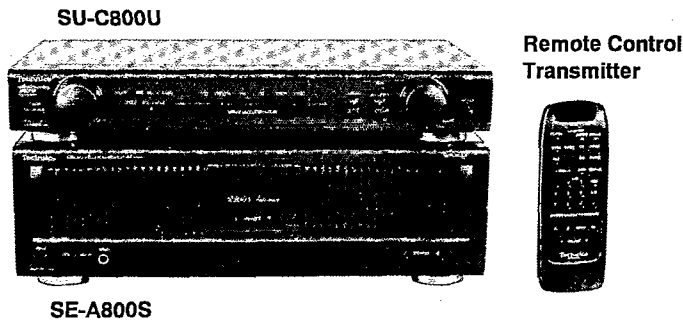


Service Manual

Power Amplifier

Amplifier

SE-A800S



SU-C800U

Remote Control Transmitter

SE-A800S

Colour

(K) : Black

Areas

Suffix for Model No.	Area	Colour
(E)	Europe	(K)
(EB)	Britain	
(EG)	Germany and Italy	

Because of unique interconnecting cables, when a component requires service, send or bring in the entire system.

System: SU-A800D

Control amplifier	SU-C800U
Power amplifier	SE-A800S

Specifications (DIN 45 500)

20 Hz – 20 kHz continuous power output both channels driven	2 × 55 W (8 Ω)
1 kHz continuous power output both channels driven (THD: 1%)	2 × 70 W (8 Ω) 2 × 100 W (4 Ω)
63 Hz – 12.5 kHz continuous power output both channels driven (THD: 0.7%)	2 × 65 W (8 Ω) 2 × 85 W (4 Ω)
Total harmonic distortion rated power at 20 Hz – 20 kHz	0.01% (8 Ω)
Intermodulation distortion (50 Hz: 7 kHz = 4:1, SMPTE)	0.007% (8 Ω)
Residual hum and noise	0.3 mV
Damping factor	70 (8 Ω) 35 (4 Ω)
Headphones output level/impedance	540 mV/330 Ω (Ø 6.3)
Load impedance	
A or B, BI-WIRING	4 Ω – 16 Ω
A and B	8 Ω – 16 Ω
Input sensitivity/impedance	1 V/33 kΩ
S/N (rated power, 4 Ω)	95 dB (110 dB, IHF '66)
Frequency response	5 Hz – 70 kHz (+0, – 3 dB) +0 dB, – 0.5 dB (20 Hz – 20 kHz)

■ GENERAL

Power consumption

230 W

Power supply

For (E) and (EG) areas

50 Hz/60 Hz AC, 230 V

For (EB) area

50 Hz/60 Hz AC, 230 V – 240 V

Dimensions (W × H × D)

430 × 136 × 348 mm

Weight

8.7 kg

Notes:

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

⚠ WARNING

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

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■ Contents

	Page		Page
Before Repair	2	Operation Check and	
Protection Circuitry	2	Main Component Replacement Procedures	10~13
Accessories	2	Schematic Diagram	14~18
Caution for AC Mains Lead	3	Printed Circuit Board Diagram	19~22
Connecting the Audio Components	4	Wiring Connection Diagram	23
Connecting the Speakers and Power Supply	5	Block Diagram	24
Front Panel Controls	6	Replacement Parts List	25~28
Listening to Sound	7, 8	Cabinet Parts Location	29, 30
Recording	9	Packaging	31

■ Before Repair

- (1) Turn off the power supply. Using a 10 Ω, 10 W resistor, connect both ends of power supply capacitors (C701, C702) in order to discharge the voltage.
- (2) Before turning the power supply on, after completion of repair, slowly apply the primary voltage by using a power supply voltage controller to make sure that the consumed current at 50 Hz in NO SIGNAL mode should be shown below with respect to supply voltage 230 V/240 V.

Power supply voltage	AC 230 V	AC 240 V
Consumed current 50 Hz	100 ~ 200 mA	100 ~ 200 mA

■ Protection Circuitry

The protection circuitry may have operated if either of the following conditions is noticed:

- No sound is heard when the power is switched ON.
- Sound stops during a performance.

The function of this circuitry is to prevent circuitry damage if, for example, the positive and negative speaker connection wires are "shorted", or if speaker systems with an impedance less than the indicated rated impedance of this unit are used.

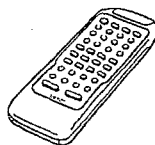
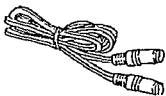
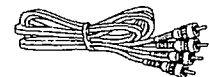
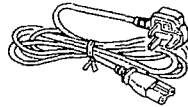
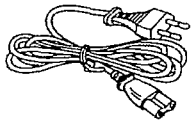
If this occurs, follow the procedure outlined below:

1. Switch OFF the power.
2. Determine the cause of the cause of the problem and correct it.
3. Switch ON the power once again.

Note:
When the protection circuitry functions, the unit will not operate unless the power is first switched OFF and then ON again.

■ Accessories

- AC power supply cord
(E, EG) areas : (RJA0019-2K) 1 (EB) area : (VJA0733) 1
 - Stereo connection cable
(SJP2276) 1
 - Amplifier connection cable
(RJL6D001B10) 1
 - Remote control transmitter
(RAK-SU180WH) 1
 - Batteries
(UM-4, "AAA", R03) 2
- Note:** These are available on sales route.



■ Caution for AC Mains Lead

[(EB) area code model only]

For your safety, please read the following text carefully.

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

A 5-ampere fuse is fitted in this plug.

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

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

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

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

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

CAUTION!

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

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

If in any doubt please consult a qualified electrician.

IMPORTANT

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

Blue: Neutral


Brown: Live

As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

The wire which is coloured BLUE must be connected to the terminal in the plug which is marked with the letter N or coloured BLACK.

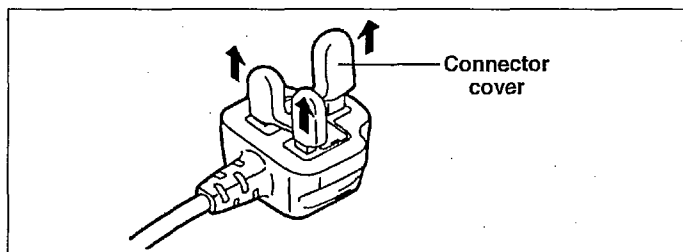
This apparatus was produced to BS 800.

The wire which is coloured BROWN must be connected to the terminal in the plug which is marked with the letter L or coloured RED.

Under no circumstances should either of these wires be connected to the earth terminal of the three pin plug, marked with the letter E or the Earth Symbol .

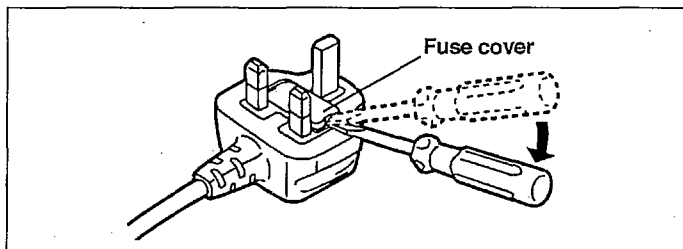
Before use

Removal the connector cover as follows.

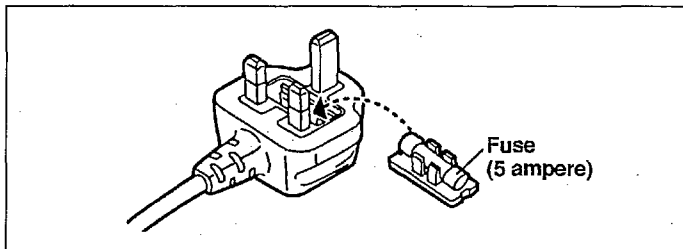


How to replace the fuse

1. Remove the fuse cover with a screwdriver.

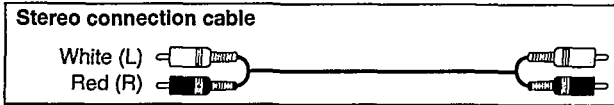


2. Replace the fuse and attach the fuse cover.

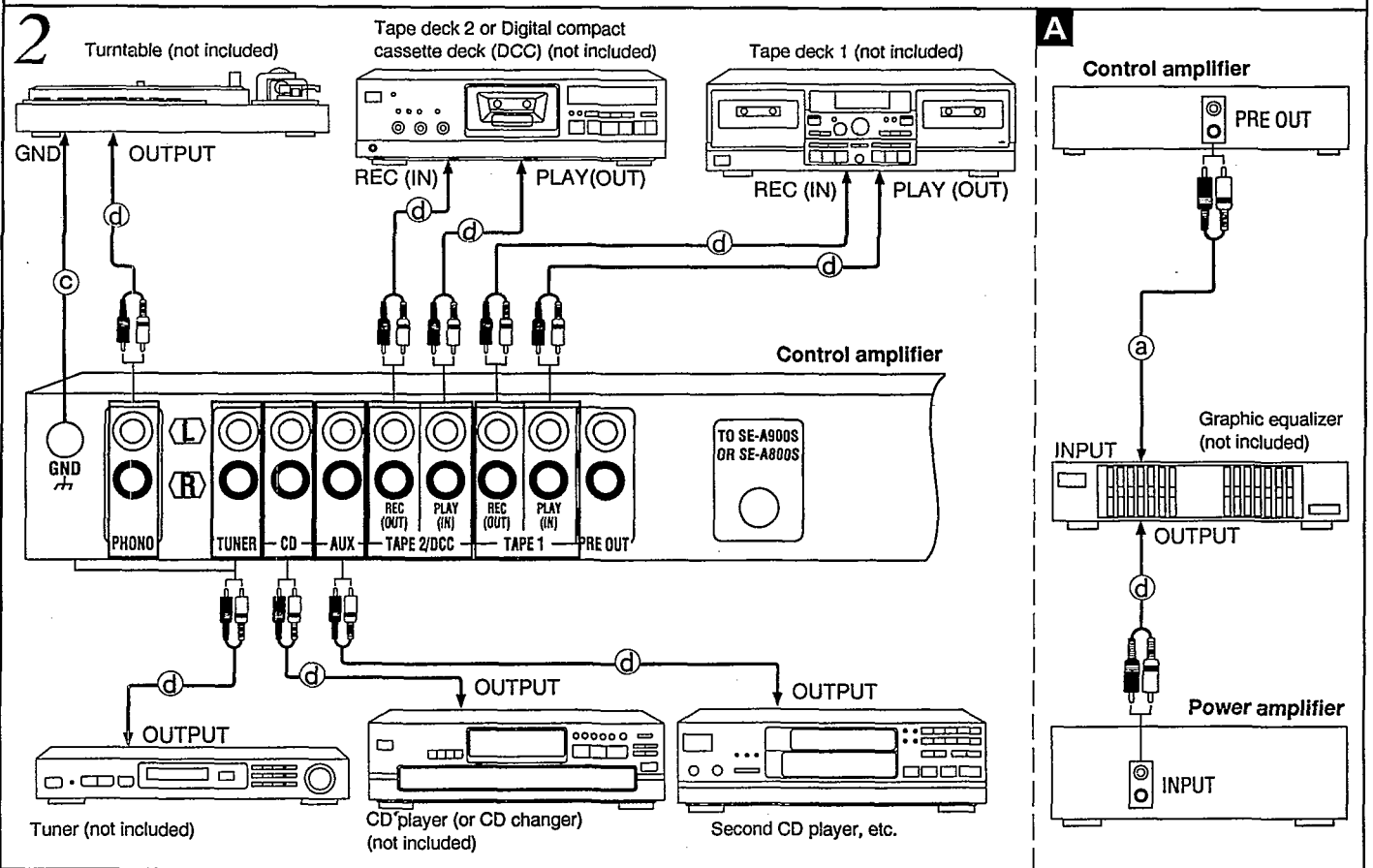
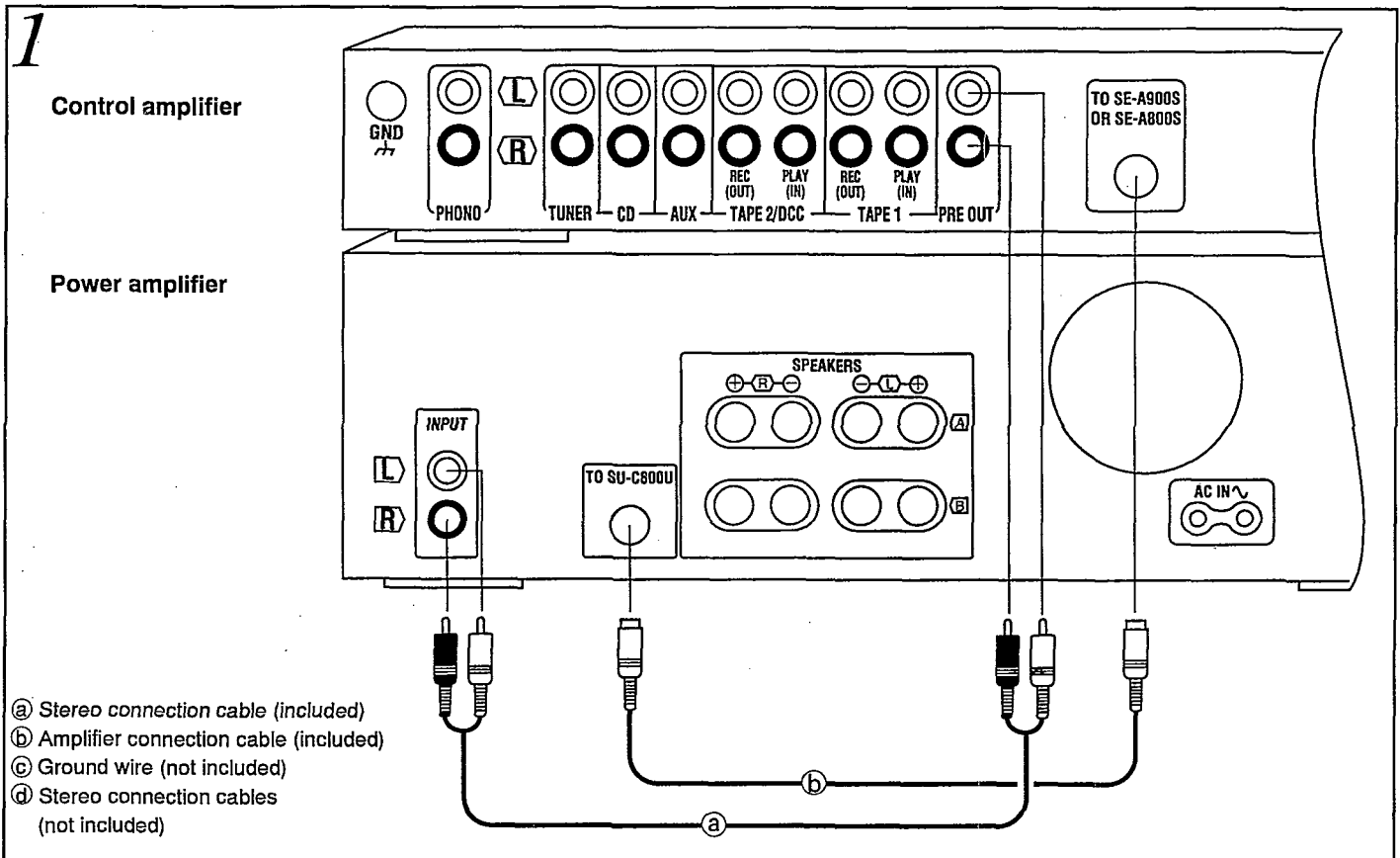


