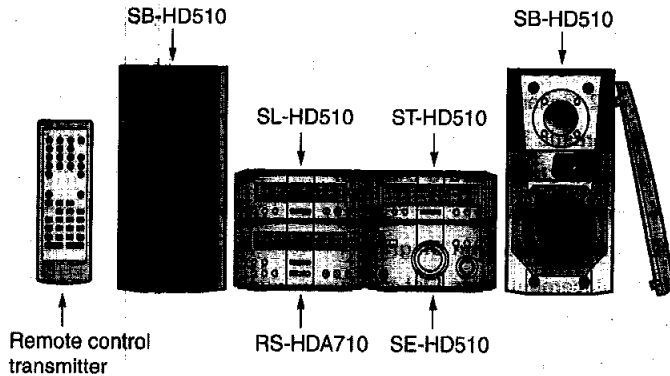


# Service Manual

## Amplifier



### SE-HD510

Colour

(N).....Gold Type

Areas

E.....Spain and Sweden, etc..

EB.....Great Britain.

EG.....Europe.

EP.....East Europe and Russia.

System: SC-HD510

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

### Specification

#### ●Amplifier Section (Low frequency side)

##### Power output

DIN 1 kHz, THD 1%, 6Ω both channels  
driven: 2x12W

RMS 1 kHz, THD 10%, 6Ω both channels  
driven: 2x15W

##### Total harmonic distortion

Half power at 1 kHz 6Ω: 0.09%

Load impedance: 6Ω

S/N: 75dB

#### ●Amplifier Section (High frequency side)

##### Power output

DIN 10kHz, THD 1%, 6Ω. both channels  
driven: 2x5W

RMS 10kHz, THD 10%, 6Ω both channels  
driven: 2x8W

Load impedance: 6Ω

S/N: 75dB

Headphones

Jack type: 3.5mm STEREO

Load impedance: 16-32Ω

#### ●General

Power consumption 73W

STANDBY condition Normal:9W

Eco:0.8W

#### Power supply

[For (E,EG,EP) areas]: AC230V,50Hz

[For (EB) area]: AC230-240V,50Hz

Dimensions (WxHxD): 196x105.3x258.7mm

Weight: 3.3kg

#### Notes:

- 1.Design and specifications are subject to change without notice.
- 2.Dimensions and weight are approximate.
- 3.Total harmonic distortion is measured by the digital spectrum analyzer.

#### ●System/SC-HD510:

Tuner:ST-HD510, Compact Disc Player: SL-HD510, **Amplifier: SE-HD510**, Cassette Deck: RS-HDA710, Speakers: SB-HD510  
(Made in MAES.)

**⚠ WARNING**

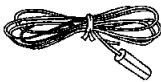
This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should 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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**1 Accessories**

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



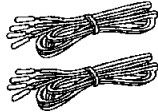
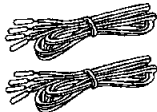
- AM loop antenna set.....1pc.  
(RSA0022-J)



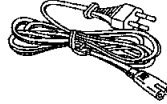
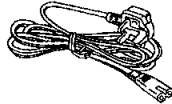
- Remote control transmitter.....1pc.  
(RAK-HDA25WH)



- Speaker cord  
(REE0499).....2pcs. (REE0853).....2pcs.  
(Red · Black) (Gray · Black)



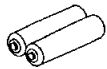
- AC power supply cord.....1pc.  
For (EB) area: (RJA0053-2X)  
For (E,EG,EP) areas: (RJA0019-X)



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



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



## 2 Before Repair and Adjustment

1. Turn off the power supply. Using a 10Ω , 10W resistor, connect both ends of power supply capacitors (C102-105, 127) 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 50/60 Hz in NO SIGNAL mode should be shown below with respect to supply voltage 230 V/240 V.

| Areas                | (E) (EG) (EP) |           | (EB)        |           |
|----------------------|---------------|-----------|-------------|-----------|
| Power supply voltage | AC 230V       |           | AC 230-240V |           |
| Consumed current     | 50 Hz         | 50-150 mA | 50 Hz       | 50-150 mA |

## 3 About the 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, for example, the positive and negative speaker connection wires are "shorted", or if speaker systems with an impedande less than the indicated rated impedance of this unit are used.

If this occurs, follow the procedure outlined below:

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 Caution for AC Main 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.**

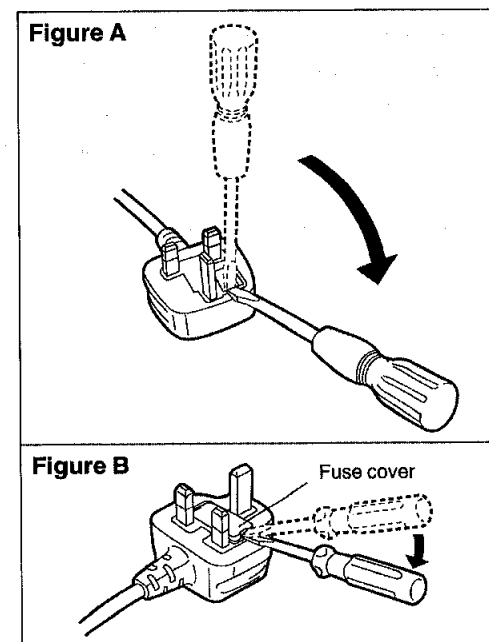
### Before use

Remove the connector cover.

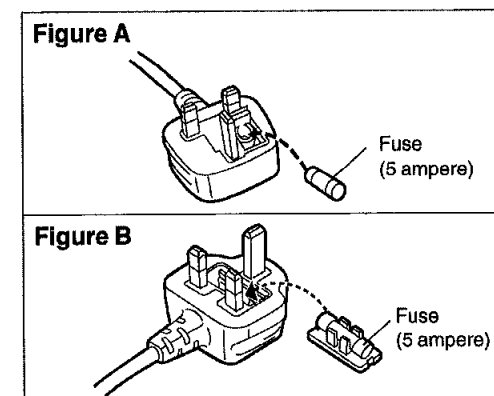
### How to replace the fuse

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.

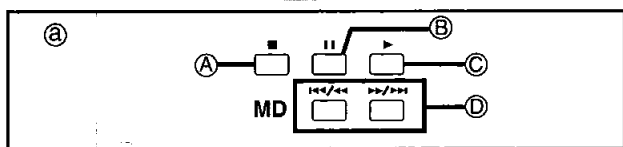
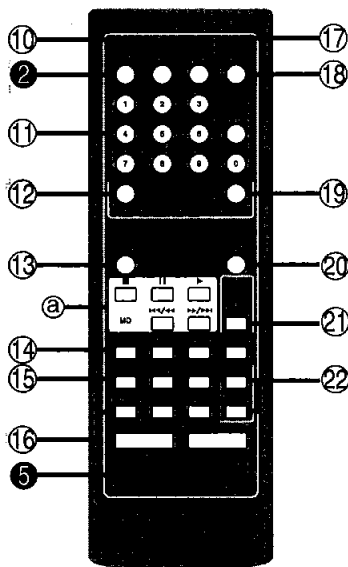
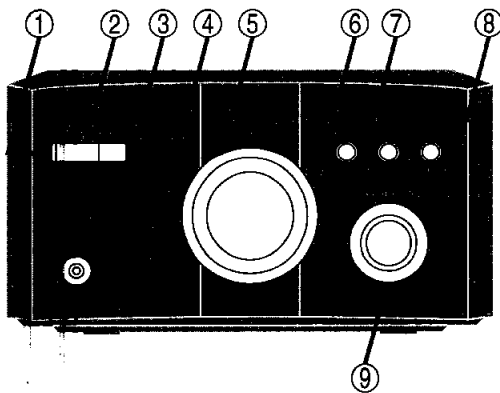
1. Open the fuse cover with a screwdriver.



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



## 5 Operating Instructions



### Amplifier

- ① **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.
- ② **Standby/on switch (⏻/⏻)**  
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.
- ③ **ECO mode button (MODE)**
- ④ **Headphone jack (PHONES)**
- ⑤ **Volume control (VOLUME)**
- ⑥ **Bass button (BLFS)**
- ⑦ **Input selector (INPUT SELECTOR ▾)**
- ⑧ **Input selector (INPUT SELECTOR ▲, -DVD DIRECT)**
- ⑨ **Fine tweeter control (FINE TWEETER CONTROL)**

### Remote control

Buttons ② and ⑤ function in the same way as the controls on the main unit.

- ⑩ **Sleep timer button (SLEEP)**
- ⑪ **Numbered buttons**
- ⑫ **Program button (PROGRAM)**
- ⑬ **Random button (RANDOM)**
- ⑭ **Input select buttons (CD, TAPE, EXT/MD, TUNER)**
- ⑮ **Basic operating buttons**  
Function changes according to the source.
- ⑯ **Muting button (MUTING)**
- ⑰ **Play timer button (⌚ PLAY)**
- ⑱ **Record timer button (⌚ REC)**
- ⑲ **Cancel button (CANCEL)**
- ⑳ **Repeat button (REPEAT)**
- ㉑ **FM mode button (AUTO/MONO)**
- ㉒ **Tuning buttons (TUNE ▲, TUNE ▼)**

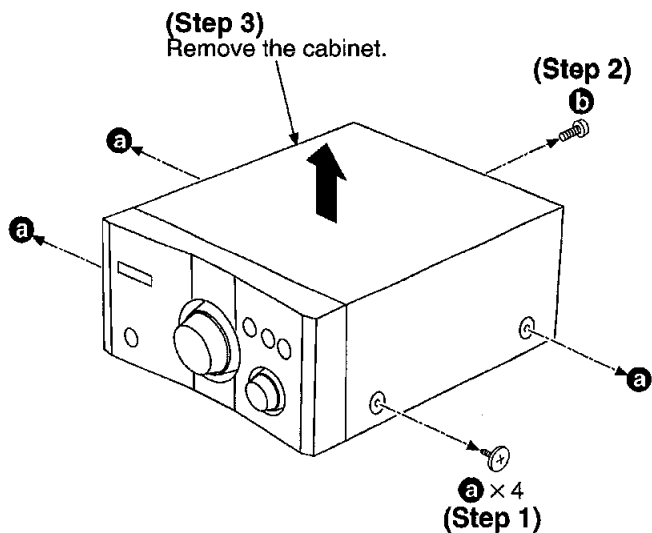
MD deck operations (when connected to MD deck SJ-HDA710 (sold separately)) ①

- ① **Stop button (■)**
- ② **Pause button (⏸)**
- ③ **Play button (▶)**
- ④ **Skip/search buttons (⏮/⏪, ⏩/⏭)**

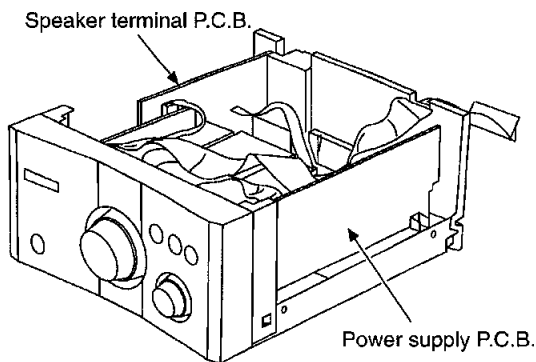
# 6 Operation Checks and Component Replacement Procedures

- 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.

## 6.1. Checking for the power supply P.C.B. and speaker terminal P.C.B.

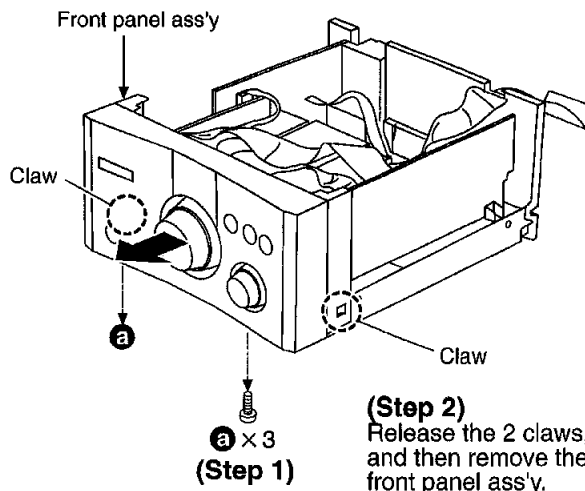


- Check the power supply P.C.B. and speaker terminal P.C.B. as shown below.

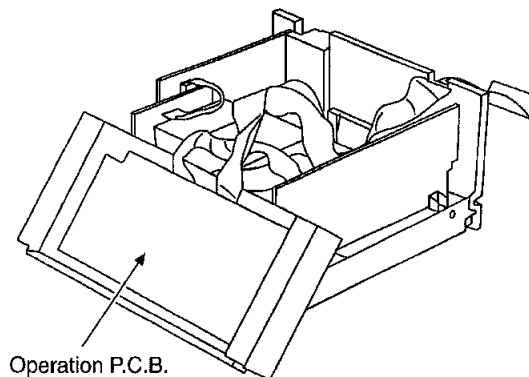


## 6.2. Checking for the operation P.C.B.

- Follow the (Step 1) - (Step 3) of item 6.1.

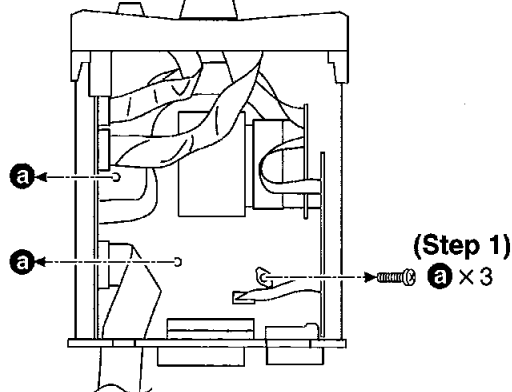


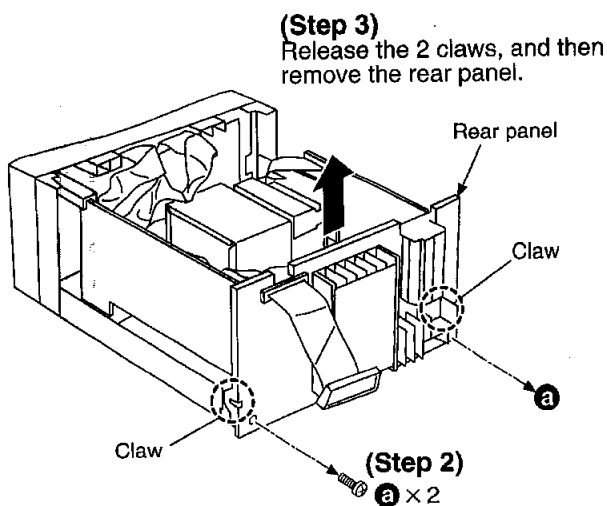
- Check the operation P.C.B. as shown below.



