

DENON

Ver. 2

Please refer to the
MODIFICATION NOTICE.

SERVICE MANUAL

MODEL	JP	E3	E2	EK	EA	E1C	E1K	EUT
PMA-2020AE			✓			✓		

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.

DENON

D&M Holdings Inc.

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ABOUT THIS MANUAL

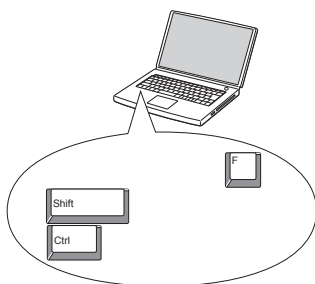
Read the following information before using the service manual.

What you can do with this manual

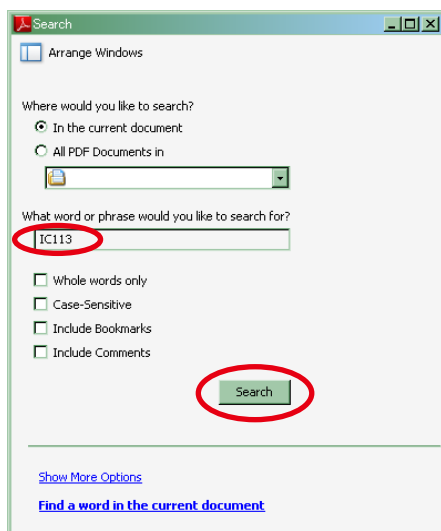
Search for a Ref. No. (phrase) (Ctrl+Shift+F)

You can use the search function in Acrobat Reader to search for a Ref. No. in schematic diagrams, printed wiring board 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.

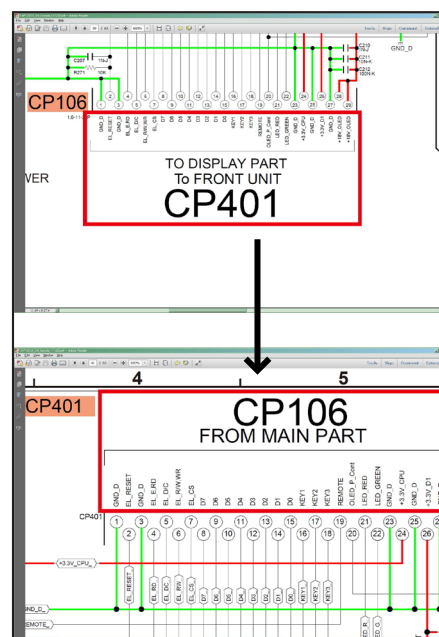


3. Click an item on the list.
 - The screen jumps to the page for that item, and the search phrase is displayed.

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)

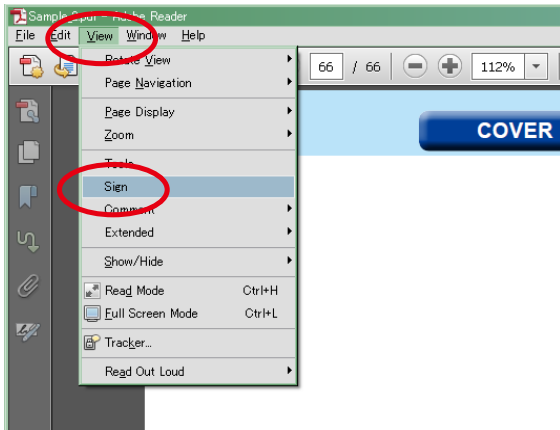
The Sign function lets you add notes to the data in this manual.

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]

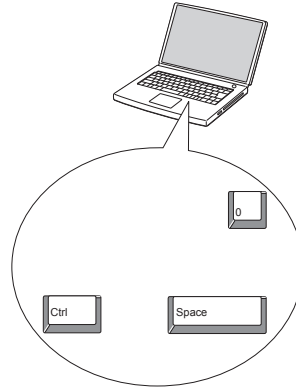
On the "Document" menu, click "Sign".

Magnify schematic / printed wiring 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.



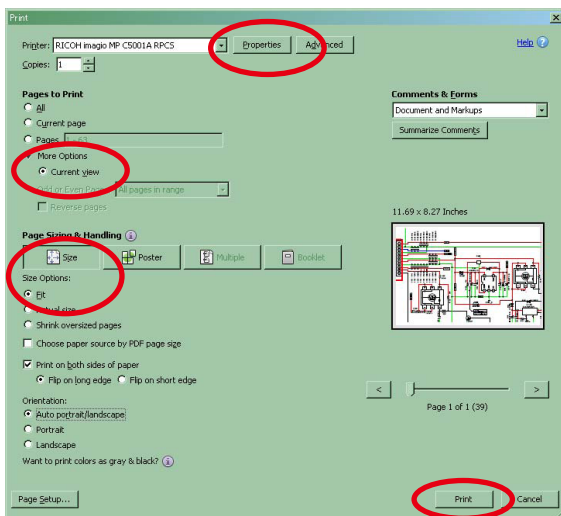
- When you want to move the area shown, hold down **Space** and drag the mouse.

- 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.

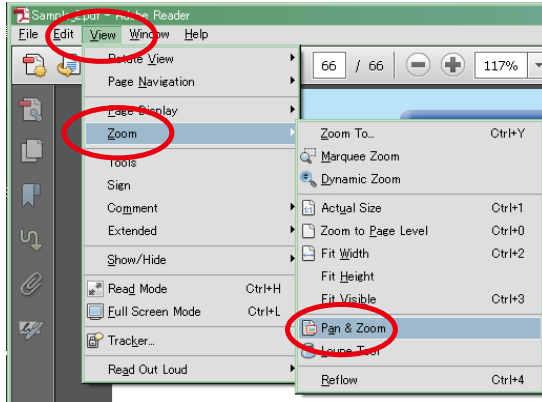
Magnify schematic / printed wiring board diagrams - 2

(Pan & Zoom function)

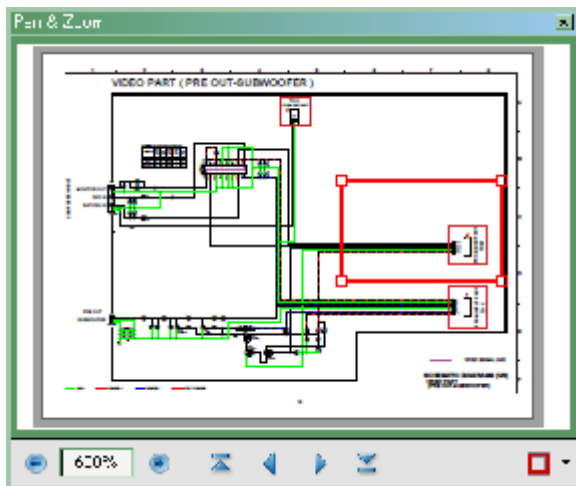
The Pan & Zoom function lets you see which part of a magnified diagram is being shown in a separate window.

[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".

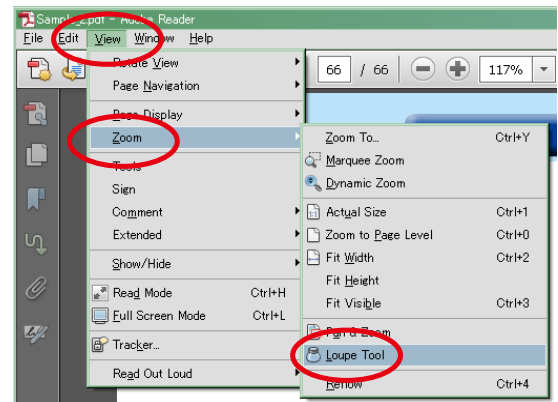
Magnify schematic / printed wiring board diagrams - 3

(Loupe Tool function)

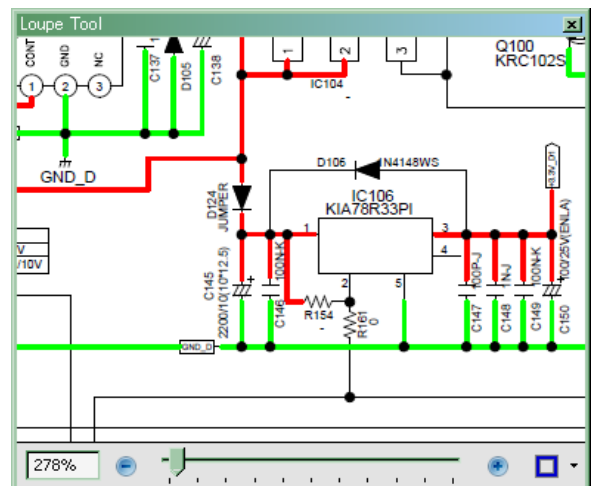
The Loupe Tool function lets you magnify a specific part of a diagram in a separate window.

[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 reasons, 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 $\triangle$ 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.
5. General-purpose Carbon Film Resistor in the P.W.Board parts list. (Refer to the Schematic Diagram for those parts.)
6. General-purpose Carbon Chip Resistors are not included are not included in the P.W.Board parts list. (Refer to the Schematic Diagram for those parts.)

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

TECHNICAL SPECIFICATIONS

❑ Power amplifier section

Rated output power : 2-channel driving (CD → SP OUT)
80 W + 80 W (8 Ω, 20 Hz – 20 kHz, T.H.D. 0.07 %)

Dynamic power : 160 W + 160 W (4 Ω, DIN, 1 kHz, T.H.D. 0.7 %)

High frequency distortion : 0.01 % (Rated output: –3 dB), 8 Ω, 1 kHz

Output terminals : Speaker A or B: 4 – 16 Ω
A + B: 8 – 16 Ω
Suited for headphones/stereo headphones

Input Sensitivity / Input Impedance : P. DIRECT: 0.9 V / 47 kΩ
Amplification factor: 29 dB

❑ Pre amplifier section

Equalizer amplifier output (REC OUT terminals) : 150 mV

Input sensitivity/Input impedance :
PHONO (MM): 2.5 mV/47 kΩ
PHONO (MC): 200 μV/100 Ω
CD, TUNER, AUX, NETWORK, RECORDER-1, RECORDER-2:
135 mV / 47 kΩ (SOURCE DIRECT OFF)
135 mV / 23 kΩ (SOURCE DIRECT ON)

RIAA Deviation : PHONO : 20 Hz – 20 kHz ±0.5 dB

Maximum Input : PHONO (MM): 130 mV/1 kHz
PHONO (MM): 10 mV/1 kHz

Rated Output : PRE OUT: 0.9 V (Input CD 135 mV)

❑ Overall performance

S/N Ratio (A network) :
PHONO (MM): 89 dB
(With input terminals short-circuited, 5 mV input signal)
PHONO (MC): 74 dB
(With input terminals short-circuited, 0.5 mV input signal)
CD, TUNER, AUX, NETWORK, RECORDER-1, RECORDER-2:
108 dB (input terminals short-circuited)

Tone control (bass) : BASS: 100 Hz ±8 dB
TREBLE: 10 kHz ±8 dB

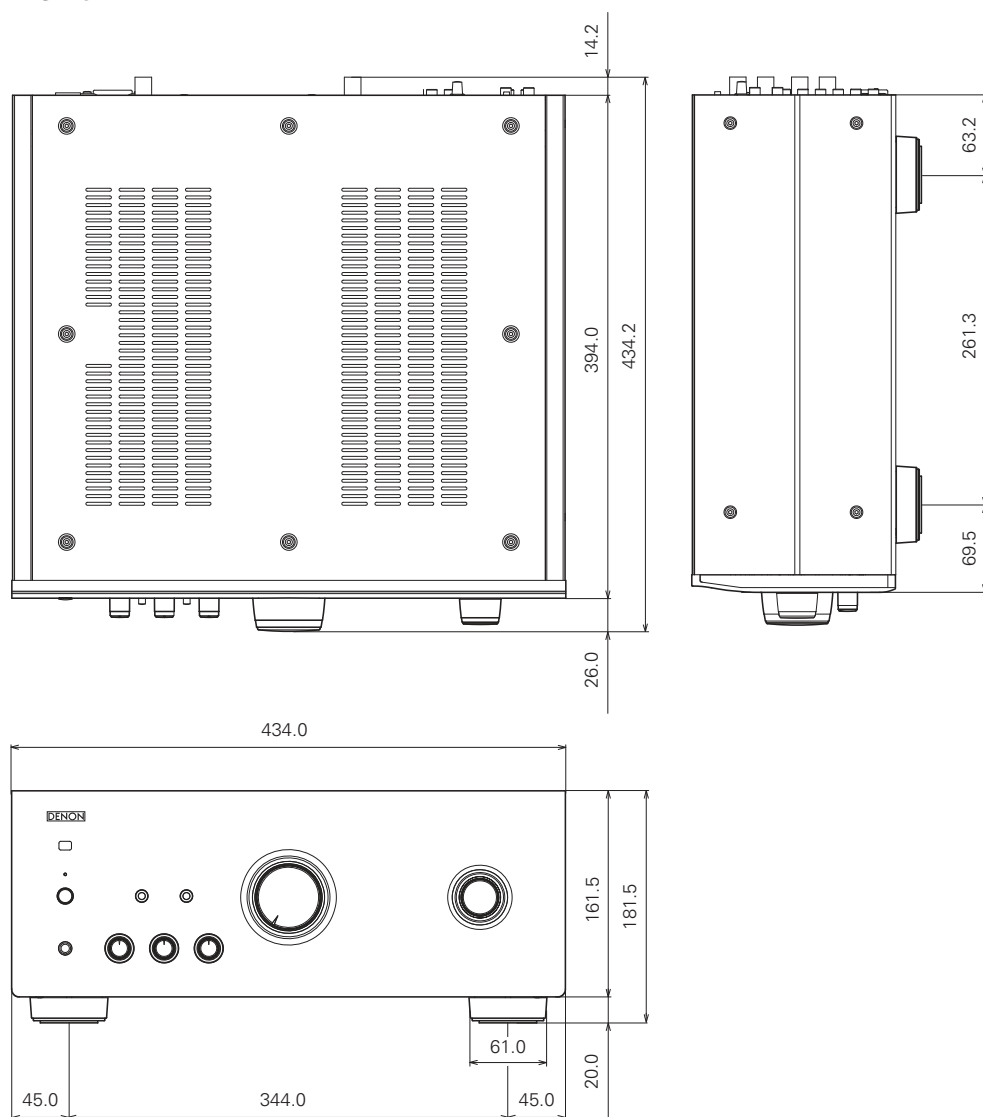
❑ General

Power supply : AC 230 V, 50/60 Hz
Power consumption : 360 W
0.2 W (Standby)

* For the purpose of improvement, the specifications and design are subject to change without notice.

DIMENSION

Unit : mm



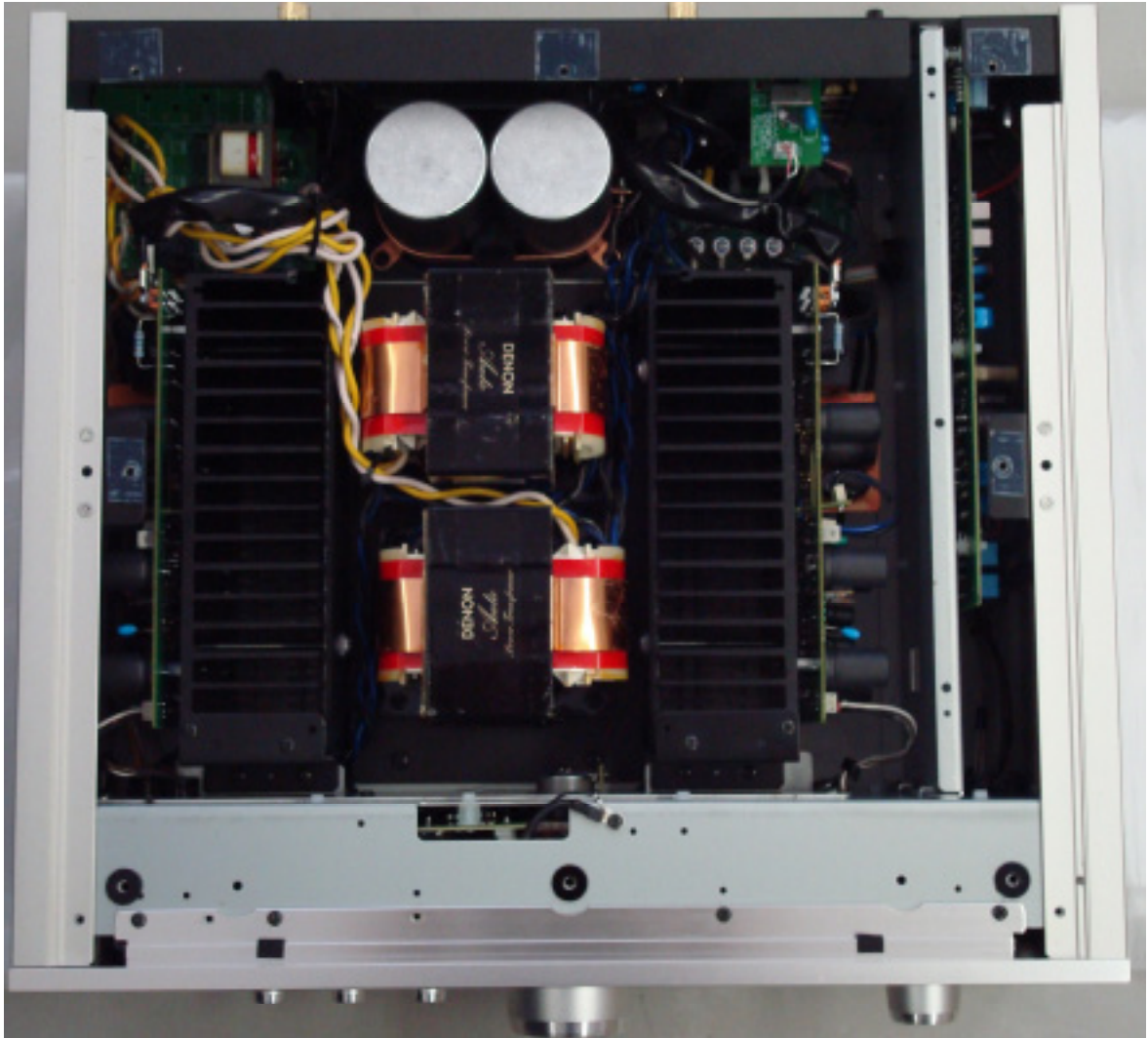
Weight : 24.4 kg

WIRE ARRANGEMENT

If wire bundles are untied or moved to perform adjustment or parts replacement 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.