Connecting the Audio Components

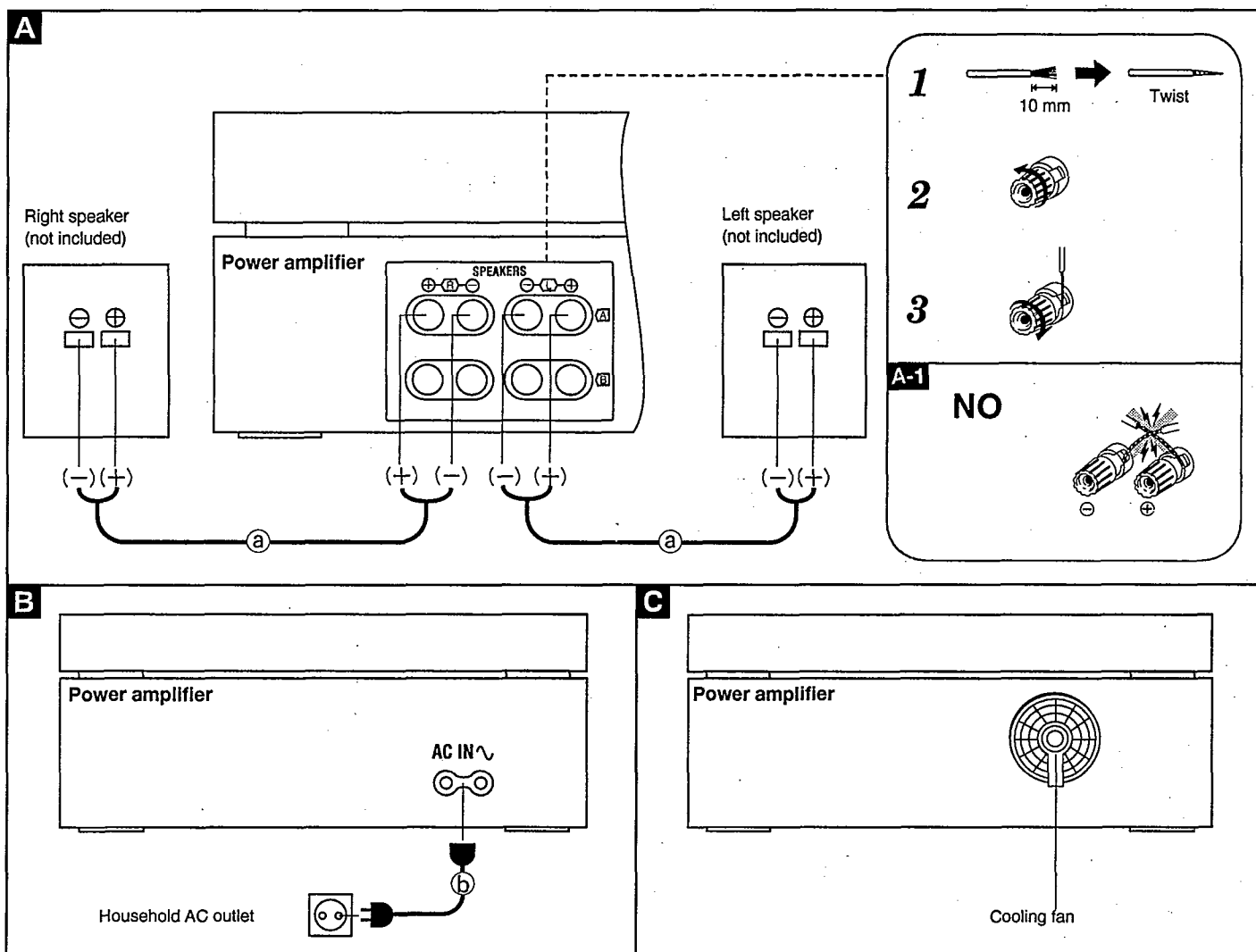
Make sure that the power supply for all components has been turned off before making any connections.



If connecting a graphic equalizer ^A
 Connect it between the PRE OUT terminals of the control amplifier and INPUT terminals of the power amplifier.



Connecting the Speakers and Power Supply



Connecting the speakers **A**

Ⓐ Speaker cables (not included)

The wires which are connected to the positive (+) terminals of the amplifier should be connected to the positive (+) terminals of the speakers. The negative (-) terminals should be connected in a similar way.

“B” terminals

For connection to a second pair of speakers.

Speaker impedance

- When only the “A” or only the “B” terminals are used: 4–16 Ω
- When both the “A” and the “B” terminals are used simultaneously: 8–16Ω

CAUTION **A-1**

To prevent damage to circuitry, never short-circuit the positive (+) and negative (-) speaker wires.

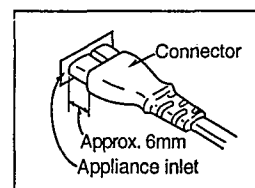
Connecting the power supply **B**

Connect the power supply only after all other connections have been made.

Ⓑ AC power supply cord (included)

Insertion of Connector

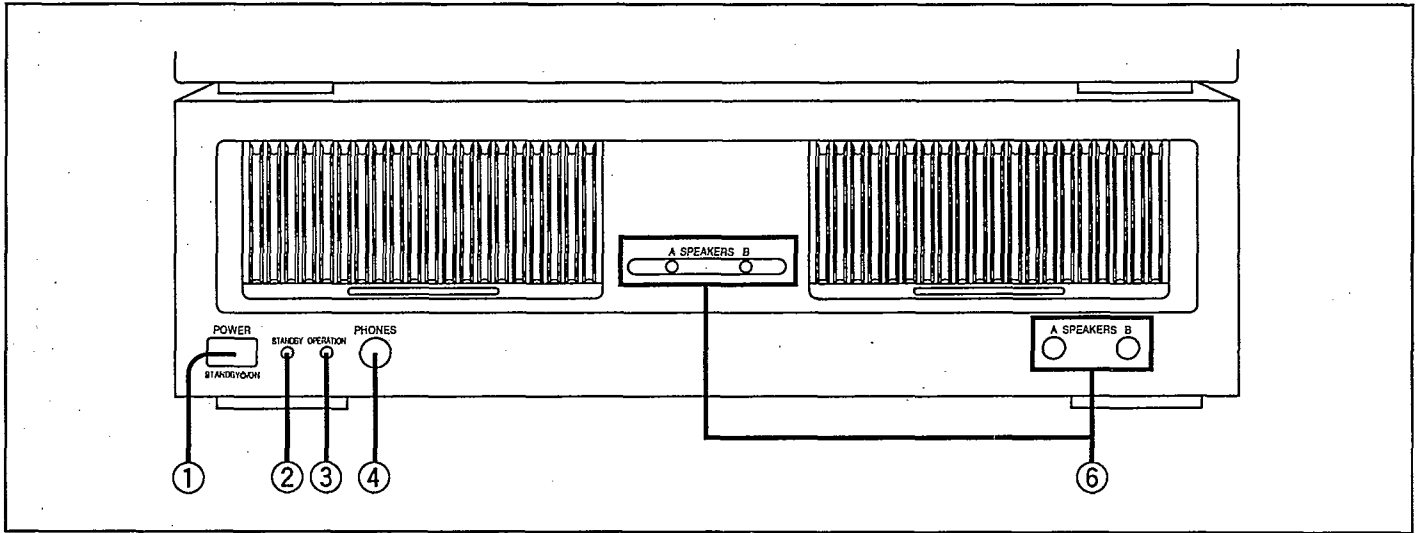
Even when the connector is perfectly inserted, depending on the type of inlet used, the front part of the connector may jut out as shown in the drawing. However there is no problem using the unit.



Cooling fan **C**

The cooling fan operates at high power output levels only.

■ Front Panel Controls



Power amplifier

① Power "STANDBY /ON" switch

(POWER, STANDBY  /ON)

Press to switch the unit from on to standby mode or vice versa. In standby mode, the unit is still consuming a small amount of power.

Note

This switch will not operate when the control amplifier is in standby mode.

② "STANDBY" indicator (STANDBY)

When the unit is connected to the AC mains supply, this indicator lights up in standby mode and goes out when the unit is turned on.

③ Operation indicator (OPERATION)

This indicator illuminates when the power amplifier is in the normal operating condition.

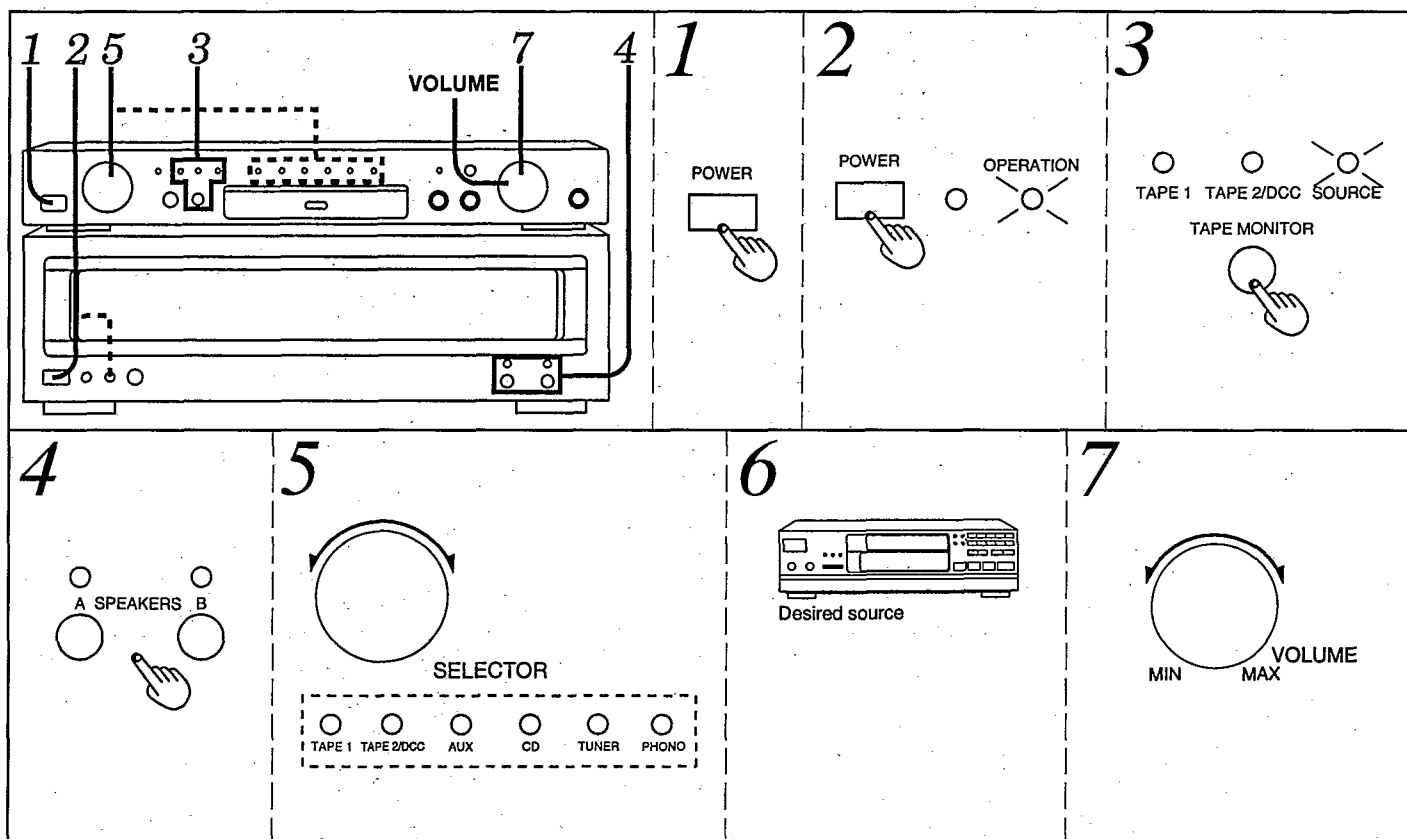
If the (+) and (-) wires of the speaker cables are shorted, or if a circuit abnormality such as DC voltage in the power output to the speakers is detected, the protection circuit will operate and the "OPERATION" indicator will turn off.

④ Headphones jack (PHONES)

⑥ Speaker select buttons/indicators (SPEAKERS)

(ϕ 6.3, 330 Ω)

■ Listening to Sound



Before operation, set VOLUME to the "MIN" position.

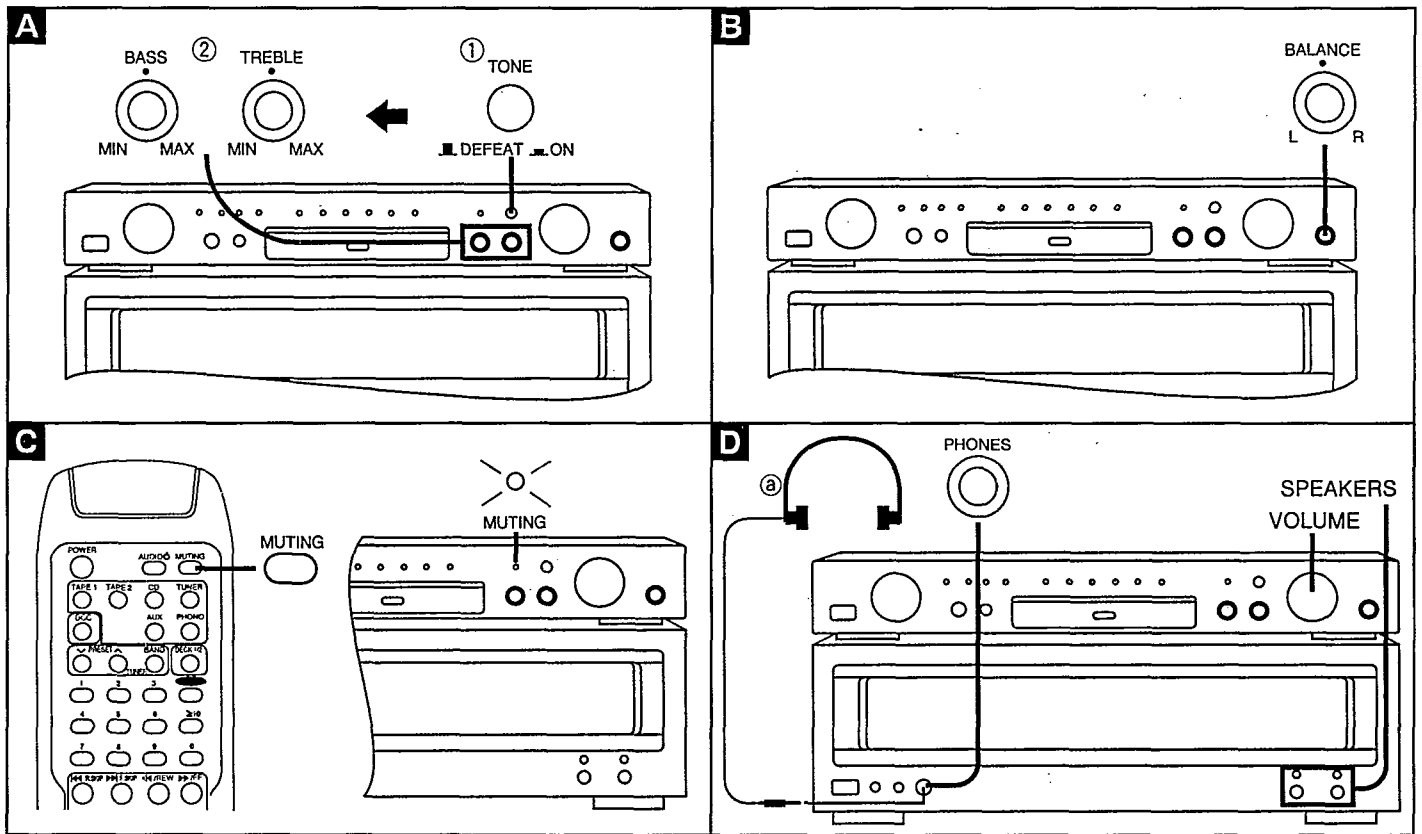
- 1 Press POWER of the control amplifier.**
- 2 Press POWER of the power amplifier.**
The "OPERATION" indicator will illuminate after approximately 4 seconds.
Once the power amplifier has been turned on, both amplifiers can then be turned on or to standby mode using POWER on the control amplifier.
- 3 Press TAPE MONITOR so that the "SOURCE" indicator illuminates.**
Each time the button is pressed, the indication will change as follows.
TAPE 1 → TAPE 2/DCC → SOURCE

↑	←	→	↓
---	---	---	---
- 4 Press A and/or B to select the speaker system(s) to be used.**
The corresponding indicator(s) will illuminate.

