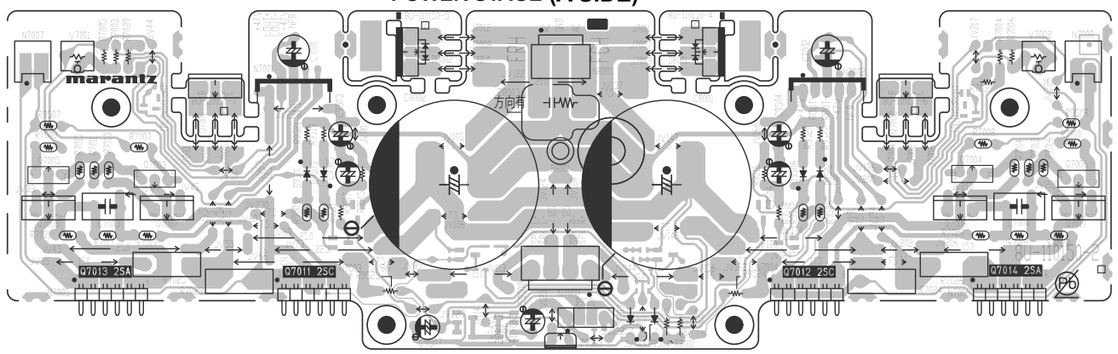
TONE (A SIDE)



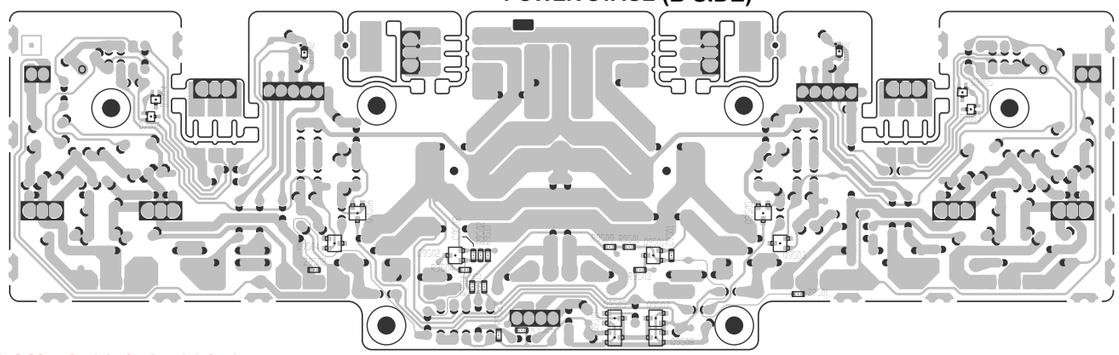
TONE (B SIDE)



POWER STAGE (A SIDE)

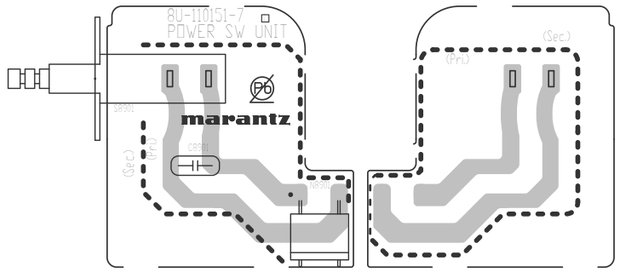


POWER STAGE (B SIDE)



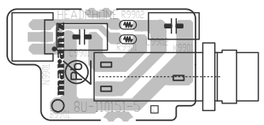
△4 PM8005N1B : From the serial No.1500 1427 001465
PM8005N1SG : From the serial No.1500 1449 000916
PM8005FN : From the serial No.1500 1446 001001
PM8005U1B : From the serial No.1500 1441 000751
PM8005K1B : From the serial No.1500 1503 000301

POWER SW (A SIDE)

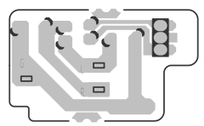


POWER SW (B SIDE)

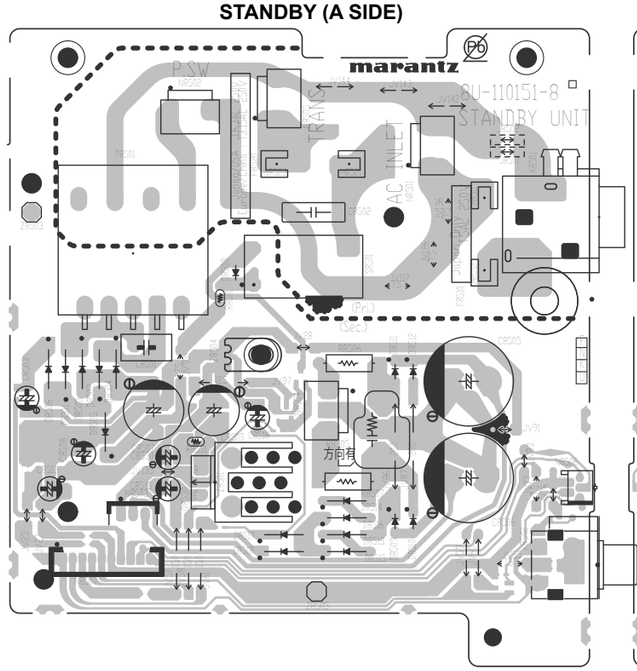
HEADPHONE (A SIDE)



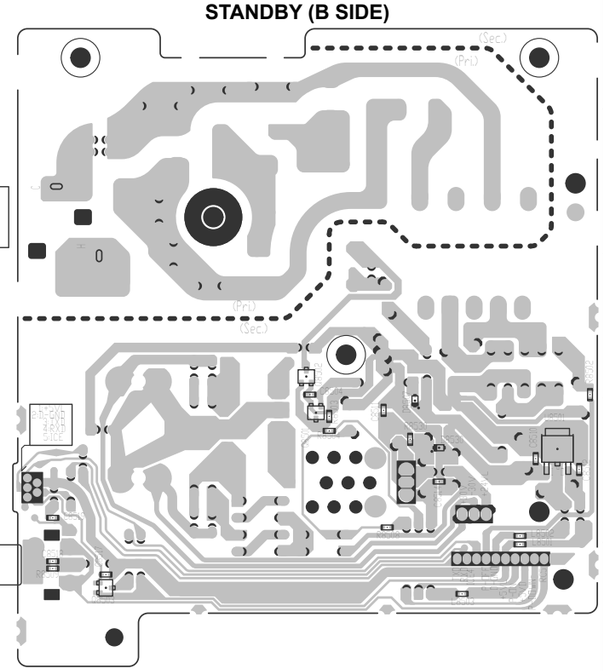
HEADPHONE (B SIDE)



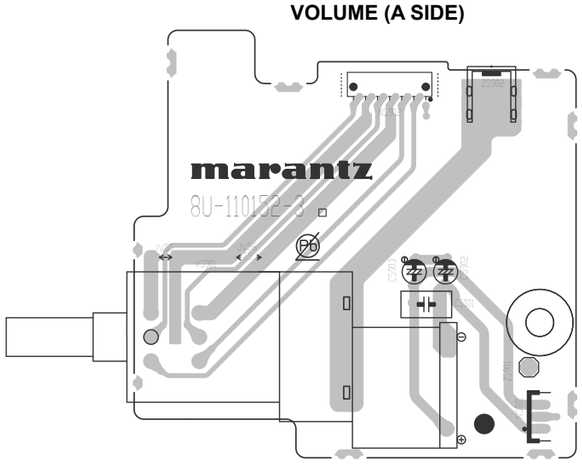
STANDBY (A SIDE)



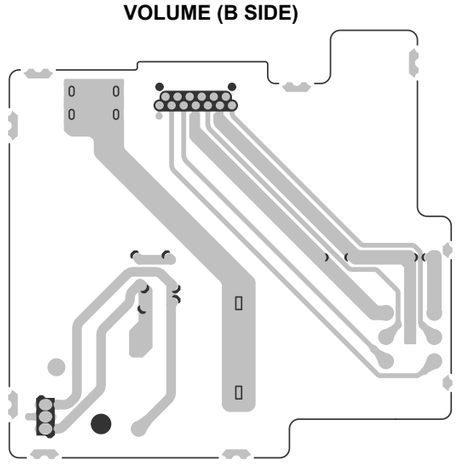
STANDBY (B SIDE)



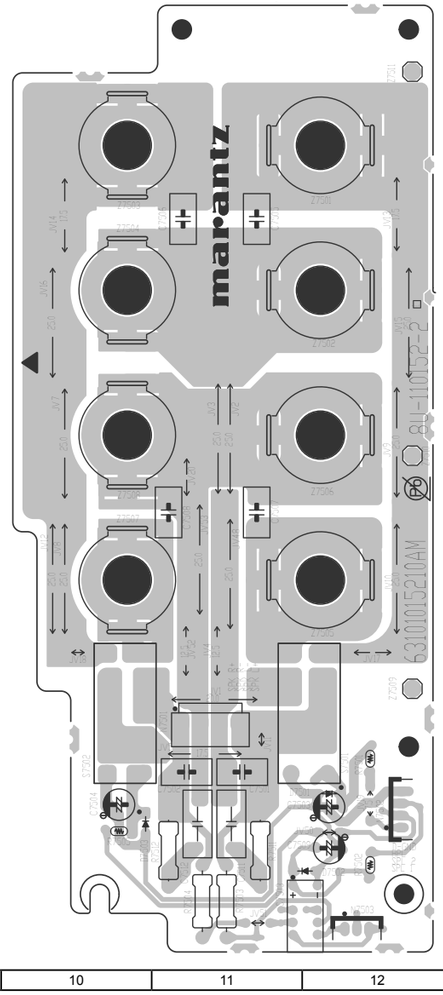
VOLUME (A SIDE)



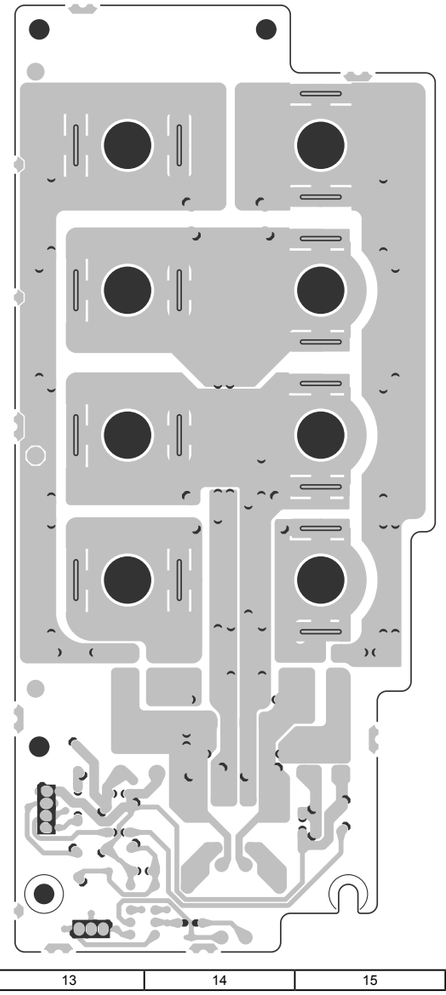
VOLUME (B SIDE)



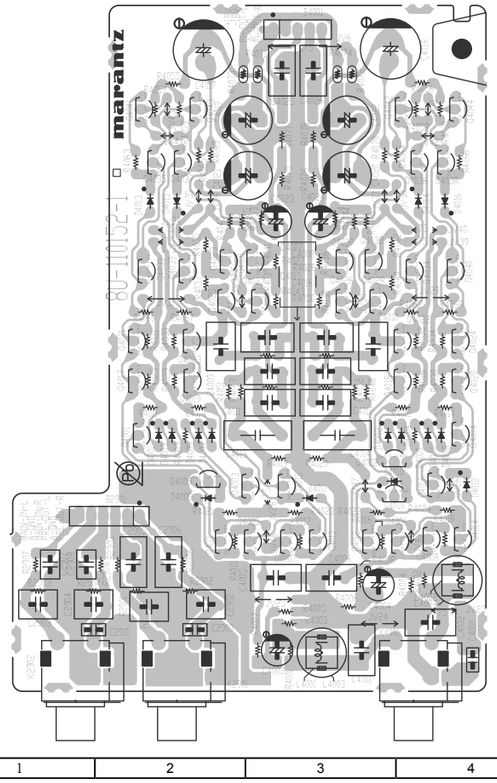
SPK TERMINAL (A SIDE)



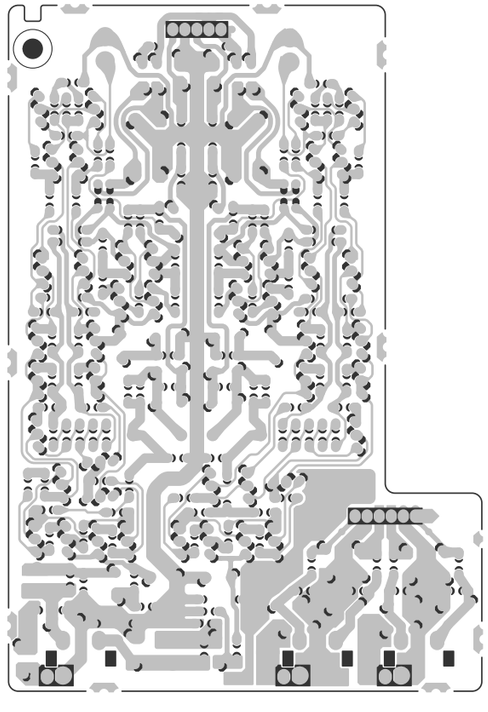
SPK TERMINAL (B SIDE)

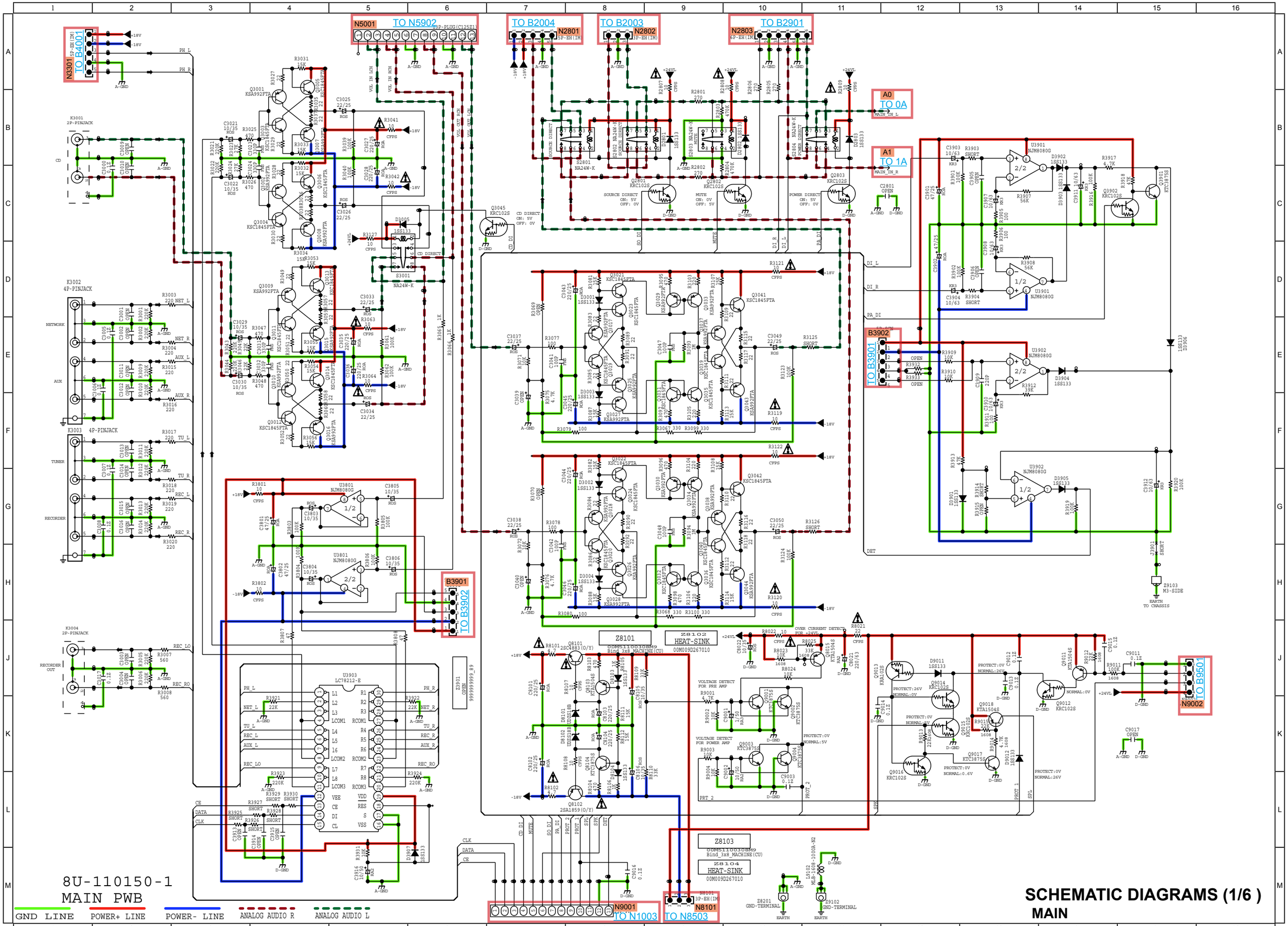


PHONO AMP (A SIDE)



