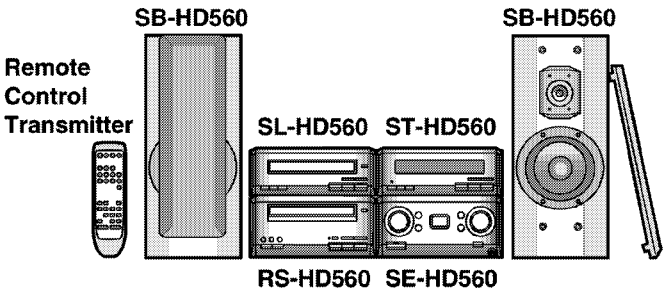
ORDER No.AD0203061C2

Service Manual

Amplifier



SE-HD560E
SE-HD560EB
SE-HD560EG
SE-HD560EP

Colour

(N).....Gold Type

System

SC-HD560:

Tuner; ST-HD560, Amplifier; SE-HD560,

CD Player; SL-HD560, Cassette Deck; RS-HD560,

Speakers; SB-HD560 (Made in Spain.)

Specifications

IAmplifier section (Low frequency)	
Power output:	
DIN 1 kHz, THD 1%	
both channels driven;	2x23W (6Ω)
RMS 1 kHz, THD 10 %	
both channels driven;	2x30W (6Ω)
Total hormonic distortion:	
Half power at 1 kHz;	0.07 % (6Ω)
Load impedance:	6Ω
IAmplifier section (High frequency)	
Power output:	
DIN 10 kHz, THD 1 %, both channels driven;	2x7 W (6Ω)
RMS 10 kHz, THD 10%, both channels driven;	2x10 W (6Ω)
Load impedance:	6Ω
S/N:	
(E), (EG), (EP) areas;	83dB
(EB) area;	78dB
IHeadphones	
Jack type:	3.5 mm STEREO
Load impedance:	16 - 32 Ω
IGeneral	
Power supply:	
(E), (EG), (EP) areas;	AC 230 V, 50 Hz
(EB) area;	AC 230 - 240 V, 50 Hz
Power consumption:	130 W
STANDBY condition:	0.9 W
Dimensions (WxHxD):	210x104.8x309 mm
Mass:	3.4 kg

Notes:

- Specifications are subject to change without notice.
- Mass 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.

Technics

CONTENTS

1 Note

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

2 Before Repair

1. Turn off the power supply. Using a 10 Ω, 10 W resistor, connect both ends of power supply capacitors (C601, C602) 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 respectto supply voltage 230/240 V.

Power supply voltage	AC 230 V	AC 240 V
Consumed current 50 Hz	50 - 180 mA	

3 Protection Circuitry

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

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

The functions 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 bellow:

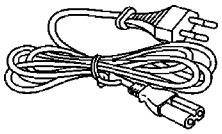
1. Press the Standby/on button, switch to standby mode.
2. Determine the cause of the problem and correct it.
3. Press the Standby/on button once again, supply the power.

Note:

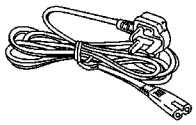
When the protection circuitry functions, the unit will not operate unless the Standby/on button is first switched Standby and then ON again.

4 Accessories

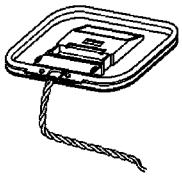
- AC power supply cord for (E), (EG), (EP) areas
  (RJA0019-2X).....1 pc.



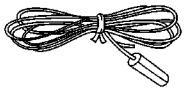
- AC power supply cord for (EB) area
  (RJA0053-3X).....1 pc.



- AM loop antenna set
  (RSA0033B-1).....1 pc.

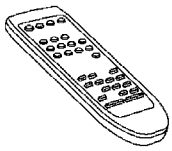


- FM indoor antenna
  (RSA0007).....1 pc.

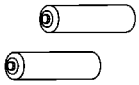


- Speaker cords
  (REE1195).....2 pcs.

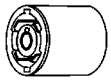
- Remote control transmitter
  (EUR7702010).....1 pc.



- Remote control batteries
  (R6/LR6, AA, UM-3).....2 pcs.
  Note: These are available on sales route.



- Antenna plug adaptor for (EB) area
  (SJP9009).....1 pc.



5 Caution for AC Mains Lead

(For United Kingdom)

("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 these colours may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:
The wire which is coloured Blue must be connected to the terminal which is marked with the letter N or coloured Black or Blue.
The wire which is coloured Brown must be connected to the terminal which is marked with the letter L or coloured Brown or Red.

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

THIS PLUG IS NOT WATERPROOF—KEEP DRY.

Before use

Remove the connector cover.

How to replace the fuse

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

1. Open the fuse cover with a screwdriver.

Figure A

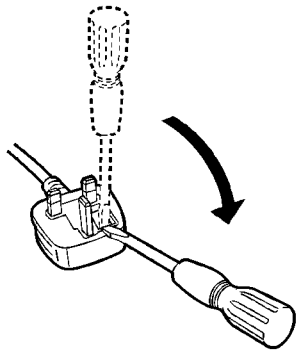
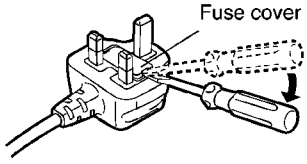


Figure B



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

Figure A

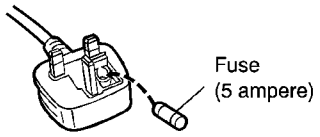
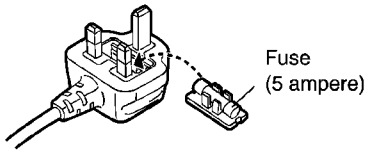
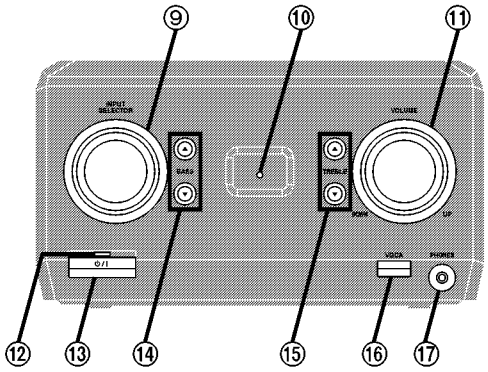


Figure B



6 Location of Controls

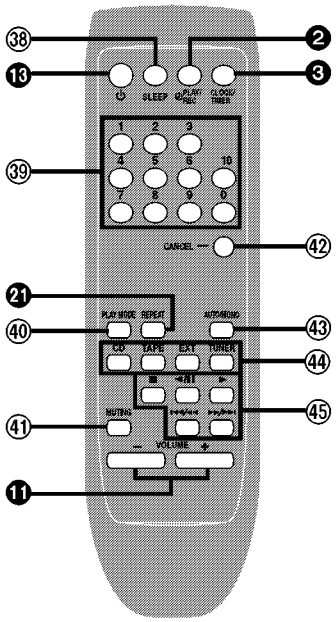
A



A Amplifier

⑨ **Input selector (INPUT SELECTOR)**
⑩ **VGCA indicator (VGCA)**
⑪ **Volume control (VOLUME)**
⑫ **Standby indicator**
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.
⑬ **Standby/on switch (⏻/I)**
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.
⑭ **Bass buttons (BASS ▲, ▼)**
⑮ **Treble buttons (TREBLE ▲, ▼)**
⑯ **VGCA (variable gain control amplifier) button (VGCA)**
⑰ **Headphone jack (PHONES)**

B



B Remote control

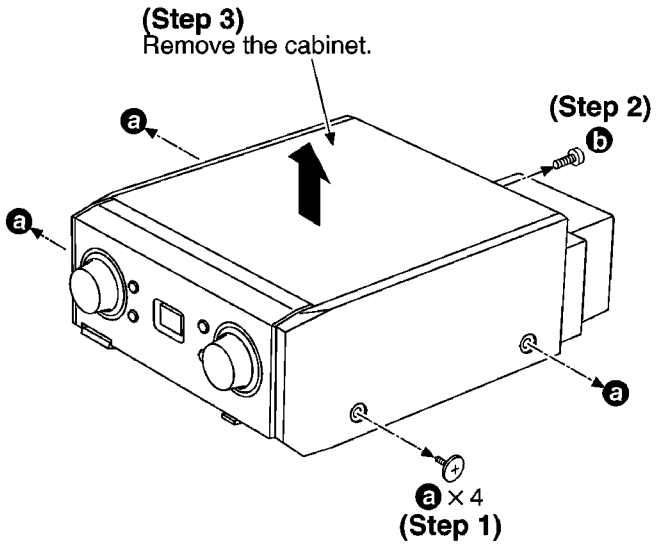
Buttons ❷, ❸, ⓫, ⓭, and ㉑ function in the same way as the controls on the main unit.

㊳ **Sleep timer button (SLEEP)**
㊴ **Numbered buttons**
㊵ **Play mode button (PLAY MODE)**
㊶ **Muting button (MUTING)**
㊷ **Cancel button (CANCEL)**
㊸ **FM mode button (AUTO/MONO)**
㊹ **Input select buttons (CD, TAPE, EXT, TUNER)**
㊺ **Basic operating buttons**
Function changes according to the source.

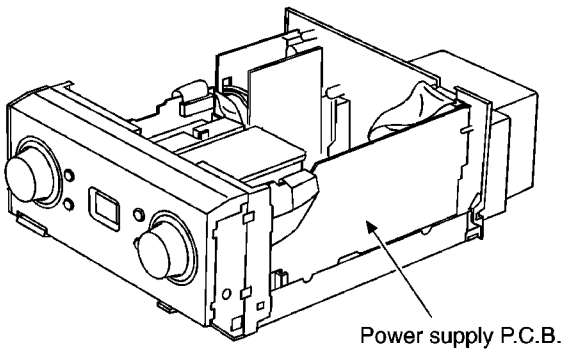
7 Operation Checks and Component Replacement Procedures

- **This section describes procedures for checking the operation of the major printed circuit boards and replacing the main components.**
- **For reassembly after operation checks or replacement, reverse the respective procedures. Special reassembly procedures are described only when required.**

7.1. Checking for the power supply P.C.B.

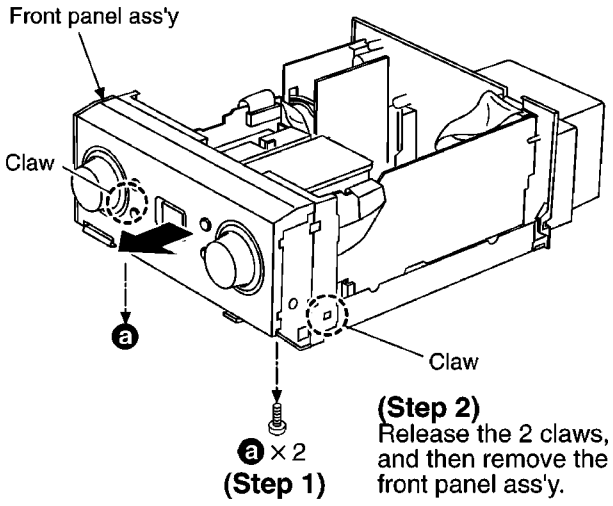


- **Check the power supply P.C.B. as shown below.**

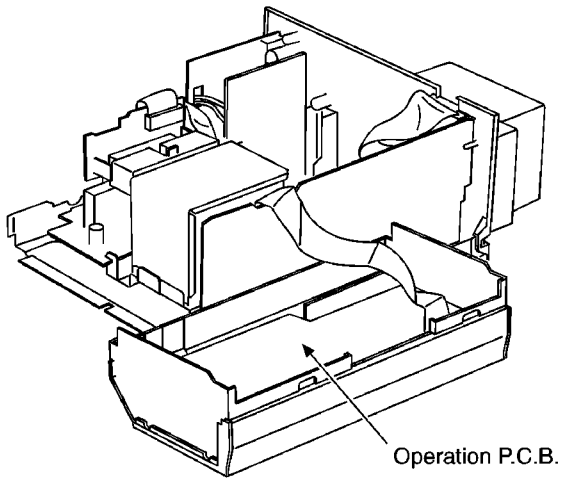


7.2. Checking for the operation P.C.B.

- Follow the **(Step 1)** - **(Step 3)** of item 7.1.