- 5 Turn SELECTOR to select the desired source.**
The indicator which corresponds to the selected input source will illuminate.
TAPE 1: Tape deck 1
TAPE 2/DCC: Tape deck 2 or DCC
AUX: Component connected to the AUX terminals
CD: CD player (or CD changer)
TUNER: Tuner
PHONO: Turntable
- 6 Start the desired source.**
(Refer to the appropriate operating instructions for details.)
- 7 Turn VOLUME to adjust the volume level.**

After listening is finished

Be sure to reduce the volume level, and turn off the units by pressing POWER of the control amplifier.



To adjust the tone quality **A**

- ① Press TONE in to the "ON" position.
- ② Turn BASS to adjust the low-frequency sound.
Turn TREBLE to adjust the high-frequency sound.

If listening without adjusting the tone quality, press TONE so that it is at the "DEFEAT" position.

To adjust the sound balance **B**

Turn BALANCE to adjust the left/right sound balance.

To mute the sound level **C**

Press MUTING on the remote control transmitter.
(The "MUTING" indicator on the amplifier will illuminate.)

Press once again to return to the previous volume level. (The "MUTING" indicator will turn off.)

To listen through headphones **D**

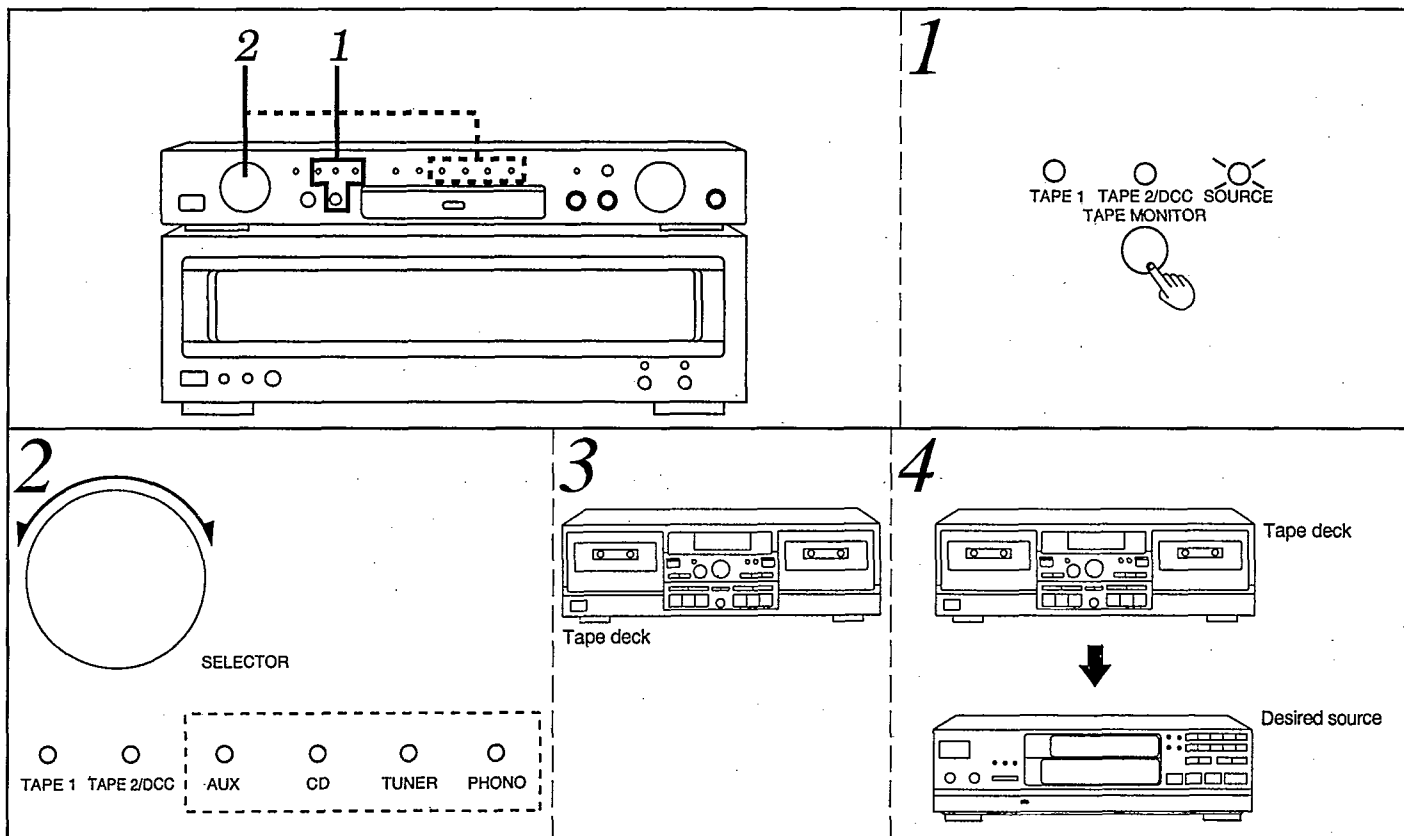
Use VOLUME to reduce the volume level, and connect the headphones.

- ⓐ Headphones (not included)
Plug type: 6.3 mm phone plug stereo type

If sound from speakers is not wanted, press SPEAKERS (A) and/or (B) to turn off the speaker indicators.

Note
Avoid listening for prolonged periods of time to prevent hearing damage.

Recording



It is possible to record from units which are connected to the rear "AUX", "CD", "TUNER" or "PHONO" terminals to cassette tape decks or DCC decks which are connected to the "TAPE 1" or "TAPE 2/DCC" terminals.

- 1** Press **TAPE MONITOR** so that the "SOURCE" indicator illuminates.
- 2** Turn **SELECTOR** to select the desired source to be recorded.
AUX: Component connected to the AUX terminals
CD: CD player (or CD changer)
TUNER: Tuner
PHONO: Turntable
- 3** Prepare the tape deck for recording.
Refer to the operating instructions for the tape deck for detailed adjustment of the recording level, etc.
- 4** Start the tape deck for recording, and play the source.

Recording from tape to tape

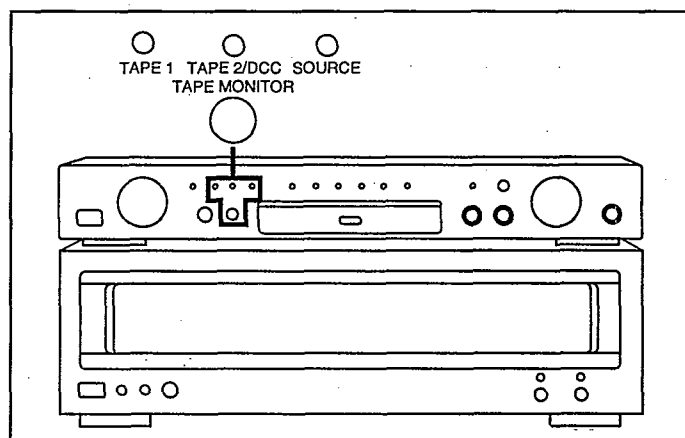
It is possible to record from tape deck 1 to tape deck 2 (or DCC) and vice versa.

To record from tape deck 1 to 2

1. Press **TAPE MONITOR** so that the "SOURCE" indicator illuminates.
2. Turn **SELECTOR** so that the "TAPE 1" indicator illuminates.
3. Begin tape deck 2 for recording and tape deck 1 for playback.

To record from tape deck 2 to 1

1. Press **TAPE MONITOR** so that the "SOURCE" indicator illuminates.
2. Turn **SELECTOR** so that the "TAPE 2/DCC" indicator illuminates.
3. Begin tape deck 1 for recording and tape deck 2 for playback.



To check the sound recorded while recording is being made

If a cassette tape deck with 3 heads is connected to the "TAPE 1" or "TAPE 2/DCC" terminals, it is possible to check the sound being recorded onto the tape.

Press **TAPE MONITOR** to select the deck (tape deck 1 or 2) and set the monitor switch on the tape deck to "TAPE".

TAPE 1: when recording on tape deck 1

TAPE 2/DCC: when recording on tape deck 2

Note

Be sure to switch the illuminated tape monitor indicator back to "SOURCE" once you have finished monitoring the sound being recorded.

Operation Check and Main Component Replacement Procedures

NOTE

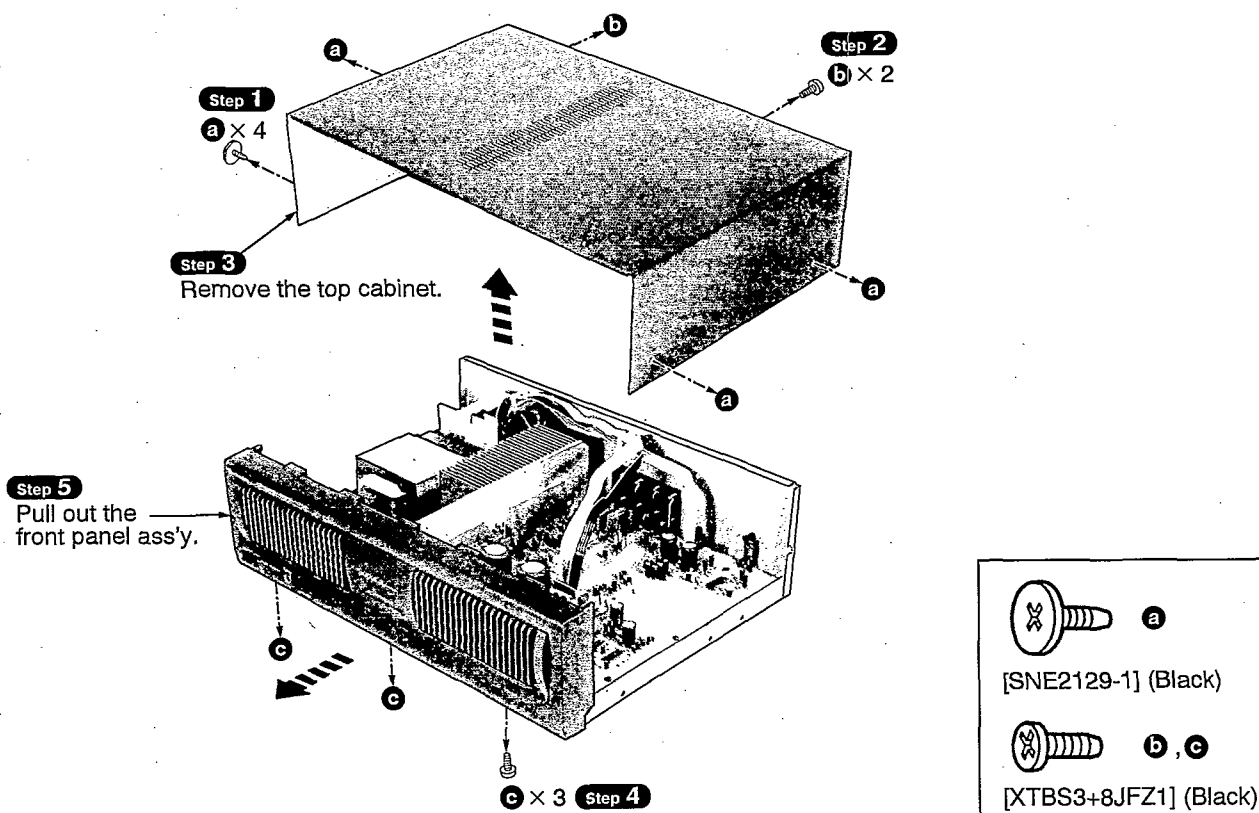
1. This section describes procedures for checking the operation of the major printed circuit boards and replacing the main components.
2. For reassembly after operation checks or replacement, reverse the respective procedures. Special reassembly procedures are described only when required.
3. Select items from the following index when checks or replacement are required.
4. Illustrated screws are equivalent to actual size.
5. Refer the parts No. on the page of "Main Component Replacement Procedures", if necessary.

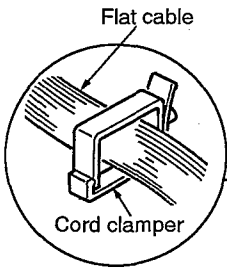
Contents

•Checking Procedure for each P.C.B.	Page.
1.Checking for the main P.C.B.	10,11.
•Main Component Replacement Procedures	
1.Replacement for the foot.	12.
2.Replacement for the power IC and regulator transistor.	12,13.
3.Replacement for the fan motor.	13.

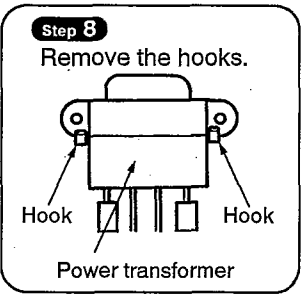
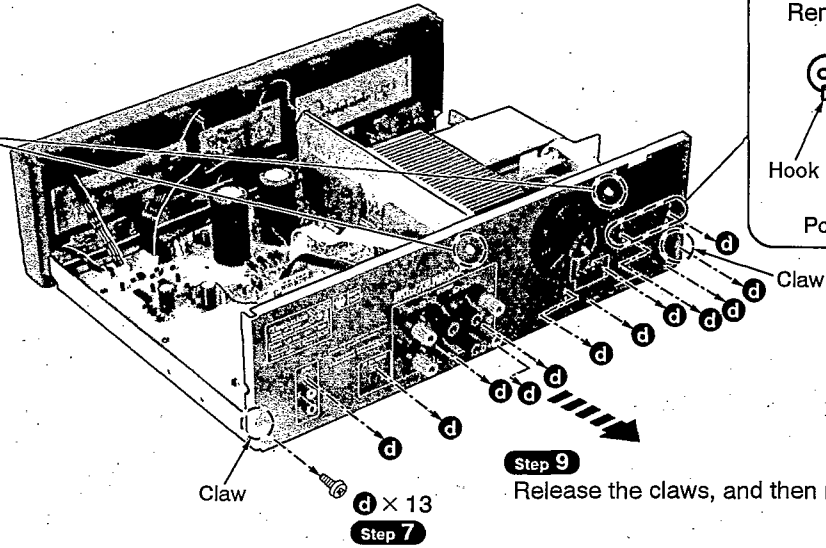
Checking Procedure for each P.C.B.

1. Checking for the main P.C.B.

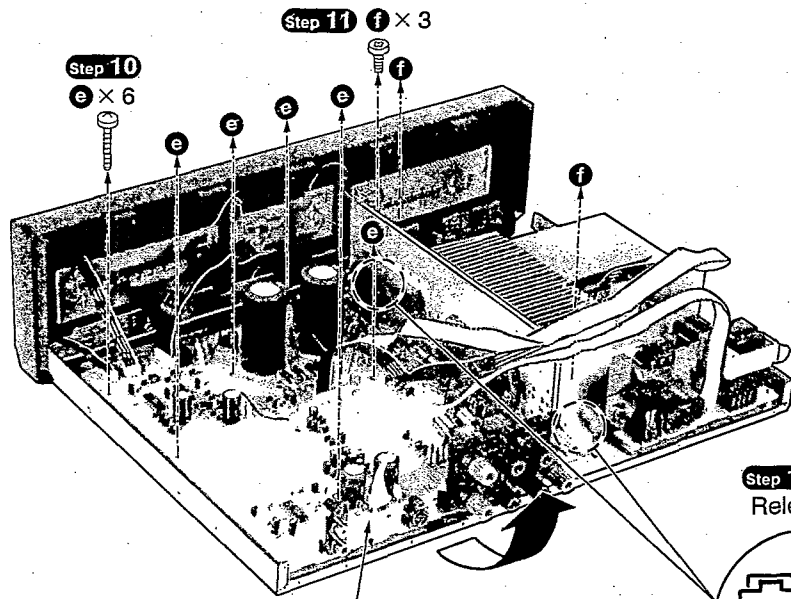




Step 6
Remove the flat cable from cord clamber.



Step 9
Release the claws, and then remove the rear panel.

