

DENON

Ver. 5

Please refer to the
MODIFICATION NOTICE.

SERVICE MANUAL

MODEL	JP	E3	E2	EK	EA	E1C	E1K	
PMA-1520AE			✓			✓		

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

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ABOUT THIS MANUAL

Read the following information before using the service manual.

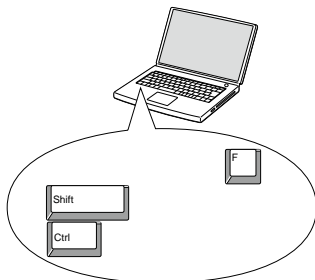
What you can do with this manual

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.

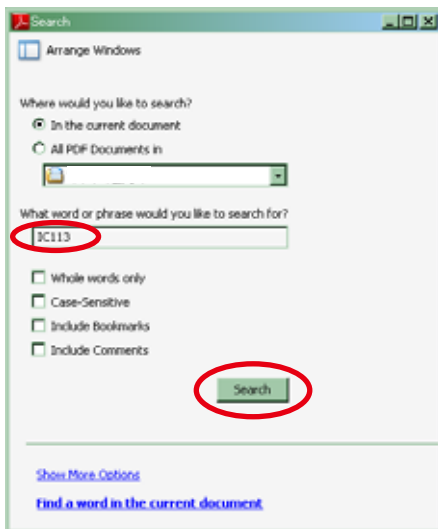
1. Press **Ctrl+Shift+F** on the keyboard.

- 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.



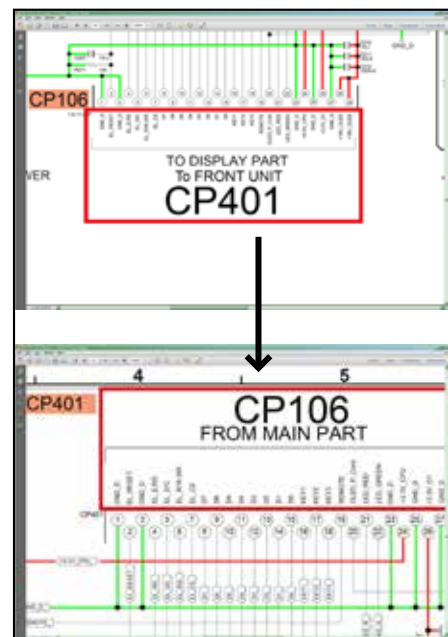
3. Click an item on the list.

- 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)

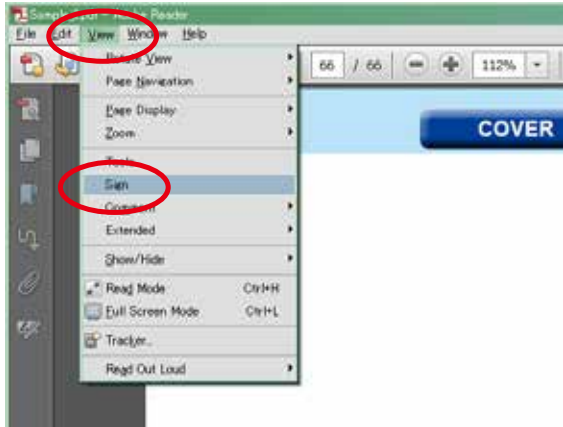
The Sign function lets you add notes to the data in this manual.

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]

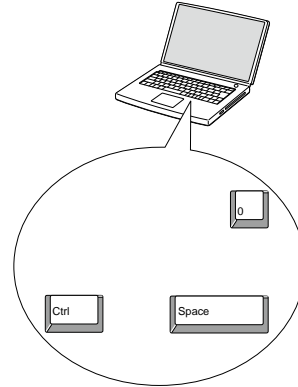
On the "Document" menu, click "Sign".

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.

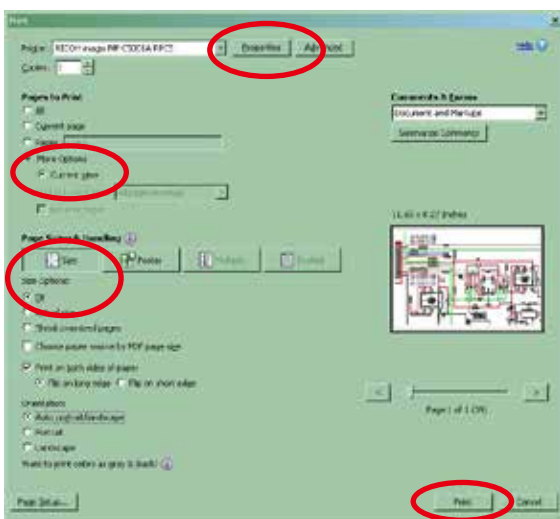


- When you want to move the area shown, hold down **Space** and drag the mouse.
- When you want to show a full page view, press **Ctrl+0** on the keyboard.

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.



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

• 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"

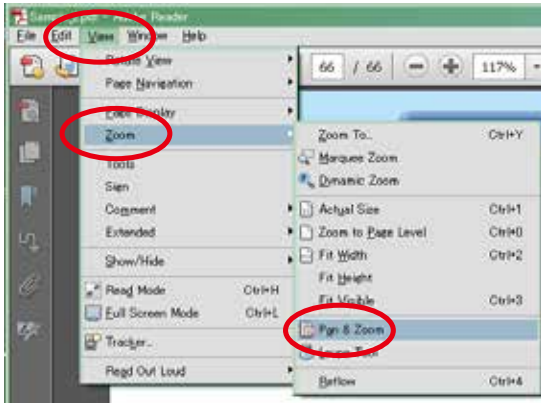
Magnify schematic / printed wiring board diagrams - 2

(Pan & Zoom function)

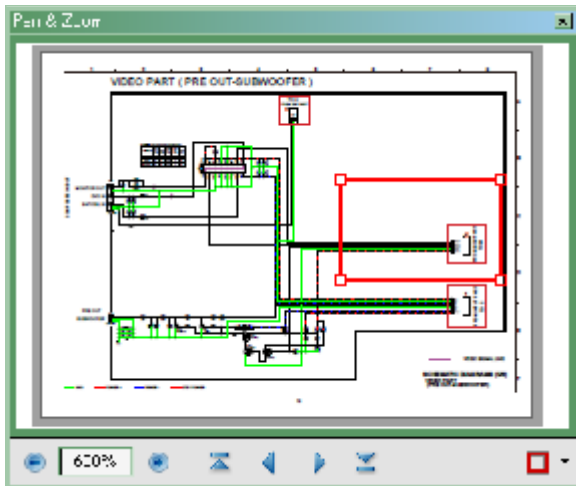
The Pan & Zoom function lets you see which part of a magnified diagram is being shown in a separate window.

[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".

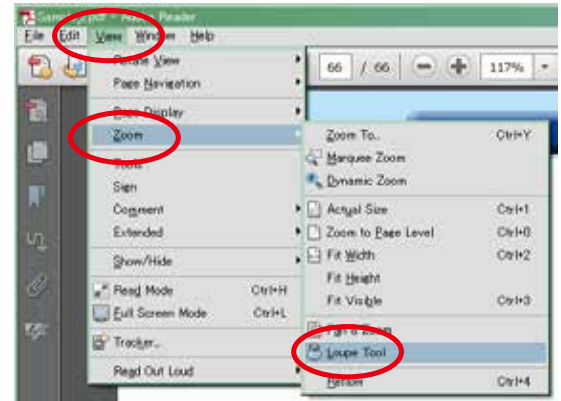
Magnify schematic / printed wiring board diagrams - 3

(Loupe Tool function)

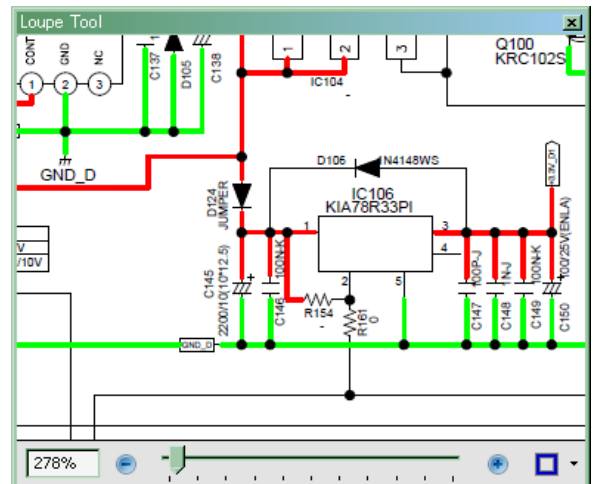
The Loupe Tool function lets you magnify a specific part of a diagram in a separate window.

[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 \triangle 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 1M Ω 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 \triangle mark.
- (2) Parts lists.....Indicated by the \triangle 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 "l" (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.

INSTRUCTIONS FOR HANDLING SEMI-CONDUCTORS AND OPTICAL UNIT

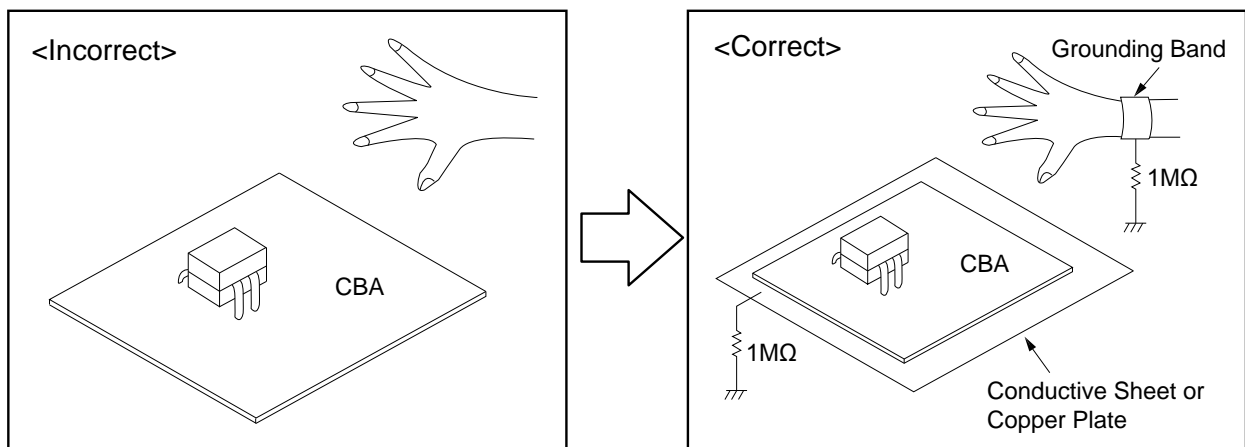
Electrostatic breakdown of the semi-conductors or optical pickup may occur due to a potential difference caused by electrostatic charge during unpacking or repair work.

1. Ground for Human Body

Be sure to wear a grounding band (1 M Ω) 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 M Ω) 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



TECHNICAL SPECIFICATIONS

Power amplifier section

- Rated Output Power:**
both channels driven (CD IN– SPEAKER OUT)
70 W + 70 W (8 Ω/ohms, 20 Hz – 20 kHz, T.H.D. 0.07 %)
- Dynamic power:**
140 W + 140 W (4 Ω/ohms, DIN, 1 kHz, T.H.D. 0.7 %)
- High frequency distortion:**
0.01 % (Rated output: –3 dB), 8 Ω/ohms, 1 kHz
- Output terminals:**
Speaker:
A or B: 4 – 16 Ω/ohms
A + B: 8 – 16 Ω/ohms
Suited for headphones/stereo headphones
- Input Sensitivity / Input Impedance:**
P. DIRECT: 0.84 V / 47 kΩ/kohms
Gain: 29 dB

Pre amplifier section

- Equalizer amplifier output: (REC OUT terminals)**
150 mV
- Input Sensitivity/Input Impedance:**
PHONO (MM): 2.5 mV/47 kΩ/kohms
PHONO (MC): 200 μV/100 Ω/ohms
CD, TUNER, AUX, NETWORK, RECORDER:
125 mV/47 kΩ/kohms (SOURCE DIRECT: Off)
125 mV/23 kΩ/kohms (SOURCE DIRECT: On)
- RIAA Deviation:**
PHONO: 20 Hz – 20 kHz ±0.5 dB
- Maximum Input:**
PHONO (MM): 130 mV/1 kHz
PHONO (MC): 10 mV/1 kHz
- Rated Output:**
PRE OUT: 0.84 V (Input CD 125 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: 108 dB
(input terminals short-circuited)
- Tone control :**
BASS: 100 Hz ±8 dB
TREBLE: 10 kHz ±8 dB

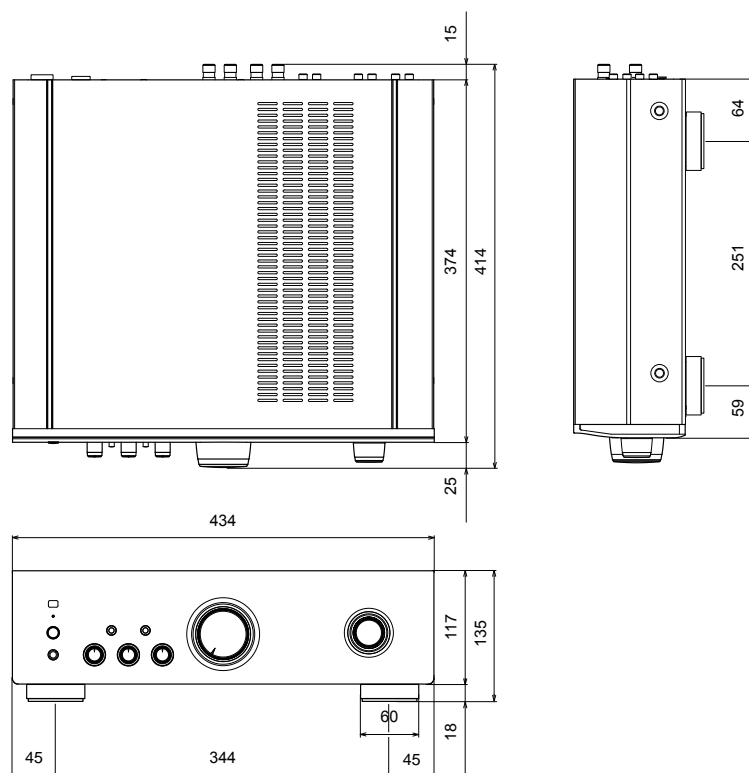
General

- Power supply (for E2 model) :** AC 230 V, 50/60 Hz
- Power supply (for E1C model) :** AC 220 V, 50 Hz
- Power supply (for JP model) :** AC 100 V, 50/60 Hz
- Power consumption :** 295 W
- Power consumption during standby :** 0.2 W

DIMENSION

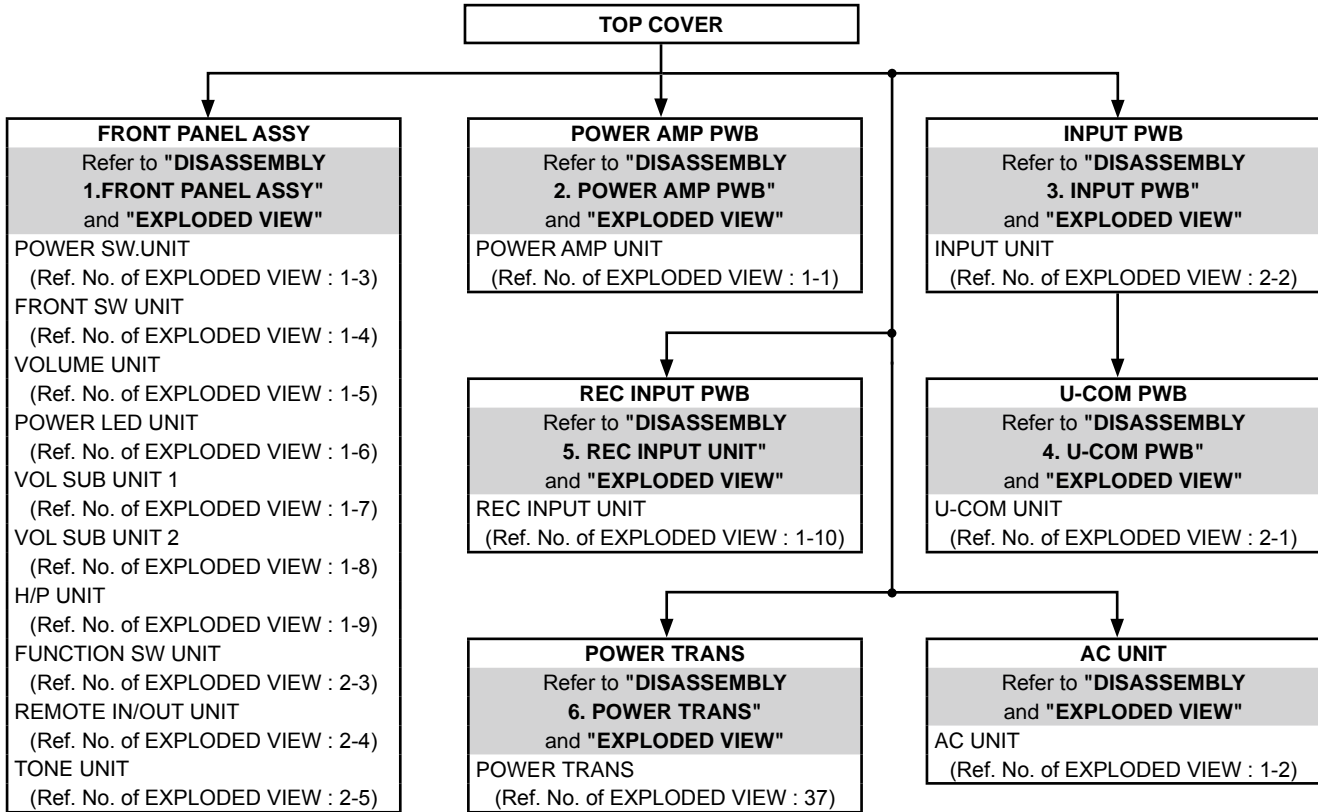
Unit : in. (mm)

Weight : 16.1 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.

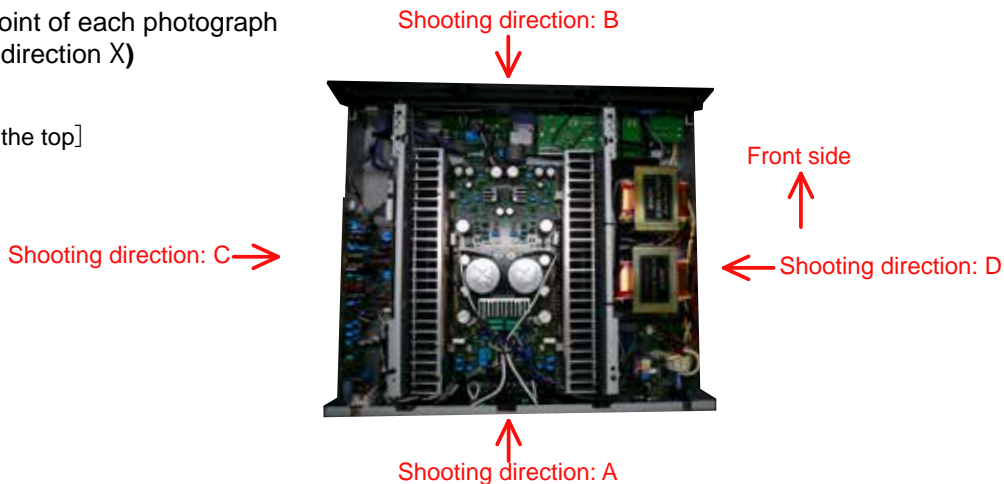


About the photos used for "descriptions of the DISASSEMBLY" section

- The shooting direction of each photograph used herein is indicated on the left side of the respective photograph as "Shooting direction: ****".
- Refer to 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)

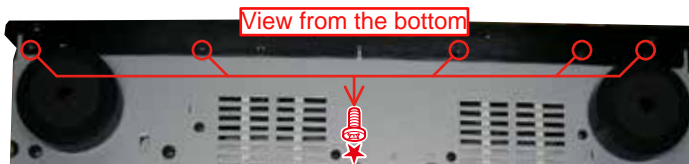
[View from the top]



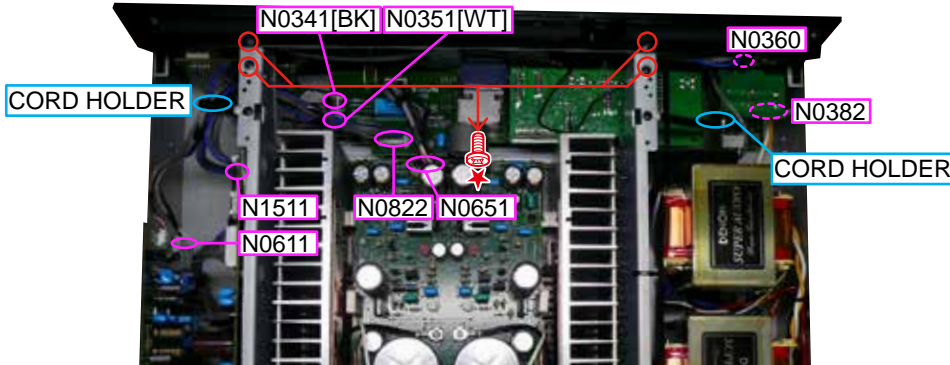
1. FRONT PANEL ASSY

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

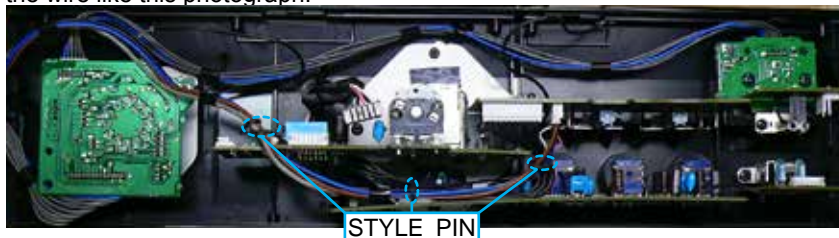
- (1) Remove the screws.