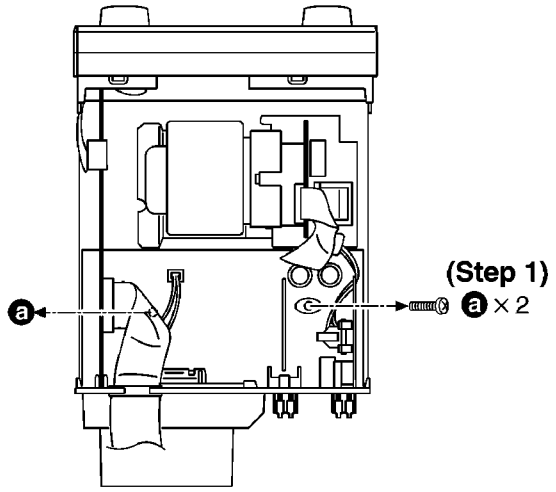


- **Check the operation P.C.B. as shown below.**

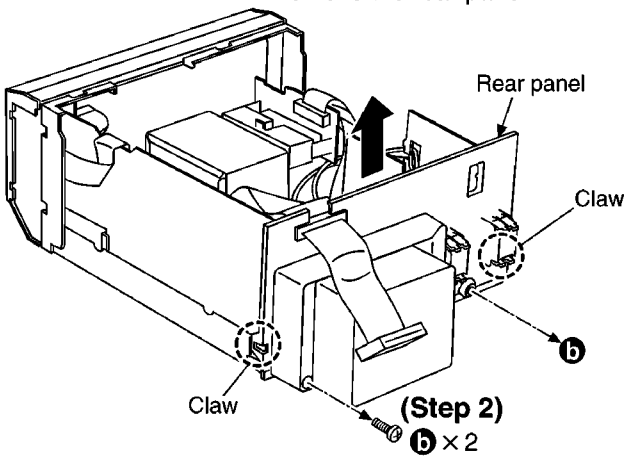


7.3. Checking for the main P.C.B.

· Follow the **(Step 1)** - **(Step 3)** of item 7.1.

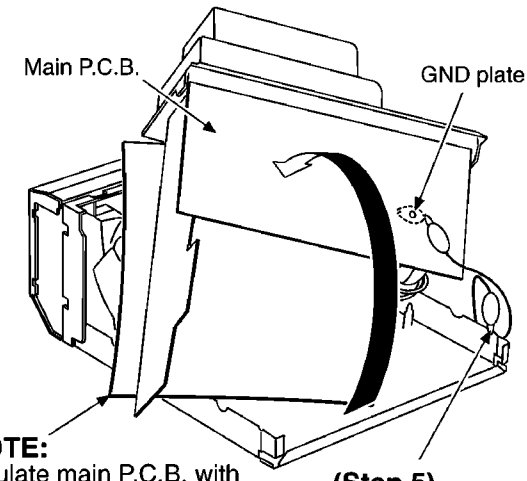


(Step 3)
Release the 2 claws, and then remove the rear panel.



· **Check the main P.C.B. as shown below.**

(Step 4)
Turn the rear panel, power supply P.C.B. and main P.C.B., and then put on the them to front panel ass'y.



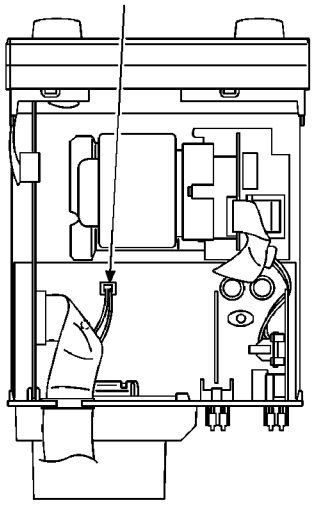
NOTE:
Insulate main P.C.B. with insulation material to avoid short-circuit.

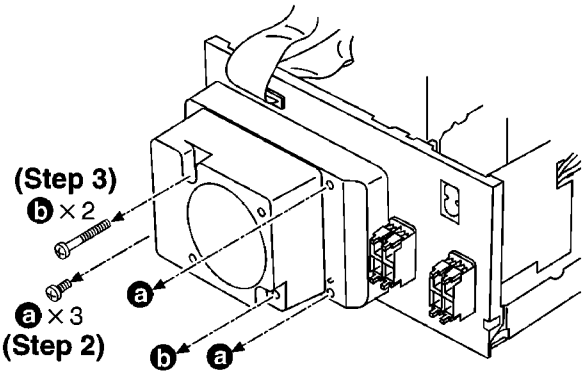
(Step 5)
Connect the lead wire.

7.4. Replacement for the fan motor ass'y

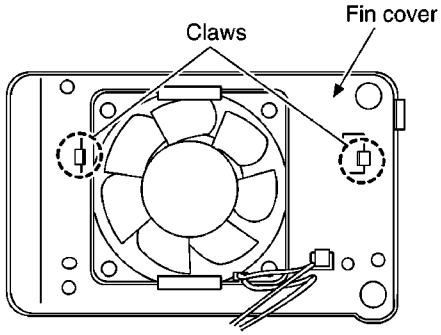
· Follow the **(Step 1)** - **(Step 3)** of item 7.1.

(Step 1)
Remove the connector (CN201).

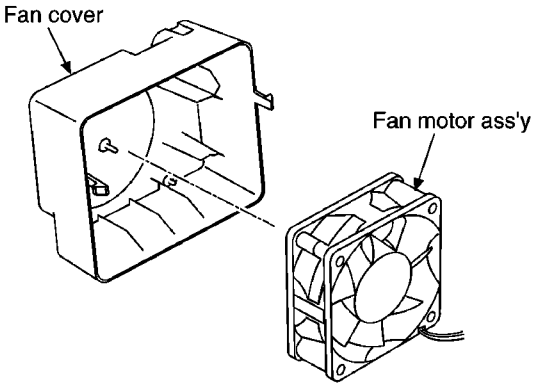




(Step 4)
Release the 2 claws, and then remove the fin cover.



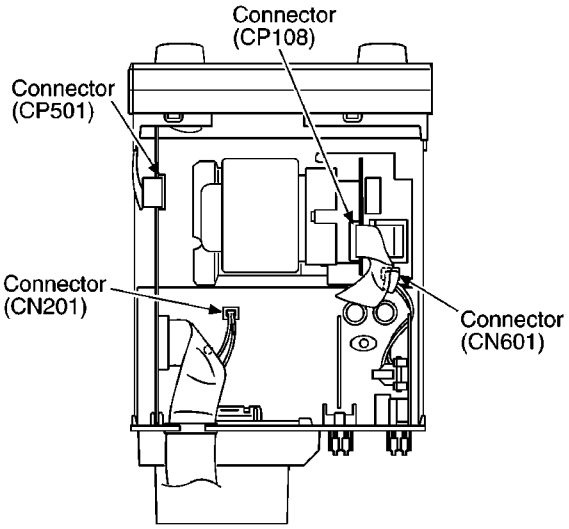
(Step 5)
Remove the fan motor from fan cover.

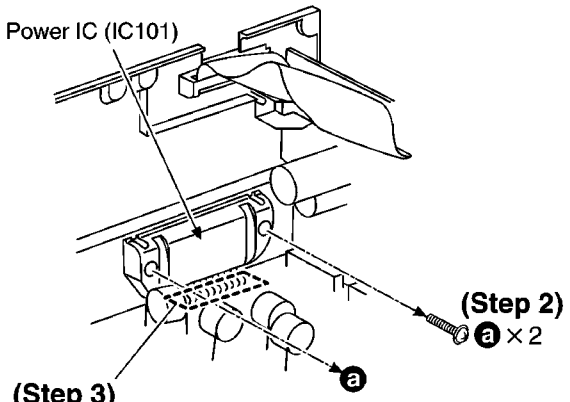


7.5. Replacement for the power IC

- Follow the **(Step 1)** - **(Step 3)** of item 7.1.
- Follow the **(Step 1)** - **(Step 3)** of item 7.3.

(Step 1)
Remove the 4 connectors.





(Step 3)
Unsolder the terminals of power IC.

NOTE:
When mountiong the power IC apply silicone conpound (RFKX0002) to the rear side of power IC.

8 To Supply Power Source and Signal Check

To operate this unit SE-HD560 normally, it is necessary to connect to the unit ST-HD560. When operating the unit SE-HD560, be sure to connect to the unit ST-HD560 by connection cable.

1. Connect with the Tuner (ST-HD560). Refer to Fig. 8-1.
2. Connect the AC power supply cord to the Amplifier (SE-HD560). Refer to Fig. 8-1.
3. Connect the speakers to speaker terminal. Refer to Fig. 8-1.
4. Turn on the power of the Amplifier (SE-HD560).
5. Set INPUT SELECTER to select the external source (EXT) of the Amplifier (SE-HD560).
6. Input a sound signal to external input terminal of the Tuner (ST-HD560), and confirm to be outputted from the speaker. (Both High and Low.)

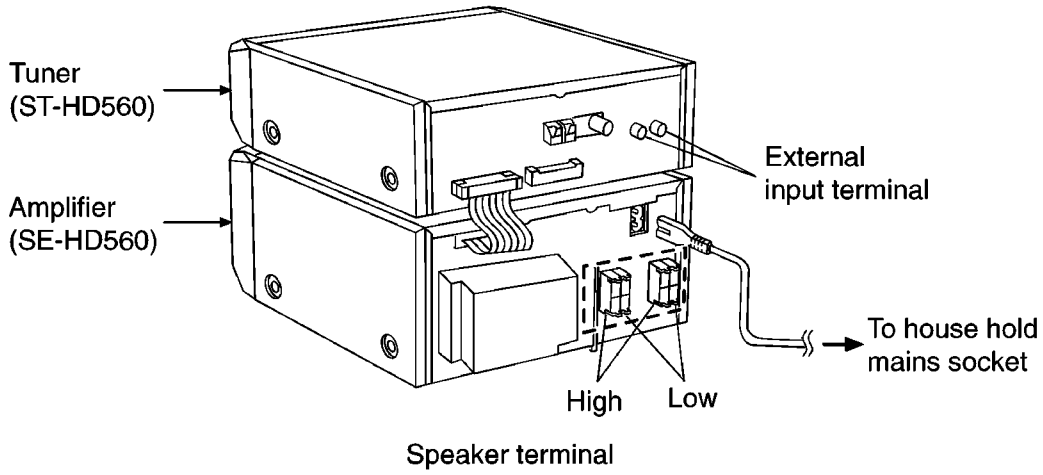


Fig. 8-1.

9 Schematic Diagram Notes

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

Notes:

S501:	Power standby/on switch (⏻ /I)
S503:	Bass down switch (BASS ▼)
S504:	Bass up switch (BASS ▲)
S505:	VGCA (variable gain control amplifier) switch (VGCA)
S506:	Treble down switch (TREBLE ▼)
S507:	Treble up switch (TREBLE ▲)
VR501:	Input selector VR (INPUT SELECTOR)
VR502:	Volume control VR (VOLUME)

- 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 theinternal impedance of the DC circuit tester.