Wire arrangement viewed from the top

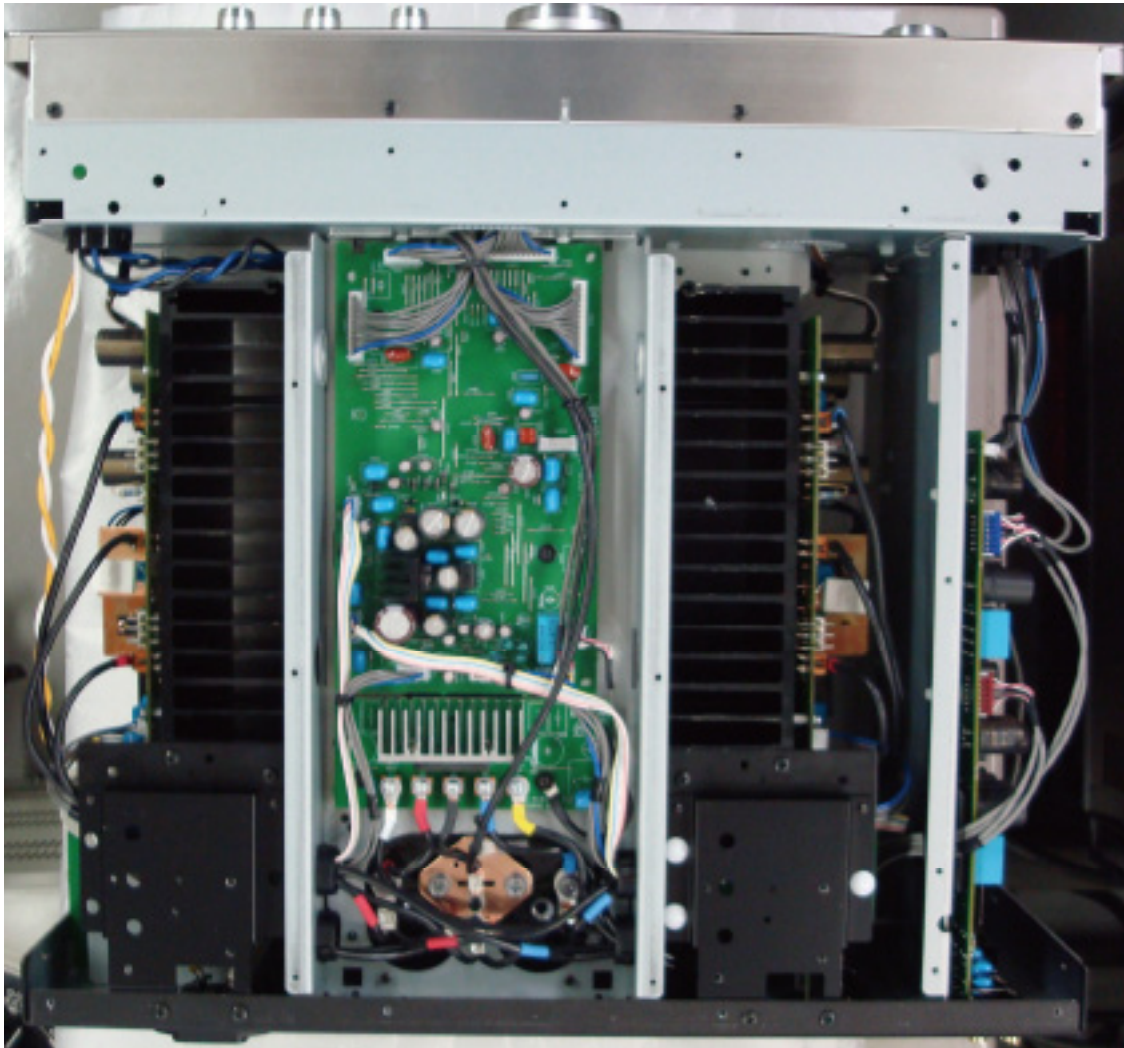
Front Panel side



Back Panel side

Wire arrangement viewed from the bottom

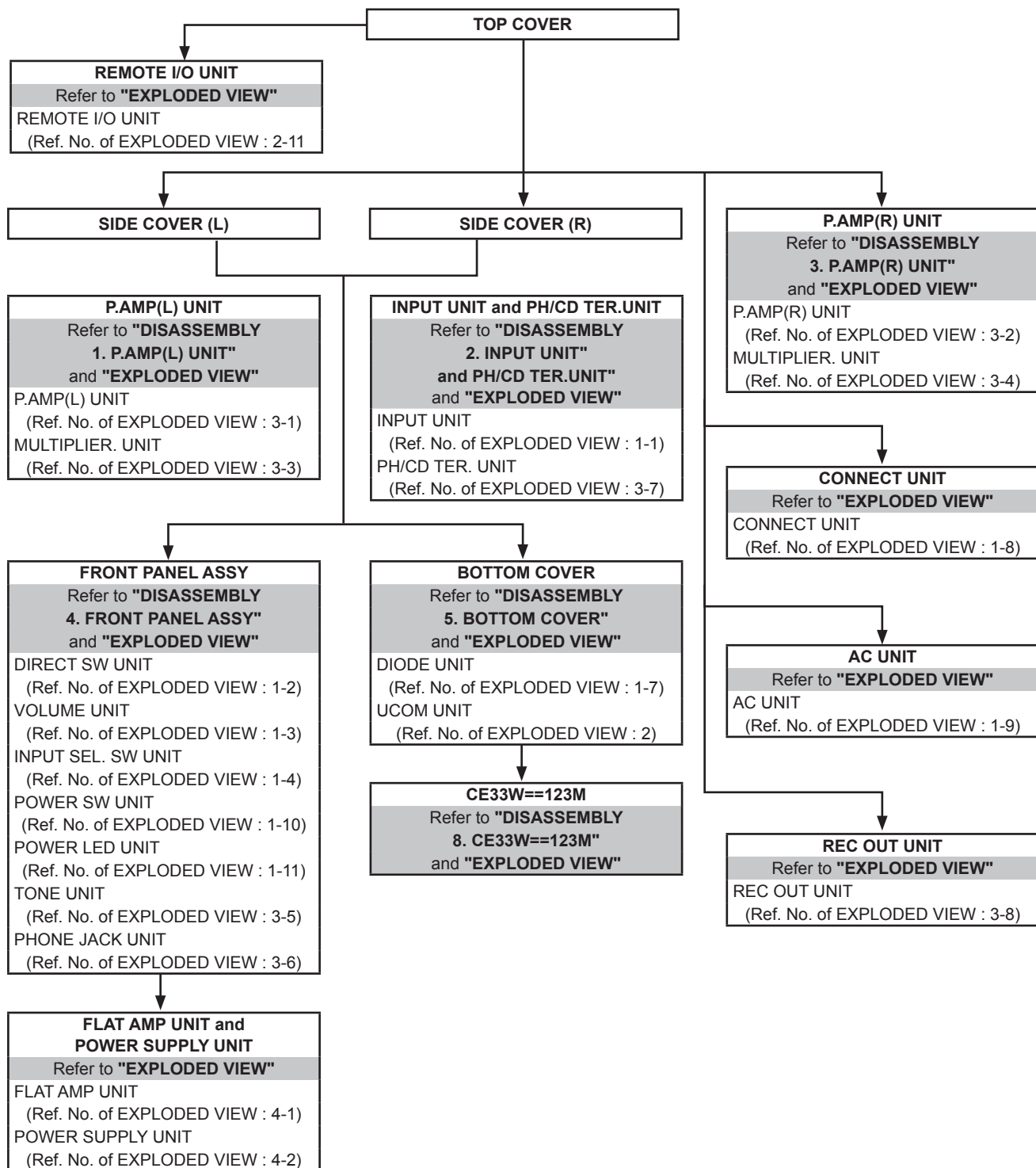
Front Panel side



Back Panel side

DISASSEMBLY

- Disassemble in order of the arrow of the figure of following flow.
- 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" it.

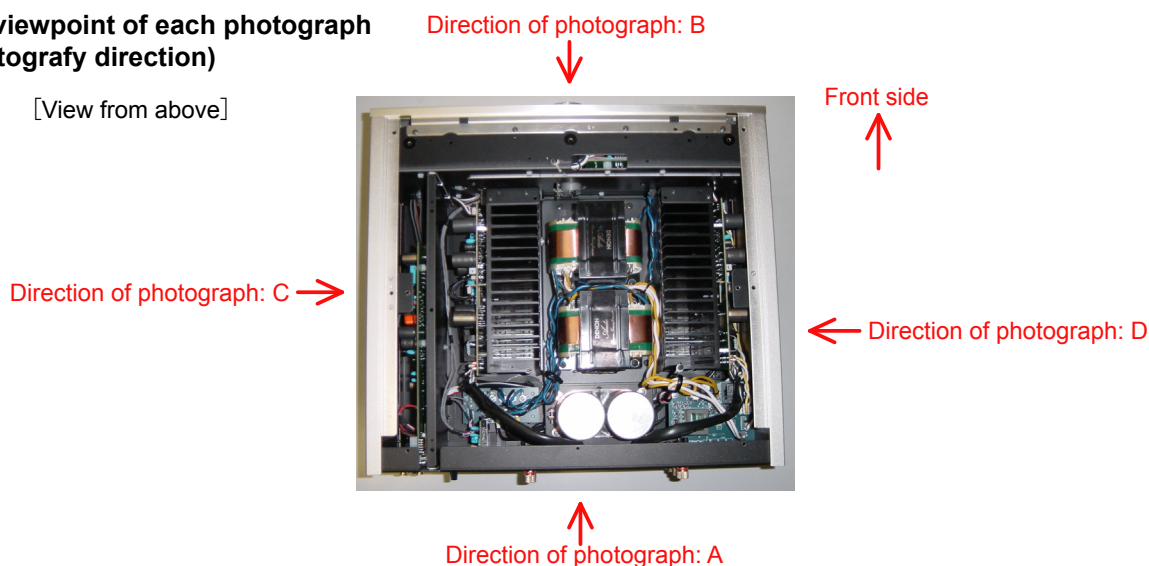


About the photos used for "descriptions of the DISASSEMBLY" section

- The direction from which the photographs used herein were photographed is indicated at "Direction of photograph: ****" at the left of the respective photographs.
- Refer to the table below for a description of the direction in which the photos were taken.
- Photographs for which no direction is indicated were taken from above the product.

The viewpoint of each photograph (Photography direction)

[View from above]



1. REMOTE I/O UNIT

Proceeding : **TOP COVER** → **REMOTE I/O UNIT**

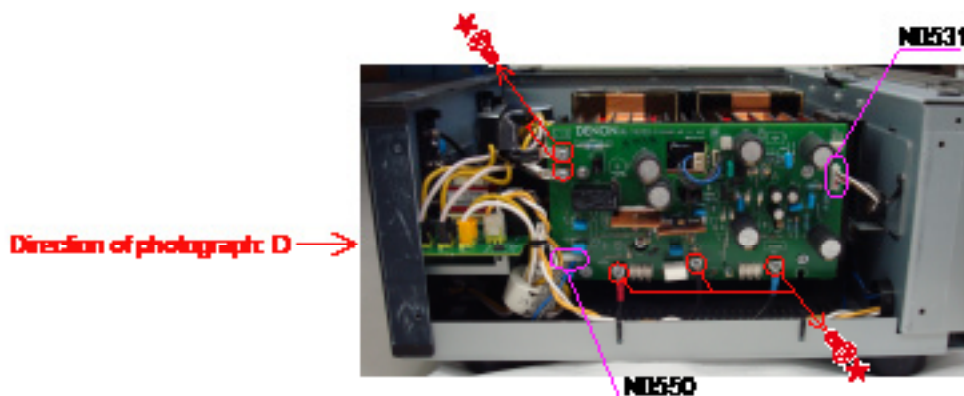
- (1) Disconnect the connector wire, then remove the screw..



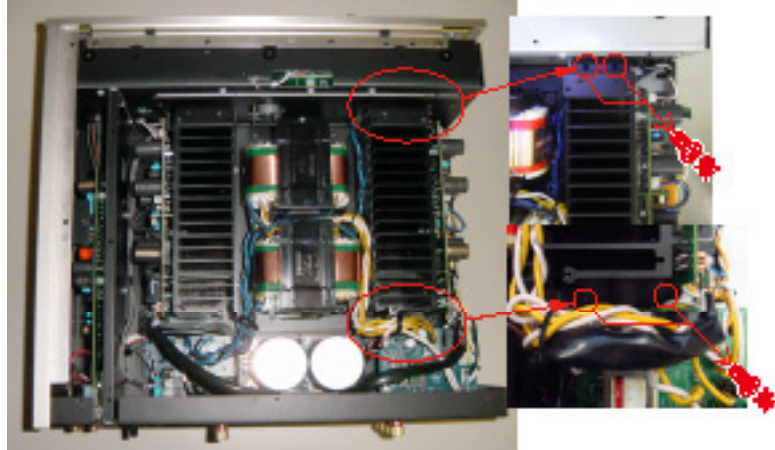
2. P.AMP(L) UNIT

Proceeding : **TOP COVER** → **SIDE COVER (L)** → **P.AMP (L) UNIT**

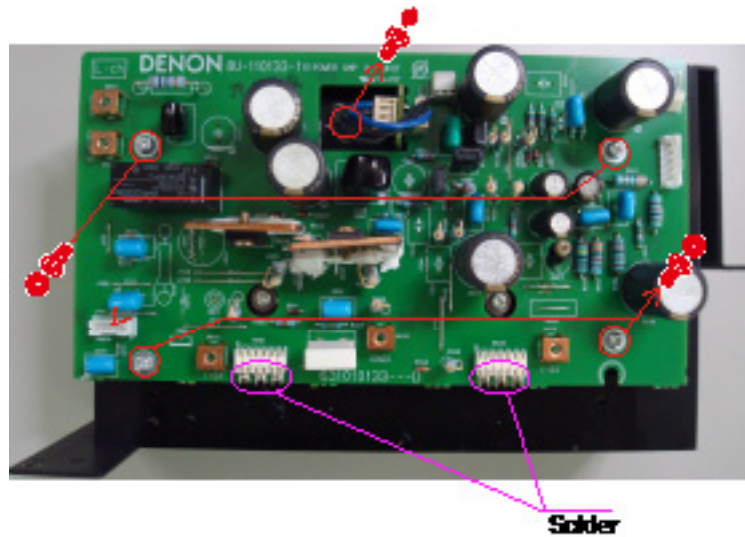
- (1) Disconnect the connector wires, then remove the screws.



(2) Remove the screws.



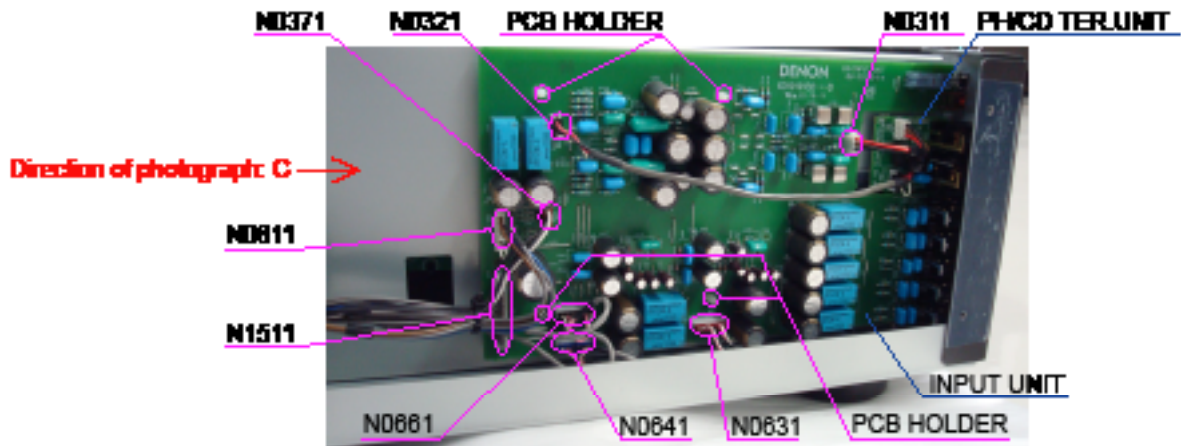
(3) Remove the screws, then remove the solder.



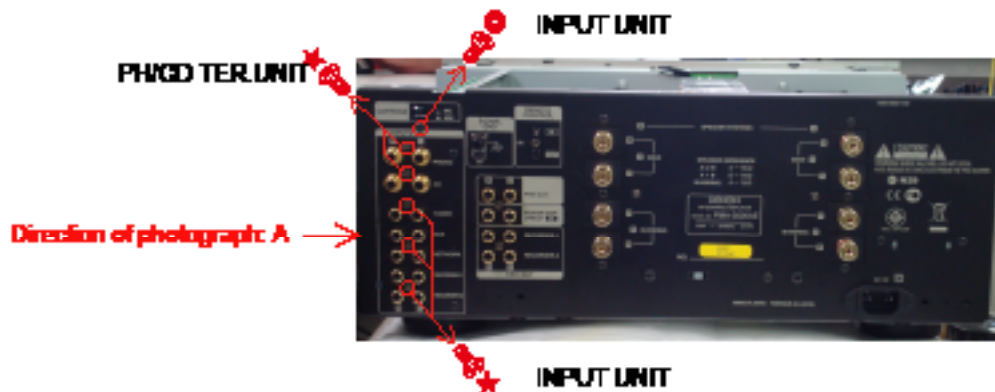
3. INPUT UNIT and PH/CD TER.UNIT

Proceeding : **TOP COVER** → **SIDE COVER (R)** → **INPUT UNIT and PH/CD TER. UNIT**

(1) Disconnect the connector wires.



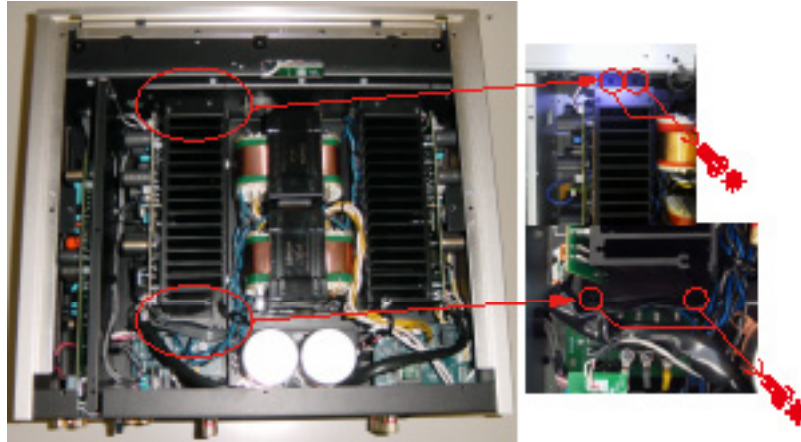
(2) Remove the screws



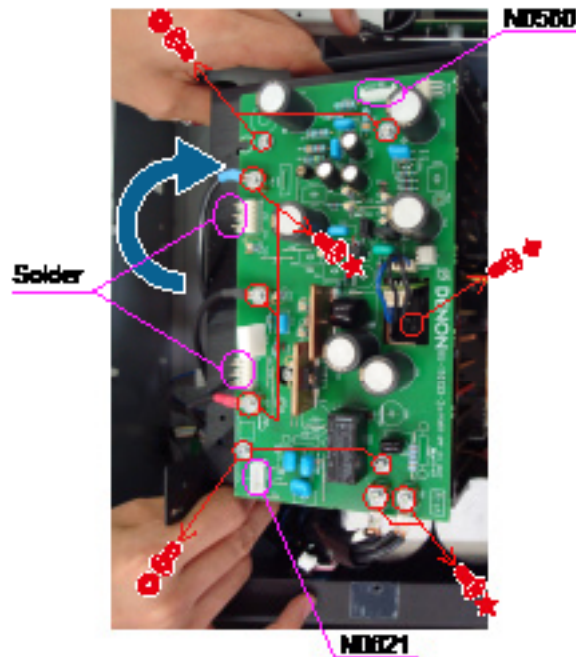
4. P.AMP(R) UNIT

Proceeding : **TOP COVER** → **P.AMP (R) UNIT**

(1) Remove the screws.



(2) Disconnect the connector wires, then remove the screws. Remove the solder



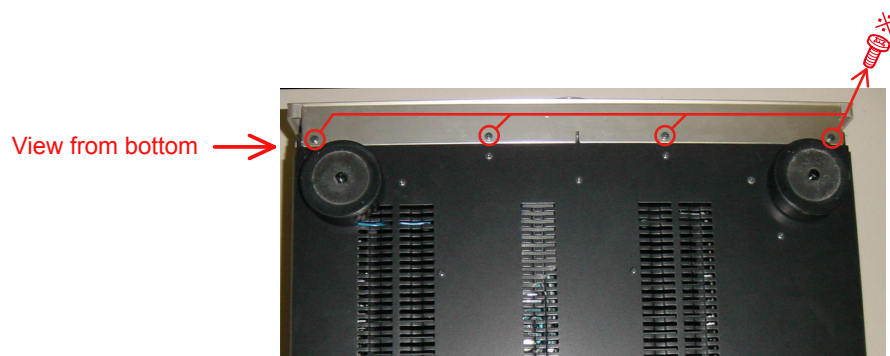
5. FRONT PANEL ASSY

Proceeding : **TOP COVER** → **SIDE COVER (L), (R)** → **FRONT PANEL ASSY**

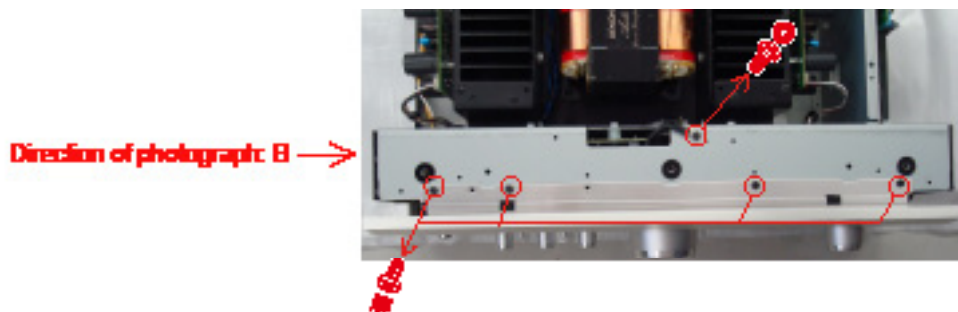
- (1) Disconnect the connector wire.