## 6.3. Checking for the main P.C.B.

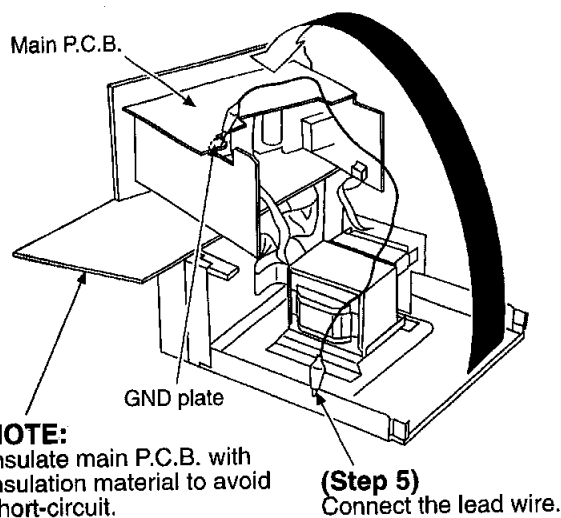
- Follow the (Step 1) - (Step 3) of item 6.1.



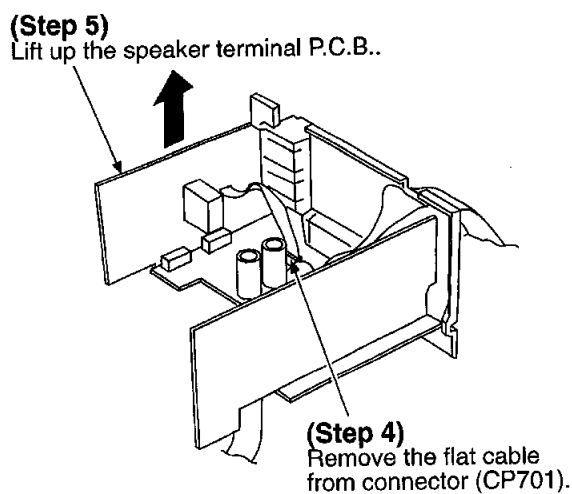


- Check the main P.C.B. as shown below.

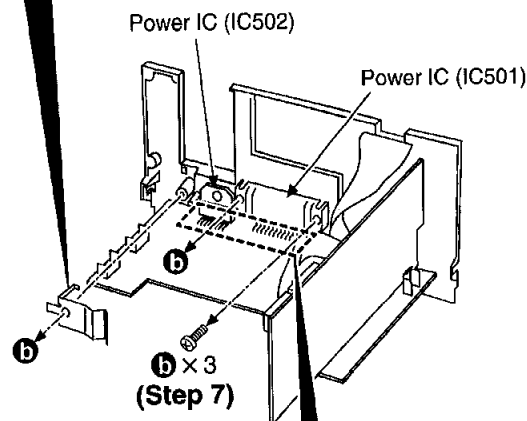
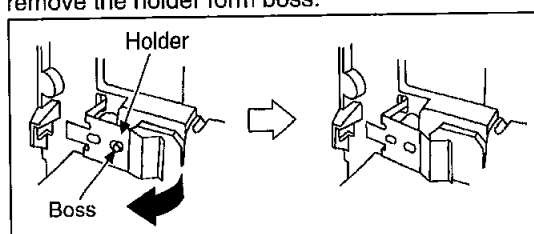
**(Step 4)**  
Turn the rear panel, power supply P.C.B. and main P.C.B., and then put on the them to front panel ass'y.



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



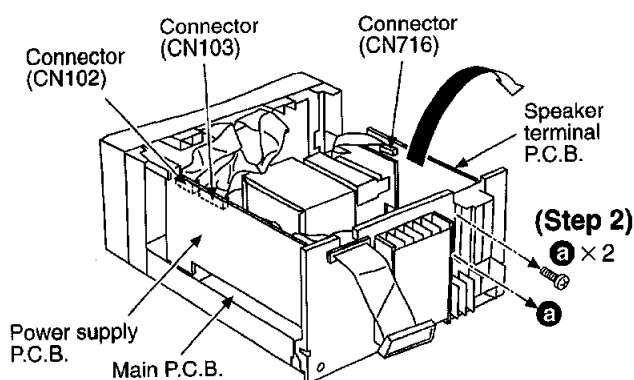
**(Step 8)**  
Move the holder in the direction of arrow, and then remove the holder form boss.



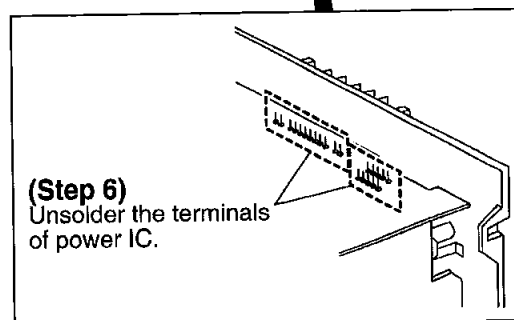
## 6.4. Replacement for the power IC

- Follow the **(Step 1)** - **(Step 3)** of item 6.1.
- Follow the **(Step 1)** - **(Step 3)** of item 6.3.

**(Step 1)**  
Remove the 3 connectors.



**(Step 3)**  
Remove the rear panel, power supply P.C.B. and main P.C.B. in the direction of arrow.



**NOTE:**  
When mounting the power IC apply silicone compound (RFKX0002) to the rear side of power IC.

## 7 Power Source ON/OFF and Signal Check

To operate this unit SE-HD510 normally, it is necessary for connecting with the unit ST-HD510.

When operating the unit SE-HD510, be sure to connect the unit ST-HD510 by connection cable.

1. Connect with the Tuner (ST-HD510). (As shown in Fig. 1)
2. Connect the AC mains lead to Amplifier (SE-HD510). (As shown in Fig. 1)
3. Connect the speakers to speaker terminal. (As shown in

Fig. 1)

4. Turn on the power of the Amplifier (SE-HD510).

5. Press INPUT SELECTOR to select the external source (EXT/MD) of the Amplifier (SE-HD510).

6. Input a sound signal to external input terminal of Tuner (ST-HD510), and confirm to be outputted from the speaker. (Both "High" and "Low".)

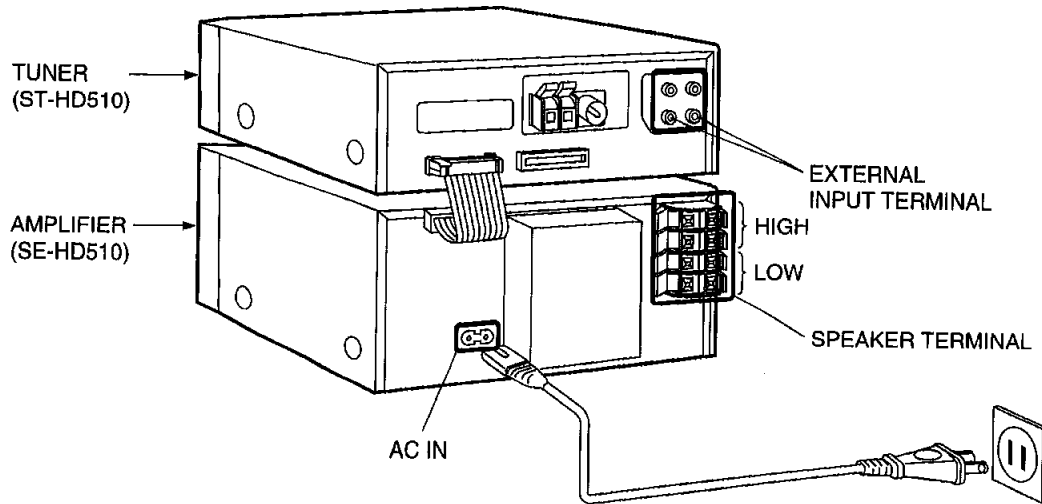


Fig. 1

## 8 Schematic Diagram Notes

### 8.1. Type Illustration of IC's, Transistors and Diodes





|   |                 |                               |  |  |
|---|-----------------|-------------------------------|--|--|
| M5218AFPE3<br>  | RSN35H1<br>     | LM1876TF<br>                  | <br>2SA1309ATA<br>2SC3311ATA<br>UN4115TA | 2SB621AQRSTA<br>                         |
| 2SC3940AQSTA<br>  | 2SD2374PQAU<br> | 2SD2144STA<br>                | MA165TA<br>                              | MA4051MTA<br>MA4062MTA<br>MTZJ7R5CTA<br> |
| <br>MA4110MTA<br>MA4120MTA<br>MA4150MTA<br>MA4160MTA<br>MA4240MTA | MA719TA<br>     | 1N5402BM21<br>RL1N4003N02<br> | SLR-325VC<br>                            |  |



## 8.2. Schematic Diagram Notes


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

### Notes:

- **S301:** Power "STANDBY  / ON" (  / I ) switch in "ON" position.
- **S302:** Eco mode (MODE) switch in "OFF" position.
- **S303:** Input selector (INPUT SELECTOR  , -DVD DIRECT) switch.
- **S308:** Input selector (INPUT SELECTOR  ) switch .
- **S308:** BLFS (BLFS) switch.
- **VR301:** Volume V.R.
- **VR401:** Fine tweeter control V.R.
- 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

- 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.

### Caution!

- Secondary trouble can be prevented by taking care during repair.
- IC and LSI are sensitive to static electricity.
- 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 lines