- (2) Disconnect the connector wires. Remove the CORD HOLDER and screws.



- (3) < Attention of assembling >
Fix the wiring of the wire like this photograph.

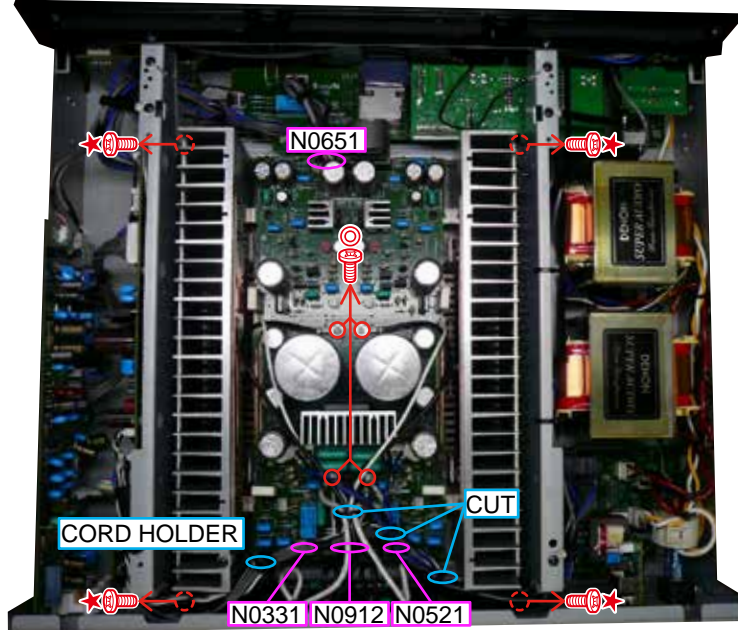


Please refer to "EXPLODED VIEW" for the disassembly method of each PWB included in FRONT PANEL ASSY.

2. POWER AMP PWB

Proceeding : **TOP COVER** → **POWER AMP PWB**

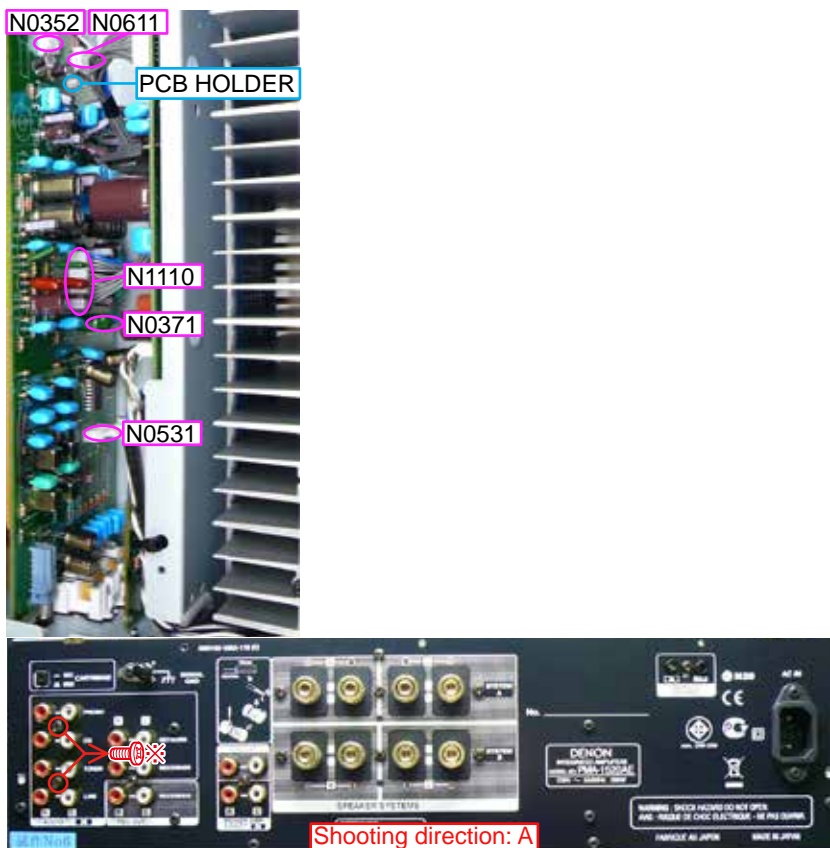
- (1) Cut the wire clamp bands, then disconnect the connector wires. Remove the CORD HOLDER and screws.



3. INPUT PWB

Proceeding : **TOP COVER** → **INPUT PWB**

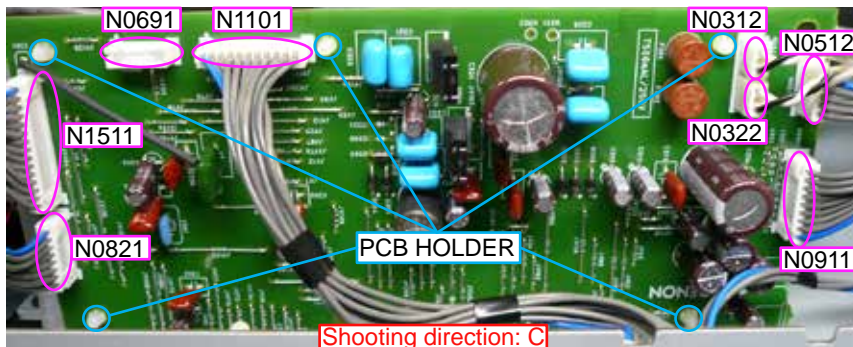
- (1) Disconnect the connector wires. Remove the PCB HOLDER and screws.



4. U-COM PWB

Proceeding : **TOP COVER** → **INPUT PWB** → **U-COM PWB**

(1) Disconnect the connector wires. Remove the PCB HOLDER.



5. REC INPUT PWB

Proceeding : **TOP COVER** → **REC INPUT PWB**

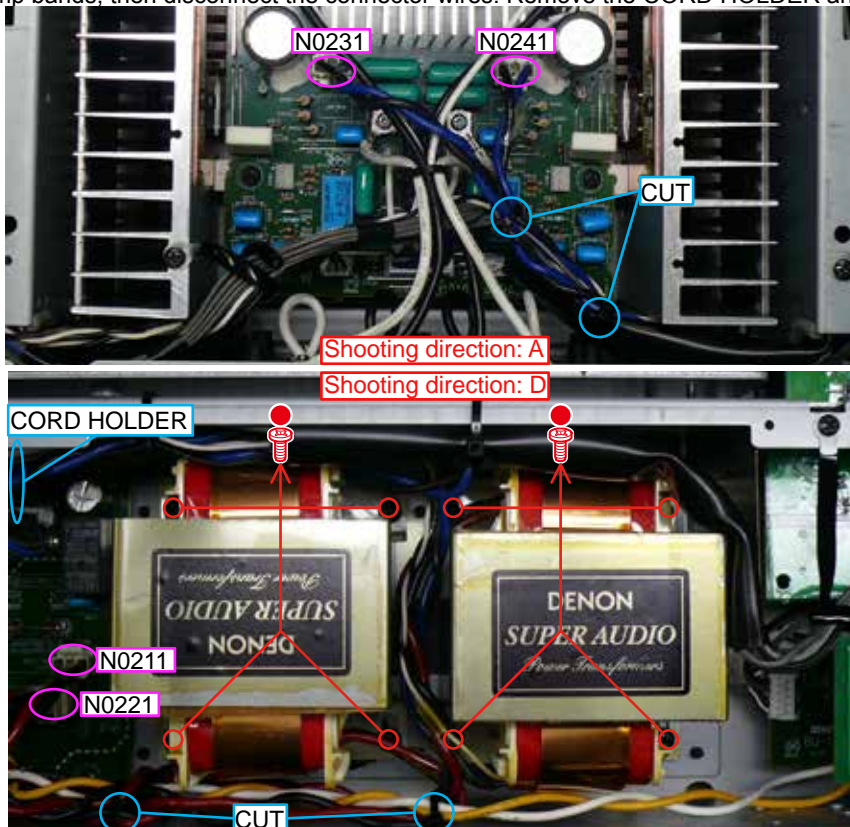
(1) Remove the screw.



6. TRANS

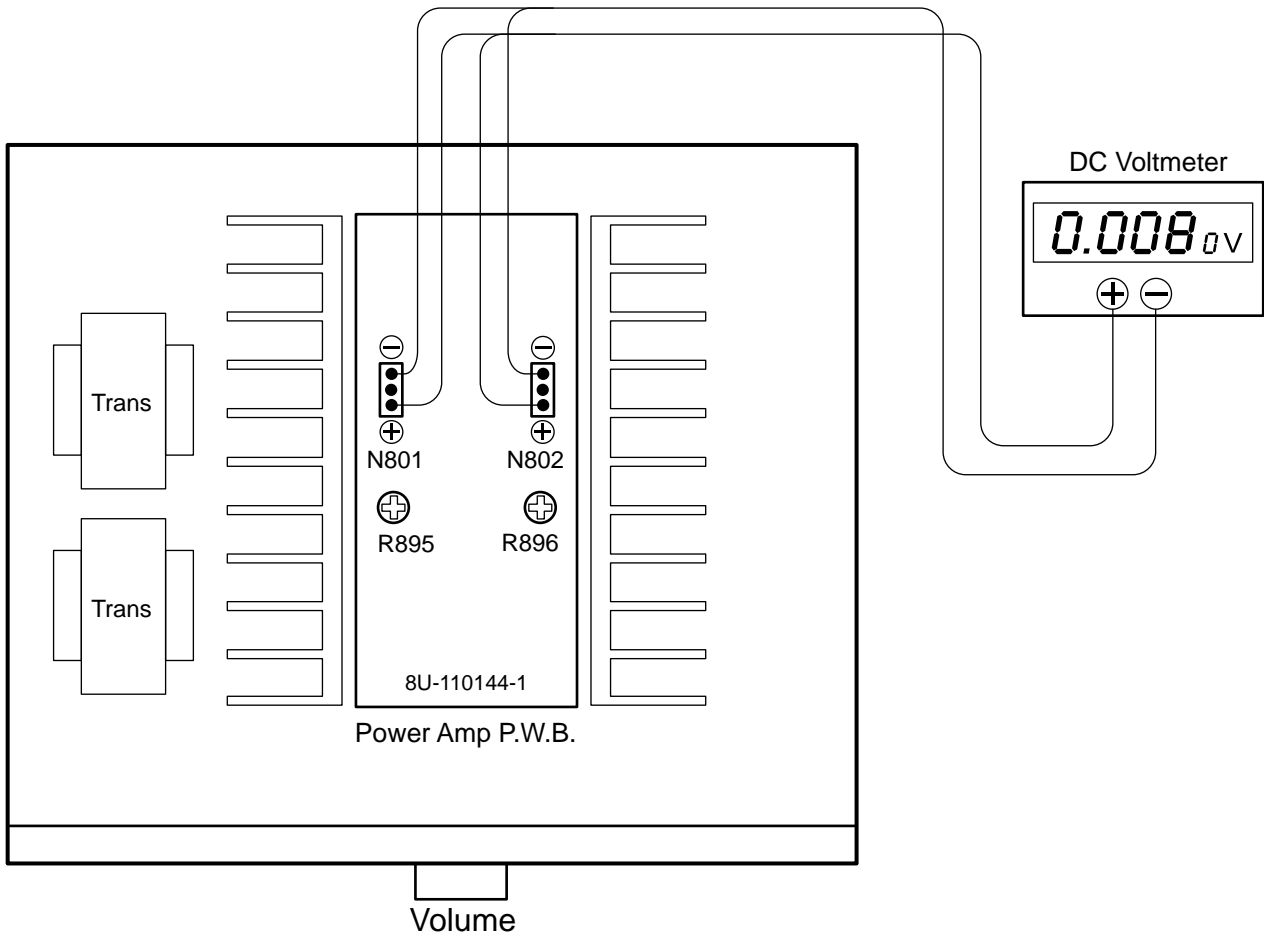
Proceeding : **TOP COVER** → **TRANS**

(1) Cut the wire clamp bands, then disconnect the connector wires. Remove the CORD HOLDER and screws.



ADJUSTMENT

IDLING CURRENT ALIGNMENT



Setup

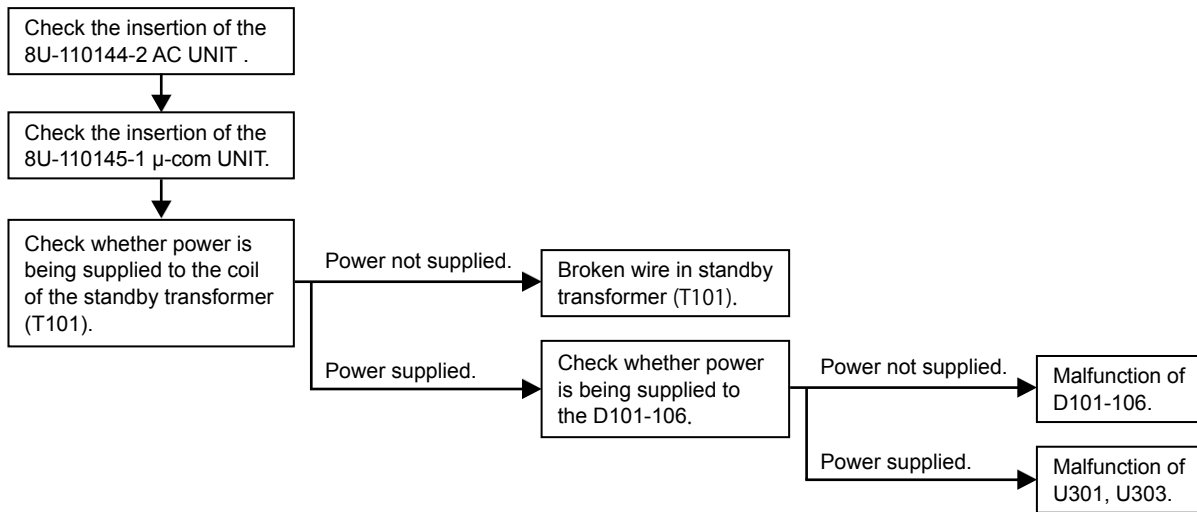
- (1) Place the unit at an ordinary position avoiding direct air flow from an air-conditioner or fan. Do the adjustment at a temperature between 15°C (59°F) and 30°C (86°F).
- (2) Set control as follows.
 - POWER switch → OFF (■).
 - VOLUME control → Fully counterclockwise (Ω min).
 - SPEAKER terminals → Open: do not connect the speakers.

Adjustment

- (1) Remove top cover. And then connect DC voltmeter to the test points N801 and N802 of POWER AMP P.W.B. (8U-110144-1).
- (2) Connect power cord to AC230V (218~242V) (Europe & Asia models) or (AC220V (209~231V) (China models) wall outlet, and turn POWER switch "ON" (■).
- (3) Right after power on, adjust R895 and R896 so that the DC voltmeter reads $10 \pm 2\text{mV}$.
- (4) Then after 2 minutes warmup adjust R895 and R896 so that the DC voltmeter reads $10 \pm 1\text{mV}$.
- (5) And after 10 minutes warmup adjust R895 and R896 so that the DC voltmeter reads $10 \pm 1\text{mV}$.

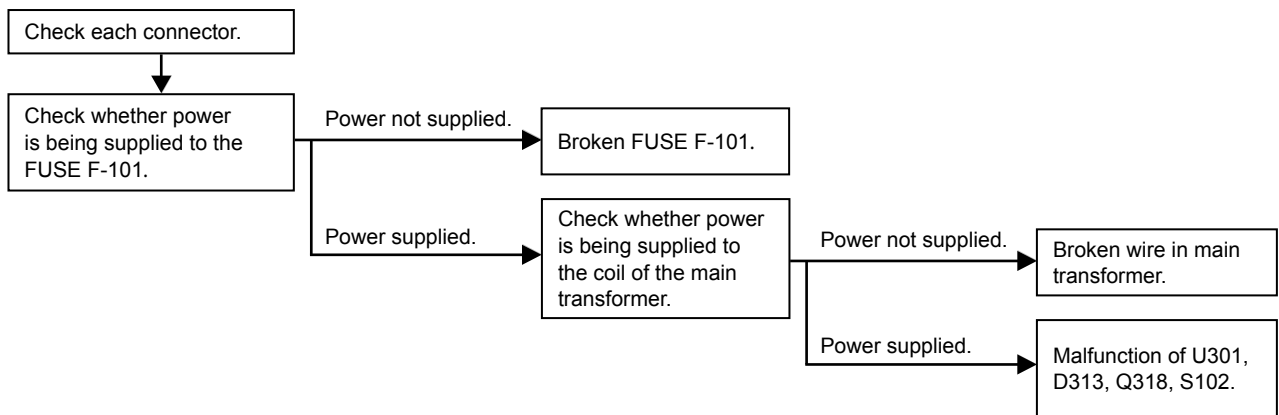
TROUBLE SHOOTING

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

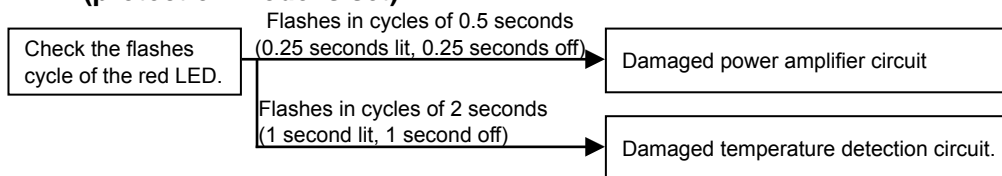


2. The power turned on, but a sound does not output normally. (Both channels)

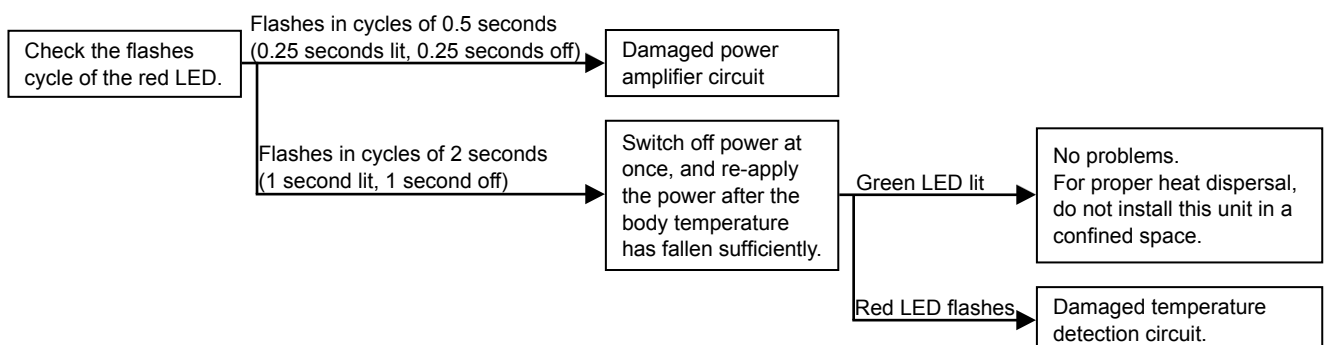
2.1 Set remains in standby mode.



