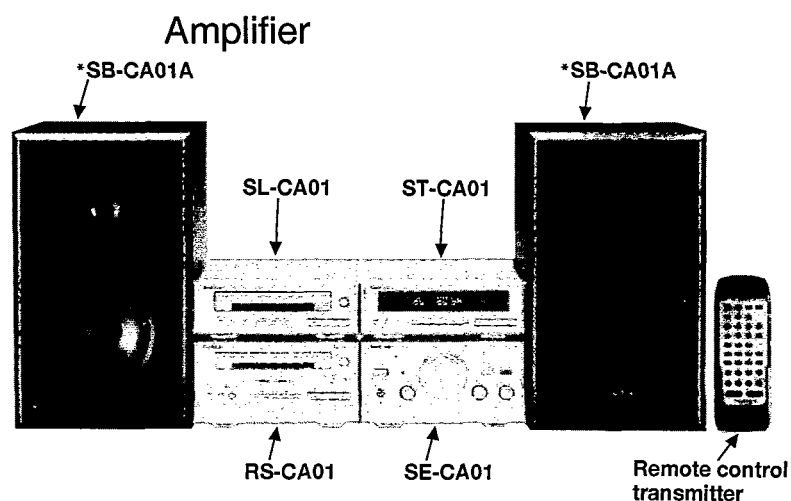


# Service Manual

Amplifier

SE-CA01



Colour

(N)...Gold Type

Areas

| Suffix for Model No. | Area               | Colour |
|----------------------|--------------------|--------|
| (E)                  | Europe.            | (N)    |
| (EB)                 | Great Britain.     |        |
| (EG)                 | Germany and Italy. |        |

System: SC-CA01

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

## SPECIFICATIONS

### Amplifier section

#### Power output

DIN 1 kHz, THD 1%, both channel driven 2×45 W (6Ω)

RMS 1 kHz, THD 10%, both channel driven 2×60 W (6Ω)

#### Total harmonic distortion

Rated power at 1 kHz 1% (6Ω)

Half power at 1 kHz 0.09% (6Ω)

Load impedance 6Ω

### General

#### Power consumption

100 W

#### Power supply

[For (E, EG) areas]

230 V, AC 50 Hz

[For (EB) area]

230 – 240 V, AC 50 Hz

#### Dimensions (W×H×D)

186×103×255 mm

#### Weight

3.9 kg

#### Notes:

1. Specifications are subject to change without notice.
2. Weight and dimensions are approximate.
3. Total harmonic distortion is measured by the digital spectrum analyzer.

| System  | Tuner   | CD Player | Amplifier | Cassette deck | Speakers  |
|---------|---------|-----------|-----------|---------------|-----------|
| SC-CA01 | ST-CA01 | SL-CA01   | SE-CA01   | RS-CA01       | *SB-CA01A |

\* Made in PAES

### ⚠ 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®

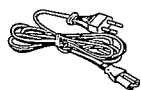
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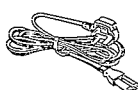
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## ACCESSORIES

- AC power supply cord ..... 1 pc.  
For (E, EG) areas: (RJA0019-2K)  
For (EB) area: (VJA0733)
- Flat cable..... 1 pc.  
Long (REX0812)/Middle (REX0813)/  
Short (REX0608)
- Screw ..... 1 pc.  
(XTN3+12AFZ)



(RJA0019-2K)



(RJA0049-K)

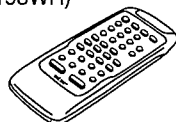


(REX0812)

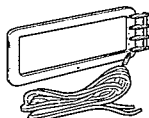
(REX0813)

(REX0608)

- Remote control transmitter ..... 1 pc.  
(RAK-CH193WH)



- AM loop antenna ..... 1 pc.  
(RSA0012)

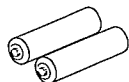


- Antenna holder ..... 1 pc.  
(RMN0244)



- Batteries ..... 2 pcs.  
(UM-4, "AAA", R03)

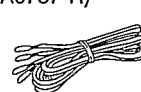
**Note:** These are available on sales route.



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



- Speaker cords ..... 2 pcs.  
(RFA0737-R)



- Attachment plug ..... 1 pc.  
For (EB) area only: (SJP9009)



## BEFORE REPAIR AND ADJUSTMENT

- Turn off the power supply using a 10Ω, 10 W resistor, connect both ends of power supply capacitors (C715~718) in order to discharge the voltage.
- 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.

| Area                      | (E) (EG) |           | (EB)     |           |
|---------------------------|----------|-----------|----------|-----------|
| Power supply voltage      | AC 230 V |           | AC 240 V |           |
| Consumed current 50/60 Hz | 50 Hz    | 60~180 mA | 50 Hz    | 55~175 mA |
|                           | 60 Hz    | 48~144 mA | 60 Hz    | 44~140 mA |

## ■ PROTECTION CIRCUITRY

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

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

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

If this occurs, follow the procedure outlined below:

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

### Note:

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

## ■ CAUTION FOR AC MAIN LEAD

[For (EB) area 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 wire in this mains lead are coloured in accordance with the following code:

- Blue: Neutral
- Brown: Live

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

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

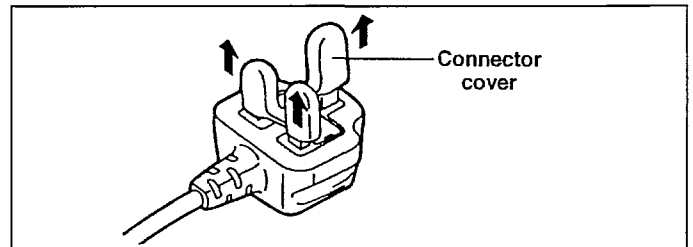
This apparatus was produced to BS 800.

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

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

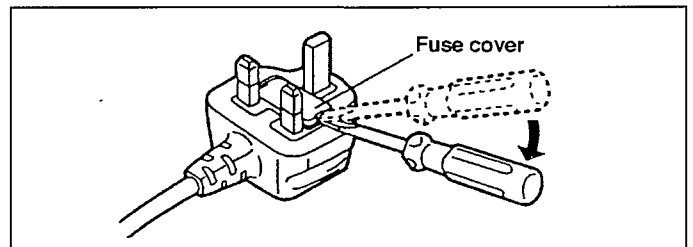
### Before use

Remove the connector cover as follows.

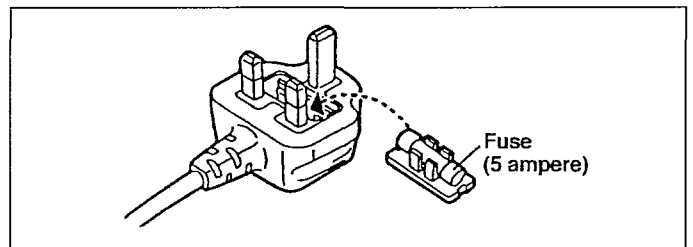


### How to replace the fuse

1. Remove the fuse cover with a screwdriver.



2. Replace the fuse and attach the fuse cover.



## LOCATION OF CONTROLS

### ① Power "STANDBY /ON" switch

#### (POWER, STANDBY /ON)

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

### ② Standby indicator (STANDBY)

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

### ③ Volume control (VOLUME)

### ④ Source direct button (SOURCE DIRECT)

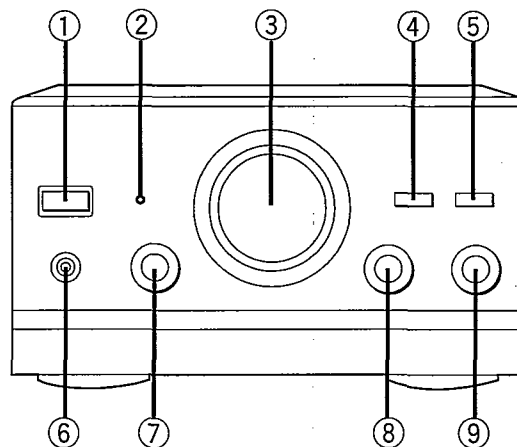
### ⑤ Vocal presence button (VOCAL PRESENCE)