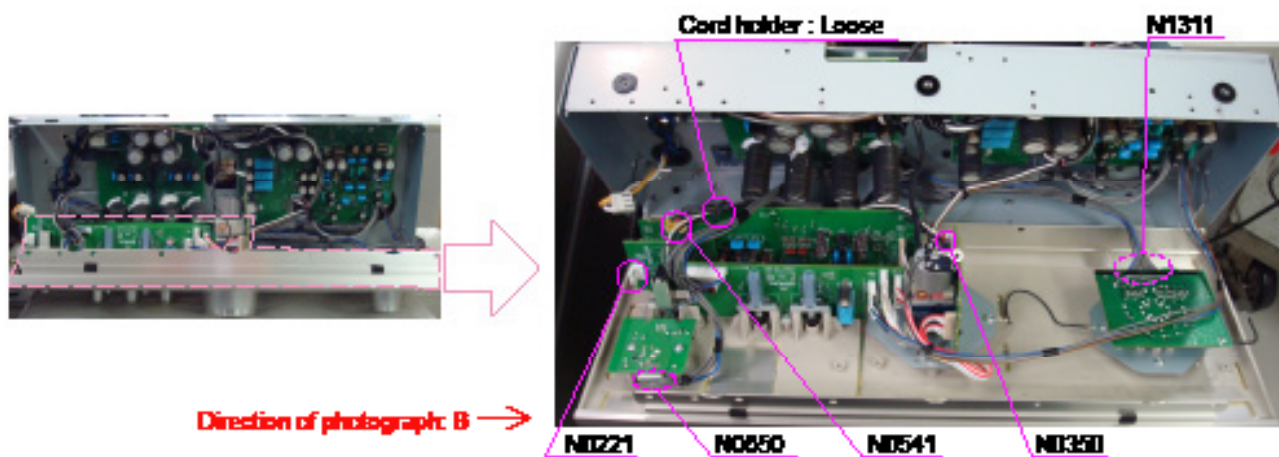
- (2) Remove the screws



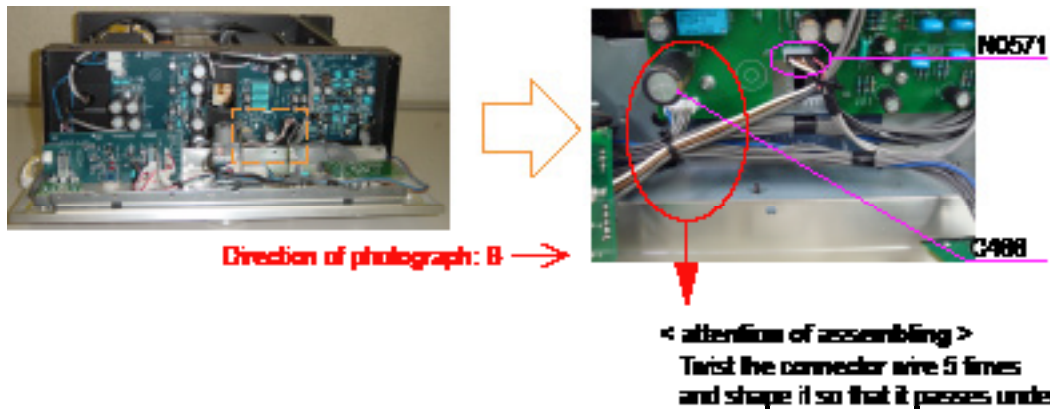
- (3) Remove the screws



- (4) Loose the Cord holders, then disconnect the connector wires.



(5) disconnect the connector wire.

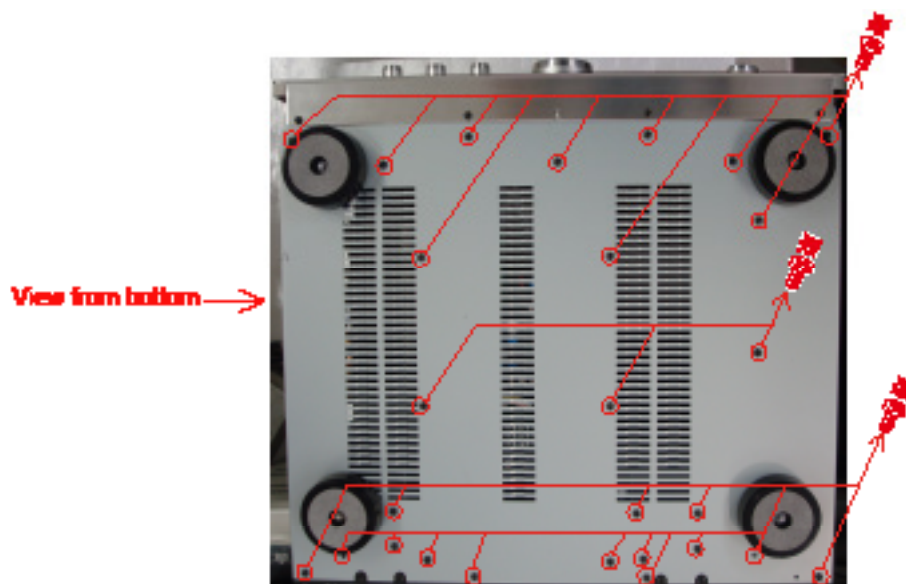


Please refer to "EXPLODED VIEW" for the disassembly method of each P.W.B included in PANEL FRONT ASSY.

6. BOTTOM COVER

Proceeding : TOP COVER → SIDE COVER (L), (R) → BOTTOM COVER

(1) Remove the screws.

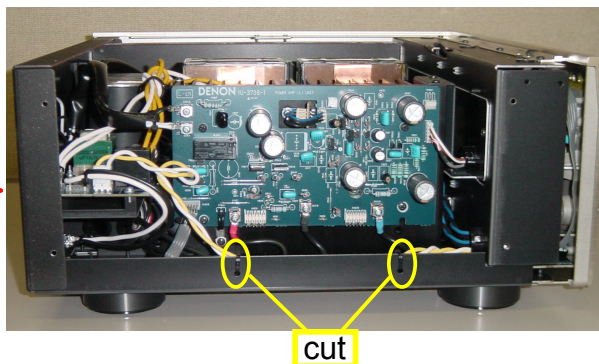


7. CE33W==123M

Proceeding : **TOP COVER** → **SIDE COVER (L), (R)** → **BOTTOM COVER**
→ **CE33W==123M**

(1) Cut the wire clamp bands.

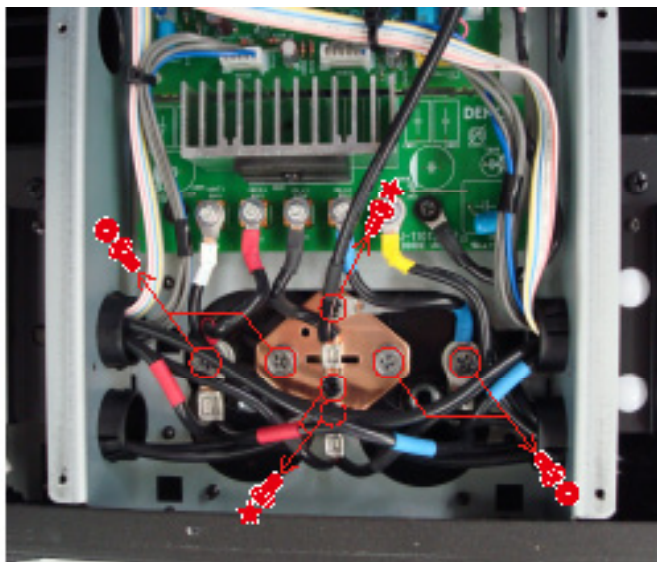
Direction of photograph: D →



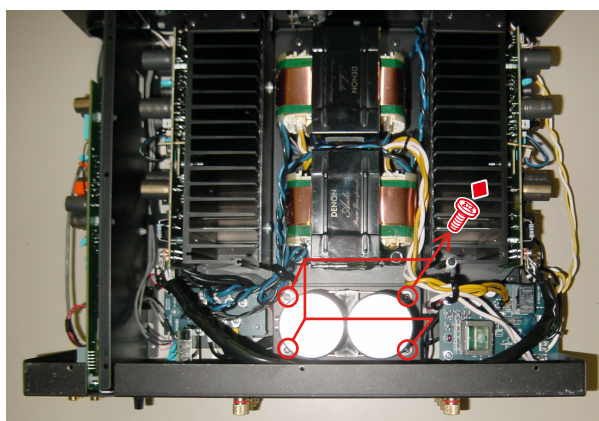
(2) Remove the screws.



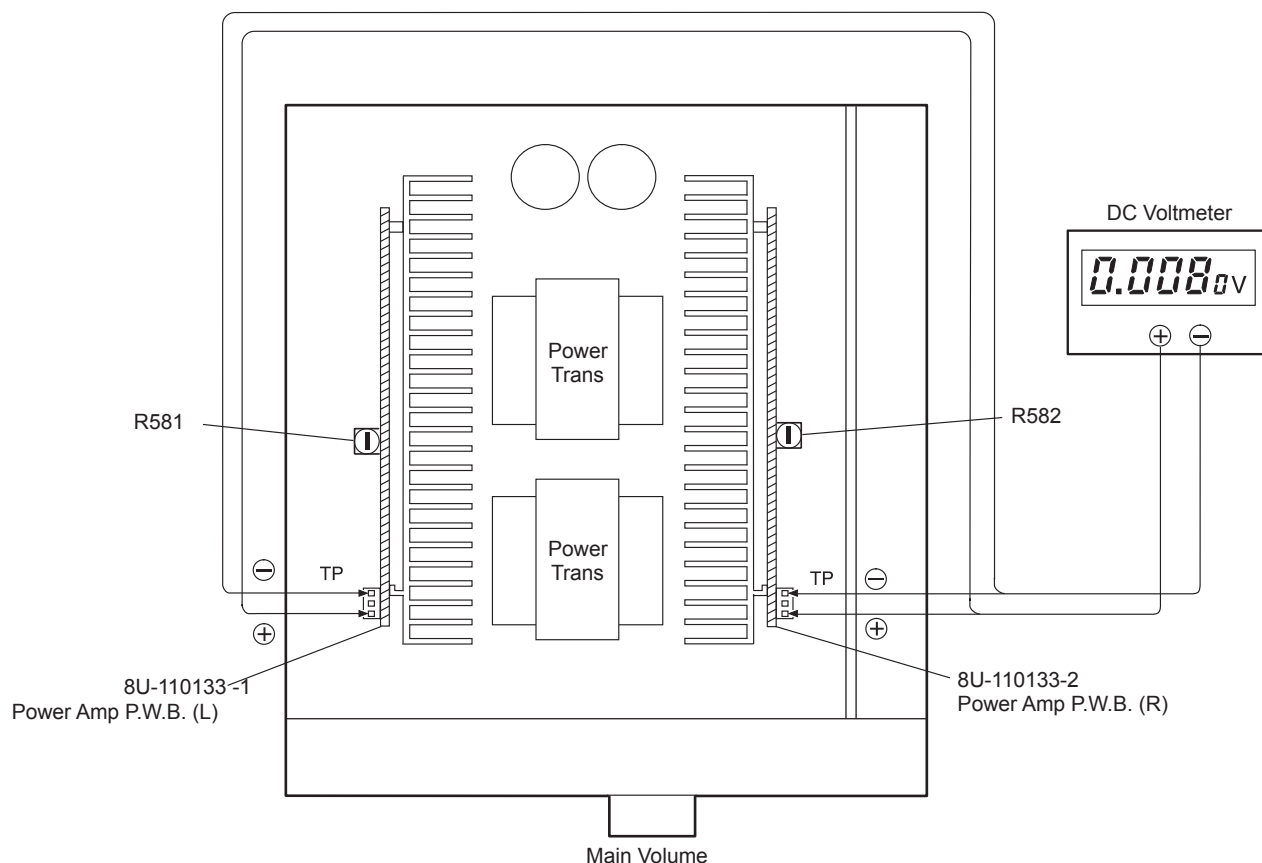
View from bottom →



(3) Remove the screws.



IDLING ADJUSTMENT



Setup

1. Lay the unit at an ordinary position away from a direct current from an air condition or fan. Do the adjustment at a temperature between 15°C (59°F) and 30°C (86°F).
2. Set control as follows.

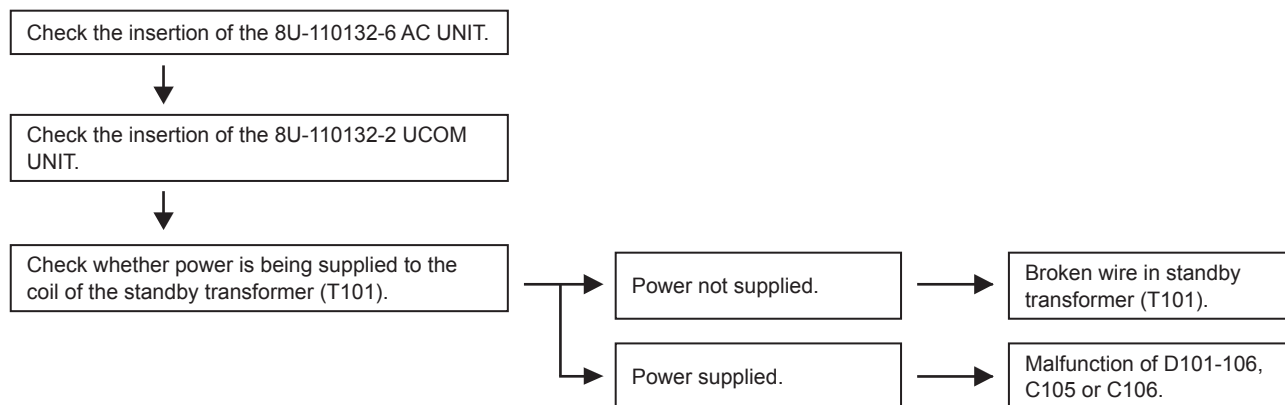
POWER SWITCH	→ OFF (■)
VOLUME CONTROL	→ Fully counterclockwise in the minimum position (○). (Main Volume and Semifixed resistors [R581, R582])
SPEAKER Terminals	→ Open: do not connect the speakers, dummy load etc.

Adjustment

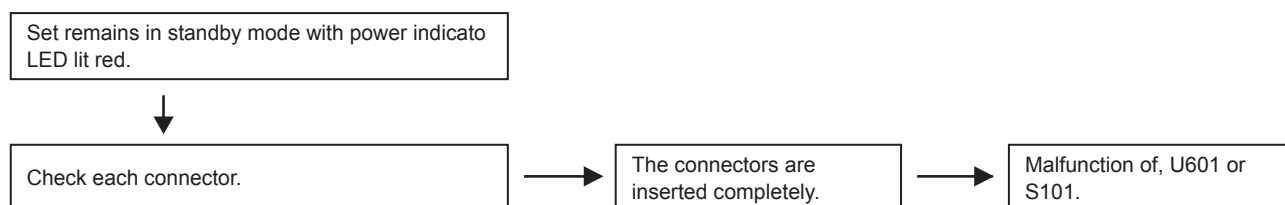
- (1) Remove top cover. And then connect DC Voltmeter to test points of 8U-110133-1 (Lch) and 8U-110133-2 (Rch) Power Amp Printing Wiring Board.
- (2) Connect power cord to AC wall outlet, and turn POWER switch "ON" (■). Within 10 seconds turn R581 (Lch) and R582 (Rch) clockwise so that the DC Voltmeter reads $2 \pm 0.5\text{mV}$.
- (3) Then after 2 minutes warmup adjust R581 and R582 so that the DC Voltmeter reads $6 \pm 0.5\text{mV}$.

TROUBLE SHOOTING

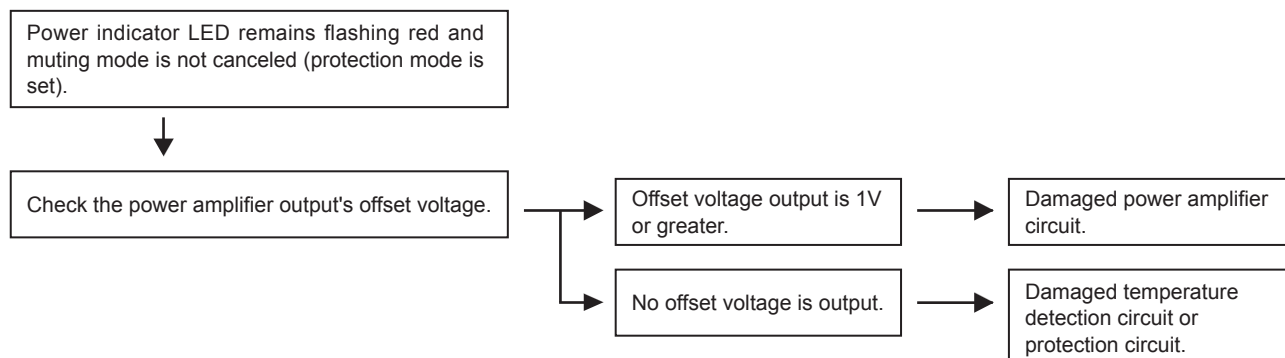
1. The power can not be turned on. (Power indication LED does not light.)



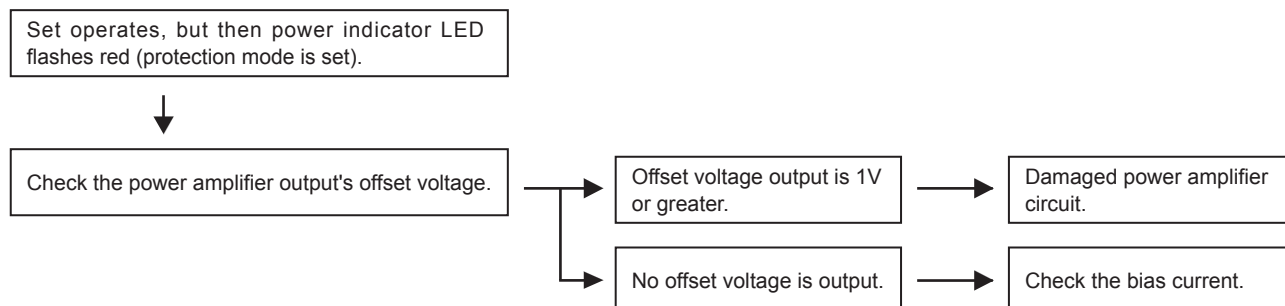
2. The power turned on, but a sound does not output normally. (Both channels)



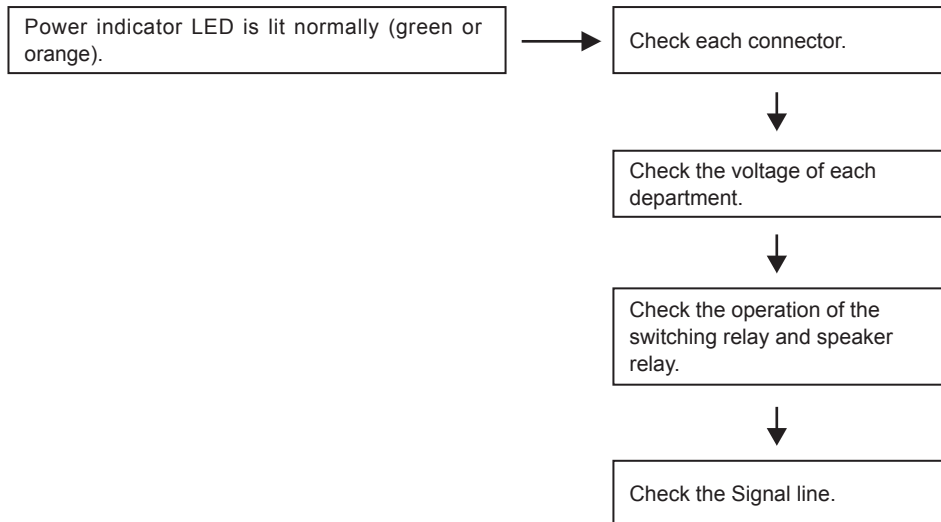
2.2.