PHONO AMP (B SIDE)




N3301
5P-EH(1M)
TO B4001
PH_L
PH_R
K3001
2P-PINJACK
CD
K3002
4P-PINJACK
NETWORK
NET_L
NET_R
AUX
AUX_L
AUX_R
K3003
4P-PINJACK
TUNER
RECORDER
TU_L
TU_R
REC_L
REC_R
K3004
2P-PINJACK
RECORDER OUT
REC_LO
REC_RO
N5001
TO N5902
15P-PLUG(C12521)
VOL IN LCH
VOL IN RCH
VOL OUT LCH
VOL OUT RCH
TO B2004
TO B2003
TO B2901
N2801
N2802
N2803
5P-EH(1M)
A0
TO 0A
MAIN IN_L
A1
TO 1A
MAIN IN_R
SOURCE DIRECT
MUTE
POWER DIRECT
NA24W-K
SOURCE DIRECT ON: 5V OFF: 0V
MUTE ON: 0V OFF: 5V
POWER DIRECT ON: 5V OFF: 0V
CD DIRECT ON: 5V OFF: 0V
S3001
NA24W-K
SO_DI
MUTE
DI_R
DI_L
PA_DI
CD_DI
DI_L
DI_R
PA_DI
B3902
TO B3901
B3901
TO B3902
U3903
LC78212-E
PH_L
PH_R
NET_L
NET_R
TU_L
TU_R
REC_L
REC_R
AUX_L
AUX_R
REC_LO
REC_RO
CE
DATA
CLK
U3801
NJM8080G
Z8101
HEAT-SINK
00M009D267010
Z8102
HEAT-SINK
00M009D267010
Z8103
Z8104
HEAT-SINK
00M009D267010
N9001
TO N1003
N8101
TO N8503
N9002
TO B9501
Z9102
GND-TERMINAL
Z9103
M3-SIDE
EARTH
TO CHASSIS
8U-110150-1
MAIN PWB
GND LINE
POWER+ LINE
POWER- LINE
ANALOG AUDIO R
ANALOG AUDIO L
SCHEMATIC DIAGRAMS (1/6)
MAIN

4 PM8005N1B : Until the serial No.1500 1427 001464
PM8005N1SG : Until the serial No.1500 1449 000915
PM8005FN : Until the serial No.1500 1446 001000
PM8005U1B : Until the serial No.1500 1441 000750
PM8005K1B : Until the serial No.1500 1503 000300

8U-110150-1
MAIN PWB

8U-110150-2
POWER STAGE PWB

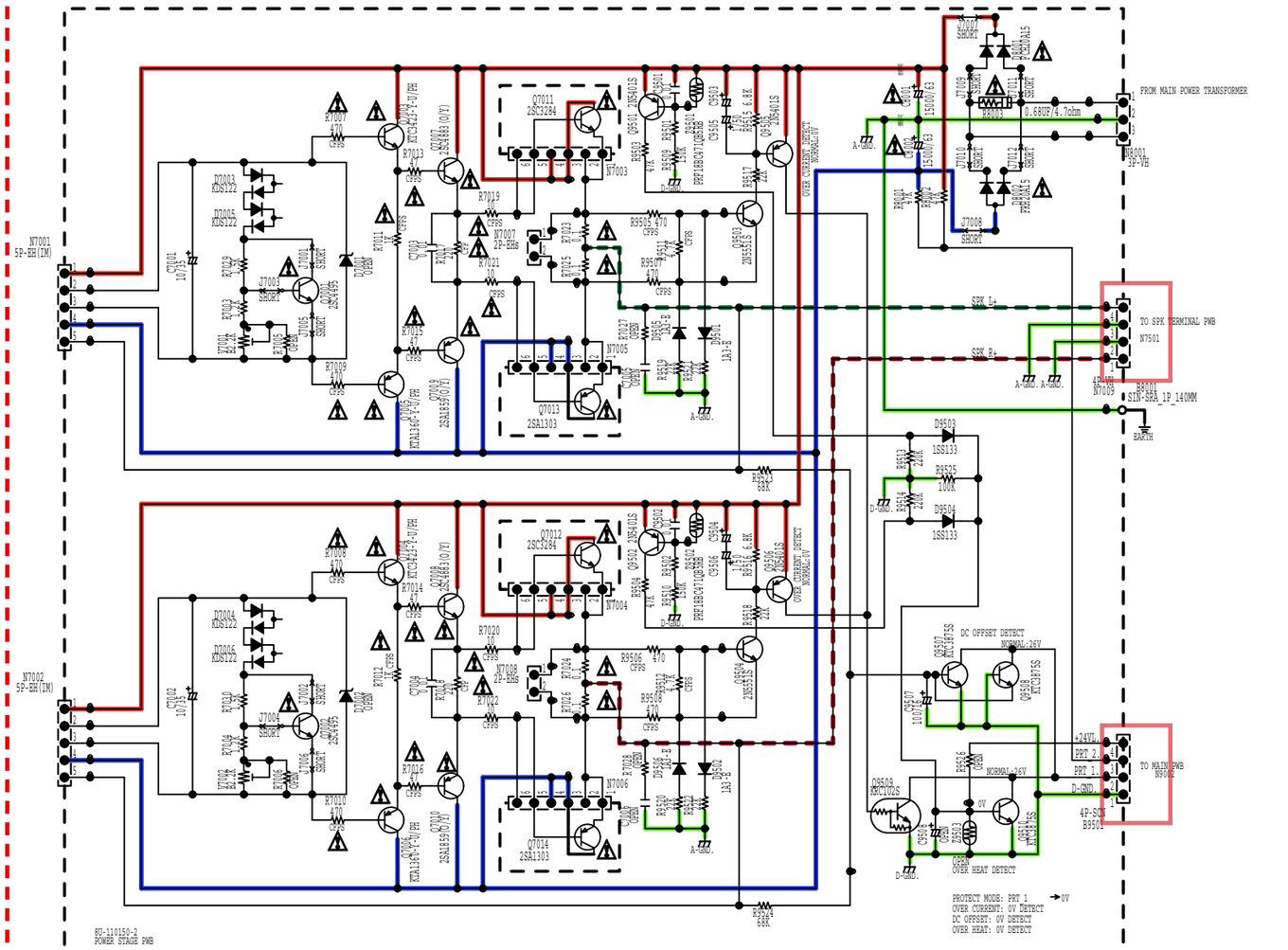
8U-110150-3
WIRE PROTECTION PWB

SCHEMATIC DIAGRAMS (2-1/6) 4

MAIN / POWER STAGE 1/2

GND LINE POWER+ LINE POWER- LINE ANALOG AUDIO R ANALOG AUDIO L

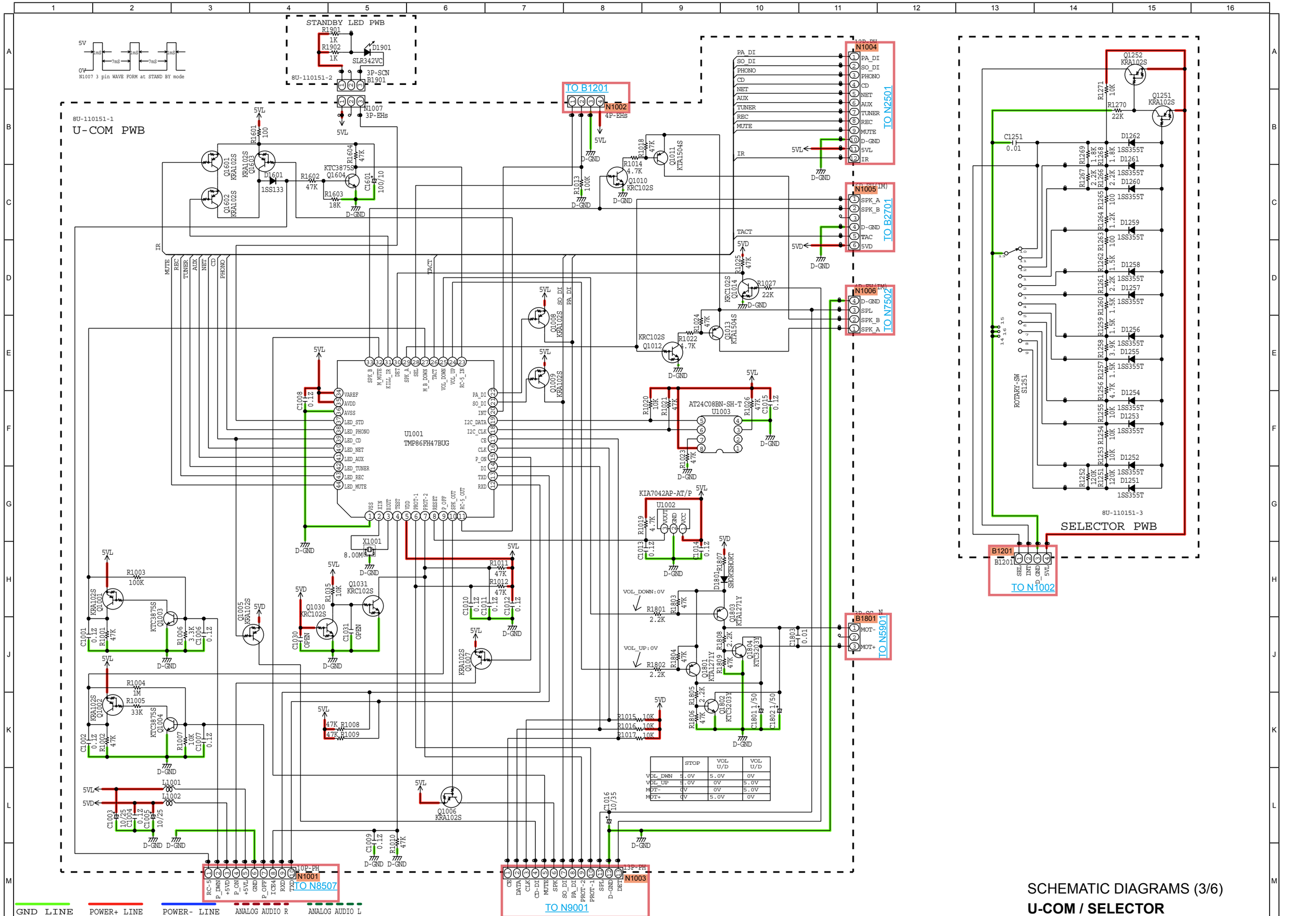
4 **PM8005N1B : From the serial No.1500 1427 001465**
PM8005N1SG : From the serial No.1500 1449 000916
PM8005FN : From the serial No.1500 1446 001001
PM8005U1B : From the serial No.1500 1441 000751
PM8005K1B : From the serial No.1500 1503 000301



GND LINE POWER+ LINE POWER- LINE ANALOG AUDIO R ANALOG AUDIO L

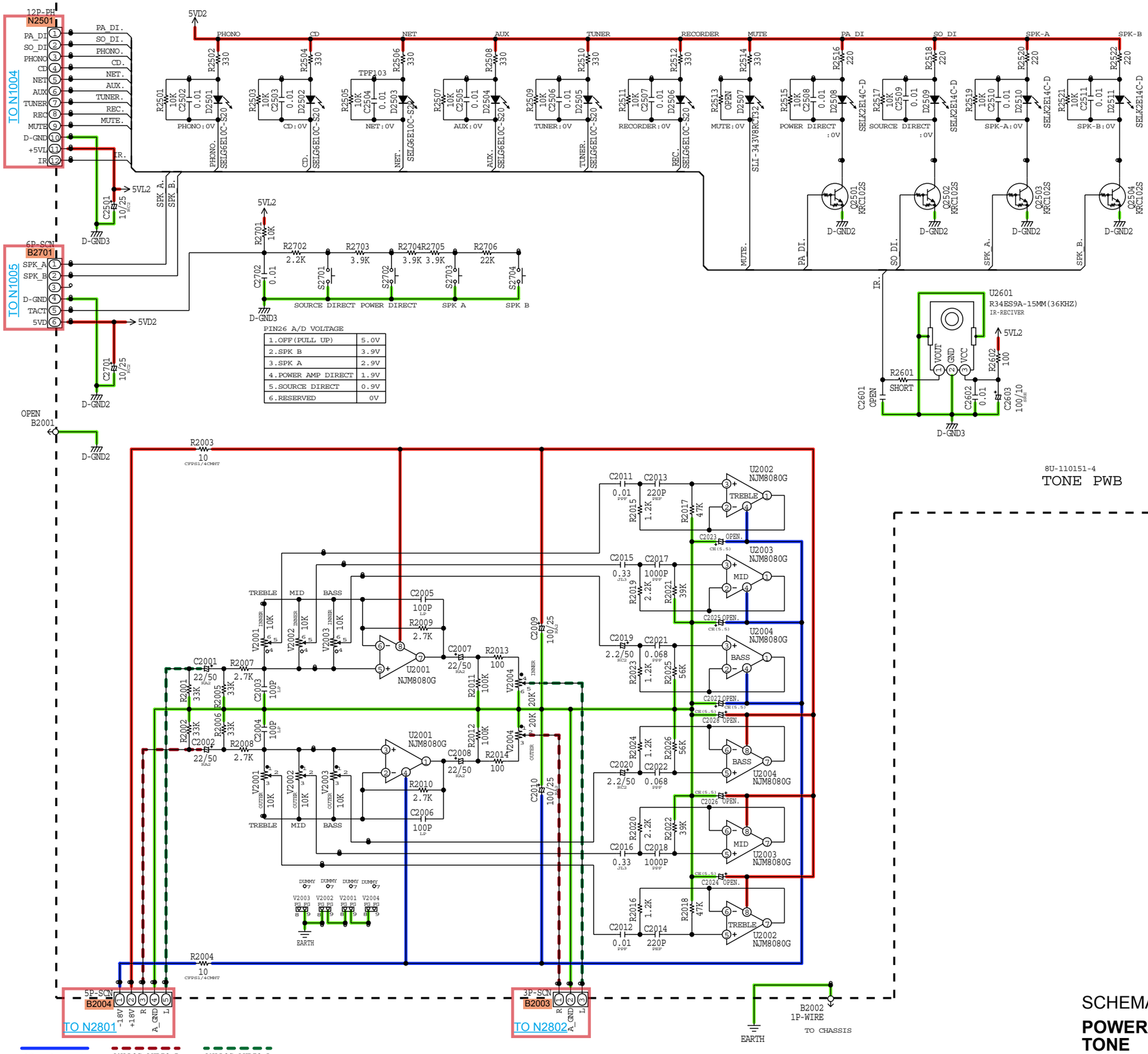
SCHEMATIC DIAGRAMS (2-2/6) 4

MAIN / POWER STAGE 2/2



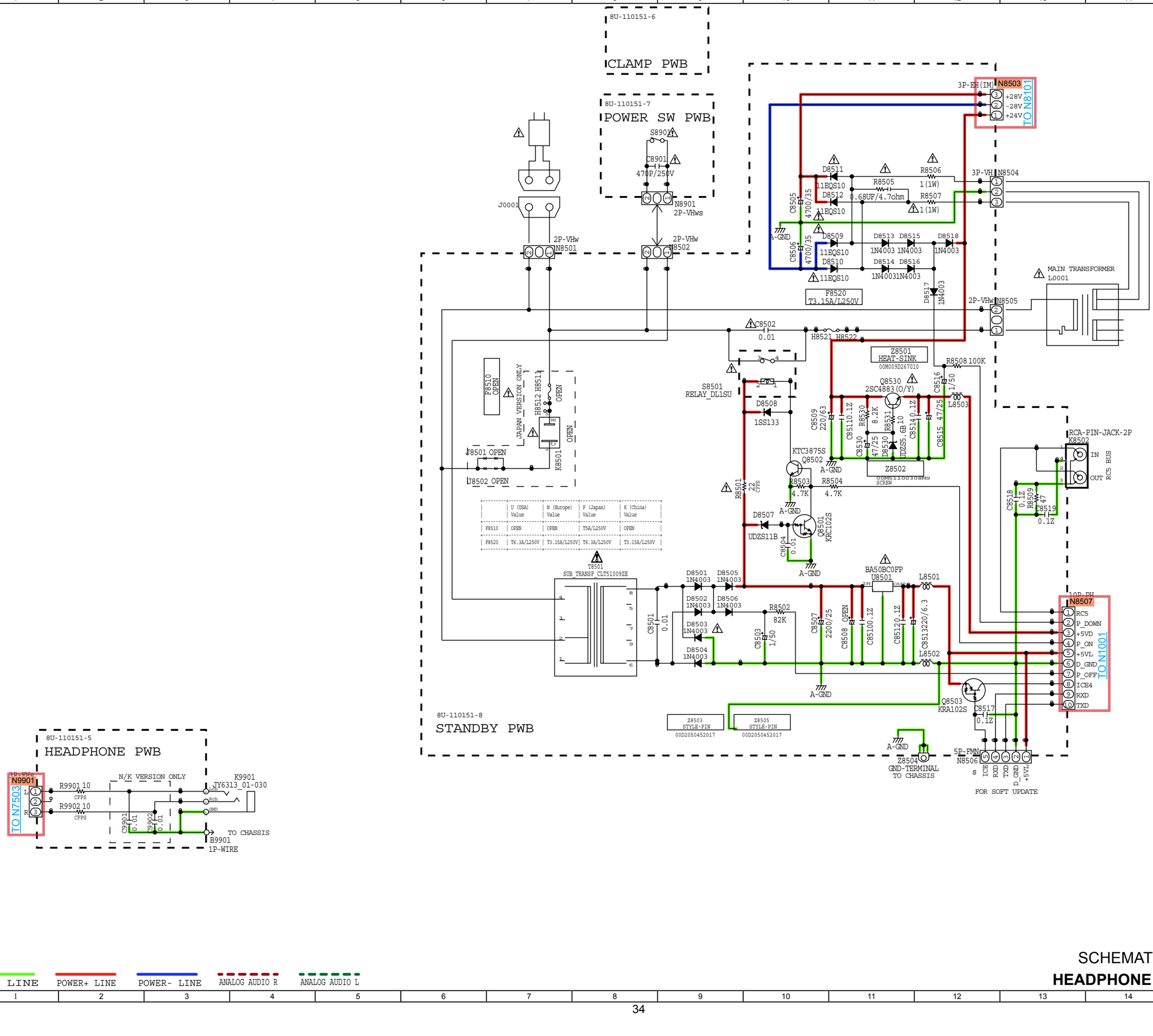
SCHEMATIC DIAGRAMS (3/6)