 : Positive voltage line

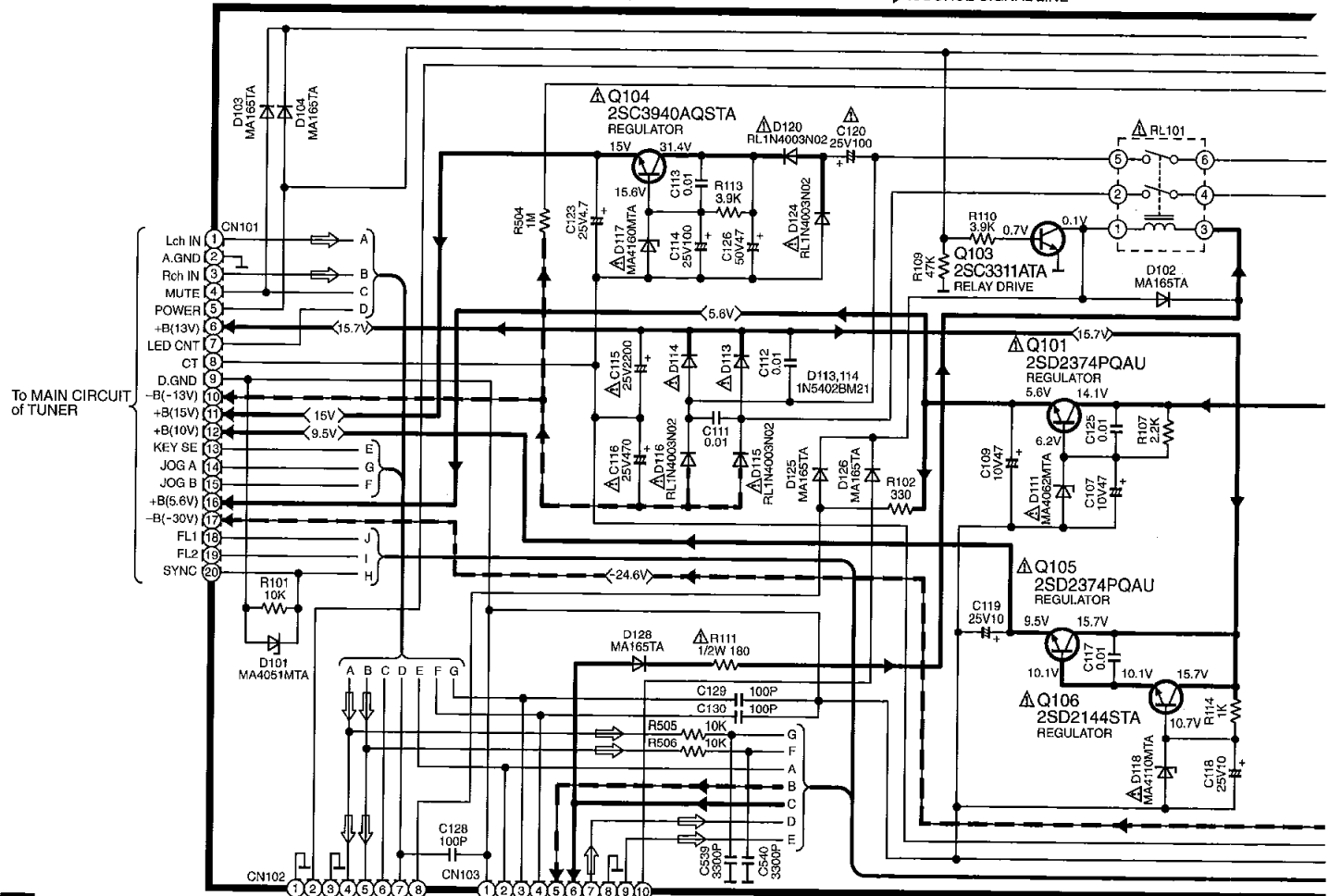
 : Negative voltage line

 : Source signal line

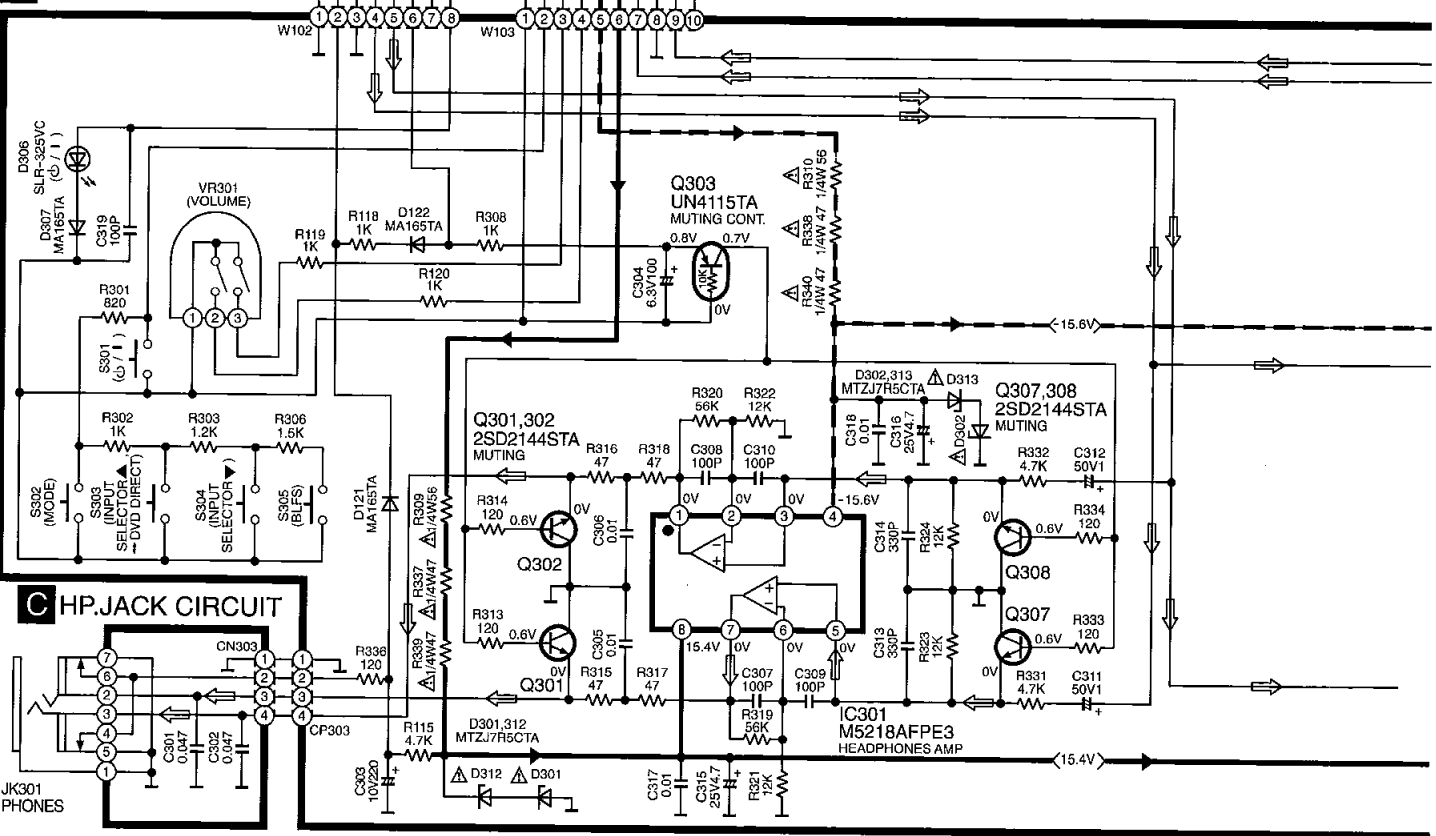
# 9 Schematic Diagram

## A POWER SUPPLY CIRCUIT

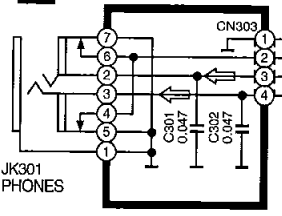
→ : POSITIVE VOLTAGE LINE  
 ← : NEGATIVE VOLTAGE LINE  
 ⇨ : SOURCE SIGNAL LINE



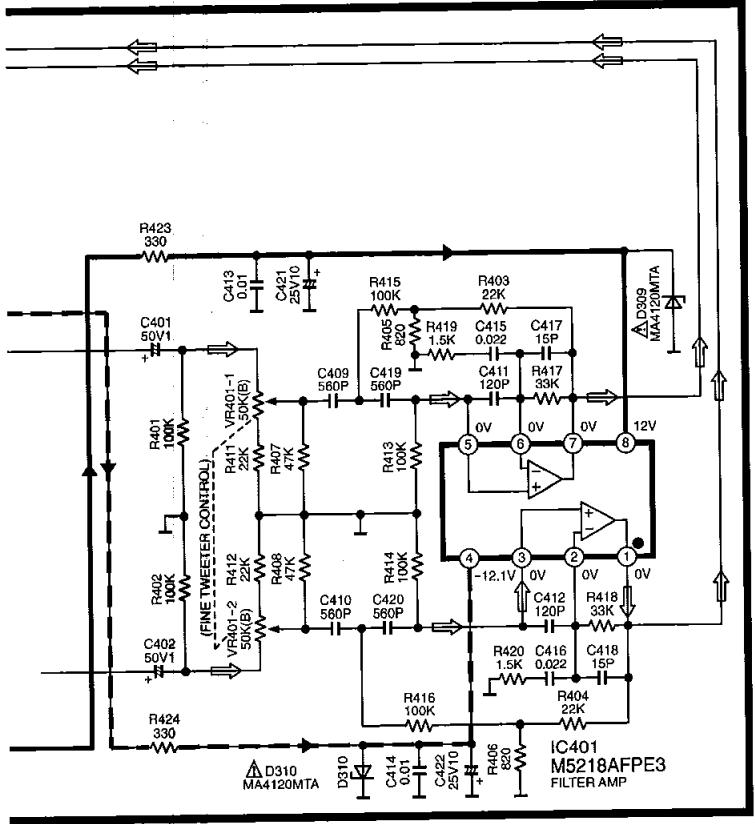
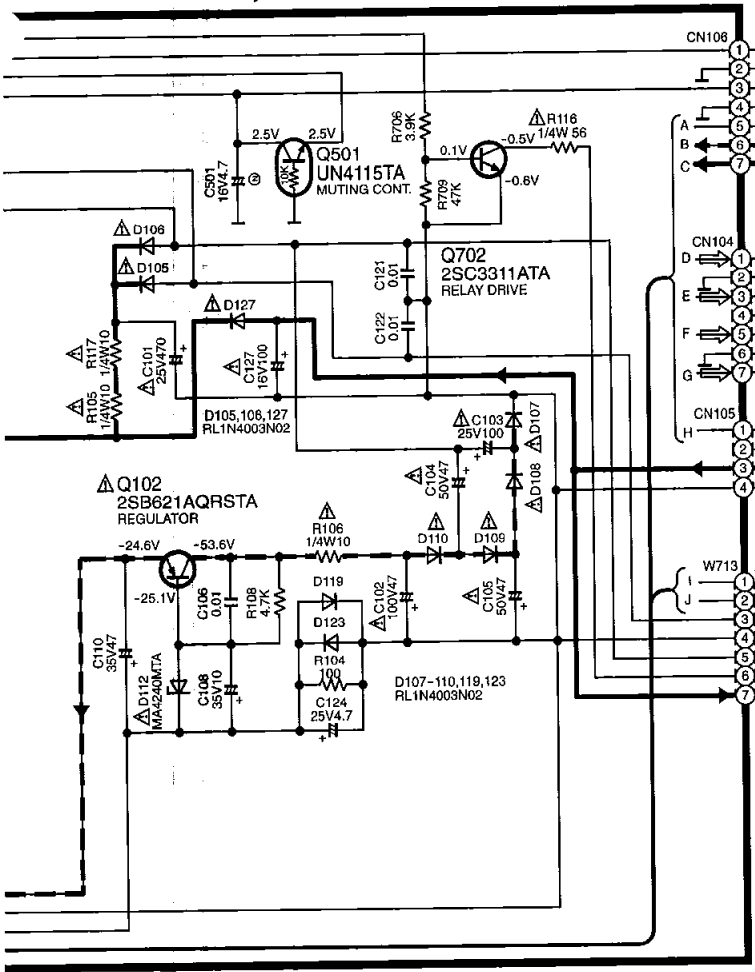
## B OPERATION CIRCUIT