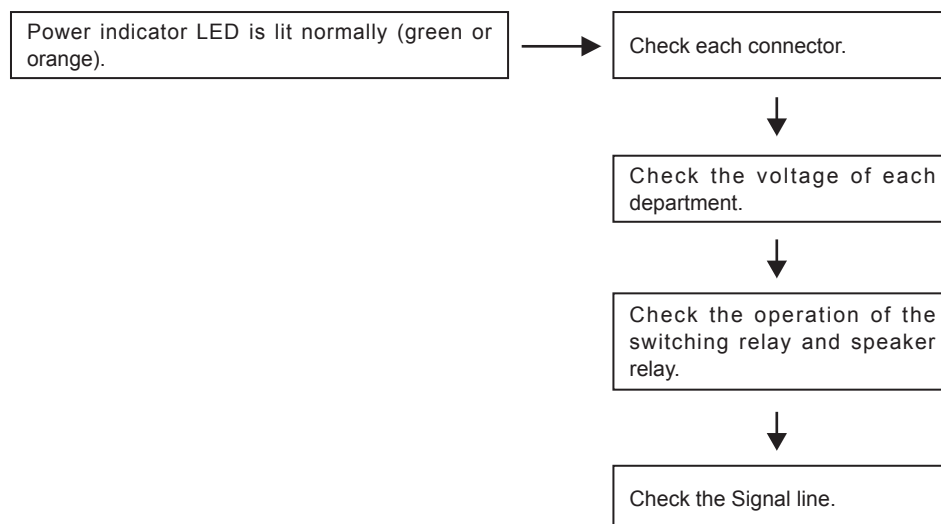
2.3.



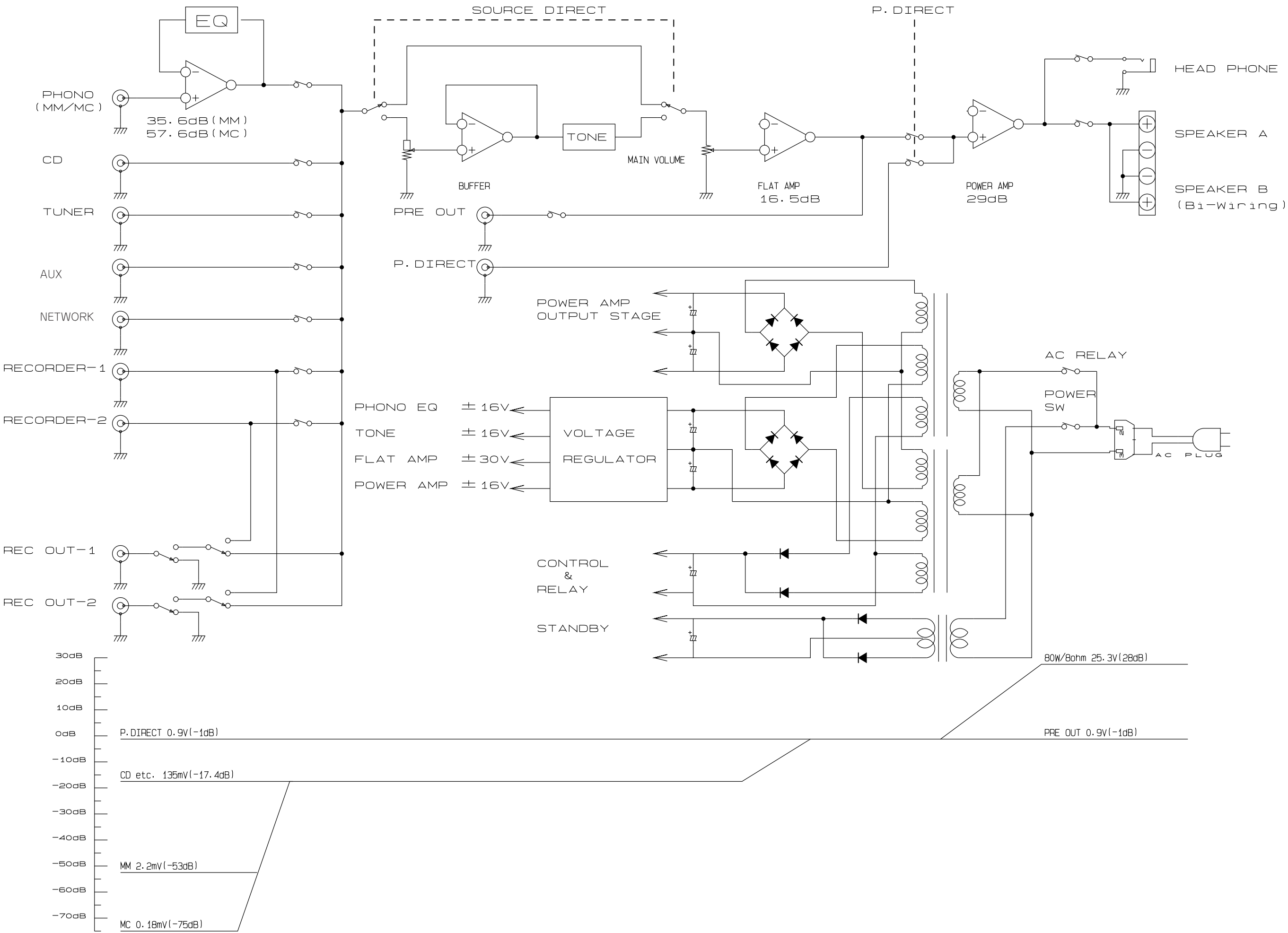
2.4.



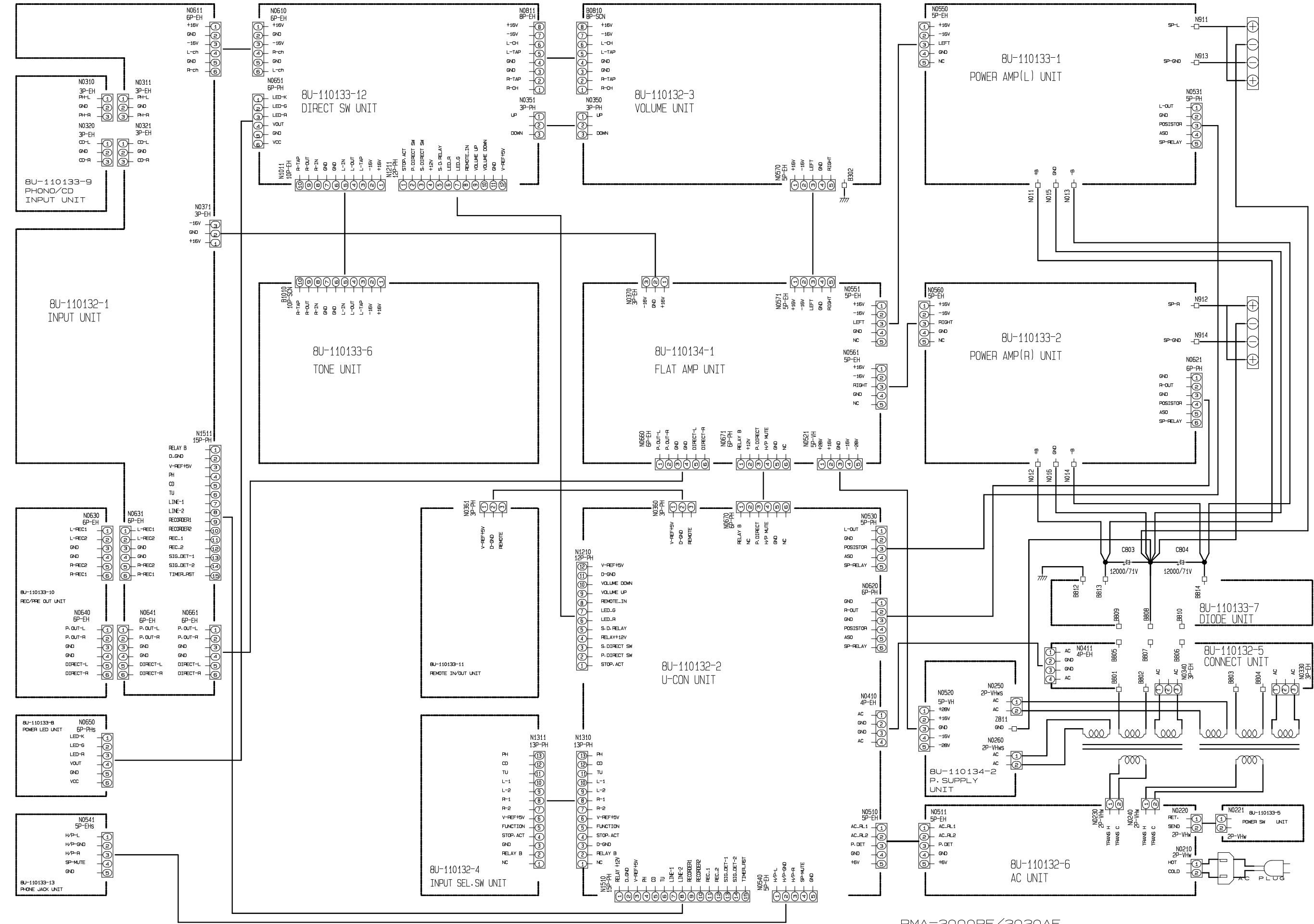
3. The power turned on, but a sound does output normally. (Single channel)