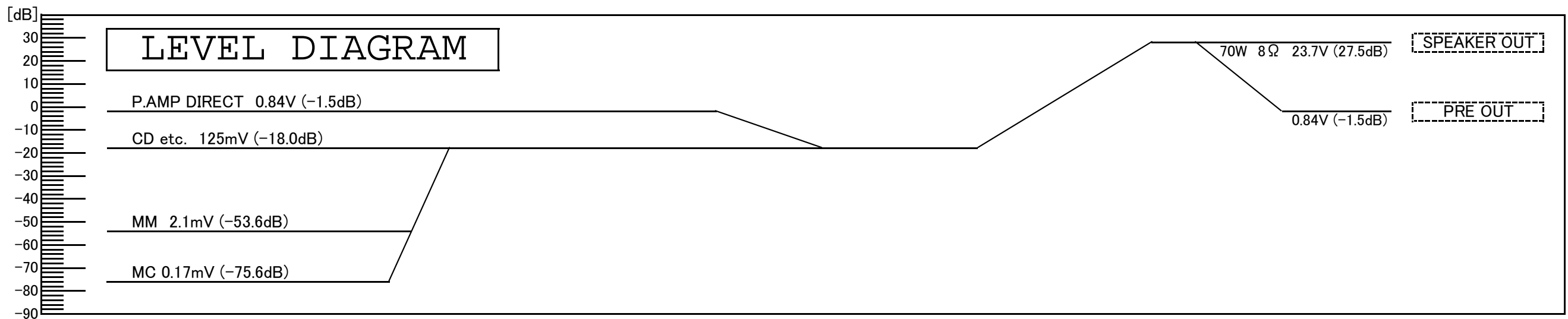
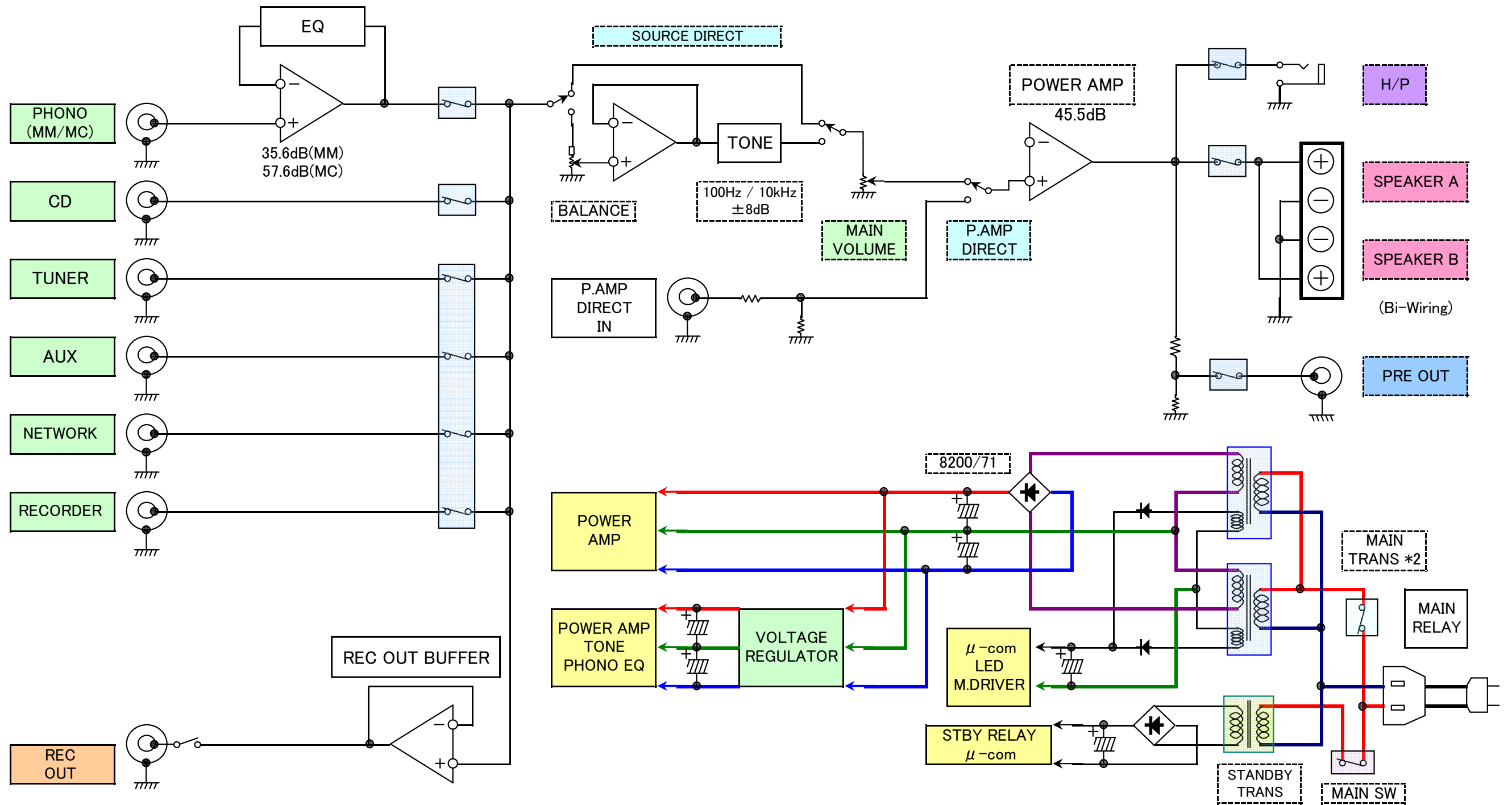
2.2 Power indicator LED remains flashing red and muting mode is not canceled (protection mode is set).



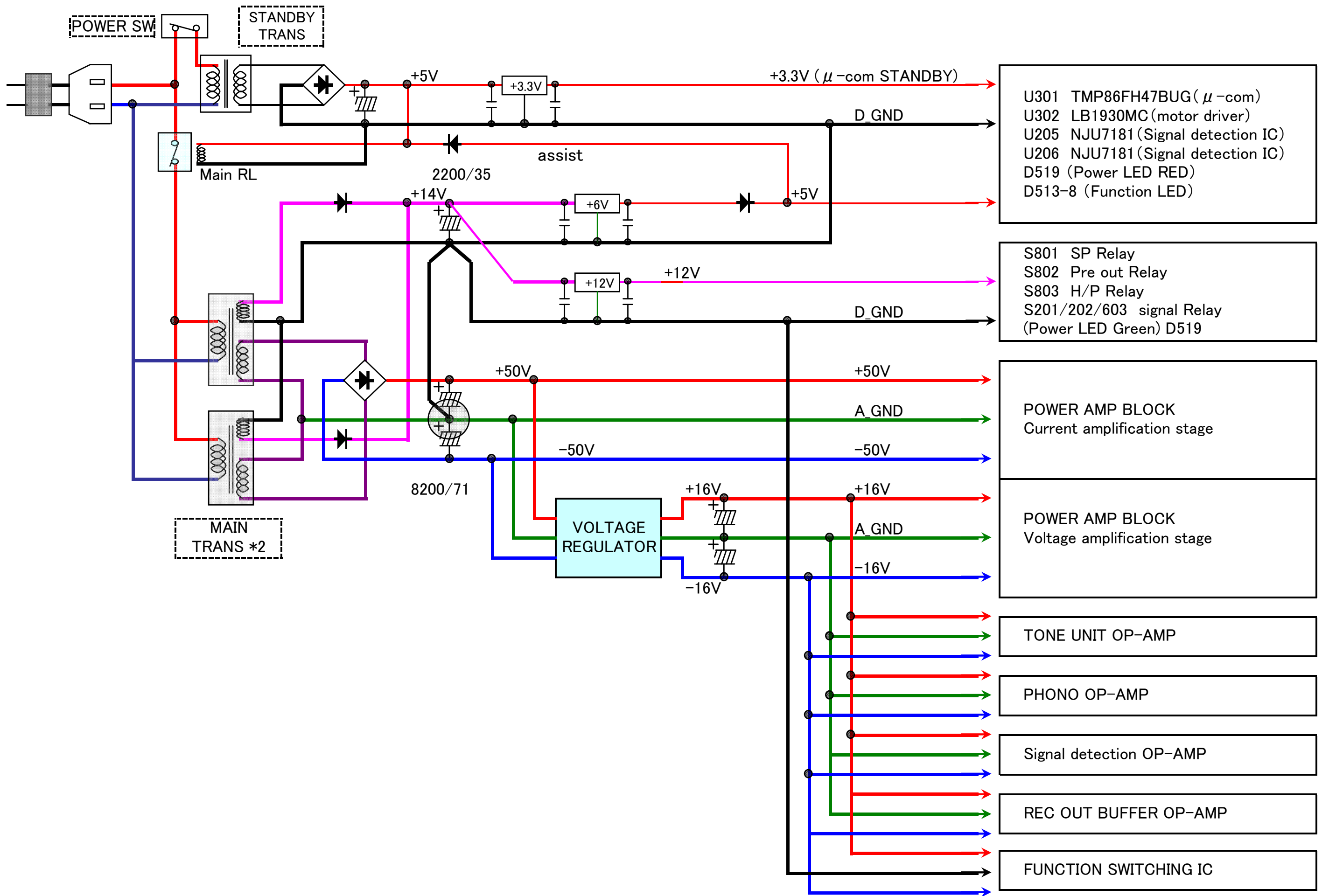
2.3 Set operates, but then power indicator LED flashes red (protection mode is set).



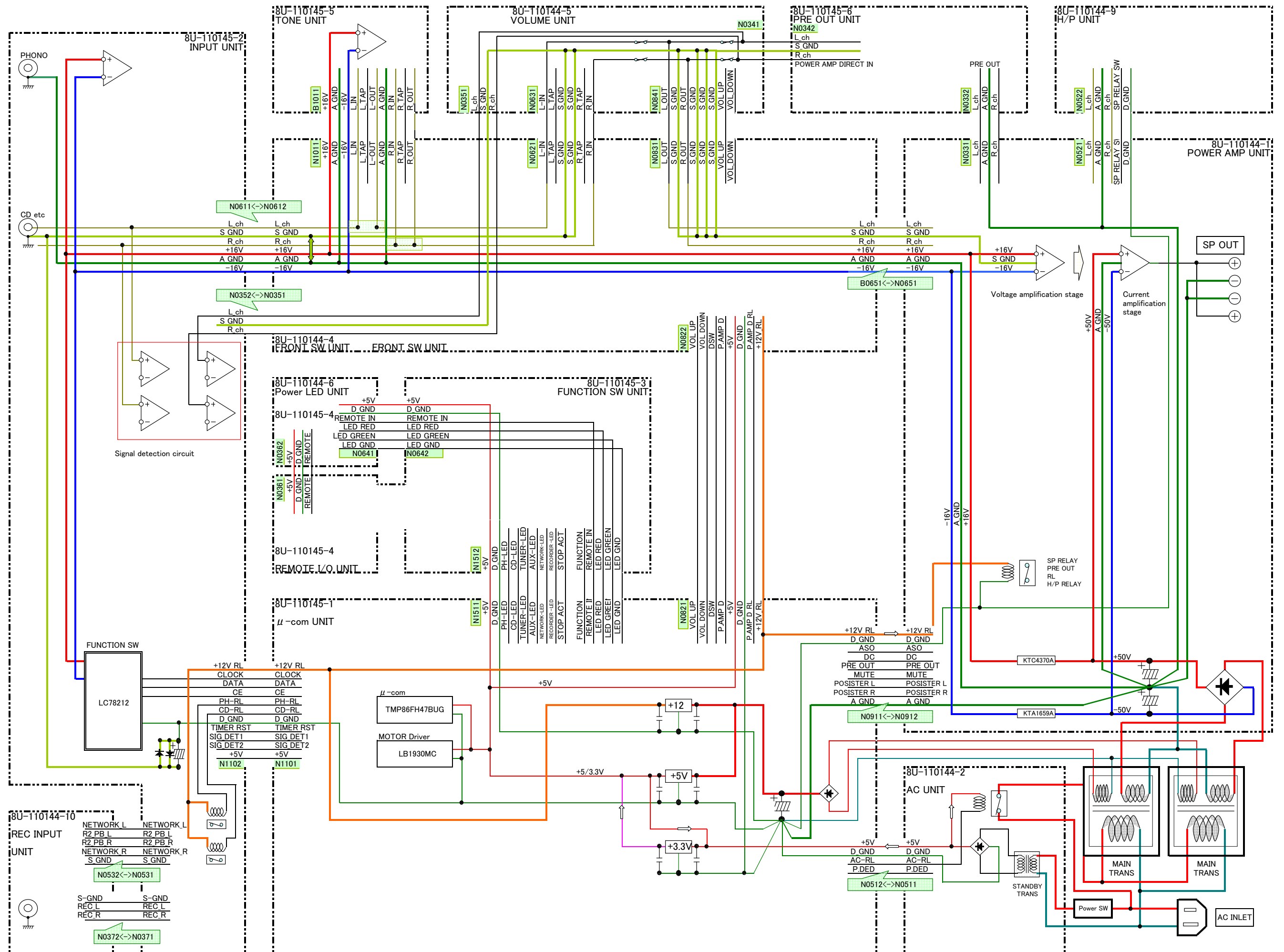
LEVEL DIAGRAM



POWER DIAGRAM



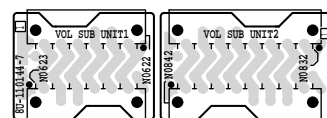
WIRING DIAGRAM



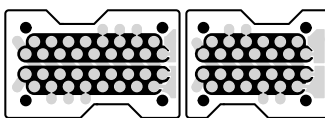
PRINTED WIRING BOARDS

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

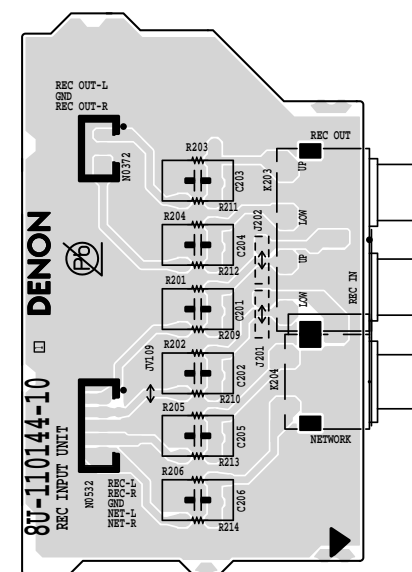
VOL SUB 1_2 (A SIDE)



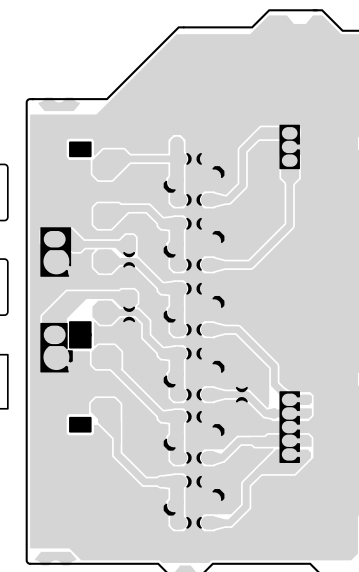
VOL SUB 1_2 (B SIDE)



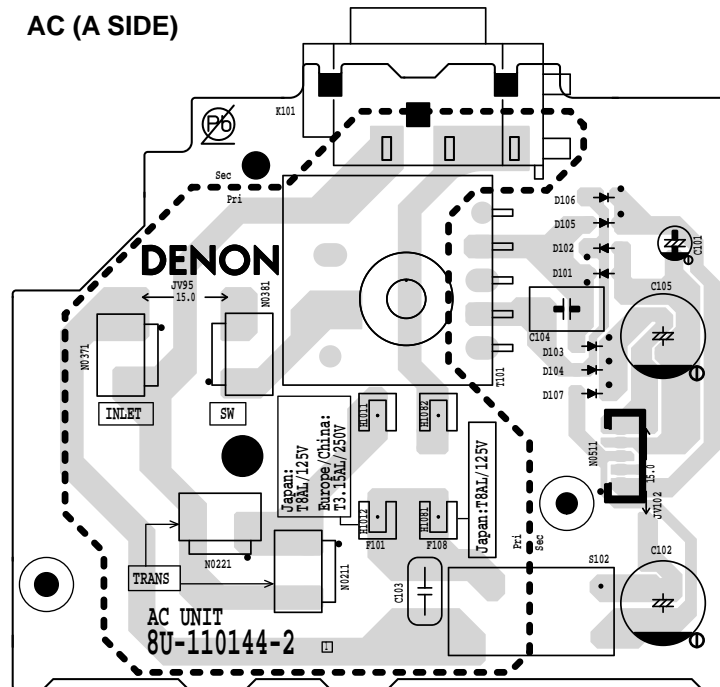
REC INPUT (A SIDE)



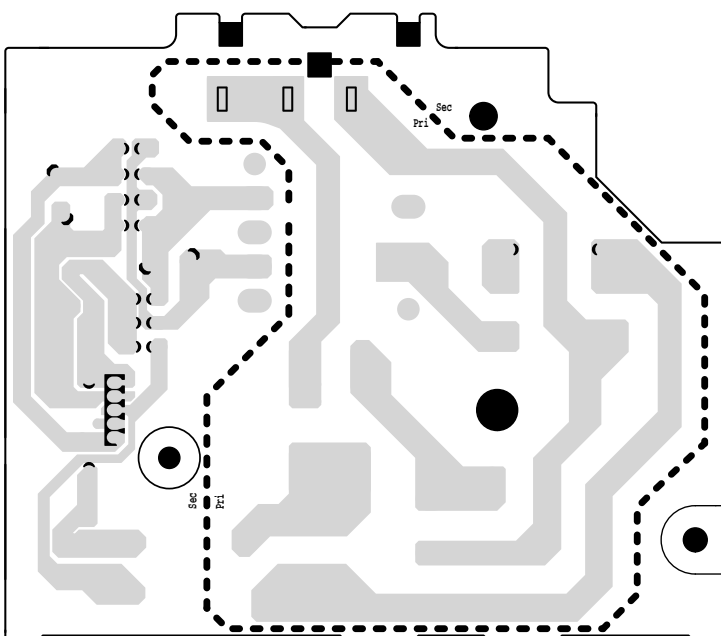
REC INPUT (B SIDE)



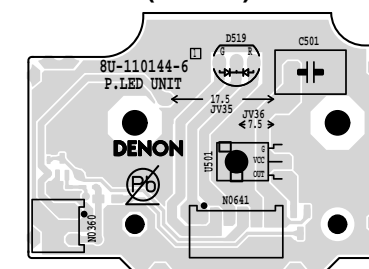
AC (A SIDE)



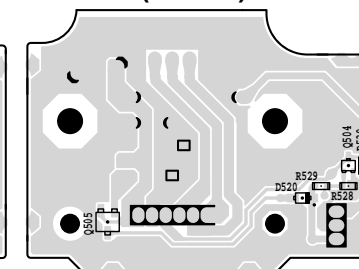
AC (B SIDE)



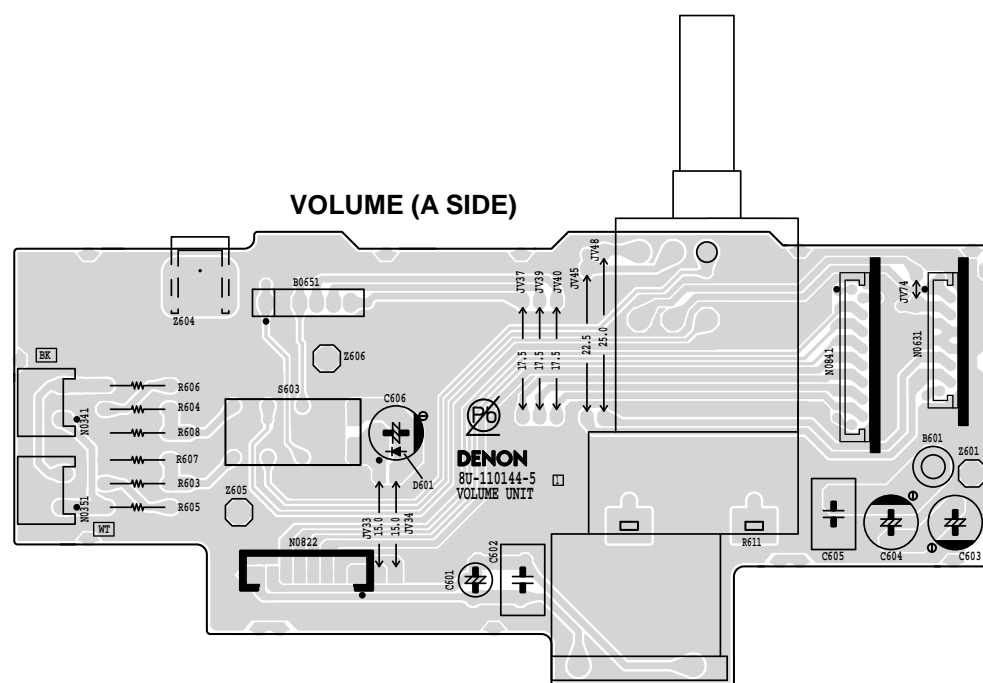
P.LED (A SIDE)