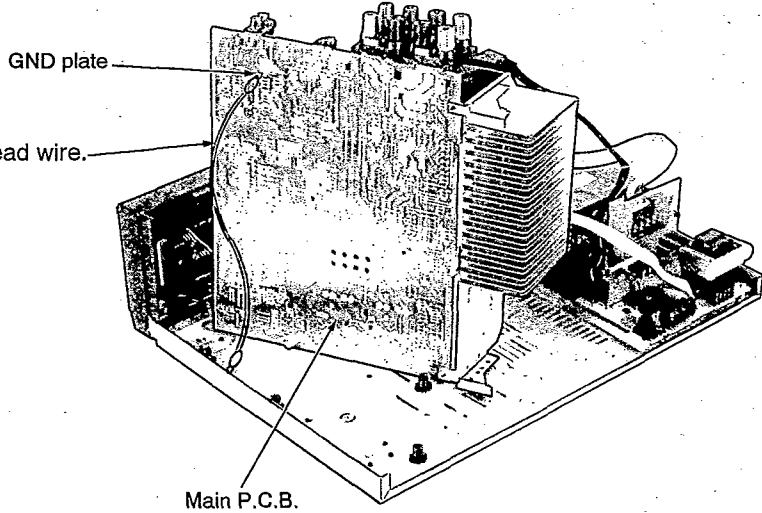



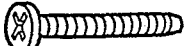

Step 12
Release the hooks.

• Check the main P.C.B. as shown below.

Step 13
Raise the main P.C.B.

Step 14
Connect the lead wire.



-  d
[XTBS3+8JFZ1](Black)
-  e
[XTB3+20JFZ](Black)
-  f
[XTB3+8JFZ](Black)

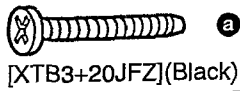
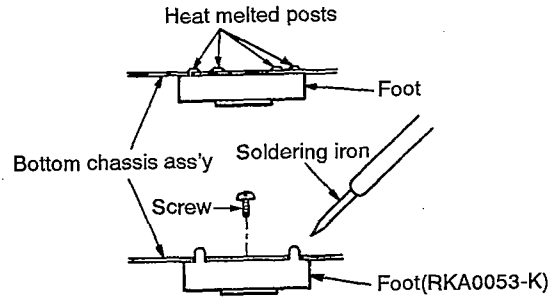
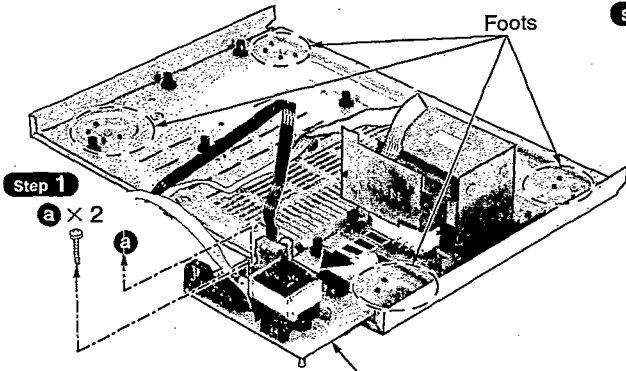
Main Component Replacement Procedures

1. Replacement for the foot

• Follow the **Step 1** ~ **Step 2** in item 1 on checking procedure for each P.C.B. on pages 10 and 11.

Step 3 Remove the 4 heat melted posts on the bottom chassis ass'y with a pair of nippers or similar tool.

Step 4 To replace the foot(RKA0053-K) on the bottom chassis ass'y melt the 4 posts with a soldering iron or install it with a screw (XTB3+6J)



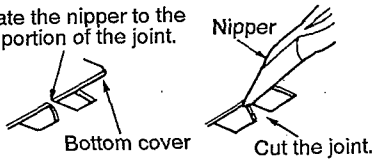
Step 2 Remove the power supply P.C.B.

2. Replacement for the power IC and regulator transistor

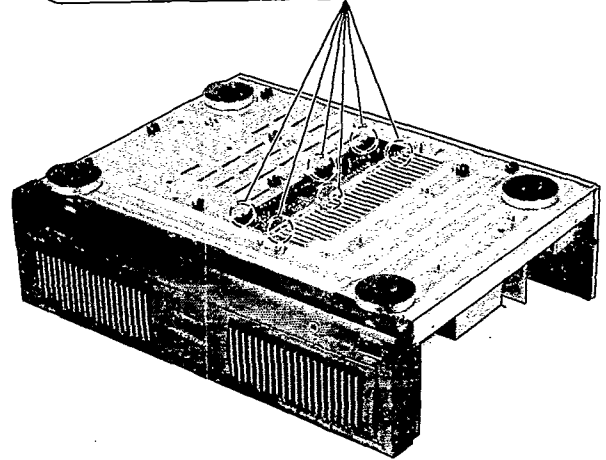
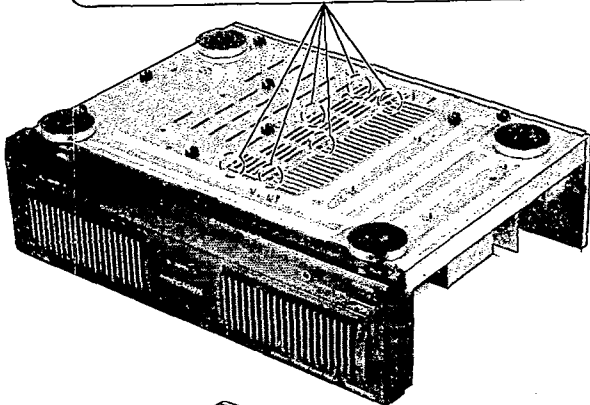
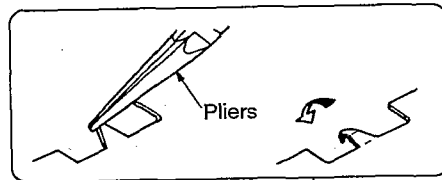
• Follow the **Step 1** ~ **Step 3** in item 1 on checking procedure for each P.C.B. on page 10.

Step 1 Cut the joints as shown below.(6 portions)

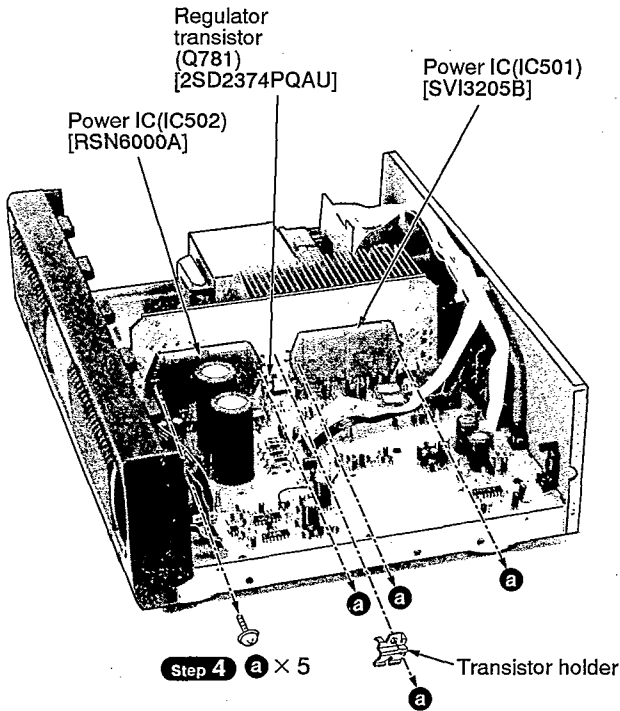
Locate the nipper to the thin portion of the joint.



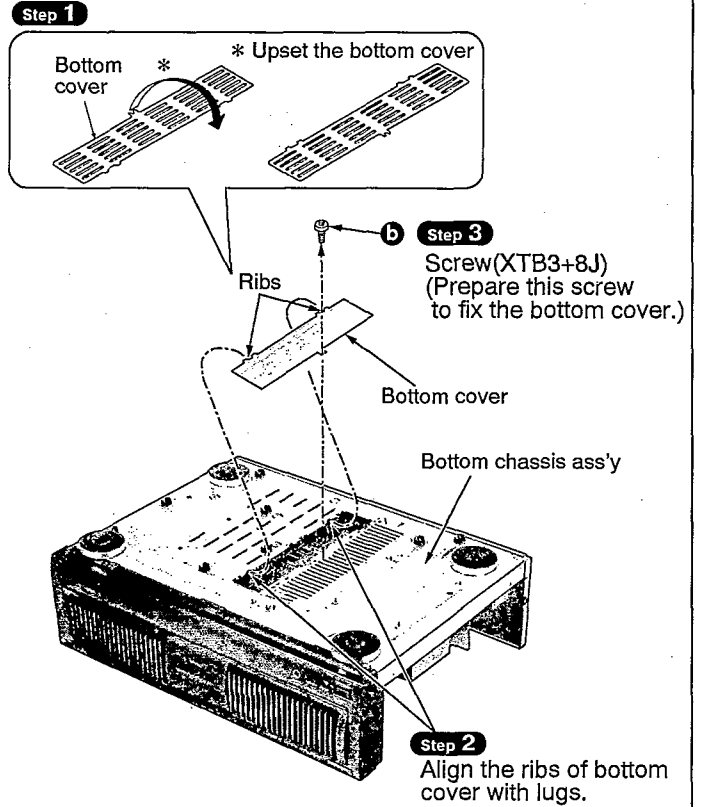
Step 2 Fold the joints.(6 portions)



Step 3 Unsolder the terminals of power IC and regulator transistor.

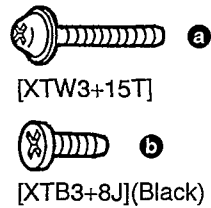


Installation of the bottom cover after replacement



CAUTION

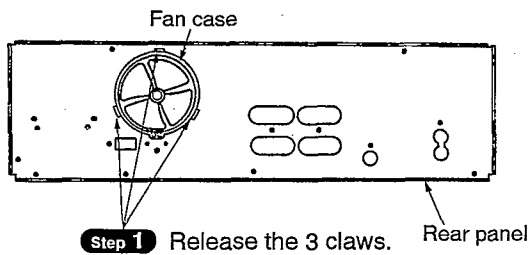
1. After replacing the power IC or regulator transistor, apply a sufficient quantity of compound grease (RFKX0002) between the heat sink and the power IC or regulator transistor (Radiation of power IC).
2. Tighten enough the screws (a) after replacing the power IC and regulator transistor. Otherwise, the heat radiation works little.



(Prepare this screw to fix the bottom cover.)

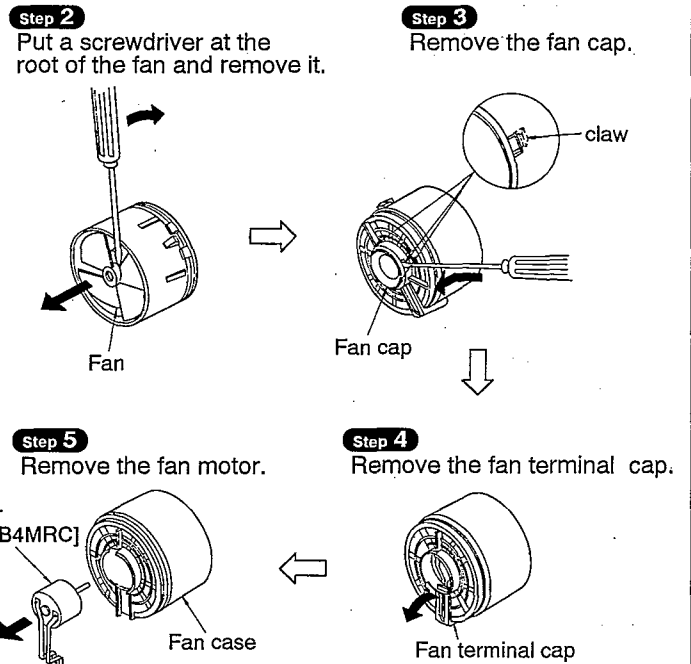
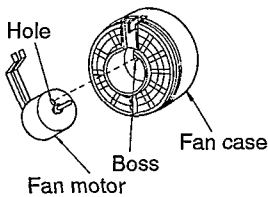
3. Replacement for the fan motor

• Follow the Step 1 ~ Step 9 in item 1 on checking procedure for each P.C.B. on pages 10 and 11.



NOTE

When replacing the fan motor, align the boss of the fan case with the hole of the fan motor.



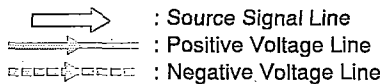
■ Schematic Diagram

	Page
A MAIN CIRCUIT	15~18
B S.P. SWITCH CIRCUIT	18
C HEADPHONES JACK CIRCUIT	18
D POWER SWITCH CIRCUIT	18
E LED (SP) CIRCUIT	18
F LED (R ch) CIRCUIT	18
G LED (L ch) CIRCUIT	18
H POWER SUPPLY CIRCUIT	18
I POWER TRANSFORMER CIRCUIT	18

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

Notes:

- **S801** : Power "STANDBY ϕ /ON" switch (POWER, STANDBY ϕ /ON)
- **S802** : Speaker select switch (SPEAKER A)
- **S803** : Speaker select switch (SPEAKER B)
- Voltage values and waveforms are measured as indicated in the schematic diagram when test points between **TP701** and **TP701**, and between **TP703** and **TP704** are shorted.
- Indicated voltage values are the standard values for the unit measured by the DC electronic circuit tester (high-impedance) with the chassis taken as standard. Therefore, there may exist some errors in the voltage values, depending on the internal impedance of the DC circuit tester.
No mark: Power ON
- Voltage and signal line



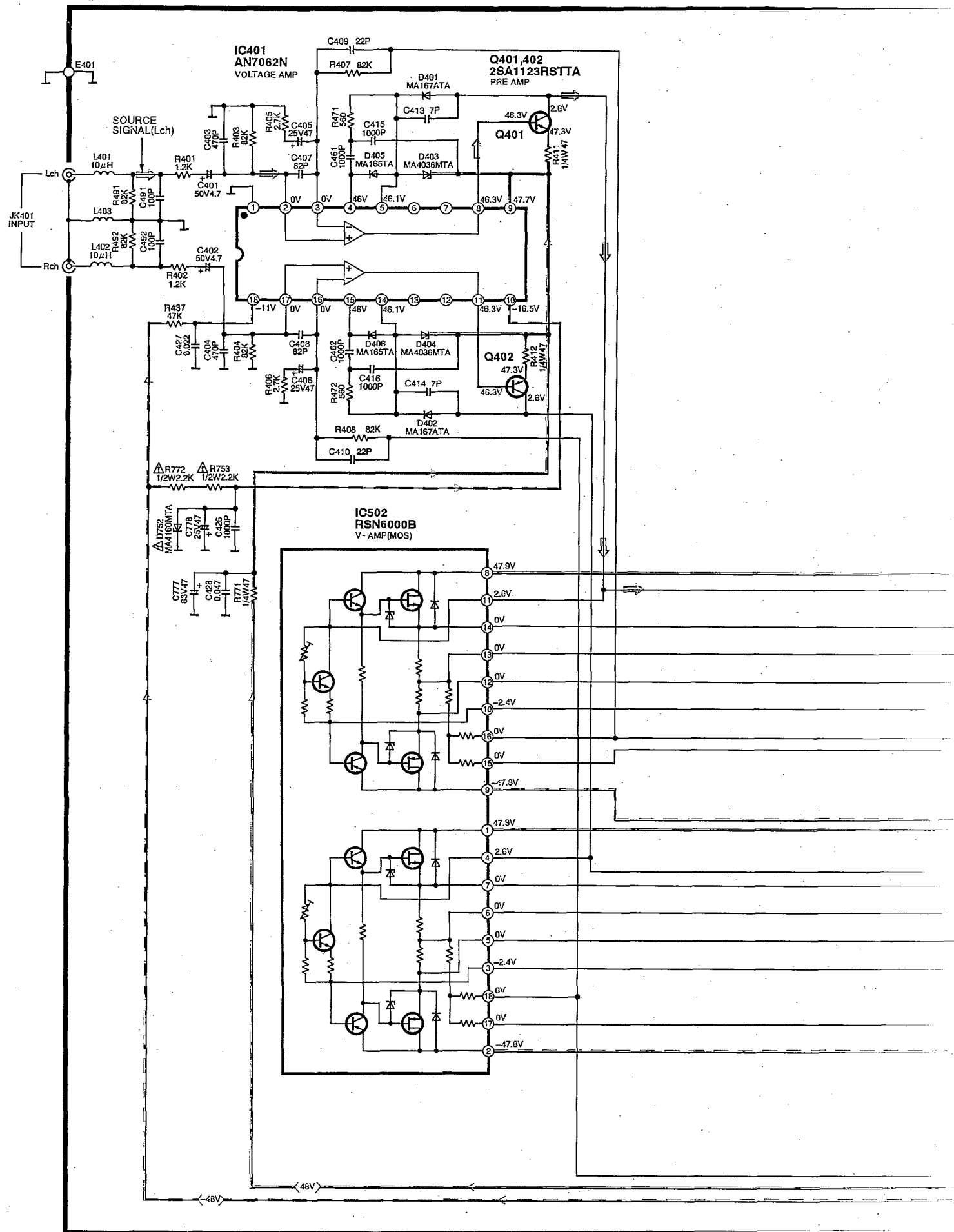
• Important safety notice:

Components identified by \triangle mark have special characteristics important for safety. Furthermore, special parts which have purposes of fire-retardant (resistors), high-quality sound (capacitors), low-noise (resistors), etc. are used. When replacing any of components, be sure to use only manufacturer's specified parts shown in the parts list.