  No mark : Power ON

- Important safety notice:

  Components identified by ⚠ 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.

- The supply part number is described alone in the replacement 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.

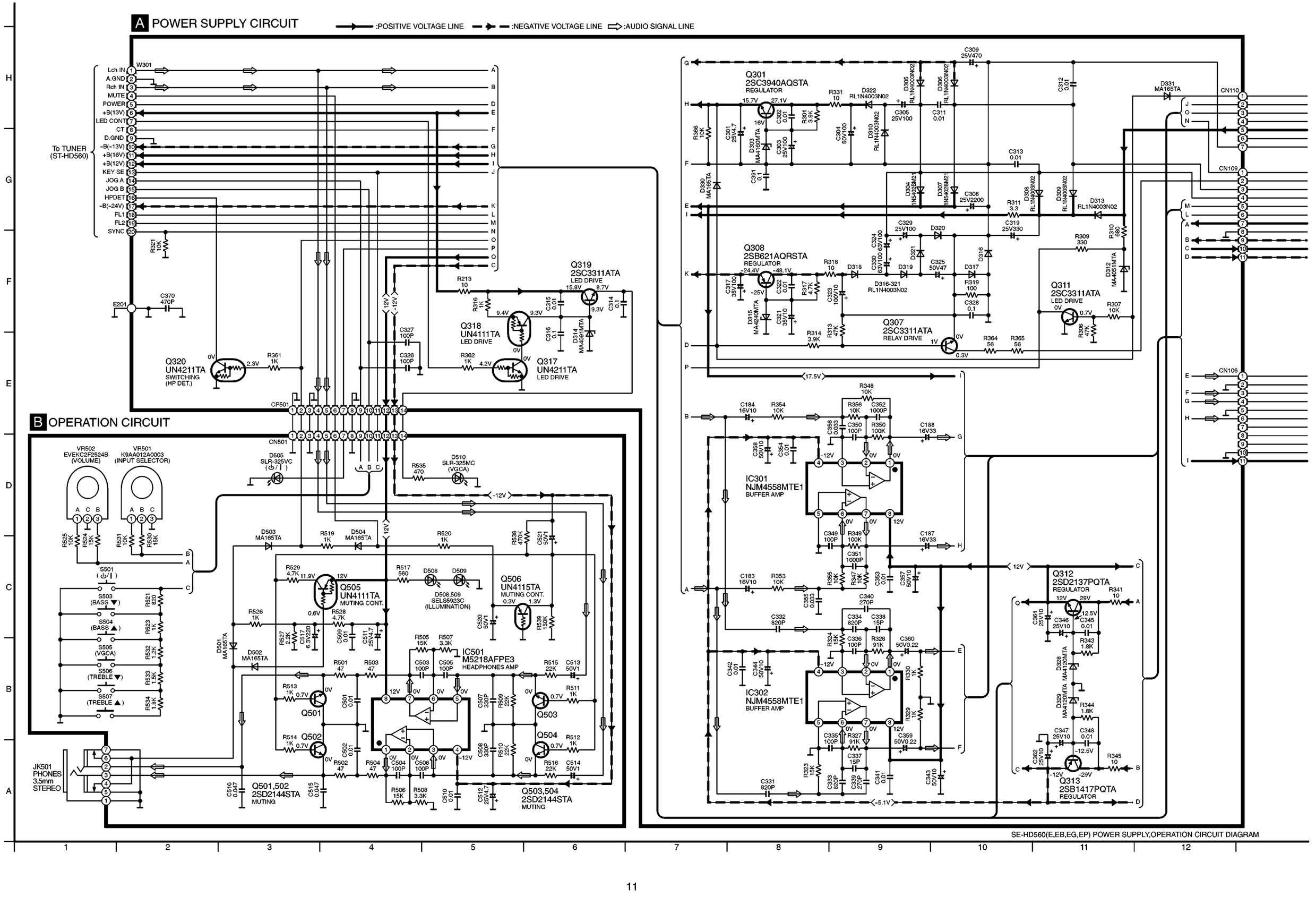
- Voltage and signal line

  : Positive voltage line

  : Negative voltage line

  : Audio signal line

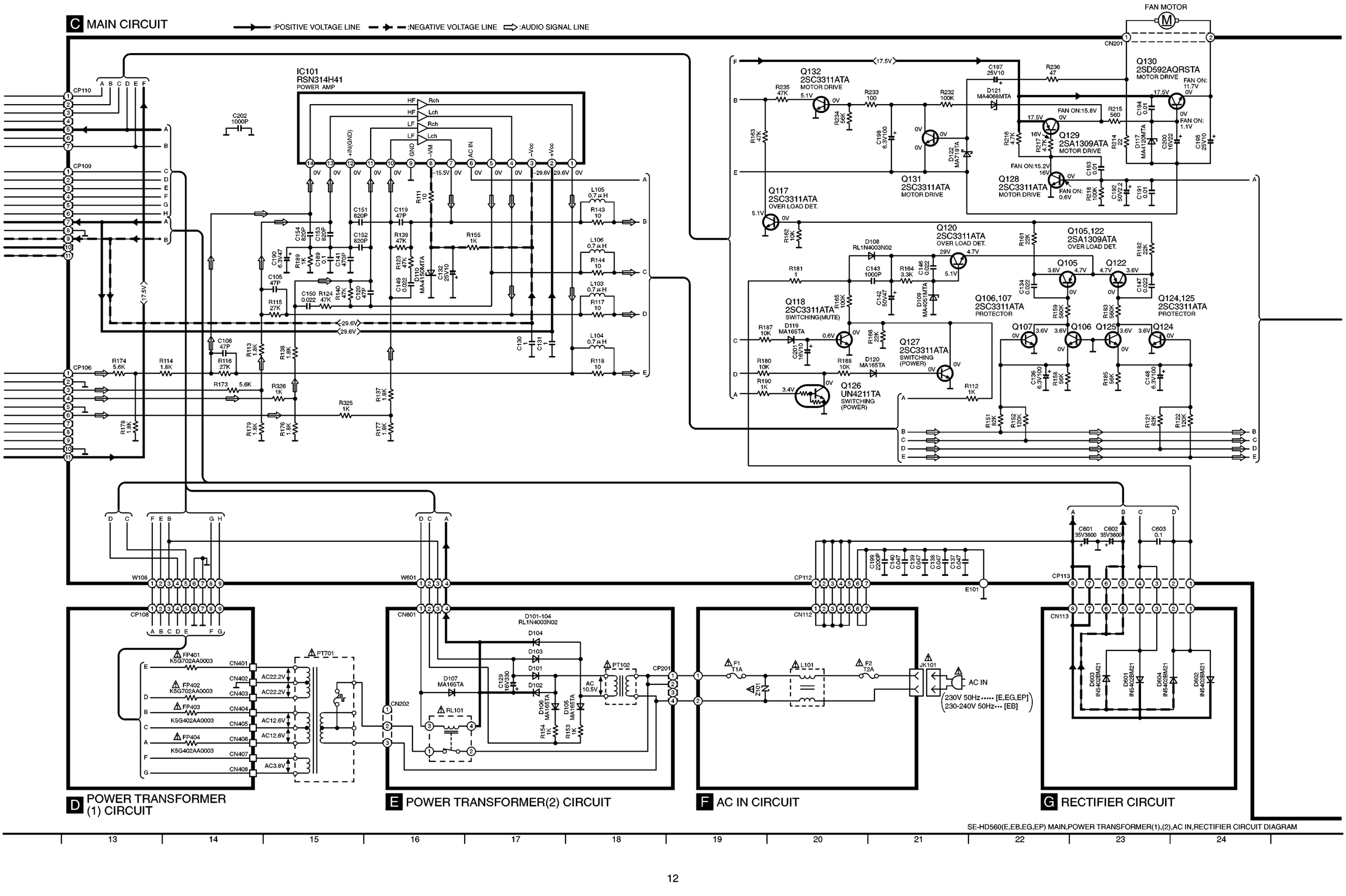
10 Schematic Diagram



SE-HD560(E,EB,EG,EP) POWER SUPPLY,OPERATION CIRCUIT DIAGRAM

C MAIN CIRCUIT

:POSITIVE VOLTAGE LINE :NEGATIVE VOLTAGE LINE :AUDIO SIGNAL LINE



D POWER TRANSFORMER (1) CIRCUIT

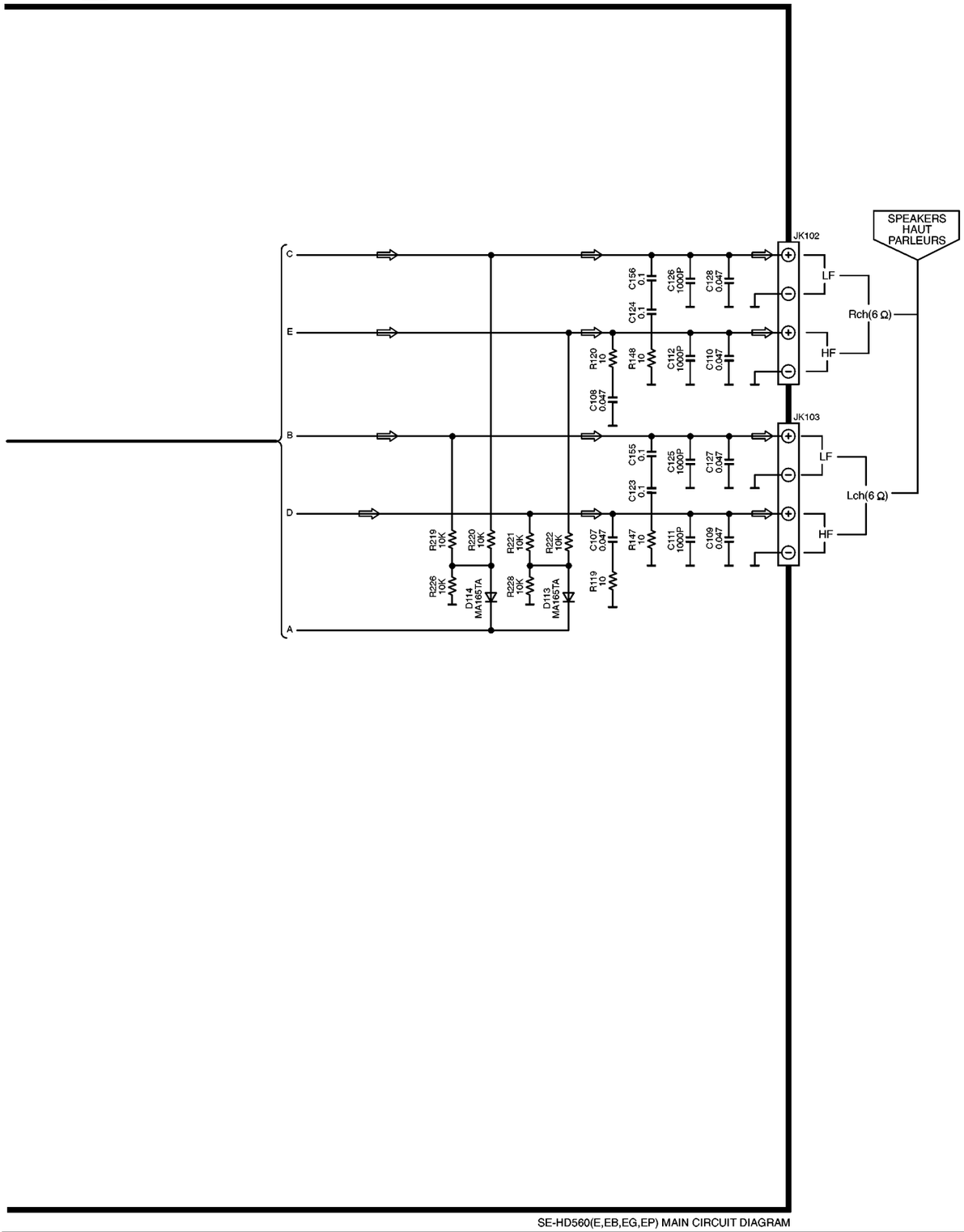
E POWER TRANSFORMER(2) CIRCUIT

F AC IN CIRCUIT

G RECTIFIER CIRCUIT