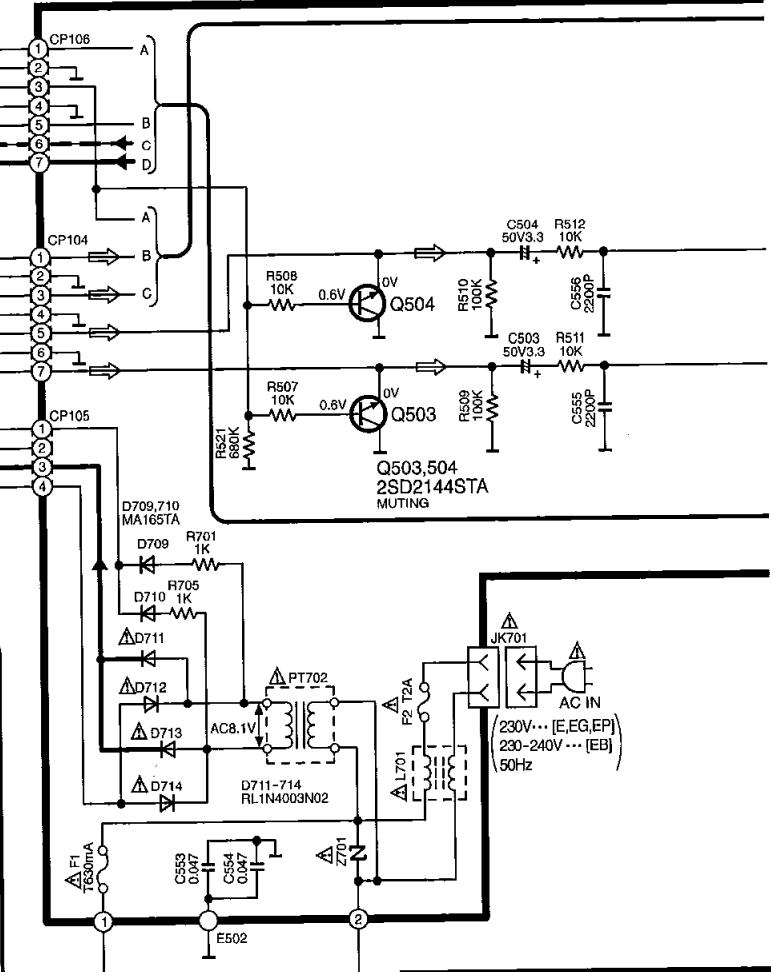
## C HP JACK CIRCUIT



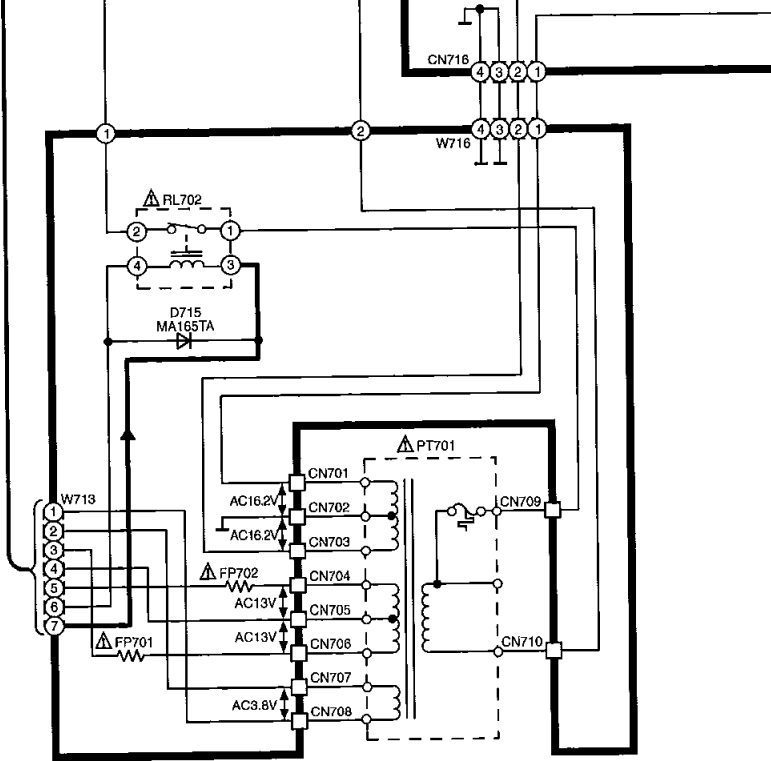
→ : POSITIVE VOLTAGE LINE  
← : NEGATIVE VOLTAGE LINE  
⇨ : SOURCE SIGNAL LINE



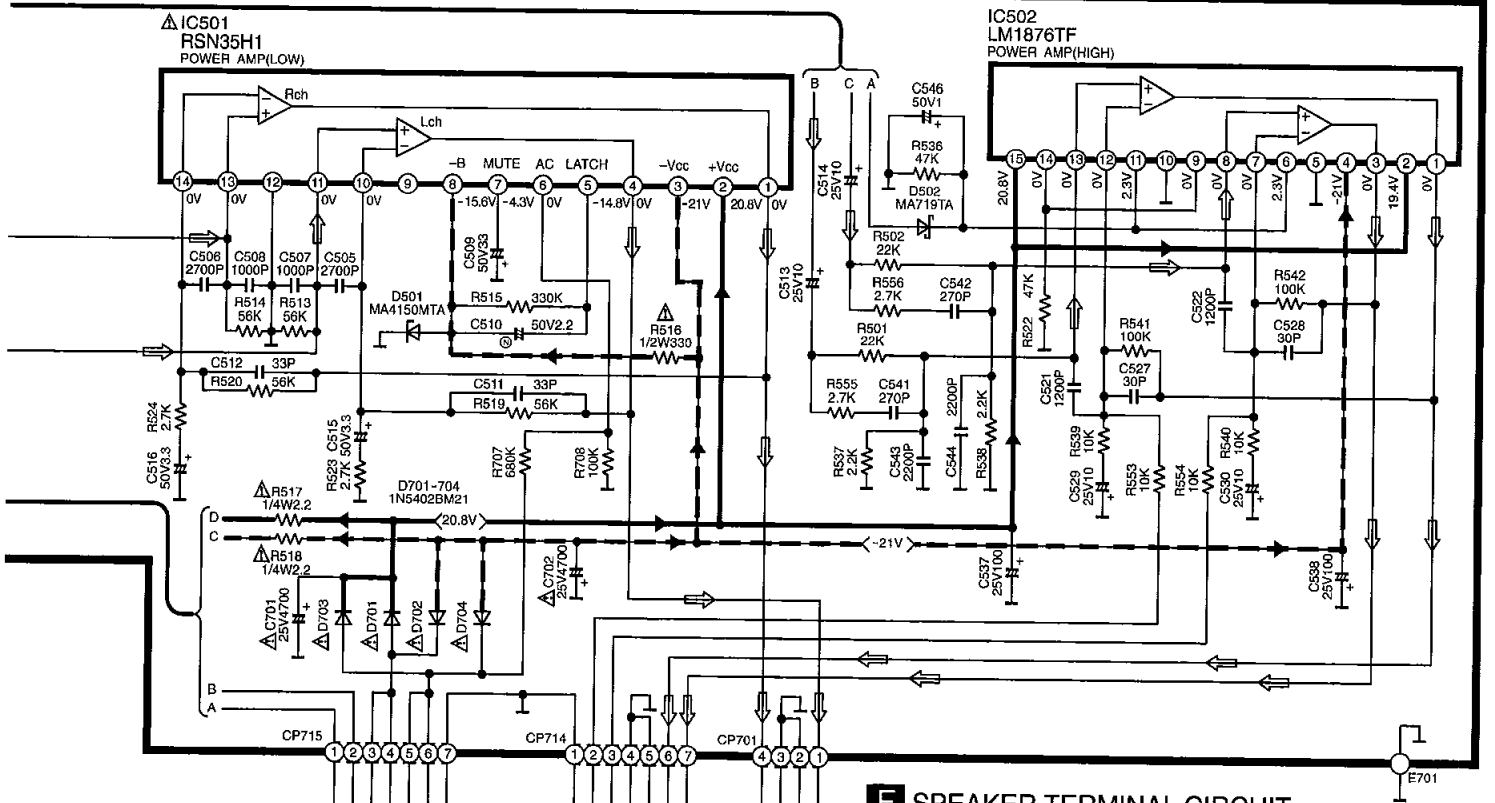
### D MAIN CIRCUIT



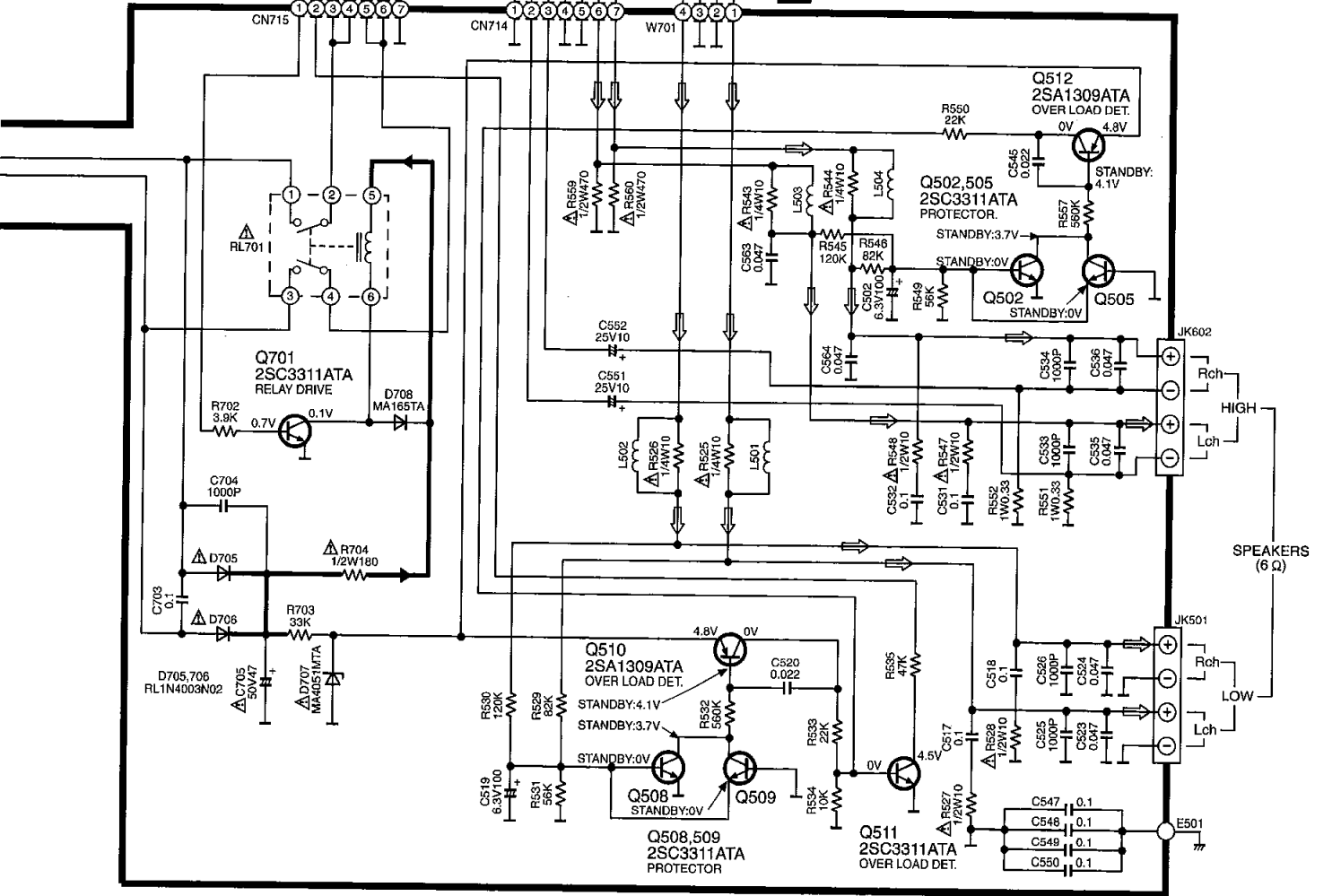
### E POWER TRANSFORMER CIRCUIT



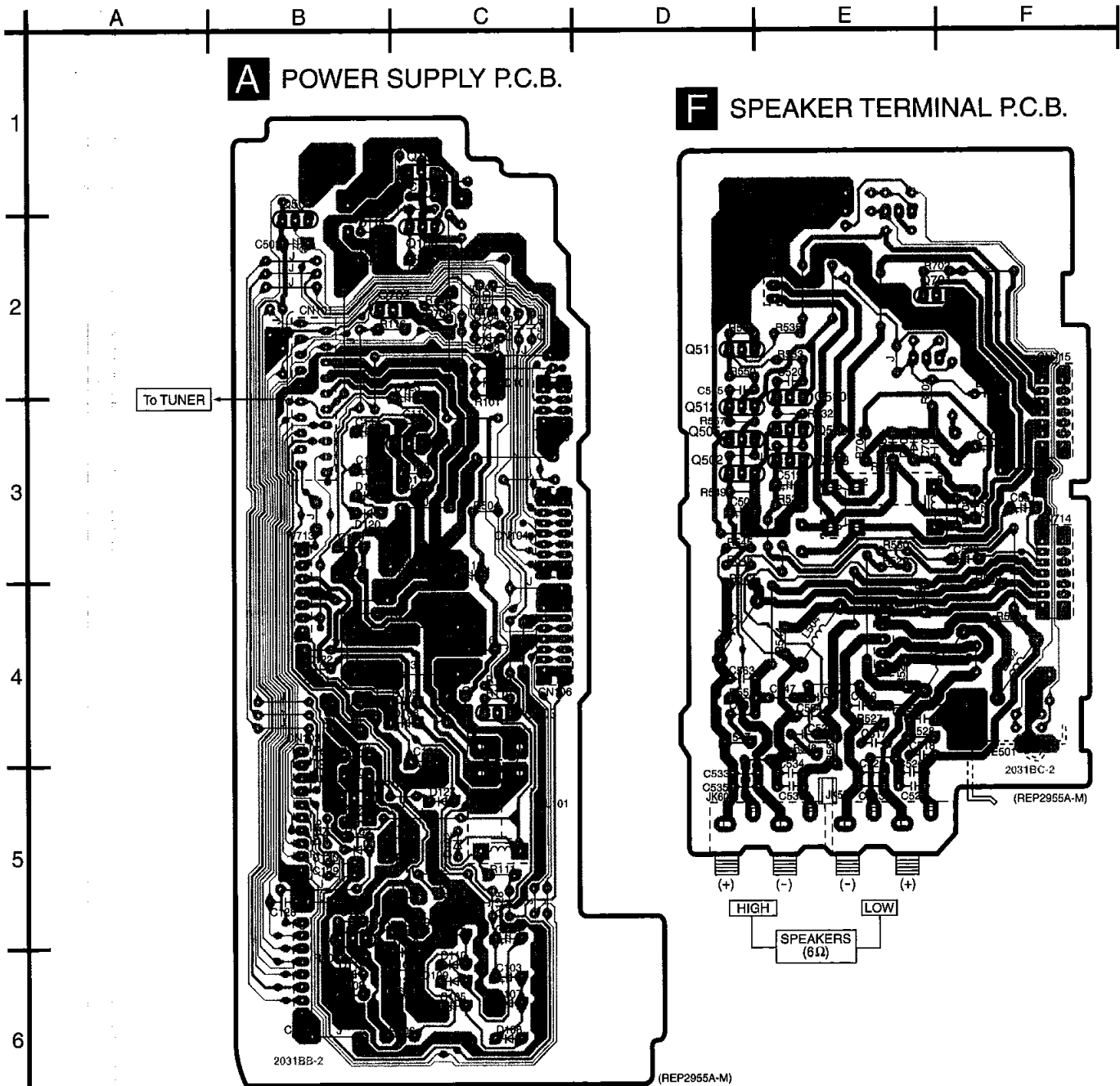
→ : POSITIVE VOLTAGE LINE    - - - : NEGATIVE VOLTAGE LINE    ⇨ : SOURCE SIGNAL LINE



**F SPEAKER TERMINAL CIRCUIT**



# 10 Printed Circuit Board Diagram



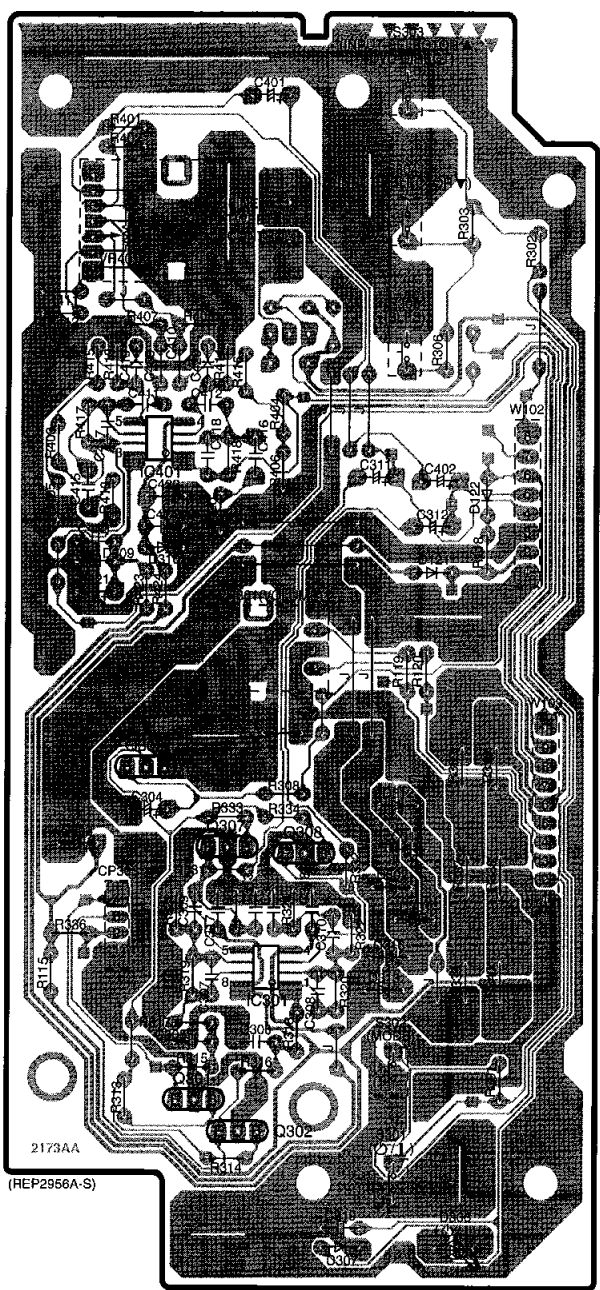
**ELECTRICAL PARTS LOCATION**

| Ref. No.                         | Lo. No. | Ref. No. | Lo. No. | Ref. No. | Lo. No. | Ref. No. | Lo. No. | Ref. No. | Lo. No. | Ref. No. | Lo. No. | Ref. No. | Lo. No. | Ref. No. | Lo. No. | Ref. No. | Lo. No. |
|----------------------------------|---------|----------|---------|----------|---------|----------|---------|----------|---------|----------|---------|----------|---------|----------|---------|----------|---------|
| <b>A POWER SUPPLY P.C.B.</b>     |         |          |         |          |         |          |         |          |         |          |         |          |         |          |         |          |         |
| Q101                             | 5B      | D104     | 2C      | D115     | 4C      | D128     | 5C      | R104     | 6C      | R117     | 4B      | C106     | 5B      | C117     | 1C      | C128     | 5B      |
| Q102                             | 5B      | D105     | 4C      | D116     | 4C      | RL101    | 5C      | R105     | 4B      | R504     | 3C      | C107     | 5C      | C118     | 2C      | C129     | 5B      |
| Q103                             | 4C      | D106     | 4C      | D117     | 3C      | CN101    | 2B      | R106     | 6C      | R505     | 2C      | C108     | 6B      | C119     | 2B      | C130     | 5B      |
| Q104                             | 3C      | D107     | 6C      | D118     | 2B      | CN102    | 6B      | R107     | 5B      | R506     | 2C      | C109     | 4B      | C120     | 3B      | C501     | 2B      |
| Q105                             | 1C      | D108     | 6C      | D119     | 5C      | CN103    | 5B      | R108     | 6B      | R706     | 2C      | C110     | 5C      | C121     | 4B      | C539     | 2C      |
| Q106                             | 2C      | D109     | 6C      | D120     | 3B      | CN104    | 3C      | R109     | 4C      | R709     | 2C      | C111     | 4C      | C122     | 4B      | C540     | 2C      |
| Q501                             | 2B      | D110     | 6C      | D123     | 6C      | CN105    | 3C      | R110     | 4C      | C101     | 4C      | C112     | 3B      | C123     | 2C      |          |         |
| Q702                             | 2C      | D111     | 5C      | D124     | 3B      | CN106    | 4C      | R111     | 5C      | C102     | 5C      | C113     | 3C      | C124     | 6C      |          |         |
| D101                             | 2C      | D112     | 6B      | D125     | 5B      | W713     | 3B      | R113     | 3C      | C103     | 6C      | C114     | 3B      | C125     | 5B      |          |         |
| D102                             | 5C      | D113     | 4C      | D126     | 5B      | R101     | 2C      | R114     | 1C      | C104     | 5C      | C115     | 3C      | C126     | 3B      |          |         |
| D103                             | 2C      | D114     | 4C      | D127     | 5C      | R102     | 5B      | R116     | 2C      | C105     | 6C      | C116     | 3C      | C127     | 5C      |          |         |
| <b>F SPEAKER TERMINAL P.C.B.</b> |         |          |         |          |         |          |         |          |         |          |         |          |         |          |         |          |         |
| Q502                             | 3D      | D706     | 3E      | CN715    | 3F      | R528     | 4E      | R544     | 4E      | R557     | 3D      | C519     | 3E      | C534     | 5E      | C552     | 3F      |
| Q505                             | 3D      | D707     | 2F      | CN716    | 2E      | R529     | 3E      | R545     | 3D      | R559     | 4F      | C520     | 2E      | C535     | 5D      | C563     | 4D      |
| Q508                             | 3E      | D708     | 3F      | W701     | 4E      | R530     | 3E      | R546     | 3D      | R560     | 4E      | C523     | 5E      | C536     | 5E      | C564     | 4E      |
| Q509                             | 3E      | L501     | 4F      | JK501    | 5E      | R531     | 3E      | R547     | 4D      | R702     | 2F      | C524     | 5E      | C545     | 2D      | C703     | 3F      |
| Q510                             | 3E      | L502     | 4F      | JK602    | 5D      | R532     | 3E      | R548     | 4E      | R703     | 2E      | C525     | 5E      | C547     | 4E      | C704     | 3E      |
| Q511                             | 2D      | L503     | 4D      | E501     | 4F      | R533     | 2E      | R549     | 3D      | R704     | 3E      | C526     | 5E      | C548     | 4E      | C705     | 3F      |
| Q512                             | 3D      | L504     | 4E      | E502     | 4E      | R534     | 2D      | R550     | 2D      | C502     | 3D      | C531     | 4D      | C549     | 4E      |          |         |
| Q701                             | 2F      | RL701    | 3E      | R525     | 4E      | R535     | 2E      | R551     | 4D      | C517     | 4E      | C532     | 4E      | C550     | 4E      |          |         |
| D705                             | 3E      | CN714    | 3F      | R527     | 4E      | R543     | 4D      | R552     | 4E      | C518     | 4E      | C533     | 5D      | C551     | 3F      |          |         |