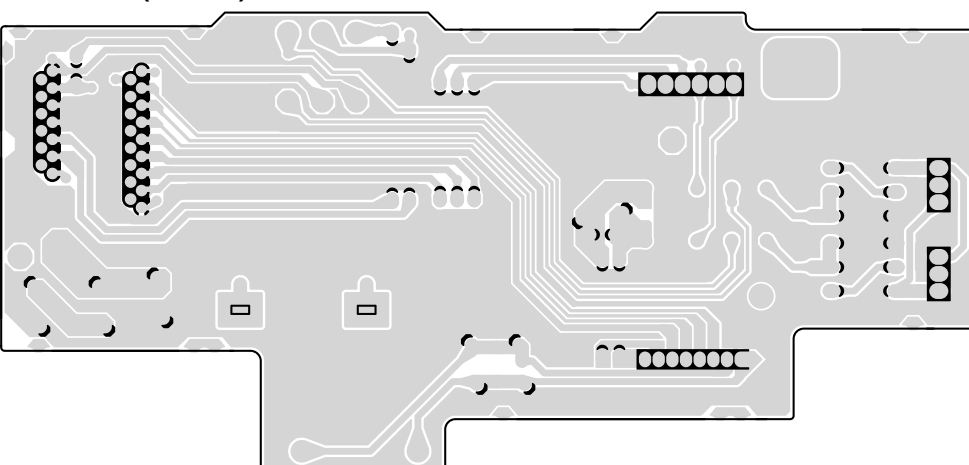
P.LED (B SIDE)



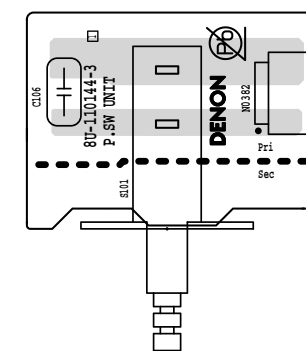
VOLUME (A SIDE)



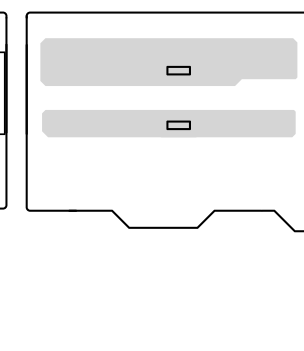
VOLUME (B SIDE)

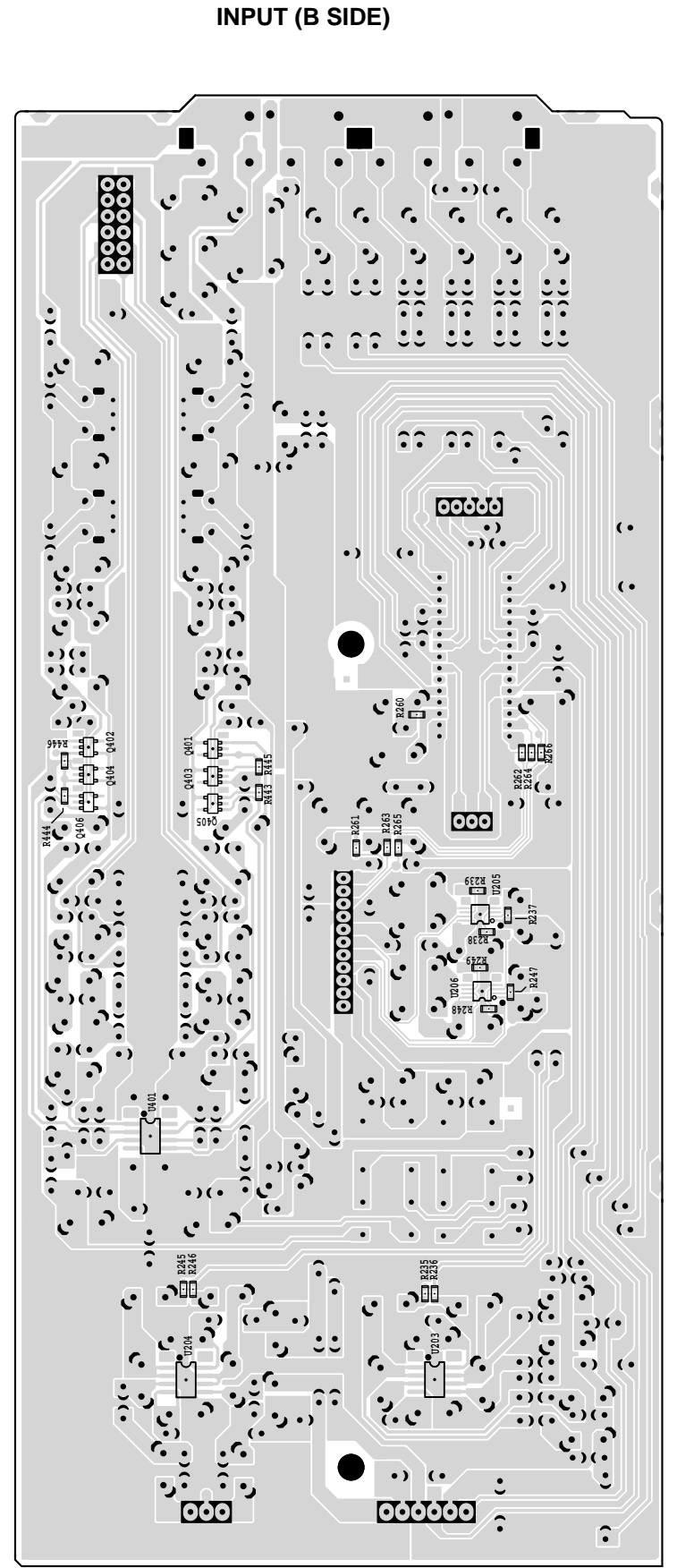
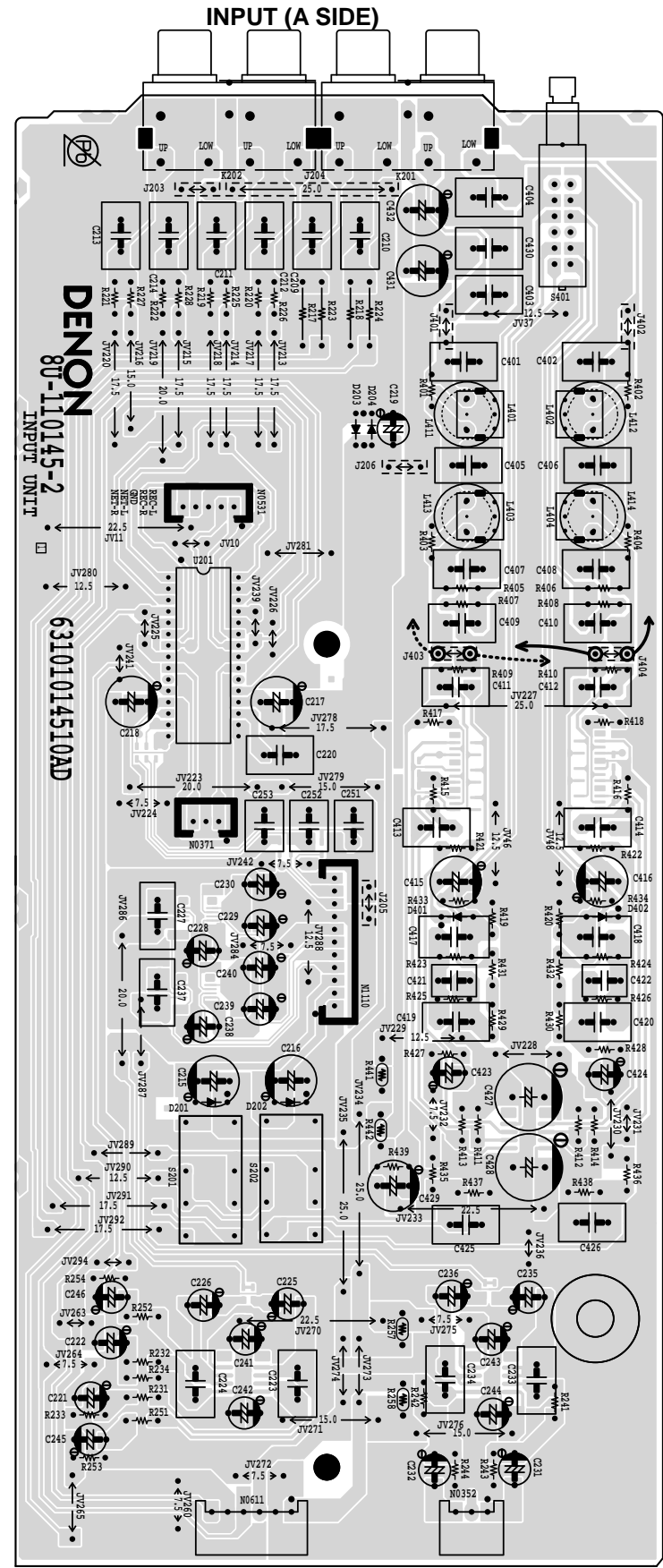
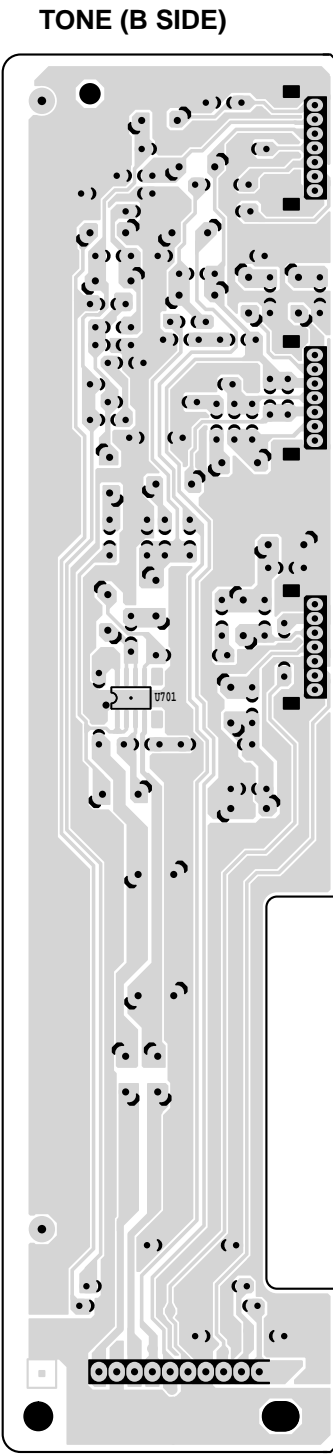
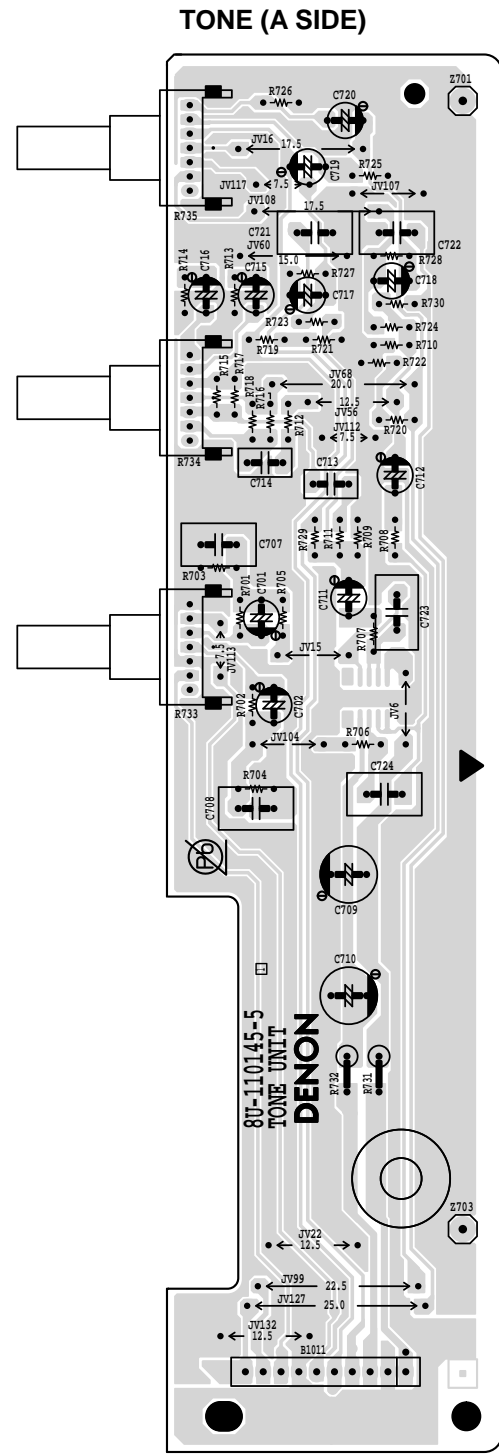


P.SW (A SIDE)

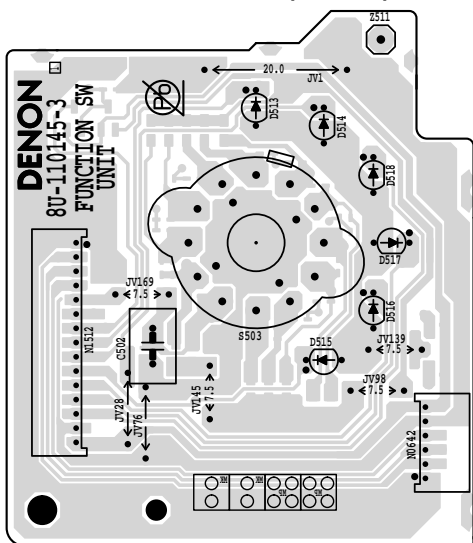


P.SW (B SIDE)

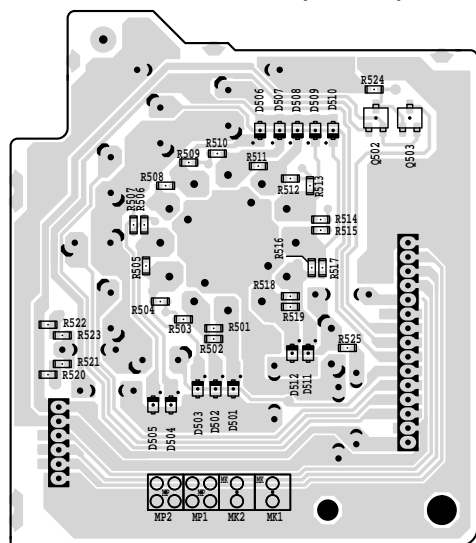




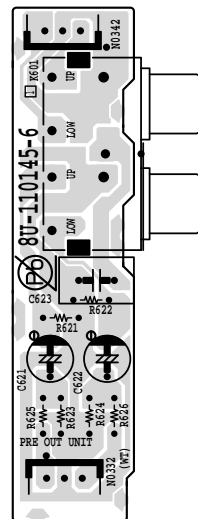
FUNCTION SW (A SIDE)



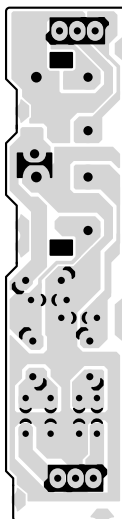
FUNCTION SW (B SIDE)



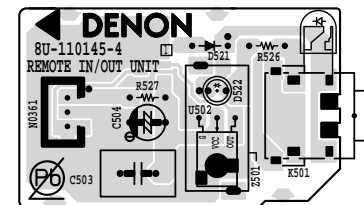
PRE OUT (A SIDE)



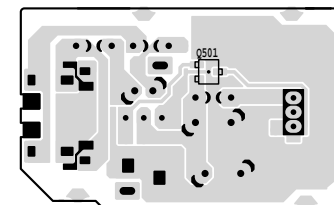
PRE OUT (B SIDE)



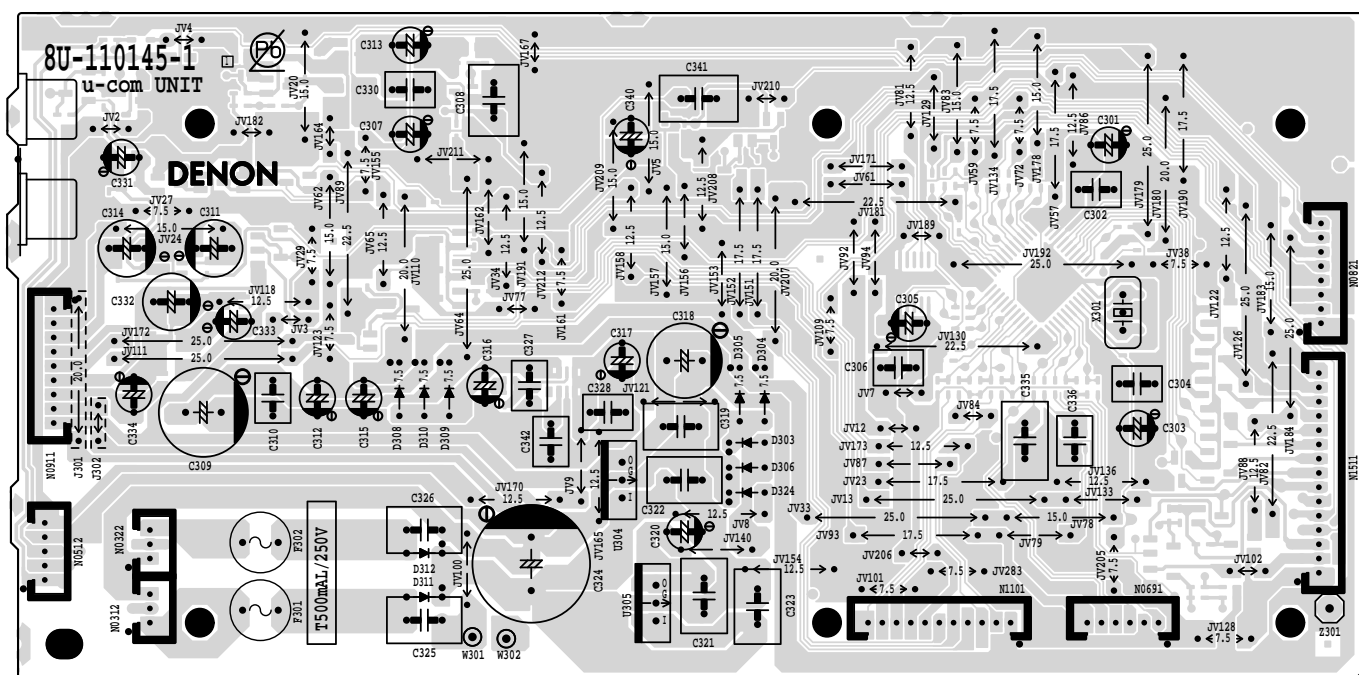
REMOTE IN OUT (A SIDE)



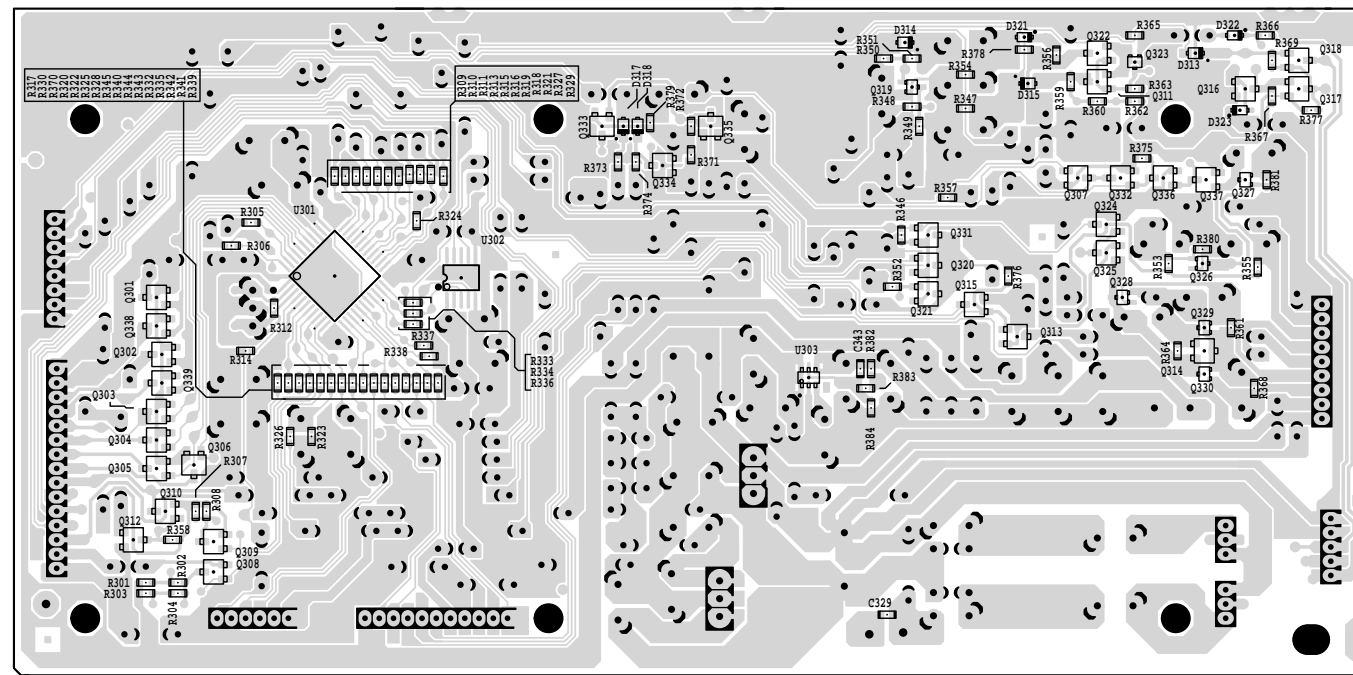
REMOTE IN OUT (B SIDE)