SE-HD560(E,EB,EG,EP) MAIN,POWER TRANSFORMER(1),(2),AC IN,RECTIFIER CIRCUIT DIAGRAM

C MAIN CIRCUIT :POSITIVE VOLTAGE LINE :NEGATIVE VOLTAGE LINE :AUDIO SIGNAL LINE

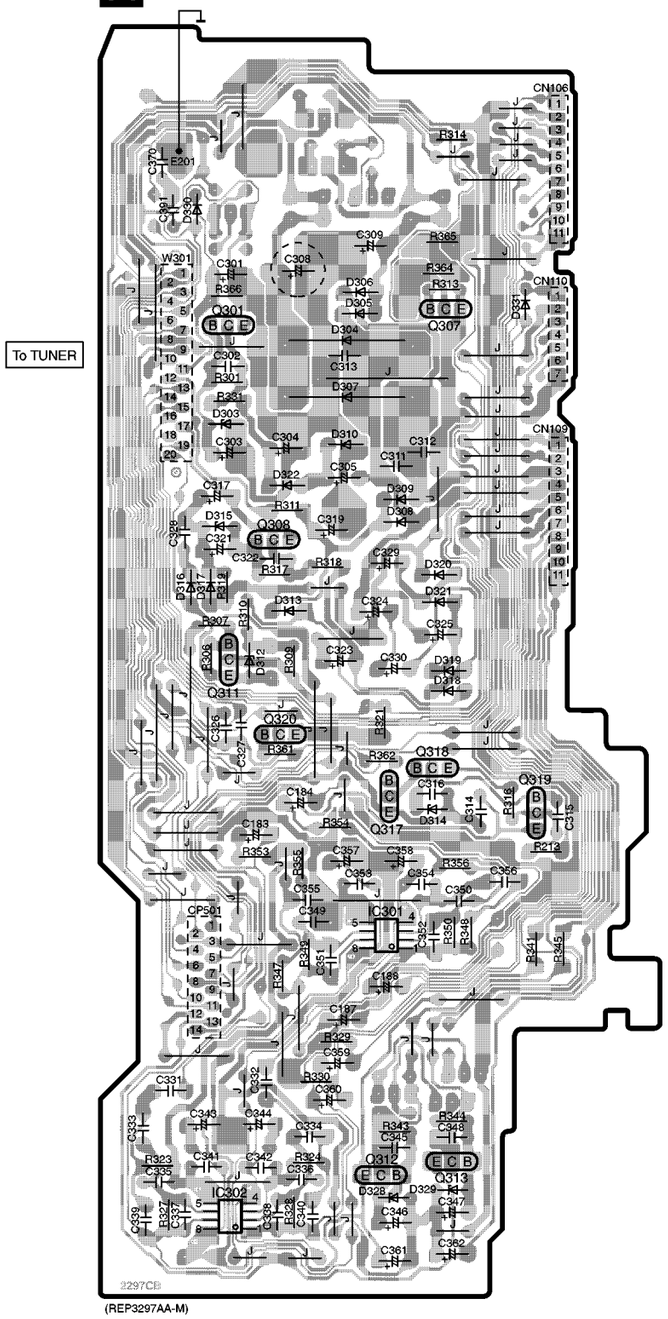


SE-HD560(E,EB,EG,EP) MAIN CIRCUIT DIAGRAM

11 Printed Circuit Board Diagram

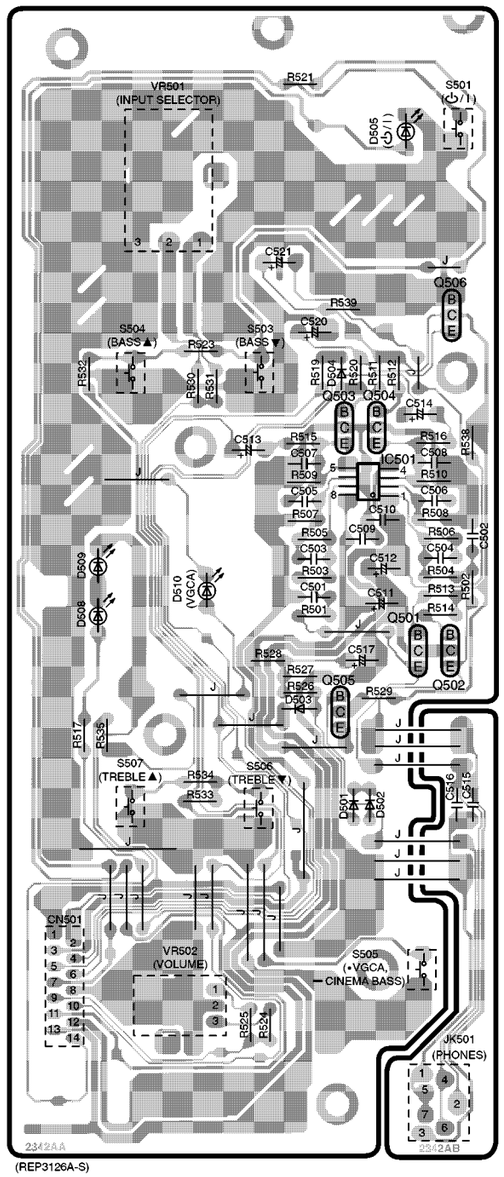
Note: This printed circuit board diagram may be modified at any time with the development of new technology.

A POWER SUPPLY P.C.B.



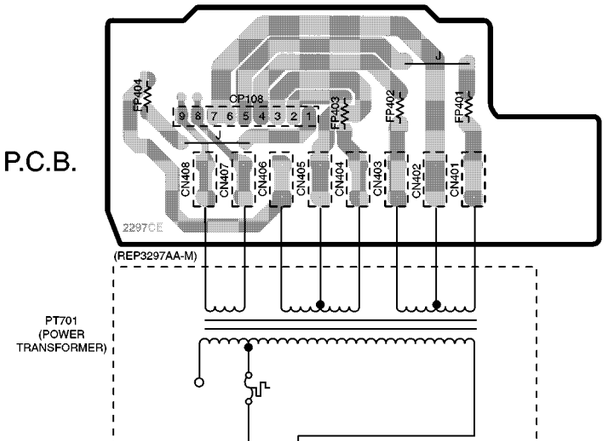
(REP3297AA-M)

B OPERATION P.C.B.



(REP3126A-S)

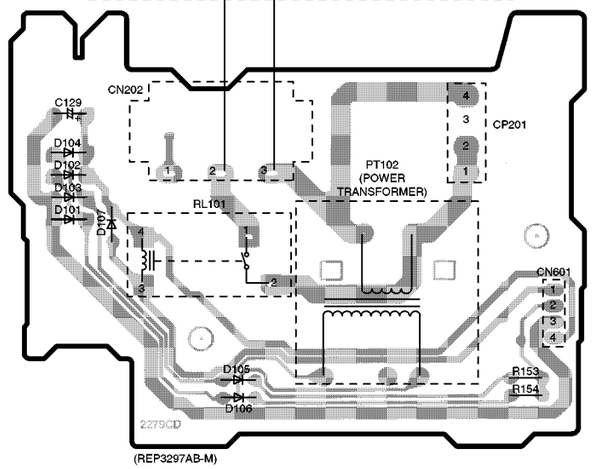
D POWER TRANSFORMER(1) P.C.B.



(REP3297AA-M)

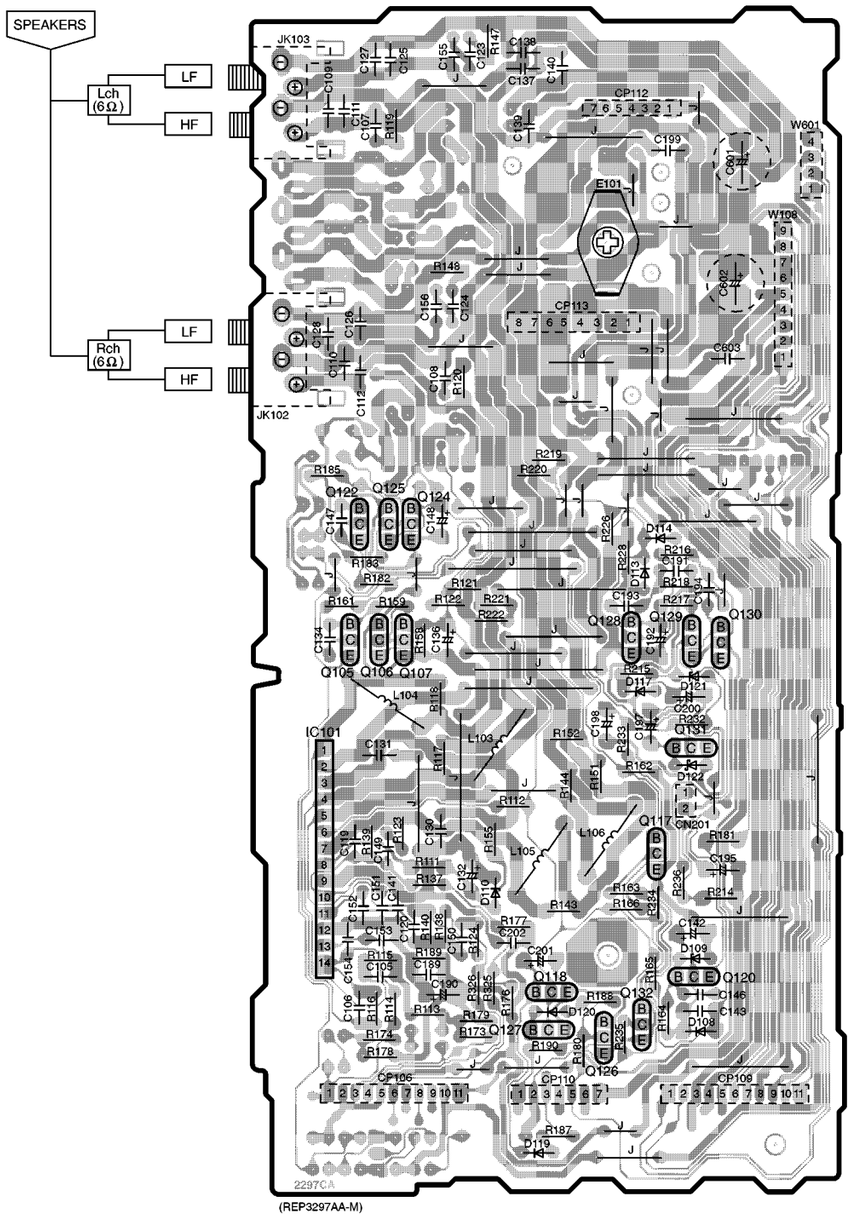
PT701
(POWER
TRANSFORMER)

E POWER TRANSFORMER(2) P.C.B.