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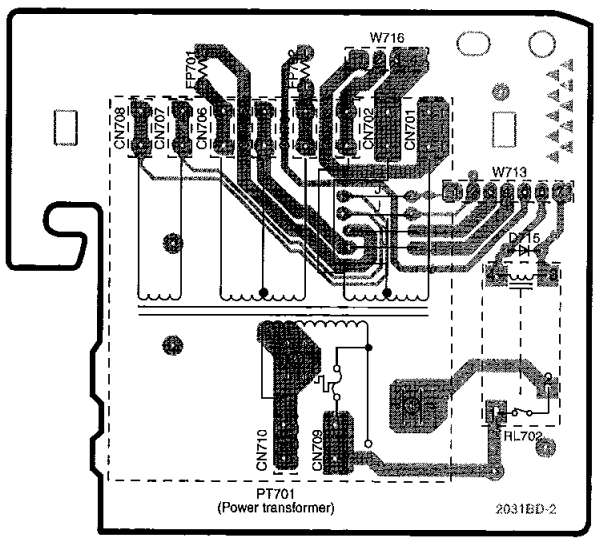
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**B OPERATION P.C.B.**



2173AA  
(REP2956A-S)

**E POWER TRANSFORMER P.C.B.**

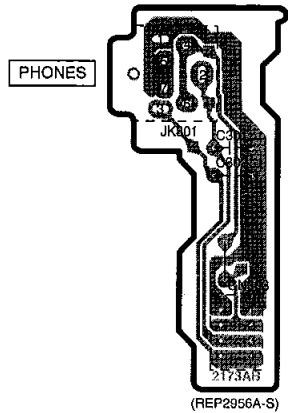


PT701  
(Power transformer)

2031E-D-2

(REP2955A-M)

**C HP.JACK P.C.B.**



PHONES

2173A-F  
(REP2956A-S)

**ELECTRICAL PARTS LOCATION**

| Ref. No.                  | Lo. No. | Ref. No. | Lo. No. | Ref. No. | Lo. No. | Ref. No. | Lo. No. | Ref. No. | Lo. No. | Ref. No. | Lo. No. | Ref. No. | Lo. No. |
|---------------------------|---------|----------|---------|----------|---------|----------|---------|----------|---------|----------|---------|----------|---------|
| <b>B OPERATION P.C.B.</b> |         |          |         |          |         |          |         |          |         |          |         |          |         |
| IC301                     | 5B      | VR301    | 4B      | R303     | 2C      | R331     | 5B      | R411     | 2A      | C308     | 5B      | C412     | 3B      |
| IC401                     | 3B      | VR401-1  | 2A      | R306     | 2C      | R332     | 2C      | R412     | 2A      | C309     | 5B      | C413     | 3A      |
| Q301                      | 6B      | VR401-2  | 2A      | R308     | 4B      | R333     | 5B      | R413     | 3A      | C310     | 5B      | C414     | 3B      |
| Q302                      | 6B      | S301     | 6C      | R309     | 4C      | R334     | 5B      | R414     | 3B      | C311     | 3C      | C415     | 3A      |
| Q303                      | 4B      | S302     | 6C      | R310     | 4C      | R336     | 5A      | R415     | 3A      | C312     | 3C      | C416     | 3B      |
| Q307                      | 5B      | S303     | 1C      | R313     | 6A      | R337     | 5C      | R416     | 3B      | C313     | 5B      | C417     | 3A      |
| Q308                      | 5B      | S304     | 2C      | R314     | 6B      | R338     | 5C      | R417     | 3A      | C314     | 5B      | C418     | 3B      |
| D121                      | 3C      | S305     | 2C      | R315     | 6B      | R339     | 5C      | R418     | 3B      | C315     | 5C      | C419     | 3A      |
| D122                      | 3C      | CP303    | 3C      | R316     | 6B      | R340     | 5C      | R419     | 3A      | C316     | 5C      | C420     | 3B      |
| D301                      | 5C      | W102     | 5A      | R317     | 5B      | R401     | 1A      | R420     | 3B      | C317     | 5B      | C421     | 4A      |
| D302                      | 5C      | W103     | 4C      | R318     | 6B      | R402     | 2A      | R423     | 4B      | C318     | 5B      | C422     | 3B      |
| D306                      | 6C      | R115     | 5A      | R319     | 5B      | R403     | 3A      | R424     | 4B      | C319     | 6B      |          |         |
| D307                      | 6B      | R118     | 3C      | R320     | 5B      | R404     | 3B      | C303     | 5A      | C401     | 1B      |          |         |
| D309                      | 3A      | R119     | 4C      | R321     | 5B      | R405     | 3A      | C304     | 5B      | C402     | 3C      |          |         |
| D310                      | 3B      | R120     | 4C      | R322     | 5B      | R406     | 3B      | C305     | 6B      | C409     | 3B      |          |         |
| D312                      | 5C      | R301     | 6C      | R323     | 5B      | R407     | 2B      | C306     | 6B      | C410     | 3B      |          |         |
| D313                      | 5C      | R302     | 2C      | R324     | 5B      | R408     | 2B      | C307     | 5B      | C411     | 3B      |          |         |

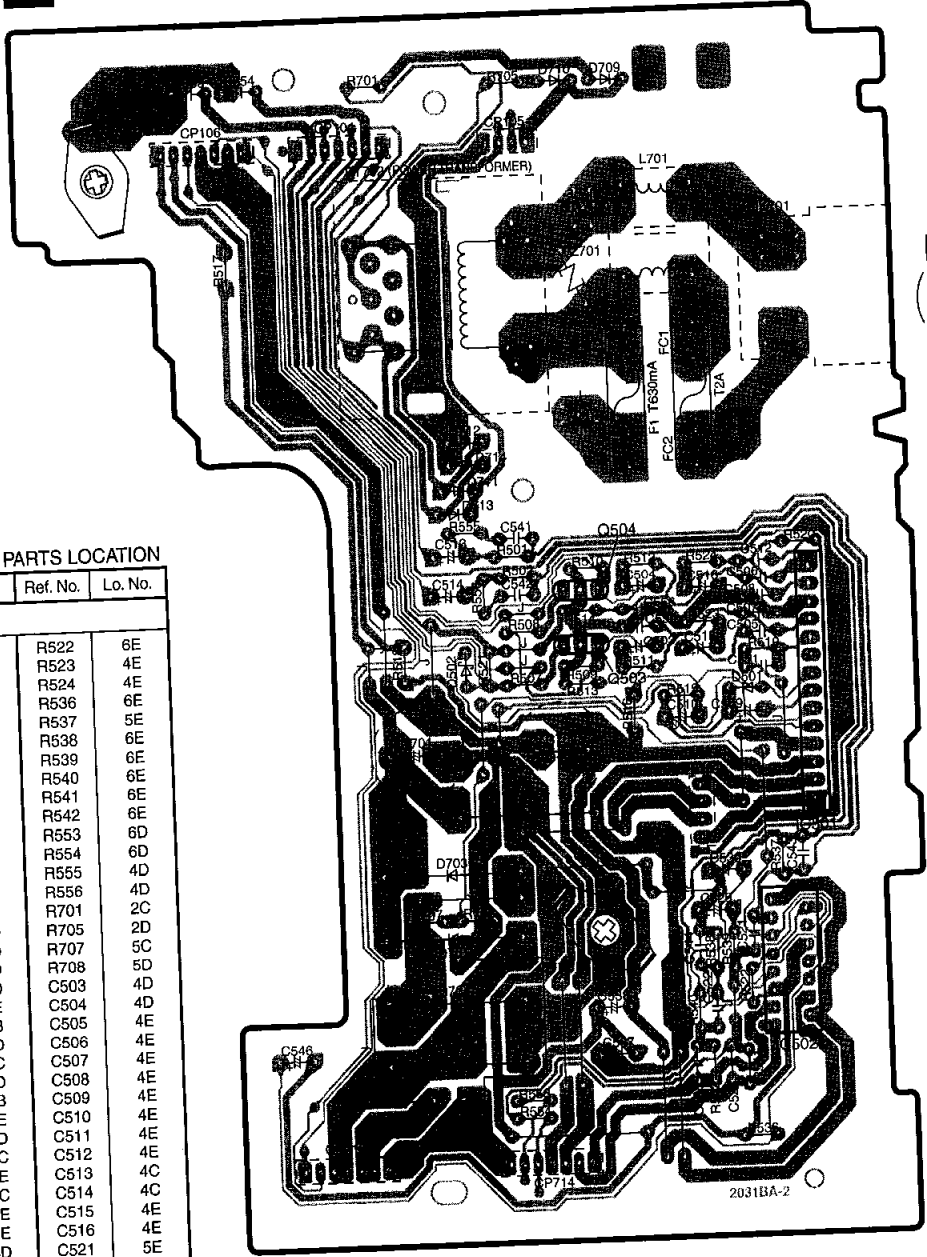
**ELECTRICAL PARTS LOCATION**

| Ref. No.                        | Lo. No. | Ref. No. | Lo. No. |
|---------------------------------|---------|----------|---------|
| <b>C HEADPHONES JACK P.C.B.</b> |         |          |         |
| CN303                           | 6E      | C301     | 5E      |
| JK301                           | 5E      | C302     | 5E      |
| <b>E POWER TRANSFORMER</b>      |         |          |         |
| D715                            | 2F      | CN705    | 2E      |
| PT701                           | 3E      | CN706    | 2E      |
| FP701                           | 2E      | CN707    | 2D      |
| FP702                           | 2E      | CN708    | 2D      |
| RL702                           | 3F      | CN709    | 3E      |
| CN701                           | 2F      | CN710    | 3E      |
| CN702                           | 2E      | W713     | 2F      |
| CN703                           | 2E      | W716     | 2E      |
| CN704                           | 2E      |          |         |

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**D** MAIN P.C.B.



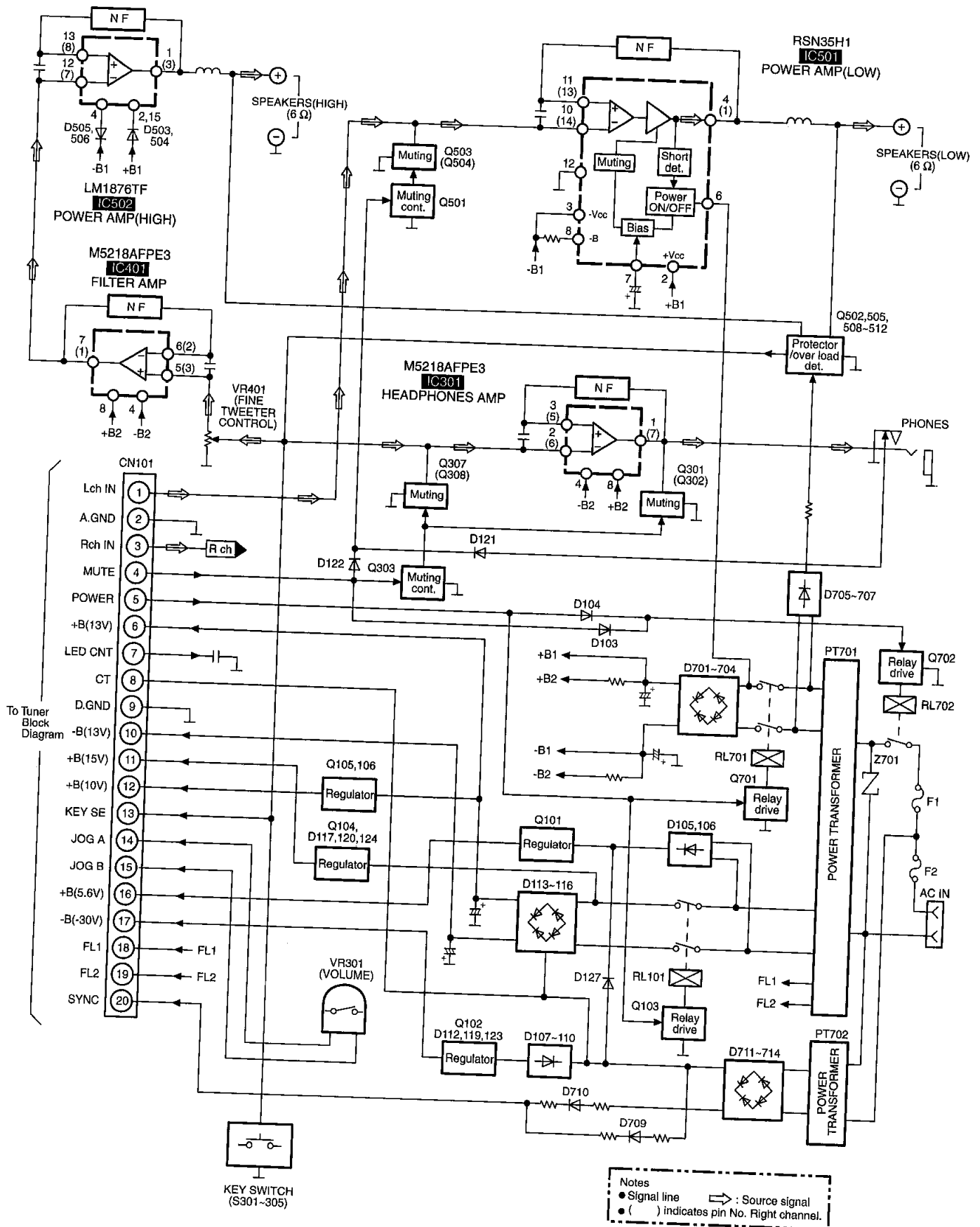
AC IN  
(230V ... [E,EG,EP])  
(230-240V ... [EB])  
50Hz