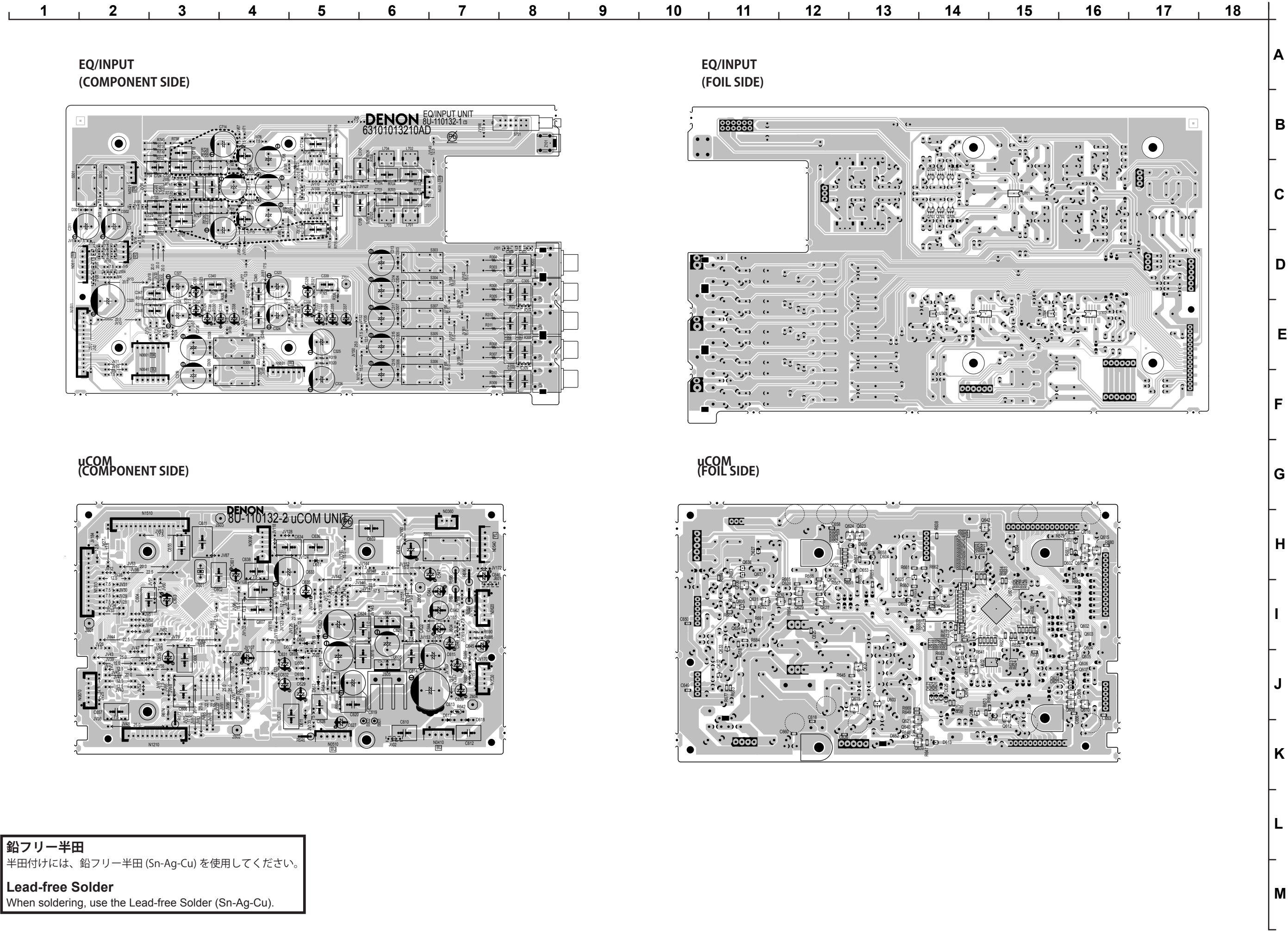
BLOCK AND LEVEL DIAGRAM



WIRING DIAGRAM

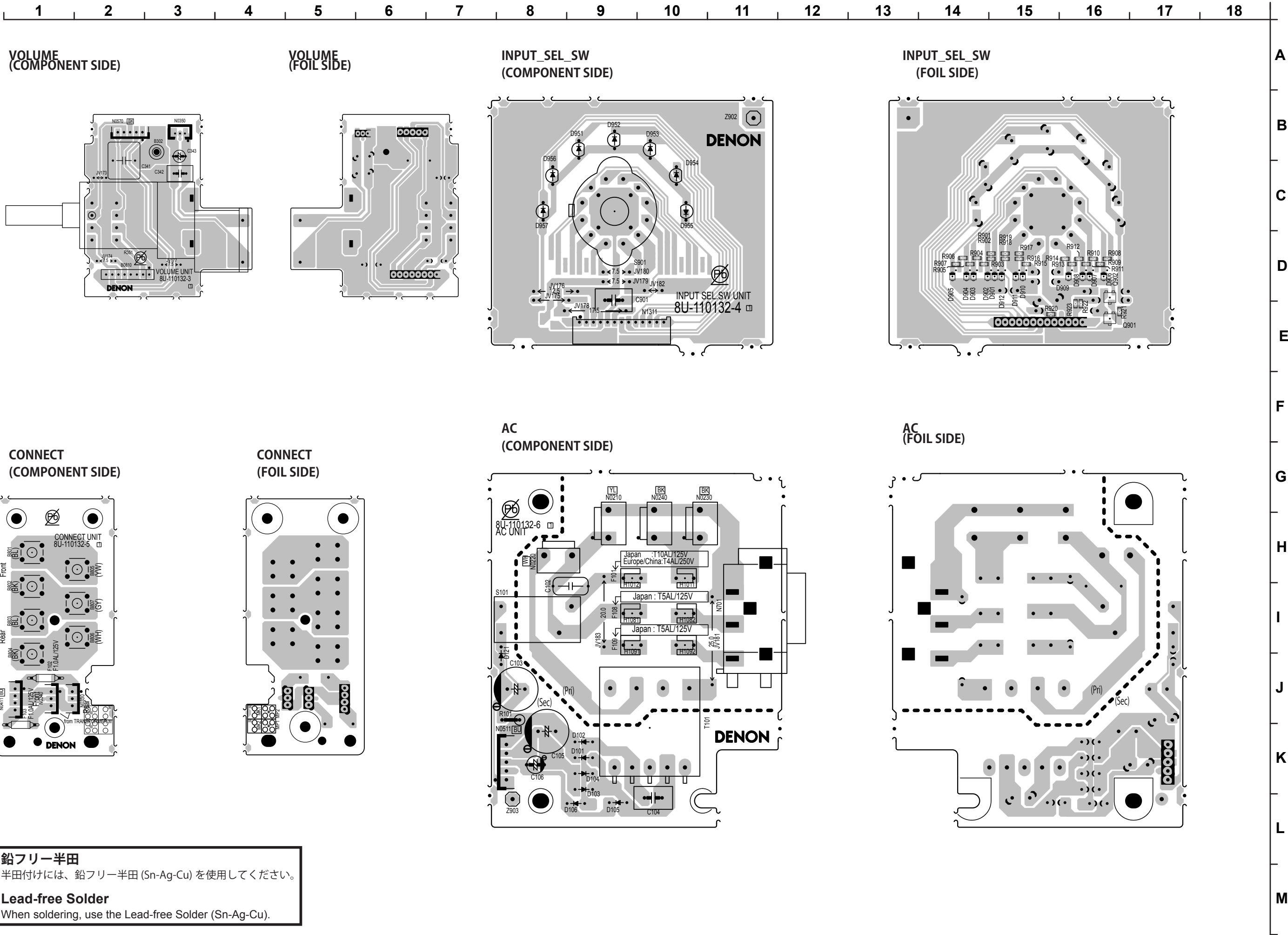


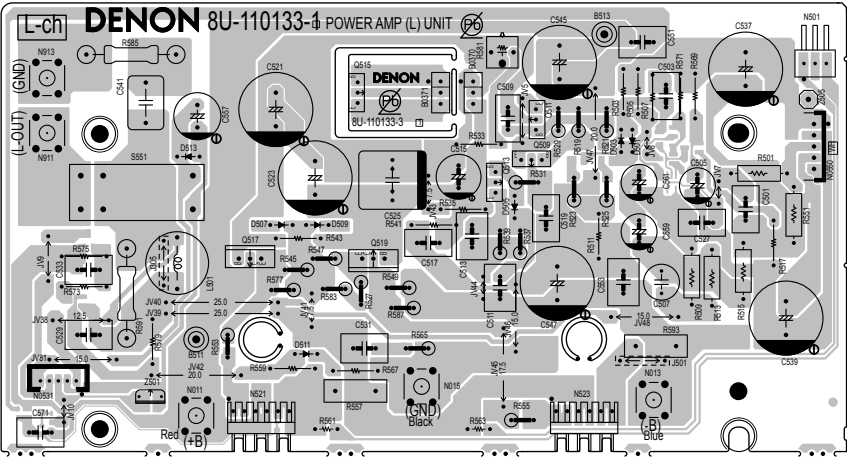
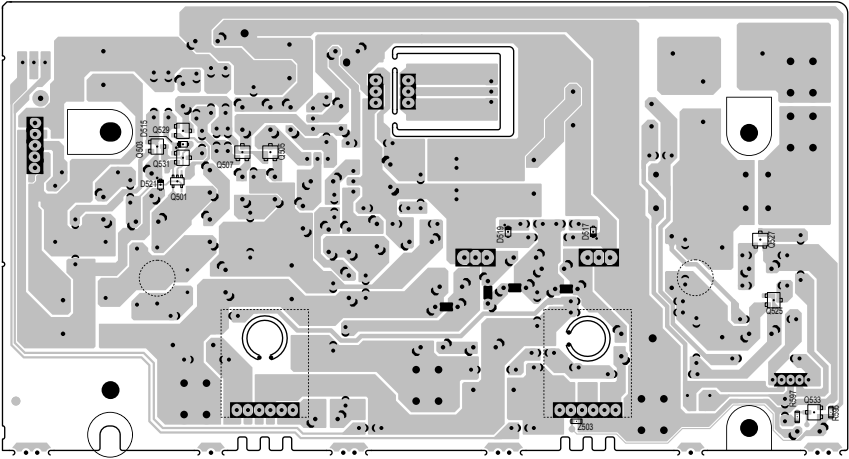
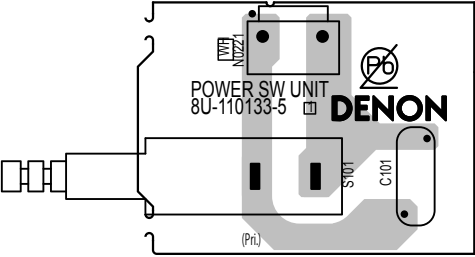
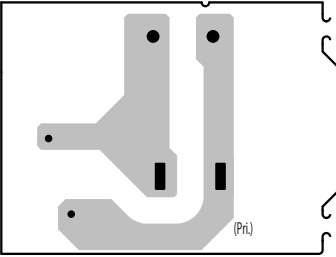
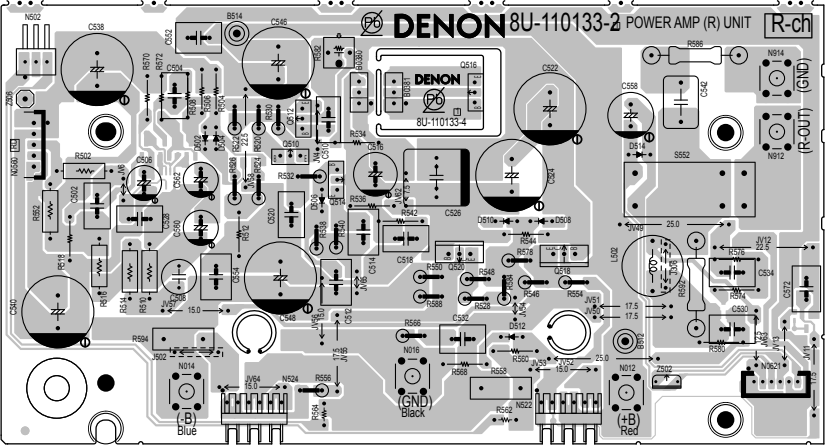
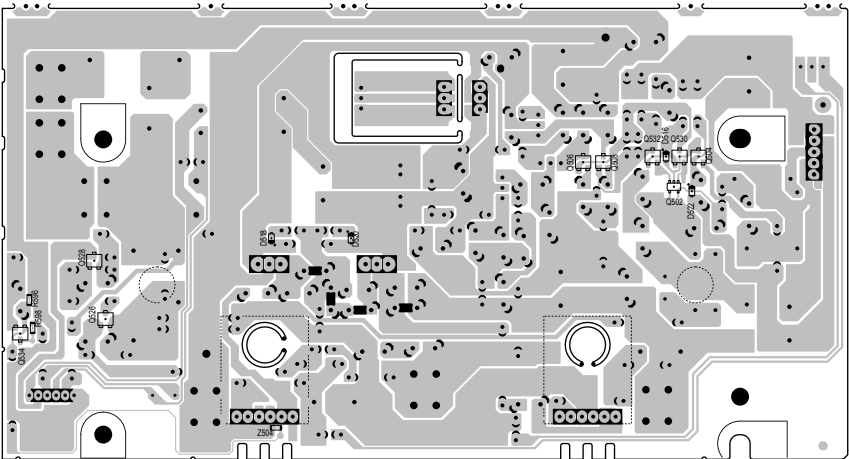
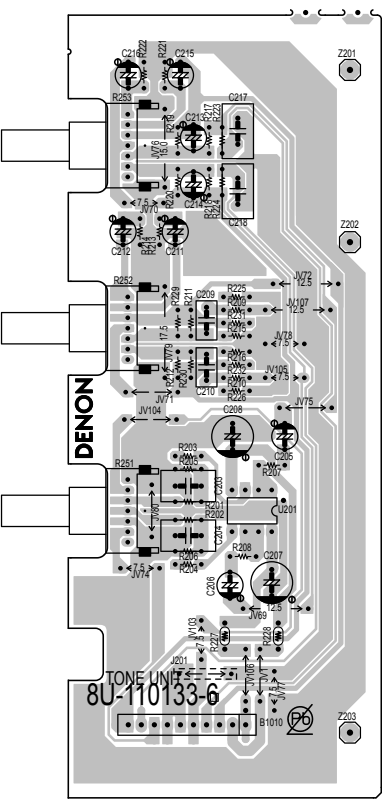
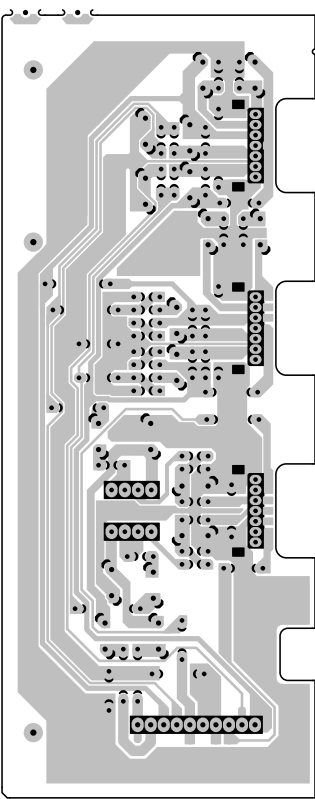
PRINTED WIRING BOARDS



鉛フリー半田
半田付けには、鉛フリー半田 (Sn-Ag-Cu) を使用してください。

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

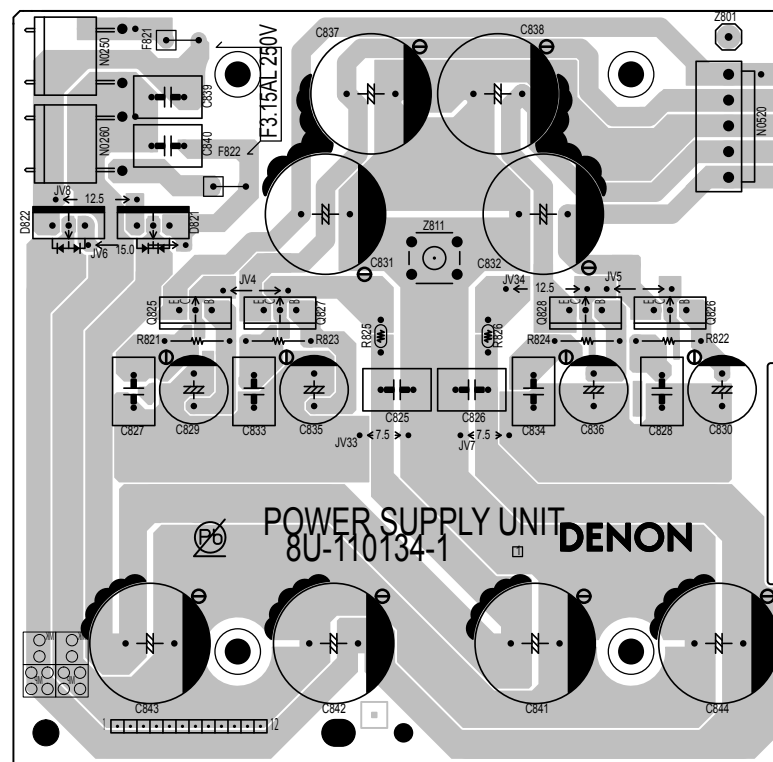


1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18																				
POWER AMP (L) (COMPONENT SIDE) 						POWER AMP (L) (FOIL SIDE) 						POWER_SW (COMPONENT SIDE) 				POWER_SW (FOIL SIDE) 				A B C D E F
POWER AMP (R) (COMPONENT SIDE) 						POWER AMP (R) (FOIL SIDE) 						TONE (COMPONENT SIDE) 				TONE (FOIL SIDE) 				G H I J K L M

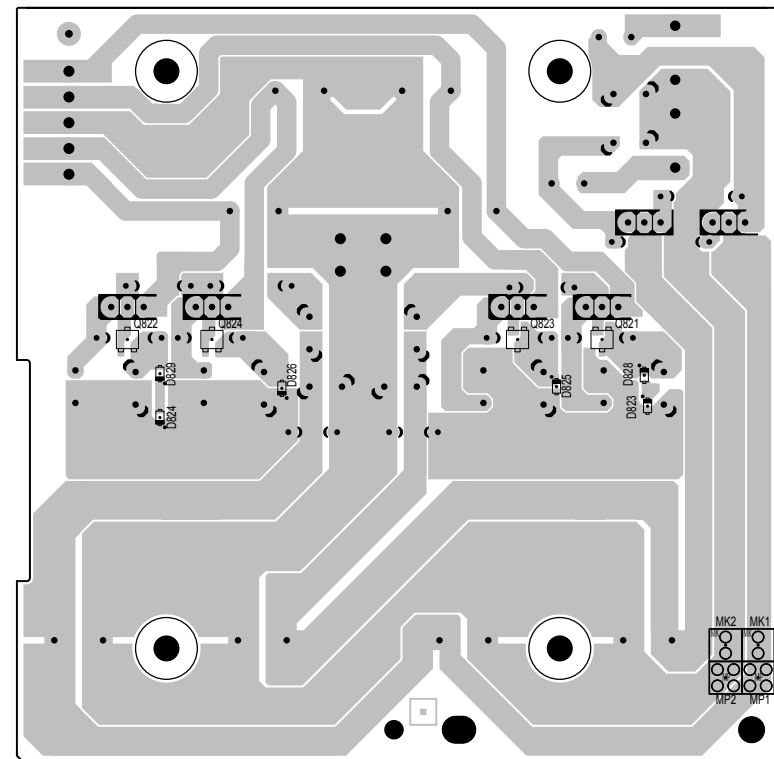
鉛フリー半田
半田付けには、鉛フリー半田 (Sn-Ag-Cu) を使用してください。

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

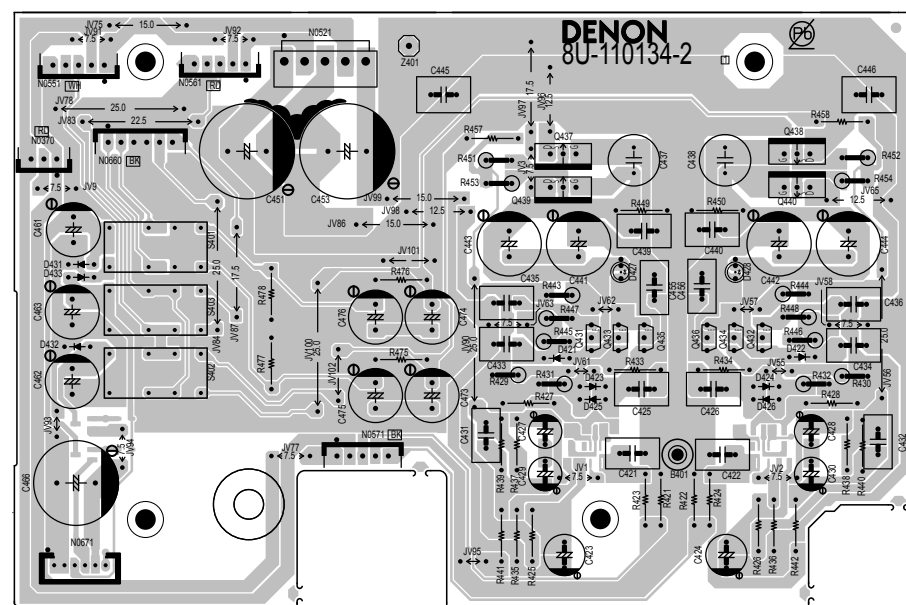
POWER_SUPPLY
(COMPONENT SIDE)



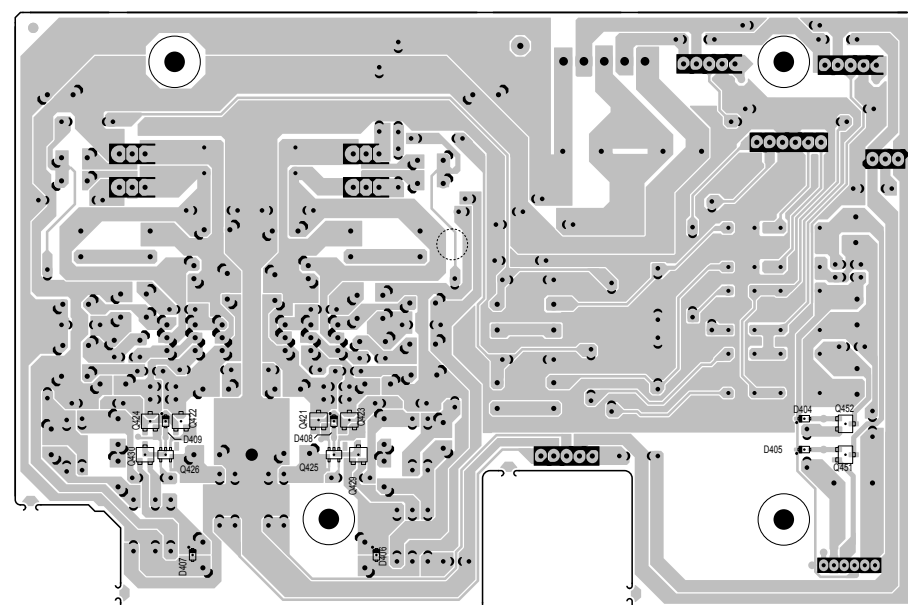
POWER_SUPPLY
(FOIL SIDE)



FLAT_AMP
(COMPONENT SIDE)

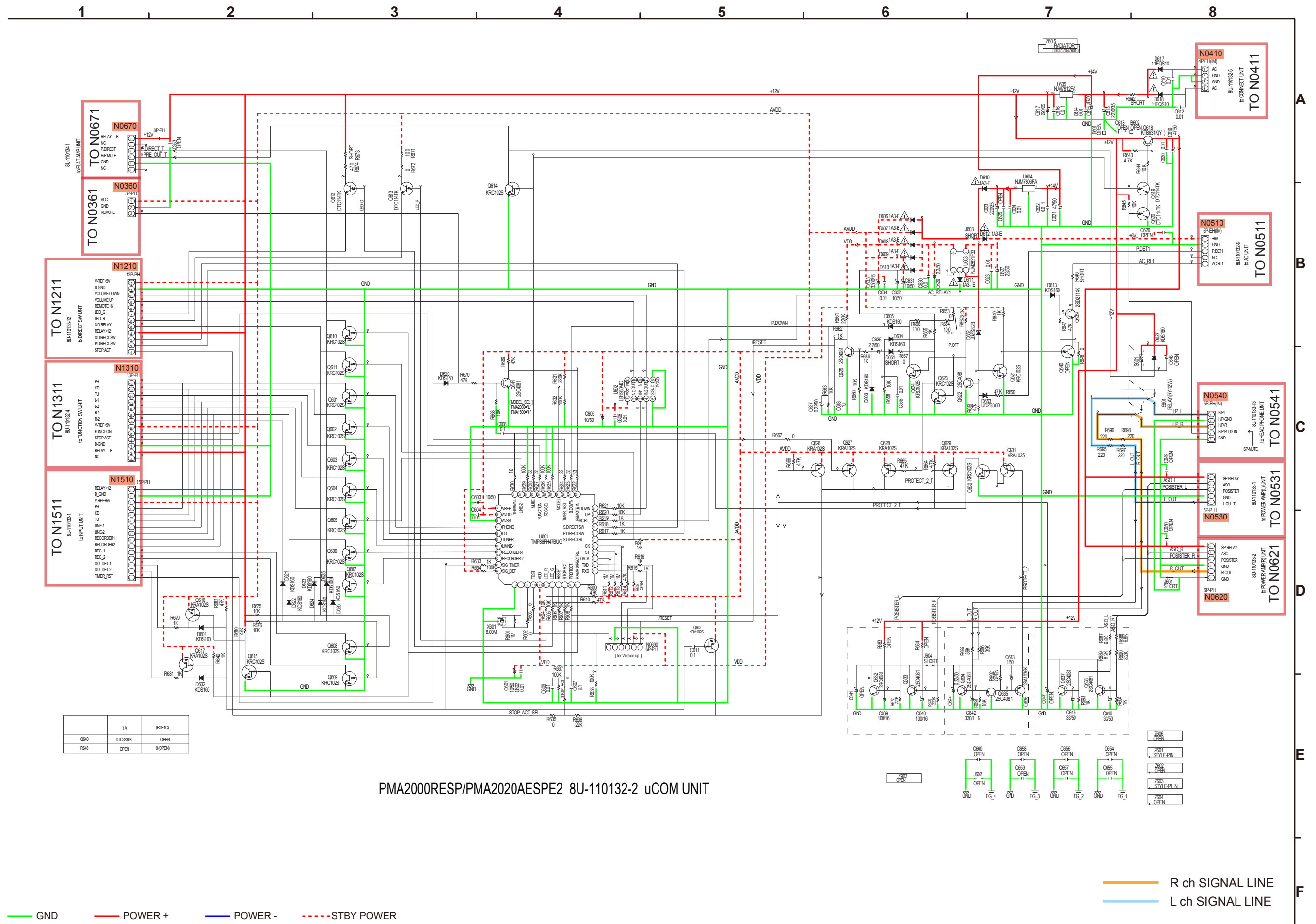


FLAT_AMP
(FOIL SIDE)



鉛フリー半田
半田付けには、鉛フリー半田 (Sn-Ag-Cu) を使用してください。

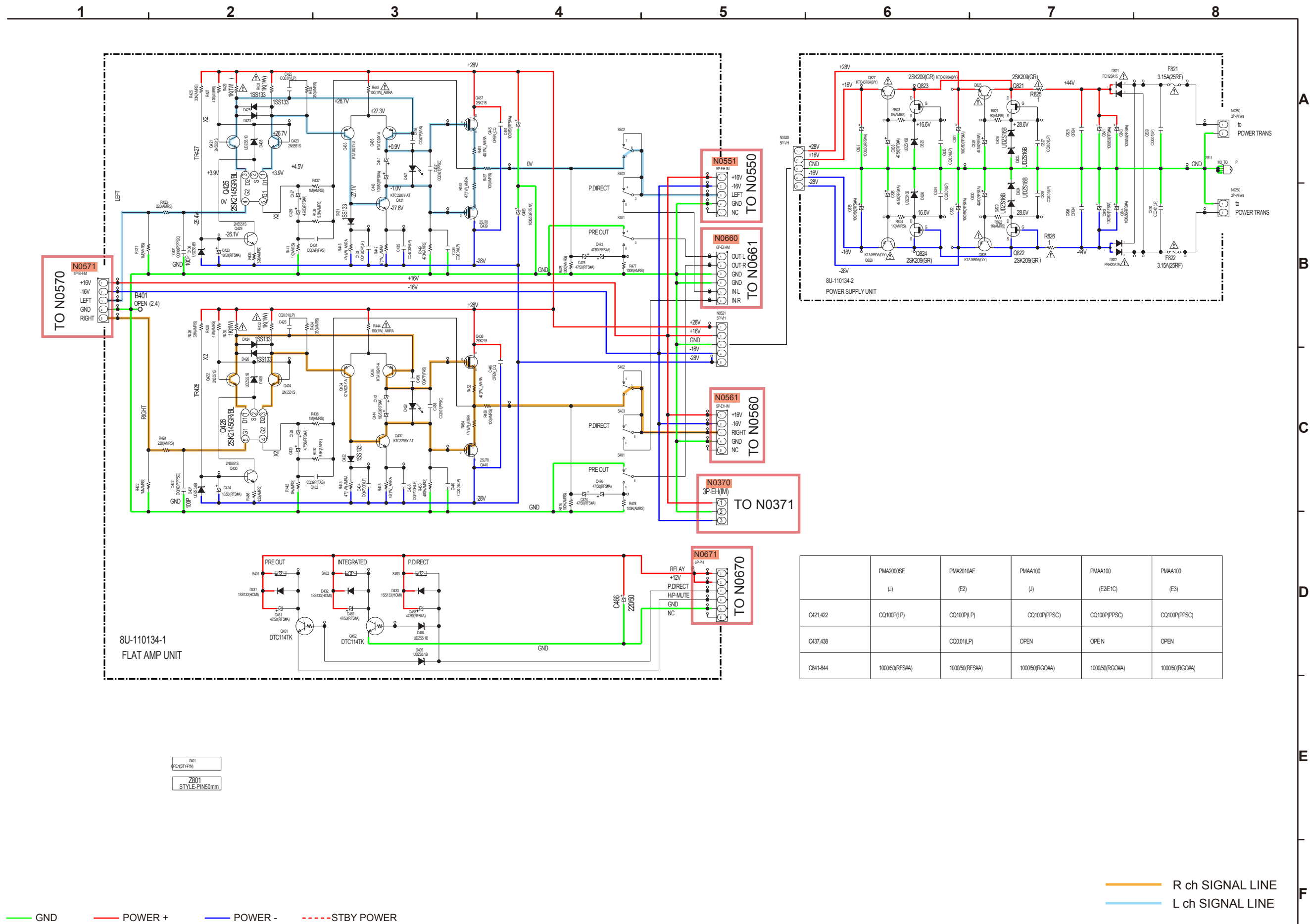
Lead-free Solder
When soldering, use the Lead-free Solder (Sn-Ag-Cu).