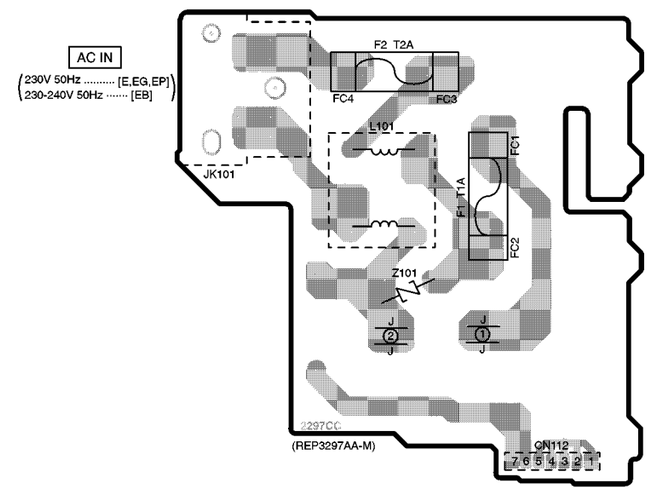


(REP3297AB-M)

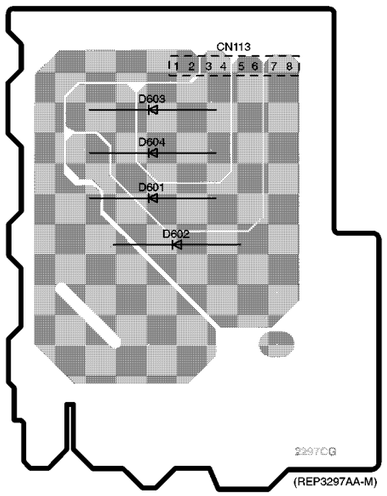
C MAIN P.C.B.



F AC IN P.C.B.



G RECTIFIER P.C.B.



SE-HD560(E,EB,EG,EP) MAIN, AC IN, RECTIFIER P.C.B.

12 Type Illustration of ICs, Transistors and Diodes

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 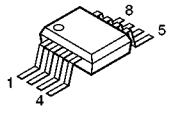 </td>
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 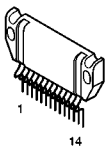 </td>
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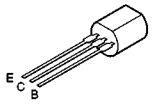
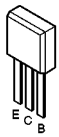
  </td>
<td> 
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 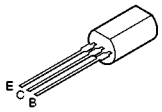 </td>
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 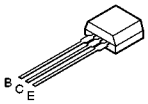 </td>
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 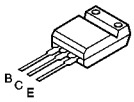 </td>
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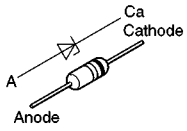
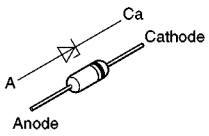
  </td>
<td> 
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 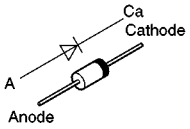 </td>
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 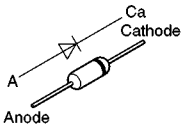 </td>
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 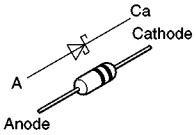 </td>
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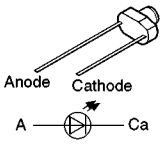
SLR-325VC
  </td>
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 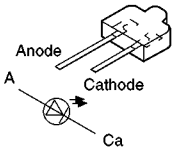 </td>
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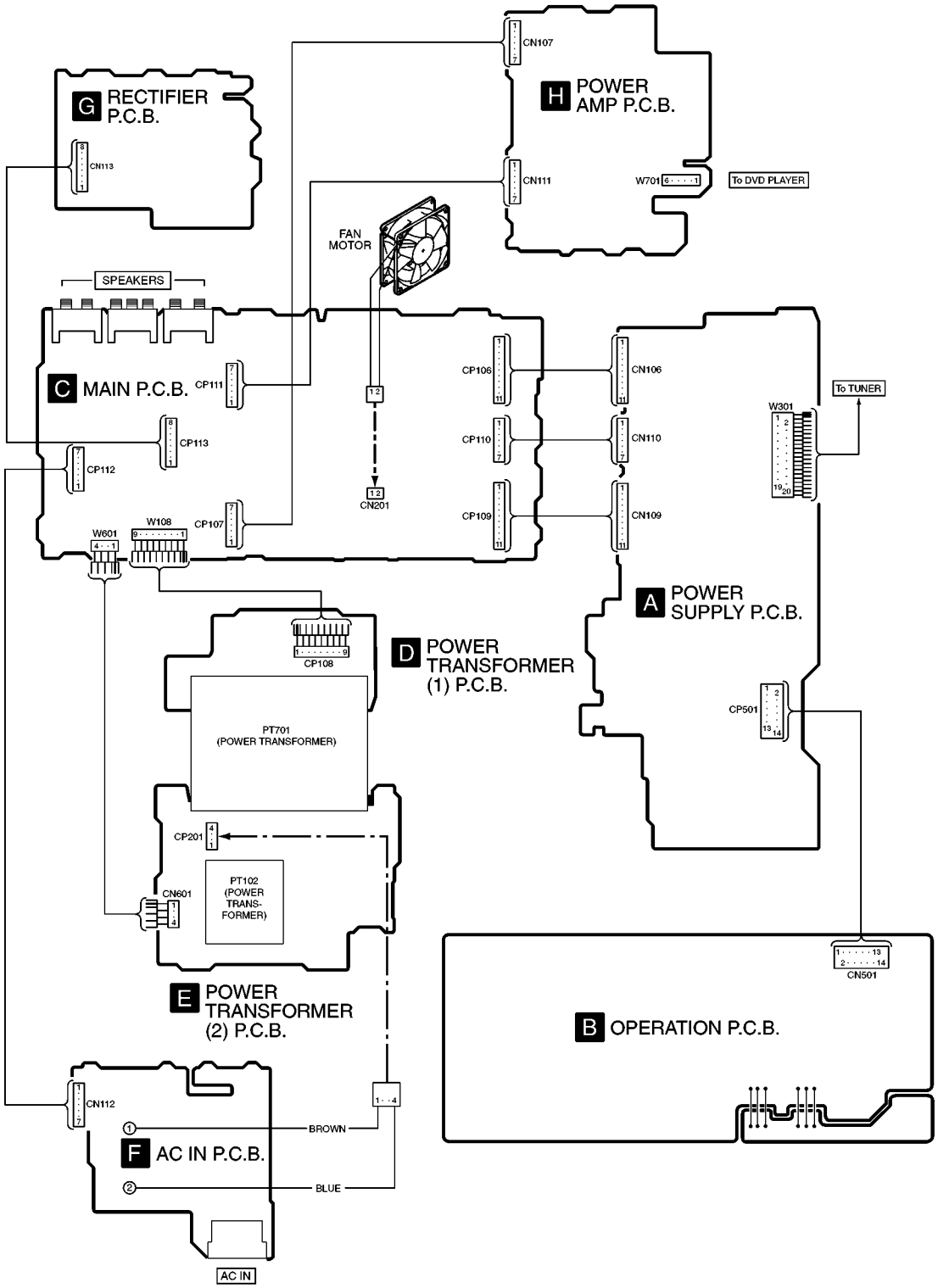
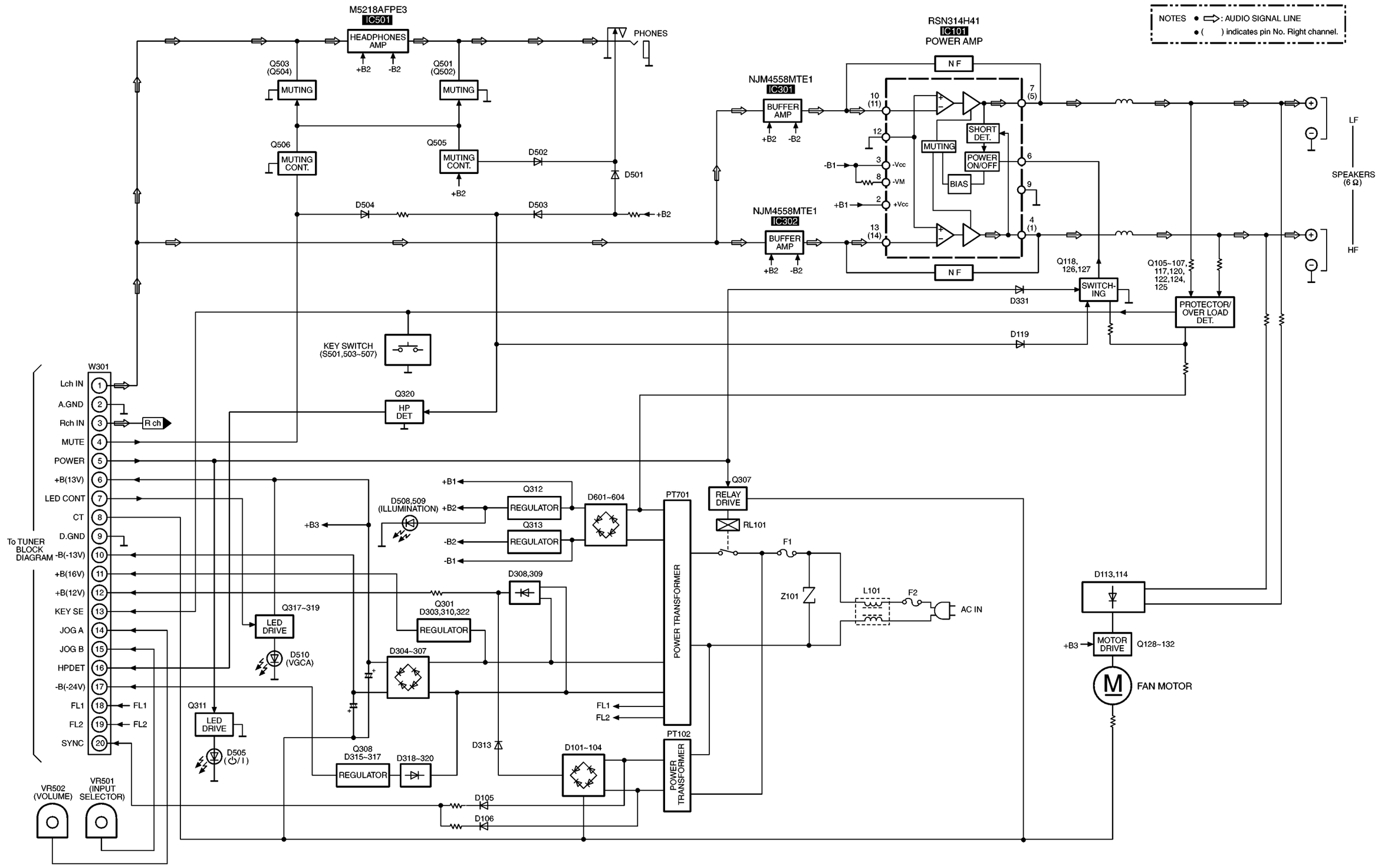
13 Wiring Connection Diagram



14 Block Diagram



SE-HD560(E,EB,EG,EP) BLOCK DIAGRAM

15 Replacement Parts List

Notes:

- Important safety notice:

  Components identified by ⚠ 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 <IA> <IB> <IC> <ID> <IE> marks in Remarks indicate language of instruction manual.

  <IA>: Spanish

  <IB>: Netherlands, Swedish, Danish

  <IC>: English

  <ID>: Germany, French, Italian

  <IE>: Russian, Polish, Czech

- The parenthesized indications in the Remarks columns specify the areas. (Refer to the cover page for area.)
- The marking [RTL] indicates that the Retention Time is limited for this item. After the discontinuation of this assembly in production, it will no longer be available.
- All parts are supplied by MESA.