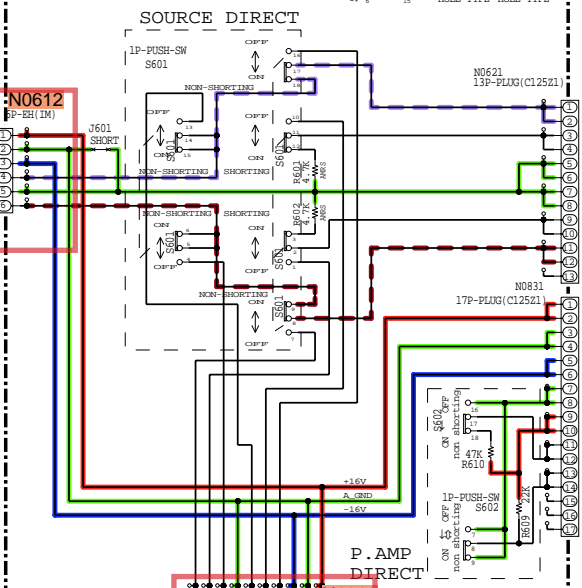
u-com (A SIDE)



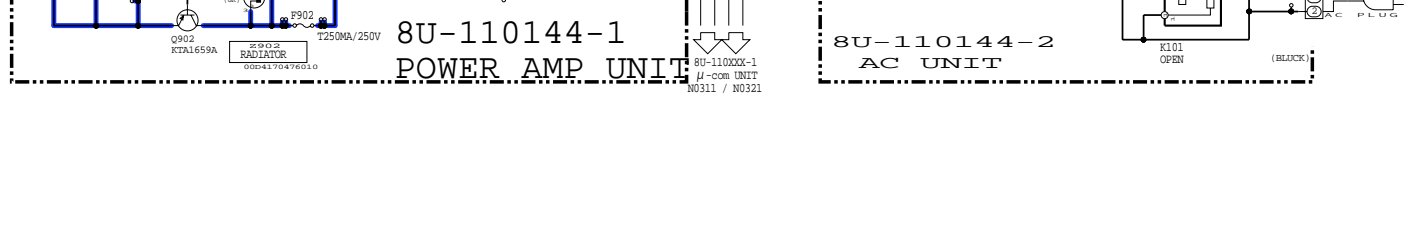
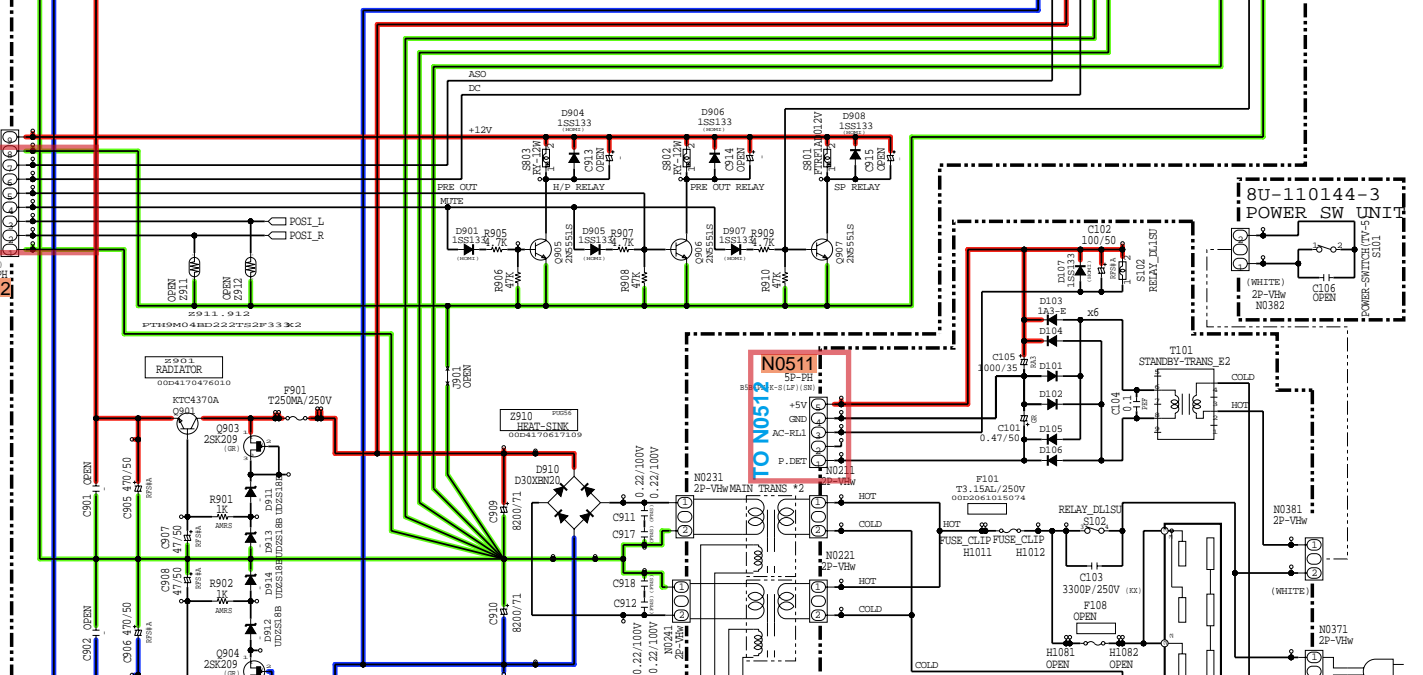
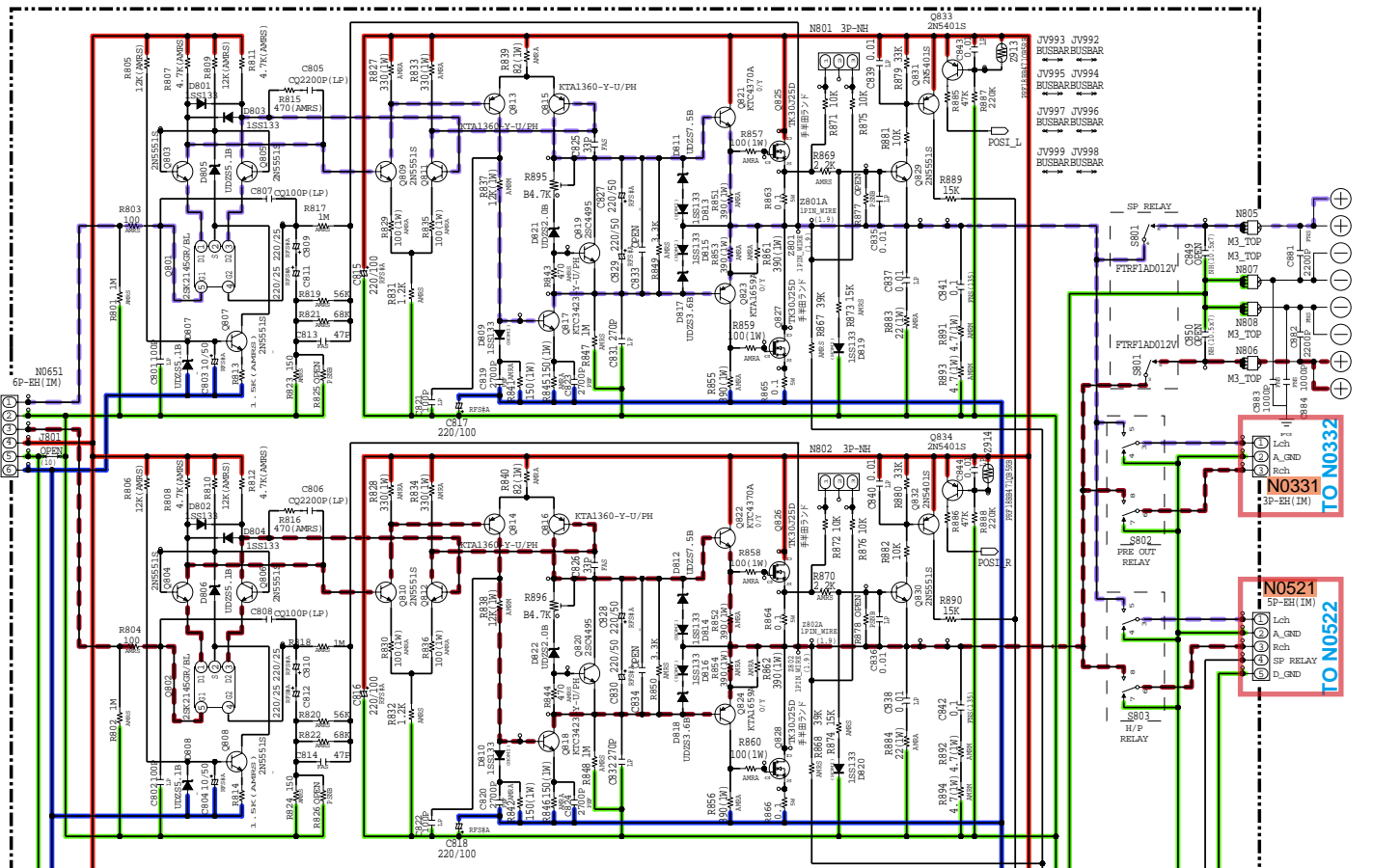
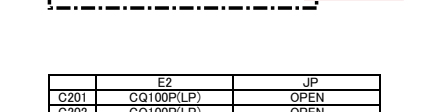
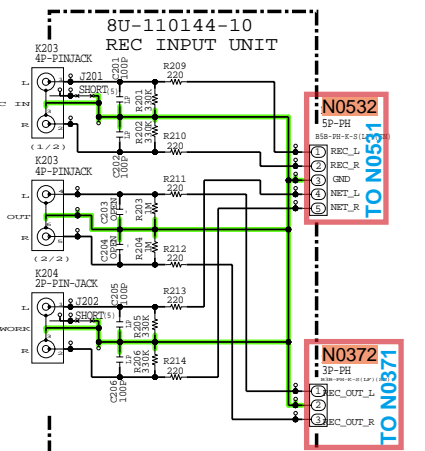
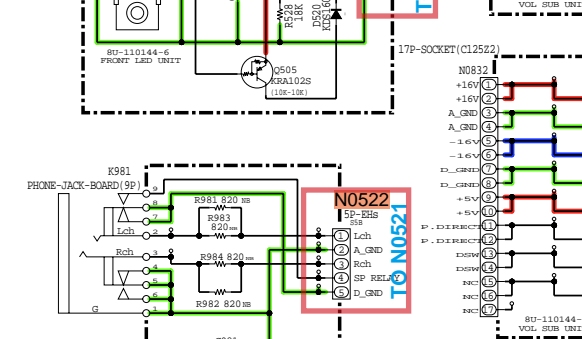
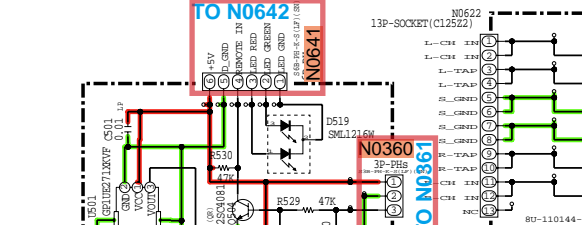
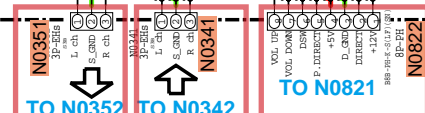
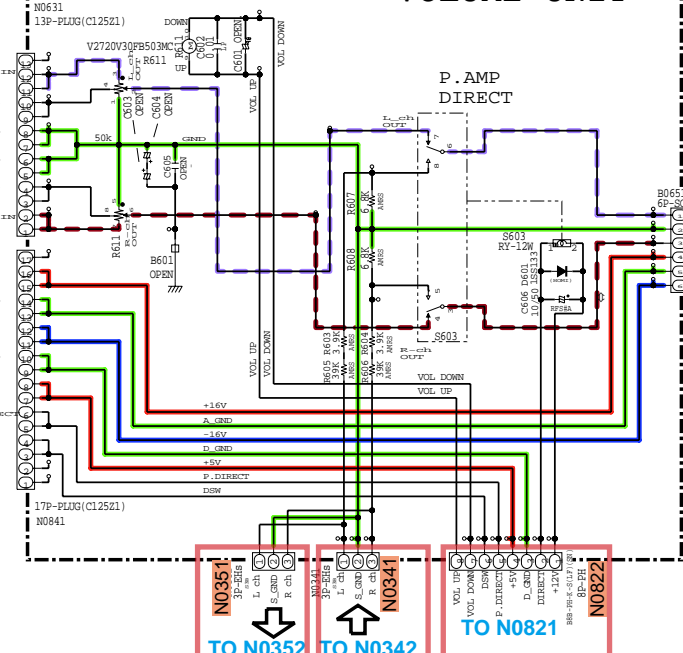
u-com (B SIDE)



8U-110144-4
FRONT SW UNIT



8U-110144-5
VOLUME UNIT

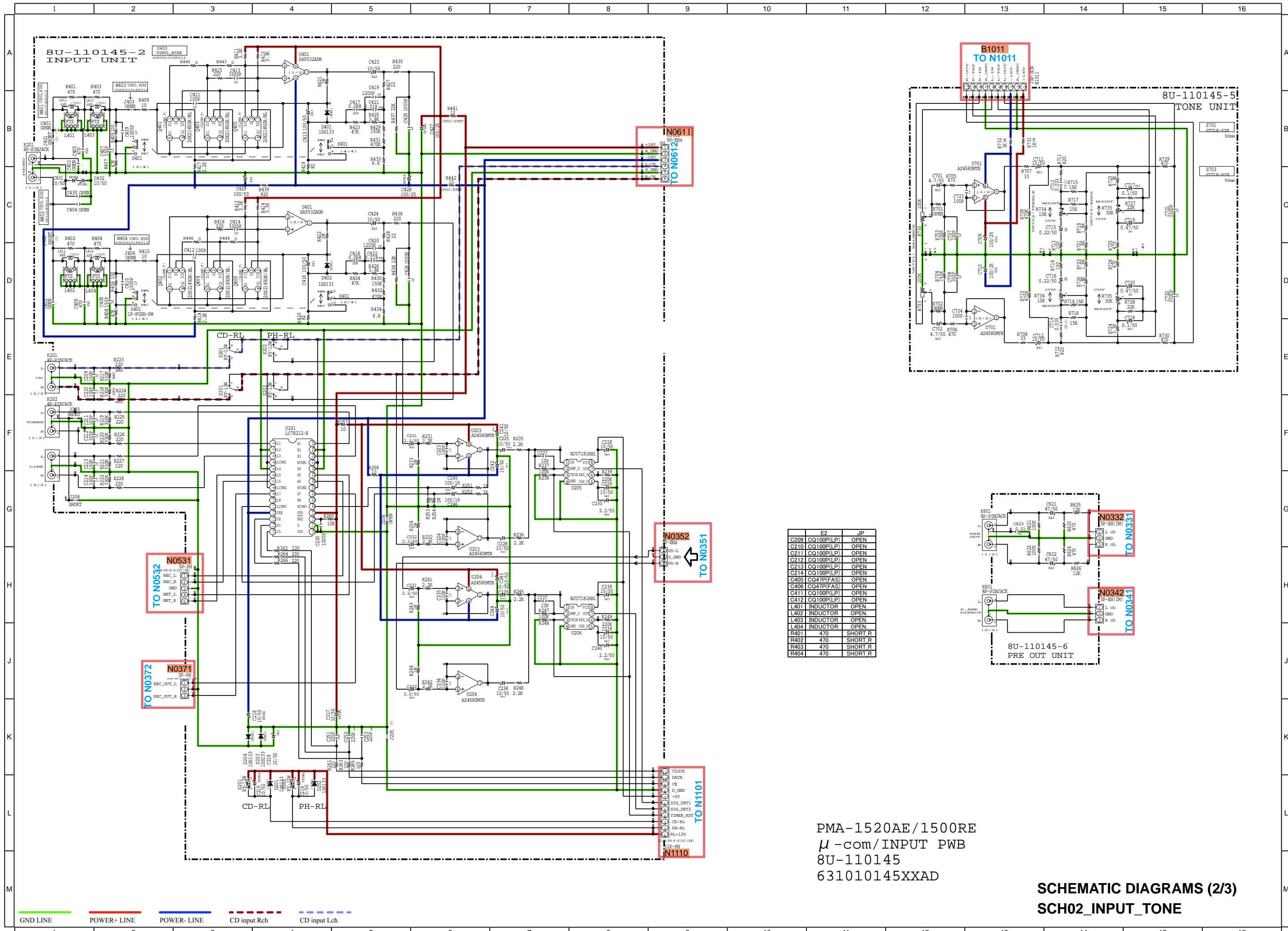


PMA-1520AE/1500RE
POWER AMP / POWER / FRONT SW PWB
8U-110144
631010144XXAD

	E2	JP
C201	CG100P(LP)	OPEN
C202	CG100P(LP)	OPEN
C206	CG100P(LP)	OPEN
C208	CG100P(LP)	OPEN
F101	3.15A/250V	T8AL/125V
F108	OPEN	T8AL/125V
H1081	OPEN	FUSE CLIP
H1082	OPEN	FUSE CLIP
K101	OPEN	AC-OUTLET-110V(3P)
T101	STANDBY-TRANS E2	STANDBY-TRANS J

GND LINE POWER+ LINE POWER- LINE CD input Rch CD input Lch

SCHEMATIC DIAGRAMS (1/3)
SCH01_AMP_POWER_FRONT

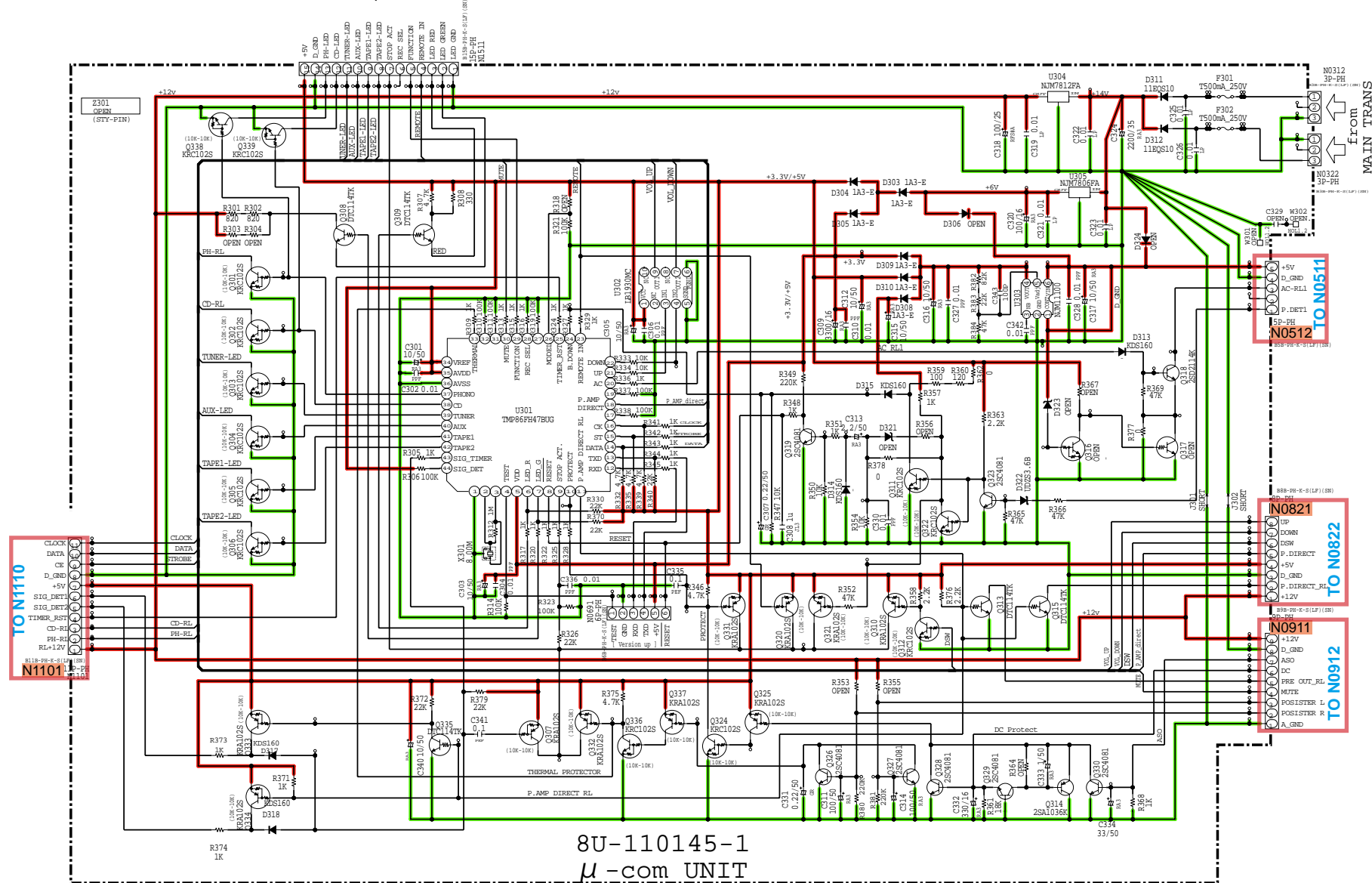
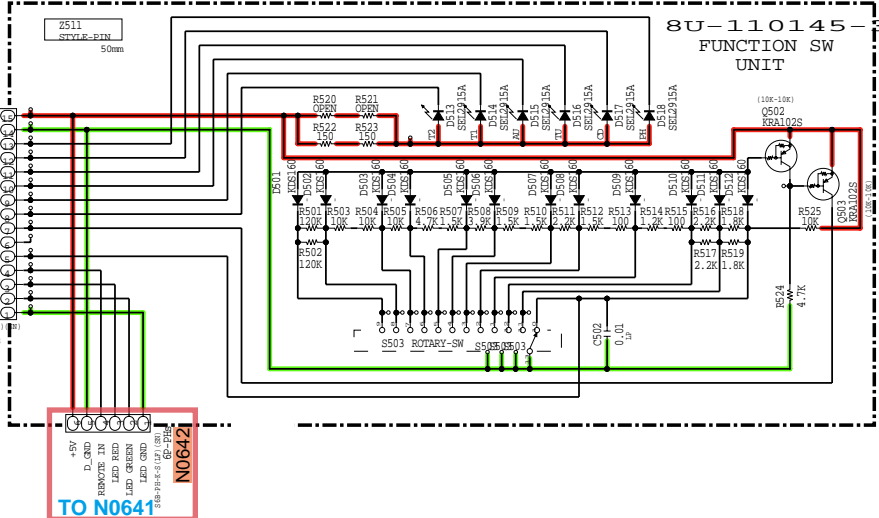
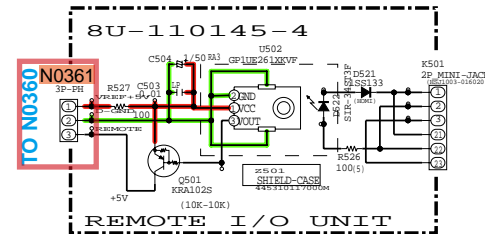