**ELECTRICAL PARTS LOCATION**

| Ref. No.             | Lo. No. | Ref. No. | Lo. No. |
|----------------------|---------|----------|---------|
| <b>D MAIN P.C.B.</b> |         |          |         |
| IC501                | 4E      | R522     | 6E      |
| IC502                | 6E      | R523     | 4E      |
| Q503                 | 4D      | R524     | 4E      |
| Q504                 | 4D      | R536     | 6E      |
| D501                 | 4E      | R537     | 5E      |
| D502                 | 4D      | R638     | 6E      |
| D701                 | 5C      | R539     | 6E      |
| D702                 | 6C      | R540     | 6E      |
| D703                 | 5C      | R541     | 6E      |
| D704                 | 6C      | R542     | 6E      |
| D709                 | 2D      | R553     | 6D      |
| D710                 | 2D      | R554     | 6D      |
| D711                 | 3D      | R555     | 4D      |
| D712                 | 3D      | R556     | 4D      |
| D713                 | 4D      | R701     | 2C      |
| D714                 | 3D      | R705     | 2D      |
| L701                 | 2D      | R707     | 5C      |
| Z701                 | 2D      | R708     | 5D      |
| F1                   | 3D      | C503     | 4D      |
| F2                   | 3E      | C504     | 4D      |
| E502                 | 2B      | C505     | 4E      |
| E701                 | 5D      | C506     | 4E      |
| CP104                | 2C      | C507     | 4E      |
| CP105                | 2D      | C508     | 4E      |
| CP106                | 2B      | C509     | 4E      |
| CP701                | 5E      | C510     | 4E      |
| CP714                | 6D      | C511     | 4E      |
| CP715                | 6C      | C512     | 4E      |
| JK701                | 2E      | C513     | 4C      |
| PT702                | 2C      | C514     | 4C      |
| FC1                  | 3E      | C515     | 4E      |
| FC2                  | 3E      | C516     | 4E      |
| FC3                  | 3D      | C521     | 5E      |
| FC4                  | 3D      | C522     | 6E      |
| R501                 | 4D      | C527     | 6E      |
| R502                 | 4D      | C528     | 6E      |
| R507                 | 4D      | C529     | 5E      |
| R508                 | 4D      | C530     | 5E      |
| R509                 | 4D      | C537     | 6D      |
| R510                 | 4D      | C538     | 6D      |
| R511                 | 4D      | C541     | 4D      |
| R512                 | 4D      | C542     | 4D      |
| R513                 | 4D      | C543     | 5E      |
| R514                 | 4D      | C544     | 6E      |
| R515                 | 4E      | C546     | 6C      |
| R516                 | 4D      | C553     | 2B      |
| R517                 | 2C      | C554     | 2C      |
| R518                 | 4C      | C555     | 4D      |
| R519                 | 4E      | C556     | 4D      |
| R520                 | 4E      | C701     | 5C      |
| R521                 | 4D      | C702     | 5D      |

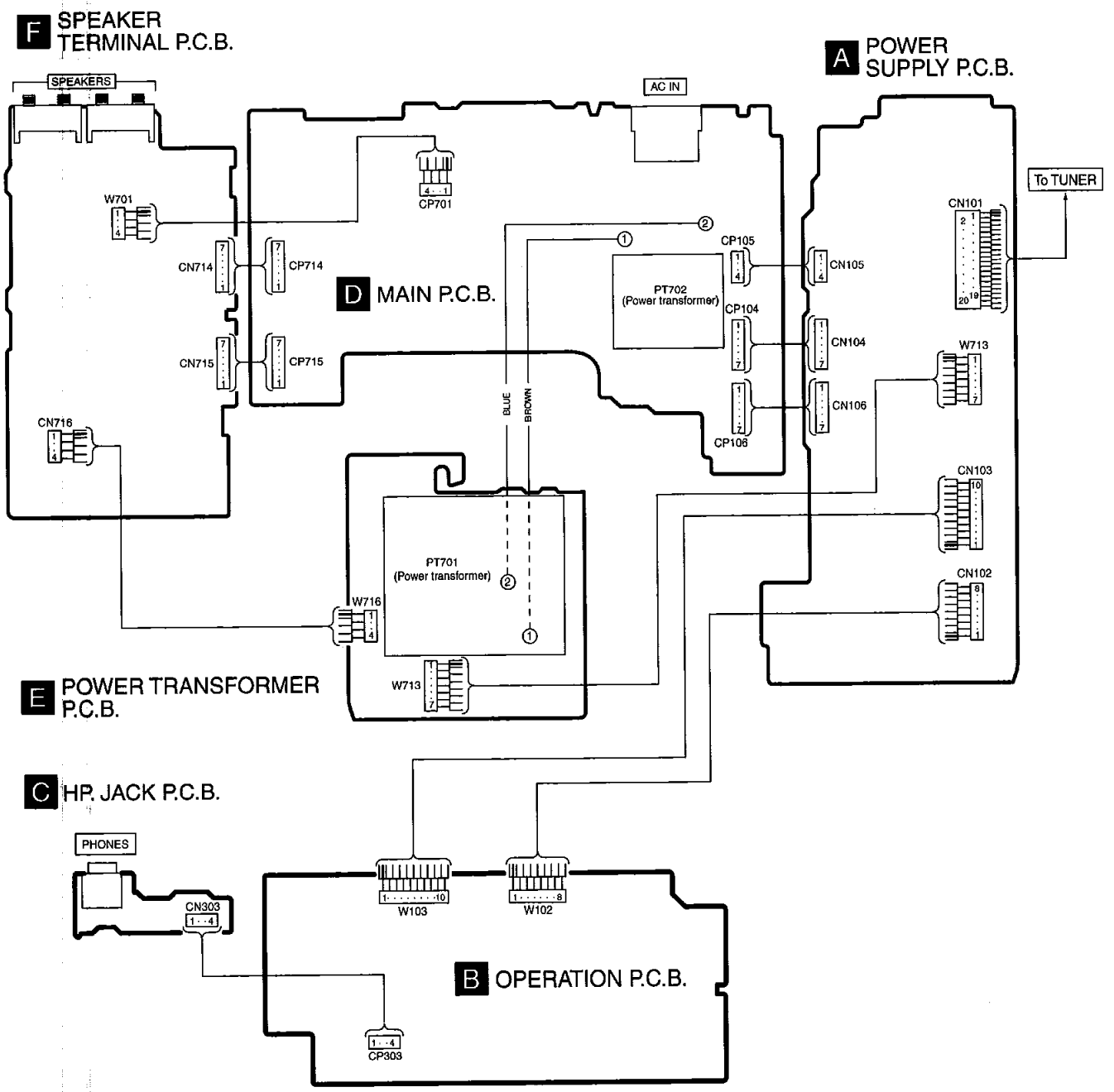
(REP2955A-M)

# 11 Block Diagram





# 12 Wiring Connection Diagram



# 13 Replacement Parts List

## Notes:

\* Important safety notice:

Components identified by  $\Delta$  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.

Parts without these indications can be used for all areas.

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

\* Capacity values are in microfarads ( $\mu$ F) 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)

\* "<IA>, <IB>, <IC>, <ID>, <IE>" marks in Remarks indicate languages of instruction manuals.

[<IA> : Spanish / Swedish, <IB> : English, <IC> : German / Italian / French, <ID> : Netherlands / Danish, <IE> : Russian / Czeco / Polish]

\*The markings (RTL) indicate that the Retention Time is limited for these items. After the discontinuation of these assemblies in production, the items will continue to be available for a specific period of time. The retention period of availability is dependant on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.

| Ref. No. | Part No.     | Part Name & Description  | Pcs | Remarks  |
|----------|--------------|--------------------------|-----|----------|
|          |              |                          |     |          |
| 1        | RHD30007-S   | SCREW                    | 4   |          |
| 2        | RKM0412-N    | CABINET                  | 1   |          |
| 3        | XTBS3+10JFZ1 | SCREW                    | 1   |          |
| 4        | REX0962      | FLAT CABLE (20P)         | 1   |          |
| 5        | RMZ0339      | ZNR COVER                | 1   |          |
| 6        | XTB3+8JFZ    | SCREW                    | 3   |          |
| 7        | RGN1777C-K   | NAME PLATE               | 1   | (E) (EG) |
| 7        | RGN1777D-K   | NAME PLATE               | 1   | (EB)     |
| 7        | RGN1777E-K1  | NAME PLATE               | 1   | (EP)     |
| 8        | RKA0114-K    | FOOT                     | 4   |          |
| 8-1      | RKA0083-K    | CUSHION                  | 4   |          |
| 9        | XTB3+5JFZ    | SCREW                    | 4   |          |
| 10       | RGG0173A-N   | FRONT PANEL              | 1   |          |
| 11       | RGL0480-Q    | STANDBY INDICATOR        | 1   |          |
| 12       | RGPO774A-N   | SUB PANEL                | 1   |          |
| 13       | RGU1856-N    | BUTTON,                  | 1   |          |
| 14       | RGW0336-N    | KNOB,                    | 1   |          |
| 15       | RGW0337-N    | KNOB,                    | 1   |          |
| 16       | RHD26016     | SCREW                    | 1   |          |
| 17       | RHN90001     | NUT                      | 2   |          |
| 18       | XTBS26+8J    | SCREW                    | 7   |          |
| 19       | XTBS3+8JFZ1  | SCREW                    | 8   |          |
| 20       | XTB3+12FFZ   | SCREW                    | 1   |          |
| 21       | XTB3+20JFZ   | SCREW                    | 3   |          |
| 22       | XTB3+6JFZ    | SCREW                    | 4   |          |
| 23       | XTW3+15T     | SCREW                    | 3   |          |
|          |              |                          |     |          |
| A1       | RAK-HDA25WH  | REMOTE CONT. TRANSMITTER | 1   |          |

| Ref. No. | Part No.     | Part Name & Description    | Pcs | Remarks                   |
|----------|--------------|----------------------------|-----|---------------------------|
| A1-1     | RKK0123-K1   | BATT. COVER (REMOTE CONT.) | 1   |                           |
| A2       | REE0499      | SPEAKER CORD               | 2   |                           |
| A3       | REE0853      | SPEAKER CORD               | 2   |                           |
| A4       | RJA0019-X    | AC POWER SUPPLY CORD       | 1   | (E) (EG) (EP)<br>$\Delta$ |
| A4       | RJA0053-2X   | AC POWER SUPPLY CORD       | 1   | (EB) $\Delta$             |
| A5       | RQA0117      | WARRANTY CARD              | 1   |                           |
| A6       | RQCB0169     | SERVICENTER LIST           | 1   |                           |
| A7       | RQT5311-E    | INSTRUCTION MANUAL         | 1   | (E) <IA>                  |
| A7       | RQT5296-B    | INSTRUCTION MANUAL         | 1   | (EB) (EP) <IB>            |
| A7       | RQT5294-D    | INSTRUCTION MANUAL         | 1   | (EG) <IC>                 |
| A7       | RQT5295-H    | INSTRUCTION MANUAL         | 1   | (EG) <ID>                 |
| A7       | RQT5297-R    | INSTRUCTION MANUAL         | 1   | (EP) <IE>                 |
| A8       | RSA0007      | FM INDOOR ANTENNA          | 1   |                           |
| A9       | RSA0022-J    | AM LOOP ANTENNA            | 1   |                           |
| A10      | RQCA0726     | QUICK SET-UP GUIDE         | 1   | (EB)                      |
| A11      | SJP9009      | AC PLUG ADAPTOR            | 1   | (EB) $\Delta$             |
|          |              |                            |     |                           |
| C101     | RCE1EM471BV  | 25V 470U                   | 1   | $\Delta$                  |
| C102     | ECA2AM470    | 100V 47U                   | 1   | $\Delta$                  |
| C103     | ECA1EAM101XB | 25V 100U                   | 1   | $\Delta$                  |
| C104,05  | ECA1HM470    | 50V 47U                    | 2   | $\Delta$                  |
| C106     | ECBT1H103KB5 | 50V 0.01U                  | 1   |                           |
| C107     | RCE1AKA470BG | 10V 47U                    | 1   |                           |
| C108     | RCE1VKA100BG | 35V 10U                    | 1   |                           |
| C109     | RCE1AKA470BG | 10V 47U                    | 1   |                           |
| C110     | ECEA1VKS470  | 35V 47U                    | 1   |                           |
| C111,12  | ECKR1H103ZF5 | 50V 0.01U                  | 2   |                           |
| C113     | ECBT1H103KB5 | 50V 0.01U                  | 1   |                           |
| C114     | ECA1EAM101XB | 25V 100U                   | 1   |                           |
| C115     | ECA1EM222    | 25V 2200U                  | 1   | $\Delta$                  |
| C116     | RCE1EM471BV  | 25V 470U                   | 1   | $\Delta$                  |
| C117     | ECBT1H103KB5 | 50V 0.01U                  | 1   |                           |
| C118,19  | ECA1EAK100XB | 25V 10U                    | 2   |                           |
| C120     | ECA1EAM101XB | 25V 100U                   | 1   | $\Delta$                  |
| C121,22  | ECBT1H103KB5 | 50V 0.01U                  | 2   |                           |
| C123,24  | ECEA1EKS4R7  | 25V 4.7U                   | 2   |                           |
| C125     | ECBT1H103KB5 | 50V 0.01U                  | 1   |                           |
| C126     | ECA1HM470    | 50V 47U                    | 1   |                           |
| C127     | ECEA1CKS101  | 16V 100U                   | 1   | $\Delta$                  |
| C128-30  | ECBT1H101KB5 | 50V 100P                   | 3   |                           |
| C301,02  | ECBT1H473ZF5 | 50V 0.047U                 | 2   |                           |
| C303     | ECEA1AKS221  | 10V 220U                   | 1   |                           |
| C304     | ECEA0JKS101  | 6.3V 100U                  | 1   |                           |
| C305,06  | ECBT1E103ZF  | 25V 0.01U                  | 2   |                           |
| C307-10  | ECBT1H101KB5 | 50V 100P                   | 4   |                           |
| C311,12  | ECA1HAK010XI | 50V 1U                     | 2   |                           |
| C313,14  | ECBT1H331KB5 | 50V 330P                   | 2   |                           |
| C315,16  | ECEA1EKS4R7  | 25V 4.7U                   | 2   |                           |
| C317,18  | ECBT1E103ZF  | 25V 0.01U                  | 2   |                           |
| C319     | ECBT1H101KB5 | 50V 100P                   | 1   |                           |
| C401,02  | ECA1HAK010XI | 50V 1U                     | 2   |                           |
| C409,10  | ECBT1H561KB5 | 50V 560P                   | 2   |                           |
| C411,12  | ECBT1H121KB5 | 50V 120P                   | 2   |                           |
| C413,14  | ECBT1E103ZF  | 25V 0.01U                  | 2   |                           |
| C415,16  | ECQB1H223JF3 | 50V 0.022U                 | 2   |                           |
| C417,18  | ECBT1H150JCS | 50V 15P                    | 2   |                           |
| C419,20  | ECBT1H561KB5 | 50V 560P                   | 2   |                           |
| C421,22  | ECA1EAK100XB | 25V 10U                    | 2   |                           |
| C501     | ECEA1CKN4R7  | 16V 4.7U                   | 1   |                           |
| C502     | ECEA0JKS101  | 6.3V 100U                  | 1   |                           |
| C503,04  | ECA1HAK3R3XB | 50V 3.3U                   | 2   |                           |
| C505,06  | ECBT1C272KR5 | 16V 2700P                  | 2   |                           |
| C507,08  | ECBT1H102KB5 | 50V 1000P                  | 2   |                           |
| C509     | ECEA1HKA330B | 50V 33U                    | 1   |                           |
| C510     | ECEA1HSN2R2  | 50V 2.2U                   | 1   |                           |
| C511,12  | ECBT1H330J5  | 50V 33P                    | 2   |                           |