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
1	REM0094A	FAN MOTOR ASS'Y	1	
2	RMZ0339	ZNR COVER	1	
3	RGN2281-K2	NAME PLATE	1	(E,EG)
3	RGN2281A-K2	NAME PLATE	1	(EB)
3	RGN2281B-K2	NAME PLATE	1	(EP)
4	RGQ0328-K	FAN COVER	1	
5	RGQ0329-K	FIN COVER	1	
6	RKA0114-K	FOOT	4	
6-1	RKA0083-K	CUSHION	4	
7	XTB3+5JFZ	SCREW	4	
8	REE1087-1	FFC(14P)	1	
9	RGG0186G-S	FRONT PANEL	1	
10	RGK1328-S	SIDE ORNAMENT(L)	1	
11	RGK1329-S	SIDE ORNAMENT(R)	1	
12	RGK1463-N	VOLUME ORNAMENT	2	
13	RGL0531-Q	INDICATOR,VGCA	1	
14	RGL0541-Q	INDICATOR,STANDBY	1	
15	RGW0378-S	KNOB,VOLUME	1	
16	RGW0379-S	KNOB,SELECTOR	1	
17	RHD26016	SCREW	1	
18	RHN90001	NUT	2	
19	RKW0628-Q	WINDOW	1	
20	RKW0630-W	VGCA SHEET	1	
21	RGP0838-S	SUB PANEL	1	
22	RGU1936-S	POWER BUTTON	1	
23	XTBS26+8J	SCREW	4	
24	XTB3+20JFZ	SCREW	4	
25	XTB3+35JFZ	SCREW	2	
26	XTBS3+8JFZ1	SCREW	12	
27	XTW3+15T	SCREW	2	
28	XTB3+6JFZ	SCREW	4	
29	RGK1324-M	SIDE PANEL(L)	1	
30	RGK1325-M	SIDE PANEL(R)	1	
31	RHD30082-K1	SCREW	4	
32	RKM0412G-N	CABINET	1	
33	RMN0709	HOLDER	1	
34	RMN0623	LED HOLDER	1	
35	RKQ0089-4	P.C.B.SUPPORT	4	
36	RMN0709	P.C.B.HOLDER	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
A1	EUR7702010	REMOTE CONTROLLER	1	
A1-1	UR64EC2337E	BATTERY COVER	1	
A2	RSA0007	FM INDOOR ANTENNA	1	N1EAYY000002
A3	SJP9009	ANNTENA PLUG ADAPTOR	1	K1YZ02000013 (EB)
A4	REE1195	SPEAKER CORD	2	
A5	RJA0019-2X	AC POWER SUPPLY CORD	1	(E,EG,EP) ⚠
A5	RJA0053-3X	AC POWER SUPPLY CORD	1	(EB) ⚠
A6	RQCA0920	QUICK SET-UP GUIDE	1	(EB)
A7	RQCB0169	SERVICE CENTER LIST	1	
A8	RQT6188-E	INSTRUCTION MANUAL	1	(E) <IA>
A8	RQT6186-H	INSTRUCTION MANUAL	1	(EG)<IB>
A8	RQT6187-B	INSTRUCTION MANUAL	1	<IC>
A8	RQT6185-D	INSTRUCTION MANUAL	1	(EG)<ID>
A8	RQT6189-R	INSTRUCTION MANUAL	1	(EP)<IE>
A9	RSA0033B-1	AM LOOP ANTENNA	1	
C149,50	ECBT1H223KB5	50V 0.022U	2	F1D1H223A012
C151-54	ECBT1H821KB5	50V 820P	4	F1D1H821A012
C155,56	ECBT1H104ZF5	50V 0.1U	2	F1E1H104A001
C183,84	ECA1CAK100XB	16V 10U	2	
C187,88	ECA1CAK330XB	16V 33U	2	
C189	ECBT1H104KB5	50V 0.1U	1	F1D1H1040002
C190	RCE0JKA470BG	6.3V 47U	1	F2A0J470A014
C191	ECBT1H103KB5	50V 0.01U	1	
C192	ECA1HAK2R2XB	50V 2.2U	1	
C193,94	ECBT1H103KB5	50V 0.01U	2	
C195	ECA1EAK100XB	25V 10U	1	
C197	ECA1EAK100XB	25V 10U	1	
C198	ECA0JAK101XB	6.3V 100U	1	
C199	ECBT1C222KR5	16V 2200P	1	ECBT1C222KR3
C200	ECA1CAK220XB	16V 22U	1	
C201	ECA1CAK100XB	16V 10U	1	
C202	ECBT1H102KB3	16V 1000P	1	
C301	ECA1EAK4R7XB	25V 4.7U	1	
C302	ECBT1H103KB5	50V 0.01U	1	
C303	ECA1EAM101XB	25V 100U	1	
C304	ECA1HAM101XB	50V 100U	1	
C305	ECA1EAM101XB	25V 100U	1	
C308	ECA1EM222	25V 2200U	1	
C309	RCE1EM471BV	25V 470U	1	F2A1E471A013
C311	ECKR1H103ZF5	50V 0.01U	1	F1B1H1030001
C312,13	ECBT1H103KB5	50V 0.01U	2	
C314	ECBT1H104KB5	50V 0.1U	1	F1D1H1040002
C315	ECBT1H103KB5	50V 0.01U	1	
C316	ECBT1H104ZF5	50V 0.1U	1	F1E1H104A001
C317	ECA1VAM101XB	35V 100U	1	
C319	ECA1EAM331XB	25V 330U	1	
C321	RCE1VKA100BG	35V 10U	1	F2A1V1000011
C322	ECBT1H103KB5	50V 0.01U	1	
C323	ECA2AM100	100V 10U	1	
C324	ECA1JAM101XB	63V 100U	1	
C325	ECA1HAM470XB	50V 47U	1	
C326,27	ECBA1H101KB5	50V 100P	2	
C328	ECBT1H104ZF5	50V 0.1U	1	F1E1H104A001
C329	ECA1EAM101XB	25V 100U	1	
C330	ECA1JAM101XB	63V 100U	1	
C331-34	ECBT1H821KB5	50V 820P	4	F1D1H821A012
C335,36	ECBA1H101KB5	50V 100P	2	
C337,38	ECBT1H150JC3	50V 15P	2	
C339,40	ECBT1H271KB5	50V 270P	2	F1D1H271A012
C341,42	ECBT1H103KB5	50V 0.01U	2	
C343,44	ECA1HPX100B	50V 10U	2	
C345	ECBT1H103KB5	50V 0.01U	1	
C346,47	ECA1EAK100XB	25V 10U	2	
C348	ECBT1H103KB5	50V 0.01U	1	
C349,50	ECBA1H101KB5	50V 100P	2	
C351,52	ECBT1H102KB3	16V 1000P	2	
C353,54	ECBT1H103KB5	50V 0.01U	2	
C355,56	ECBT1H333KB5	50V 0.033U	2	F1D1H333A012

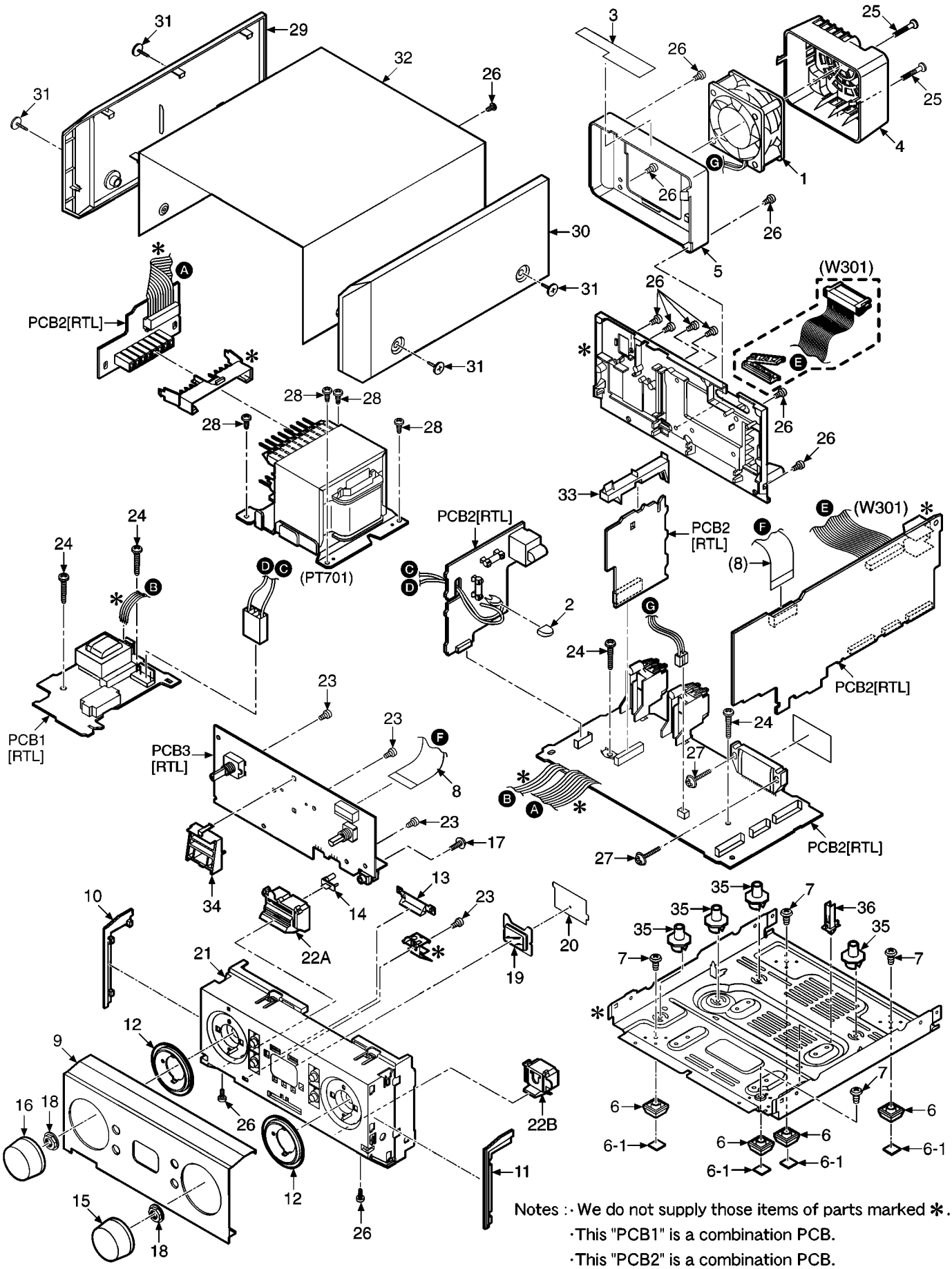
Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C357,58	ECA1HPX100B	50V 10U	2	
C359,60	ECEA1HKAR22B	50V 0.22U	2	
C361,62	ECA1EAK100XB	25V 10U	2	
C107-10	ECBT1H473KB5	50V 0.047U	4	F1D1H473A012
C111,12	ECBT1H102KB3	16V 1000P	2	
C119,20	ECBT1H470J3	50V 47P	2	
C123,24	ECBT1H104ZF5	50V 0.1U	2	F1E1H104A001
C125,26	ECBT1H102KB3	16V 1000P	2	
C127,28	ECBT1H473KB5	50V 0.047U	2	F1D1H473A012
C129	ECA1CAM331XB	16V 330U	1	
C130,31	ECBT1H105ZF5	50V 1U	2	F1E1H105A001
C132	ECA1EAK100XB	25V 10U	1	
C134	ECBT1H223KB5	50V 0.022U	1	F1D1H223A012
C136	ECA0JAK101XB	6.3V 100U	1	
C137-40	ECBT1H473KB5	50V 0.047U	4	F1D1H473A012
C141	ECBT1H471KB3	50V 470P	1	
C142	ECA1HAM470XB	50V 47U	1	
C143	ECKR2H102ZF5	500V 1000P	1	
C146,47	ECBT1H223KB5	50V 0.022U	2	F1D1H223A012
C148	ECA0JAK101XB	6.3V 100U	1	
C501,02	ECBT1H103KB5	50V 0.01U	2	
C503-06	ECBA1H101KB5	50V 100P	4	
C507,08	ECBT1H331KB3	50V 330P	2	
C509,10	ECBT1H103KB5	50V 0.01U	2	
C511,12	ECA1EAK4R7XB	25V 4.7U	2	
C513,14	ECA1HAK010XI	50V 1U	2	
C515,16	ECBT1H473ZF5	50V 0.047U	2	F1E1H473A001
C517	ECA0JAK221XH	6.3V 220U	1	
C520,21	ECA1HAK010XI	50V 1U	2	
C601,02	EEUPL1V362E	35V 3600U	2	
C603	ECQE1104KF3	100V 0.1U	1	
CN106	RJU100W11	CONNECTOR(11P)	1	K1KB11A00020
CN109	RJU100W11	CONNECTOR(11P)	1	K1KB11A00020
CN110	RJU100W07	CONNECTOR(7P)	1	K1KB07A00018
CN112	RJU100W07	CONNECTOR(7P)	1	K1KB07A00018
CN113	SJT30845JQ	CONNECTOR(8P)	1	K1KA08B00125
CN201	K1KA02A00008	CONNECTOR(2P)	1	
CN202	SJS305-1	CONNECTOR(3P)	1	K1ML03B00002
CN401-08	RJS1A1101T1	CONNECTOR(1P)	8	
CN501	RJS1A6214-1	CONNECTOR(14P)	1	K1MN14C00002
CN601	RJS1A6604T1	CONNECTOR(4P)	1	K1MP04A00008
CP106	RJT100W11	CONNECTOR(11P)	1	K1KA11A00093
CP108	RJS9T6ZA	CONNECTOR(9P)	1	K1MP09B00005
CP109	RJT100W11	CONNECTOR(11P)	1	K1KA11A00093
CP110	RJT100W07	CONNECTOR(7P)	1	K1KA07A00082
CP112	RJT100W07	CONNECTOR(7P)	1	K1KA07A00082
CP113	SJS50878JQ	CONNECTOR(8P)	1	K1KB08A00060
CP201	RJP1A4204-1	CONNECTOR(4P)	1	K1KA03A00143
CP501	RJS1A6714-Q	CONNECTOR(14P)	1	K1MN14B00054
D101-04	RL1N4003N02	DIODE	4	B0AAMM000009
D105-07	MA165	DIODE	3	MA2C165
D108	RL1N4003N02	DIODE	1	B0AAMM000009
D109	MA4051M	DIODE	1	MAZ40510M
D110	MA4150-M	DIODE	1	MAZ41500M
D113,14	MA165	DIODE	2	MA2C165
D117	MA4120M	DIODE	1	MAZ41200M
D119,20	MA165	DIODE	2	MA2C165
D121	MA4068M	DIODE	1	MAZ40680M
D122	MA719TA	DIODE	1	MA2C71900A
D303	MAZ41600MF	DIODE	1	
D304	1N5402BF	DIODE	1	
D305,06	RL1N4003N02	DIODE	2	B0AAMM000009
D307	1N5402BF	DIODE	1	
D308-10	RL1N4003N02	DIODE	3	B0AAMM000009
D312	MA4051M	DIODE	1	MAZ40510M
D313	RL1N4003N02	DIODE	1	B0AAMM000009
D314	MA4091MTA	DIODE	1	MAZ40910MF
D315	MA4240H	DIODE	1	MAZ42400H
D316-22	RL1N4003N02	DIODE	7	B0AAMM000009