	E2	JP
C205	CQ100P(LP)	OPEN
C210	CQ100P(LP)	OPEN
C211	CQ100P(LP)	OPEN
C212	CQ100P(LP)	OPEN
C213	CQ100P(LP)	OPEN
C214	CQ100P(LP)	OPEN
C405	CQ47P(FAS)	OPEN
C406	CQ47P(FAS)	OPEN
C411	CQ100P(LP)	OPEN
C412	CQ100P(LP)	OPEN
L401	INDUCTOR	OPEN
L402	INDUCTOR	OPEN
L403	INDUCTOR	OPEN
L404	INDUCTOR	OPEN
R401	470	SHORT R
R402	470	SHORT R
R403	470	SHORT R
R404	470	SHORT R

PMA-1520AE/1500RE
 μ-com/INPUT PWB
 8U-110145
 631010145XXAD

SCHEMATIC DIAGRAMS (2/3)
SCH02_INPUT_TONE

— GND LINE
— POWER+ LINE
— POWER- LINE
--- CD input Rch
--- CD input Lch

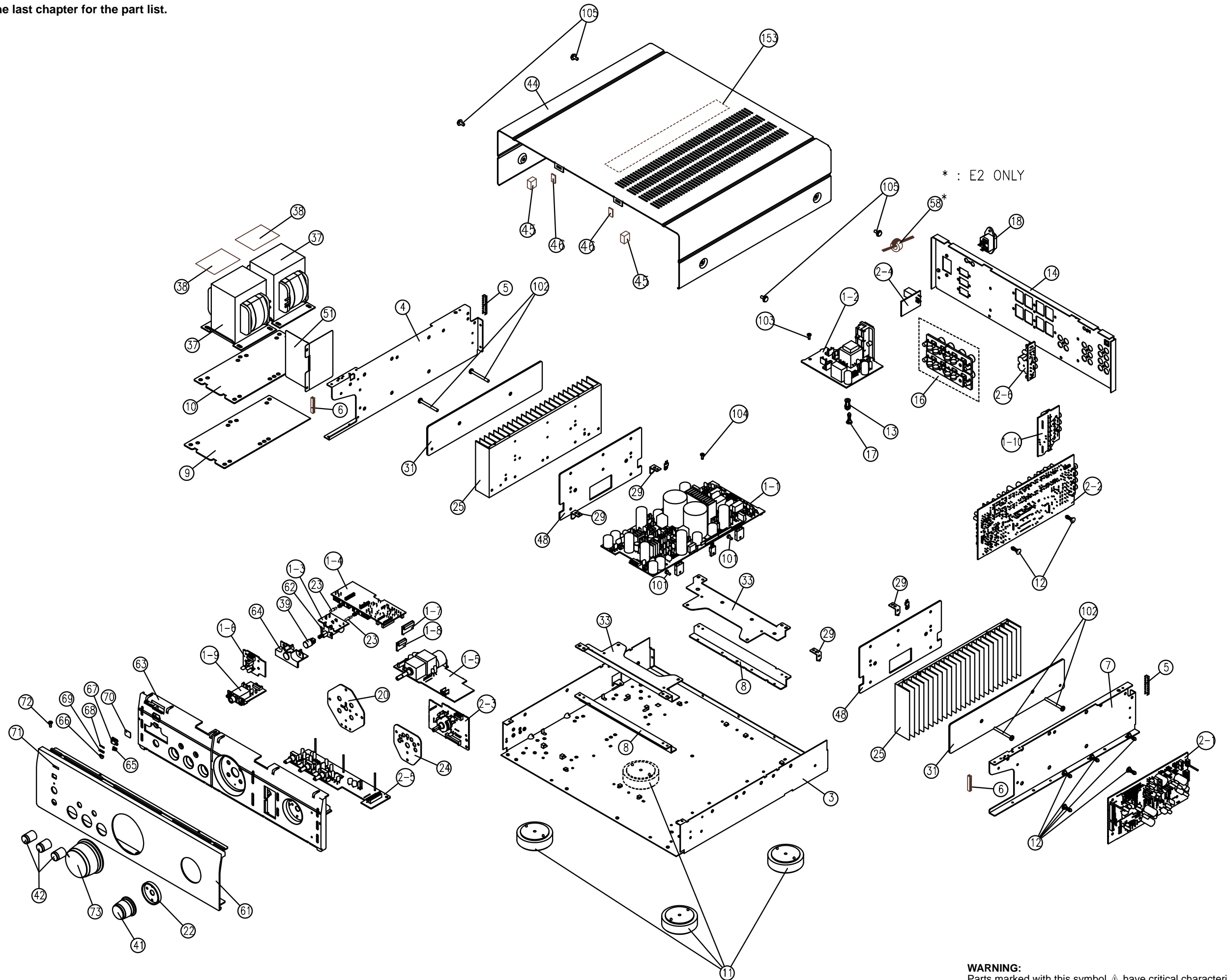


D323	OPEN	UDZS12B
Q316	OPEN	KRC102S
Q317	OPEN	DTC323TK
R367	OPEN R	1K
R377	0	OPEN R

SCH03_U-COM_FUNCTION

EXPLODED VIEW

Please refer to the last chapter for the part list.



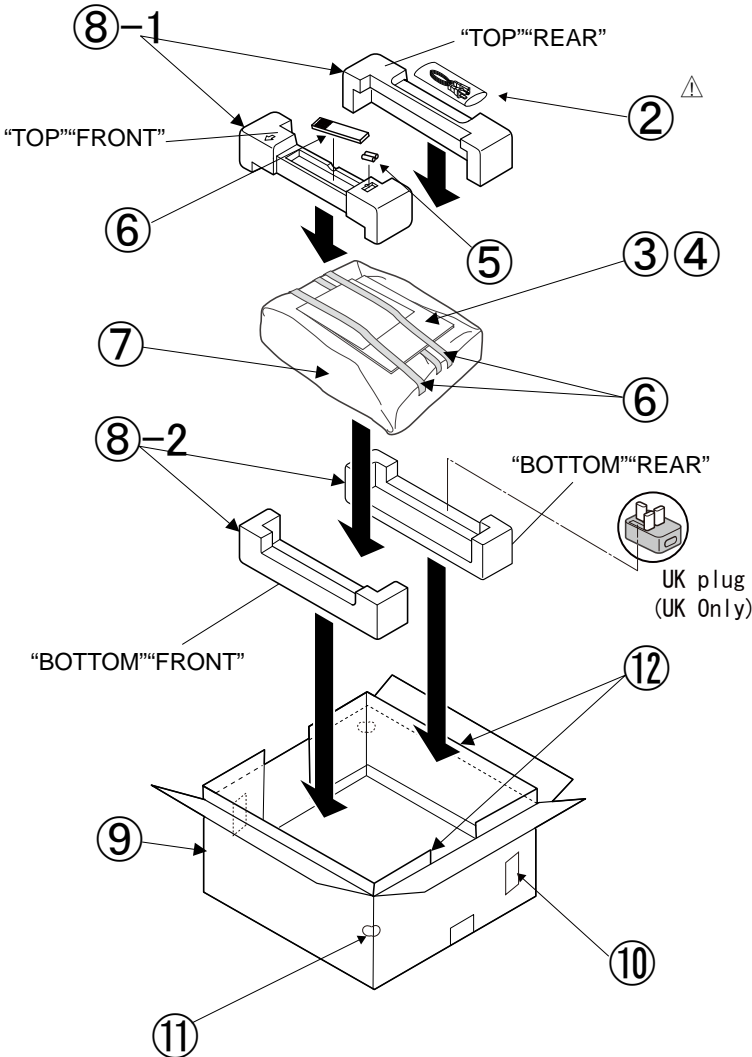
WARNING:
Parts marked with this symbol Δ have critical characteristics.
Use ONLY replacement parts recommended by the manufacturer.

Personal notes:

Personal notes:

PACKING VIEW

Please refer to the last chapter for the part list. ⚠

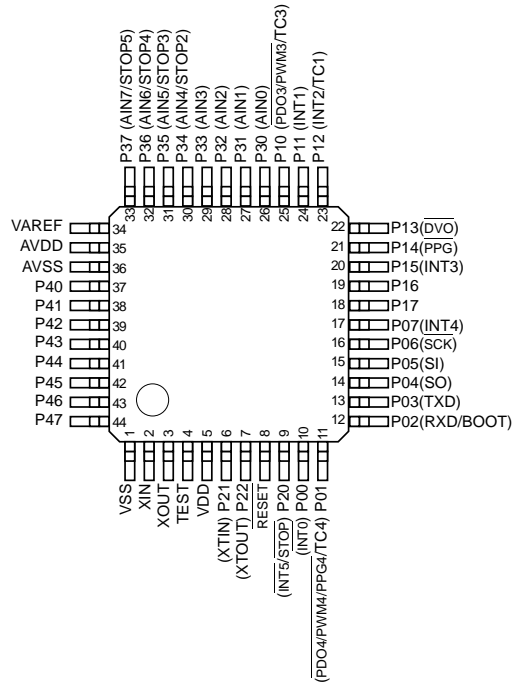


SEMICONDUCTORS

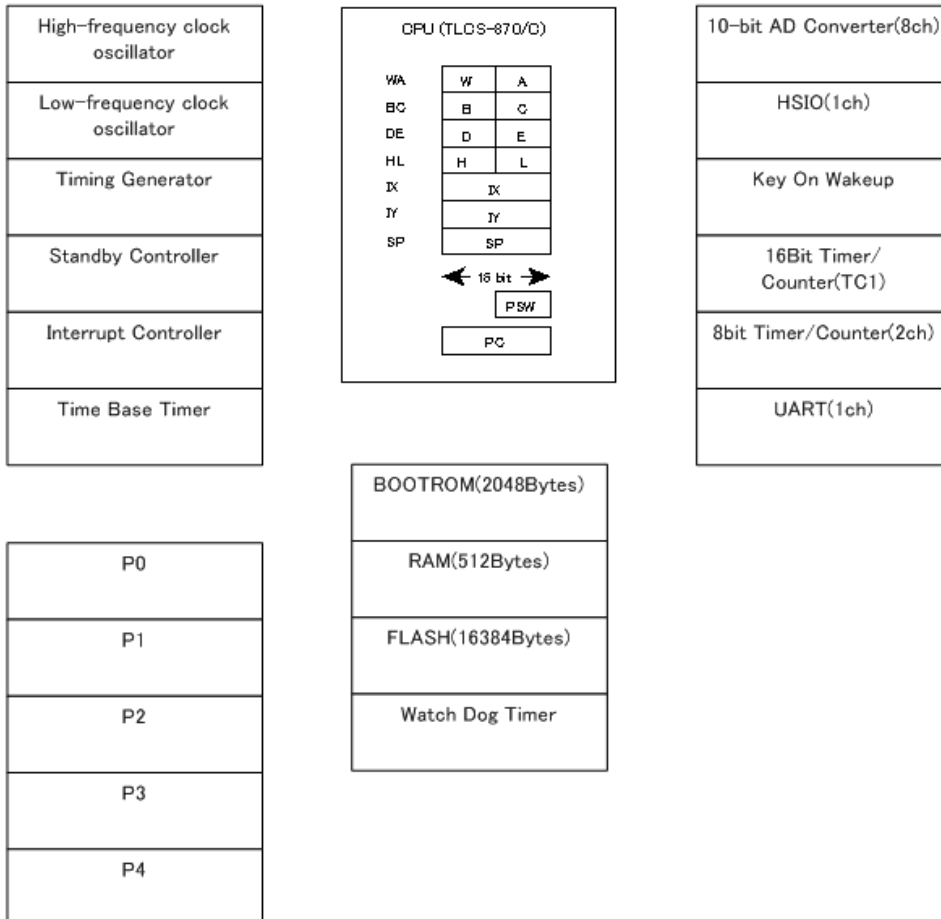
Only major semiconductors are shown, general semiconductors etc. are omitted to list.
 The semiconductor which described a detailed drawing in a schematic diagram are omitted to list.

1. IC's

TMP86FH47BUG (8U-110145 : U301)



TMP86FH47BUG Block Diagram



TMP86FH47BUG Terminal Functions

pin	port	I/O	function	active	normal
1	VSS		to GND		
2	XIN	I	x'tal		
3	XOUT	O	x'tal		
4	TEST		to VSS/VDD		
5	VDD		to 3.3v		
6	P21(XTIN)	O	LED R	H	L
7	P22(XTOUT)	O	LED G	H	L
8	REST	I	reset		
9	P20(STOP/INT5)	I	Stop mode cancellation	HIGH eddge	L
10	P00(INT0)	I	ASO/DC protector	LOW eddge	H
11	P01(TC4)	O	P direct output	H	L
12	P02(RXD)	I	RXD(prom)	L	H
13	P03(TXD)	O	TXD(prom)	L	H
14	P04(SO)	O	analog sw data	H	L
15	P05(SI)	O	analog sw strobe	H	L
16	P06(SCK)	O	analog sw clock	H	L
17	P07(INT4)	O	source direct output	H	L
18	P17	I	P direct input	L	L
19	P16	I	source direct input	L	L
20	P15(INT3)	O	ac power relay	H	L
21	P14(PPG)	O	volume up	H	L
22	P13(DVO)	O	volume down	H	L
23	P12(INT2)	I	remocon input	L	H
24	P11(INT1)	I	Power off (power failure)	H	L
25	P10(TC3)	O	timer reset	L	H
26	P30(AIN0)	I	Model switch	AD	AD
27	P31(AIN1)	I	sp output A/B	AD	AD
28	P32(AIN2)	I	NC	AD	AD
29	P33(AIN3)	I	function A	eddge/AD	
30	P34(AIN4/STOP2)	O	head phone/muting	H	L
31	P35(AIN5/STOP3)	O	sp output A	H	L
32	P36(AIN6/STOP4)	O	sp output B	H	L
33	P37(AIN7/STOP5)	I	THERMAL protector	LOW eddge	H
34	VAREF		to VDD		
35	AVDD		to VDD		
36	AVSS		to VSS		
37	P40	O	phono LED/relay drive	H	L
38	P41	O	cd LED/relay drive	H	L
39	P42	O	tuner LED	H	L
40	P43	O	AUX LED	H	L
41	P44	O	NETWORK LED	H	L
42	P45	O	Recorder LED	H	L
43	P46	I	SIG. Timer	L	H
44	P47	I	NC	L	H

POWER AMP PCB ASS'Y

NOTE: The symbols in the column Remarks indicate the following destinations.

E3 : U.S.A. & Canada model E2 : Europe model E1C : China model E1 : Asia model JP : PMA1500RE(Japan model)
BK : Black model SP : Premium Silver model

REF No.	Part No.	Part Name	Remarks	Q'ty	New	Ver
SEMICONDUCTORS GROUP						
D0101-0106	00MHD20002711	1A3 1A/200V		6		
D0107	20105001130AS	1SS133(HOMI)		1		
D0519	00D3939645009	SML1216W(D)		1		
D0520	00D2760794900	KDS160-RTK/P		1		
D0601	20105001130AS	1SS133(HOMI)		1		
D0801-0804	20105001130AS	1SS133(HOMI)		4		
D0805-0808	00D2760683930	UDZS5.1B-TE17 +C		4		
D0809,0810	20105001130AS	1SS133(HOMI)		2		
D0811,0812	00D2760683927	UDZS7.5B-TE17 +C		2		
D0813-0816	20105001130AS	1SS133(HOMI)		4		
D0817,0818	00D2760683943	UDZS3.6B-TE17		2		
D0819,0820	20105001130AS	1SS133(HOMI)		2		
D0821,0822	00D2760853906	UDZS2.0B-TE17		2		
D0901	20105001130AS	1SS133(HOMI)		1		
D0904-0908	20105001130AS	1SS133(HOMI)		5		
D0910	00MHE20030290	D30XBN20 SBD BRIDGE		1		
D0911-0914	00D2760798922	UDZS18B-TE17		4		
Q0504	00MHX300012A0	2SC4081 (Q R) 2SC4116 (Y GR)		1		
Q0505	00D2690184907	KRA102S-RTK/P (10K-10K)		1		
Q0801,0802	22255001850AS	2SK2145GR/BL(5LDMH.F)		2		
Q0803-0812	00D2730479909	2N5551S-RTK/P		10		
Q0813-0816	21105001420AS	KTA1360-Y-U/PH		4		
Q0817,0818	21305001420AS	KTC3423-Y-U/PH		2		
Q0821,0822	00D2730461001	KTC4370A-Y-U/P		2		
Q0823,0824	00D2710302009	KTA1659A-Y-U/P		2		
Q0829,0830	00D2730479909	2N5551S-RTK/P		2		
Q0831-0834	00D2710318909	2N5401S-RTK/P		4		
Q0901	00D2730461001	KTC4370A-Y-U/P		1		
Q0902	00D2710302009	KTA1659A-Y-U/P		1		
Q0903,0904	00D2750094908	2SK209-GR +C		2		
Q0905-0907	00D2730479909	2N5551S-RTK/P		3		
U0501	00D2623602003	GP1UE271XKV/F		1		
RESISTOR GROUP						
R0201,0202	nsp	RD14B2E334JT(5)		2		
R0203,0204	nsp	RD14B2E105JT(5)		2		
R0205,0206	nsp	RD14B2E334JT(5)		2		
R0209-0214	nsp	RD14B2E221JT(5)		6		
R0528	nsp	RM73B--183JT +1608		1		
R0529,0530	nsp	RM73B--473JT +1608		2		
R0601,0602	00D2412469949	RD14B2E472JT(AMRS)		2		
R0603,0604	00D2412469923	RD14B2E392JT(AMRS)		2		
R0605,0606	00D2412471966	RD14B2E393JT(AMRS)		2		
R0607,0608	00D2412469981	RD14B2E682JT(AMRS)		2		
R0609	nsp	RD14B2E223JT(5)		1		
R0610	nsp	RD14B2E473JT(5)		1		
R0611	675010007006D	V2720V30FB503MC		1		
R0801,0802	00D2412475904	RD14B2E105JT(AMRS)		2		
R0803,0804	00D2412465943	RD14B2E101JT(AMRS)		2		
R0805,0806	00D2412470941	RD14B2E123JT(AMRS)		2		
R0807,0808	00D2412469949	RD14B2E472JT(AMRS)		2		
R0809,0810	00D2412470941	RD14B2E123JT(AMRS)		2		
R0811,0812	00D2412469949	RD14B2E472JT(AMRS)		2		
R0813,0814	00D2412468924	RD14B2E152JT(AMRS)		2		
R0815,0816	00D2412467909	RD14B2E471JT(AMRS)		2		
R0817,0818	00D2412475904	RD14B2E105JT(AMRS)		2		
R0819,0820	00D2412472907	RD14B2E563JT(AMRS)		2		
R0821,0822	00D2412472923	RD14B2E683JT(AMRS)		2		
R0823,0824	00D2412465985	RD14B2E151JT(AMRS)		2		
R0827,0828	00D2442694975	RS14B3A331JNBST AMRA		2		
R0829,0830	00D2442694920	RS14B3A101JNBST AMRA		2		
R0831,0832	00D2412468908	RD14B2E122JT(AMRS)		2		
R0833,0834	00D2442694975	RS14B3A331JNBST AMRA		2		
R0835,0836	00D2442694920	RS14B3A101JNBST AMRA		2		
R0837,0838	00D2442696931	RS14B3A123JNBST AMRA		2		
R0839,0840	00D2442694917	RS14B3A820JNBST AMRA		2		
R0841,0842	00D2442694946	RS14B3A151JNBST AMRA		2		
R0843,0844	00D2412467909	RD14B2E471JT(AMRS)		2		
R0845,0846	00D2442694946	RS14B3A151JNBST AMRA		2		
R0847,0848	00D2412475904	RD14B2E105JT(AMRS)		2		
R0849,0850	00D2412469907	RD14B2E332JT(AMRS)		2		
R0851-0856	00D2442694988	RS14B3A391JNBST AMRA		6		
R0857-0860	00D2442694920	RS14B3A101JNBST AMRA		4		
R0861,0862	00D2442694988	RS14B3A391JNBST AMRA		2		
R0863-0866	00MGO05001056	0.1 OHMS +-5% 5W PBR58		4		
R0867,0868	00D2412471966	RD14B2E393JT(AMRS)		2		
R0869,0870	00D2412468966	RD14B2E222JT(AMRS)		2		
R0871,0872	nsp	RD14B2E103JT(5)		2		
R0873,0874	00D2412470967	RD14B2E153JT(AMRS)		2		
R0875,0876	nsp	RD14B2E103JT(5)		2		
R0879,0880	nsp	RD14B2E333JT(5)		2		
R0881,0882	nsp	RD14B2E103JT(5)		2		
R0883,0884	00D2442693947	RS14B3A220JNBST AMRA		2		
R0885,0886	nsp	RM73B--473JT +1608		2		
R0887,0888	nsp	RM73B--224JT +1608		2		
R0889,0890	nsp	RD14B2E153JT(5)		2		
R0891-0894	00D2442692977	RS14B3A4R7JNBST AMRA		4		
R0895,0896	00MRA0420781	4.7KOHM NVZ6TLTA B472		2		
R0901,0902	00D2412467983	RD14B2E102JT(AMRS)		2		
R0905	nsp	RD14B2E472JT(5)		1		
R0906	nsp	RD14B2E473JT(5)		1		
R0907	nsp	RD14B2E472JT(5)		1		
R0908	nsp	RD14B2E473JT(5)		1		
R0909	nsp	RD14B2E472JT(5)		1		
R0910	nsp	RD14B2E473JT(5)		1		