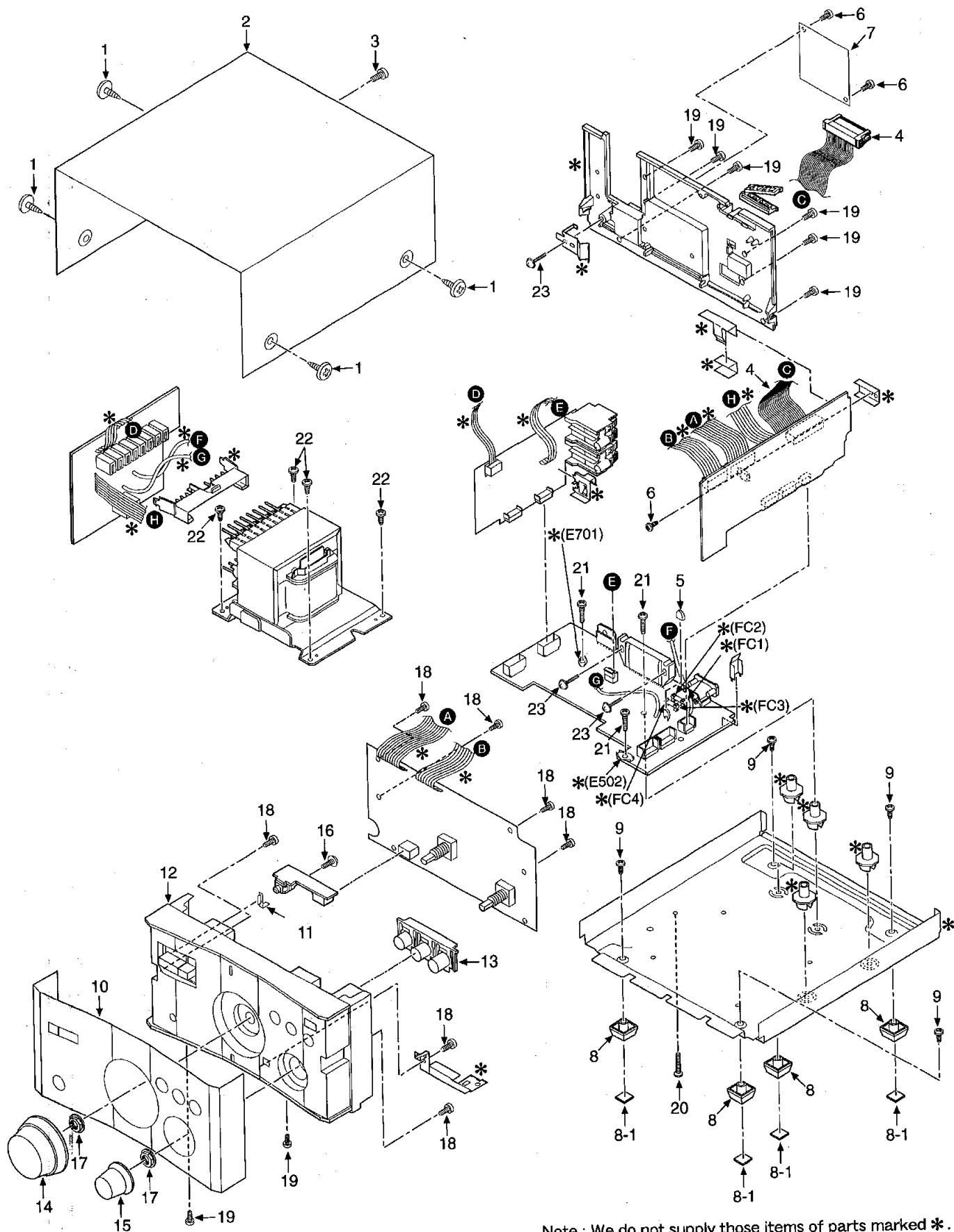
| Ref. No. | Part No.     | Part Name & Description | Pcs | Remarks |
|----------|--------------|-------------------------|-----|---------|
| C513,14  | ECA1EAK100XB | 25V 10U                 | 2   |         |
| C515,16  | ECA1HAK3R3XB | 50V 3.3U                | 2   |         |
| C517,18  | ECBT1H104ZF5 | 50V 0.1U                | 2   |         |
| C519     | ECEA0JKS101  | 6.3V 100U               | 1   |         |
| C520     | ECBT1E223ZF  | 25V 0.022U              | 1   |         |
| C521,22  | ECBT1C122KR5 | 16V 1200P               | 2   |         |
| C523,24  | ECBT1H473ZF5 | 50V 0.047U              | 2   |         |
| C525,26  | ECBT1H102KB5 | 50V 1000P               | 2   |         |
| C527,28  | ECBT1H300J5  | 50V 30P                 | 2   |         |
| C529,30  | ECA1EAK100XB | 25V 10U                 | 2   |         |
| C531,32  | ECBT1H104ZF5 | 50V 0.1U                | 2   |         |
| C533,34  | ECBT1H102KB5 | 50V 1000P               | 2   |         |
| C535,36  | ECBT1H473ZF5 | 50V 0.047U              | 2   |         |
| C537,38  | ECA1EAM101XB | 25V 100U                | 2   |         |
| C539,40  | ECBT1C332KR5 | 16V 3300P               | 2   |         |
| C541,42  | ECBT1H271KB5 | 50V 270P                | 2   |         |
| C543,44  | ECBT1C222KR5 | 16V 2200P               | 2   |         |
| C545     | ECBT1E223ZF  | 25V 0.022U              | 1   |         |
| C546     | ECEA1HKS010  | 50V 1U                  | 1   |         |
| C547-50  | ECBT1H104ZF5 | 50V 0.1U                | 4   |         |
| C551,52  | ECA1EAK100XB | 25V 10U                 | 2   |         |
| C553,54  | ECBT1H473ZF5 | 50V 0.047U              | 2   |         |
| C555,56  | ECBT1C222KR5 | 16V 2200P               | 2   |         |
| C563,64  | ECBT1H473ZF5 | 50V 0.047U              | 2   |         |
| C701,02  | ECA1EAM472XE | 25V 4700U               | 2   | △       |
| C703     | ECQE1104KF3  | 100V 0.1U               | 1   |         |
| C704     | ECKR2H102ZF5 | 500V 1000P              | 1   |         |
| C705     | ECA1HM470    | 50V 47U                 | 1   | △       |
| CN101    | RJS2A5520-1  | CONNECTOR (20P)         | 1   |         |
| CN102    | RJS8T6ZA     | CONNECTOR (8P)          | 1   |         |
| CN103    | RJS10T6ZA    | CONNECTOR (10P)         | 1   |         |
| CN104    | RJU057W007   | CONNECTOR (7P)          | 1   |         |
| CN105    | RJU057W004   | CONNECTOR (4P)          | 1   |         |
| CN106    | RJU057W007   | CONNECTOR (7P)          | 1   |         |
| CN303    | RJU057W004   | CONNECTOR (4P)          | 1   |         |
| CN701-10 | RJS1A1101T1  | CONNECTOR (1P)          | 10  |         |
| CN714,15 | RJU057W007   | CONNECTOR (7P)          | 2   |         |
| CN716    | RJS4T6ZA     | CONNECTOR (4P)          | 1   |         |
| CP104    | RJT057W007-1 | CONNECTOR (7P)          | 1   |         |
| CP105    | RJT057W004-1 | CONNECTOR (4P)          | 1   |         |
| CP106    | RJT057W007-1 | CONNECTOR (7P)          | 1   |         |
| CP303    | RJT057W004-1 | CONNECTOR (4P)          | 1   |         |
| CP701    | RJS1A6604    | CONNECTOR (4P)          | 1   |         |
| CP714,15 | RJT057W007-1 | CONNECTOR (7P)          | 2   |         |
| D101     | MA4051M      | DIODE                   | 1   |         |
| D102-04  | MA165        | DIODE                   | 3   |         |
| D105-10  | RL1N4003N02  | DIODE                   | 6   | △       |
| D111     | MA4062M      | DIODE                   | 1   | △       |
| D112     | MA4240H      | DIODE                   | 1   | △       |
| D113,14  | 1N5402BF     | DIODE                   | 2   | △       |
| D115,16  | RL1N4003N02  | DIODE                   | 2   | △       |
| D117     | MA4160M      | DIODE                   | 1   | △       |
| D118     | MA4110M      | DIODE                   | 1   | △       |
| D119,20  | RL1N4003N02  | DIODE                   | 2   | △       |
| D121,22  | MA165        | DIODE                   | 2   |         |
| D123,24  | RL1N4003N02  | DIODE                   | 2   | △       |
| D125,26  | MA165        | DIODE                   | 2   |         |
| D127     | RL1N4003N02  | DIODE                   | 1   | △       |
| D128     | MA165        | DIODE                   | 1   |         |
| D301,02  | MTZJ7R5CTA   | DIODE                   | 2   | △       |
| D306     | SLR-325VC    | LED                     | 1   |         |
| D307     | MA165        | DIODE                   | 1   |         |
| D309,10  | MA4120M      | DIODE                   | 2   | △       |
| D312,13  | MTZJ7R5CTA   | DIODE                   | 2   | △       |
| D501     | MA4150M      | DIODE                   | 1   |         |
| D502     | MA719TA      | DIODE                   | 1   |         |
| D701-04  | 1N5402BF     | DIODE                   | 4   | △       |
| D705,06  | RL1N4003N02  | DIODE                   | 2   | △       |
| D707     | MA4051M      | DIODE                   | 1   | △       |
| D708-10  | MA165        | DIODE                   | 3   |         |
| D711-14  | RL1N4003N02  | DIODE                   | 4   | △       |

| Ref. No. | Part No.     | Part Name & Description  | Pcs | Remarks         |
|----------|--------------|--------------------------|-----|-----------------|
| D715     | MA165        | DIODE                    | 1   |                 |
| F1       | XBA2C06TB0   | FUSE, T0.63A             | 1   | △               |
| F2       | XBA2C20TB0   | FUSE, T2A                | 1   | △               |
| FP701,02 | RSFMB40KT-L  | FUSE PROTECTOR           | 2   | △               |
| IC301    | M5218AFPE3   | IC                       | 1   |                 |
| IC401    | M5218AFPE3   | IC                       | 1   |                 |
| IC501    | RSN35H1-P    | IC                       | 1   | △               |
| IC502    | LM1876TF     | IC                       | 1   |                 |
| JK301    | RJJ37TN01-2C | JACK, HEADPHONES         | 1   |                 |
| JK501    | RJR0054E     | JACK, SPEAKER            | 1   |                 |
| JK602    | RJR0054H     | JACK, SPEAKER            | 1   |                 |
| JK701    | SJS9236      | JACK, AC INLET           | 1   | △               |
| L501-04  | SLQY07G-40   | COIL, CHOKE              | 4   |                 |
| L701     | RLQZ371      | COIL                     | 1   | △               |
| P1       | RPF0139      | PROTECTION BAG (F.B.)    | 1   |                 |
| P2       | RPG4717      | PACKING CASE (AMPLIFIER) | 1   |                 |
| P3       | RPN1265      | CUSHION (AMPLIFIER )     | 1   |                 |
| P4       | RPG4754      | PACKING CASE (SYSTEM)    | 1   | (E)             |
| P4       | RPG4720      | PACKING CASE (SYSTEM)    | 1   | (EB)            |
| P4       | RPG4719      | PACKING CASE (SYSTEM)    | 1   | (EG)            |
| P4       | RPG4721      | PACKING CASE (SYSTEM)    | 1   | (EP)            |
| P5       | RPQ1030      | PAD                      | 1   |                 |
| P6       | SPP740-1     | PROTECTION BAG           | 1   |                 |
| PCB1     | REP2955A-M   | MAIN P.C.B.              | 1   | (RTL)           |
| PCB2     | REP2956A-S   | OPERATION P.C.B.         | 1   | (RTL)           |
| PT701    | RTP2M5B019   | POWER TRANSFORMER        | 1   | (E) △           |
| PT701    | RTP2M5E021   | POWER TRANSFORMER        | 1   | (E) (EG) (EP) △ |
| PT702    | RTP1I3E001   | POWER TRANSFORMER        | 1   | △               |
| Q101     | 2SD2374PQAU  | TRANSISTOR               | 1   | △               |
| Q102     | 2SB621A-R    | TRANSISTOR               | 1   | △               |
| Q103     | 2SC3311ATA   | TRANSISTOR               | 1   |                 |
| Q104     | 2SC3940AQSTA | TRANSISTOR               | 1   | △               |
| Q105     | 2SD2374PQAU  | TRANSISTOR               | 1   | △               |
| Q106     | 2SC3327A     | TRANSISTOR               | 1   | △               |
| Q301,02  | 2SC3327A     | TRANSISTOR               | 2   |                 |
| Q303     | UN4115       | TRANSISTOR               | 1   |                 |
| Q307,08  | 2SC3327A     | TRANSISTOR               | 2   |                 |
| Q501     | UN4115       | TRANSISTOR               | 1   |                 |
| Q502     | 2SC3311ATA   | TRANSISTOR               | 1   |                 |
| Q503,04  | 2SC3327A     | TRANSISTOR               | 2   |                 |
| Q505     | 2SC3311ATA   | TRANSISTOR               | 1   |                 |
| Q508,09  | 2SC3311ATA   | TRANSISTOR               | 2   |                 |
| Q510     | 2SA1309ATA   | TRANSISTOR               | 1   |                 |
| Q511     | 2SC3311ATA   | TRANSISTOR               | 1   |                 |
| Q512     | 2SA1309ATA   | TRANSISTOR               | 1   |                 |
| Q701,02  | 2SC3311ATA   | TRANSISTOR               | 2   |                 |
| R101     | ERDS2FJ103   | 1/4W 10K                 | 1   |                 |
| R102     | ERDS2FJ331   | 1/4W 330                 | 1   |                 |
| R104     | ERDS2FJ101   | 1/4W 100                 | 1   |                 |
| R105,06  | ERDS2FJ100   | 1/4W 10                  | 2   | △               |
| R107     | ERDS2FJ222   | 1/4W 2.2K                | 1   |                 |
| R108     | ERDS2FJ472   | 1/4W 4.7K                | 1   |                 |
| R109     | ERDS2FJ473   | 1/4W 47K                 | 1   |                 |
| R110     | ERDS2FJ392   | 1/4W 3.9K                | 1   |                 |
| R111     | ERDS1FJ181   | 1/2W 180                 | 1   | △               |
| R113     | ERDS2FJ392   | 1/4W 3.9K                | 1   |                 |
| R114     | ERDS2FJ102   | 1/4W 1K                  | 1   |                 |
| R115     | ERDS2FJ472   | 1/4W 4.7K                | 1   |                 |
| R116     | ERD2FVJ560T  | 1/4W 56                  | 1   | △               |
| R117     | ERD2FCG100   | 1/4W 10                  | 1   | △               |
| R118-20  | ERDS2FJ102   | 1/4W 1K                  | 3   |                 |