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
D328,29	MA4120M	DIODE	2	MAZ41200M
D330,31	MA165	DIODE	2	MA2C165
D501-04	MA165	DIODE	4	MA2C165
D505	SLR-325VC	LED	1	B3AAA0000487
D508,09	SELS5923C	LED	2	B3ADA0000083
D510	SLR-325MC	LED	1	B3ABA0000187
D601-04	1N5402BF	DIODE	4	
F1	K5D102BA0003	FUSE,T1A	1	⚠
F2	XBA2C20TB0	FUSE,T2A	1	K5D202BL0004 ⚠
FP401,02	K5G702AA0003	FUSE PROTECTOR	2	⚠
FP403,04	K5G402AA0003	FUSE PROTECTOR	2	⚠
IC101	RSN314H41	IC	1	
IC301,02	NJM4558MTE1	IC	2	C0ABBB000109
IC501	M5218AFPE3	IC	1	C0ABBB000163
JK101	K2AA2B000002	AC JACK	1	⚠
JK102,03	K4BC04B00029	SYSTEM CONNECTOR(29P)	2	
JK501	RJJ37TN01-2C	H.P. JACK	1	K2HC103B0106
L101	RLQZ371	COIL	1	ELF15N035AN ⚠ ;
L103-06	RLQYR73MW1-0	COIL	4	G0ZZ00001606
P1	RPG5244	PACKING CASE(RS-HD560)	1	
P1	RPG5245	PACKING CASE(ST/SL-HD560)	1	
P1	RPG5451	PACKING CASE(SE-HD560)	1	
P2	RPN1390	CUSHION(RS-HD560)	1	
P2	RPN1389	CUSHION(ST/SL-HD560)	1	
P2	RPN1429-1	CUSHION(SE-HD560)	1	
P3	SPP740-1	PROTECTION BAG(UNIT)	1	
P4	RPG5763	PACKING CASE(SYSTEM)	1	(EG)
P4	RPG5764	PACKING CASE(SYSTEM)	1	(E)
P4	RPG5765	PACKING CASE(SYSTEM)	1	(EB)
P4	RPG5766	PACKING CASE(SYSTEM)	1	(EP)
P5	RPQ1187-1	SPACER	1	
P6	RPQ1230	SPACER	1	
P7	RPQ1351	PAD	1	
P8	RPF0139-1	PROTECTION BAG	1	
PCB1	REP3297AA-M	MAIN P.C.B. ASS'Y	1	[RTL]
PCB2	REP3297AB-M	POWER SUPPLY P.C.B. ASS'Y	1	[RTL]
PCB3	REP3126A-S	PANEL P.C.B. ASS'Y	1	[RTL]
PT102	RTP1H3E001	POWER TRANSFORMER	1	ETP28KBZ21BG ⚠
PT701	ETP69VPU611A	POWER TRANSFORMER	1	(E,EG,EP) ⚠
PT701	ETP69VPU612A	POWER TRANSFORMER	1	(EB) ⚠
Q105	2SA1309ATA	TRANSISTOR	1	2SA1309AWA
Q106,07	2SC3311ATA	TRANSISTOR	2	2SC3311A0A
Q117,18	2SC3311ATA	TRANSISTOR	2	2SC3311A0A
Q120	2SC3311ATA	TRANSISTOR	1	2SC3311A0A
Q122	2SA1309ATA	TRANSISTOR	1	2SA1309AWA
Q124,25	2SC3311ATA	TRANSISTOR	2	2SC3311A0A
Q126	UN4211	TRANSISTOR	1	UNR4211
Q127,28	2SC3311ATA	TRANSISTOR	2	2SC3311A0A
Q129	2SA1309ATA	TRANSISTOR	1	2SA1309AWA
Q130	2SD0592AWA	TRANSISTOR	1	

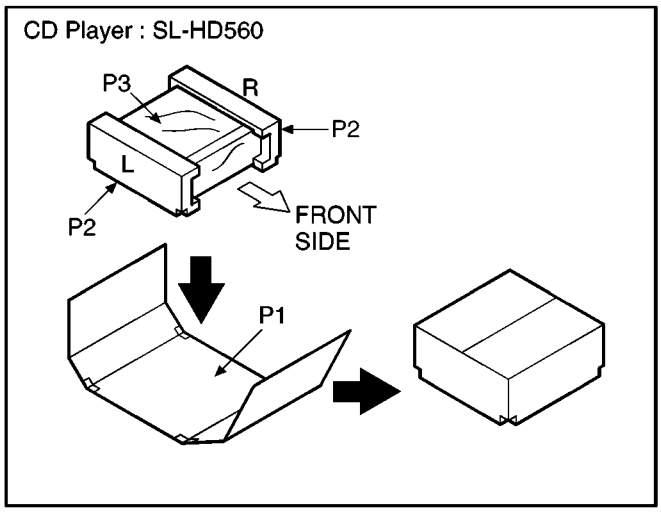
Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
Q131,32	2SC3311ATA	TRANSISTOR	2	2SC3311A0A
Q301	2SC3940AQSTA	TRANSISTOR	1	2SC3940ARA
Q307	2SC3311ATA	TRANSISTOR	1	2SC3311A0A
Q308	2SB621A-R	TRANSISTOR	1	2SB0621AH
Q311	2SC3311ATA	TRANSISTOR	1	2SC3311A0A
Q312	2SD2137PQTA	TRANSISTOR	1	2SD21370PA
Q313	2SB1417PQTA	TRANSISTOR	1	2SB14170JA
Q317	UN4211	TRANSISTOR	1	UNR4211
Q318	UN4111	TRANSISTOR	1	UNR4111
Q319	2SC3311ATA	TRANSISTOR	1	2SC3311A0A
Q320	UN4211	TRANSISTOR	1	UNR4211
Q501-04	2SD2144S	TRANSISTOR	4	B1AAGC000006
Q505	UN4111	TRANSISTOR	1	UNR4111
Q506	UN4115	TRANSISTOR	1	UNR411500A
R111	ERD2FCG100	1/4W 10	1	
R112	ERDS2FJ102	1/4W 1K	1	
R113,14	ERDS2FJ182	1/4W 1.8K	2	
R115,16	ERDS2FJ273	1/4W 27K	2	
R117,18	ERDS2FJ100	1/4W 10	2	
R119,20	ERDS1FJ100	1/2W 10	2	
R121	ERDS2TJ823T	1/4W 82K	1	
R122	ERDS2TJ124	1/4W 120K	1	
R123,24	ERDS2FJ473	1/4W 47K	2	
R137,38	ERDS2FJ182	1/4W 1.8K	2	
R139,40	ERDS2FJ473	1/4W 47K	2	
R143,44	ERDS2FJ100	1/4W 10	2	
R147,48	ERDS1FJ100	1/2W 10	2	
R151	ERDS2TJ823T	1/4W 82K	1	
R152	ERDS2TJ124	1/4W 120K	1	
R153,54	ERDS2FJ102	1/4W 1K	2	
R155	ERDS1FJ102	1/2W 1K	1	
R158	ERDS2FJ563	1/4W 56K	1	
R159	ERDS2FJ564	1/4W 560K	1	
R161	ERDS2FJ223	1/4W 22K	1	
R162	ERDS2FJ103	1/4W 10K	1	
R163	ERDS2FJ473	1/4W 47K	1	
R164	ERDS2FJ332	1/4W 3.3K	1	
R165	ERDS2FJ104	1/4W 100K	1	
R166	ERDS2FJ223	1/4W 22K	1	
R173,74	ERDS2FJ562	1/4W 5.6K	2	
R176-79	ERDS2FJ182	1/4W 1.8K	4	
R180	ERDS2FJ103	1/4W 10K	1	
R181	ERDS2FJ1R0	1/4W 1	1	
R182	ERDS2FJ223	1/4W 22K	1	
R183	ERDS2FJ564	1/4W 560K	1	
R185	ERDS2FJ563	1/4W 56K	1	
R187,88	ERDS2FJ103	1/4W 10K	2	
R189,90	ERDS2FJ102	1/4W 1K	2	
R213	ERD2FCG100	1/4W 10	1	
R214	ERDS2FJ220	1/4W 22	1	
R215	ERDS2FJ561	1/4W 560	1	
R216,17	ERDS2FJ472	1/4W 4.7K	2	
R218	ERDS2FJ104	1/4W 100K	1	
R219-22	ERDS2FJ103	1/4W 10K	4	
R226	ERDS2FJ103	1/4W 10K	1	
R228	ERDS2FJ103	1/4W 10K	1	
R232	ERDS2FJ104	1/4W 100K	1	
R233	ERDS2FJ101	1/4W 100	1	
R234	ERDS2FJ563	1/4W 56K	1	
R235	ERDS2FJ473	1/4W 47K	1	
R236	ERDS2FJ470	1/4W 47	1	
R301	ERDS2TJ392T	1/4W 3.9K	1	
R306	ERDS2FJ473	1/4W 47K	1	
R307	ERDS2FJ103	1/4W 10K	1	
R309	ERDS2FJ331	1/4W 330	1	
R310	ERDS2FJ681	1/4W 680	1	
R311	ERDS1FJ3R3	1/2W 3.3	1	
R313	ERDS2FJ473	1/4W 47K	1	
R314	ERDS2TJ392T	1/4W 3.9K	1	
R316	ERDS2FJ102	1/4W 1K	1	
R317	ERDS2FJ472	1/4W 4.7K	1	
R318	ERDS2FJ100	1/4W 10	1	