### ⑥ Headphones jack (PHONES)

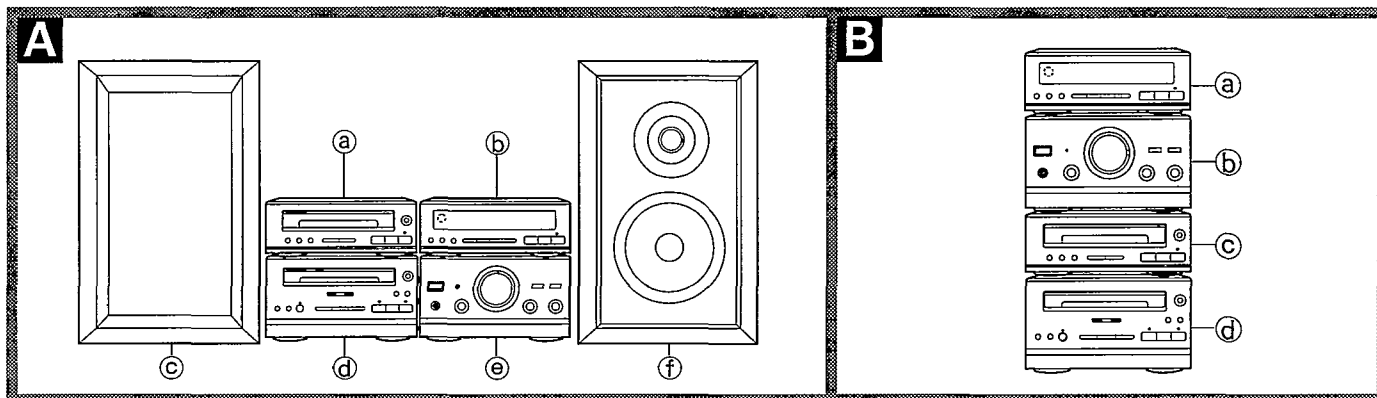
### ⑦ Balance control (BALANCE)

### ⑧ Bass control (BASS)

### ⑨ Treble control (TREBLE)



## INSTALLATION



### Stacking the components

#### Horizontal stacking **A**

- ① CD player (SL-CA01)
- ② Tuner (ST-CA01)
- ③ Left speaker (SB-CA01A)
- ④ Cassette deck (RS-CA01)
- ⑤ Amplifier (SE-CA01)
- ⑥ Right speaker (SB-CA01A)

#### Vertical stacking **B**

- ① Tuner (ST-CA01)
- ② Amplifier (SE-CA01)
- ③ CD player (SL-CA01)
- ④ Cassette deck (RS-CA01)

#### Caution

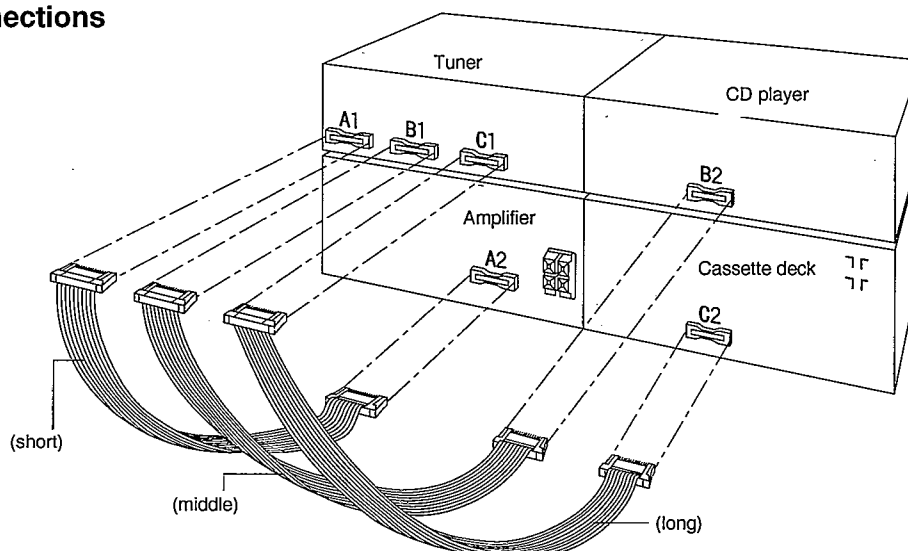
Use the speakers only with the recommended system. Failure to do so may lead to damage to the amplifier and/or the speakers, and may result in the risk of fire. Consult a qualified service person if damage has occurred or if you experience a sudden change in performance.

#### Note

Left and right speakers are exactly the same.

## SYSTEM EQUIPMENT CONNECTIONS

### • Flat cable (included) connections



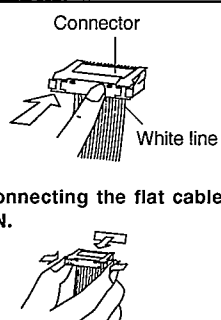
#### Before making connections:

Make sure the white line on the cable is on the right side.

#### To unplug cables:

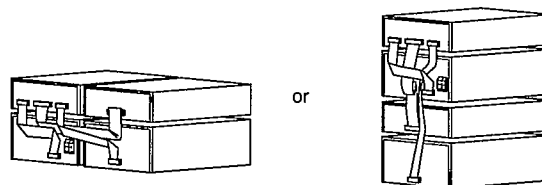
Hold the connector from both ends.

**Note** Do not try connecting or disconnecting the flat cables while the power is switched to ON.

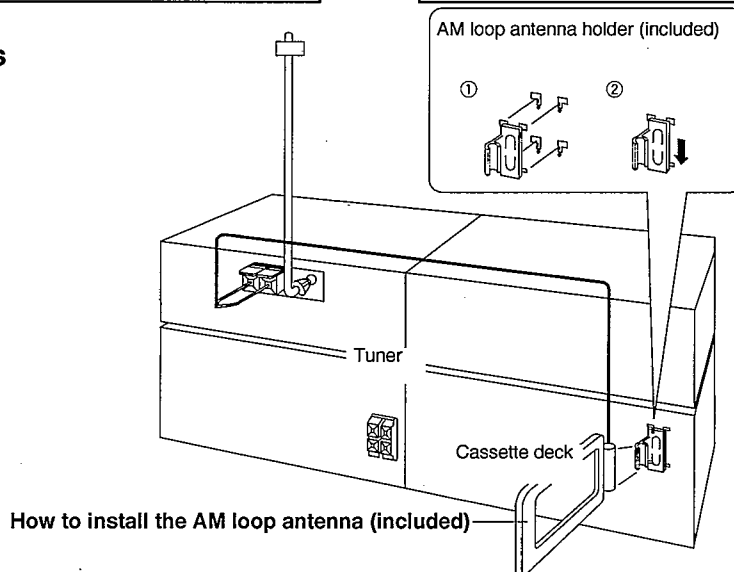


#### After connection:

Keep cables as flat against the back of the unit as possible. You may fold them or pass them underneath the short cable as shown below.

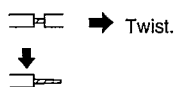


### • Antenna connections

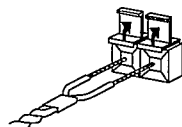


How to install the AM loop antenna (included)

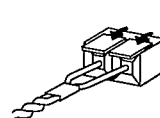
#### ① Strip off the outer covering.



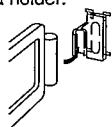
#### ② Insert the wire.