REF No.	Part No.	Part Name	Remarks	Q'ty	New	Ver
R0981-0984	00D2442051929	RS14B3A821JNBST(S)		4		
CAPACITORS GROUP						
C0101	nsp	CE04W1HR47MT(KR3)		1		
C0102	00D2544703706	CE04W1H101MC(RFS#A)		1		
! C0103	00D2538029726	CK45F2EAC332MC(KX)		1		
C0104	nsp	CQ93M2A104JT(PEF)		1		
C0105	00D2544576713	CE04W1V102MC(RA3)		1		
C0201.0202	133050074500S	CQ93M2E101J(LP)	E2, E1C	2		
C0205.0206	133050074500S	CQ93M2E101J(LP)	E2, E1C	2		
C0501	133050076599S	CQ93M2E103J(LP)		1		
C0602	133050076599S	CQ93M2E103J(LP)		1		
C0606	00D2544702956	CE04W1H100MT(RFS#A)		1		
C0801.0802	133050074500S	CQ93M2E101J(LP)		2		
C0803.0804	00D2544702956	CE04W1H100MT(RFS#A)		2		
C0805.0806	133050076513S	CQ93M2E222J(LP)		2		
C0807.0808	133050074500S	CQ93M2E101J(LP)		2		
C0809-0812	00D2544774719	CE04W1E221MF(RFS#A)		4		
C0813.0814	133050078489S	CQ93P2D470K(FAS)		2		
C0815-0818	00D2544705746	CE04W2A221MC(RFS#A)		4		
C0819.0820	nsp	CQ93M2A272JT(PEF)		2		
C0821.0822	133050074500S	CQ93M2E101J(LP)		2		
C0823.0824	nsp	CQ93M2A272JT(PEF)		2		
C0825.0826	133050078465S	CQ93P2D330K(FAS)		2		
C0827-0830	00D2544703719	CE04W1H221MC(RFS#A)		4		
C0831.0832	133050074555S	CQ93M2E271J(LP)		2		
C0835-0840	133050076599S	CQ93M2E103J(LP)		6		
C0841.0842	00M0F55104586	0.1UF 100V +- 5% FNS100VDC-104J-FL		2		
C0843.0844	133050076599S	CQ93M2E103J(LP)		2		
C0905.0906	00D2544703735	CE04W1H471MC(RFS#A)		2		
C0907.0908	00D2544703777	CE04W1H470MC(RFS#A)		2		
C0909.0910	13405022900AS	8200uF/71V		2		
C0911.0912	00M0F55224586	0.22UF 100V.DC FNS SHINEI		2		
C0917.0918	00M0F55224586	0.22UF 100V.DC FNS SHINEI		2		
OTHER PARTS GROUP						
B0651	nsp	6P EH-SCN CORD		1		
! F0101	00D2061096048	FUSE(218)T3.15AL/250V	E2, E1C	1		Ver.2
! F0101	00D2061052008	FUSE 8A	JP	1		
! F0108	00D2061052008	FUSE 8A	JP	1		
! F0901.0902	00MFS20025201	# T250MA/250V TR5 NO.19372(TP)		2		
H1011.1012	nsp	FUSE CLIP(TAPE)	E2, E1C	2		
H1081.1082	nsp	FUSE CLIP(TAPE)	JP	2		
JV992-999	nsp	COMMON PLATE(30-3)		4		
! K0101	641050009007D	AC OUTLET	JP	1		
K0203	643810028008S	RCA PIN JACK 4P AU MSP-244V4-17 GILT LF		1		
K0204	643810029001S	RCA PIN JACK 2P AU MSP-242V3-12 GILT LF		1		
K0981	643010073204S	PHONE JACK BOARD(9P)		1		
N0211	nsp	CONNECTOR 2P B3P-VH		1		
N0221	nsp	CONNECTOR 2P B3P-VH		1		
N0231	nsp	CONNECTOR 2P B3P-VH		1		
N0241	nsp	CONNECTOR 2P B3P-VH		1		
N0331	nsp	B3B-EH-TS (LF)(SN) 3P RADIAL TAPING		1		
N0341	nsp	S3B-EH		1		
N0351	nsp	S3B-EH		1		
N0360	nsp	S3B-PH-K-S (LF)(SN)		1		
N0371	nsp	CONNECTOR 2P B3P-VH		1		
N0372	nsp	B3B-PH-K-S (LF)(SN)		1		
N0381.0382	nsp	CONNECTOR 2P B3P-VH		2		
N0511	nsp	B5B-PH-K-S (LF)(SN)		1		
N0521	nsp	B5B-EH-TS (LF)(SN) 5P RADIAL TAPING		1		
N0522	nsp	S5B-EH		1		
N0532	nsp	B5B-PH-K-S (LF)(SN)		1		
N0612	nsp	B6B-EH-TS (LF)(SN) 6P RADIAL TAPING JST		1		
N0621	nsp	13P PLUG(C125Z1)		1		
N0622.0623	nsp	13P SOCKET(C125Z2)		2		
N0631	nsp	13P PLUG(C125Z1)		1		
N0641	nsp	S6B-PH-K-S (LF)(SN)		1		
N0651	nsp	B6B-EH-TS (LF)(SN) 6P RADIAL TAPING JST		1		
N0801.0802	nsp	3P NH CONNECTOR BASE		2		
N0805-0808	nsp	M3 SCREW TERMINAL		4		
N0822	nsp	B8B-PH-K-S (LF)(SN)		1		
N0831	nsp	17P PLUG(C125Z1)		1		
N0832	nsp	17P SOCKET(C125Z2)		1		
N0841	nsp	17P PLUG(C125Z1)		1		
N0842	nsp	17P SOCKET(C125Z2)		1		
N0912	nsp	B9B-PH-K-S (LF)(SN)		1		
N1011	nsp	B10B-EH		1		
! S0101	66105000300AS	POWER SWITCH (TV-5)		1		
! S0102	00D2140241002	RELAY DL1SU TV-8		1		
S0601.0602	665010010005D	1P PUSH SWITCH(6-2)		2		
S0603	00D2140127003	RELAY(RY-12W)		1		
S0801	00D2140195006	RELAY FTR-F1		1		
S0802.0803	00D2140127003	RELAY(RY-12W)		2		
! T0101	10101016700AD	STANDBY TRANS E2	E2, E1C	1		
! T0101	10101016600AD	STANDBY TRANS JP	JP	1		
Z0602-0604	nsp	M3 SCREW TERMINAL		3		
Z0801.0802	nsp	1P SIN CON CORD		2		
Z0901.0902	nsp	HEAT SINK		2		
Z0903.0904	nsp	3X8 CBS-B		2		
Z0910	nsp	HEAT SINK(PUG56)		1		
Z0913.0914	252310006506S	PRF18BB471QB5RB		2		
Z0920	nsp	SCREW		1		
★	nsp	CHUKOH TAPE		33		

INPUT UCOM PCB ASS'Y

NOTE: The symbols in the column Remarks indicate the following destinations.

E3 : U.S.A. & Canada model E2 : Europe model E1C : China model E1 : Asia model JP : PMA1500RE(Japan model)
BK : Black model SP : Premium Silver model

REF No.	Part No.	Part Name	Remarks	Q'ty	New	Ver
SEMICONDUCTORS GROUP						
D0201-0204	20105001130AS	1SS133(HOMI)		4		
D0303-0305	00MHD20002711	1A3 1A/200V		3		
D0308-0310	00MHD20002711	1A3 1A/200V		3		
I D0311.0312	00MHD20055101	SHOTTKY 11EQS10 1A 100V		2		
D0313-0315	00D2760794900	KDS160-RTK/P		3		
D0317,0318	00D2760794900	KDS160-RTK/P		2		
D0322	00D2760683943	UDZS3.6B-TE17		1		
D0323	00D2760683969	UDZS12B-TE17 +C	JP	1		
D0401,0402	20105001130AS	1SS133(HOMI)		2		
D0501-0512	00D2760794900	KDS160-RTK/P		12		
D0513-0518	00D3939658915	SEL2915A-TP6		6		
D0521	20105001130AS	1SS133(HOMI)		1		
D0522	00MHI20002210	SIR-34ST3F		1		
Q0301-0306	00D2690192902	KRC102S-RTK/P (10K-10K)		6		
Q0307	00D2690184907	KRA102S-RTK/P (10K-10K)		1		
Q0308,0309	00D2690088906	DTC114TKT96 +C		2		
Q0310	00D2690184907	KRA102S-RTK/P (10K-10K)		1		
Q0311,0312	00D2690192902	KRC102S-RTK/P (10K-10K)		2		
Q0313	00D2690088906	DTC114TKT96 +C		1		
Q0314	00D2710260905	2SA1036KT146(S/R) +C		1		
Q0315	00D2690088906	DTC114TKT96 +C		1		
Q0318	00D2740195901	2SD2114KT196 +C		1		
Q0316	00D2690192902	KRC102S-RTK/P (10K-10K)	JP	1		
Q0317	00D2690066902	DTC323TKT96 +C	JP	1		
Q0319	00MHX300012A0	2SC4081 (Q R) 2SC4116 (Y GR)		1		
Q0320,0321	00D2690184907	KRA102S-RTK/P (10K-10K)		2		
Q0322	00D2690192902	KRC102S-RTK/P (10K-10K)		1		
Q0323	00MHX300012A0	2SC4081 (Q R) 2SC4116 (Y GR)		1		
Q0324	00D2690192902	KRC102S-RTK/P (10K-10K)		1		
Q0325	00D2690184907	KRA102S-RTK/P (10K-10K)		1		
Q0326-0330	00MHX300012A0	2SC4081 (Q R) 2SC4116 (Y GR)		5		
Q0331-0334	00D2690184907	KRA102S-RTK/P (10K-10K)		4		
Q0335	00D2690088906	DTC114TKT96 +C		1		
Q0336	00D2690192902	KRC102S-RTK/P (10K-10K)		1		
Q0337	00D2690184907	KRA102S-RTK/P (10K-10K)		1		
Q0338,0339	00D2690192902	KRC102S-RTK/P (10K-10K)		2		
Q0401-0406	22255001850AS	2SK2145GR/BL(5LDMH.F)		6		
Q0501-0503	00D2690184907	KRA102S-RTK/P (10K-10K)		3		
U0201	00MHC10309030	IC LC78212:CMOS LOGIC SANYO		1		
U0203,0204	00D2631289900	AZ4580MTR-E1		2		
U0205,0206	23581005750AS	NJU7181RB1-TE1		2		
U0301	9R2481015100D	PMA1520AE/PMA1500RE ROM ASSY		1	*	
U0302	23581005850AS	LB1930MC		1		
U0303	23181015150AS	NJM11100F1		1	*	
U0304	00D2630801004	NJM7812FA(S)		1		
U0305	00D2630793002	NJM7806FA(S)		1		
U0401	00D2623555901	SA5532ADR		1		
U0502	00D3991126003	GP1UE261XKVF		1		
U0701	00D2631289900	AZ4580MTR-E1		1		
RESISTOR GROUP						
R0217,0218	00D2412473980	RD14B2E334JT(AMRS)		2		
R0219-0222	nsp	RD14B2E334JT(5)		4		
R0223,0224	00D2412466926	RD14B2E221JT(AMRS)		2		
R0225-0228	nsp	RD14B2E221JT(5)		4		
R0231,0232	nsp	RD14B2E222JT(5)		2		
R0233,0234	nsp	RD14B2E105JT(5)		2		
R0235,0236	nsp	RM73B--222JT +1608		2		
R0237,0238	nsp	RM73B--104JT +1608		2		
R0239	nsp	RM73B--224JT +1608		1		
R0241,0242	nsp	RD14B2E222JT(5)		2		
R0243,0244	nsp	RD14B2E105JT(5)		2		
R0245,0246	nsp	RM73B--222JT +1608		2		
R0247,0248	nsp	RM73B--104JT +1608		2		
R0249	nsp	RM73B--224JT +1608		1		
R0251,0252	nsp	RD14B2E102JT(5)		2		
R0253,0254	nsp	RD14B2E105JT(5)		2		
R0257,0258	00MGG05100160	10 OHM +- 5% 1/6W		2		
R0260	nsp	RM73B--103JT +1608		1		
R0261	nsp	RM73B--101JT +1608		1		
R0262	nsp	RM73B--221JT +1608		1		
R0263	nsp	RM73B--101JT +1608		1		
R0264	nsp	RM73B--221JT +1608		1		
R0265	nsp	RM73B--101JT +1608		1		
R0266	nsp	RM73B--221JT +1608		1		
R0301,0302	nsp	RM73B--821JT +1608		2		
R0305	nsp	RM73B--102JT +1608		1		
R0306	nsp	RM73B--104JT +1608		1		
R0307	nsp	RM73B--472JT (1608) +1608		1		
R0308	nsp	RM73B--331JT (1608) +1608		1		
R0309	nsp	RM73B--102JT +1608		1		
R0310,0311	nsp	RM73B--104JT +1608		2		
R0312	nsp	RM73B--105JT +1608		1		
R0313	nsp	RM73B--102JT +1608		1		
R0314	nsp	RM73B--104JT +1608		1		
R0315-0317	nsp	RM73B--102JT +1608		3		
R0319	nsp	RM73B--104JT +1608		1		
R0320	nsp	RM73B--102JT +1608		1		
R0321	nsp	RM73B--104JT +1608		1		
R0322	nsp	RM73B--102JT +1608		1		
R0323	nsp	RM73B--104JT +1608		1		
R0324,0325	nsp	RM73B--102JT +1608		2		
R0326	nsp	RM73B--223JT +1608		1		
R0327-0329	nsp	RM73B--102JT +1608		3		
R0330	nsp	RM73B--223JT +1608		1		

REF No.	Part No.	Part Name	Remarks	Q'ty	New	Ver
R0332	nsp	RM73B-472JT (1608) +1608		1		
R0333,0334	nsp	RM73B-103JT +1608		2		
R0335	nsp	RM73B-472JT (1608) +1608		1		
R0336	nsp	RM73B-102JT +1608		1		
R0337,0338	nsp	RM73B-104JT +1608		2		
R0339	nsp	RM73B-472JT (1608) +1608		1		
R0340	nsp	RM73B-223JT +1608		1		
R0341-0345	nsp	RM73B-102JT +1608		5		
R0346	nsp	RM73B-472JT (1608) +1608		1		
R0347	nsp	RM73B-103JT +1608		1		
R0348	nsp	RM73B-102JT +1608		1		
R0349	nsp	RM73B-224JT +1608		1		
R0350	nsp	RM73B-103JT +1608		1		
R0351	nsp	RM73B-102JT +1608		1		
R0352	nsp	RM73B-473JT +1608		1		
R0354	nsp	RM73B-103JT +1608		1		
R0357	nsp	RM73B-102JT +1608		1		
R0358	nsp	RM73B-222JT +1608		1		
R0359	nsp	RM73B-101JT +1608		1		
R0360	nsp	RM73B-121JT +1608		1		
R0361	nsp	RM73B-183JT +1608		1		
R0362	nsp	RM73B-0R0KT +1608		1		
R0363	nsp	RM73B-222JT +1608		1		
R0365,0366	nsp	RM73B-473JT +1608		2		
R0367	nsp	RM73B-102JT +1608	JP	1		
R0368	nsp	RM73B-102JT +1608		1		
R0369	nsp	RM73B-473JT +1608		1		
R0370	nsp	RM73B-223JT +1608		1		
R0371	nsp	RM73B-102JT +1608		1		
R0372	nsp	RM73B-223JT +1608		1		
R0373,0374	nsp	RM73B-102JT +1608		2		
R0375	nsp	RM73B-472JT (1608) +1608		1		
R0376	nsp	RM73B-222JT +1608		1		
R0377	nsp	RM73B-0R0KT +1608	E2, E1C	1		
R0378	nsp	RM73B-0R0KT +1608		1		
R0379	nsp	RM73B-223JT +1608		1		
R0380,0381	nsp	RM73B-224JT +1608		2		
R0382	nsp	RM73B-823JT +1608		1		
R0383	nsp	RM73B-223JT +1608		1		
R0384	nsp	RM73B-473JT +1608		1		
R0401-0404	nsp	RD14B2E471JT(5)	E2, E1C	4		
R0405,0406	nsp	RD14B2E101JT(5)		2		
R0407,0408	nsp	RD14B2E473JT(5)		2		
R0409,0410	nsp	RD14B2E100JT(5)		2		
R0411-0414	nsp	RD14B2E332JT(5)		4		
R0415,0416	nsp	RD14B2E221JT(5)		2		
R0417,0418	nsp	RD14B2E222JT(5)		2		
R0419,0420	nsp	RD14B2E820JT(5)		2		
R0421,0422	nsp	RD14B2E105JT(5)		2		
R0423,0424	nsp	RD14B2E473JT(5)		2		
R0425,0426	nsp	RD14B2E392JT(5)		2		
R0427,0428	nsp	RD14B2E220JT(5)		2		
R0429,0430	nsp	RD14B2E154JT(5)		2		
R0431,0432	nsp	RD14B2E474JT(5)		2		
R0433,0434	nsp	RD14B2E6R8JT(5)		2		
R0435,0436	nsp	RD14B2E221JT(5)		2		
R0437,0438	nsp	RD14B2E223JT(5)		2		
R0439	nsp	RD14B2E821JT(5)		1		
R0441,0442	00MGG05100160	10 OHM +- 5% 1/6W		2		
R0443-0446	nsp	RM73B-0R0KT +1608		4		
R0501,0502	nsp	RM73B-124JT +1608		2		
R0503-0505	nsp	RM73B-103JT +1608		3		
R0506	nsp	RM73B-472JT (1608) +1608		1		
R0507	nsp	RM73B-152JT +1608		1		
R0508	nsp	RM73B-392JT +1608		1		
R0509,0510	nsp	RM73B-152JT +1608		2		
R0511	nsp	RM73B-222JT +1608		1		
R0512	nsp	RM73B-152JT +1608		1		
R0513	nsp	RM73B-101JT +1608		1		
R0514	nsp	RM73B-122JT +1608		1		
R0515	nsp	RM73B-101JT +1608		1		
R0516,0517	nsp	RM73B-222JT +1608		2		
R0518,0519	nsp	RM73B-182JT +1608		2		
R0522,0523	nsp	RM73B-151JT +1608		2		
R0524	nsp	RM73B-472JT (1608) +1608		1		
R0525	nsp	RM73B-103JT +1608		1		
R0526,0527	nsp	RD14B2E101JT(5)		2		
R0621,0622	nsp	RD14B2E104JT(5)		2		
R0623,0624	nsp	RD14B2E471JT(5)		2		
R0625,0626	nsp	RD14B2E123JT(5)		2		
R0703,0704	nsp	RD14B2E154JT(5)		2		
R0705,0706	nsp	RD14B2E471JT(5)		2		
R0707,0708	nsp	RD14B2E330JT(5)		2		
R0709,0710	nsp	RD14B2E474JT(5)		2		
R0711,0712	nsp	RD14B2E821JT(5)		2		
R0713,0714	nsp	RD14B2E101JT(5)		2		
R0715-0718	nsp	RD14B2E153JT(5)		4		
R0719-0722	nsp	RD14B2E182JT(5)		4		
R0723,0724	nsp	RD14B2E332JT(5)		2		
R0725,0726	nsp	RD14B2E471JT(5)		2		
R0727,0728	nsp	RD14B2E223JT(5)		2		
R0729,0730	nsp	RD14B2E471JT(5)		2		
R0731,0732	00D2442051974	RS14B3A102JNBST(S)		2		
R0733	00D2110798103	V14V20FW104K		1		
R0734	00D2110834012	V14V20FA103K		1		
R0735	00D2110834009	V14V20FA303K		1		
CAPACITORS GROUP						
C0209-0214	133050074500S	CQ93M2E101J(LP)	E2, E1C	6		
C0215-0218	00D2544702956	CE04W1H100MT(RFS#A)		4		
C0219	nsp	CE04W1H100MT(RA3)		1		
C0220	133050075527S	CQ93M2E102J(LP)		1		
C0221,0222	nsp	CE04W1H2R2MT(RA3)		2		