U-COM / SELECTOR



SCHEMATIC DIAGRAMS (4/6)

POWER AMP / SPK TERMINAL / TONE

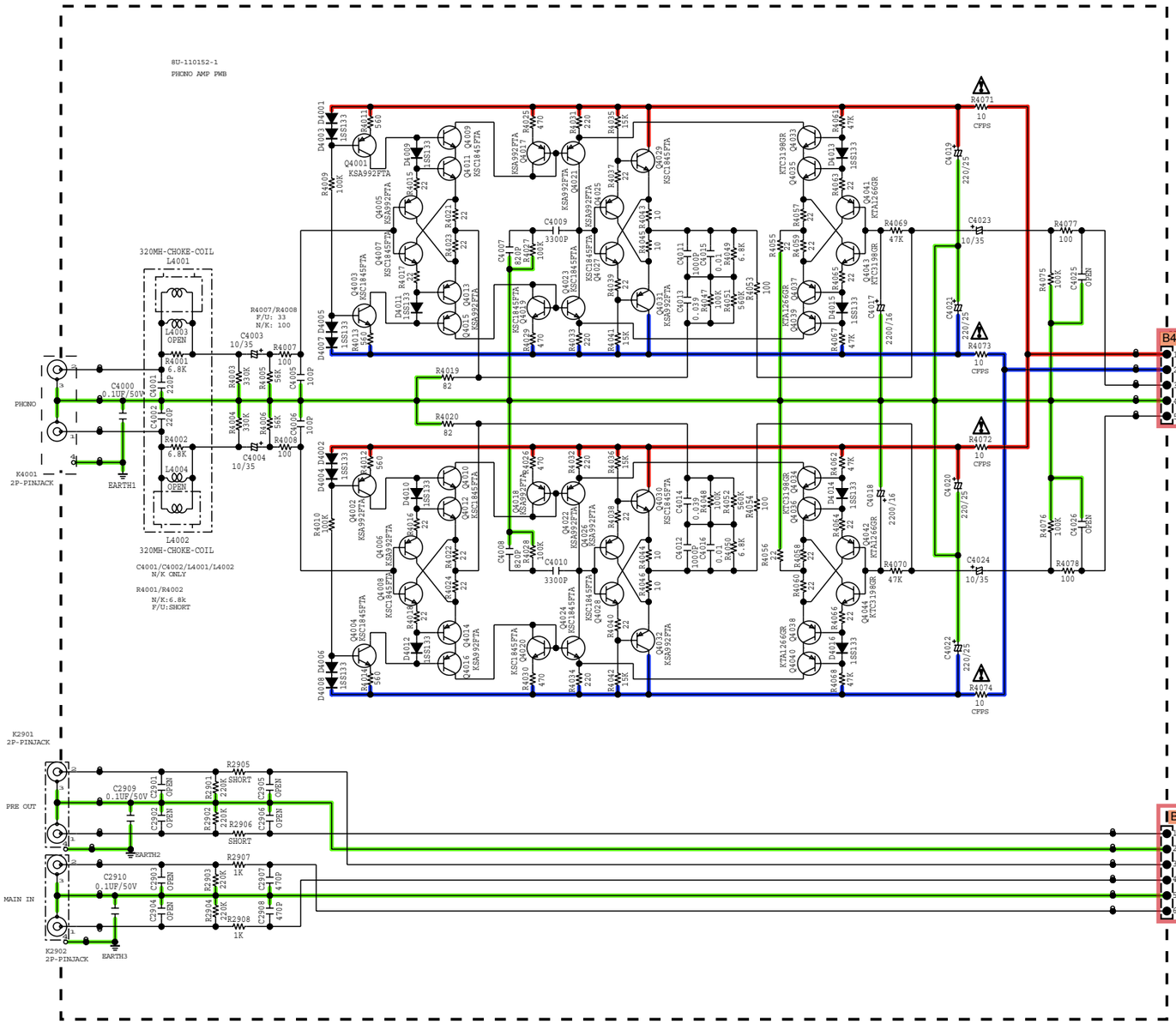


	U (USA) Value	N (Europe) Value	F (Japan) Value	K (China) Value
F8510	OPEN	OPEN	T5A/L250V	OPEN
F8520	T6.3A/L250V	T3.15A/L250V	T6.3A/L250V	T3.15A/L250V

GND LINE | POWER+ LINE | POWER- LINE | ANALOG AUDIO R | ANALOG AUDIO L

SCHEMATIC DIAGRAMS (5/6)

HEADPHONE / POWER SW / STANDBY



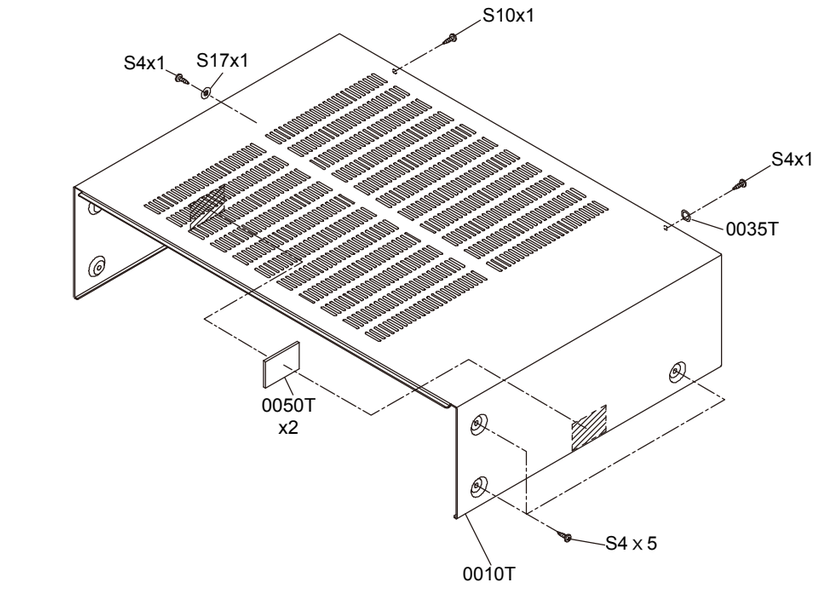
GND LINE
POWER+ LINE
POWER- LINE
ANALOG AUDIO R
ANALOG AUDIO L

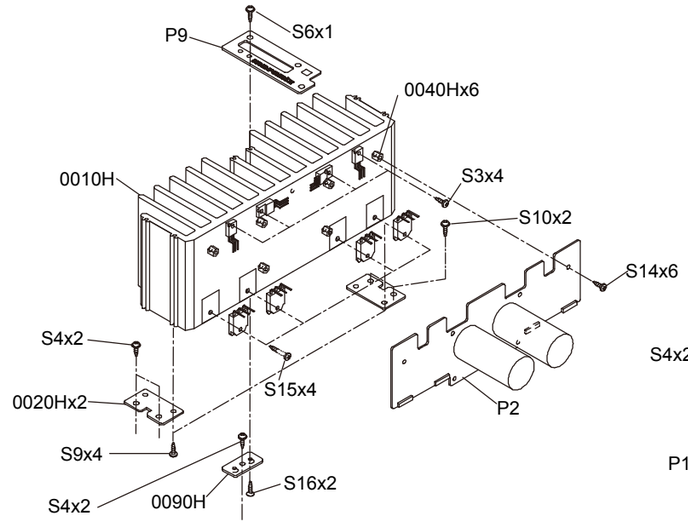
SCHEMATIC DIAGRAMS (6/6)

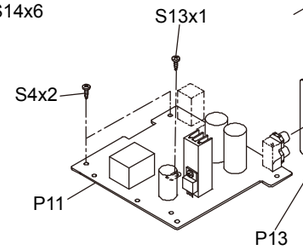
PHONO AMP / SPK TERMINAL / VOLUMERECT

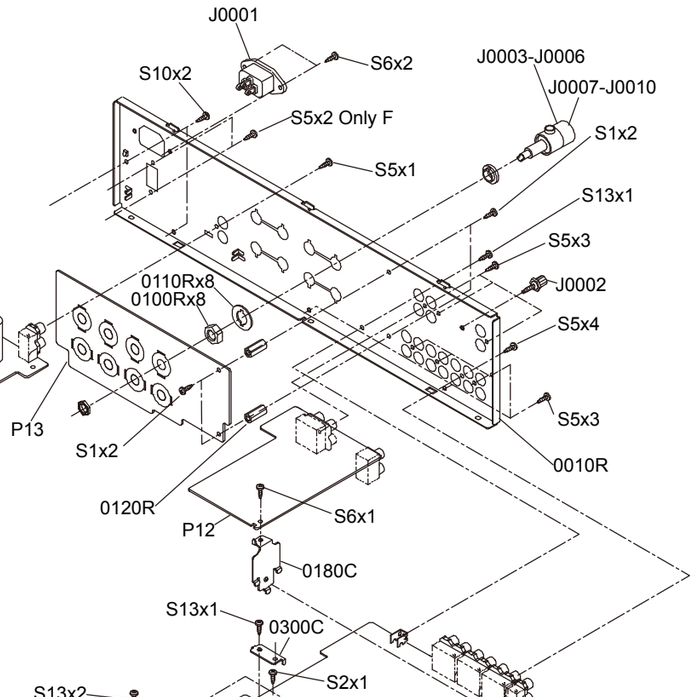
EXPLODED VIEW

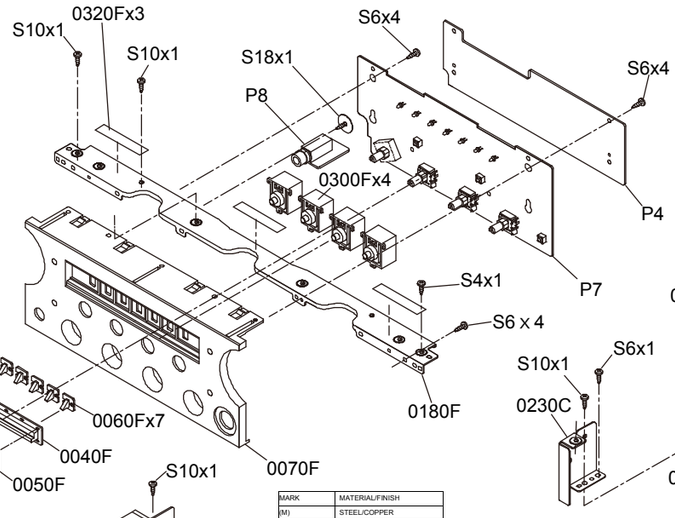
Please see the last chapter for the part list.

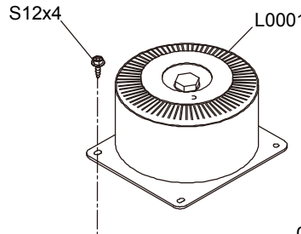


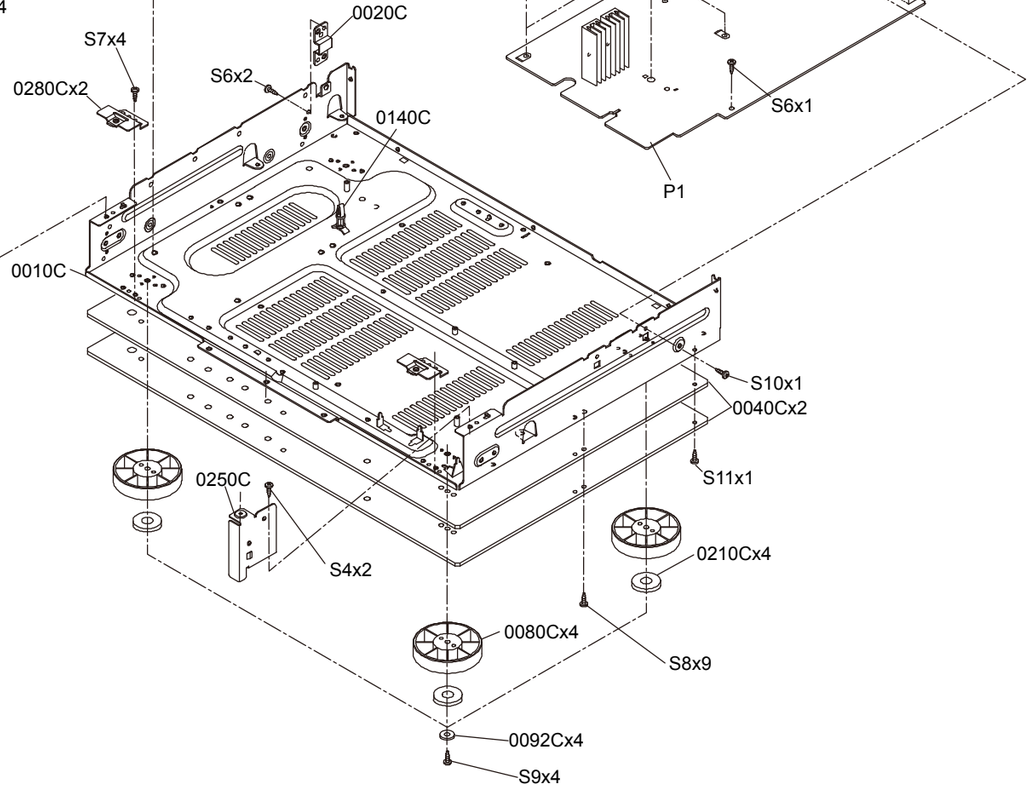












MARK	MATERIAL/FINISH
(M)	STEEL/COPPER
(U)	STEEL/BLACK CHROMATE

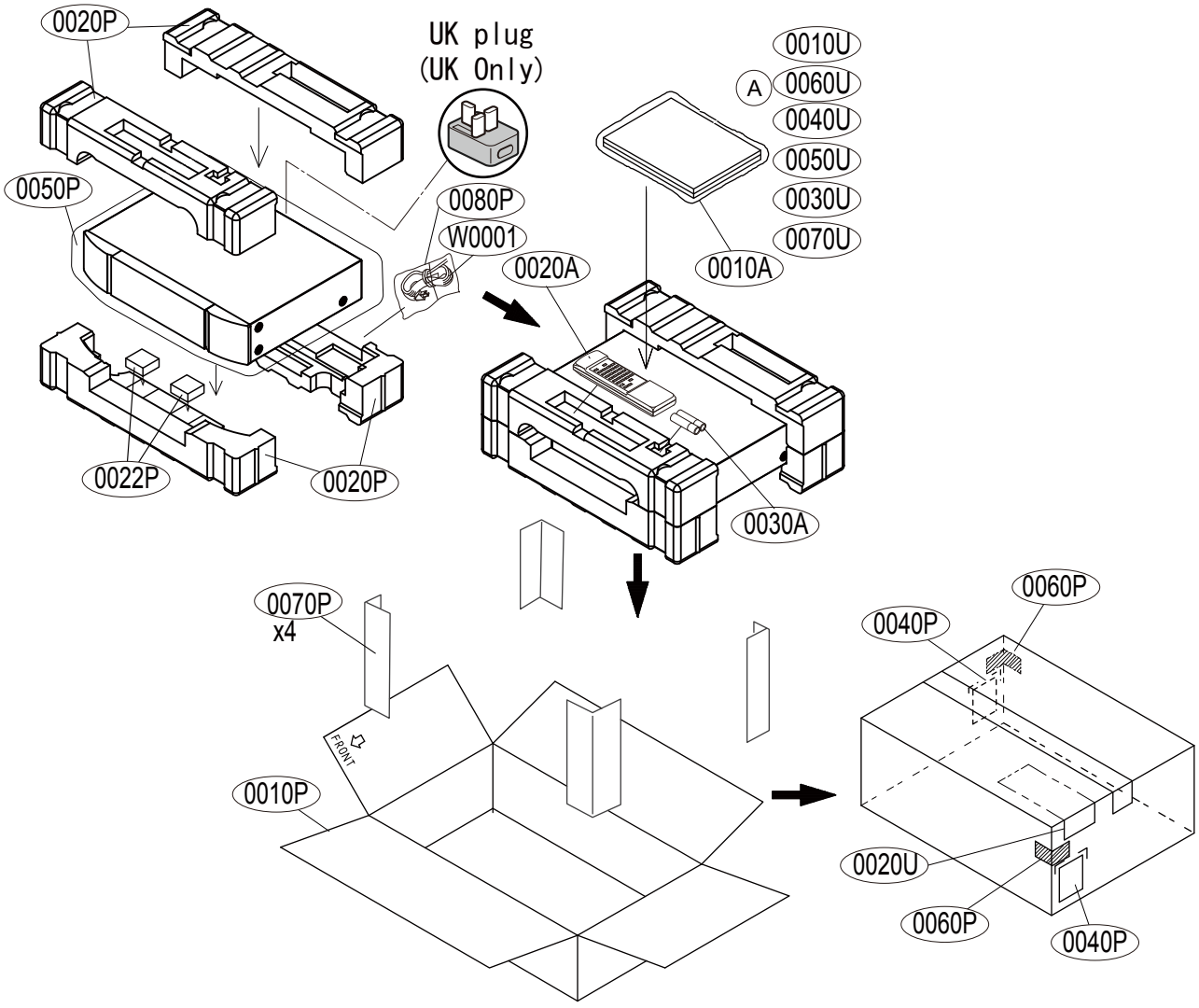
MARK	DISCRIPTION
W/T.L.WASHER	With Toothed Lock Washer