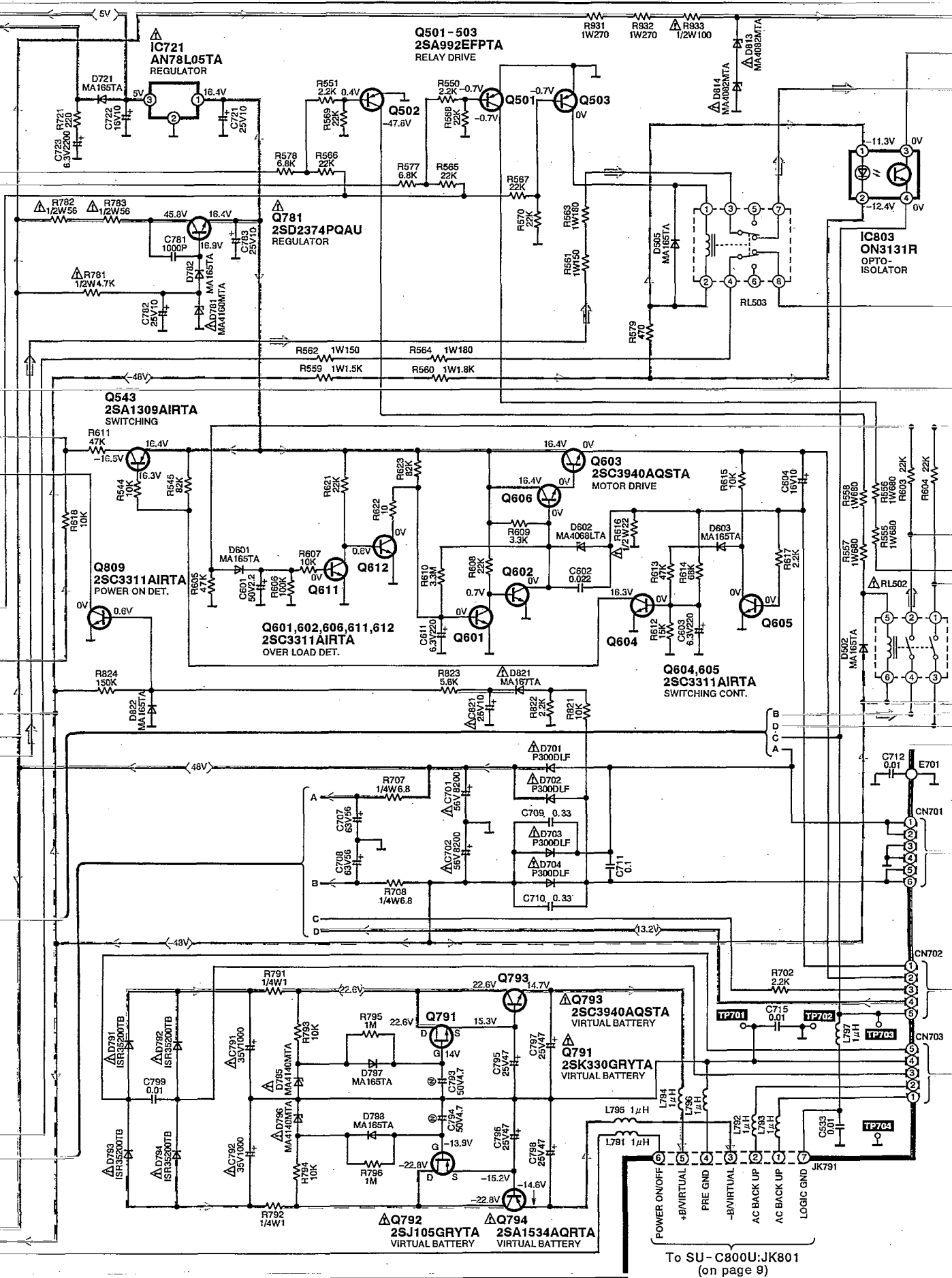
• Caution!

IC and LSI are sensitive to static electricity.
 Secondary trouble can be prevented by taking care during repair.
 Cover the parts boxes made of plastics with aluminum foil.
 Ground the soldering iron.
 Put a conductive mat on the work table.
 Do not touch the legs of IC or LSI with the fingers directly.

A MAIN CIRCUIT (P.C.Board: on pages 20,21)



A MAIN CIRCUIT (P.C.Board: on pages 20,21)



To SU-C800U:JK801 (on page 9)

B SP. SWITCH CIRCUIT
(P.C.Board: on pages 20,21)

D POWER SWITCH CIRCUIT
(P.C.Board: on page 19)

C HEADPHONES JACK CIRCUIT
(P.C.Board: on page 19)

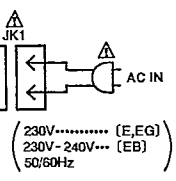
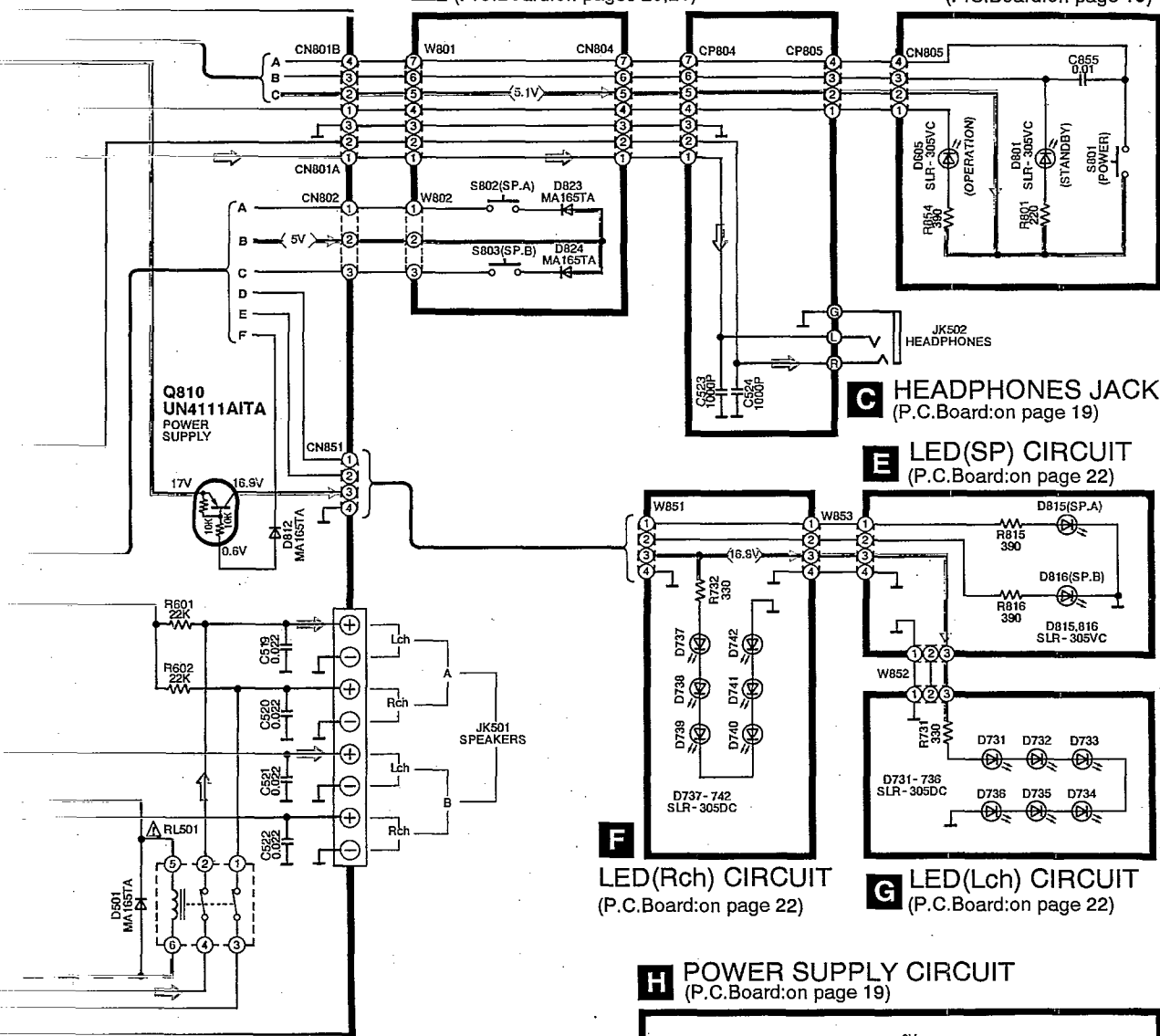
E LED(SP) CIRCUIT
(P.C.Board: on page 22)

F LED(Rch) CIRCUIT
(P.C.Board: on page 22)

G LED(Lch) CIRCUIT
(P.C.Board: on page 22)

H POWER SUPPLY CIRCUIT
(P.C.Board: on page 19)

I POWER TRANSFORMER CIRCUIT
(P.C.Board: on page 19)

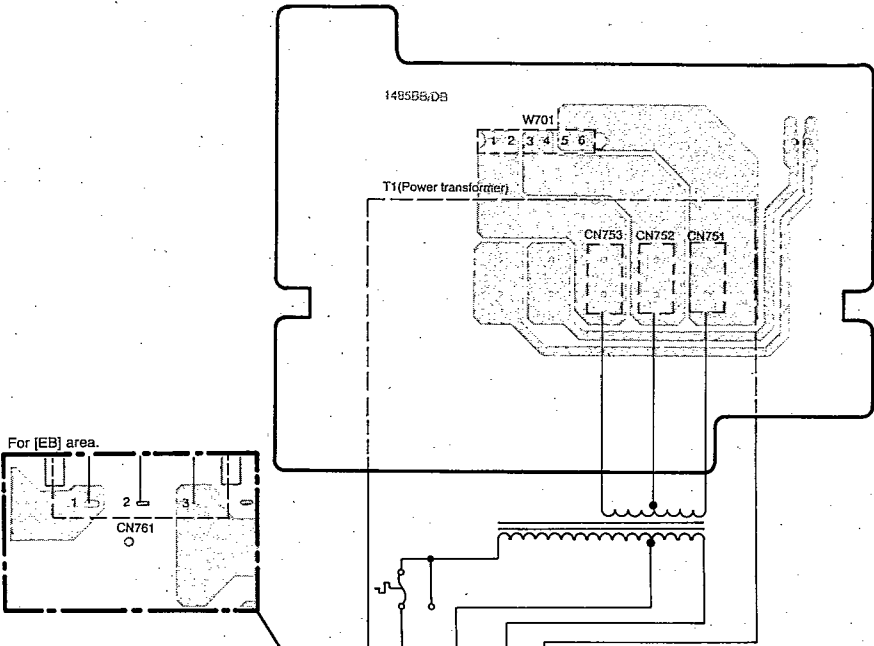


————— : Positive Voltage Line - - - - - : Negative Voltage Line ———— : Source Signal Line

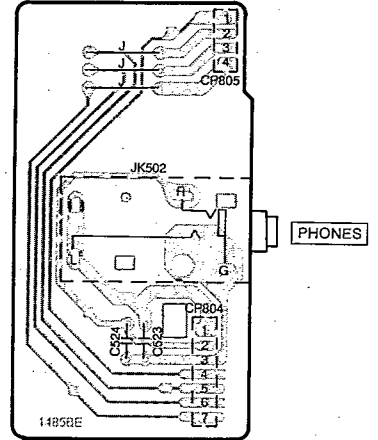
Printed Circuit Board Diagram

• This circuit board diagram may be modified at any time with the development of new technology.

I POWER TRANSFORMER P.C.B. (REP2154B-1S...[E,EG] / REP2154D-1S...[EB])



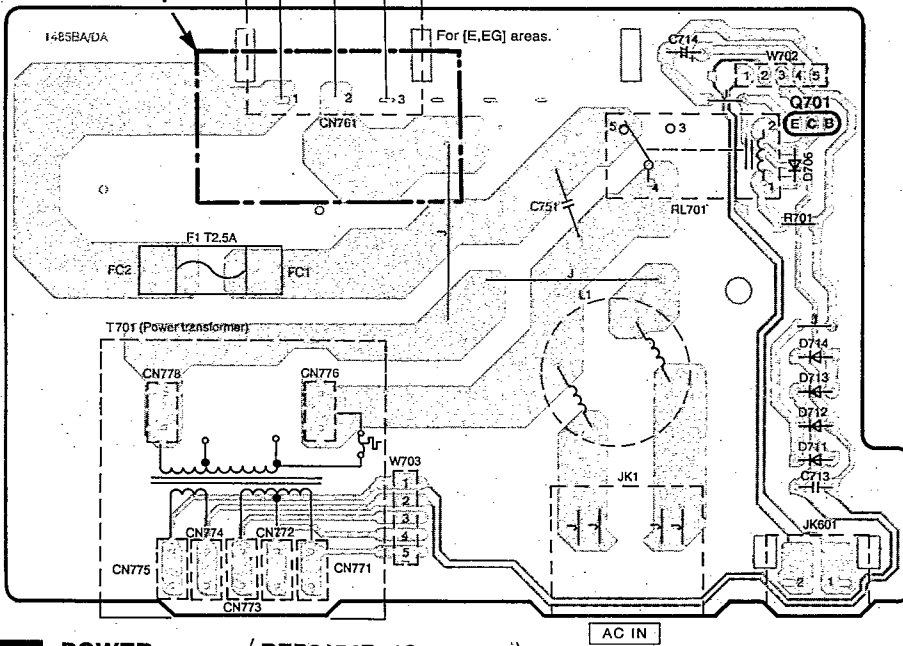
C HEADPHONES JACK P.C.B. (REP2154B-2S)