#### ③ Close the lever.



#### ④ Attach the AM loop antenna to the antenna holder.

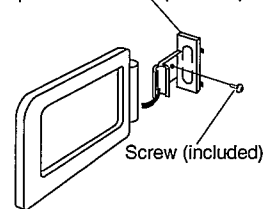


#### Note

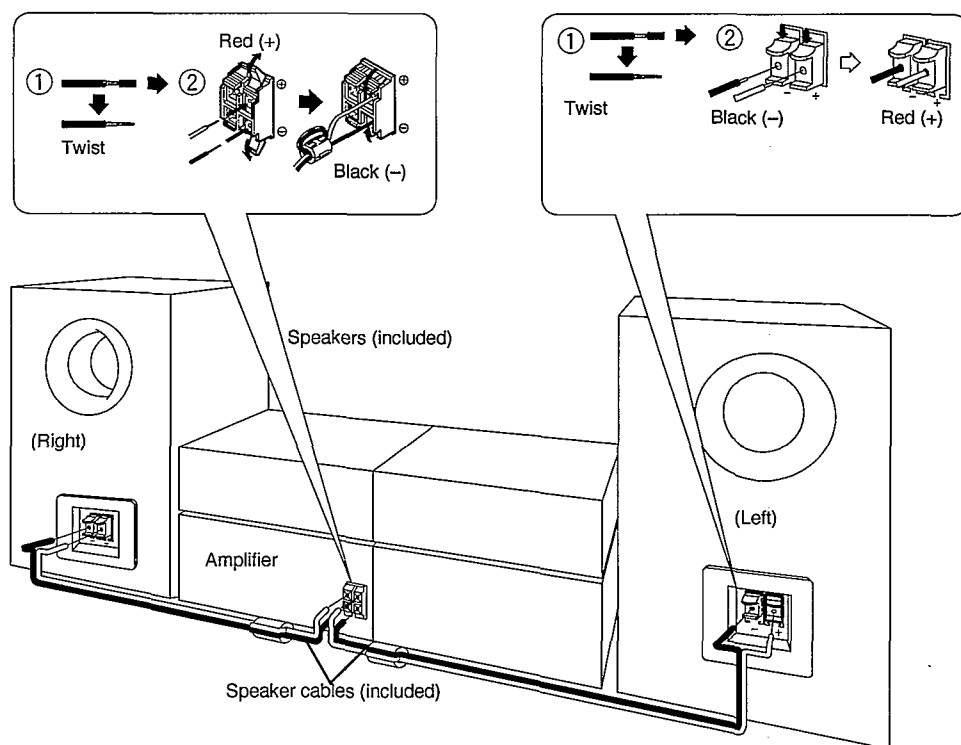
- To minimize noise pickup, bundle the loop antenna cord using a tape or so to keep the flat cables away from the AM loop antenna cord.
- You may attach the antenna holder to a rack or other structure.

#### • When mounting the antenna to a column or rack

AM loop antenna holder (included)



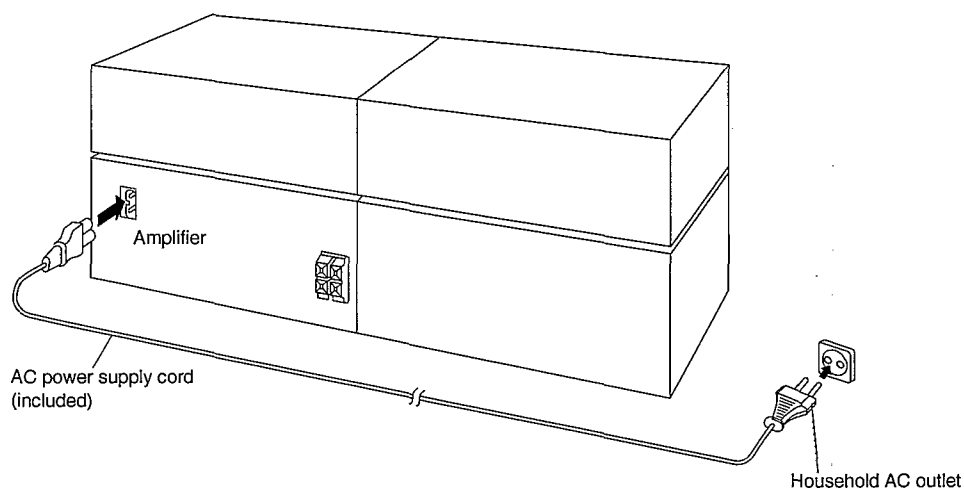
## ● Connection of speakers



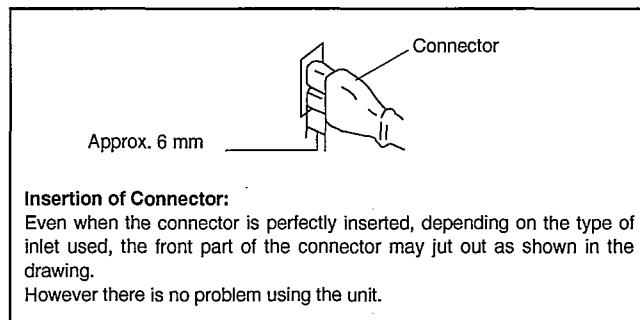
### Note

- Connect the end of the speaker cable with the cylindrical sleeve to the amp side.
- To prevent damage to circuitry, never short-circuit positive (+) and negative (-) speaker wires.
- Be sure to connect only positive (red) wires to positive (+) terminals and negative (black) wires to negative (-) terminals.
- This set can only be used with the original speaker cables, which are delivered together with the standard accessories.

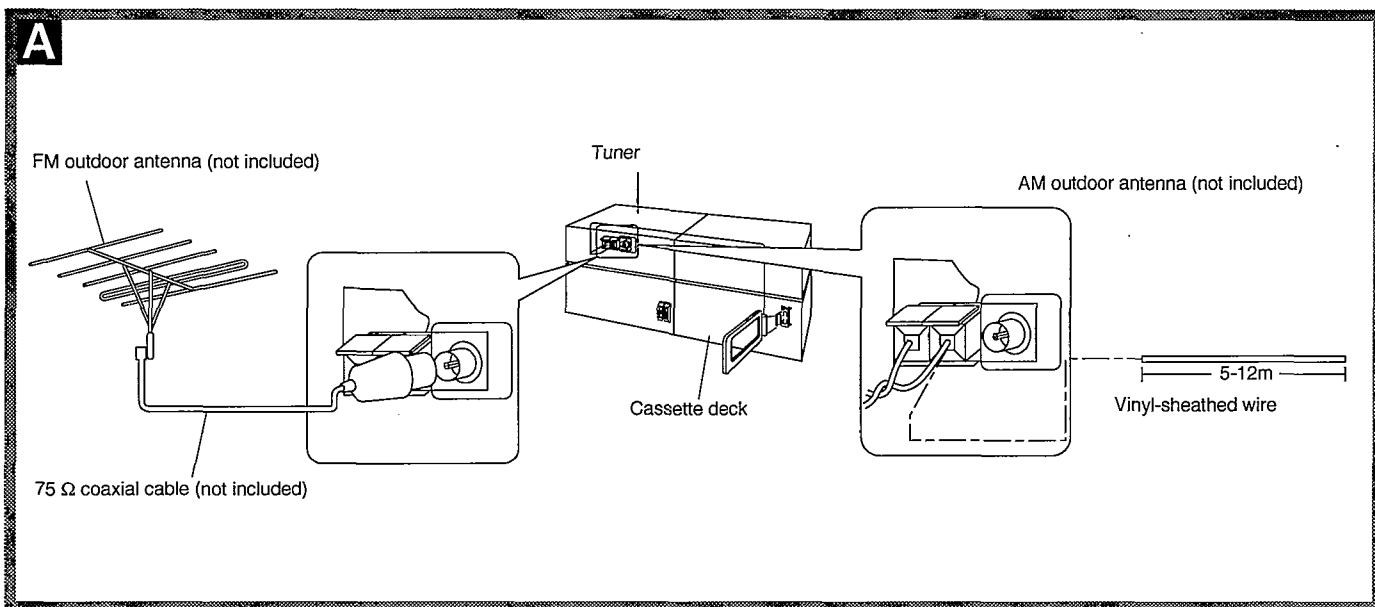
## ● Connection of AC power supply cord



- Plug the cord into an outlet only after all other connections have been made.



## OPTIONAL ANTENNA CONNECTIONS AND EXTERNAL UNIT CONNECTIONS



### FM outdoor antenna (not included) **A**

The outdoor antenna should be used when using this unit in mountainous areas or in spaces enclosed by reinforced concrete where the FM indoor antenna (included) does not provide satisfactory reception.

#### Note

An outdoor antenna should be installed by a qualified technician only.

### AM outdoor antenna (not included) **A**

The outdoor antenna should be used when using this unit in mountainous areas or in spaces enclosed by reinforced concrete where the AM loop antenna (included) does not provide satisfactory reception.

Use 5-12 m of vinyl-sheathed wire horizontally at the window, or a convenient location.

When the unit is not in use, disconnect the outdoor antenna to prevent possible damage from lightning. Never use an outdoor antenna during an electrical storm.