REF No.	SYMBOL	STYLE	Part Name	Q'ty
S1	00M51100304M0		+B.H.M.SCREW	4
S2	00M51100306M0		+B.H.M.SCREW	1
S3	00M51100308M0		+B.H.M.SCREW	4
S4	00M51260308M0		+B.H.TAP TITE SCREW (W/FLAT WASHER)	15
S5	00M51270308M0		+B.H.TAP TITE SCREW (W/3 Points Notch)	11
S6	00M51280308M0		+B.H.TAP TITE SCREW (B TYPE Copper)	46
S7	00M51280308U0		+B.H.TAP TITE SCREW (B TYPE Black)	4
S8	00M51280310M0		+B.H.TAP TITE SCREW (B TYPE Copper)	14
S9	00M51280312M0		+B.H.TAP TITE SCREW (B TYPE Copper)	8
S10	00M51290308M0		+B.H.TAP TITE SCREW (W/T.L.WASHER)	10
S11	00M51290312M0		+B.H.TAP TITE SCREW (W/T.L.WASHER)	1
S12	00M51290410M0		+B.H.TAP TITE SCREW (W/T.L.WASHER)	4
S13	00M51460306M0		+B.H.M.SCREW (W/T.L.WASHER)	5
S14	00M51480306M0		+B.H.M.SCREW (W/T.L.WASHER)	6
S15	00M51480315M0		+B.H.M.SCREW (W/T.L.WASHER)	4
S16	00M51500308M0		+F.H. TAP TITE SCREW (B TYPE)	4
S17	00M54050300M0		+TOOTHED LOCK WASHERS	1
S18	0RD4770262019		SPECIAL SCREW	1

WARNING:
Parts marked with this symbol ⚠ have critical characteristics.
Use ONLY replacement parts recommended by the manufacturer.

PACKING VIEW

Please see the last chapter for the part list.

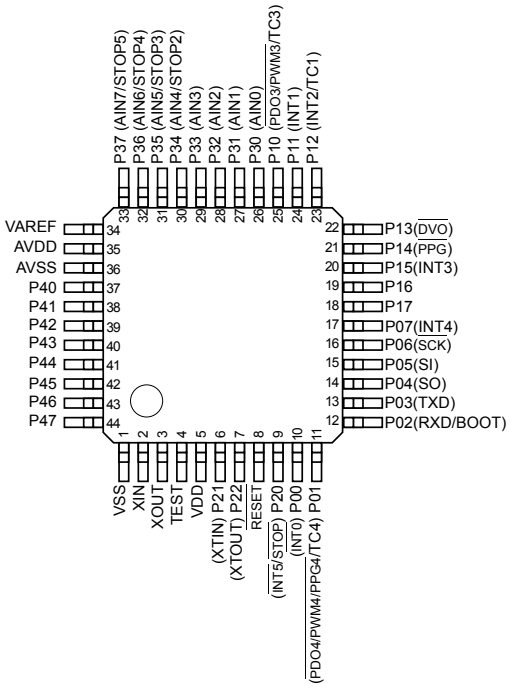


SEMICONDUCTORS

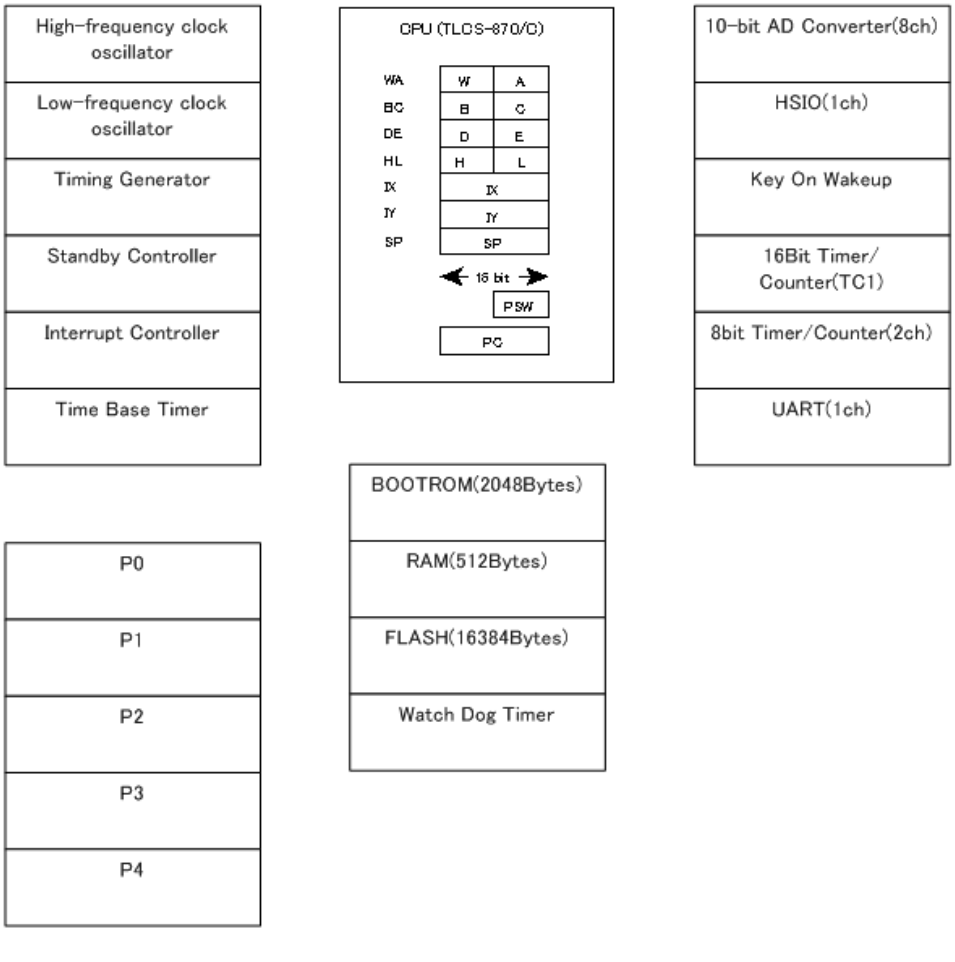
Only major semiconductors are shown, general semiconductors etc. are omitted to list.
The semiconductor which described a detailed drawing in a schematic diagram are omitted to list.

1. IC's

TMP86FH47BUG (U1001)



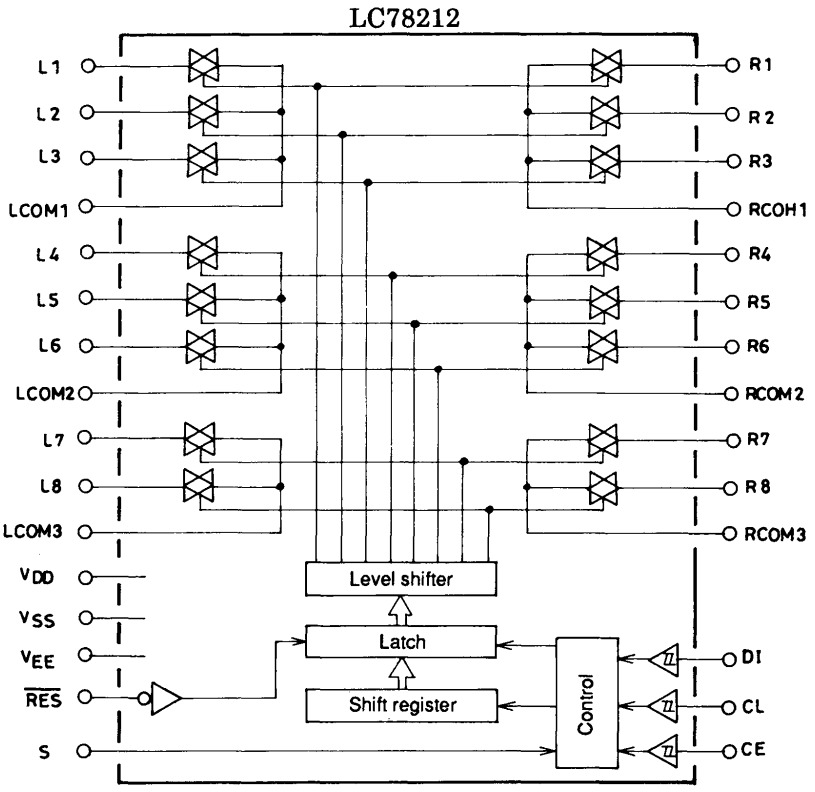
TMP86FH47BUG Block Diagram



TMP86FH47BUG Terminal Functions

Pin	Port Name	I/O	Use	Name	Port Setting				Note
					ACT	INIT	STBY	EXT.R	
1	VSS	-	-		-	-	-	-	0 V
2	XIN	-	-		-	-	-	-	8M Clock in
3	XOUT	-	-		-	-	-	-	8M Clock out
4	TEST	I	I		H	-	L	47k	L->H : PROM Mode(Program rewriting)
5	VDD	-	-	VDD	-	-	-	-	u-com power supply 5V
6	P21 (XTIN)	I/O	I	PROT-1	L	-	H	47k	PROTECT_1:DC Offset / Over Current / Over Current
7	P22 (XTOUT)	I/O	I	PROT-2	L	-	H	47k	PROTECT_2:Vol.tage Abnormal Detect
8	RESET	I/O	I		L	-	H	4.7k	u-com reset connector
9	P20 (STOP/INT5)	I/O	I	P_OFF	L	-	H	10K	Detect Power Down(primary power supply on/ off detection). Observe at power supply cutting, interrupt input.
10	P00 (INT0)	I/O	O	SPK_OUT	L	H	H	-	Speaker Relay On (Audio Out)
11	P01 (TC4/PD04/PPG4/ PWM4)	I/O	O	RC-5_OUT	L	H	H	-	RC-5 Output
12	P02 (RXD)	I/O	O	RXD	-	-	-	47k	Pull Up
13	P03 (TXD)	I/O	O	RXD	-	-	-	47k	Pull Up
14	P04 (SO)	I/O	O	DI	-	L	L	10K	Data (LC78212)
15	P05 (SI)	I/O	O	P_ON	L	H	H	-	Primary Relay ON
16	P06 (SCK)	I/O	O	CLK	-	-	L	10K	Clock (LC78212)
17	P07 (INT4)	I/O	O	CE	H	L	L	10K	CE (LC78212)
18	P17	I/O	O	I2C_CLK	-	H	H	47k	I2C (EEPROM) (Pull up)
19	P16	I/O	I/O	I2C_DATA	-	H	H	10K	I2C (EEPROM) (Pull up)
20	P15 (INT3)	I/O	I	INT	H	-	-	100k	Input Selector Interrupt
21	P14 (PPG)	I/O	O	SD_DI	L	H	H	-	Relay operation port on source direct mode
22	P13 (DVO)	I/O	O	PA_DI	L	H	H	-	Relay operation port on power amp direct mode
23	P12 (INT2/TC1)	I/O	I	RC-5_IN	L	-	H	47k	RC-5 Input
24	P11 (INT1)(BOOT2)	I/O	O	VOL_UP	L	H	H	10k	Volume Up
25	P10 (PWM3/TC3/PD03) (BOOT1)	I/O	O	VOL_ DOWN	L	H	H	10k	Volume Down
26	P30 (AIN0)	I/O	I (AD)	TACT	-	-	-	10K	Source Direct / Power Amp Direct SW / SPK A / SPK B
27	P31 (AIN1)	I/O	I	M_B_ DOWN	L	-	H	-	Checking port for amp power supply off confirm
28	P32 (AIN2)	I/O	I	SEL	L	-	-	-	Input Selector A/D
29	P33 (AIN3)	I/O	O	SPK_A	H	L	L	-	Speaker A Relay On
30	P34 (AIN4/STOP2)	I/O	I	DET	L	-	L	47k	Power down : L (for signal detection circuit)
31	P35 (AIN5/STOP3)	I/O	O	KILL IR	H	L	L	-	RC-5 Kill
32	P36 (AIN6/STOP4)	I/O	O	M_MUTE	L	H	L	-	Manual Mute(Mute on :L)
33	P37 (AIN7/STOP5)	I/O	O	SPK_B	H	L	L	-	Speaker B Relay On
34	VAREF	-	-	VAREF	-	-	-	-	A/D Reference
35	AVDD	-	-	AVDD	-	-	-	-	5 V
36	AVSS	-	-	AVSS	-	-	-	-	0 V
37	P40	I/O	O	LED_STD	L	H	L	-	STANDBY LED (flashing in protection mode 1/2)
38	P41	I/O	O	LED_ PHONO	L	H	H	-	PHONO LED
39	P42	I/O	O	LED_CD	L	H	H	-	CD LED
40	P43	I/O	O	LED_NET	L	H	H	-	NET LED
41	P44	I/O	O	LED_ TUNER	L	H	H	-	TUNER LED
42	P45	I/O	O	LED_AUX	L	H	H	-	AUX LED
43	P46	I/O	O	LED_REC	L	H	H	-	REC LED
44	P47	I/O	O	LED_MUTE	L	H	H	-	MUTE LED (flashing in protection mode 1)

LC78212 (U3903)



PRE POWER AMP PCB ASS'Y

※Parts indicated by "nsp"on this table cannot be supplied.

※The parts listed b NOTE:The symbols in the column Remarks indicate the following destinations.