PMA2000RESP/PMA2020AESPE2 8U-110132-2 uCOM UNIT

SCHEMATIC DIAGRAMS (2/5)
110132_2

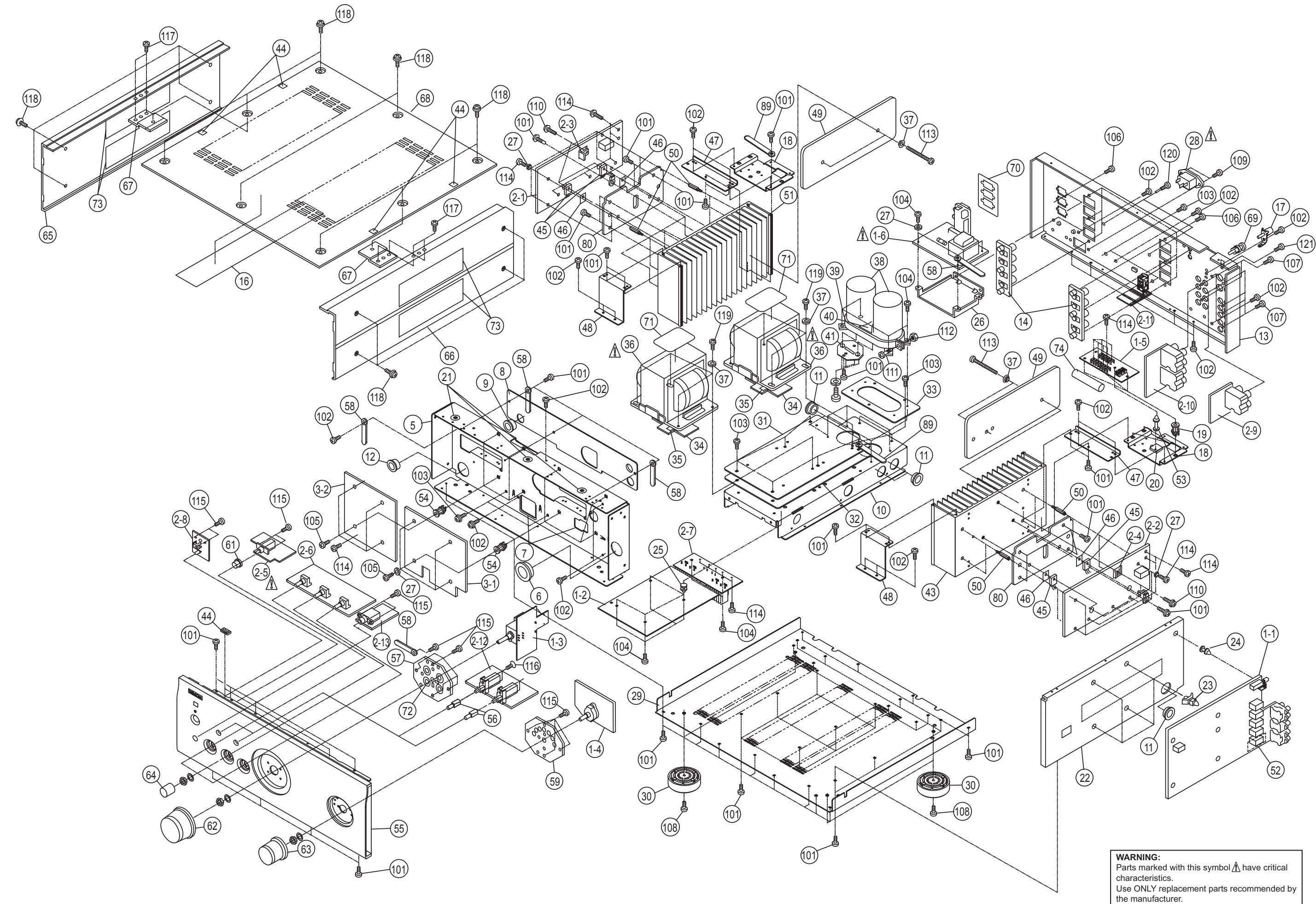




	PMA2000SE (J)	PMA2010AE (E2)	PMAA100 (J)	PMAA100 (E2/E1C)	PMAA100 (E3)
C421,422	CQ100P(LP)	CQ100P(LP)	CQ100P(PFSC)	CQ100P(PFSC)	CQ100P(PFSC)
C437,438		CQ001(LP)	OPEN	OPEN	OPEN
C841-844	1000/50(RFS#A)	1000/50(RFS#A)	1000/50(RGO#A)	1000/50(RGO#A)	1000/50(RGO#A)

SCHEMATIC DIAGRAMS (5/5)
110134_1

EXPLODED VIEW



PARTS LIST OF EXPLODED VIEW

*Parts indicated by "nsp" on this table cannot be supplied.
*P.W.B. ASS'Y indicated by "nsp" on this table cannot be supplied. When repairing the P.W.B. ASS'Y, check the board parts list and order replacement parts.
*Parts indicated by the " ★ " mark are not illustrated in the exploded view.
*The parts listed below are only for maintenance. Therefore they might differ from the parts used in the unit in appearances or dimensions.
 Note: The symbols in the column "Remarks" indicate the following destinations.
 E3 : U.S.A. & Canada model E2 : Europe model EA : Australia model
 E1C : China model CIE3 : U.S.A. & Canada model
 BK : Black model SP : Premium Silver model

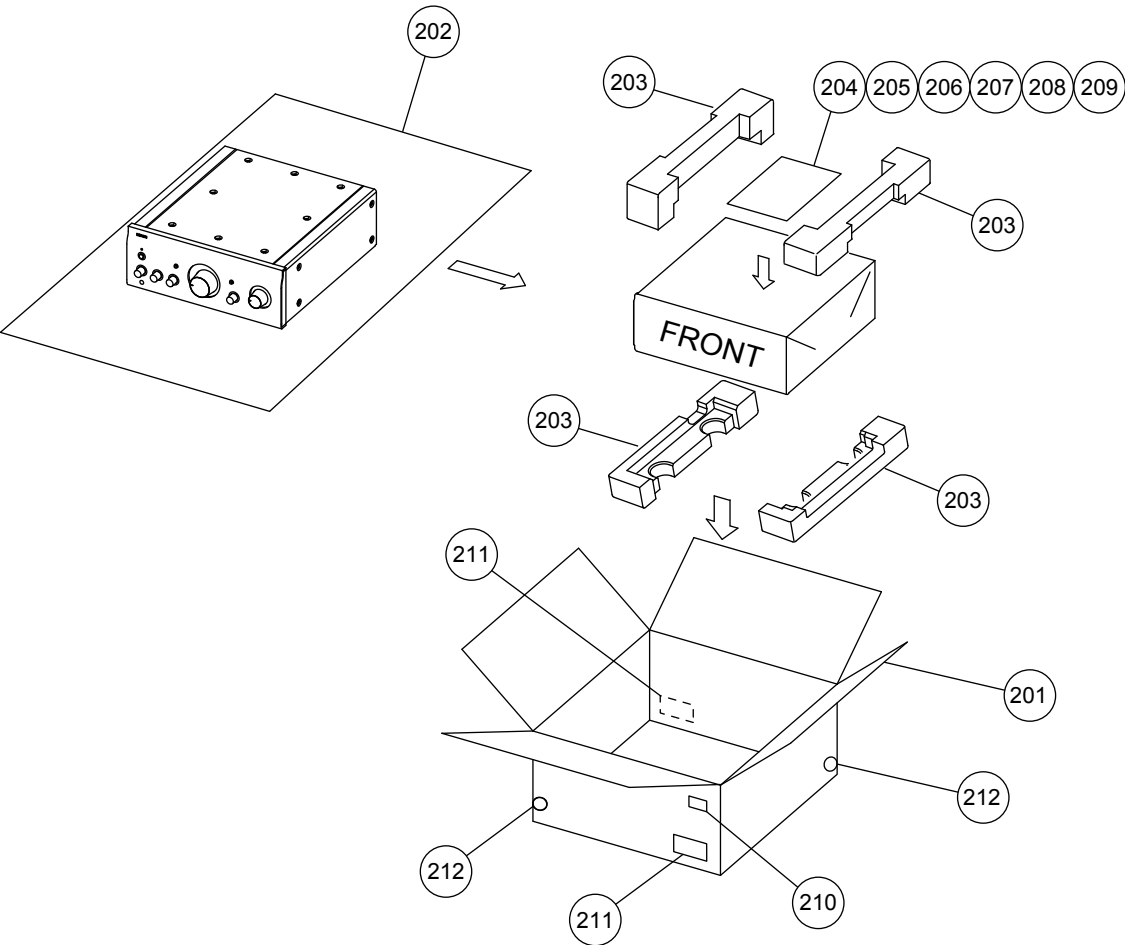
	Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
	1	nsp	INPUT P.W.B. ASSY			1	*
	1-1	nsp	EQ/INPUT UNIT				
	1-2	nsp	U-COM UNIT				
	1-3	nsp	VOLUME UNIT				
	1-4	nsp	FUNCTION SW. UNIT				
	1-5	nsp	CONNECT UNIT				
⚠	1-6	nsp	AC UNIT				
	2	nsp	POWER AMP UNIT P.W.B. ASSY			1	*
	2-1	nsp	POWER AMP (L) UNIT				
	2-2	nsp	POWER AMP (R) UNIT				
	2-3	nsp	MULTIPLYER L UNIT				
	2-4	nsp	MULTIPLYER R UNIT				
⚠	2-5	nsp	POWER SW. UNIT				
	2-6	nsp	TONE UNIT				
	2-7	nsp	DIODE UNIT				
	2-8	nsp	POWER LED UNIT				
	2-9	nsp	PHONO/CD TERMINAL UNIT				
	2-10	nsp	REC./PRE OUT UNIT				
	2-11	nsp	REMOTE I/O UNIT				
	2-12	nsp	DIRECT SW. UNIT				
	2-13	nsp	PHONE JACK UNIT				
	3	nsp	FLAT AMP UNIT P.W.B. ASSY			1	*
	3-1	nsp	FLAT AMP UNIT				
	3-2	nsp	POWER SUPPLY UNIT				
	5	nsp	FRONT CHASSIS			1	
	6	nsp	BUSH			1	
	7	nsp	FLEXIBLE BUSH			2	
	8	nsp	SHIELD PLATE			1	
	9	nsp	BUSH			1	
	10	nsp	TRANS CHASSIS			1	
	11	nsp	BUSH			4	
	11	nsp	BUSH			1	
	12	nsp	BUSH			1	
	13	40631008207AD	BACK PANEL			1	*
	14	nsp	4P TERMINAL ASSY			2	
	15	nsp	WIRE CLAMPER			22	
	16	00D4411795007	PLATE (T/C)			1	
	17	nsp	TERMINAL ASS			1	
	18	nsp	PWB BRACKET			2	
	19	nsp	LOCKING CARD SPACER			3	
	20	nsp	RUBBER PAD			1	
	21	nsp	SP WASHER			3	

	Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
	22	nsp	SHIELD PLATE			1	
	23	nsp	P C B HOLDER			4	
	24	nsp	CARD SPACER (L=8)			2	
	25	nsp	CARD SPACER (L=6)			5	
	26	nsp	PWB BRACKET (A)			1	
	27	nsp	BUSH			12	
⚠	28	00D2033996008	AC INLET (2P)			1	
	29	nsp	BOTTOM COVER			1	
	30	40751002800AD	BMC FOOT (H20) ASSY			4	*
	31	nsp	TRANS PLATE			1	
	32	nsp	TRANS PLATE			1	
	33	nsp	C.PLATE			1	
	34	nsp	BUTYL SHEET			2	
	35	nsp	DAMP SHEET(A)			2	
⚠	36	10101016500AD	POWER TRANS E2			2	*
	37	nsp	WASHER			12	
	38	nsp	CE33W==123M			2	
	39	nsp	C.HOLDER			1	
	40	nsp	SPACER			1	
	41	nsp	COMMON PLATE			1	
	43	nsp	POWER RADIATOR (R)			1	
	44	nsp	ARM CUSHION			6	
	46	nsp	INSULATING SHEET			4	
	47	nsp	RADIATOR BRACKET (R)			2	
	48	nsp	RADIATOR BRACKET (F)			2	
	49	nsp	PLATE (RD)			2	
	50	nsp	SCREW POST			8	
	51	nsp	POWER RADIATOR (L)			1	
	52	nsp	PROTECT SHEET			1	
	53	nsp	CARD SPACER (L=20)			1	
	54	nsp	P.W. SPACER			8	
	55	9S4021027300D	FRONT PANEL SUB ASSY	JP		1	*
	55A	nsp	FRONT PANEL			1	
	55B	nsp	DENON BADGE			1	
	55C	nsp	LENS			1	
	55D	nsp	LENS			1	
	55E	nsp	KNOB GUIDE(L)			1	
	55F	nsp	KNOB GUIDE (R)			1	
	55G	nsp	REMOCON WINDOW			1	
	55H	nsp	FILTER			1	
	56	411010095100D	PUSH KNOB ASSY			2	
	57	nsp	PLATE (M)			1	
	58	nsp	CORD HOLDER (L50)			4	
	59	nsp	PLATE(F)			1	
	61	00D1139303130	POWER KNOB ASSY			1	
	62	00D1120780144	KNOB (M) ASSY			1	
	63	00D1120966007	KNOB(F) ASSY			1	
	64	00D1120796125	KNOB(MARU) ASSY			3	
	65	404410035007D	SIDE COVER ASSY			1	
	65A	nsp	SIDE COVER (L)			1	
	65B	nsp	SIDE COVER (R)			1	
	67	nsp	SCREW BRACKET			2	
	68	40301003302AD	TOP COVER			1	*
	69	nsp	SHORT PIN			2	

	Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
	71	nsp	TRANS LABEL(E)			2	
	72	nsp	HIMELON SHEET			4	
	73	00D4411945019	PLATE (T/C)			4	
	74	nsp	UL TUBE (11.1) BK			1	
	★ 75	nsp	SHIELD PLATE			1	
	★ 76	nsp	FL SPACER			1	
	★ 77	nsp	RUBBER SHEET 5X10XT50.5			1	
	★ 78	nsp	INSPECTED LABEL			1	
	80	nsp	CU PLATE			2	
	★ 81	nsp	FERRITE CORE GTFC-25-15-12			1	
	★ 82	nsp	CHUKOH TAPE			-	
	★ 83	nsp	CHUKOH TAPE			-	
	★ 84	nsp	NITOFロン TAPE(W25)			-	
	★ 85	nsp	BUTYL TAPE(W50 T2)			-	
	★ 86	nsp	NITOFロン TAPE(W50)			-	
	★ 87	nsp	BUTYL TAPE (W=25)			-	
	★ 88	nsp	BUTYL TAPE(W25 T2)			-	
	89	nsp	CORD HOLDER (L76)			1	
	★ 90	nsp	PUSH RIVET			8	
	★ 91	nsp	LABEL (HOT SURFACE CAUTION)			1	
	★ 92	nsp	BUTYL TAPE (W=15)			-	
	★ 93	nsp	NITOFロン TAPE(W15)			-	
	★ 94	133050075527S	CQ93M2E102J(LP)		C563-C570	8	
SCREWS							
	101	nsp	3X8 CBTS(B)-B			57	
	102	nsp	3X6 CBTS (S)-B			23	
	103	nsp	4X8 CBTS (S)-B			13	
	104	nsp	3X8 CUP SCREW			13	
	105	nsp	3X14 CBTS (P)-Z			8	
	106	nsp	3X10 CBTS (P)-B			6	
	107	nsp	FIXING SCREW			8	
	108	nsp	3X20 CBTS (S)-Z			4	
	109	nsp	3X8 CFTS (S)-B			2	
	110	nsp	3X16 CPTS(B) SW W			6	
	111	nsp	4X16 CBS			1	
	112	nsp	4N			1	
	113	nsp	4X65 CBS			4	
	114	nsp	3X6 CPS (SW.W) ZNP			31	
	115	nsp	3X8 CBTS (P)-Z			17	
	116	ORD4737520011	2.6X10 CFTS(P)			4	
	117	nsp	3X8 CFTS (S)-Z			4	
	118	nsp	SPECIAL SCREW			16	
	119	nsp	4X10 CBTS (S)-B			8	
	120	ORD4770276005	EARTH SCREW			2	
	121	nsp	3X8 CPS (SW.W)BK			1	
WIRE							
	★ 301	nsp	1P CONT.ASSY			1	
	★ 302	nsp	1P CONT.ASSY			1	
	★ 303	nsp	1P CONT.ASSY			1	
	★ 304	nsp	1P CONTACT ASS			2	
	★ 305	nsp	3P EH-EH CORD		CN031	1	
	★ 306	nsp	3P EH-EH CORD		CN037	1	
	★ 307	nsp	3P EH-EH CON.CORD		CN032	1	

	Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
	★ 308	nsp	4P EH-EH CON CORD		CN041	1	
	★ 309	nsp	5P EH-EH CON.CORD		CN054	1	
	★ 310	nsp	5P EH-EH CON CORD		CN055	1	
	★ 311	nsp	5P EH-EH CON CORD		CN056	1	
	★ 312	nsp	5P EH-EH CON CORD		CN057	1	
	★ 313	nsp	5P EH-EH CON CORD		CN051	1	
	★ 314	nsp	6P EH-EH CON.CORD		CN061	1	
	★ 315	nsp	6P EH-EH SHIELD		CN063	1	
	★ 316	nsp	6P EH-EH SHIELD		CN064	1	
	★ 317	nsp	6P EH-EH SHIELD		CN066	1	
	★ 318	nsp	5P VH-VH CON CORD		CN052	1	
	★ 319	nsp	3P 250mm PH-PH		CN035	1	
	★ 320	nsp	5P 300mm PH - PH		CN053	1	
	★ 321	nsp	6P 125mm PH - PH		CN067	1	
	★ 322	nsp	6P 300mm PH - PH		CN062	1	
	★ 323	nsp	6P 125mm PH - PH		CN065	1	
	★ 324	nsp	12P 300mm PH-PH		CN121	1	
	★ 325	nsp	13P 250mm PH - PH		CN131	1	
	★ 326	nsp	15P 400mm PH - PH		CN151	1	
	★ 327	nsp	3P 300mm PH-PH SHIELD		CN036	1	
	★ 328	nsp	1P CON. ASSY			1	
	★ 329	nsp	1P CON. ASSY			1	
	★ 330	nsp	2P CON. ASSY			1	
	★ 331	nsp	2P CON. ASSY			1	
	★ 332	nsp	2P CON. ASSY			1	
	★ 333	nsp	2P CON. ASSY			1	
	★ 334	nsp	3P VH CON.CORD			1	
	★ 335	nsp	3P VH-VH CON CORD			1	

PACKING VIEW



PARTS LIST OF PACKING & ACCESSORIES

*Parts indicated by "nsp" on this table cannot be supplied.
*The parts listed below are only for maintenance, might differ from the parts used in the unit in appearances or dimensions.