#### Note

Be sure to connect the AM loop antenna even when an outdoor antenna is used.

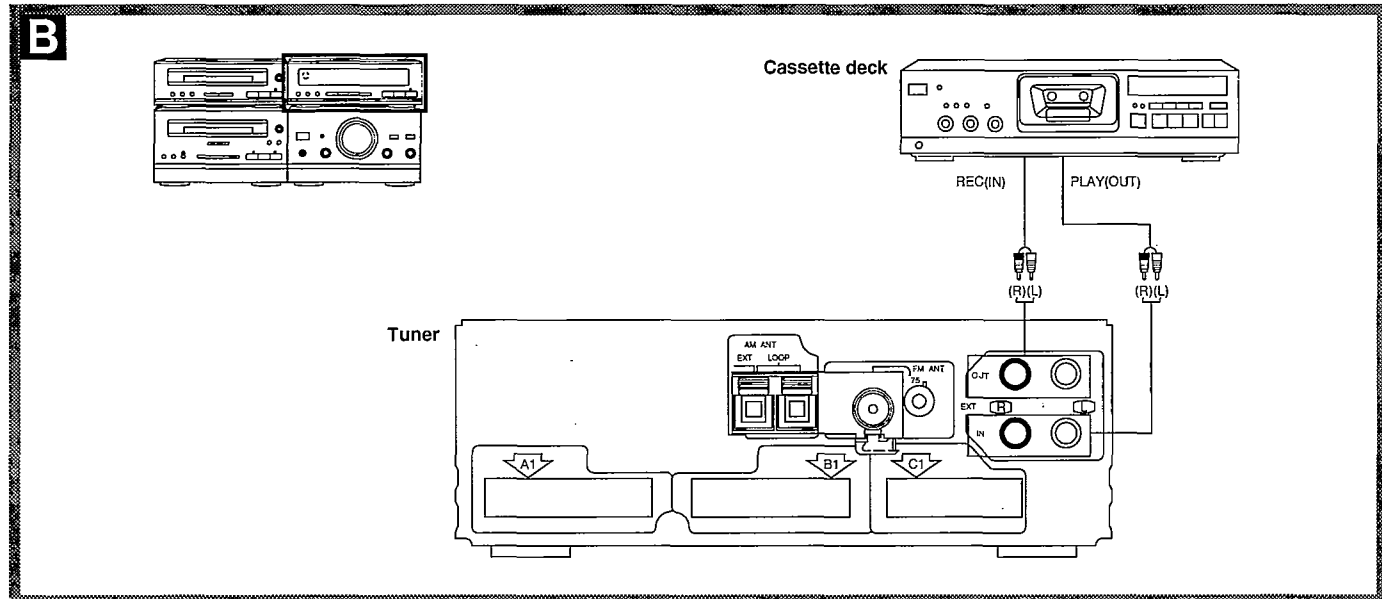
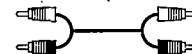
### Connecting a cassette deck **B**

- Make sure that the power supply for all components has been turned off before making any connections.
- For details, refer to the operating instructions of the cassette deck which is to be connected.
- All peripheral components and cables sold separately.

#### Stereo connection cable (not included)

White (L)

Red (R)



## ■ Operation Check and Main Component Replacement Procedures

### NOTE

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

### ● Contents

#### •Checking Procedures for each P.C.B.

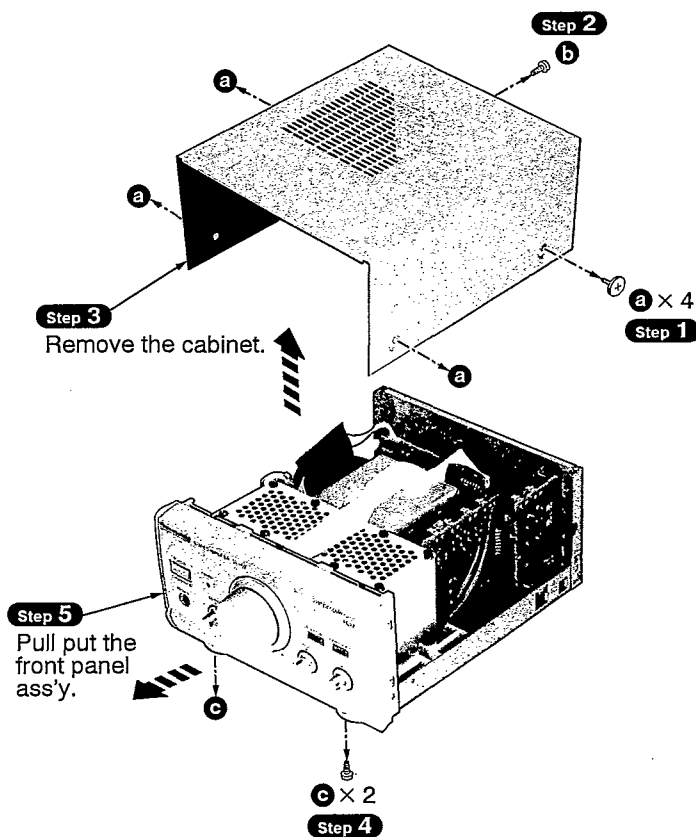
- |                                             | Page. |
|---------------------------------------------|-------|
| 1. Checking for the operation P.C.B., ..... | 8.    |
| 2. Checking for the PDM P.C.B., .....       | 9.    |

#### •Main Component Replacement Procedures

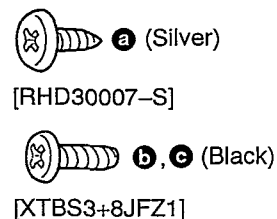
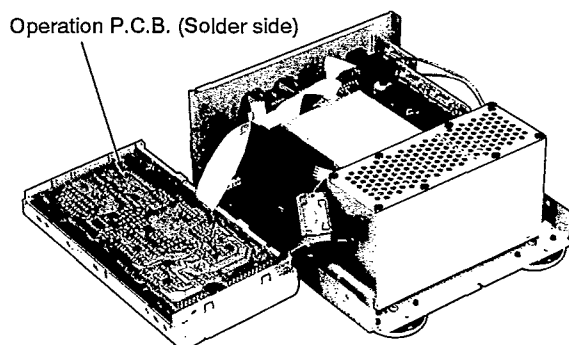
- |                                                    |    |
|----------------------------------------------------|----|
| 1. Replacement for the regulator transistor, ..... | 9. |
|----------------------------------------------------|----|

## ■ Checking Procedure for each P.C.B.

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



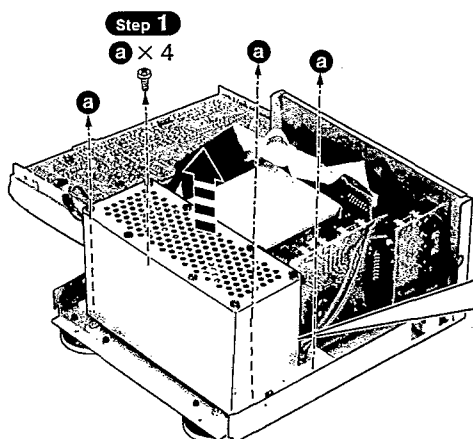
• Check the operation P.C.B. as shown below.