U : North America model N : Europe model K : China model F : Japan model

B : Black model SG : Silver gold model

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	SEMICONDUCTORS GROUP							
	D2801-2803	20105001130AS	1SS133(HOMI)		20105001130AS	3		
	D3001-3005	20105001130AS	1SS133(HOMI)		20105001130AS	5		
	D3901-3907	20105001130AS	1SS133(HOMI)		20105001130AS	7		
	D6005-6020	20105001130AS	1SS133(HOMI)		20105001130AS	16		
	D7003-7006	00MHZ2001499Y	KDS122 TAPING PM8005N1B : From the serial No.1500 1427 001465 PM8005N1SG : From the serial No.1500 1449 000916 PM8005FN : From the serial No.1500 1446 001001 PM8005U1B : From the serial No.1500 1441 000751 PM8005K1B : From the serial No.1500 1503 000301		00MHZ2001499Y	4		4
!	D8001	00D2760706008	FCH20A15		00D2760706008	1		
!	D8002	00D2760707007	FRH20A15		00D2760707007	1		
	D8101,8102	00D2760798922	UDZS18B-TE17		00D2760798922	2		
	D8103,8104	20105001130AS	1SS133(HOMI)		20105001130AS	2		
	D9011,9012	20105001130AS	1SS133(HOMI)		20105001130AS	2		
	D9501,9502	20305004130AS	1A7		20305004130AS	2	*	
	D9503,9504	20105001130AS	1SS133(HOMI)		20105001130AS	2		
	D9505,9506	20305004130AS	1A7		20305004130AS	2	*	
	Q2801-2803	00D2690192902	KRC102S-RTK/P (10K-10K)		00D2690192902	3		
	Q3001,3002	21105002140AS	KSA992FTA		21105002140AS	2		
	Q3003-3006	21305002440AS	KSC1845FTA		21305002440AS	4		
	Q3007-3010	21105002140AS	KSA992FTA		21105002140AS	4		
	Q3011-3014	21305002440AS	KSC1845FTA		21305002440AS	4		
	Q3015-3018	21105002140AS	KSA992FTA		21105002140AS	4		
	Q3019-3024	21305002440AS	KSC1845FTA		21305002440AS	6		
	Q3025-3030	21105002140AS	KSA992FTA		21105002140AS	6		
	Q3031,3032	21305002440AS	KSC1845FTA		21305002440AS	2		
	Q3033,3034	21105002140AS	KSA992FTA		21105002140AS	2		
	Q3035,3036	21305002440AS	KSC1845FTA		21305002440AS	2		
	Q3037,3038	21105002140AS	KSA992FTA		21105002140AS	2		
	Q3039-3042	21305002440AS	KSC1845FTA		21305002440AS	4		
	Q3043,3044	21105002140AS	KSA992FTA		21105002140AS	2		
	Q3045	00D2690192902	KRC102S-RTK/P (10K-10K)		00D2690192902	1		
	Q3901	00D2730464901	KTC3875S-GR-RTK/P		00D2730464901	1		
	Q3902	00D2690192902	KRC102S-RTK/P (10K-10K)		00D2690192902	1		
	Q6001,6002	21105002140AS	KSA992FTA		21105002140AS	2		
	Q6003-6008	21305002440AS	KSC1845FTA		21305002440AS	6		
	Q6009-6014	21105002140AS	KSA992FTA		21105002140AS	6		
	Q6015,6016	21305002440AS	KSC1845FTA		21305002440AS	2		
	Q6017,6018	21105002140AS	KSA992FTA		21105002140AS	2		
	Q6019,6020	00D2710314903	KTA1024-Y-AT/P		00D2710314903	2		
	Q6021,6022	00D2730471907	KTC3206-Y-AT/P		00D2730471907	2		
	Q6023,6024	21305002440AS	KSC1845FTA		21305002440AS	2		
	Q6025-6028	21305001240AS	KTC3198-GR-AT/P		21305001240AS	4		
	Q6029-6034	00D2710300904	KTA1266-GR-AT/P		00D2710300904	6		
	Q6035,6036	21305001240AS	KTC3198-GR-AT/P		21305001240AS	2		
!	Q7001,7002	00D2730445001	2SC4495		00D2730445001	2		
!	Q7003,7004	00D2730471907	KTC3206-Y-AT/P		00D2730471907	2		
!	Q7005,7006	00D2710314903	KTA1024-Y-AT/P		00D2710314903	2		
!	Q7007,7008	00MHT348832A0	TRANSISTOR 2SC4883 O OR Y		00MHT348832A0	2		
!	Q7009,7010	00MHT118592A0	TRANSISTOR 2SA1859 O OR Y		00MHT118592A0	2		
	Q8015	00D2710312905	KTA1504S-GR-RTK/P		00D2710312905	1		
!	Q8101	00MHT348832A0	TRANSISTOR 2SC4883 O OR Y		00MHT348832A0	1		
!	Q8102	00MHT118592A0	TRANSISTOR 2SA1859 O OR Y		00MHT118592A0	1		
	Q8103	00D2710312905	KTA1504S-GR-RTK/P		00D2710312905	1		
	Q8104	00D2730464901	KTC3875S-GR-RTK/P		00D2730464901	1		
	Q9001-9004	00D2730464901	KTC3875S-GR-RTK/P		00D2730464901	4		
	Q9011	00D2710312905	KTA1504S-GR-RTK/P		00D2710312905	1		
	Q9012	00D2690192902	KRC102S-RTK/P (10K-10K)		00D2690192902	1		
	Q9013	00D2690184907	KRA102S-RTK/P (10K-10K)		00D2690184907	1		
	Q9014-9016	00D2690192902	KRC102S-RTK/P (10K-10K)		00D2690192902	3		
	Q9017	00D2730464901	KTC3875S-GR-RTK/P		00D2730464901	1		
	Q9018	00D2710312905	KTA1504S-GR-RTK/P		00D2710312905	1		
	Q9501,9502	00D2710318909	2N5401S-RTK/P		00D2710318909	2		
	Q9503,9504	00D2730479909	2N5551S-RTK/P		00D2730479909	2		
	Q9505,9506	00D2710318909	2N5401S-RTK/P		00D2710318909	2		
	Q9507,9508	00D2730464901	KTC3875S-GR-RTK/P		00D2730464901	2		
	Q9509	00D2690192902	KRC102S-RTK/P (10K-10K)		00D2690192902	1		
	Q9510	00D2730464901	KTC3875S-GR-RTK/P		00D2730464901	1		
	U3801	23281004150AS	NJM8080G		23281004150AS	1	*	
	U3901,3902	23281004150AS	NJM8080G		23281004150AS	2	*	
	U3903	00MHC10309030	IC LC78212:CMOS LOGIC SANYO		00MHC10309030	1		
	RESISTOR GROUP							
	R2801,2802	nsp	RD14B2E271JT(5)		00D2412397927	2		
	R2803,2804	nsp	RD14B2E474JT(5)		00D2412404991	2		
	R2805,2806	nsp	RD14B2E271JT(5)		00D2412397927	2		
!	R2807-2809	00MGG0510016X	10 OHM +- 5% 1/6W		00MGG0510016X	3		
	R3001,3002	nsp	RD14B2E224JT(5)		00D2412404917	2		
	R3003,3004	nsp	RD14B2E221JT(5)		00D2412397901	2		
	R3005,3006	nsp	RD14B2E224JT(5)		00D2412404917	2		
	R3007,3008	nsp	RD14B2E561JT(5)		00D2412397998	2		
	R3009-3014	nsp	RD14B2E224JT(5)		00D2412404917	6		
	R3015-3020	nsp	RD14B2E221JT(5)		00D2412397901	6		
	R3021,3022	nsp	RD14B2E224JT(5)		00D2412404917	2		
	R3023,3024	nsp	RD14B2E273JT(5)		00D2412401994	2		
	R3025,3026	nsp	RD14B2E471JT(5)		00D2412397972	2		
	R3027-3030	nsp	RD14B2E220JT(5)		00D2412394962	4		
	R3031-3034	nsp	RD14B2E153JT(5)		00D2412401936	4		
	R3035-3038	nsp	RD14B2E220JT(5)		00D2412394962	4		
	R3039,3040	nsp	RD14B2E104JT(5)		00D2412403934	2		
!	R3041,3042	00MGG0510016X	10 OHM +- 5% 1/6W		00MGG0510016X	2		
	R3043,3044	nsp	RD14B2E224JT(5)		00D2412404917	2		
	R3045,3046	nsp	RD14B2E223JT(5)		00D2412401978	2		
	R3047,3048	nsp	RD14B2E471JT(5)		00D2412397972	2		
	R3049-3052	nsp	RD14B2E220JT(5)		00D2412394962	4		
	R3053-3056	nsp	RD14B2E153JT(5)		00D2412401936	4		
	R3057-3060	nsp	RD14B2E220JT(5)		00D2412394962	4		

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	R3061,3062	nsp	RD14B2E104JT(5)		00D2412403934	2		
!	R3063,3064	00MGG0510016X	10 OHM +- 5% 1/6W		00MGG0510016X	2		
	R3065,3066	nsp	RD14B2E102JT(5)		00D2412398955	2		
	R3067,3068	nsp	RD14B2E331JT(5)		00D2412397943	2		
	R3071,3072	nsp	RD14B2E103JT(5)		00D2412400995	2		
	R3075,3076	nsp	RD14B2E472JT(5)		00D2412400911	2		
	R3077-3080	nsp	RD14B2E101JT(5)		00D2412396928	4		
	R3081,3082	nsp	RD14B2E153JT(5)		00D2412401936	2		
	R3083-3086	nsp	RD14B2E220JT(5)		00D2412394962	4		
	R3087,3088	nsp	RD14B2E153JT(5)		00D2412401936	2		
	R3089-3092	nsp	RD14B2E220JT(5)		00D2412394962	4		
	R3093,3094	nsp	RD14B2E105JT(5)		00D2412405974	2		
	R3095-3098	nsp	RD14B2E471JT(5)		00D2412397972	4		
	R3099,3100	nsp	RD14B2E331JT(5)		00D2412397943	2		
	R3103-3106	nsp	RD14B2E221JT(5)		00D2412397901	4		
	R3107,3108	nsp	RD14B2E153JT(5)		00D2412401936	2		
	R3109-3112	nsp	RD14B2E220JT(5)		00D2412394962	4		
	R3113,3114	nsp	RD14B2E153JT(5)		00D2412401936	2		
	R3115-3118	nsp	RD14B2E220JT(5)		00D2412394962	4		
!	R3119-3122	00MGG0510016X	10 OHM +- 5% 1/6W		00MGG0510016X	4		
	R3123,3124	nsp	RD14B2E104JT(5)		00D2412403934	2		
	R3127	00MGG0510016X	10 OHM +- 5% 1/6W		00MGG0510016X	1		
	R3801,3802	00MGG0510016X	10 OHM +- 5% 1/6W		00MGG0510016X	2		
	R3803-3806	nsp	RD14B2E104JT(5)		00D2412403934	4		
	R3807,3808	nsp	RD14B2E470JT(5)		00D2412395945	2		
	R3901,3902	nsp	RD14B2E104JT(5)		00D2412403934	2		
	R3905,3906	nsp	RD14B2E101JT(5)		00D2412396928	2		
	R3907,3908	nsp	RD14B2E563JT(5)		00D2412402977	2		
	R3909,3910	nsp	RD14B2E103JT(5)		00D2412400995	2		
	R3911	nsp	RD14B2E101JT(5)		00D2412396928	1		
	R3912	nsp	RD14B2E393JT(5)		00D2412402935	1		
	R3913	nsp	RD14B2E473JT(5)		00D2412402951	1		
	R3916	nsp	RD14B2E104JT(5)		00D2412403934	1		
	R3917	nsp	RD14B2E472JT(5)		00D2412400911	1		
	R3918	nsp	RD14B2E473JT(5)		00D2412402951	1		
	R3919,3920	nsp	RD14B2E104JT(5)		00D2412403934	2		
	R3921,3922	nsp	RD14B2E223JT(5)		00D2412401978	2		
	R3923,3924	nsp	RD14B2E224JT(5)		00D2412404917	2		
	R3931	nsp	RD14B2E103JT(5)		00D2412400995	1		
	R6001,6002	nsp	RD14B2E224JT(5)		00D2412404917	2		
	R6003,6004	nsp	RD14B2E223JT(5)		00D2412401978	2		
	R6005,6006	00D2412465943	RD14B2E101JT(AMRS)		00D2412465943	2		
	R6007,6008	nsp	RD14B2E273JT(5)		00D2412401994	2		
	R6009,6010	nsp	RD14B2E183JT(5)		00D2412401952	2		
	R6011-6014	nsp	RD14B2E220JT(5)		00D2412394962	4		
	R6015,6016	nsp	RD14B2E183JT(5)		00D2412401952	2		
	R6017,6018	nsp	RD14B2E273JT(5)		00D2412401994	2		
	R6019,6020	nsp	RD14B2E101JT(5)		00D2412396928	2		
	R6021-6024	nsp	RD14B2E220JT(5)		00D2412394962	4		
	R6025,6026	1240500030090	MOS2CL15A152J 1.5KOHM +-5% 2W		1240500030090	2		
	R6027-6030	00MGG0547116X	470 OHM +- 5% 1/6W		00MGG0547116X	4		
	R6031,6032	00MGG0518116X	180 OHM +- 5% 1/16W		00MGG0518116X	2		
	R6033-6036	nsp	RD14B2E105JT(5)		00D2412405974	4		
	R6037,6038	00MGG0518116X	180 OHM +- 5% 1/16W		00MGG0518116X	2		
	R6039,6040	nsp	RD14B2E682JT(5)		00D2412400953	2		
	R6041,6042	nsp	RD14B2E220JT(5)		00D2412394962	2		
	R6043,6044	nsp	RD14B2E682JT(5)		00D2412400953	2		
	R6045-6048	nsp	RD14B2E220JT(5)		00D2412394962	4		
	R6049,6050	nsp	RD14B2E104JT(5)		00D2412403934	2		
	R6051-6054	nsp	RD14B2E220JT(5)		00D2412394962	4		
	R6055,6056	nsp	RD14B2E104JT(5)		00D2412403934	2		
	R6057,6058	nsp	RD14B2E474JT(5)		00D2412404991	2		
	R6059,6060	nsp	RD14B2E104JT(5)		00D2412403934	2		
	R6061-6064	nsp	RD14B2E473JT(5)		00D2412402951	4		
!	R6065-6068	00MGG0510016X	10 OHM +- 5% 1/6W		00MGG0510016X	4		
	R7001,7002	nsp	RD14B2E472JT(5) PM8005N1B : Until the serial No.1500 1427 001464 PM8005N1SG : Until the serial No.1500 1449 000915 PM8005FN : Until the serial No.1500 1446 001000 PM8005U1B : Until the serial No.1500 1441 000750 PM8005K1B : Until the serial No.1500 1503 000300		00D2412400911	2		4
	R7003,7004	nsp	RD14B2E102JT(5) PM8005N1B : Until the serial No.1500 1427 001464 PM8005N1SG : Until the serial No.1500 1449 000915 PM8005FN : Until the serial No.1500 1446 001000 PM8005U1B : Until the serial No.1500 1441 000750 PM8005K1B : Until the serial No.1500 1503 000300		00D2412398955	2		4
	R7003,7004	nsp	RD14B2E122JT(5) PM8005N1B : From the serial No.1500 1427 001465 PM8005N1SG : From the serial No.1500 1449 000916 PM8005FN : From the serial No.1500 1446 001001 PM8005U1B : From the serial No.1500 1441 000751 PM8005K1B : From the serial No.1500 1503 000301		00D2412398971	2		4
	R7005,7006	nsp	RD14B2E102JT(5) PM8005N1B : Until the serial No.1500 1427 001464 PM8005N1SG : Until the serial No.1500 1449 000915 PM8005FN : Until the serial No.1500 1446 001000 PM8005U1B : Until the serial No.1500 1441 000750 PM8005K1B : Until the serial No.1500 1503 000300		00D2412398955	2		4
!	R7007-7010	00MGG0547116X	470 OHM +- 5% 1/6W		00MGG0547116X	4		
!	R7011,7012	00MGG0510216X	1K OHM +- 5% 1/6W		00MGG0510216X	2		
!	R7013-7016	00MGG0547016X	47 OHM +- 5% 1/6W		00MGG0547016X	4		
!	R7017,7018	00MGG0522116X	220 OHM +- 5% 1/6W		00MGG0522116X	2		
!	R7019-7022	00MGG0510016X	10 OHM +- 5% 1/6W		00MGG0510016X	4		
!	R7023-7026	00MGO05001056	0.1 OHMS +-5% 5W PBR58		00MGO05001056	4		
	R7029,7030	nsp	RD14B2E272JT(5) PM8005N1B : Until the serial No.1500 1427 001464 PM8005N1SG : Until the serial No.1500 1449 000915 PM8005FN : Until the serial No.1500 1446 001000 PM8005U1B : Until the serial No.1500 1441 000750 PM8005K1B : Until the serial No.1500 1503 000300		00D2412399954	2		4
	R7029,7030	nsp	RD14B2E152JT(5) PM8005N1B : From the serial No.1500 1427 001465 PM8005N1SG : From the serial No.1500 1449 000916 PM8005FN : From the serial No.1500 1446 001001 PM8005U1B : From the serial No.1500 1441 000751 PM8005K1B : From the serial No.1500 1503 000301		00D2412398997	2		4