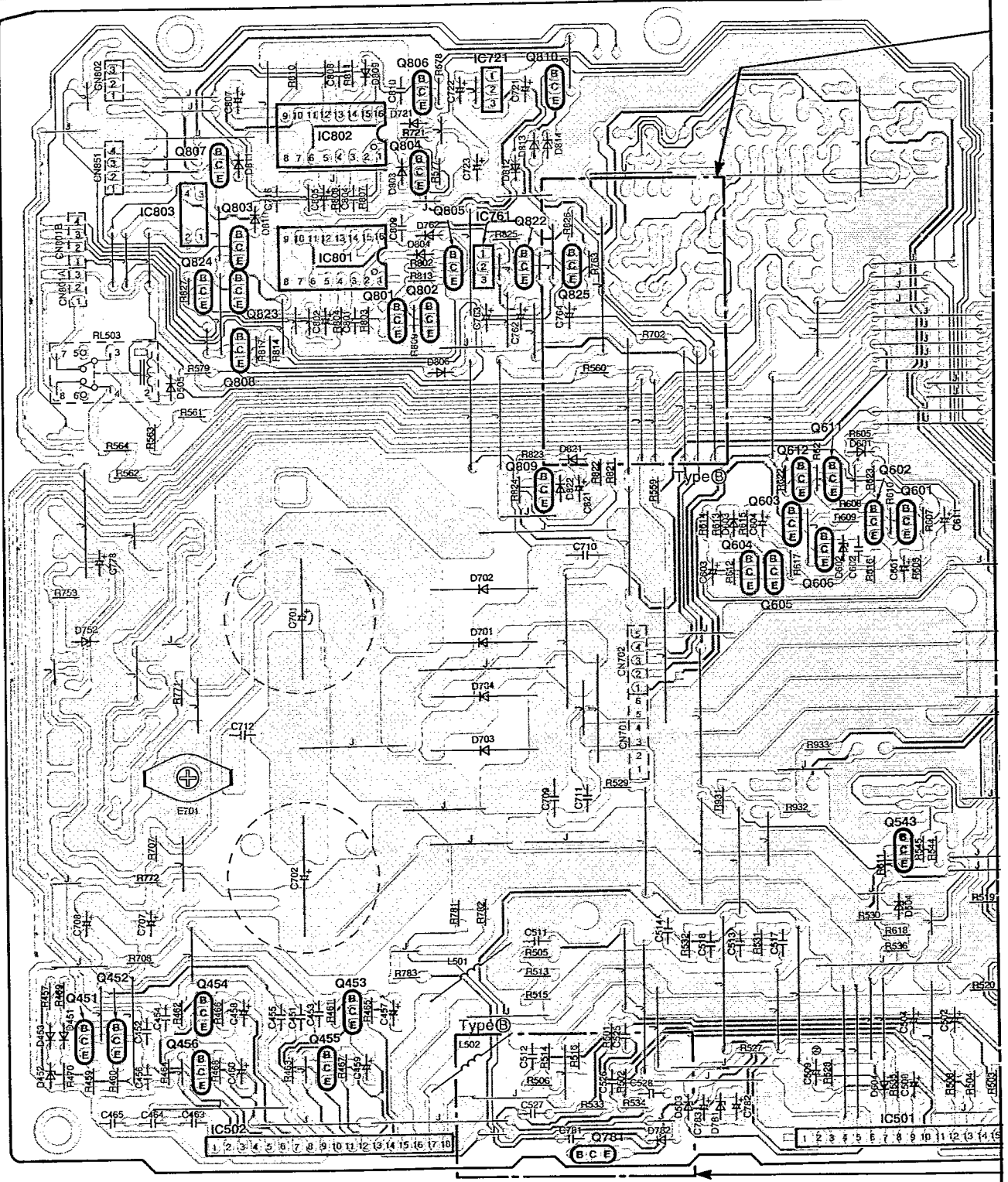
D POWER SWITCH P.C.B. (REP2154B-2S)



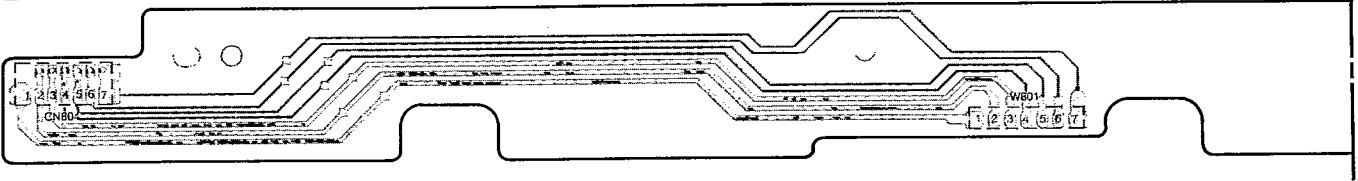
H POWER SUPPLY P.C.B. (REP2154B-1S...[E,EG] / REP2154D-1S...[EB]) (230V...[E,EG] / 230V-240V...[EB] / 50/60Hz)



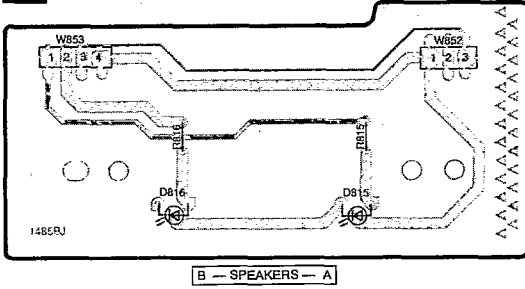
A MAIN P.C.B. (REP2153B-M...[E,EG] [There are two kinds of Type(A),(B)in the Main P.C.B.]
 REP2153E-M...[EB])



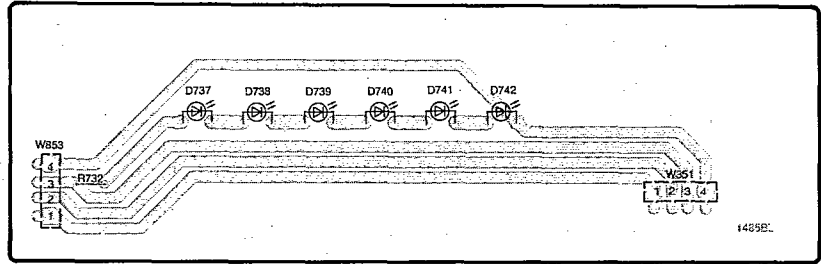
B SP. SWITCH P.C.B. (REP2154B-2S)



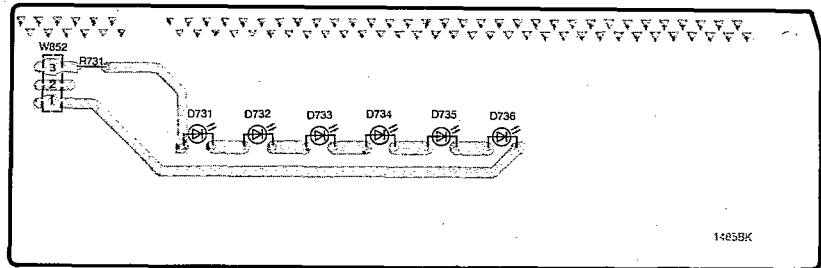
E LED (SP) P.C.B. (REP2154B-2S)



F LED (Rch) P.C.B. (REP2154B-2S)

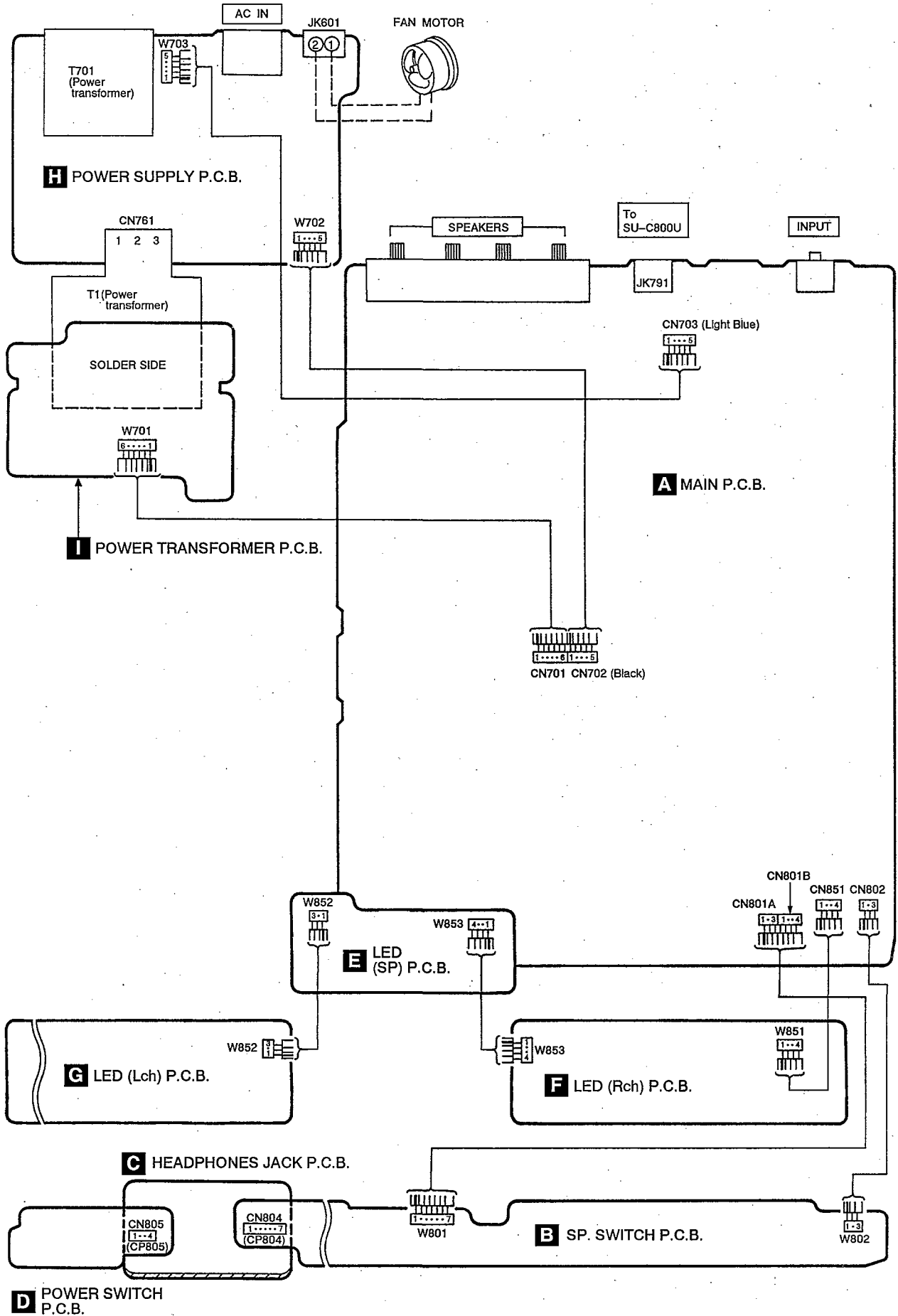


G LED (Lch) P.C.B. (REP2154B-2S)

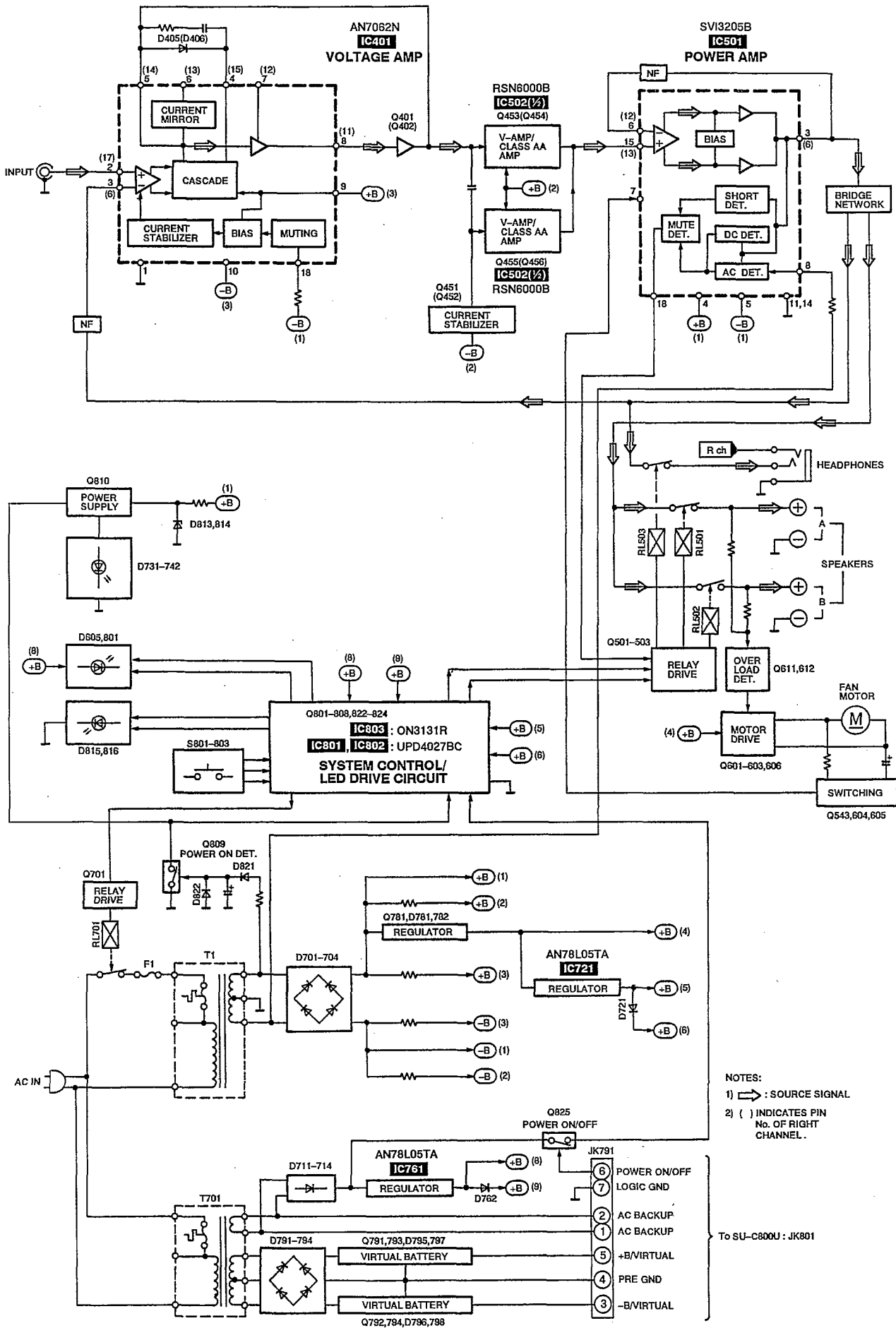


<p>UPD4027BC</p>	<p>AN7062N</p>	<p>ON3131R</p>	<p>AN78L05TA</p>	<p>RSN6000A SVI3205B</p>
<p>2SA992EFPTA 2SA1123RSTTA 2SC2631RSTTA</p>	<p>2SA1534RTA 2SC3940AQSTA</p>	<p>2SD2374PQAU</p>	<p>2SA1309AIRTA 2SC3311AIRTA UN4111 UN4215</p>	<p>2SJ105GRYTA 2SK330GRYTA</p>
<p>MA165 MA167 MA29WA</p>	<p>1SS291TA</p>	<p>1SR35200TB</p>	<p>P300DLF</p>	<p>MA4140M MA4160M</p>
<p>MA4036MTA MA4056MTA MA4068L MA4082MTA</p>	<p>SLR-305VC SLR-305DC</p>			

Wiring Connection Diagram



Block Diagram



NOTES:
 1) \Rightarrow : SOURCE SIGNAL
 2) () INDICATES PIN No. OF RIGHT CHANNEL.

To SU-C800U : JK801

Replacement Parts List

Notes: *Important safety notice:

Components identified by Δ mark have special characteristics important for safety.

Furthermore, special parts which have purposes of fire-retardant (resistors), high-quality sound (capacitors), low-noise (resistors), etc. are used.

When replacing any of components, be sure to use only manufacture's specified parts shown in the parts list.

*The parenthesized indications in the Remarks columns specify the areas. (Refer to the cover page for area.)

Parts without these indications can be used for all areas.

*Remote Control Ass'y: Supply period for three years from termination of production.

*The "(SF)" mark denotes the standard part.

*-<VRD>: indicates parts that are supplied by Video Recorder Division.