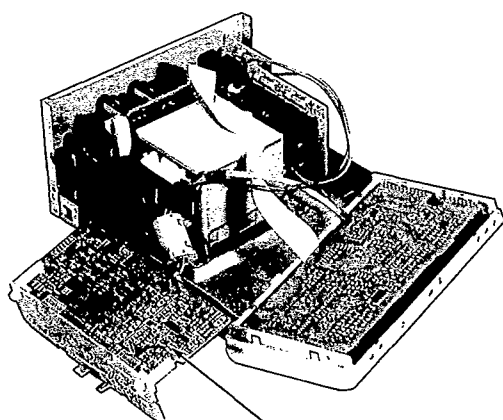


## 2. Checking for the PDM P.C.B.

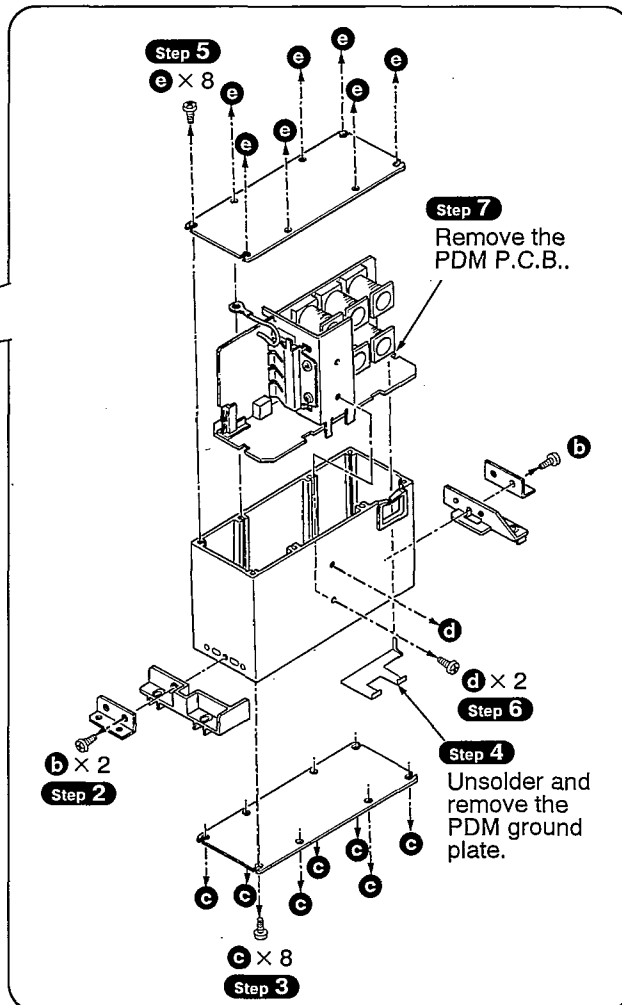
- Follow **Step 1** ~ **Step 5** in item 1 on page 8.



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



PMD P.C.B.



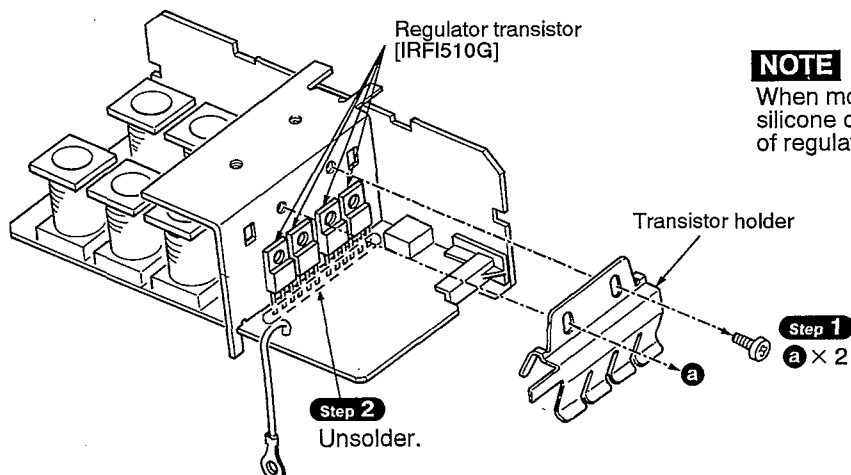
 **a, b** (Black)  
[XTBS3+8JFZ1]

 **c, d, e** (Black)  
[XTB3+6JFZ]

## Main Component Replacement Procedures

### 1. Replacement for the regulator transistor

- Follow **Step 1** ~ **Step 5** in item 1 on page 8.
- Follow **Step 1** ~ **Step 7** in item 2 on page 9.



#### NOTE

When mounting the regulator transistor, apply silicone compound (RFX0002) to the rear side of regulator transistor.

 **a** (Black)  
[XTB3+6JFZ]

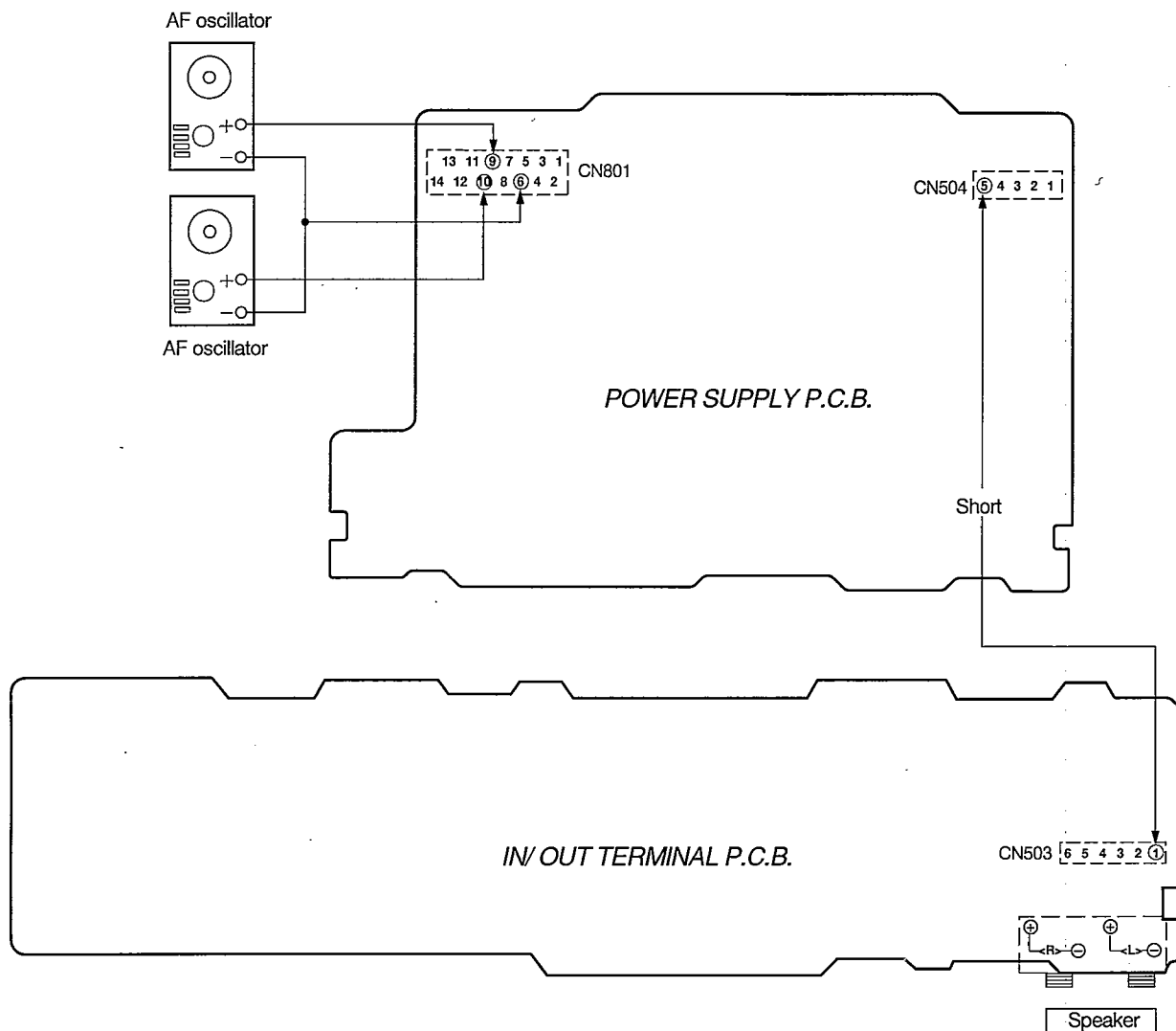
## ■ POWER SOURCE ON/OFF OF THIS UNIT

1. Short the section between the points CN504 ⑤ pin (POWER) and CN503 ① pin (+5V).
2. Connect this unit to an AC outlet by the AC power cord.