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	R8001,8002	nsp	RD14B2E473JT(5)		00D2412402951	2		
!	R8003	00MBF68400016	! 0.68UF/4.7OHM		00MBF68400016	1		
!	R8021	00MGG0522016X	22 OHM +- 5% 1/6W		00MGG0522016X	1		
!	R8022	00MGG0510016X	10 OHM +- 5% 1/6W		00MGG0510016X	1		
	R8023	nsp	RM73B--103JT +1608		00D2472009983	1		
	R8024	nsp	RD14B2E103JT(5)		00D2412400995	1		
	R8025	nsp	RM73B--333JT +1608		00D2472011900	1		
!	R8101,8102	00MGG0504716X	4.7 OHM +- 5% 1/6W		00MGG0504716X	2		
	R8103,8104	nsp	RD14B2E471JT(5)		00D2412397972	2		
	R8105,8106	nsp	RD14B2E102JT(5)		00D2412398955	2		
	R8107,8108	00MGG0510016X	10 OHM +- 5% 1/6W		00MGG0510016X	2		
	R8109,8110	nsp	RD14B2E333JT(5)		00D2412402919	2		
	R8111,8112	nsp	RD14B2E153JT(5)		00D2412401936	2		
	R9001	nsp	RD14B2E472JT(5)		00D2412400911	1		
	R9002-9004	nsp	RD14B2E103JT(5)		00D2412400995	3		
	R9011	nsp	RM73B--104JT +1608		00D2472012925	1		
	R9012,9013	nsp	RM73B--223JT +1608		00D2472010969	2		
	R9014	nsp	RM73B--472JT (1608) +1608		00D2472009909	1		
	R9015	nsp	RM73B--223JT +1608		00D2472010969	1		
	R9501,9502	nsp	RM73B--154JT +1608		00D2472012967	2		
	R9503,9504	nsp	RM73B--473JT +1608		00D2472011942	2		
	R9505-9508	00MGG0547116X	470 OHM +- 5% 1/6W		00MGG0547116X	4		
	R9509,9510	nsp	RM73B--154JT +1608		00D2472012967	2		
	R9511,9512	00MGG0547216X	4.7K OHM +- 5% 1/6W		00MGG0547216X	2		
	R9513,9514	nsp	RM73B--224JT +1608		00D2472013908	2		
	R9515,9516	nsp	RD14B2E682JT(5)		00D2412400953	2		
	R9517-9522	nsp	RD14B2E223JT(5)		00D2412401978	6		
	R9523,9524	nsp	RD14B2E683JT(5)		00D2412402993	2		
	R9525	nsp	RM73B--104JT +1608		00D2472012925	1		
	CAPACIITORS GROUP							
	C3000	nsp	CK73F1E104ZT +1608		00D2570512903	1		
	C3005-3008	nsp	CK73F1E104ZT +1608		00D2570512903	4		
	C3017	nsp	CK73F1E104ZT +1608		00D2570512903	1		
	C3021,3022	00MOA106035Z1	ROS-35V 100M - F3#PE - T2 (10UF 35V)		00MOA106035Z1	2		
	C3023,3024	00MOF55331581	330PF 100V +- 10% FNS		00MOF55331581	2		
	C3025,3026	00MOA226025Z1	ROS-25V 220M - F3#PE - T2 (22UF 25V)		00MOA226025Z1	2		
	C3027,3028	00MOA227025R1	ROA-25V 221M -H5#PE - T2 (220UF 25V)		00MOA227025R1	2		
	C3029,3030	00MOA106035Z1	ROS-35V 100M - F3#PE - T2 (10UF 35V)		00MOA106035Z1	2		
	C3031,3032	00MOF55331581	330PF 100V +- 10% FNS		00MOF55331581	2		
	C3033,3034	00MOA226025Z1	ROS-25V 220M - F3#PE - T2 (22UF 25V)		00MOA226025Z1	2		
	C3035,3036	00MOA227025R1	ROA-25V 221M -H5#PE - T2 (220UF 25V)		00MOA227025R1	2		
	C3037,3038	00MOA226025Z1	ROS-25V 220M - F3#PE - T2 (22UF 25V)		00MOA226025Z1	2		
	C3041,3042	00MOF55101591	100PF 200V +- 10% FAS		00MOF55101591	2		
	C3043-3046	00MOA227025R1	ROA-25V 221M -H5#PE - T2 (220UF 25V)		00MOA227025R1	4		
	C3047,3048	00MOF55101591	100PF 200V +- 10% FAS		00MOF55101591	2		
	C3049,3050	00MOA226025Z1	ROS-25V 220M - F3#PE - T2 (22UF 25V)		00MOA226025Z1	2		
	C3801,3802	00MOA476025R1	ROA-25V 470M -G3# - T2		00MOA476025R1	2		
	C3803-3806	00MOA106035Z1	ROS-35V 100M - F3#PE - T2 (10UF 35V)		00MOA106035Z1	4		
	C3901,3902	00MOA476025R1	ROA-25V 470M -G3# - T2		00MOA476025R1	2		
	C3903,3904	13405014840AS	CE04W1J100MT(KR3)		13405014840AS	2		
	C3907,3908	13405014840AS	CE04W1J100MT(KR3)		13405014840AS	2		
	C3909	133050086503S	CQ93M2A221JT(PEF)		133050086503S	1		
	C3910-3912	13405014840AS	CE04W1J100MT(KR3)		13405014840AS	3		
	C3916	00MOA10605021	10 UF M 50V RA-2		00MOA10605021	1		
	C6001,6002	00MOA226025Z1	ROS-25V 220M - F3#PE - T2 (22UF 25V)		00MOA226025Z1	2		
	C6003,6004	00MOF55101591	100PF 200V +- 10% FAS	N/K	00MOF55101591	2		
	C6005-6008	00MOA22706326	220 UF M 63V RA-2		00MOA22706326	4		
	C6009-6012	00MOA476025Z1	ROS-25V 470M - G3#PE - T2 (47UF 25V)		00MOA476025Z1	4		
	C6013,6014	00MOF55681581	680PF 100V +-10% FNS		00MOF55681581	2		
	C6015,6016	00MOA22702521	220 UF M 25V RA-2		00MOA22702521	2		
	C7001,7002	00MOA106035Z1	ROS-35V 100M - F3#PE - T2 (10UF 35V)		00MOA106035Z1	2		
	C7003,7004	00MOF55103581	0.01UF 100V +- 5% FNS		00MOF55103581	2		
!	C8001,8002	13405024500AM	LKG1J183MESJZT		13405024500AM	2	*	
	C8021	00MOA22706326	220 UF M 63V RA-2		00MOA22706326	1		
	C8022	00MOA106035Z1	ROS-35V 100M - F3#PE - T2 (10UF 35V)		00MOA106035Z1	1		
	C8101-8104	00MOA227025R1	ROA-25V 221M -H5#PE - T2 (220UF 25V)		00MOA227025R1	4		
	C8105,8106	00MOA106035Z1	ROS-35V 100M - F3#PE - T2 (10UF 35V)		00MOA106035Z1	2		
	C9001	00D2544573949	CE04W1H010MT(RA3)		00D2544573949	1		
	C9002	00MOA10605021	10 UF M 50V RA-2		00MOA10605021	1		
	C9003	nsp	CK73F1E104ZT +1608		00D2570512903	1		
	C9011-9016	nsp	CK73F1E104ZT +1608		00D2570512903	6		
	C9501,9502	nsp	CK73B1H103KT (1608) +1608		00D2570501901	2		
	C9503-9506	00D2544573949	CE04W1H010MT(RA3)		00D2544573949	4		
	C9507	00D2544577945	CE04W1C101MT(RA3)		00D2544577945	1		
	OTHER PARTS GROUP							
	B3901	nsp	5P L=130 SCN-SCN UL1430 UL2791		61301004100AS	1	*	
	B6001,6002	nsp	EHR-SCN 2.5MMPICH DIP TYPE 5PIN 8CM		120105920040	2		
	B8001	nsp	SIN-SRA 1P 140MM		120500040000	1		
	B9501	nsp	EHR-SCN 2.5MMPICH DIP TYPE 4PIN 10CM		120106080080	1		
	K3001	643810029001S	RCA PIN JACK 2P AU MSP-242V3-12 GILT LF		643810029001S	1		
	K3002,3003	643810028008S	RCA PIN JACK 4P AU MSP-244V4-17 GILT LF		643810028008S	2		
	K3004	643810029001S	RCA PIN JACK 2P AU MSP-242V3-12 GILT LF		643810029001S	1		
	L9102	nsp	MLB-1608-1000A-N2		00MFC9002021Y	1		
	N2801	nsp	B5B-EH-TS (LF)(SN) 5P RADIAL TAPING		00MYP0601045X	1		
	N2802	nsp	B3B-EH-TS (LF)(SN) 3P RADIAL TAPING		00MYP0600383X	1		
	N2803	nsp	B6B-EH-TS (LF)(SN) 6P RADIAL TAPING JST		00MYP0600384X	1		
	N3301	nsp	B5B-EH-TS (LF)(SN) 5P RADIAL TAPING		00MYP0601045X	1		
	N5001	nsp	13P PLUG(C125Z1)		645010056014S	1		
	N7001,7002	nsp	B5B-EH-TS (LF)(SN) 5P RADIAL TAPING		00MYP0601045X	2		
	N7003-7006	nsp	6P PIN HEADDER 2.54MM PITCH ANGLE		64401018300AS	4		
	N7007,7008	nsp	S2B-EH		00MYP06003920	2		
	N7009	nsp	4P-PLUG B4P-VH		00MYP06003890	1		
	N8001	nsp	JST 3P-PLUG B3P-VH P=3.96M/M		00MYP06006860	1		
	N8101	nsp	B3B-EH-TS (LF)(SN) 3P RADIAL TAPING		00MYP0600383X	1		
	N9001	nsp	B13B-PH-K-S (LF)(SN)		00MYJ06006330	1		
	N9002	nsp	B4B-EH-TS (LF)(SN) 4P RADIAL TAPING		00MYP0600391X	1		
	S2801-2804	00D2140208003	RELAY(NA24W-K)		00D2140208003	4		
	S3001	00D2140208003	RELAY(NA24W-K)		00D2140208003	1		
	V6001,6002	00MRA04720781	4.7KOHM NVZ6TLTA B472		00MRA04720781	2		
	V7001,7002	00MRA01020761	1KOHM NVZ6THT B102 PM8005N1B : Until the serial No.1500 1427 001464 PM8005N1SG : Until the serial No.1500 1449 000915 PM8005FN : Until the serial No.1500 1446 001000 PM8005U1B : Until the serial No.1500 1441 000750 PM8005K1B : Until the serial No.1500 1503 000300		00MRA01020761	2		4

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	V7001,7002	00MRA02220761	2.2KOHM NVZ6THT B222 PM8005N1B : From the serial No.1500 1427 001465 PM8005N1SG : From the serial No.1500 1449 000916 PM8005FN : From the serial No.1500 1446 001001 PM8005U1B : From the serial No.1500 1441 000751 PM8005K1B : From the serial No.1500 1503 000301		00MRA02220761	2		4
	Z8101	nsp	SCREW		00M51100308M9	1		
	Z8102	nsp	HEAT SINK		00M009D267010	1		
	Z8103	nsp	SCREW		00M51100308M9	1		
	Z8104	nsp	HEAT SINK		00M009D267010	1		
	Z8105,8106	nsp	TAPE PERMACEL PTFE FILM P-422 15MM X 33M		554010001002S	2		
	Z8201	nsp	GND TERMINAL FOR PCB		00MYL01010241	1		
	Z9102	nsp	GND TERMINAL FOR PCB		00MYL01010241	1		
	Z9103	nsp	M3 SCREW TERMINAL		00D2051034007	1		
	Z9501,9502	252310006513S	PRF18BC471QB5RB		252310006513S	2		

UCOM STBY PCB ASS'Y

※Parts indicated by "nsp"on this table cannot be supplied.

※The parts listed b NOTE:The symbols in the column Remarks indicate the following destinations.

U : North America model N : Europe model K : China model F : Japan model

B : Black model SG : Silver gold model

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	SEMICONDUCTORS GROUP							
	D1251-1262	20105001230AS	1SS355T		20105001230AS	12		
	D1601	20105001130AS	1SS133(HOMI)		20105001130AS	1		
	D1901	00D3939607908	SLR342VC(TB7)		00D3939607908	1		
	D2501-2506	26301000440AS	SELG6E10C-S20 BLUE LED		26301000440AS	6		
	D2507	263010041403S	SLI-343V8RC(T32)		263010041403S	1		
	D2508-2511	176010009406S	SELK2E14C-D BLUE LED		176010009406S	4		
	D8501-8506	20305002730AS	1N4003(HOMI)		20305002730AS	6		
	D8507	00D2760683985	UDZS11B-TE17		00D2760683985	1		
	D8508	20105001130AS	1SS133(HOMI)		20105001130AS	1		
!	D8509-8512	00MHD20055101	!SHOTTKY 11EQS10 1A 100V		00MHD20055101	4		
	D8513-8518	20305002730AS	1N4003(HOMI)		20305002730AS	6		
	D8530	00D2760683901	UDZS5.6B-TE17 +C		00D2760683901	1		
	Q1001,1002	00D2690184907	KRA102S-RTK/P (10K-10K)		00D2690184907	2		
	Q1003,1004	00D2730464901	KTC3875S-GR-RTK/P		00D2730464901	2		
	Q1005-1009	00D2690184907	KRA102S-RTK/P (10K-10K)		00D2690184907	5		
	Q1010	00D2690192902	KRC102S-RTK/P (10K-10K)		00D2690192902	1		
	Q1011	00D2710312905	KTA1504S-GR-RTK/P		00D2710312905	1		
	Q1012	00D2690192902	KRC102S-RTK/P (10K-10K)		00D2690192902	1		
	Q1013	00D2710312905	KTA1504S-GR-RTK/P		00D2710312905	1		
	Q1014	00D2690192902	KRC102S-RTK/P (10K-10K)		00D2690192902	1		
	Q1030,1031	00D2690192902	KRC102S-RTK/P (10K-10K)		00D2690192902	2		
	Q1251,1252	00D2690184907	KRA102S-RTK/P (10K-10K)		00D2690184907	2		
	Q1601-1603	00D2690184907	KRA102S-RTK/P (10K-10K)		00D2690184907	3		
	Q1604	00D2730464901	KTC3875S-GR-RTK/P		00D2730464901	1		
	Q1801	00MHT600141B1	KTA1271 PNP TRANSISTOR RANK=Y		00MHT600141B1	1		
	Q1802	00MHT800951B1	KTC3203 NPN TRANSISTOR RANK=Y		00MHT800951B1	1		
	Q1803	00MHT600141B1	KTA1271 PNP TRANSISTOR RANK=Y		00MHT600141B1	1		
	Q1804	00MHT800951B1	KTC3203 NPN TRANSISTOR RANK=Y		00MHT800951B1	1		
	Q2501-2504	00D2690192902	KRC102S-RTK/P (10K-10K)		00D2690192902	4		
	Q8501	00D2690192902	KRC102S-RTK/P (10K-10K)		00D2690192902	1		
	Q8502	00D2730464901	KTC3875S-GR-RTK/P		00D2730464901	1		
	Q8503	00D2690184907	KRA102S-RTK/P (10K-10K)		00D2690184907	1		
!	Q8530	00MHT348832A0	TRANSISTOR 2SC4883 O OR Y		00MHT348832A0	1		
	U1001	9R2481021100M	PM8005 ROM ASSY (TMP86FH47BUG)		8R2481021100M	1		6
	U1002	235010049402S	KIA7042AP-AT/P 4.2V RESET IC		235010049402S	1		
	U1003	00MHC1043399Z	AT24C08BN-SH-T		00MHC1043399Z	1		
	U2001-2004	23281004150AS	NJM8080G		23281004150AS	4	*	
	U2601	262010010000S	R34ES9A-15MM(36KHZ) IR RECIVER		262010010000S	1		
!	U8501	00D2622977933	BA50BC0FP-E2		00D2622977933	1		
	RESISTOR GROUP							
	R1001,1002	nsp	RM73B--473JT +1608		00D2472011942	2		
	R1003	nsp	RM73B--104JT +1608		00D2472012925	1		
	R1004	nsp	RM73B--105JT +1608		00D2472014965	1		
	R1005	nsp	RM73B--333JT +1608		00D2472011900	1		
	R1006	nsp	RM73B--332JT +1608		00D2472008968	1		
	R1007	nsp	RM73B--103JT +1608		00D2472009983	1		
	R1008-1012	nsp	RM73B--473JT +1608		00D2472011942	5		
	R1013	nsp	RM73B--104JT +1608		00D2472012925	1		
	R1014	nsp	RM73B--472JT (1608) +1608		00D2472009909	1		
	R1015-1017	nsp	RM73B--103JT +1608		00D2472009983	3		
	R1018	nsp	RM73B--473JT +1608		00D2472011942	1		
	R1019	nsp	RM73B--472JT (1608) +1608		00D2472009909	1		
	R1020	nsp	RM73B--103JT +1608		00D2472009983	1		
	R1021	nsp	RM73B--473JT +1608		00D2472011942	1		
	R1022	nsp	RM73B--472JT (1608) +1608		00D2472009909	1		
	R1023-1026	nsp	RM73B--473JT +1608		00D2472011942	4		
	R1027	nsp	RM73B--223JT +1608		00D2472010969	1		
	R1035	nsp	RM73B--103JT +1608		00D2472009983	1		
	R1251,1252	nsp	RM73B--124JT +1608		00D2472012941	2		
	R1253-1255	nsp	RM73B--103JT +1608		00D2472009983	3		
	R1256	nsp	RM73B--472JT (1608) +1608		00D2472009909	1		
	R1257	nsp	RM73B--152JT +1608		00D2472007985	1		
	R1258	nsp	RM73B--392JT +1608		00D2472008984	1		
	R1259,1260	nsp	RM73B--152JT +1608		00D2472007985	2		
	R1261	nsp	RM73B--222JT +1608		00D2472008926	1		
	R1262	nsp	RM73B--152JT +1608		00D2472007985	1		
	R1263	nsp	RM73B--101JT +1608		00D2472005903	1		
	R1264	nsp	RM73B--122JT +1608		00D2472007969	1		
	R1265	nsp	RM73B--101JT +1608		00D2472005903	1		
	R1266,1267	nsp	RM73B--222JT +1608		00D2472008926	2		
	R1268,1269	nsp	RM73B--182JT +1608		00D2472008900	2		
	R1270	nsp	RM73B--223JT +1608		00D2472010969	1		
	R1271	nsp	RM73B--103JT +1608		00D2472009983	1		
	R1601	nsp	RM73B--101JT +1608		00D2472005903	1		
	R1602	nsp	RM73B--473JT +1608		00D2472011942	1		
	R1603	nsp	RM73B--183JT +1608		00D2472010943	1		
	R1604	nsp	RM73B--473JT +1608		00D2472011942	1		
	R1801,1802	nsp	RM73B--222JT +1608		00D2472008926	2		
	R1803,1804	nsp	RM73B--473JT +1608		00D2472011942	2		
	R1805	nsp	RM73B--222JT +1608		00D2472008926	1		
	R1806	nsp	RM73B--473JT +1608		00D2472011942	1		
	R1808	nsp	RM73B--222JT +1608		00D2472008926	1		
	R1809	nsp	RM73B--473JT +1608		00D2472011942	1		
	R1901,1902	nsp	RM73B--102JT +1608		00D2472007943	2		
	R2001,2002	nsp	RD14B2E333JT(5)		00D2412402919	2		
	R2003,2004	00MGG0510016X	10 OHM +- 5% 1/6W		00MGG0510016X	2		
	R2005,2006	nsp	RD14B2E333JT(5)		00D2412402919	2		
	R2007-2010	nsp	RD14B2E272JT(5)		00D2412399954	4		
	R2011,2012	nsp	RD14B2E104JT(5)		00D2412403934	2		
	R2013,2014	nsp	RD14B2E101JT(5)		00D2412396928	2		
	R2015,2016	nsp	RD14B2E122JT(5)		00D2412398971	2		
	R2017,2018	nsp	RD14B2E473JT(5)		00D2412402951	2		
	R2019,2020	nsp	RD14B2E222JT(5)		00D2412399938	2		
	R2021,2022	nsp	RD14B2E393JT(5)		00D2412402935	2		
	R2023,2024	nsp	RD14B2E122JT(5)		00D2412398971	2		
	R2025,2026	nsp	RD14B2E563JT(5)		00D2412402977	2		
	R2501	nsp	RM73B--103JT +1608		00D2472009983	1		
	R2502	nsp	RM73B--331JT (1608) +1608		00D2472006902	1		