REF No.	Part No.	Part Name	Remarks	Q'ty	New	Ver
C0223.0224	133050074500S	CQ93M2E101J(LP)		2		
C0225.0226	nsp	CE04W1H100MT(RA3)		2		
C0227	133050078403S	CQ93P2D100K(FAS)		1		
C0228.0229	nsp	CE04W1H100MT(RA3)		2		
C0230-0232	nsp	CE04W1H2R2MT(RA3)		3		
C0233.0234	133050074500S	CQ93M2E101J(LP)		2		
C0235.0236	nsp	CE04W1H100MT(RA3)		2		
C0237	133050078403S	CQ93P2D100K(FAS)		1		
C0238.0239	nsp	CE04W1H100MT(RA3)		2		
C0240	nsp	CE04W1H2R2MT(RA3)		1		
C0241-0244	nsp	CE04W1H100MT(RA3)		4		
C0245.0246	nsp	CE04W1C101MT(RA3)		2		
C0251-0253	nsp	CQ93M2A221JT(PEF)		3		
C0301	nsp	CE04W1H100MT(RA3)		1		
C0302	nsp	CQ93P2A103JT(PPF)		1		
C0303	nsp	CE04W1H100MT(RA3)		1		
C0304	nsp	CQ93P2A103JT(PPF)		1		
C0305	nsp	CE04W1H100MT(RA3)		1		
C0306	nsp	CQ93P2A103JT(PPF)		1		
C0307	nsp	CE04W1HR22MT(KR3)		1		
C0308	nsp	CF93A1H105JT(JL)		1		
C0309	nsp	CE04W1C332MC(RA3)		1		
C0310	nsp	CQ93P2A103JT(PPF)		1		
C0311	nsp	CE04W1H101MT(RA3)		1		
C0312	nsp	CE04W1H100MT(RA3)		1		
C0313	nsp	CE04W1H2R2MT(RA3)		1		
C0314	nsp	CE04W1H101MT(RA3)		1		
C0315-0317	nsp	CE04W1H100MT(RA3)		3		
C0318	00D2544774706	CE04W1E101MF(RFS#A)		1		
C0319	133050076599S	CQ93M2E103J(LP)		1		
C0320	nsp	CE04W1C101MT(RA3)		1		
C0321-0323	133050076599S	CQ93M2E103J(LP)		3		
C0324	00D2544576700	CE04W1V222MC(RA3)		1		
C0325.0326	133050076599S	CQ93M2E103J(LP)		2		
C0327.0328	nsp	CQ93P2A103JT(PPF)		2		
C0330	nsp	CQ93P2A103JT(PPF)		1		
C0331	nsp	CE04W1HR22MT(KR3)		1		
C0332	nsp	CE04W1C331MT(RA3)		1		
C0333	nsp	CE04W1H010MT(RA3)		1		
C0334	nsp	CE04W1H330MT(RA3)		1		
C0335	nsp	CQ93M2A104JT(PEF)		1		
C0336	nsp	CQ93P2A103JT(PPF)		1		
C0340	nsp	CE04W1H100MT(RA3)		1		
C0341	nsp	CQ93M2A104JT(PEF)		1		
C0342	nsp	CQ93P2A103JT(PPF)		1		
C0343	nsp	CC73CH1H101JT +1608		1		
C0405.0406	133050078489S	CQ93P2D470K(FAS)	E2, E1C	2		
C0407.0408	133050074524S	CQ93M2E151J(LP)		2		
C0409.0410	133050075527S	CQ93M2E102J(LP)		2		
C0411.0412	133050074500S	CQ93M2E101J(LP)	E2, E1C	2		
C0413.0414	133050076537S	CQ93M2E332J(LP)		2		
C0415.0416	nsp	CE04W1H101MT(RA3)		2		
C0417.0418	nsp	CQ93P2A683JT(PPF)		2		
C0419.0420	133050075534S	CQ93M2E122J(LP)		2		
C0421.0422	nsp	CQ93M2A183JT(PEF)		2		
C0423.0424	nsp	CE04W1H100MT(RA3)		2		
C0425.0426	133050075527S	CQ93M2E102J(LP)		2		
C0427.0428	00D2544774706	CE04W1E101MF(RFS#A)		2		
C0429	nsp	CE04W1H101MT(RA3)		1		
C0431.0432	00D2544702956	CE04W1H100MT(RFS#A)		2		
C0502.0503	133050076599S	CQ93M2E103J(LP)		2		
C0504	nsp	CE04W1H010MT(RA3)		1		
C0621.0622	nsp	CE04W1H470MT(RA3)		2		
C0623	133050076599S	CQ93M2E103J(LP)		1		
C0701.0702	nsp	CE04W1H4R7MT(RA3)		2		
C0707.0708	133050074500S	CQ93M2E101J(LP)		2		
C0709.0710	nsp	CE04W1E101MT(R2A)		2		
C0711.0712	nsp	CE04W1H100MT(RA3)		2		
C0713.0714	nsp	CF93A1H333JT(JL)		2		
C0715.0716	nsp	CE04W1HR22MT(KR3)		2		
C0717.0718	nsp	CE04W1HR10MT(KR3)		2		
C0719.0720	nsp	CE04W1HR47MT(KR3)		2		
C0721.0722	133050076537S	CQ93M2E332J(LP)		2		
C0723.0724	133050074500S	CQ93M2E101J(LP)		2		
OTHER PARTS GROUP						
B1011	nsp	10P 160mm EH-SCN		1		
! F0301.0302	00MFS20050201	T500MA/250V TR5 NO.19372(TP)		2		
K0201.0202	643810028008S	RCA PIN JACK 4P AU MSP-244V4-17 GILT LF		2		
K0501	00D2048729008	2P MINI JACK		1		
K0601	643810028008S	RCA PIN JACK 4P AU MSP-244V4-17 GILT LF		1		
L0401-0404	nsp	FTZ CHOKE COIL	E2, E1C	4		
N0312	nsp	B3B-PH-K-S (LF)(SN)		1		
N0322	nsp	B3B-PH-K-S (LF)(SN)		1		
N0332	nsp	B3B-EH-TS (LF)(SN) 3P RADIAL TAPING		1		
N0342	nsp	B3B-EH-TS (LF)(SN) 3P RADIAL TAPING		1		
N0352	nsp	S3B-EH		1		
N0361	nsp	B3B-PH-K-S (LF)(SN)		1		
N0371	nsp	B3B-PH-K-S (LF)(SN)		1		
N0512	nsp	B5B-PH-K-S (LF)(SN)		1		
N0531	nsp	B5B-PH-K-S (LF)(SN)		1		
N0611	nsp	BASE POST 6P S6B-EH NICHATSU		1		
N0642	nsp	S6B-PH-K-S (LF)(SN)		1		
N0691	nsp	B6B-PH-K-S (LF)(SN)		1		
N0821	nsp	B8B-PH-K-S (LF)(SN)		1		
N0911	nsp	B9B-PH-K-S (LF)(SN)		1		
N1101	nsp	B11B-PH-K-S (LF)(SN)		1		
N1110	nsp	B11B-PH-K-S (LF)(SN)		1		
N1511	nsp	B15B-PH-K-S (LF)(SN)		1		
N1512	nsp	S15B-PH-K-S (LF)(SN)		1		
S0201.0202	00D2140127003	RELAY(RY-12W)		2		
S0401	665010011008D	1P PUSH SWITCH(4-2)		1		
S0503	00D2120407002	ROTALY SW.(SRRM-12)		1		

REF No.	Part No.	Part Name	Remarks	Q'ty	New	Ver
X0301	00MFC08004061	CSTS MG 8MHZ TAPING(15PF)		1		
Z0501	nsp	SHIELD CASE FLASHER SR7005 A332		1		
★	nsp	CHUKOH TAPE		33		

EXPLODED

NOTE:The symbols in the column Remarks indicate the following destinations.

E3 : U.S.A. & Canada model E2 : Europe model E1C : China model E1 : Asia model JP : Japan model
BK : Black model SP : Premium Silver model

REF No.	Part No.	Part Name	Remarks	Q'ty	New	Ver
1	nsp	POWER AMP UNIT E2/E1C	E2, E1C	8U-110144A	1	*
1	nsp	POWER AMP UNIT E2/E1C	JP	8U-110144B	1	*
1-1	—	POWER AMP UNIT		8U-110144-1	1	
1-2	—	AC UNIT		8U-110144-2	1	
1-3	—	POWER SW UNIT		8U-110144-3	1	
1-4	—	FRONT SW UNIT		8U-110144-4	1	
1-5	—	VOLUME UNIT		8U-110144-5	1	
1-6	—	POWER LED UNIT		8U-110144-6	1	
1-7	—	VOL SUB UNIT 1		8U-110144-7	1	
1-8	—	VOL SUB UNIT 2		8U-110144-8	1	
1-9	—	H/P UNIT		8U-110144-9	1	
1-10	—	REC INPUT UNIT		8U-110144-10	2	
2	nsp	INPUT UCOM UNIT E2/E1C	E2, E1C	8U-110145A	1	*
2	nsp	INPUT UCOM UNIT JP	JP	8U-110145B	1	*
2-1	—	U-COM UNIT		8U-110145-1	1	
2-2	—	INPUT UNIT		8U-110145-2	1	
2-3	—	FUNCTION SW UNIT		8U-110145-3	1	
2-4	—	REMOTE IN/OUT UNIT		8U-110145-4	1	
2-5	—	TOUR UNIT		8U-110145-5	1	
2-6	—	PRE OUT UNIT		8U-110145-6	1	
3	nsp	MAIN CHASSIS			1	
4	nsp	CENTER CHASSIS (L)			1	
5	nsp	EDGING GEE62FAC 40			2	
6	nsp	EDGING GEE62FAC 140			2	
7	nsp	CENTER BRACKET (R)			1	
8	nsp	SUPPORT BRACKET			2	
9	nsp	TRANS PLATE			1	
10	nsp	TRANS PLATE			1	
11	00D1462088122	FOOT ASSY			4	
12	nsp	P.W.B.HOLDER (H=10)			7	
13	nsp	P.W.B.HOLDER			1	
14	nsp	BACK PANEL(PMA1520AE)	E2		1	
14	nsp	BACK PANEL(PMA1520AEE1C)	E1C		1	
14	nsp	BACK PANEL(PMA1500RE)	JP		1	
16	64601003201AD	8P TERMINAL ASSY			1	*
17	nsp	P.W.B.HOLDER (H=12)			1	
!	00D2033996008	AC INLET (2P)			1	
20	nsp	PLATE (M)			1	
22	00D1431228007	LENS	SP		1	
22	00D1431228010	LENS	BK		1	
23	412510054008D	PUSH KNOB	SP		2	
23	412510054015D	PUSH KNOB	BK		2	
24	nsp	PLATE(F)			1	
25	nsp	POWER RADIATOR			2	
29	nsp	P.W.B BRACKET(A)			4	
31	nsp	PLATE(RD)			2	
33	nsp	RADIATOR BRACKET			2	
!	37	10101019800AD	POWER TRANS E2	E2, E1C	1	*
!	37	10101019900AD	POWER TRANS JP	JP	1	*
!	37	10101019800AD	POWER TRANS E2	E2, E1C	1	*
!	37	10101019900AD	POWER TRANS JP	JP	1	*
38	nsp	TRANS LABEL(E)			2	
39	00D1139303130	POWER KNOB ASSY	SP		1	
39	41101025500AD	POWER KNOB ASSY	BK		1	
41	00D1120969004	KNOB(F) ASSY	SP		1	
41	00D1120969017	KNOB(F) ASSY	BK		1	
42	00D1120796125	KNOB(MARU) ASSY	SP		3	
42	00D1120796138	KNOB MARU ASSY	BK		3	
43	nsp	RUBBER SHEET			3	*
44	403310040021D	TOP COVER SP	SP		1	*
44	403310040038D	TOP COVER BK	BK		1	*
45	nsp	SPACER			2	*
46	nsp	RUBBER SHEET			3	*
48	nsp	CU PLATE			2	
51	nsp	SHIELD PLATE			1	
58	nsp	FERRITE CORE GTFC-25-15-12	E2, E1C		1	
61	40231032911AD	FRONT PANEL PMA1520AEBK	BKE2		1	*
61	40231032912AD	FRONT PANEL PMA1520AESP	SPE2		1	*
61	40231032913AD	FRONT PANEL PMA1520AEE1C	SPE1C		1	*
61	40231032910AD	FRONT PANEL PMA1500RE	JP		1	*
62	432010020004D	HIMELON SHEET			2	
63	44351007420AD	KNOB GUIDE (L)	SP		1	*
63	44351007421AD	KNOB GUIDE (L)BK	BK		1	*
64	44351007320AD	KNOB GUIDE (R)	SP		1	*
64	44351007321AD	KNOB GUIDE (R)BK	BK		1	*
65	00D1430991115	LENS			1	
66	00D1031817106	SPACER(L)			1	
67	00D1430874229	REMOCON WINDOW			1	
68	45151013700AD	RC WINDOW SPACER T1 SPACER T=1.0			1	
69	45151013800AD	RC WINDOW SPACER T2 SPACER T=2.0			1	
70	00D1431231007	FILTER			1	
71	42141002500AD	DENON BADGE			1	
72	0RD4737500044	3X8 CBTS (P)-B			10	
73	00D1120780160	KNOB(M) ASSY	SP		1	*
73	00D1120780173	KNOB(M) ASSY	BK		1	*
★	nsp	INSULATING SHEET			4	
★	nsp	RUBBER SHEET			1	
★	nsp	WASHER			4	
★	nsp	Terminal PHONO			1	
★	nsp	CORD HOLDER (L50)			1	
★	nsp	CORD HOLDER (L76)			4	
★	nsp	UL TUBE (14.3) BK			2	
★	nsp	UL TUBE (12.7) BK			1	
★	13305022340AS	FNS100VDC-222J-TP	E2, E1C		1	
★	13305022340AS	FNS100VDC-222J-TP	E2, E1C		1	

REF No.	Part No.	Part Name	Remarks	Q'ty	New	Ver
★	13305022340AS	FNS100VDC-222J-TP	E2, E1C	1		

REF No.	Part No.	Part Name	Remarks	Q'ty	New	Ver
★	13305022340AS	FNS100VDC-222J-TP	E2, E1C	1		
★	00MOF55102581	1000PF 100V FNS	E2, E1C	1		
★	00MOF55102581	1000PF 100V FNS	E2, E1C	1		
★	00D2730445001	2SC4495		1		
★	00D2730445001	2SC4495		1		
★	22205002200AS	TK30J25D		1	*	
★	22205002200AS	TK30J25D		1	*	
★	22205002200AS	TK30J25D		1	*	
SCREW						
	101	nsp	3X16 CPTS(B) SW W			2
	102	nsp	4X40 CBS			4
	103	nsp	3X20 CBTS (P)-Z			1
	104	nsp	3X6 CPS (SW.W) ZNP			4
	105	nsp	4X8 CBTS(B)-N-3P	SP		4
	105	nsp	4X8 CBTS(B)-B-3P	BK		4
★		nsp	FIXING SCREW			00D4770064107
★		nsp	B.H.TAPPED EJ330106			00M51280310U0
★		nsp	3X8 CBTS (S)-B			ORD4737002021
★		nsp	4X10 CBTS (S)-B			ORD4737007013
★		nsp	4X6 CBTS (S)-B			ORD4737026007
★		nsp	3X8 CBTS (P)-B			ORD4737500044
★		nsp	2.6X6 CFTS(P)-B			ORD4737520008
★		nsp	EARTH SCREW			ORD4770276005
WIRES						
!	★	nsp	3P VH CON.CORD			1
!	★	nsp	3P VH-VH CON CORD			1
★		nsp	5P 500mm PH - PH			1
★		nsp	9P 300mm PH - PH			1
★		nsp	8P 250mm PH - PH			1
★		nsp	15P 150mm PH - PH			1
★		nsp	11P 150mm PH-PH UL1430 AWG26			1
★		nsp	5P PH CONN.CORD			1
★		nsp	3P 125mm PH-PH UL1430 AWG26			1
★		nsp	3P 400mm PH-PH UL2791 AWG28 SHIELD			1
★		nsp	6P 400mm PH - PH			1
★		nsp	3P EH-EH CON. CORD			1
★		nsp	6P EH-EH CON.CORD			1
★		nsp	3P EH-EH CON.CORD			1
★		nsp	3P EH-EH CON.CORD			1
★		nsp	5P EH-EH CON.CORD			1
★		nsp	1P CONTACT ASS			1
★		nsp	1P CONTACT ASS			1
TAPE						
	153	00D1250092003	TOP COVER BEND ASSY BUTYL TAPE(W=50) 310mm			1
	153	00D1250096009	TOP COVER BEND ASSY NITOFロン TAPE(W50) 310mm			1

PACKING

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REF No.	Part No.	Part Name	Remarks	Q'ty	New	Ver
1	nsp	ENVELOPE		1		
3	35201025310AD	INST.MANUAL(CD-ROM. E2)	E2	1	*	4
3	35201028710AD	INST.MANUAL(CD-ROM. E1C)	E1C	1	*	4
3	54111107320AD	INST.MANUAL(JP)	JP	1	*	4
3	54111107400AD	GETTING STARTED (E2)	E2	1	*	2
3	54111107200AD	GETTING STARTED (E1C)	E1C	1	*	2
3	54111105000AD	GETTING STARTED (JP)	JP	1	*	2
4	nsp	SERVICE STATION LIST	JP	1		
4	nsp	SAFETY INSTRUCTIONS (E2)	E2	1		
5	nsp	BATTERY (R03X2) EASTPOWER		1		
6	30701015500AD	RC-1186		1	*	
1	nsp	ENVELOPE	E2	1		
!	2	00MZC01803080	2P AC CORD 10A 250V CLASS2	1		
!	2	00D2062249001	AC CORD (E1C)	1		
!	2	611050028007S	AC CORD 2P(JP)	1		
7	nsp	CABINET SHEET		1		
8-1, 8-2	53361020510AD	CUSHION ASSY		1	*	3
9	53121035821AD	CARTON CASE(PMA1520AE)	E2, E1C	1	*	3
9	53121035820AD	CARTON CASE(PMA1500RE)	JP	1	*	3
10	nsp	CONT.LABEL BASE(D&M)		1		
11	nsp	COLOR LABEL	SPE2, E1C, JP	2		
12	53721003600AD	CARTON SUPPORT		2	*	3