### Operation check

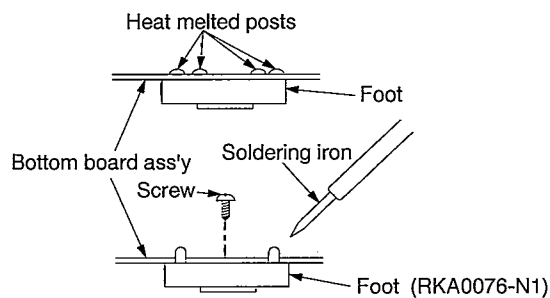
1. Set this unit to power ON mode.
2. Input a signal (1kHz, 100mV), and confirm it to be outputted from the speaker terminal.

|     | INPUT                     | OUTPUT               |
|-----|---------------------------|----------------------|
| Lch | CN801 ⑩ pin ↔ CN801 ⑥ pin | Lch speaker terminal |
| Rch | CN801 ⑨ pin ↔ CN801 ⑥ pin | Rch speaker terminal |

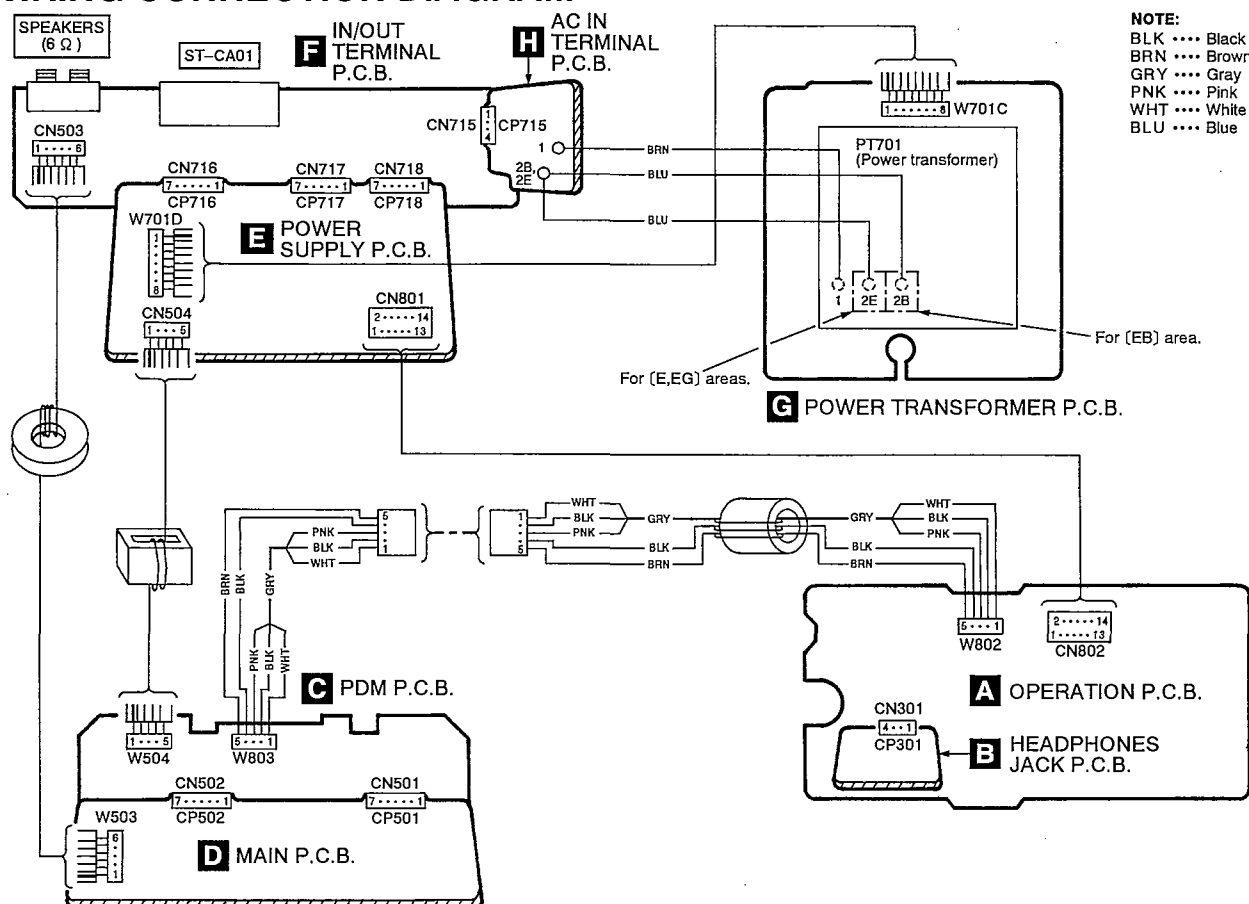


## ■ REPLACEMENT OF THE FOOT

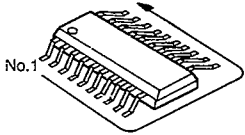
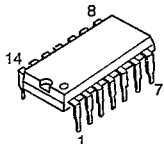
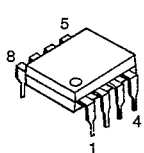
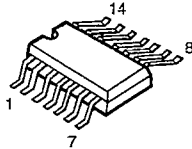
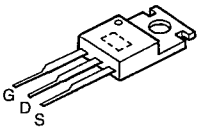
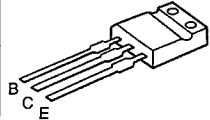
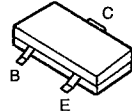
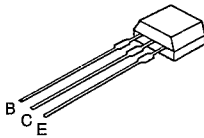
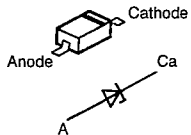
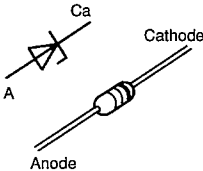
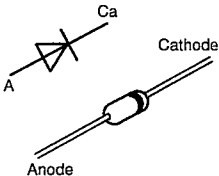
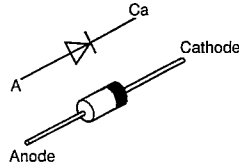
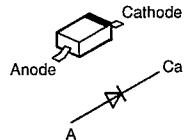
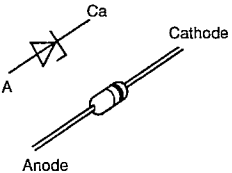
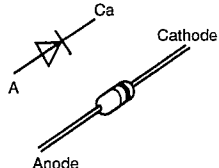
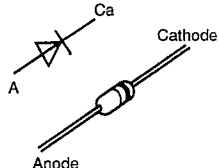
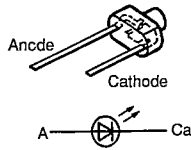
1. Remove the 4 heat melted posts on the Bottom board ass'y with a pair of nippers or similar tool.
2. To replace the foot (RKA0076-N1) on the Bottom board ass'y melt the 4 posts with a soldering iron or install it with a screw (XTB3+6J).