Ref. No.	Part No.	Part Name & Description	Remarks	Ref. No.	Part No.	Part Name & Description	Remarks
		INTEGRATED CIRCUIT(S)		D453	MA29WA	DIODE	
				D501, 502	MA165	DIODE	
				D503, 504	MA4160M	DIODE	Δ
IC401	AN7062N	IC, VOLTAGE AMP.		D505	MA165	DIODE	
IC501	SVI3205B	IC, POWER AMP.	Δ	D506	1SS291TA	DIODE	
IC502	RSN6000A	IC, V-AMP		D601	MA165	DIODE	
IC721	AN78L05TA	IC, REGULATOR	Δ	D602	MA4068L	DIODE	
IC761	AN78L05TA	IC, REGULATOR	Δ	D603, 604	MA165	DIODE	
IC801, 802	UPD4027BC	IC, J-K FLIP-FLOP		D605	SLR-305VC	LED	
IC803	ON3131R	IC, OPTO-ISOLATOR		D701-704	P300DLF	DIODE	Δ
		TRANSISTOR(S)		D706	MA165	DIODE	
				D711-714	1SR35200TB	DIODE	Δ
				D721	MA165	DIODE	
Q401, 402	2SA1123RSTTA	TRANSISTOR		D731-742	SLR-305DC	LED	
Q451, 452	2SC2631RSTTA	TRANSISTOR		D752	MA4160M	DIODE	Δ
Q453, 454	2SC3311AIRTA	TRANSISTOR		D762	MA165	DIODE	
Q455, 456	2SA1309AIRTA	TRANSISTOR		D781	MA4160M	DIODE	Δ
Q501-503	2SA992EPPTA	TRANSISTOR		D782	MA165	DIODE	
Q543	2SA1309AIRTA	TRANSISTOR		D791-794	1SR35200TB	DIODE	Δ
Q601	2SC3311AIRTA	TRANSISTOR		D795, 796	MA4140M	DIODE	Δ
Q602	2SC3311AIRTA	TRANSISTOR		D797, 798	MA165	DIODE	
Q603	2SC3940AQSTA	TRANSISTOR		D801	SLR-305VC	LED	
Q604-606	2SC3311AIRTA	TRANSISTOR		D803, 804	MA165	DIODE	
Q611, 612	2SC3311AIRTA	TRANSISTOR		D806	MA165	DIODE	
Q701	2SC3311AIRTA	TRANSISTOR		D809-812	MA165	DIODE	
Q781	2SD2374PQAU	TRANSISTOR	Δ	D813, 814	MA4082MTA	DIODE	Δ
Q791	2SK330GRYTA	TRANSISTOR	Δ	D815, 816	SLR-305VC	LED	
Q792	2SJ105GRYTA	TRANSISTOR	Δ	D821	MA167	DIODE	Δ
Q793	2SC3940AQSTA	TRANSISTOR	Δ	D822-824	MA165	DIODE	
Q794	2SA1534RTA	TRANSISTOR	Δ			COIL(S)	
Q801, 802	UN4215	TRANSISTOR					
Q803-807	UN4111	TRANSISTOR		L1	SLQZ650MH49	COIL	Δ
Q808	2SA1309AIRTA	TRANSISTOR		L401, 402	ELEXT100KA9	COIL	
Q809	2SC3311AIRTA	TRANSISTOR		L403	BLO2RN1R62T2	COIL	
Q810	UN4111	TRANSISTOR		L501-504	SLQY18G-10	COIL	
Q822, 823	UN4215	TRANSISTOR		L791-797	ELEXT1R0KA9	COIL	
Q824	2SC3311AIRTA	TRANSISTOR				TRANSFORMER(S)	
Q825	UN4111	TRANSISTOR					
		DIODE(S)		T1	RTP1P5B006-W	POWER TRANSFORMER	Δ
D401, 402	MA167	DIODE		T701	RTP1J5B001-W	POWER TRANSFORMER	Δ
D403, 404	MA4036MTA	DIODE				FUSE(S)	
D405, 406	MA165	DIODE					
D451	MA165	DIODE		F1	XBA2C25TBO	FUSE, 250V, 2.5A	Δ
D452	MA4056MTA	DIODE					

Ref. No.	Part No.	Part Name & Description	Remarks				
		SWITCH(ES)					
S801	EVQ21405R	SW, POWER					
S802	EVQ21405R	SW, SPEAKER A					
S803	EVQ21405R	SW, SPEAKER B					
		CONNECTOR(S)					
CN701	RJSIA6606	CONNECTOR (6P)					
CN702, 703	RJSIA6605	CONNECTOR (5P)					
CN751-753	RJSIA1101T1	CONNECTOR (1P)					
CN761	SJS305-1	CONNECTOR (3P)					
CN771-776	RJSIA1101T1	CONNECTOR (1P)					
CN778	RJSIA1101T1	CONNECTOR (1P)					
CN802	RJSIA6603	CONNECTOR (3P)					
CN804	RJU057W007	CONNECTOR (7P)					
CN805	RJU057W004	CONNECTOR (4P)					
CN851	RJSIA6604	CONNECTOR (4P)					
CN801A	RJSIA6603	CONNECTOR (3P)					
CN801B	RJSIA6604	CONNECTOR (4P)					
CP804	RJT057W007-1	CONNECTOR (7P)					
CP805	RJT057W004-1	CONNECTOR (4P)					
		EARTH TERMINAL					
E401	SNE1004-2	GND PLATE					
E701	SNE1004-2	GND PLATE					
		FUSE HOLDER					
FC1, 2	EYF52BC	FUSE HOLDER					
		RELAY					
RL501, 502	RSY0013M-0	RELAY	△				
RL503	RSY0020M-R	RELAY					
RL701	RSY0019M-0	RELAY	△				
		JACK(S)					
JK1	SJS9236	AC INLET	△				
JK401	SJF3068-7N	JACK INPUT					
JK501	RJH4801M-1	SPEAKER TERMINAL	(E, EG)				
JK501	RJH4801M-2	SPEAKER TERMINAL	(EB)				
JK502	RJJ63TA01	HEADPHONES JACK					
JK601	RJSIA7402-1	CONNECTOR, FAN MOTOR					
JK791	RJSID0706	SOCKET (7P)					

Notes : * Capacity values are in microfarads (μF) unless specified otherwise, P=Pico-farads (pF) F=Farads (F)
 * Resistance values are in ohms, unless specified otherwise, 1K=1,000(OHM) , 1M=1,000k(OHM)

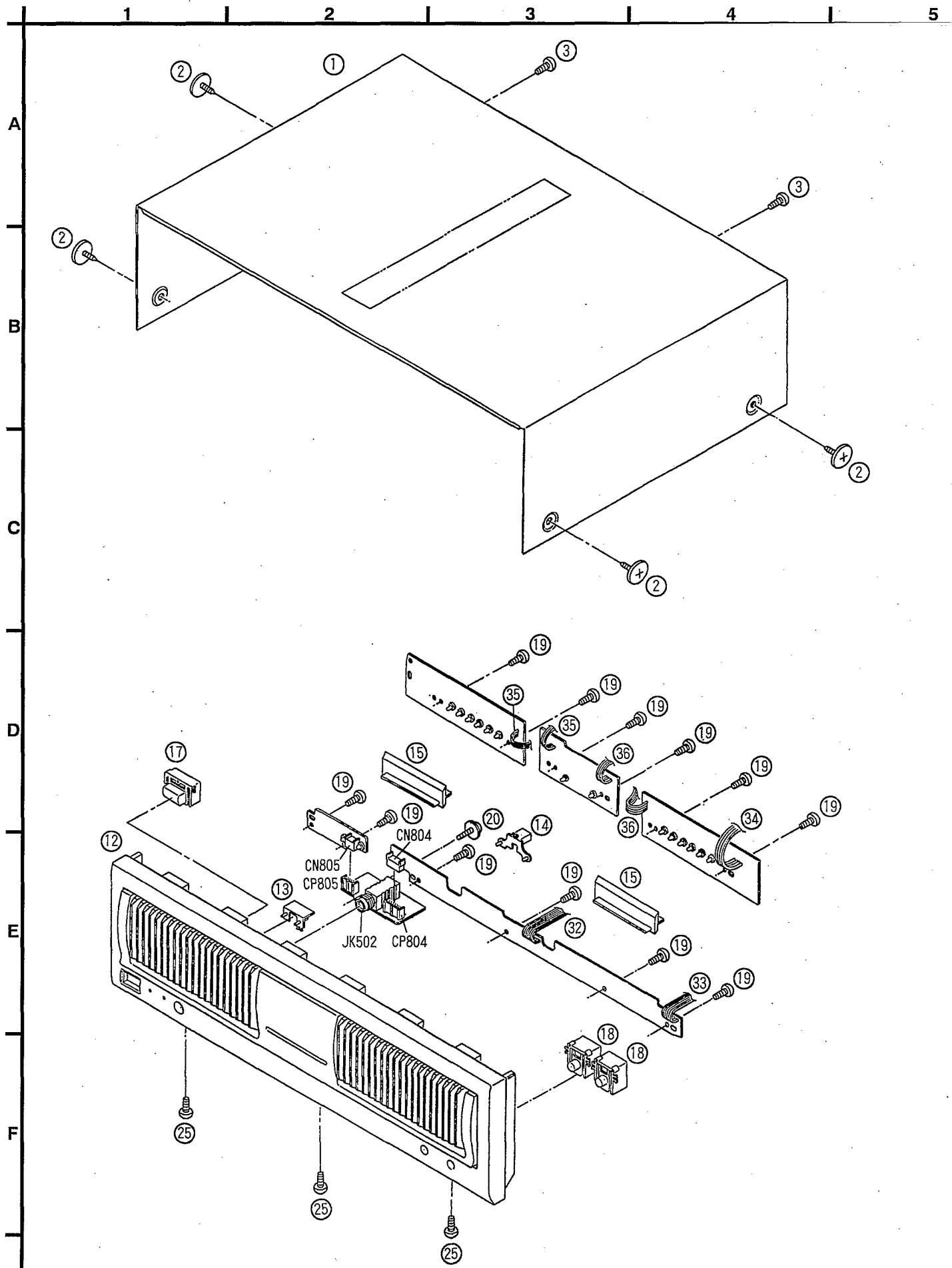
Ref. No.	Part No.	Values & Remarks	Ref. No.	Part No.	Values & Remarks	Ref. No.	Part No.	Values & Remarks
		RESISTORS	R609	ERDS2TJ332	1/4W 3.3K	C401, 402	ECA1HPXS4R7B	50V 4.7U
R401, 402	ERDAS3G122	1/4W 1.2K	R610	ERDS2TJ335T	1/4W 3.3M	C403, 404	ECKD1H471KB	50V 470P
R403, 404	ERDAS3G823T	1/4W 82K	R611	ERDS2TJ473	1/4W 47K	C405, 406	ECA1EPX470TB	25V 47U
R405, 406	ERDAS3G272T	1/4W 2.7K	R612	ERDS2TJ153	1/4W 15K	C407, 408	ECBT1H820KB5	50V 82P
R407, 408	ERDAS3G823T	1/4W 82K	R613	ERDS2TJ473	1/4W 47K	C409, 410	ECCR2H220J5	500V 22P
R411, 412	ERDAF2VJ470T	1/4W 47	R614	ERDS2TJ683	1/4W 68K	C413, 414	ECCV2H070D	500V 7P
R437	ERDS2TJ473	1/4W 47K	R615	ERDS2TJ103	1/4W 10K	C415, 416	ECBT1H102KB5	50V 1000P
R457	ERDAS3G183T	1/4W 18K	R616 Δ	ERDS1FVJ220T	1/2W 22	C426	ECBT1H102KB5	50V 1000P
R459, 460	ERDAF2VJ101T	1/4W 100	R617	ERDS2TJ222	1/4W 2.2K	C427	ECBT1E223ZF	25V 0.022U
R461-464	ERDS2TJ333	1/4W 33K	R618	ERDS2TJ103	1/4W 10K	C428	ECQV1H473JM3	50V 0.047U
R465-468	ERDAF2VJ101T	1/4W 100	R621	ERDS2TJ223	1/4W 22K	C451, 452	ECKR1H333ZF5	50V 0.033U
R469	ERDAS3G103T	1/4W 10K	R622	ERDS2TJ100	1/4W 10	C453-456	ECCV2H680K	500V 68P
R470	ERDAS3G102T	1/4W 1K	R623	ERDS2TJ823T	1/4W 82K	C457-460	RCE1HKA3R3BG	50V 3.3U
R471, 472	ERDS2TJ561	1/4W 560	R701 Δ	ERD25FVJ100T	1/4W 10	C461, 462	ECBT1H102KB5	50V 1000P
R491, 492	ERDAS3G823T	1/4W 82K	R702	ERDS2TJ222	1/4W 2.2K	C463-465	ECBT1H104ZF5	50V 0.1U
R501, 502	ERDS2TJ362T	1/4W 3.6K	R707, 708	ERDAF2VJ6R8T	1/4W 6.8	C491, 492	ECBT1H101KB5	50V 100P
R503, 504	ERDAF2VJ121T	1/4W 120	R721	ERDS2TJ221	1/4W 220	C501-504	ECA0JPKS101B	6.3V 100U
R505, 506	ERDAF2VJ392T	1/4W 3.9K	R731, 732	ERDS2TJ331	1/4W 330	C505, 506	ECQV1H473JM3	50V 0.047U
R507, 508	ERDAF2VJ121T	1/4W 120	R753 Δ	ERDS1FVJ222T	1/2W 2.2K	C507	ECA1EM101B	25V 100U
R513-516	ERDAF2VJ100T	1/4W 10	R763	ERDS2TJ221	1/4W 220	C508	ECA1HM470B	50V 47U
R519, 520	ERX1SJ3R3E	1W 3.3	R771	ERDAF2VJ470T	1/4W 47	C509	ECBA1HN100SB	50V 10U
R521, 522 Δ	ERDS1FVJ100T	1/2W 10	R772 Δ	ERDS1FVJ222T	1/2W 2.2K	C511, 512	ECBT1H560J5	50V 56P
R527	ERDS2TJ223	1/4W 22K	R781 Δ	ERDS1FVJ472T	1/2W 4.7K	C513-518	ECQV1H473JM3	50V 0.047U
R528	ERDS2TJ684	1/4W 680K	R782, 783 Δ	ERDS1FVJ560T	1/2W 56	C519-522	ECQB1H223JF3	50V 0.022U
R529	ERDS2TJ124T	1/4W 120K	R791, 792	ERDAF2VJ1R0T	1/4W 1	C523, 524	ECBT1H102KB5	50V 1000P
R530 Δ	ERDS1FVJ472T	1/2W 4.7K	R793, 794	ERDS2TJ103	1/4W 10K	C525, 526	ECBT1C272KR5	16V 2700P
R531, 532 Δ	ERDS1FVJ100T	1/2W 10	R795, 796	ERDS2TJ105T	1/4W 1M	C527, 528	ECBT1H181KB5	50V 180P
R533, 534	ERDS2TJ103	1/4W 10K	R801	ERDS2TJ221	1/4W 220	C533	ECBT1C103NS5	16V 0.01U
R535	ERDS2TJ562	1/4W 5.6K	R802	ERDS2TJ562	1/4W 5.6K	C601	ECA1HKA2R2B	50V 2.2U
R536	ERDAF2VJ470T	1/4W 47	R803, 804	ERDS2TJ223	1/4W 22K	C602	ECBT1E223ZF	25V 0.022U
R537	ERDAF2VJ101T	1/4W 100	R807, 808	ERDS2TJ223	1/4W 22K	C603	RCE0JKA221BV	6.3V 220P
R544	ERDS2TJ103	1/4W 10K	R809	ERDS2TJ823T	1/4W 82K	C604	RCE1CKA100BG	16V 10U
R545	ERDS2TJ823T	1/4W 82K	R810, 811	ERDS2TJ223	1/4W 22K	C611	RCE0JKA221BV	6.3V 220P
R550, 551	ERDS2TJ222	1/4W 2.2K	R813, 814	ERDS2TJ223	1/4W 22K	C701, 702 Δ	ECESX56822UM	56V 8200U
R555-558	ERG1SJ681E	1W 680	R815, 816	ERDS2TJ391	1/4W 390	C707, 708	ECA1JPXH560B	63V 56U
R559	ERG1SJ152E	1W 1.5K	R817	ERDS2TJ103	1/4W 10K	C709, 710	ECQE2334KFW	250V 0.33U
R560	ERG1SJ182E	1W 1.8K	R821	ERDS2TJ103	1/4W 10K	C711	ECQE2104KF3	250V 0.1U
R561, 562	ERG1SJ151E	1W 150	R822	ERDS2TJ222	1/4W 2.2K	C712	ECBT1C103NS5	16V 0.01U
R563, 564	ERG1SJ181E	1W 180	R823	ERDS2TJ562	1/4W 5.6K	C713	ECKR1H103ZF5	50V 0.01U
R565-570	ERDS2TJ223	1/4W 22K	R824	ERDS2TJ154	1/4W 150K	C714 Δ	ECA1EM102B	25V 1000U
R577, 578	ERDS2TJ682T	1/4W 6.8K	R825	ERDS2TJ223	1/4W 22K	C715, 716	ECBT1C103NS5	16V 0.01U
R579	ERDS2TJ471	1/4W 470	R826	ERDS2TJ102	1/4W 1K	C721	ECA1EKA100B	25V 10U
R601-604	ERDS2TJ223	1/4W 22K	R827	ERDS2TJ223	1/4W 22K	C722	RCE1CKA100BG	16V 10U
R605	ERDS2TJ473	1/4W 47K	R854	ERDS2TJ391	1/4W 390	C723	ECA0JM222B	6.3V 2200P
R606	ERDS2TJ104	1/4W 100K	R931, 932	ERG1SJ271E	1W 270	C751 Δ	ECKWNS102MBM	500V 1000P
R607	ERDS2TJ103	1/4W 10K	R933 Δ	ERDS1FVJ101T	1/2W 100	C762	ECA1EKA100B	25V 10U
R608	ERDS2TJ223	1/4W 22K			CAPACITORS	C763	RCE1CKA100BG	16V 10U
						C764	ECA0JM222B	6.3V 2200P
						C777	ECA1JPX470TB	63V 47U

Ref. No.	Part No.	Values & Remarks	Ref. No.	Part No.	Values & Remarks	Ref. No.	Part No.	Values & Remarks
C778	ECA1EPX470TB	25V 47U	C795-798	ECA1EPXS470B	25V 47U	C805	RCE1CKA100BG	16V 10U
C781	ECBT1H102KB5	50V 1000P	C799	ECKR2H103ZU	500V 0.01U	C807	RCE1CKA100BG	16V 10U
C782, 783	ECEA1EKA100B	25V 10U	C801	ECBT1H104ZF5	50V 0.1U	C808-810	ECBT1H104ZF5	50V 0.1U
C791, 792△	ECA1VPT102ZE	35V 1000P	C802	RCE1CKA100BG	16V 10U	C821 △	ECEA1EKA100B	25V 10U
C793, 794	ECEA1HBZ4R7B	50V 4.7U	C804	ECBT1H104ZF5	50V 0.1U	C855	ECBT1C103NS5	16V 0.01U

Note: The reference number SA represent the grease and tool used for this unit.