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	R2503	nsp	RM73B--103JT +1608		00D2472009983	1		
	R2504	nsp	RM73B--331JT (1608) +1608		00D2472006902	1		
	R2505	nsp	RM73B--103JT +1608		00D2472009983	1		
	R2506	nsp	RM73B--331JT (1608) +1608		00D2472006902	1		
	R2507	nsp	RM73B--103JT +1608		00D2472009983	1		
	R2508	nsp	RM73B--331JT (1608) +1608		00D2472006902	1		
	R2509	nsp	RM73B--103JT +1608		00D2472009983	1		
	R2510	nsp	RM73B--331JT (1608) +1608		00D2472006902	1		
	R2511	nsp	RM73B--103JT +1608		00D2472009983	1		
	R2512	nsp	RM73B--331JT (1608) +1608		00D2472006902	1		
	R2514	nsp	RM73B--331JT (1608) +1608		00D2472006902	1		
	R2515	nsp	RM73B--103JT +1608		00D2472009983	1		
	R2516	nsp	RM73B--221JT +1608		00D2472005987	1		
	R2517	nsp	RM73B--103JT +1608		00D2472009983	1		
	R2518	nsp	RM73B--221JT +1608		00D2472005987	1		
	R2519	nsp	RM73B--103JT +1608		00D2472009983	1		
	R2520	nsp	RM73B--221JT +1608		00D2472005987	1		
	R2521	nsp	RM73B--103JT +1608		00D2472009983	1		
	R2522	nsp	RM73B--221JT +1608		00D2472005987	1		
	R2602	nsp	RD14B2E101JT(5)		00D2412396928	1		
	R2701	nsp	RM73B--103JT +1608		00D2472009983	1		
	R2702	nsp	RM73B--222JT +1608		00D2472008926	1		
	R2703-2705	nsp	RM73B--392JT +1608		00D2472008984	3		
	R2706	nsp	RM73B--223JT +1608		00D2472010969	1		
!	R8501	00MGG0522016X	22 OHM +- 5% 1/6W		00MGG0522016X	1		
	R8502	nsp	RM73B--823JT +1608		00D2472012909	1		
	R8503,8504	nsp	RM73B--472JT (1608) +1608		00D2472009909	2		
!	R8505	00MBF68400016	! 0.68UF/4.7OHM		00MBF68400016	1		
!	R8506,8507	00MGG05010120	ERD50FJ1R0P or SPRX1CM12.5A J 1R0		00MGG05010120	2		
	R8508	nsp	RM73B--104JT +1608		00D2472012925	1		
	R8509	nsp	RM73B--470JT +1608		00D2472004920	1		
	R8530	nsp	RM73B--822JT +1608		00D2472009967	1		
	R8531	00MGG0510016X	10 OHM +- 5% 1/6W		00MGG0510016X	1		
	R9901,9902	00MGG0510016X	10 OHM +- 5% 1/6W		00MGG0510016X	2		
	CAPACIITORS GROUP							
	C1001,1002	nsp	CK73F1E104ZT +1608		00D2570512903	2		
	C1003	00MEJ10602511	10UF/ 25V		00MEJ10602511	1		
	C1004	nsp	CK73F1E104ZT +1608		00D2570512903	1		
	C1005	00MEJ10602511	10UF/ 25V		00MEJ10602511	1		
	C1006-1015	nsp	CK73F1E104ZT +1608		00D2570512903	10		
	C1016	00MOA106035Z1	ROS-35V 100M - F3#PE - T2 (10UF 35V)		00MOA106035Z1	1		
	C1251	nsp	CK73B1H103KT (1608) +1608		00D2570501901	1		
	C1601	00D2544302974	CE04W1A101MT(SRE)		00D2544302974	1		
	C1801,1802	00D2544573949	CE04W1H010MT(RA3)		00D2544573949	2		
	C1803	nsp	CK73B1H103KT (1608) +1608		00D2570501901	1		
	C2001,2002	00MOA22605021	22 UF M 50V RA-2		00MOA22605021	2		
	C2003-2006	133050074500S	CQ93M2E101J(LP)		133050074500S	4		
	C2007,2008	00MOA22605021	22 UF M 50V RA-2		00MOA22605021	2		
	C2009,2010	00MOA10702521	100 UF M 25V RA-2		00MOA10702521	2		
	C2011,2012	13305030640AS	CQ93P2A103JT(DTN)		13305030640AS	2		Ver.5
	C2013,2014	133050086503S	CQ93M2A221JT(PEF)		133050086503S	2		
	C2015,2016	00D2561059938	CF93A1H334JT (JL)		00D2561059938	2		
	C2017,2018	13305030543AS	CQ93P2A102JT(DTN)		13305030543AS	2		Ver.5
	C2019,2020	00MEJ22505011	2.2UF/ 50V		00MEJ22505011	2		
	C2021,2022	13305030646AS	CQ93P2A683JT(DTN)		13305030646AS	2		Ver.5
	C2501	00MEJ10602511	10UF/ 25V		00MEJ10602511	1		
	C2502-2511	nsp	CK73B1H103KT (1608) +1608		00D2570501901	10		
	C2602	nsp	CK73B1H103KT (1608) +1608		00D2570501901	1		
	C2603	00D2544302974	CE04W1A101MT(SRE)		00D2544302974	1		
	C2701	00MEJ10602511	10UF/ 25V		00MEJ10602511	1		
	C2702	nsp	CK73B1H103KT (1608) +1608		00D2570501901	1		
	C8501	00MOF55103581	0.01UF 100V +- 5% FNS		00MOF55103581	1		
!	C8502	133750061200S	#PHE840MA5100MA01R05		133750061200S	1		
	C8503	00D2544573949	CE04W1H010MT(RA3)		00D2544573949	1		
	C8504	nsp	CK73B1H103KT (1608) +1608		00D2570501901	1		
	C8505,8506	00MOC47803546	4700UF/35V NICHICON PB-FREE		00MOC47803546	2		
	C8507	13405013120AS	CE04W1E222MC(KR3)		13405013120AS	1		
	C8509	00MOA22706326	220 UF M 63V RA-2		00MOA22706326	1		
	C8510-8512	nsp	CK73F1E104ZT +1608		00D2570512903	3		
	C8513	13405012440AS	CE04W0J221MT(KR3)		13405012440AS	1		
	C8514	nsp	CK73F1E104ZT +1608		00D2570512903	1		
	C8515	00MOA47602521	47 UF M 25V RA-2		00MOA47602521	1		
	C8516	00D2544573949	CE04W1H010MT(RA3)		00D2544573949	1		
	C8517-8519	nsp	CK73F1E104ZT +1608		00D2570512903	3		
	C8530	00MOA47602521	47 UF M 25V RA-2		00MOA47602521	1		
!	C8901	00D2538029713	CK45F2EAC471KC(KX)		00D2538029713	1		
	C9901,9902	00MOF55103581	0.01UF 100V +- 5% FNS	N/K	00MOF55103581	2		
	OTHER PARTS GROUP							
	B1201	nsp	4P L=70 EH-SCN UL1430 AWG26		61205058100AS	1	*	
	B1801	nsp	3P L=160 EH-SCN UL1430 AWG26		61205058200AS	1	*	
	B1901	nsp	EHR-SCN 2.5MMPICH DIP TYPE 3PIN 10CM		120106230070	1		
	B2002	nsp	SIN-SRA 1PIN 16CM		612050090005M	1		
	B2003	nsp	EHR-SCN 3P 150MM(SHIELD WIRE)		120500030070	1		
	B2004	nsp	EHR-SCN 5PIN 17CM		612050088002M	1		
	B2701	nsp	EHR-SCN 6PIN 14CM		612050092001M	1		
	B9901	nsp	SIN-SRA 1PIN 11CM		612050089005M	1		
!	F8510	520100170060	# T5A L 250V 0218005.MXP	F	520100170060	1		
!	F8520	520100150000	02183.15MXP	N/K	520100150000	1		
!	F8520	520100180090	021806.3MXP (FUSE 6.3A 250V)	U/F	520100180090	1		
	H8511,8512	nsp	FUSE CLIP(TAPE)	F	00D2020040909	2		
	H8521,8522	nsp	FUSE CLIP(TAPE)		00D2020040909	2		
!	K8501	64105002800AS	AC OUTLET (AC-181-UL-11H)	F	64105002800AS	1		
	K8502	643010103006S	RCA PIN JACK 2P NI MSP-242V1-24		643010103006S	1		
	K9901	00MYJ01005170	JY-6313_01-030 6.4D PHONE JACK		00MYJ01005170	1		
	L1001,1002	nsp	MLB-1608-1000A-N2		00MFC9002021Y	2		
	L8501-8503	nsp	MLB-1608-1000A-N2		00MFC9002021Y	3		
	N1001	nsp	B10B-PH-K-S (LF)(SN)		00MYJ06006300	1		
	N1002	nsp	S4B-EH		00MYP06003940	1		
	N1003	nsp	B13B-PH-K-S (LF)(SN)		00MYJ06006330	1		
	N1004	nsp	B12B-PH-K-S (LF)(SN)		00MYJ06006320	1		
	N1005	nsp	B6B-EH-TS (LF)(SN) 6P RADIAL TAPING JST		00MYP0600384X	1		
	N1006	nsp	B4B-EH-TS (LF)(SN) 4P RADIAL TAPING		00MYP0600391X	1		
	N1007	nsp	S3B-EH		00MYP06003930	1		
	N2501	nsp	B12B-PH-K-S (LF)(SN)		00MYJ06006320	1		
	N8501,8502	nsp	CONNECTOR 2P B3P-VH		00MYP04000760	2		
	N8503	nsp	B3B-EH-TS (LF)(SN) 3P RADIAL TAPING		00MYP0600383X	1		

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	N8504	nsp	JST 3P-PLUG B3P-VH P=3.96M/M		00MYP06006860	1		
	N8505	nsp	CONNECTOR 2P B3P-VH		00MYP04000760	1		
	N8506	nsp	05FMN-SSTK-A FFC CONNECTOR		00MYJ07060400	1		
	N8507	nsp	B10B-PH-K-S (LF)(SN)		00MYJ06006300	1		
	N8901	nsp	2P PLUG B2P3S-VH		00MYP06013300	1		
	N9901	nsp	S3B-EH		00MYP06003930	1		
	S1251	00D2120407002	ROTALY SW.(SRRM-12)		00D2120407002	1		
	S2701-2704	66201000830AS	TACT SW		66201000830AS	4		
!	S8501	00D2140241002	RELAY DL1SU TV-8		00D2140241002	1		
!	S8901	66105000300AS	POWER SWITCH (TV-5)		66105000300AS	1		
!	T8501	10101014200AM	SUB TRANS (N) A363	N/K	10101014200AM	1		
!	T8501	10101014400AM	SUB TRANS (U) A363	U	10101014400AM	1		
!	T8501	10101014300AM	SUB TRANS (F) A363	F	10101014300AM	1		
	V2001-2003	750100020070	4K14K124003J		750100020070	3		
	V2004	750100030000	RK14K1240D0P		750100030000	1		
	X1001	00MFQ08004061	CSTS MG 8MHZ TAPING(15PF)		00MFQ08004061	1		
	Z8501	nsp	HEAT SINK		00M009D267010	1		
	Z8502	nsp	SCREW		00M51100308M9	1		
	Z8503	nsp	STYLE PIN		00D2050452017	1		
	Z8504	nsp	GND TERMINAL FOR PCB		00MYL01010241	1		
	Z8505	nsp	STYLE PIN		00D2050452017	1		

PHONO SPK PCB ASS'Y

※Parts indicated by "nsp"on this table cannot be supplied.

※The parts listed b NOTE:The symbols in the column Remarks indicate the following destinations.

U : North America model N : Europe model K : China model F : Japan model

B : Black model SG : Silver gold model

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	SEMICONDUCTORS GROUP							
	D4001-4016	20105001130AS	1SS133(HOMI)		20105001130AS	16		
	D7501-7503	20105001130AS	1SS133(HOMI)		20105001130AS	3		
	Q4001,4002	21105002140AS	KSA992FTA		21105002140AS	2		
	Q4003,4004	21305002440AS	KSC1845FTA		21305002440AS	2		
	Q4005,4006	21105002140AS	KSA992FTA		21105002140AS	2		
	Q4007-4012	21305002440AS	KSC1845FTA		21305002440AS	6		
	Q4013-4018	21105002140AS	KSA992FTA		21105002140AS	6		
	Q4019,4020	21305002440AS	KSC1845FTA		21305002440AS	2		
	Q4021,4022	21105002140AS	KSA992FTA		21105002140AS	2		
	Q4023,4024	21305002440AS	KSC1845FTA		21305002440AS	2		
	Q4025,4026	21105002140AS	KSA992FTA		21105002140AS	2		
	Q4027-4030	21305002440AS	KSC1845FTA		21305002440AS	4		
	Q4031,4032	21105002140AS	KSA992FTA		21105002140AS	2		
	Q4033-4036	21305001240AS	KTC3198-GR-AT/P		21305001240AS	4		
	Q4037-4042	00D2710300904	KTA1266-GR-AT/P		00D2710300904	6		
	Q4043,4044	21305001240AS	KTC3198-GR-AT/P		21305001240AS	2		
	RESISTOR GROUP							
	R2901-2904	nsp	RD14B2E224JT(5)		00D2412404917	4		
	R2907,2908	nsp	RD14B2E102JT(5)		00D2412398955	2		
	R4001,4002	nsp	RD14B2E682JT(5)	N/K	00D2412400953	2		
	R4003,4004	nsp	RD14B2E334JT(5)		00D2412404959	2		
	R4005,4006	nsp	RD14B2E563JT(5)		00D2412402977	2		
	R4007,4008	nsp	RD14B2E101JT(5)	N/K	00D2412396928	2		
	R4007,4008	nsp	RD14B2E330JT(5)	U/F	00D2412395903	2		
	R4009,4010	nsp	RD14B2E104JT(5)		00D2412403934	2		
	R4011-4014	nsp	RD14B2E561JT(5)		00D2412397998	4		
	R4015-4018	nsp	RD14B2E220JT(5)		00D2412394962	4		
	R4019,4020	nsp	RD14B2E820JT(5)		00D2412396902	2		
	R4021-4024	nsp	RD14B2E220JT(5)		00D2412394962	4		
	R4025,4026	nsp	RD14B2E471JT(5)		00D2412397972	2		
	R4027,4028	nsp	RD14B2E104JT(5)		00D2412403934	2		
	R4029,4030	nsp	RD14B2E471JT(5)		00D2412397972	2		
	R4031-4034	nsp	RD14B2E221JT(5)		00D2412397901	4		
	R4035,4036	nsp	RD14B2E153JT(5)		00D2412401936	2		
	R4037-4040	nsp	RD14B2E220JT(5)		00D2412394962	4		
	R4041,4042	nsp	RD14B2E153JT(5)		00D2412401936	2		
	R4043-4046	nsp	RD14B2E100JT(5)		00D2412393989	4		
	R4047,4048	nsp	RD14B2E104JT(5)		00D2412403934	2		
	R4049,4050	nsp	RD14B2E682JT(5)		00D2412400953	2		
	R4051,4052	nsp	RD14B2E564JT(5)		00D2412405916	2		
	R4053,4054	nsp	RD14B2E101JT(5)		00D2412396928	2		
	R4055-4060	nsp	RD14B2E220JT(5)		00D2412394962	6		
	R4061,4062	nsp	RD14B2E473JT(5)		00D2412402951	2		
	R4063-4066	nsp	RD14B2E220JT(5)		00D2412394962	4		
	R4067-4070	nsp	RD14B2E473JT(5)		00D2412402951	4		
!	R4071-4074	00MGG0510016X	10 OHM +- 5% 1/6W		00MGG0510016X	4		
	R4075,4076	nsp	RD14B2E104JT(5)		00D2412403934	2		
	R4077,4078	nsp	RD14B2E101JT(5)		00D2412396928	2		
!	R7501,7502	00MGG0510016X	10 OHM +- 5% 1/6W		00MGG0510016X	2		
	R7503,7504	00MNK05331020	330 OHM +- 5% 2W		00MNK05331020	2		
	R7505	00MGG0510016X	10 OHM +- 5% 1/6W		00MGG0510016X	1		
!	R7511,7512	1240500010030	MOS2CL15A100J10OHM +-5% 2W		1240500010030	2		
	CAPACIITORS GROUP							
	C2907,2908	133050086510S	CQ93M2A471JT(PEF)		133050086510S	2		
	C2909,2910	00MDD38104011	50V DC 0.1UF +80 -20%		00MDD38104011	2		
	C4000	00MDD38104011	50V DC 0.1UF +80 -20%		00MDD38104011	1		
	C4001,4002	00MOF55221591	220PF 200V +- 10% FAS	N/K	00MOF55221591	2		
	C4003,4004	00MOA106035Z1	ROS-35V 100M - F3#PE - T2 (10UF 35V)		00MOA106035Z1	2		
	C4005,4006	00MOF55101591	100PF 200V +- 10% FAS		00MOF55101591	2		
	C4007,4008	133050125415S	CQ93E2A821JT(FNS)		133050125415S	2		
	C4009,4010	00MOF55332581	3300PF 100V FNS		00MOF55332581	2		
	C4011,4012	00MOF55102581	1000PF 100V FNS		00MOF55102581	2		
	C4013,4014	00MOF55393586	0.039UF 100V +- 5% FAS		00MOF55393586	2		
	C4015,4016	00MOF55103581	0.01UF 100V +- 5% FNS		00MOF55103581	2		
	C4017,4018	00D2544578711	CE04W1C222MC(RA3)		00D2544578711	2		
	C4019-4022	00MOA227025R1	ROA-25V 221M -H5#PE - T2 (220UF 25V)		00MOA227025R1	4		
	C4023,4024	00MOA106035Z1	ROS-35V 100M - F3#PE - T2 (10UF 35V)		00MOA106035Z1	2		
	C5901	00MOF55103581	0.01UF 100V +- 5% FNS		00MOF55103581	1		
	C7501,7502	00MOF55103581	0.01UF 100V +- 5% FNS	N/K	00MOF55103581	2		
	C7503,7504	00MOA225100Z1	ROS-100V2R2 F3#PE-T2		00MOA225100Z1	2		
	C7509	00MOA225100Z1	ROS-100V2R2 F3#PE-T2		00MOA225100Z1	1		
	C7511,7512	00MOF55393586	0.039UF 100V +- 5% FAS		00MOF55393586	2		
	OTHER PARTS GROUP							
	B2901	nsp	EHR-SCN 2.5MMPICH DIP TYPE 6PIN 8CM		120105770050	1		
	B4001	nsp	EHR-SCN 2.5MMPICH DIP TYPE 5PIN 8CM		120105920040	1		
	K2901,2902	643810029001S	RCA PIN JACK 2P AU MSP-242V3-12 GILT LF		643810029001S	2		
	K4001	643810029001S	RCA PIN JACK 2P AU MSP-242V3-12 GILT LF		643810029001S	1		
	L4001,4002	00MLC13240010	320 MH CHOKE COIL (TOROIDAL)	N/K	00MLC13240010	2		
	N5901	nsp	B3B-EH-TS (LF)(SN) 3P RADIAL TAPING		00MYP0600383X	1		
	N5902	nsp	13P SOCKET(C125Z2)		645010057017S	1		
	N7501	nsp	4P-PLUG B4P-VH		00MYP06003890	1		
	N7502	nsp	B4B-EH-TS (LF)(SN) 4P RADIAL TAPING		00MYP0600391X	1		
	N7503	nsp	B3B-EH-TS (LF)(SN) 3P RADIAL TAPING		00MYP0600383X	1		
	S7501,7502	00D2140209002	RELAY FTR-F1AD024V		00D2140209002	2		
	S7503	00D2140208003	RELAY(NA24W-K)		00D2140208003	1		
	V5901	0750100040030	RK27112MC		0750100040030	1		Ver.3
	Z5902	nsp	RETAINER		00M320J104010	1		
	Z7501-7508	nsp	SPK CONTACTOR		00M04AJ123010	8		
	Z7509-7511	nsp	STYLE PIN		00D2050452017	3		