Note: The symbols in the column "Remarks" indicate the following destinations.
E3 : U.S.A. & Canada model E2 : Europe model EA : Australia model
E1C : China model CIE3 : U.S.A. & Canada model
BK : Black model SP : Premium Silver model

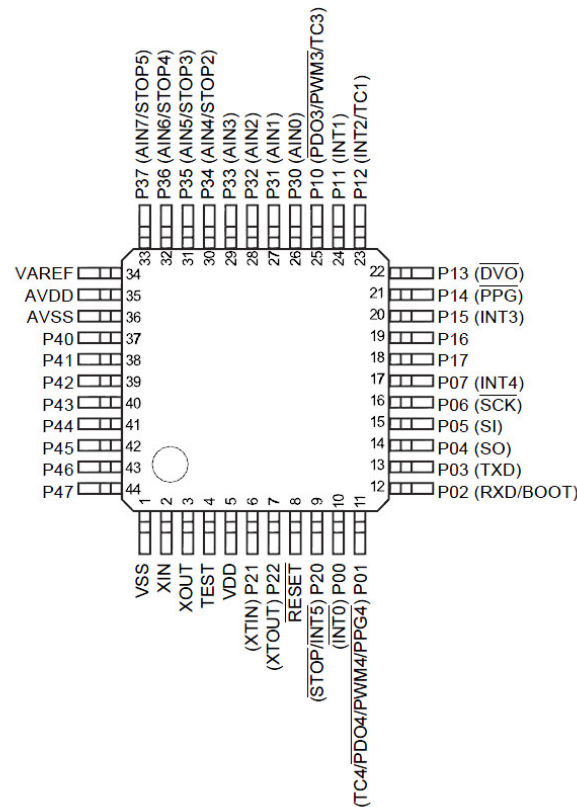
	Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
SEMICONDUCTORS GROUP							
	201	53121010703AD	CARTON CASE			1	
	202	nsp	CABINET SHEET			1	
	203	53361005412AD	CUSHION ASSY			1	
	204	535510005008D	ENVELOPE (ZIPPER A4)			1	
	★	54311021401AD	SAFETY INSTRUCTIONS(E2)	E2		1	
	★	54311019800AD	INSERTION SHEET			1	
	★	54111096400AD	SAFETY INSTRUCTIONS(E2)			1	
⚠	205	00MZC01803080	# 2P AC CORD 10A 250V CLASS2	E2		1	
	★	35201020000AD	INST. MANUAL (E2 CD-ROM)	E2		1	
	206	54111096800AD	INST. MANUAL (E2)	E2		1	
	207	nsp	S.S.LIST(EX)			1	
	208	30701012000AD	RC-1179			1	
	209	nsp	BATTERY (R03X2) EASTPOWER			1	
	210	nsp	CONTROL LABEL SUB ASSY			1	
	212	nsp	COLOR LABEL			2	

SEMICONDUCTORS

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

1. IC's

TMP86FH47BUG (U601)

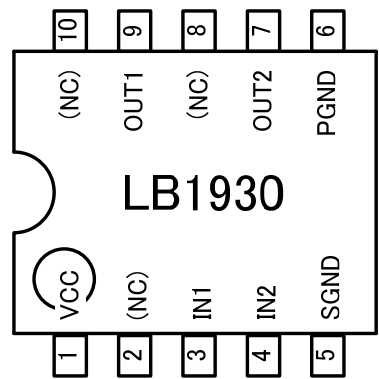


TMP86FH47BUG Terminal Functions

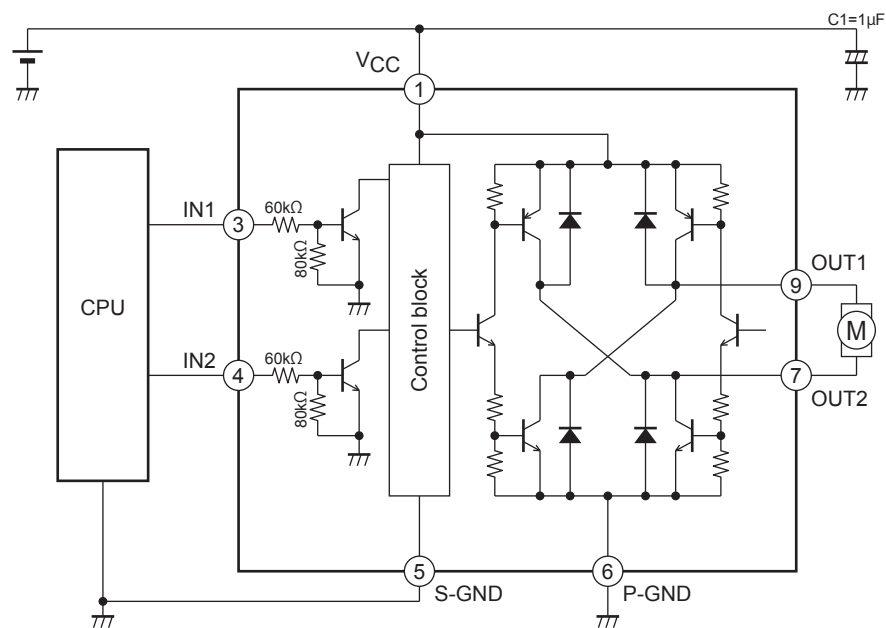
Pin No.	Port Name			I/O	Function
1	VSS				to GND
2	XIN				x'tal (8MHz)
3	XOUT				x'tal (8MHz)
4	TEST			I	to VSS/VDD
5	VDD				to VDD
6	P21	XTIN		O	LED R
7	P22	XTOUT		O	LED G
8	RESET			I	reset
9	P20	INT5	STOP	I	Stop mode cancellation
10	P00	INT0		I	ASO protector
11	P01	PDO4/PWM4/PPG4	TC4	O	P direct output
12	P02	RXD		I	RXD(program)
13	P03	TXD		O	TXD(program)
14	P04	SO		O	analog sw data (not use)
15	P05	SI		O	analog sw strobe (not use)
16	P06	SCK		O	analog sw clock (not use)
17	P07	INT4		O	source direct output
18	P17			I	P direct input
19	P16			I	source direct input
20	P15	INT3		O	ac power relay

21	P14	PPG		O	volume up
22	P13	DVO		O	volume down
23	P12	INT2	TC1	I	remocon input
24	P11	INT1		I	Power off (power failure)
25	P10	PDO3/PWM3	TC3	O	timer reset
26	P30	AIN0		AI	Model switch
27	P31	AIN1		AI	sp output A/B (not use)
28	P32	AIN2		AI	rec out selector (not use)
29	P33	AIN3		AI	function A
30	P34	AIN4	STOP2	O	muting
31	P35	AIN5	STOP3	O	sp output A (not use)
32	P36	AIN6	STOP4	O	NETWORK LED/relay drive
33	P37	AIN7	STOP5	I	THERMAL/DC protector
34	VAREF				to VDD
35	AVDD				to VDD
36	AVSS				to VSS
37	P40			O	Phono LED/relay drive
38	P41			O	CD LED/relay drive
39	P42			O	Tuner LED/relay drive
40	P43			O	AUX LED/relay drive
41	P44			O	Recorder1 LED/relay drive
42	P45			O	Recorder2 LED/relay drive
43	P46			I	SIG. Timer
44	P47			I	SIG. Det (not use)

LB1930MC (U602)

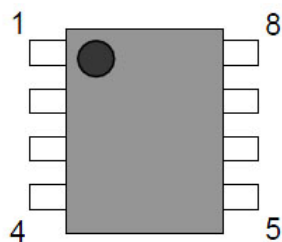


Block Diagram and Sample Application Circuit



NJU7181RB1 (U303, U304)

TVSP8



No.	Symbol	Function
1	IN	AC Input
2	AMP_OUT	Amplifier Output
3	TRIN	External Trigger Input
4	GND	Ground
5	CAP_D	Delay Time Capacitor
6	RES_D	Delay Time Resister
7	OUT	DC Output
8	V ⁺	Supply Voltage

PARTS LIST OF P.C.B. UNIT

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

*The parts listed below are only for maintenance, might differ from the parts used in the unit in appearances or dimensions.

Note: The symbols in the column "Remarks" indicate the following destinations.

E3 : U.S.A. & Canada model

E2 : Europe model

EA : Australia model

E1C : China model

CIE3 : U.S.A. & Canada model

BK : Black model

SP : Premium Silver model

8U-110132 INPUT P.W.B. UNIT ASS'Y

	Ref. No.	Part No.	Part Name	Remarks	Q'ty	New
SEMICONDUCTORS GROUP						
△	D0101-0106	00MHD20002711	1A3 1A/200V		1	
	D0121	20105001130AS	1SS133(HOMI)		1	
	D0301-0309	20105001130AS	1SS133(HOMI)		1	
	D0601-0605	00D2760794900	KDS160-RTK/P		1	
△	D0606-0612	00MHD20002711	1A3 1A/200V		1	
	D0613	00D2760794900	KDS160-RTK/P		1	
△	D0617,0618	00MHD20055101	!SHOTTKY 11EQS10 1A 100V		1	
△	D0619	00MHD20002711	1A3 1A/200V		1	
	D0620-0627	00D2760794900	KDS160-RTK/P		1	
	D0652	00D2760798948	UDZS8.2B-TE17		1	
	D0653	00D2760683943	UDZS3.6B-TE17		1	
	D0701,0702	20105001130AS	1SS133(HOMI)		1	
	D0901-0912	00D2760794900	KDS160-RTK/P		1	
	D0951-0957	00D3939658915	SEL2915A-TP6		1	
	Q0601-0611	00D2690192902	KRC102S-RTK/P (10K-10K)		1	
	Q0612,0613	00D2690088906	DTC114TKT96 +C		1	
	Q0614,0615	00D2690192902	KRC102S-RTK/P (10K-10K)		1	
	Q0616,0617	00D2690184907	KRA102S-RTK/P (10K-10K)		1	
	Q0618	00MHT700241B0	KT631K PNP TRANSISTOR RANK=Y		1	
	Q0619,0620	00D2690088906	DTC114TKT96 +C		1	
	Q0621	00D2690192902	KRC102S-RTK/P (10K-10K)		1	
	Q0622	00MHX300012AY	2SC4081 (Q R) 2SC4116 (Y GR)		1	
	Q0623,0624	00D2690192902	KRC102S-RTK/P (10K-10K)		1	
	Q0625	00MHX300012AY	2SC4081 (Q R) 2SC4116 (Y GR)		1	
	Q0626-0629	00D2690184907	KRA102S-RTK/P (10K-10K)		1	
	Q0630	00D2690192902	KRC102S-RTK/P (10K-10K)		1	
	Q0631	00D2690184907	KRA102S-RTK/P (10K-10K)		1	
	Q0632-0635	00MHX300012AY	2SC4081 (Q R) 2SC4116 (Y GR)		1	
	Q0636	00D2710260905	2SA1036KT146(S/R) +C		1	
	Q0637,0638	00MHX300012AY	2SC4081 (Q R) 2SC4116 (Y GR)		1	
	Q0639	00D2740195901	2SD2114KT196 +C		1	
	Q0640	00D2690066902	DTC323TKT96 +C		1	
	Q0641	00MHX300012AY	2SC4081 (Q R) 2SC4116 (Y GR)		1	
	Q0642	00D2690184907	KRA102S-RTK/P (10K-10K)		1	
	Q0701-0706	22255001850AS	2SK2145GR/BL(5LDMH.F)		1	*
	Q0901,0902	00D2690184907	KRA102S-RTK/P (10K-10K)		1	
	U0301,0302	00D2631289900	AZ4580MTR-E1		1	
	U0303,0304	23501005400AS	NJU7181RB1-TE1		1	*
	U0601	8R2481014700D	PMA2000RE/PMA2020AE ROM ASSY		1	
	U0602	23501005500AS	LB1930MC		1	*
	U0603	00D2631242905	NJM2831F33		1	
	U0604	00D2630793002	NJM7806FA(S)		1	
	U0605	00D2630801004	NJM7812FA(S)		1	
	U0701	00D2623555901	SA5532ADR		1	
RESISTORS GROUP						
	R0303-0312	00D2412473980	RD14B2E334JT(AMRS)		1	
	R0351	675010007006D	V2720V30FB503MC		1	
	R0695-0698	00D2442052960	RS14B3A221JNBST(S)		1	
	R0701-0704	00D2412467909	RD14B2E471JT(AMRS)	E2, E1C	1	
	R0705,0706	00D2412465943	RD14B2E101JT(AMRS)		1	
	R0707,0708	00D2412471982	RD14B2E473JT(AMRS)		1	
	R0709,0710	00D2412463903	RD14B2E100JT(AMRS)		1	
	R0711-0714	00D2412469907	RD14B2E332JT(AMRS)		1	
	R0715,0716	00D2412466926	RD14B2E221JT(AMRS)		1	

	Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
	R0717,0718	00D2412468966	RD14B2E222JT(AMRS)			1	
	R0719,0720	00D2412465927	RD14B2E820JT(AMRS)			1	
	R0721,0722	00D2412467967	RD14B2E821JT(AMRS)			1	
	R0723,0724	00D2412475975	RD14B2E225JT(AMRS)			1	
	R0725,0726	00D2412471982	RD14B2E473JT(AMRS)			1	
	R0727,0728	00D2412469923	RD14B2E392JT(AMRS)			1	
	R0729,0730	00D2412463987	RD14B2E220JT(AMRS)			1	
	R0731,0732	00D2412466926	RD14B2E221JT(AMRS)			1	
	R0733,0734	00D2412467909	RD14B2E471JT(AMRS)			1	
	R0735,0736	00D2412474921	RD14B2E474JT(AMRS)			1	
	R0737,0738	00D2412479997	RD14B2E6R8JT(AMRS)			1	
	R0739,0740	00D2412473906	RD14B2E154JT(AMRS)			1	
⚠	R0741,0742	00MGG0522016X	22 OHM +- 5% 1/6W		FLAMERETERDANT	1	
CAPACITORS GROUP							
	C0102	00D2538029726	CK45F2EAC332MC(KX)			1	
	C0103	00D2544703706	CE04W1H101MC(RFS#A)			1	
	C0104	133050083511S	CQ93M2A104JT(PEF)			1	
	C0105	00D2544576713	CE04W1V102MC(RA3)			1	
	C0106	00D2544573936	CE04W1HR47MT(RA3)			1	
	C0303-0310	133050074500S	CQ93M2E101J(LP)		E2, E1C	1	
	C0311-0319	00D2544703706	CE04W1H101MC(RFS#A)			1	
	C0320	00D2544703719	CE04W1H221MC(RFS#A)			1	
	C0321,0322	133050074500S	CQ93M2E101J(LP)		E2, E1C	1	
	C0323,0324	00D2544703777	CE04W1H470MC(RFS#A)			1	
	C0325,0326	00D2544703706	CE04W1H101MC(RFS#A)			1	
	C0327,0328	00D2544703777	CE04W1H470MC(RFS#A)			1	
	C0329-0336	00D2544573981	CE04W1H100MT(RA3)			1	
	C0337,0338	00D2544573952	CE04W1H2R2MT(RA3)			1	
	C0339,0340	133050078403S	CQ93P2D100K(FAS)			1	
	C0341	00D2561054001	CF93B1H105K(GSG))			1	
	C0342	133050076599S	CQ93M2E103J(LP)			1	
	C0347,0348	133050074500S	CQ93M2E101J(LP)			1	
	C0601	00D2544573981	CE04W1H100MT(RA3)			1	
	C0602	133050076599S	CQ93M2E103J(LP)			1	
	C0603	00D2544573981	CE04W1H100MT(RA3)			1	
	C0604	133050076599S	CQ93M2E103J(LP)			1	
	C0605	00D2544573981	CE04W1H100MT(RA3)			1	
	C0606	133050076599S	CQ93M2E103J(LP)			1	
	C0607,0608	133050090557S	CQ93P2A104JT(PPF)			1	
	C0609,0610	133050076599S	CQ93M2E103J(LP)			1	
	C0611	133050090557S	CQ93P2A104JT(PPF)			1	
	C0612	133050076599S	CQ93M2E103J(LP)			1	
	C0613	00D2544576700	CE04W1V222MC(RA3)			1	
	C0614	133050076599S	CQ93M2E103J(LP)			1	
	C0615	00D2544703777	CE04W1H470MC(RFS#A)			1	
	C0616	133050076599S	CQ93M2E103J(LP)			1	
	C0617	00D2544774719	CE04W1E221MF(RFS#A)			1	
	C0619	00D2544703777	CE04W1H470MC(RFS#A)			1	
	C0620	133050076599S	CQ93M2E103J(LP)			1	
	C0621	00D2544703777	CE04W1H470MC(RFS#A)			1	
	C0622	133050076599S	CQ93M2E103J(LP)			1	
	C0623	00D2544774719	CE04W1E221MF(RFS#A)			1	
	C0624	133050076599S	CQ93M2E103J(LP)			1	
	C0627	00D2544573994	CE04W1H220MT(RA3)			1	
	C0628	133050076599S	CQ93M2E103J(LP)			1	
	C0629	00D2544573952	CE04W1H2R2MT(RA3)			1	
	C0630	133050076599S	CQ93M2E103J(LP)			1	
	C0631,0632	00D2544573981	CE04W1H100MT(RA3)			1	
	C0633	00D2544578724	CE04W1C332MC(RA3)			1	
	C0634	133050076599S	CQ93M2E103J(LP)			1	
	C0635	00D2544573952	CE04W1H2R2MT(RA3)			1	
	C0636	133050076599S	CQ93M2E103J(LP)			1	
	C0637	00D2544573910	CE04W1HR22MT(RA3)			1	
	C0638	00D2561059996	CF93A1H105JT(JL)			1	
	C0639,0640	00D2544577945	CE04W1C101MT(RA3)			1	
	C0642	00D2544577961	CE04W1C331MT(RA3)			1	

	Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
	C0643	00D2544573949	CE04W1H010MT(RA3)			1	
	C0644	00D2544573910	CE04W1HR22MT(RA3)			1	
	C0645,0646	00D2544574906	CE04W1H330MT(RA3)			1	
	C0701,0702	133050078489S	CQ93P2D470K(FAS)	E2, E1C		1	
	C0703,0704	133050074524S	CQ93M2E151J(LP)			1	
	C0705,0706	133050075527S	CQ93M2E102J(LP)			1	
	C0707,0708	00D2544703706	CE04W1H101MC(RFS#A)			1	
	C0709,0710	133050074500S	CQ93M2E101J(LP)	E2, E1C		1	
	C0711,0712	133050076537S	CQ93M2E332J(LP)			1	
	C0713,0714	00D2544703706	CE04W1H101MC(RFS#A)			1	
	C0715,0716	00D2544702956	CE04W1H100MT(RFS#A)			1	
	C0717,0718	133050075534S	CQ93M2E122J(LP)			1	
	C0719,0720	13305014120AS	CQ93P2A683JC(FNS)			1	*
	C0721,0722	13305014020AS	CQ93P2A183JC(FNS)			1	*
	C0723,0724	133050075527S	CQ93M2E102J(LP)			1	
	C0727,0728	133050076599S	CQ93M2E103J(LP)			1	
	C0731,0732	00D2544774719	CE04W1E221MF(RFS#A)			1	
	C0901	133050076599S	CQ93M2E103J(LP)			1	
	R0313,0314	00D2544573952	CE04W1H2R2MT(RA3)			1	
OTHERS PARTS GROUP							
	B0801-0807	nsp	M3 SCREW TERMINAL			1	
	B0810	nsp	8P EH-SCN CONN.CORD			1	
⚠	F0101	00D2061096051	FUSE(218)T4AL250V	E2, E1C		1	
⚠	F0101	00D2061035096	FUSE 10.0A	JP		1	
⚠	F0102,0103	00D2061092026	FUSE 25RF 1.0A F002			1	
⚠	F0108	00D2061015032	FUSE (2.5A)	JP		1	
⚠	F0109	00D2061015032	FUSE (2.5A)	JP		1	
	H1011,1012	nsp	FUSE CLIP(TAPE)			1	
	H1081,1082	nsp	FUSE CLIP(TAPE)	JP		1	
	H1091,1092	nsp	FUSE CLIP(TAPE)	JP		1	
	K0303	643810029001S	RCA PIN JACK 2P AU MSP-242V3-12 GILT LF			1	
	K0304,0305	643810028008S	RCA PIN JACK 4P AU MSP-244V4-17 GILT LF			1	
	L0701-0704	00D2359003002	FTZ CHOKE COIL	E2, E1C		1	
	N0210	nsp	CONNECTOR 2P B3P-VH			1	
	N0220	nsp	CONNECTOR 2P B3P-VH			1	
	N0230	nsp	CONNECTOR 2P B3P-VH			1	
	N0240	nsp	CONNECTOR 2P B3P-VH			1	
	N0311	nsp	B3B-EH-TS (LF)(SN) 3P RADIAL TAPING			1	
	N0321	nsp	B3B-EH-TS (LF)(SN) 3P RADIAL TAPING			1	
	N0330	nsp	B3B-EH-TS (LF)(SN) 3P RADIAL TAPING			1	
	N0340	nsp	B3B-EH-TS (LF)(SN) 3P RADIAL TAPING			1	
	N0350	nsp	B3B-PH-K-S (LF)(SN)			1	
	N0360	nsp	B3B-PH-K-S (LF)(SN)			1	
	N0371	nsp	B3B-EH-TS (LF)(SN) 3P RADIAL TAPING			1	
	N0410,0411	nsp	B4B-EH-TS (LF)(SN) 4P RADIAL TAPING			1	
	N0510,0511	nsp	B5B-EH-TS (LF)(SN) 5P RADIAL TAPING			1	
	N0530	nsp	B5B-PH-K-S (LF)(SN)			1	
	N0540	nsp	B5B-EH-TS (LF)(SN) 5P RADIAL TAPING			1	
	N0570	nsp	B5B-EH-TS (LF)(SN) 5P RADIAL TAPING			1	
	N0611	nsp	B6B-EH-TS (LF)(SN) 6P RADIAL TAPING JST			1	
	N0620	nsp	B6B-PH-K-S (LF)(SN)			1	
	N0631	nsp	B6B-EH-TS (LF)(SN) 6P RADIAL TAPING JST			1	
	N0641	nsp	B6B-EH-TS (LF)(SN) 6P RADIAL TAPING JST			1	
	N0661	nsp	B6B-EH-TS (LF)(SN) 6P RADIAL TAPING JST			1	
	N0670	nsp	B6B-PH-K-S (LF)(SN)			1	
	N0690	nsp	B6B-PH-K-S (LF)(SN)			1	
⚠	N0701	641050009007D	AC OUTLET	JP		1	
	N1210	nsp	B12B-PH-K-S (LF)(SN)			1	
	N1310	nsp	B13B-PH-K-S (LF)(SN)			1	
	N1311	nsp	S13B-PH-K-S (LF)(SN)			1	
	N1510,1511	nsp	B15B-PH-K-S (LF)(SN)			1	
⚠	S0101	00D2140241002	RELAY DL1SU TV-8			1	
	S0301-0309	00D2140127003	RELAY(RY-12W)			1	
	S0601	00D2140127003	RELAY(RY-12W)			1	
	S0701	665010011008D	1P PUSH SWITCH(4-2)			1	
	S0901	00D2120407002	ROTALY SW.(SRRM-12)			1	

	Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
⚠	T0101	10101016700AD	STANDBY TRANS E2		E2, E1C	1	*
⚠	T0101	10101016600AD	STANDBY TRANS JP		JP	1	*
	X0601	00MFQ08004061	CSTS MG 8MHZ TAPING(15PF)			1	
	Z0101	nsp	M3 SCREW TERMINAL			1	
	Z0601	nsp	STYLE PIN			1	
	Z0603	nsp	STYLE PIN			1	
	Z0702	nsp	VINYL WIRE			1	
	Z0703	nsp	VINYL WIRE			1	
	Z0902	nsp	STYLE PIN			1	

8U-110133 POWER AMP P.W.B. UNIT ASS'Y

Note: The symbols in the column "Remarks" indicate the following destinations.