# WIRING CONNECTION DIAGRAM

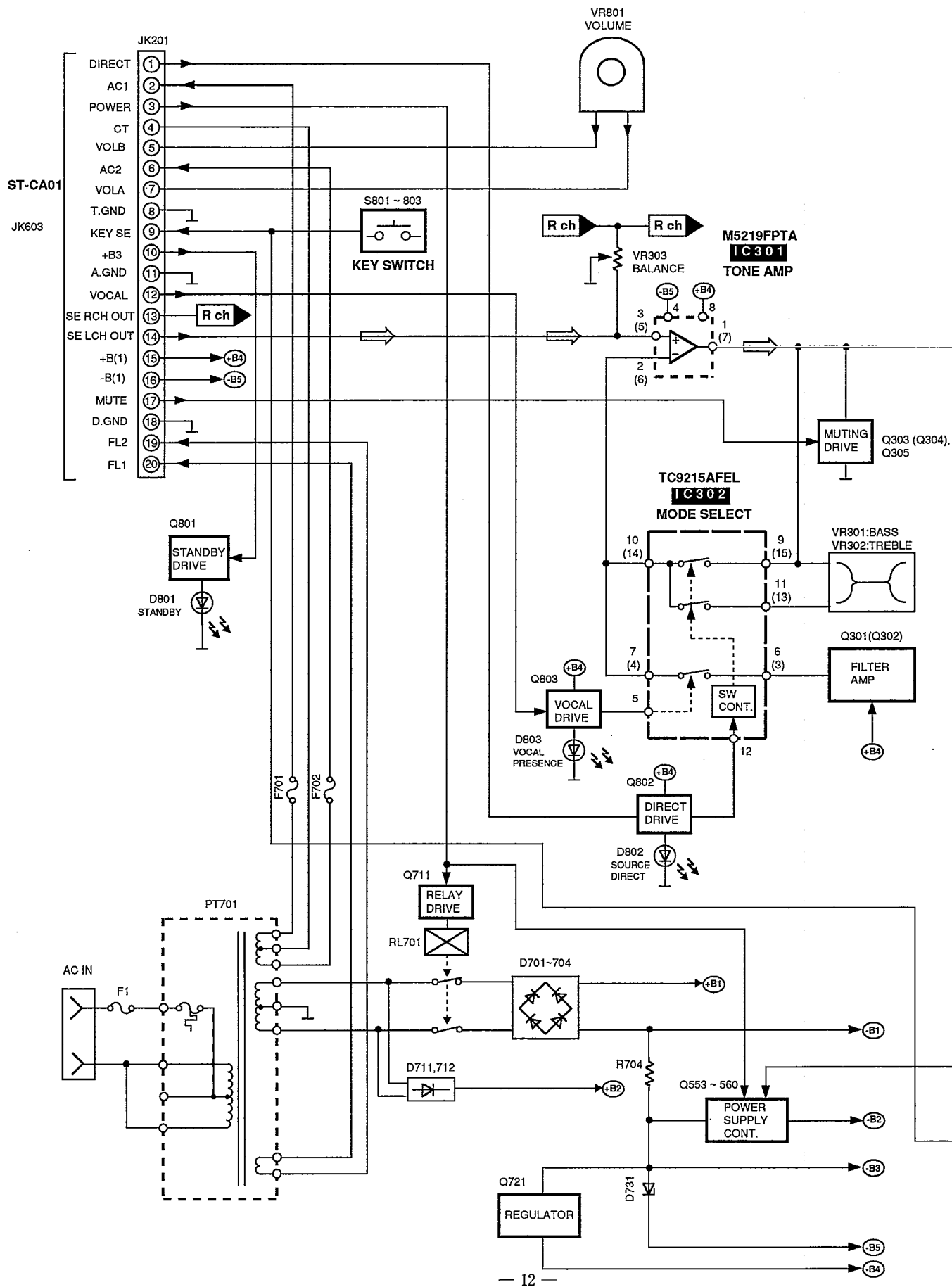


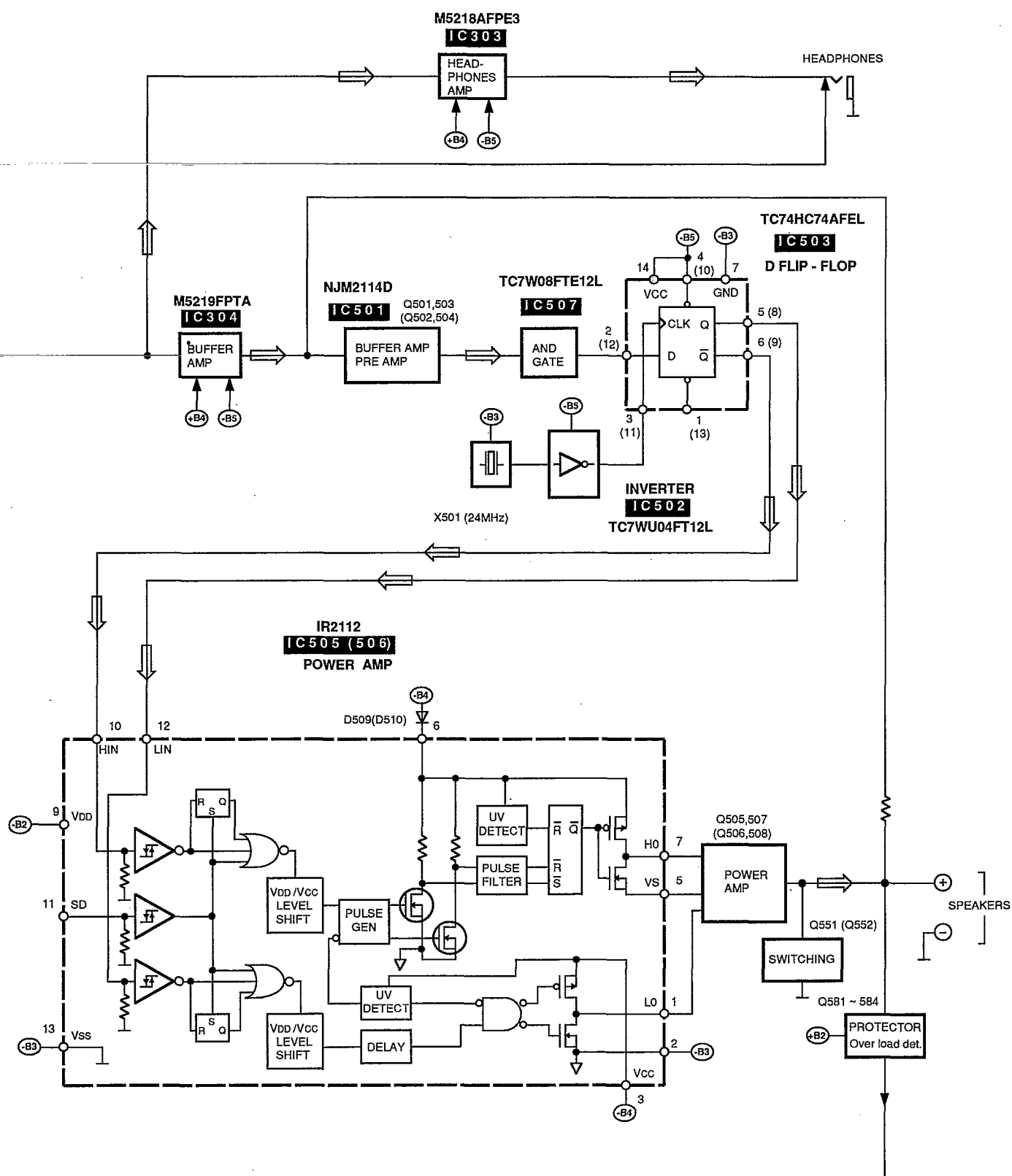
## Terminal guide of IC's transistors and diodes

|                                                                                                          |                                                                                                                                                                                                                                  |                                                                                                        |                                                                                                                                                         |                                                                                                                                                          |                                                                                                             |              |      |              |      |            |       |                                                                                                       |                                                                                                           |                                                                                                                                       |
|----------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|--------------|------|--------------|------|------------|-------|-------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| <div>No.1</div>       | <table><tr><td>M5218AFPE3</td><td>8PIN</td></tr><tr><td>M5219FPTA</td><td>8PIN</td></tr><tr><td>TC7WU04FT12L</td><td>8PIN</td></tr><tr><td>TC7W08FTE12L</td><td>8PIN</td></tr><tr><td>TC9215AFEL</td><td>16PIN</td></tr></table> | M5218AFPE3                                                                                             | 8PIN                                                                                                                                                    | M5219FPTA                                                                                                                                                | 8PIN                                                                                                        | TC7WU04FT12L | 8PIN | TC7W08FTE12L | 8PIN | TC9215AFEL | 16PIN | <div>IR2112</div>  | <div>NJM2114D</div>  | <div>TC74HC00AFT1</div> <div>TC74HC74AFEL</div>  |
| M5218AFPE3                                                                                               | 8PIN                                                                                                                                                                                                                             |                                                                                                        |                                                                                                                                                         |                                                                                                                                                          |                                                                                                             |              |      |              |      |            |       |                                                                                                       |                                                                                                           |                                                                                                                                       |
| M5219FPTA                                                                                                | 8PIN                                                                                                                                                                                                                             |                                                                                                        |                                                                                                                                                         |                                                                                                                                                          |                                                                                                             |              |      |              |      |            |       |                                                                                                       |                                                                                                           |                                                                                                                                       |
| TC7WU04FT12L                                                                                             | 8PIN                                                                                                                                                                                                                             |                                                                                                        |                                                                                                                                                         |                                                                                                                                                          |                                                                                                             |              |      |              |      |            |       |                                                                                                       |                                                                                                           |                                                                                                                                       |
| TC7W08FTE12L                                                                                             | 8PIN                                                                                                                                                                                                                             |                                                                                                        |                                                                                                                                                         |                                                                                                                                                          |                                                                                                             |              |      |              |      |            |       |                                                                                                       |                                                                                                           |                                                                                                                                       |
| TC9215AFEL                                                                                               | 16PIN                                                                                                                                                                                                                            |                                                                                                        |                                                                                                                                                         |                                                                                                                                                          |                                                                                                             |              |      |              |      |            |       |                                                                                                       |                                                                                                           |                                                                                                                                       |
| <div>IRFI510G</div>   | <div>2SD2137PQTA</div>                                                                                                                        |                     | <div>2SC3312RSTA</div> <div>2SC3311AIRTA</div> <div>UN4111AITA</div> <div>UN4115TA</div>                                                                | <div>2SB1218RTX</div> <div>2SB792RSTTX</div> <div>2SD1819RTX</div>  | <div>2SD2144STA</div>  |              |      |              |      |            |       |                                                                                                       |                                                                                                           |                                                                                                                                       |
| <div>MA8033LTX</div>  | <div>MA4051MTA</div>                                                                                                                          | <div>MA165TA</div>  | <div>1N5402BF</div> <div>RL1N4003N02</div> <div>D1NL20U-4084</div>  | <div>MA111TX</div>                                                  |                                                                                                             |              |      |              |      |            |       |                                                                                                       |                                                                                                           |                                                                                                                                       |
|                       | <div>MA4120HTA</div> <div>MA4150HTA</div> <div>MA4240MTA</div> <div>MA4300MTA</div>                                                           | <div>MA185TA</div>  | <div>LNJ201LPQJA</div> <div>LNJ301MPUJAD</div>                       |                                                                                                                                                          |                                                                                                             |              |      |              |      |            |       |                                                                                                       |                                                                                                           |                                                                                                                                       |