Ref. No.	Part No.	Part Name & Description	Remarks	Ref. No.	Part No.	Part Name & Description	Remarks
		CABINET PARTS					
1	RKM0219F-K	CABINET		34	RWJ1804130KX	FLAT CABLE (4P) (W851)	
2	SNE2129-1	SCREW		35	RWJ1803100KK	FLAT CABLE (3P) (W852)	
3	XTBS3+8JFZ1	SCREW		36	RWJ1804100KX	FLAT CABLE (4P) (W853)	
4	REMO020-1	FAN ASS'Y		38	RMG0332-K	RUBBER	
4-1	MDN-4RB4MRC	FAN MOTOR				PACKING MATERIALS	
4-2	RMQ0208-K	FAN MOTOR COVER		P1	RPG2622	PACKING CASE	(E, EG)
4-3	RMQ0209-K	FAN CASE		P1	RPG2623	PACKING CASE	(EB)
4-4	RMQ0212-K	FAN TERMINAL		P2	RPQ0573	SPACER	
4-5	SHE232-1	FAN		P3	RPQ0553	SPACER	
4-6	SUS271	SPRING		P4	RPG2618	PACKING CASE	
5	RGR0227A-A	REAR PANEL	(E, EG)	P5	RPG2617	PACKING CASE (SU-C800U)	
5	RGR0227B-A1	REAR PANEL	(EB)	P6	RPN0752	PAD	
6	RKA0053-A	FOOT		P7	RPN0917	PAD (SU-C800U)	
7	RKQ0089	P. C. B. SUPPORT		P8	SPP730	PROTECTION COVER	
8	RMC0158	TRANSISTOR HOLDER		P9	SPP756	PROTECTION COVER (SU-C800U)	
9	RMK0200-3	BOTTOM SHASSIS		P10	RPQ0164	PAD	
10	RMN0217	HOLDER		P11	RPF0139	PROTECTION COVER	
11	RMZ0354	COVER		P12	RPH0032	MIRROR SHEET	(EB)
12	RFKGEA800SEK	FRONT PANEL ASS'Y				ACCESSORIES	
13	RGLO301-Q	PANEL LIGHT A		A1	RAK-SU180WH	REMOTE CONTROL TRANSMITTER	
14	RGLO302-Q	PANEL LIGHT B		A1-1	RKK0057-K	BATTERY COVER	
15	RGLO303-Q	PANEL LIGHT C		A2	RQA0013	WARRANTY CARD	
16	XTW3+15T	SCREW		A3	RQCB0169	SERVICE CENTER LIST	
17	RGU1270-K	BUTTON, POWER		A4	RFKSEA800SEK	INSTRUCTION MANUAL	(E)
18	RGU1271-K	BUTTON, SPEAKER		A4	RQT3100-E	INSTRUCTION MANUAL	(EG)
19	RHD26017	SCREW		A4	RQT3101-B	INSTRUCTION MANUAL	(EB)
20	RHD26018	SCREW		A5	RJA0019-2K	AC POWER SUPPLY CORD	△ (SF) (E, EG)
22	SHR8006	SPACER		A5	VJA0733	AC POWER SUPPLY CORD	△ (SF) <VRD> (EB)
23	SHR9112	SPACER		A6	SJP2276	PIN CORD	
24	SHR9814	CLAMPER		A7	RJL60001B10	AMP. CONNECTION CABLE	
25	XTBS3+8JFZ1	SCREW				GREASE OR JIG/TOOL	
26	XTB3+20JFZ	SCREW					
27	XTB3+6G	SCREW		SA1	RFKX0002	COMPOUND GREASE	
28	XTB3+8JFZ	SCREW					
29	RWJ3906440QQ	FLAT CABLE (6P) (W701)					
30	RWJ1805480XX	FLAT CABLE (5P) (W702)					
31	RWJ3905390QQ	FLAT CABLE (5P) (W703)					
32	RWJ1807220KX	FLAT CABLE (7P) (W801)					
33	RWJ1803090KX	FLAT CABLE (3P) (W802)					

Cabinet Parts Location



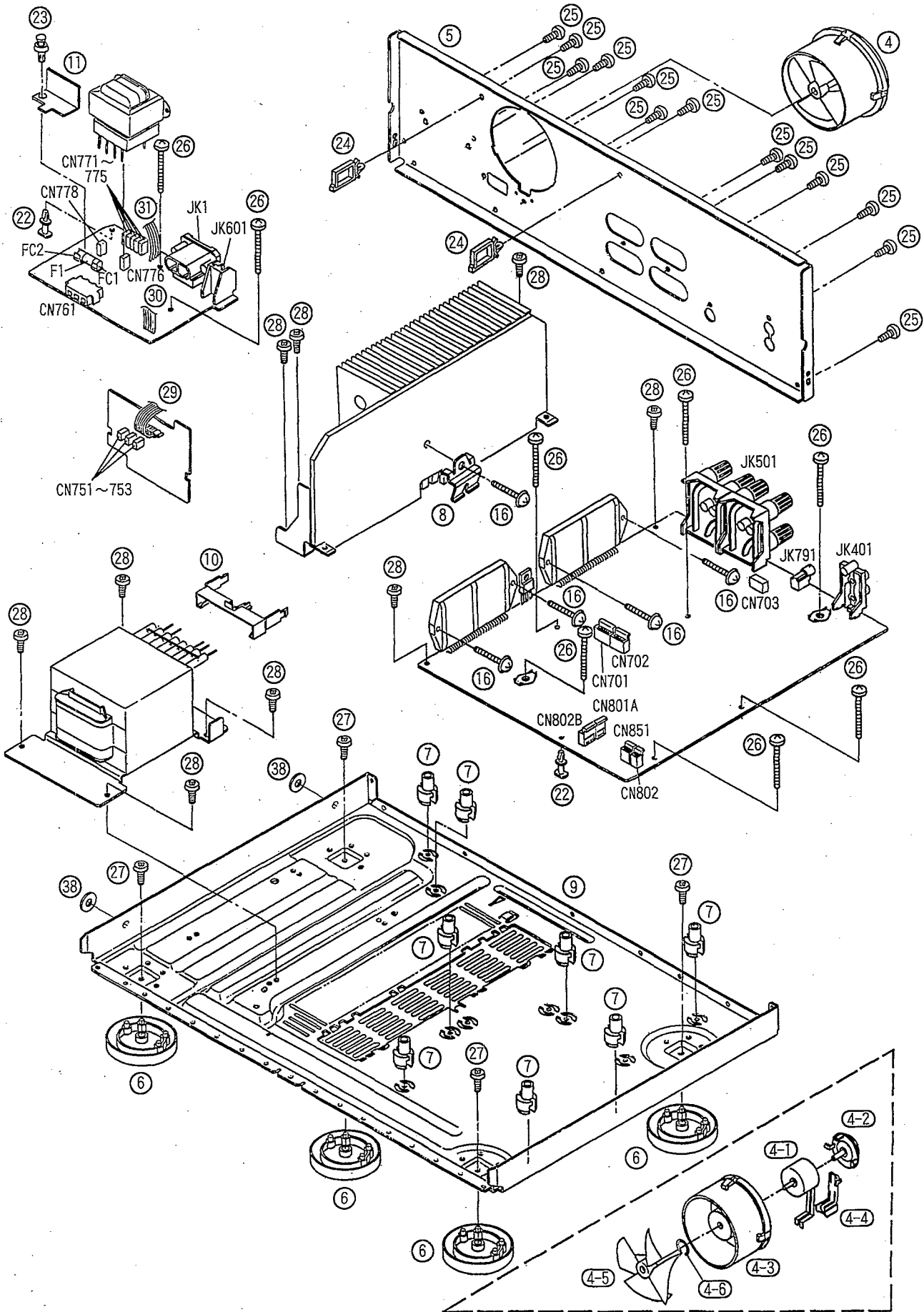
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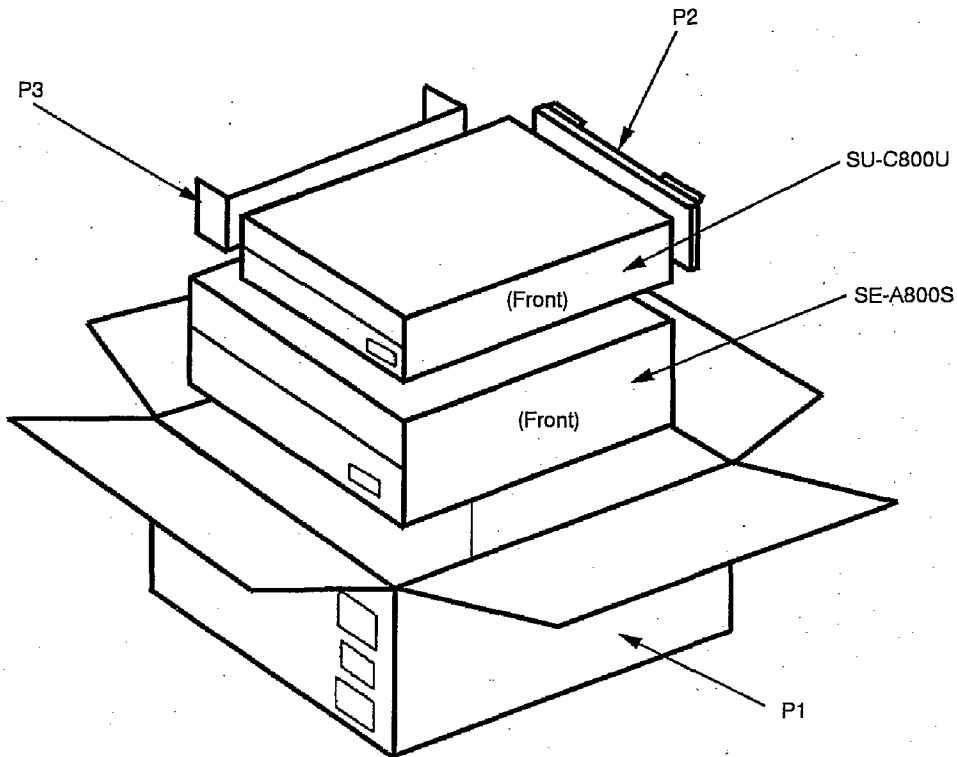
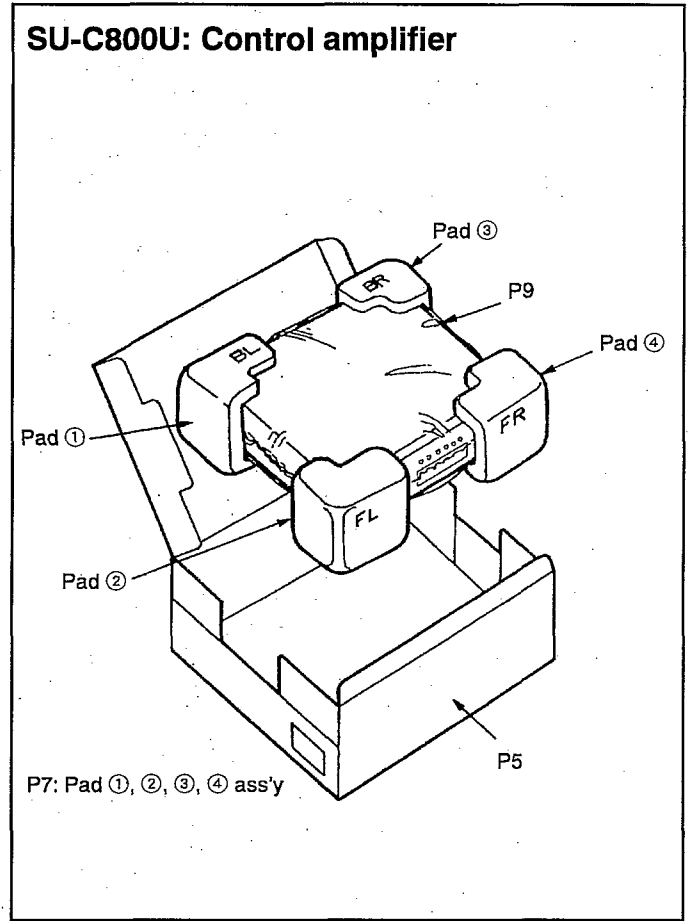
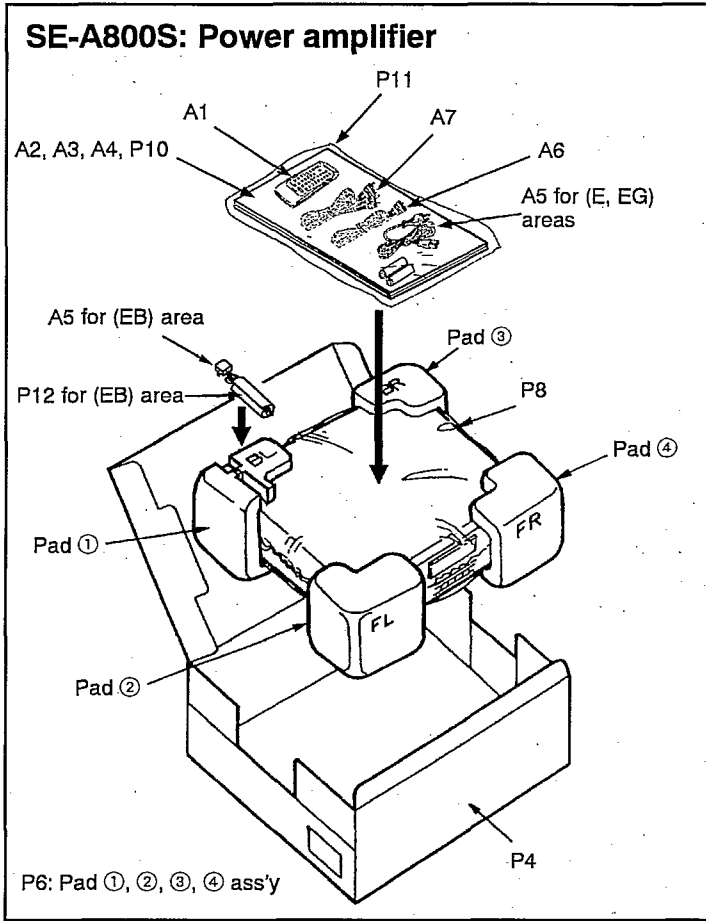
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■ Packaging



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