E3 : U.S.A. & Canada model

E2 : Europe model

EA : Australia model

E1C : China model

CIE3 : U.S.A. & Canada model

BK : Black model

SP : Premium Silver model

	Ref. No.	Part No.	Part Name	Remarks	Q'ty	New
SEMICONDUCTORS GROUP						
	D0201	20105001130AS	1SS133(HOMI)		1	
	D0501-0514	20105001130AS	1SS133(HOMI)		1	
	D0515,0516	00D2760683930	UDZS5.1B-TE17 +C		1	
	D0517-0520	00D2760798948	UDZS8.2B-TE17		1	
	D0521,0522	00D2760683930	UDZS5.1B-TE17 +C		1	
⚠	D0801	00MHE20030290	D30XBN20 SBD BRIDGE		1	
	D0908	00D3939645009	SML1216W(D)		1	
	D0909	00MHI20002210	SIR-34ST3F		1	
	D0921	20105001130AS	1SS133(HOMI)		1	
	D0951	00D2760683930	UDZS5.1B-TE17 +C		1	
	Q0201-0204	00D2690184907	KRA102S-RTK/P (10K-10K)		1	
	Q0501,0502	22255001850AS	2SK2145GR/BL(5LDMH.F)		1	*
	Q0503-0508	00D2730479909	2N5551S-RTK/P		1	
⚠	Q0509-0512	21105001420AS	KTA1360-Y-U/PH		1	
⚠	Q0513,0514	21305001420AS	KTC3423-Y-U/PH		1	
⚠	Q0515,0516	00D2730445001	2SC4495		1	
⚠	Q0517,0518	00D2730461001	KTC4370A-Y-U/P		1	
⚠	Q0519,0520	00D2710302009	KTA1659A-Y-U/P		1	
⚠	Q0521-Q0524	22205001700AS	TK70J20D		1	*
	Q0525,0526	00D2730479909	2N5551S-RTK/P		1	
	Q0527,0528	00D2710318909	2N5401S-RTK/P		1	
	Q0529-0532	00D2730479909	2N5551S-RTK/P		1	
	Q0533,0534	00D2710318909	2N5401S-RTK/P		1	
	Q0903,0904	00D2690184907	KRA102S-RTK/P (10K-10K)		1	
	U0201	00D2630743007	NJM2082DD		1	
	U0901	00D2623602003	GP1UE271XKVF		1	
	U0902	00D3991126003	GP1UE261XKVF		1	
RESISTORS GROUP						
⚠	R0227,0228	00MGG0522016X	22 OHM +- 5% 1/6W	FLAMERETERDANT	1	
	R0233,0234	00D2412469949	RD14B2E472JT(AMRS)		1	
	R0251	00D2110798103	V14V20FW104K		1	
	R0252	00D2110834012	V14V20FA103K		1	
	R0253	00D2110834009	V14V20FA303K		1	
	R0301,0302	00D2412473980	RD14B2E334JT(AMRS)		1	
	R0471,0472	00D2412465943	RD14B2E101JT(AMRS)		1	
	R0473,0474	00D2412475904	RD14B2E105JT(AMRS)		1	
	R0479,0480	00D2412467909	RD14B2E471JT(AMRS)	E2, E1C	1	
	R0501,0502	121050023202S	RD05A2H332FF(AMRR)		1	
	R0503-0506	00D2412469949	RD14B2E472JT(AMRS)		1	
	R0507,0508	00D2412467909	RD14B2E471JT(AMRS)		1	
	R0509,0510	121050029200S	RD05A2H105FF(AMRR)		1	
	R0511,0512	00D2412468908	RD14B2E122JT(AMRS)		1	
	R0513,0514	121050025246S	RD05A2H333FF(AMRR)		1	
	R0515,0516	121050022209S	RD05A2H122FF(AMRR)		1	
	R0517,0518	00D2412468924	RD14B2E152JT(AMRS)		1	
	R0519-0526	00D2442694975	RS14B3A331JNBST AMRA		1	
	R0529,0530	00D2442694917	RS14B3A820JNBST AMRA		1	
	R0531,0532	00D2442696944	RS14B3A153JNBST AMRA		1	
	R0533,0534	00D2412470909	RD14B2E822JT(AMRS)		1	
	R0535,0536	00D2412467983	RD14B2E102JT(AMRS)		1	
	R0537-0540	00D2442694946	RS14B3A151JNBST AMRA		1	
	R0541,0542	00D2412475904	RD14B2E105JT(AMRS)		1	
	R0543,0544	00D2412469907	RD14B2E332JT(AMRS)		1	
⚠	R0546-0550	00D2442693989	RS14B3A470JNBST AMRA		1	
	R0551,0552	121050025291S	RD05A2H513FF(AMRR)		1	
⚠	R0553-0556	00D2442693989	RS14B3A470JNBST AMRA		1	
⚠	R0557,0558	00MGO05001056	0.1 OHMS +-5% 5W PBR58		1	

	Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
	R0559,0560	00D2412468966	RD14B2E222JT(AMRS)			1	
	R0565,0566	00D2442693947	RS14B3A220JNBST AMRA			1	
	R0567,0568	00D2412470967	RD14B2E153JT(AMRS)			1	
	R0569-0572	00D2412470941	RD14B2E123JT(AMRS)			1	
	R0573,0574	00D2412470925	RD14B2E103JT(AMRS)			1	
	R0575,0576	00D2412471940	RD14B2E333JT(AMRS)			1	
⚠	R0577	00D2442693989	RS14B3A470JNBST AMRA			1	
	R0581,0582	16101000643AS	V06QB502T			1	
	R0585,0586	00D2442698007	RS14B3D100JNBF(AMRA)			1	
CAPACITORS GROUP							
	C0201	00D2544702956	CE04W1H100MT(RFS#A)			1	
	C0203,0204	133050074500S	CQ93M2E101J(LP)			1	
	C0205,0206	00D2544573981	CE04W1H100MT(RA3)			1	
	C0207,0208	00D2544569937	CE04W1E221MT(RA3)			1	
	C0209,0210	00D2561058913	CF93A1H333JT (JL)			1	
	C0211,0212	00D2544573910	CE04W1HR22MT(RA3)			1	
	C0213,0214	00D2544573907	CE04W1H0R1MT(RA3)			1	
	C0215,0216	00D2544573936	CE04W1HR47MT(RA3)			1	
	C0217,0218	133050074500S	CQ93M2E101J(LP)			1	
	C0471,0472	133050074500S	CQ93M2E101J(LP)			1	
	C0477,0478	133050074500S	CQ93M2E101J(LP)	E2, E1C		1	
	C0501,0502	00D2556188047	CQ09S2B101KF(PPSC)			1	
	C0503,0504	133050076513S	CQ93M2E222J(LP)			1	
	C0505,0506	00D2544702956	CE04W1H100MT(RFS#A)			1	
	C0507,0508	133050064268S	CQ09S2B330KF(PPSC)			1	
	C0509,0510	133050078489S	CQ93P2D470K(FAS)			1	
	C0517,0518	133050074555S	CQ93M2E271J(LP)			1	
	C0519,0520	133050074500S	CQ93M2E101J(LP)			1	
	C0521-0524	00D2544703719	CE04W1H221MC(RFS#A)			1	
	C0525,0526	00D2556188005	CQ09S2B103JF(PPSC)			1	
	C0527,0528	133050074500S	CQ93M2E101J(LP)			1	
	C0529-0534	133050076599S	CQ93M2E103J(LP)			1	
	C0537-0540	00D2544703719	CE04W1H221MC(RFS#A)			1	
	C0541,0542	00D2568036006	CF93B2E104K(WAG)			1	
	C0545-0548	00D2544705733	CE04W2A101MC(RFS#A)			1	
	C0559-0562	00D2544702956	CE04W1H100MT(RFS#A)			1	
	C0571,0572	133050076599S	CQ93M2E103J(LP)			1	
	C0725	00D2561054001	CF93B1H105K(GSG))			1	
	C0808	133050076599S	CQ93M2E103J(LP)			1	
	C0904	133050076599S	CQ93M2E103J(LP)			1	
	C0905	00D2544573949	CE04W1H010MT(RA3)			1	
	C0906	133050076599S	CQ93M2E103J(LP)			1	
	C0907	00D2544573949	CE04W1H010MT(RA3)			1	
OTHERS PARTS GROUP							
	B0808-0810	nsp	M3 SCREW TERMINAL			1	
	B0813,0814	nsp	M3 SCREW TERMINAL			1	
	K0301	00D2048548001	4P PIN JACK(18MM)			1	
	K0306,0307	643810028008S	RCA PIN JACK 4P AU MSP-244V4-17 GILT LF			1	
	K0501	643010073204S	PHONE JACK BOARD(9P)			1	
	K0901	00D2048729008	2P MINI JACK			1	
	N0011-0016	00D2050864003	M3 SCREW TERMINAL			1	
	N0221	nsp	CONNECTOR 2P B3P-VH			1	
	N0310	nsp	B3B-EH-TS (LF)(SN) 3P RADIAL TAPING			1	
	N0320	nsp	B3B-EH-TS (LF)(SN) 3P RADIAL TAPING			1	
	N0351	nsp	B3B-PH-K-S (LF)(SN)			1	
	N0361	nsp	B3B-PH-K-S (LF)(SN)			1	
	N0501,0502	nsp	3P NH CONNECTOR BASE			1	
	N0521-0524	nsp	6P PIN HEADER(6035)			1	
	N0531	nsp	B5B-PH-K-S (LF)(SN)			1	
	N0541	nsp	S5B-EH			1	
	N0550	nsp	B5B-EH-TS (LF)(SN) 5P RADIAL TAPING			1	
	N0560	nsp	B5B-EH-TS (LF)(SN) 5P RADIAL TAPING			1	
	N0610	nsp	B6B-EH-TS (LF)(SN) 6P RADIAL TAPING JST			1	
	N0621	nsp	B6B-PH-K-S (LF)(SN)			1	
	N0630	nsp	B6B-EH-TS (LF)(SN) 6P RADIAL TAPING JST			1	

	Ref. No.	Part No.	Part Name	Remarks		Q'ty	New
	N0640	nsp	B6B-EH-TS (LF)(SN) 6P RADIAL TAPING JST			1	
	N0650	nsp	S6B-PH-K-S (LF)(SN)			1	
	N0651	nsp	B6B-PH-K-S (LF)(SN)			1	
	N0811	nsp	B8B-EH			1	
	N0911-0914	nsp	M3 SCREW TERMINAL			1	
	N1011	nsp	B10B-EH			1	
	N1211	nsp	B12B-PH-K-S (LF)(SN)			1	
△	S0101	66105000300AS	POWER SWITCH (TV-5)			1	
	S0201	665010010005D	1P PUSH SWITCH(6-2)			1	
	S0251	00D2140127003	RELAY(RY-12W)			1	
	S0551,0552	00D2140195006	RELAY FTR-F1			1	
	S0602	665010010005D	1P PUSH SWITCH(6-2)			1	
	Z0003	nsp	M3 SCREW TERMINAL			1	
	Z0201	nsp	STYLE PIN			1	
	Z0203	nsp	STYLE PIN			1	
	Z0503,0504	252310006506S	PRF18BB471QB5RB			1	
	Z0901	nsp	STYLE PIN			1	
	Z0902	nsp	SHIELD CASE FLASHER SR7005 A332			1	
	Z0903	nsp	STYLE PIN			1	

8U-110134 FLAT AMP P.W.B. UNIT ASS'Y

Note: The symbols in the column "Remarks" indicate the following destinations.

E3 : U.S.A. & Canada model

E2 : Europe model

EA : Australia model

E1C : China model

CIE3 : U.S.A. & Canada model

BK : Black model

SP : Premium Silver model

Ref. No.	Part No.	Part Name	Remarks	Q'ty	New
SEMICONDUCTORS GROUP					
	D0404,0405	00D2760683930 UDZS5.1B-TE17 +C		1	
	D0406,0407	00D2760683943 UDZS3.6B-TE17		1	
	D0408,0409	00D2760683930 UDZS5.1B-TE17 +C		1	
	D0421-0426	20105001130AS 1SS133(HOMI)		1	
	D0427,0428	00D3939674902 SLR343EC4TT32		1	
	D0431-0433	20105001130AS 1SS133(HOMI)		1	
⚠	D0821	00D2760706008 FCH20A15		1	
⚠	D0822	00D2760707007 FRH20A15		1	
	D0823-0826	00D2760683998 UDZS16B-TE17 +C		1	
	D0828,0829	00D2760683998 UDZS16B-TE17 +C		1	
	Q0421-0424	00D2730479909 2N5551S-RTK/P		1	
	Q0425,0426	22255001850AS 2SK2145GR/BL(5LDMH.F)		1	*
	Q0429,0430	00D2730479909 2N5551S-RTK/P		1	
	Q0431,0432	00D2730471907 KTC3206-Y-AT/P		1	
	Q0433-0436	00D2710314903 KTA1024-Y-AT/P		1	
	Q0437,0438	00D2750069001 2SK215		1	
	Q0439,0440	00D2750068002 2SJ78		1	
	Q0451,0452	00D2690088906 DTC114TKT96 +C		1	
	Q0821-0824	00D2750094908 2SK209-GR +C		1	
⚠	Q0825	00D2730461001 KTC4370A-Y-U/P		1	
⚠	Q0826	00D2710302009 KTA1659A-Y-U/P		1	
⚠	Q0827	00D2730461001 KTC4370A-Y-U/P		1	
⚠	Q0828	00D2710302009 KTA1659A-Y-U/P		1	
RESISTORS GROUP					
	R0421,0422	00D2412475904 RD14B2E105JT(AMRS)		1	
	R0423,0424	00D2412466926 RD14B2E221JT(AMRS)		1	
	R0425,0426	00D2412471940 RD14B2E333JT(AMRS)		1	
	R0427,0428	00D2412471982 RD14B2E473JT(AMRS)		1	
⚠	R0429-0432	00D2442695929 RS14B3A102JNBST AMRA		1	
	R0433,0434	00D2412466968 RD14B2E331JT(AMRS)		1	
	R0435,0436	00D2412467967 RD14B2E821JT(AMRS)		1	
	R0437,0438	00D2412475904 RD14B2E105JT(AMRS)		1	
	R0439,0440	00D2412469965 RD14B2E562JT(AMRS)		1	
	R0441,0442	00D2412467983 RD14B2E102JT(AMRS)		1	
⚠	R0443,0444	00D2442694920 RS14B3A101JNBST AMRA		1	
	R0445-0448	00D2442693989 RS14B3A470JNBST AMRA		1	
	R0449,0450	00D2412474921 RD14B2E474JT(AMRS)		1	
	R0451-0454	00D2442693989 RS14B3A470JNBST AMRA		1	
	R0457,0458	00D2412465943 RD14B2E101JT(AMRS)		1	
	R0475-0478	00D2412472965 RD14B2E104JT(AMRS)		1	
	R0821-0824	00D2412467983 RD14B2E102JT(AMRS)		1	
⚠	R0825,0826	00MGG0501016X 1 OHM +- 5% 1/6W	FLAMERETERDANT	1	
CAPACITORS GROUP					
	C0421,0422	00D2556188047 CQ09S2B101KF(PPSC)		1	
	C0423,0424	00D2544702956 CE04W1H100MT(RFS#A)		1	
	C0425,0426	133050076599S CQ93M2E103J(LP)		1	
	C0427-0430	00D2544702943 CE04W1H4R7MT(RFS#A)		1	
	C0431,0432	133050078472S CQ93P2D390K(FAS)		1	
	C0433-0436	133050076551S CQ93M2E472J(LP)		1	
	C0437,0438	00D2556188005 CQ09S2B103JF(PPSC)		1	
	C0439,0440	133050076599S CQ93M2E103J(LP)		1	
	C0441-0444	00D2544703706 CE04W1H101MC(RFS#A)		1	
	C0451	00D2544703748 CE04W1H102MC(RFS#A)		1	
	C0453	00D2544703748 CE04W1H102MC(RFS#A)		1	
	C0455,0456	133050078489S CQ93P2D470K(FAS)		1	
	C0461-0463	00D2544703777 CE04W1H470MC(RFS#A)		1	
	C0466	00D2544703719 CE04W1H221MC(RFS#A)		1	

Ref. No.	Part No.	Part Name	Remarks	Q'ty	New
C0473-0476	00D2544703777	CE04W1H470MC(RFS#A)		1	
C0827,0828	133050076599S	CQ93M2E103J(LP)		1	
C0829,0830	00D2544703777	CE04W1H470MC(RFS#A)		1	
C0831,0832	00D2544703748	CE04W1H102MC(RFS#A)		1	
C0833,0834	133050076599S	CQ93M2E103J(LP)		1	
C0835,0836	00D2544703777	CE04W1H470MC(RFS#A)		1	
C0837,0838	00D2544703748	CE04W1H102MC(RFS#A)		1	
C0839,0840	133050076599S	CQ93M2E103J(LP)		1	
C0841-0844	00D2544703748	CE04W1H102MC(RFS#A)		1	
OTHERS PARTS GROUP					
⚠ F0821,0822	00D2061093012	FUSE 25RF 3.15A F006		1	
N0250	nsp	2P PLUG B2P3S-VH		1	
N0260	nsp	2P PLUG B2P3S-VH		1	
N0370	nsp	B3B-EH-TS (LF)(SN) 3P RADIAL TAPING		1	
N0520,0521	nsp	B5P-VH		1	
N0551	nsp	B5B-EH-TS (LF)(SN) 5P RADIAL TAPING		1	
N0561	nsp	B5B-EH-TS (LF)(SN) 5P RADIAL TAPING		1	
N0571	nsp	B5B-EH-TS (LF)(SN) 5P RADIAL TAPING		1	
N0660	nsp	B6B-EH-TS (LF)(SN) 6P RADIAL TAPING JST		1	
N0671	nsp	B6B-PH-K-S (LF)(SN)		1	
S0401-0403	00D2140127003	RELAY(RY-12W)		1	
Z0801	nsp	STYLE PIN		1	
Z0811	nsp	M3 SCREW TERMINAL		1	

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.