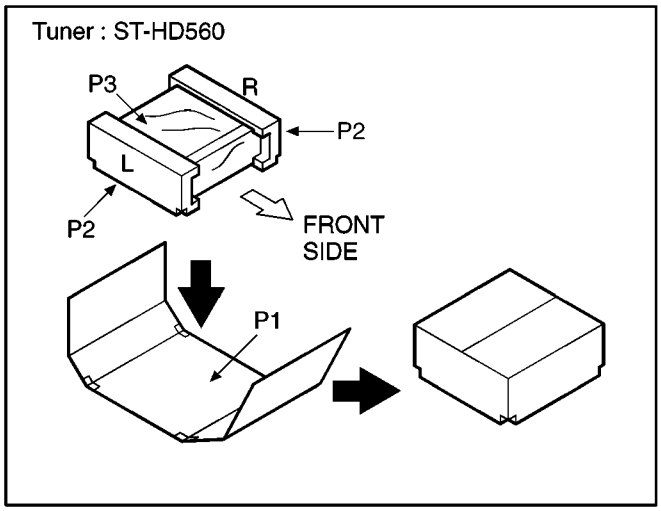
Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R319	ERDS2FJ101	1/4W 100	1	
R321	ERDS2FJ103	1/4W 10K	1	
R323,24	ERDS2FJ153	1/4W 15K	2	
R325,26	ERDS2FJ102	1/4W 1K	2	
R327,28	ERDS2FJ913	1/4W 91K	2	
R329,30	ERDS2FJ102	1/4W 1K	2	
R331	ERD2FCG100	1/4W 10	1	
R341	ERD2FCG100	1/4W 10	1	
R343,44	ERDS2FJ182	1/4W 1.8K	2	
R345	ERD2FCG100	1/4W 10	1	
R347,48	ERDS2FJ103	1/4W 10K	2	
R349,50	ERDS2FJ104	1/4W 100K	2	
R353-56	ERDS2FJ103	1/4W 10K	4	
R361,62	ERDS2FJ102	1/4W 1K	2	
R364,65	ERDS2TJ560T	1/4W 56	2	
R366	ERDS2FJ103	1/4W 10K	1	
R501-04	ERDS2FJ470	1/4W 47	4	
R505,06	ERDS2FJ153	1/4W 15K	2	
R507,08	ERDS2FJ332	1/4W 3.3K	2	
R509,10	ERDS2FJ223	1/4W 22K	2	
R511-14	ERDS2FJ102	1/4W 1K	4	
R515,16	ERDS2FJ223	1/4W 22K	2	
R517	ERDS2FJ561	1/4W 560	1	
R519,20	ERDS2FJ102	1/4W 1K	2	
R521	ERDS2FJ821	1/4W 820	1	
R523	ERDS2FJ102	1/4W 1K	1	
R524	ERDS2FJ153	1/4W 15K	1	
R525	ERDS2FJ103	1/4W 10K	1	
R526	ERDS2FJ102	1/4W 1K	1	
R527	ERDS2FJ222	1/4W 2.2K	1	
R528,29	ERDS2FJ472	1/4W 4.7K	2	
R530	ERDS2FJ153	1/4W 15K	1	
R531	ERDS2FJ103	1/4W 10K	1	
R532	ERDS2FJ122	1/4W 1.2K	1	
R533	ERDS2FJ152	1/4W 1.5K	1	
R534	ERDS2FJ182	1/4W 1.8K	1	
R535	ERDS2FJ471	1/4W 470	1	
R538	ERDS2FJ474	1/4W 470K	1	
R539	ERDS2FJ154	1/4W 150K	1	
RL101	RSY0040M-0	RELAY	1	⚠
S501	EVQ11G05R	SW,PUSH	1	
S503-07	EVQ11G05R	SW,PUSH	5	
VR501	K9AA012A0003	V.R.,INPUT SELECTOR	1	
VR502	EVEKC2F2524B	V.R.,VOLUME	1	
W301	REX0962	SYSTEM CABLE(20P)	1	
Z101	ERZV10V511CS	ZNR	1	⚠

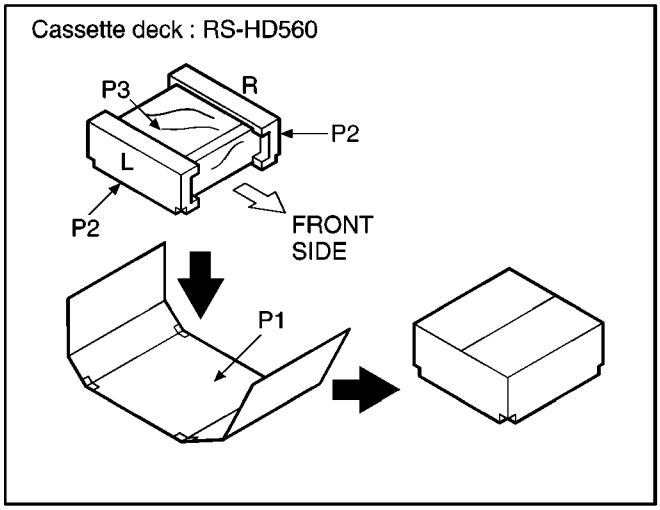
16 Cabinet Parts Location

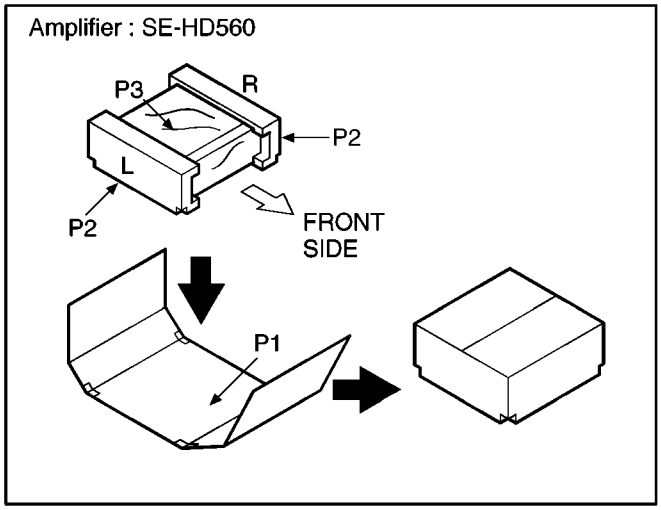


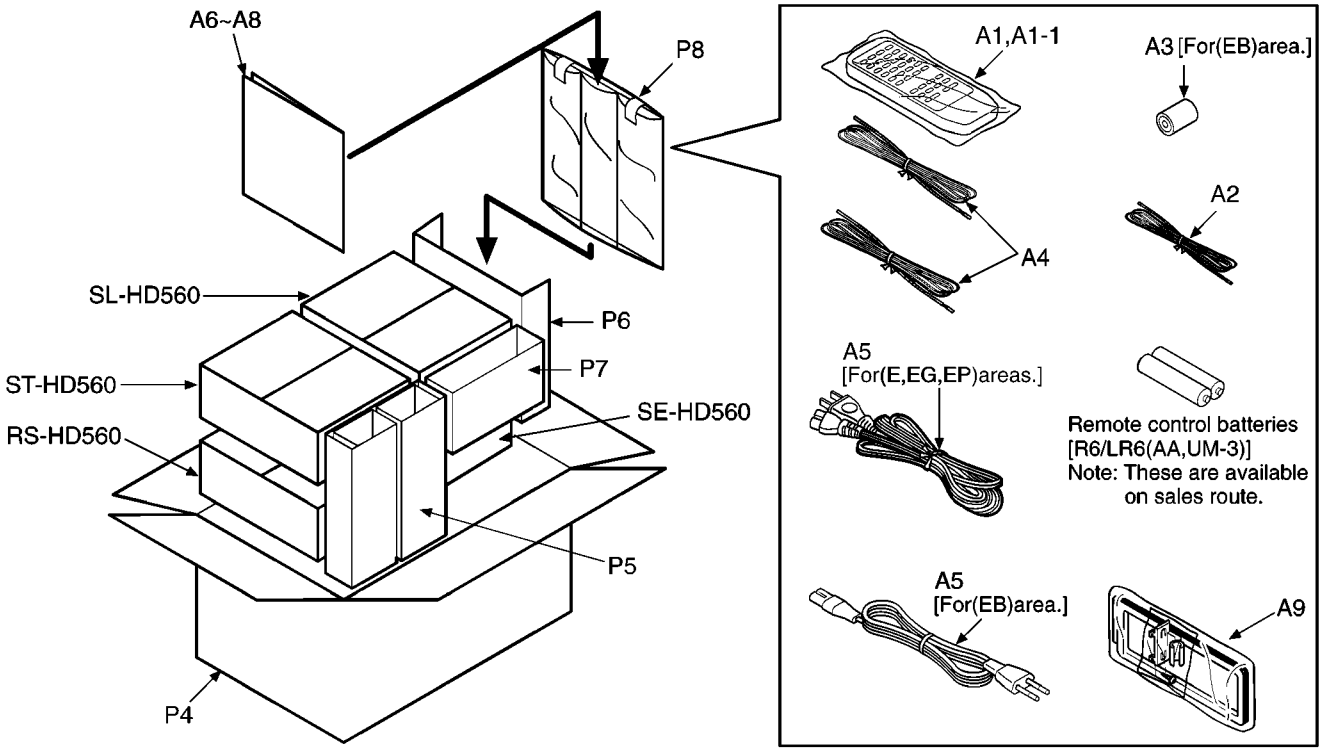
17 Packing


CD Player : SL-HD560
P3
R
P2
L
P2
FRONT
SIDE
P1


Tuner : ST-HD560
P3
R
P2
L
P2
FRONT
SIDE
P1


Cassette deck : RS-HD560
P3
R
P2
L
P2
FRONT
SIDE
P1


Amplifier : SE-HD560
P3
R
P2
L
P2
FRONT
SIDE
P1


A6~A8
P8
SL-HD560
P6
ST-HD560
P7
SE-HD560
RS-HD560
P5
P4
A1,A1-1
A3 [For(EB)area.]
A2
A4
A5
[For(E,EG,EP)areas.]
Remote control batteries
[R6/LR6(AA,UM-3)]
Note: These are available
on sales route.
A5
[For(EB)area.]
A9