| Ref. No. | Part No.     | Part Name & Description | Pcs | Remarks |
|----------|--------------|-------------------------|-----|---------|
| R301     | ERDS2FJ821   | 1/4W 820                | 1   |         |
| R302     | ERDS2FJ102   | 1/4W 1K                 | 1   |         |
| R303     | ERDS2FJ122   | 1/4W 1.2K               | 1   |         |
| R306     | ERDS2FJ152   | 1/4W 1.5K               | 1   |         |
| R308     | ERDS2FJ102   | 1/4W 1K                 | 1   |         |
| R309,10  | ERD25FVJ560T | 1/4W 56                 | 2   | △       |
| R313,14  | ERDS2FJ121   | 1/4W 120                | 2   |         |
| R315-18  | ERDS2FJ470   | 1/4W 47                 | 4   |         |
| R319,20  | ERDS2FJ563   | 1/4W 56K                | 2   |         |
| R321-24  | ERDS2FJ123   | 1/4W 12K                | 4   |         |
| R331,32  | ERDS2FJ472   | 1/4W 4.7K               | 2   |         |
| R333,34  | ERDS2FJ121   | 1/4W 120                | 2   |         |
| R336     | ERDS2FJ121   | 1/4W 120                | 1   |         |
| R337-40  | ERDS2FJ470   | 1/4W 47                 | 4   | △       |
| R401,02  | ERDS2FJ104   | 1/4W 100K               | 2   |         |
| R403,04  | ERDS2FJ223   | 1/4W 22K                | 2   |         |
| R405,06  | ERDS2FJ821   | 1/4W 820                | 2   |         |
| R407,08  | ERDS2FJ473   | 1/4W 47K                | 2   |         |
| R411,12  | ERDS2FJ223   | 1/4W 22K                | 2   |         |
| R413-16  | ERDS2FJ104   | 1/4W 100K               | 4   |         |
| R417,18  | ERDS2FJ333   | 1/4W 33K                | 2   |         |
| R419,20  | ERDS2FJ152   | 1/4W 1.5K               | 2   |         |
| R423,24  | ERDS2FJ331   | 1/4W 330                | 2   |         |
| R501,02  | ERDS2FJ223   | 1/4W 22K                | 2   |         |
| R504     | ERDS2FJ105   | 1/4W 1M                 | 1   |         |
| R505-08  | ERDS2FJ103   | 1/4W 10K                | 4   |         |
| R509,10  | ERDS2FJ104   | 1/4W 100K               | 2   |         |
| R511,12  | ERDS2FJ103   | 1/4W 10K                | 2   |         |
| R513,14  | ERDS2FJ563   | 1/4W 56K                | 2   |         |
| R515     | ERDS2FJ334   | 1/4W 330K               | 1   |         |
| R516     | ERDS1FJ331   | 1/2W 330                | 1   | △       |
| R517,18  | ERDS2FJ2R2   | 1/4W 2.2                | 2   | △       |
| R519,20  | ERDS2FJ563   | 1/4W 56K                | 2   |         |
| R521     | ERDS2FJ684   | 1/4W 680K               | 1   |         |
| R522     | ERDS2FJ473   | 1/4W 47K                | 1   |         |
| R523,24  | ERDS2FJ272   | 1/4W 2.7K               | 2   |         |
| R525,26  | ERDS2FJ100   | 1/4W 10                 | 2   | △       |
| R527,28  | ERDS1FJ100   | 1/2W 10                 | 2   | △       |
| R529     | ERDS2FJ823   | 1/4W 82K                | 1   |         |
| R530     | ERDS2FJ124   | 1/4W 120K               | 1   |         |
| R531     | ERDS2FJ563   | 1/4W 56K                | 1   |         |
| R532     | ERDS2FJ564   | 1/4W 560K               | 1   |         |
| R533     | ERDS2FJ223   | 1/4W 22K                | 1   |         |
| R534     | ERDS2FJ103   | 1/4W 10K                | 1   |         |
| R535,36  | ERDS2FJ473   | 1/4W 47K                | 2   |         |
| R537,38  | ERDS2FJ222   | 1/4W 2.2K               | 2   |         |
| R539,40  | ERDS2FJ103   | 1/4W 10K                | 2   |         |
| R541,42  | ERDS2FJ104   | 1/4W 100K               | 2   |         |
| R543,44  | ERDS2FJ100   | 1/4W 10                 | 2   | △       |
| R545     | ERDS2FJ124   | 1/4W 120K               | 1   |         |
| R546     | ERDS2FJ823   | 1/4W 82K                | 1   |         |
| R547,48  | ERDS1FJ100   | 1/2W 10                 | 2   | △       |
| R549     | ERDS2FJ563   | 1/4W 56K                | 1   |         |
| R550     | ERDS2FJ223   | 1/4W 22K                | 1   |         |
| R551,52  | ERX1SJR33    | 1W 0.33                 | 2   |         |
| R553,54  | ERDS2FJ103   | 1/4W 10K                | 2   |         |
| R555,56  | ERDS2FJ272   | 1/4W 2.7K               | 2   |         |
| R557     | ERDS2FJ564   | 1/4W 560K               | 1   |         |
| R559,60  | ERDS1FJ471   | 1/2W 470                | 2   | △       |
| R701     | ERDS2FJ102   | 1/4W 1K                 | 1   |         |
| R702     | ERDS2FJ392   | 1/4W 3.9K               | 1   |         |
| R703     | ERDS2FJ333   | 1/4W 33K                | 1   |         |
| R704     | ERDS1FJ181   | 1/2W 180                | 1   | △       |
| R705     | ERDS2FJ102   | 1/4W 1K                 | 1   |         |
| R706     | ERDS2FJ392   | 1/4W 3.9K               | 1   |         |
| R707     | ERDS2FJ684   | 1/4W 680K               | 1   |         |
| R708     | ERDS2FJ104   | 1/4W 100K               | 1   |         |
| R709     | ERDS2FJ473   | 1/4W 47K                | 1   |         |
| RL101    | RSY0017M-0   | RELAY                   | 1   | △       |
| RL701    | RSY0017M-0   | RELAY                   | 1   | △       |
| RL702    | RSY0040M-0   | RELAY                   | 1   | △       |
| S301-05  | EVQ11G05R    | SW, PUSH                | 5   |         |

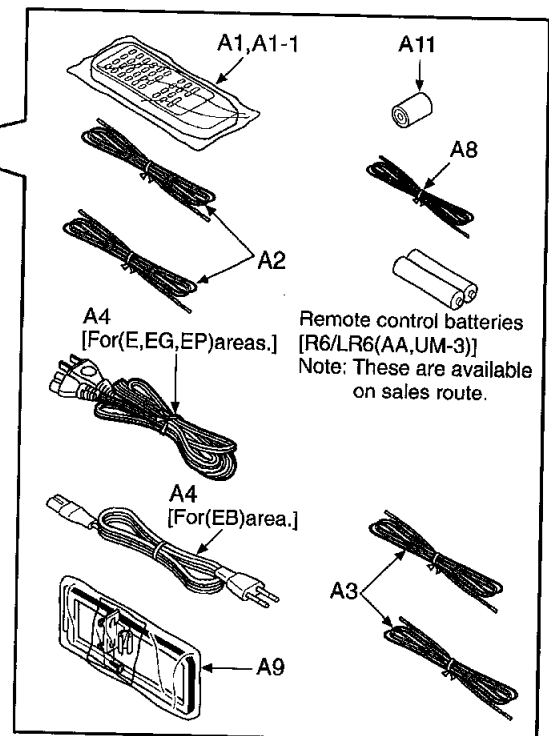
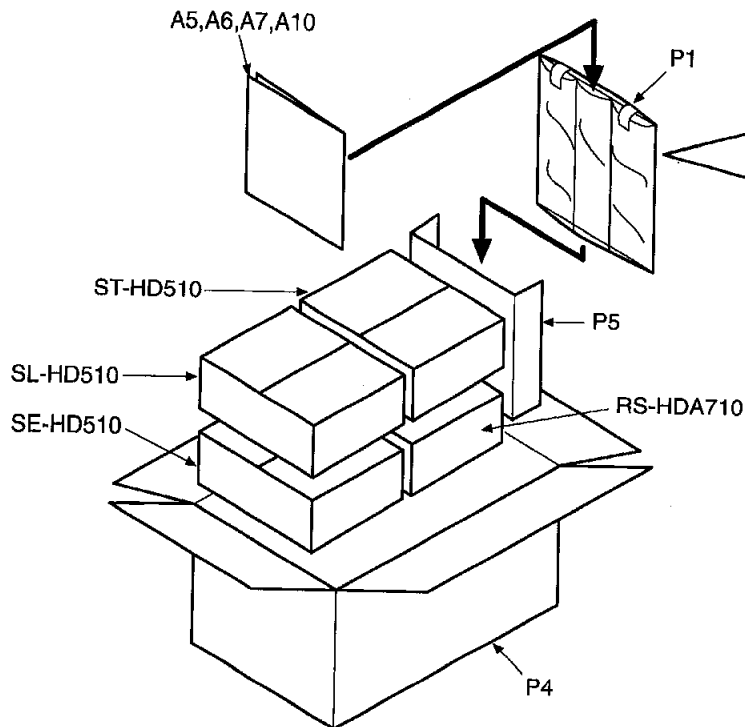
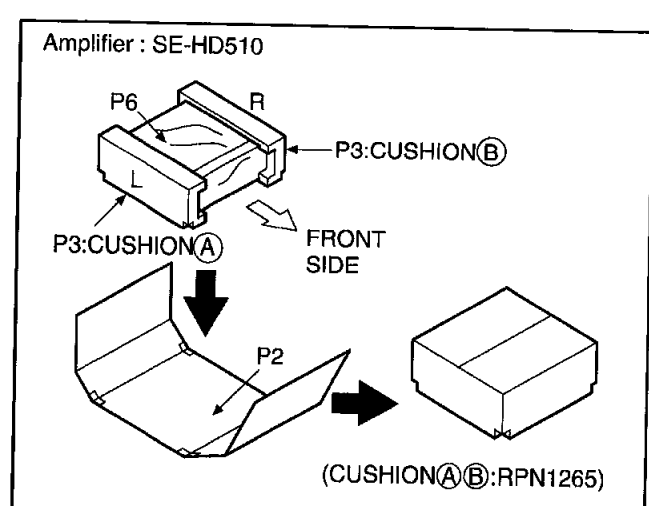
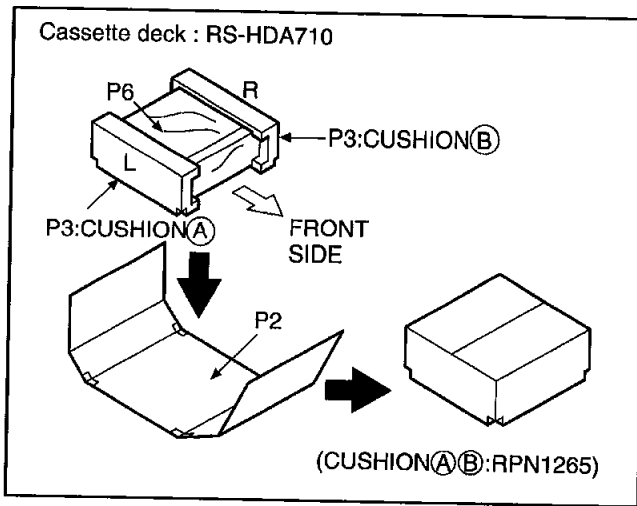
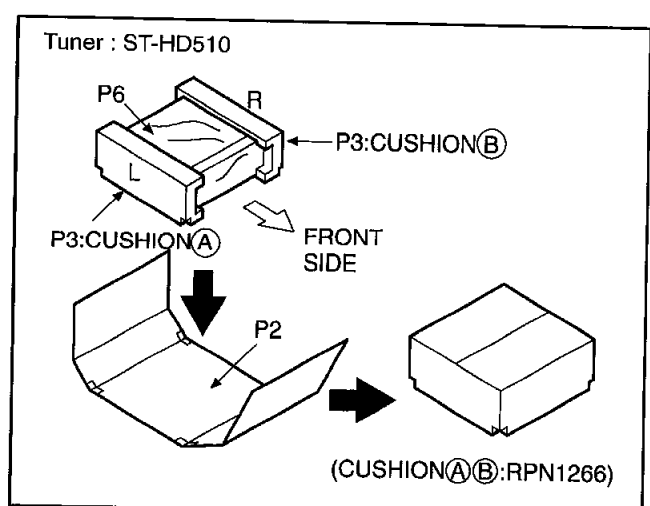
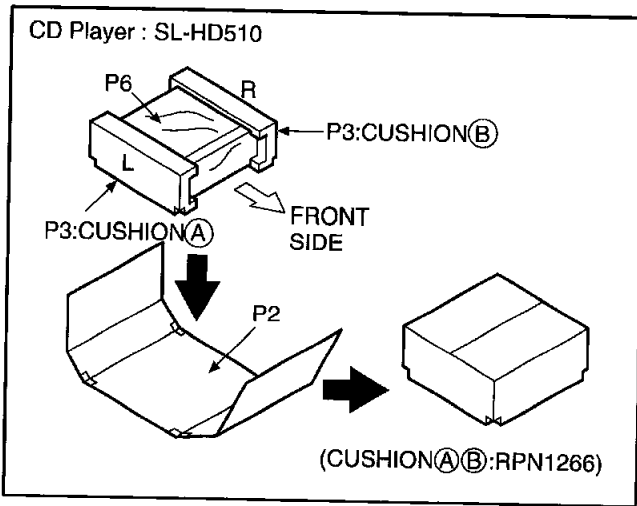
| Ref. No. | Part No.     | Part Name & Description    | Pcs | Remarks |
|----------|--------------|----------------------------|-----|---------|
| VR301    | EVEKD2F3024B | V.R., VOLUME               | 1   |         |
| VR401    | RRV14F01B54A | V.R., FINE TWEETER CONTROL | 1   |         |
| Z701     | ERZV10V511CS | ZNR                        | 1   | △       |

# 14 Cabinet Parts Location



Note : We do not supply those items of parts marked \*.

# 15 Packaging







**KRI I**

Door No.  
3

Drop No.  
0

Customer: TECHNICA42

Load: SPOWE1

Model: AD0001015C2

Assemble at: 60

Qty: 1

05/07/00



**51f**