EXPLODED

※Parts indicated by "nsp"on this table cannot be supplied.

※The parts listed b NOTE:The symbols in the column Remarks indicate the following destinations.

U : North America model N : Europe model K : China model F : Japan model

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	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	P1	nsp	MAIN PWB UNIT		8U-110150-1	1	*	
	P2	nsp	POWER STAGE PCB		8U-110150-2	1	*	
	★P3	nsp	WIRE PROTECTION PWB UNIT		8U-110150-3	1	*	
	P4	nsp	u-COM PCB		8U-110151-1	1	*	
	P5	nsp	STANDBY LED PCB		8U-110151-2	1	*	
	P6	nsp	INPUT SEL PCB		8U-110151-3	1	*	
	P7	nsp	TONE PCB		8U-110151-4	1	*	
	P8	nsp	HEADPHONE PCB		8U-110151-5	1	*	
	P9	nsp	CLAMP PCB		8U-110151-6	1	*	
	P10	nsp	POWER SW PCB		8U-110151-7	1	*	
	P11	nsp	STANDBY PCB		8U-110151-8	1	*	
	P12	nsp	PHONO AMP PCB		8U-110152-1	1	*	
	P13	nsp	SPK TERMINAL PCB		8U-110152-2	1	*	
	P14	nsp	VOLUME PCB		8U-110152-3	1	*	
	0010F	40241037801AM	FRONT PANEL	B	40241037801AM	1	*	
	0010F	40241037800AM	FRONT PANEL	SG	40241037800AM	1	*	
	0020F	421410006004M	MARANTZ BADGE (AL) FOR M1 MODEL		421410006004M	1		
	0030F	42141003201AM	BADGE (MARANTZ STAR)	B	42141003201AM	1	*	
	0030F	42141003200AM	BADGE (MARANTZ STAR)	SG	42141003200AM	1	*	
	0050F	422410013005M	ESCUTCHEON CENTER BASE BL PM7003 24AJ	B	422410013005M	1		
	0050F	422410013036M	ESCUTCHEON CENTER BASE SG PM7003 24AJ	SG	422410013036M	1		
	0040F	422410012002M	ESCUTCHEON CENTER PM7003 24AJ		422410012002M	1		
	0290F	481510004009M	LENS IR BL PM7003 24AJ	B	481510004009M	1		
	0290F	481510004047M	LENS IR WH PM7003 24AJ	SG	481510004047M	1		
	0060F	423410006000M	LENS FUNCTION PM7003 24AJ		423410006000M	7		
	0070F	443410006103M	FRONT CENTER MOLD BL PM7004 A334	B	443410006103M	1		
	0070F	443410006134M	FRONT CENTER MOLD SG PM7004 A334	SG	443410006134M	1		
	0160F	402410034008M	ESCUTCHEON R BL PM7003 24AJ	B	402410034008M	1		
	0160F	402410034039M	ESCUTCHEON R SG PM7003 24AJ	SG	402410034039M	1		
	0080F	424510004006M	RING VOLUME BL PM7003 24AJ	B	424510004006M	2		
	0080F	424510004037M	RING VOLUME SG PM7003 24AJ	SG	424510004037M	2		
	0100F	40251037901AM	ESCUTCHEON (L)	N1B/U1B	40251037901AM	1	*	
	0100F	40251037902AM	ESCUTCHEON (L)	K1B	40251037902AM	1	*	
	0100F	40251037900AM	ESCUTCHEON (L)	SG	40251037900AM	1	*	
	0180F	nsp	STAY SA7003 33AK		442310004006M	1		
	0120F	481510003006M	LENS		481510003006M	1		
	0300F	411510028006M	BUTTON BL PM7003 24AJ	B	411510028006M	4		
	0300F	411510028037M	BUTTON SG PM7003 24AJ	SG	411510028037M	4		
	★W0011	nsp	PHR-PHR 2.0MMPICH 12PIN 14CM		0120102780010	1		
	★0330F	nsp	WIRE CLAMPER		00M303V005010	1		
	★W0007	nsp	10P L=400 PH-PH UL1061 AWG28		61205058300AS	1	*	
	0130F	411510027003M	BUTTON PUSH BL PM7003 24AJ	B	411510027003M	1		
	0130F	411510027034M	BUTTON PUSH SG PM7003 24AJ	SG	411510027034M	1		
	★W0003	nsp	VAR-VAR 7.92MMPICH 1PIN:BR.2PIN:BR22CM		120108950000	1		
	★WA001	nsp	EHR3 EHR3 EHR4 CORD ASSY		614010001003M	1		
	0010H	nsp	MAIN HEATSINK		00M14AJ267010	1		
	0090H	nsp	BRACKET		00M14AJ160030	1		
	0020H	nsp	HEATSINK BRACKET		00M14AJ160010	2		
!	Q7013	nsp	TRANSISTOR 2SA1303 (O P OR Y) PC=125W		00MHT113033A0	1		
!	Q7014	nsp	TRANSISTOR 2SA1303 (O P OR Y) PC=125W		00MHT113033A0	1		
!	Q7011	nsp	2SC3284 (O P OR Y) PC=125W		00MHT332843A0	1		
!	Q7012	nsp	2SC3284 (O P OR Y) PC=125W		00MHT332843A0	1		
	0040H	nsp	STUD M3 9mm		45231001300AS	6		
	★W0008	nsp	VHR-VHR(NTYPE)3.96MM 4PIN 19CM		612050091008M	1		
	0010R	nsp	REAR PANEL	N	40631013600AM	1	*	
	0010R	nsp	REAR PANEL	U	40631013602AM	1	*	
	0010R	nsp	REAR PANEL	K	40631013603AM	1	*	
	0010R	nsp	REAR PANEL	F	40631013601AM	1	*	
	0120R	nsp	SPEAKER PCB STUD		00M04AJ101010	2		
	J0002	nsp	TERMINAL		00MYL03010330	1		
	J0003-J0006	646710024006M	SPKT-1 RED		646710024006M	4		
	J0007-J0010	646710025009M	SPKT-1 WHITE		646710025009M	4		
	0110R	nsp	SP SPACER		00M15AJ118023	8		
	0100R	nsp	SPEAKER NUT		00M04AJ011010	8		
	★0012R	nsp	TOP COVER SHEET		00M14AJ107010	1		
!	J0001	00D2033996008	AC INLET (2P)		00D2033996008	1		
	★W0002	120109160060	VAR-NO CN7.92MMPICH1PIN:BR.2PIN:BL10CM		120109160060	1		
	0010C	nsp	CHASSIS		00M14AJ105014	1		
	0040C	nsp	BOTTOM LID PM8001(15AJ)		00M15AJ257013	2		
	0080C	nsp	FOOT		00M243W057310	4	*	
	0210C	nsp	CUSHION FOOT CHG1A360		00M32CW107010	4		
	0092C	nsp	3 WASHER		0RD4751130005	4		
	0280C	nsp	BRACKET SA7003 33AK		444310036009M	2		
	★0270C	nsp	WASHER		00M281K118010	2		
	0250C	442310006002M	SIDE RETAINER R PM7003 24AJ		442310006002M	1		
	0230C	nsp	SIDE RETAINER L PM7003 24AJ		442310005009M	1		
	0180C	nsp	PHONO PCB BRACKET		00M14AJ160020	1		
	0020C	nsp	SCREW STOPPER		00M14AJ114010	1		
	0140C	nsp	PCB SUPPORT RICHICO		00M14AJ101010	1		
	★0011R	nsp	TAPE PERMACEL PTFE FILM P-422 15MM X 33M		554010001002S	430		
	★W0005	nsp	PH-PH 13PIN L=14CM		00MYA02131410	1		
	0300C	nsp	CONTACTOR PM7003 24AJ		488410003008M	1		
	★L0002	nsp	GTFCK-16-8-13 FERRITECORE		11701001800AS	1		
	0220C	nsp	WIRE CLAMPER		453510024008M	1		
!	L0001	1010100030088	POWER TRANSFORMER 230V	N/K	1010100030088	1		
!	L0001	101010024005M	#POWER TRANSFORMER FOR 120V	U	101010024005M	1		
!	L0001	1010100040018	POWER TRANSFORMER 100V	F	1010100040018	1		
	0320F	00M14AJ107010	TOP COVER SHEET		00M14AJ107010	3		
	0010T	00M14AJ257320	TOP COVER BL PM7003 24AJ	B	00M14AJ257320	1		
	0010T	00M14AJ257312	TOP COVER SG PM7003 24AJ	SG	00M14AJ257312	1		
	0050T	436510015023M	BUFFER TOP COVER INSIDE PM7003 24AJ		436510015023M	2		
	0035T	00M411K118012	SPACER		00M411K118012	1		
	0270F	41201011001AM	KNOB AL ASSY	B	41201011001AM	1	*	
	0270F	41201011000AM	KNOB AL ASSY	SG	41201011000AM	1	*	
	0280F	412410008006M	KNOB AL CAP POINTER BL PM7003 24AJ	B	412410008006M	1		
	0280F	412410008037M	KNOB AL CAP POINTER SG PM7003 24AJ	SG	412410008037M	1		
	0260F	412410010009M	KNOB AL CAP S BL PM8003 25AJ	B	412410010009M	4		
	0260F	412410010030M	KNOB AL CAP S SG PM8003 25AJ	SG	412410010030M	4		

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	S01	nsp	SCREW:CD LID EARTH		00M51100304M9	4		
	S02	nsp	SCREW		00M51100306M9	1		
	S03	nsp	SCREW		00M51100308M9	4		
	S04	nsp	B.T.SCREW EX600240		00M51260308M0	15		
	S05	nsp	SCREW		00M51270308M0	11		
	S05	nsp	SCREW	F	00M51270308M0	13		
	S06	nsp	SCREW		00M51280308M0	46		
	S07	nsp	SCREW-B		00M51280308U0	4		
	S08	nsp	SCREW		00M51280310M0	14		
	S09	nsp	SCREW		00M51280312M0	8		
	S10	nsp	SCREW		00M51290308M0	10		
	S11	nsp	SCREW		00M51290312M0	1		
	S12	nsp	SCREW		00M51290410M0	4		
	S13	nsp	SCREW		00M51460306M9	5		
	S14	nsp	SCREW		00M51480306M9	6		
	S15	nsp	SCREW		00M51480315M9	4		
	S16	nsp	SCREW		00M51500308M0	4		
	S17	nsp	SCREW		00M54050300M0	1		
	S18	nsp	SPECIAL SCREW		0RD4770262019	1		

PACKING

※Parts indicated by "nsp"on this table cannot be supplied.

※The parts listed b NOTE:The symbols in the column Remarks indicate the following destinations.

U : North America model N : Europe model K : China model F : Japan model

B : Black model SG : Silver gold model

	REF No.	Part No.	Part Name	Remarks		Q'ty	New	Ver
	0010P	53121038500AM	PACKING CASE		53121038500AM	1	*	
	0070P	537210014001M	REINFORCE		537210014001M	4		
	0040T	nso	LABEL (HOT SURFACE CAUTION)		544510081006M	1		
	0020P	53361021900AM	CUSHION ASSY		53361021900AM	1	*	
	├1001P	nsp	CUSHION BOTTOM		53361018900AM	1	*	
	└1002P	nsp	CUSHION TOP		53361019000AM	1	*	
	0022P	nsp	CUSHION PAD		53261003000AD	2	*	
	0050P	nsp	CABINET COVER		00D5050131076	1		
	0080P	nsp	POLY COVER		00D5050038072	1		
!	├W0001	00MZC01803080	# 2P AC CORD 10A 250V CLASS2	N	00MZC01803080	1		
!	├W0001	00MZC01803100	# AC CORD UL/CSA 10A 125V	U	00MZC01803100	1		
!	├W0001	00D2062249001	AC CORD (E1C)	K	00D2062249001	1		
!	└W0001	611050028007S	AC CORD 2P(JP)	F	611050028007S	1		
	0020A	30701015800AM	RC002PMSA		30701015800AM	1		
	0030A	nsp	BATTERY (R03X2) EASTPOWER		69105000500AS	1		
	A	-	ENVELOPE SUB ASSY		-	1		
	├0010A	nsp	ENVELOPE		535510048005S	1		
	├0060U	54111109400AM	GETTING STARTED (N)	N	54111109400AM	1	*	
	├0060U	54111109500AM	GETTING STARTED (U)	U	54111109500AM	1	*	
	├0060U	54111109700AM	GETTING STARTED (K)	K	54111109700AM	1	*	
	├0060U	54111109600AM	GETTING STARTED (F)	F	54111109600AM	1	*	
	├0010U	35201026700AM	INST.MANUAL(CD-ROM. N)	N	35201026700AM	1	*	
	├0010U	35201026800AM	INST.MANUAL(CD-ROM. U)	U	35201026800AM	1	*	
	├0010U	35201026500AM	INST.MANUAL(CD-ROM. K)	K	35201026500AM	1	*	
	├0010U	54111110300AM	INST.MANUAL(F)	F	54111110300AM	1	*	
	├0040U	nsp	SHEET SERVICE ADRESS(F)	F	00M416K851235	1		
	├0050U	nsp	SAFETY INSTRUCTIONS (N)	N	54311027200AM	1		
	├0050U	nsp	SAFETY INSTRUCTIONS (U)	U	54311029900AM	1		
	├0050U	nsp	SAFETY INSTRUCTIONS (E1C)	K	54311029800AD	1		
	├0050U	nsp	SAFETY INSTRUCTIONS (E1C)	F	54111093410AD	1		
	├0030U	nsp	WARRANTY CANADA	U	00M183J854018	1		
	├0030U	nsp	USER CARD (F)	F	00M21AK865019	1		
	└0070U	nsp	GOST FLY SHEET	N	54311030200AM	1	*	
	0060P	nsp	LABEL FOR PKG SG	SG	544110091014M	2		
	0020U	nsp	WARRANTY USA	U	54311010512AM	1		
	0020U	nsp	WARRANTY FOR CHINA MARANTZ	K	8W5431016600M	1		
	0020U	nsp	WARRANTY F (HOSHOUSHO)	F	00M27AK854013	1		
	0040P	nsp	CONT.LABEL SUB ASSY	N1B	8W5451024600M	1		
	0040P	nsp	CONT.LABEL SUB ASSY	N1SG	8W5451024500M	1		
	0040P	nsp	CONT.LABEL SUB ASSY	U	8W5451024800M	1		
	0040P	nsp	CONT.LABEL SUB ASSY	K	8W5451024900M	1		