# BLOCK DIAGRAM

● Signal line    ➡ : Source signal    ※ ( ) indicates pin No. of right channel.





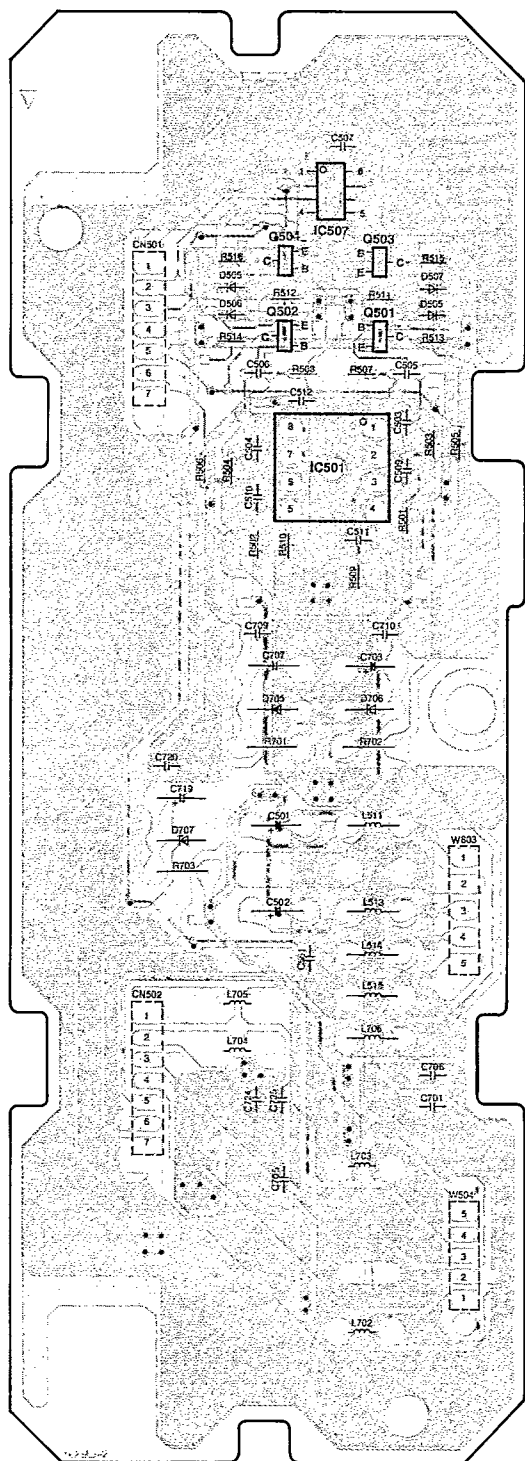
## PRINTED CIRCUIT BOARD DIAGRAM

**Notes:**

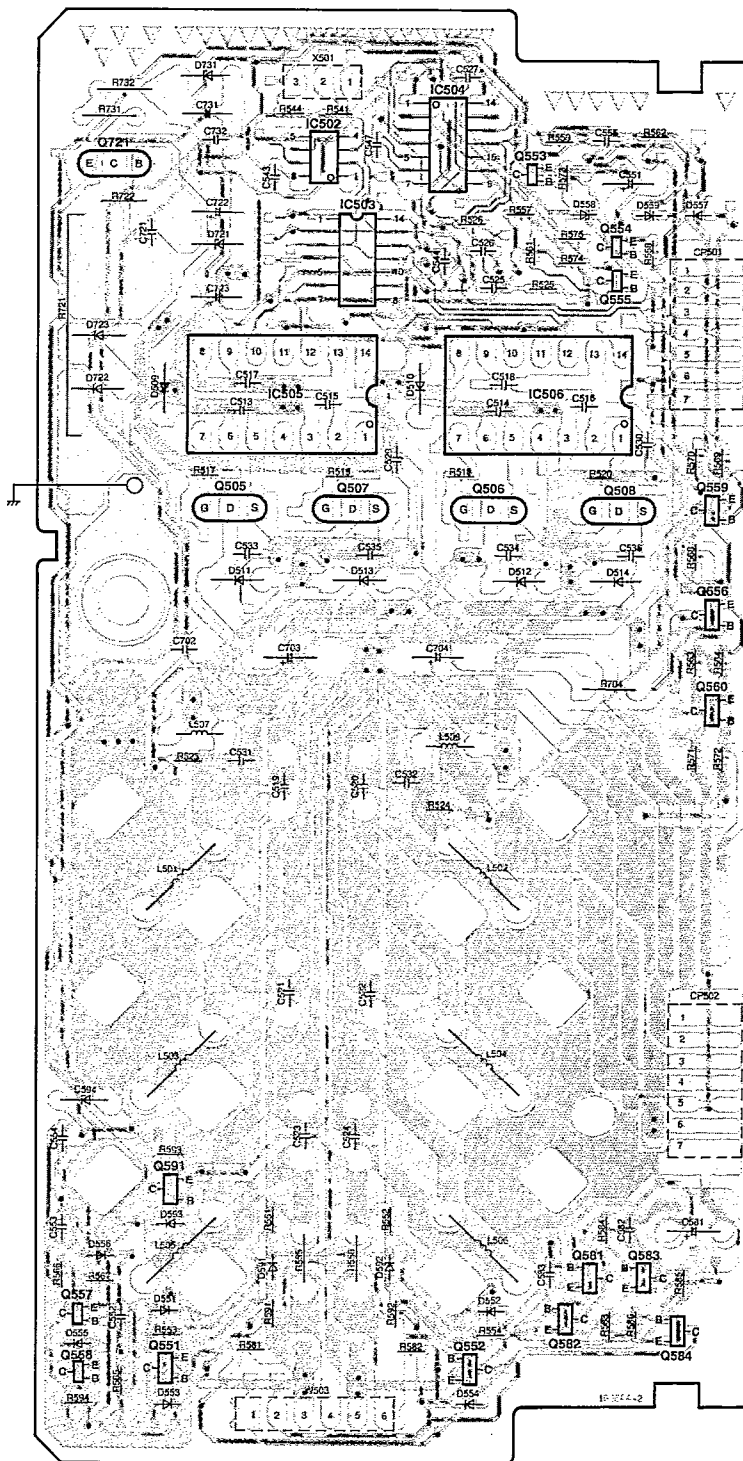
- In this printed circuit board diagram, the parts and foil patterns on the board facing toward you are printed in black. The opposite side is printed in blue.
- The “●” mark denotes the connection points of double-faced foil patterns (through holes) on both side of the printed circuit board.

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

**C** PDM P.C.B. (REP2293A-M)

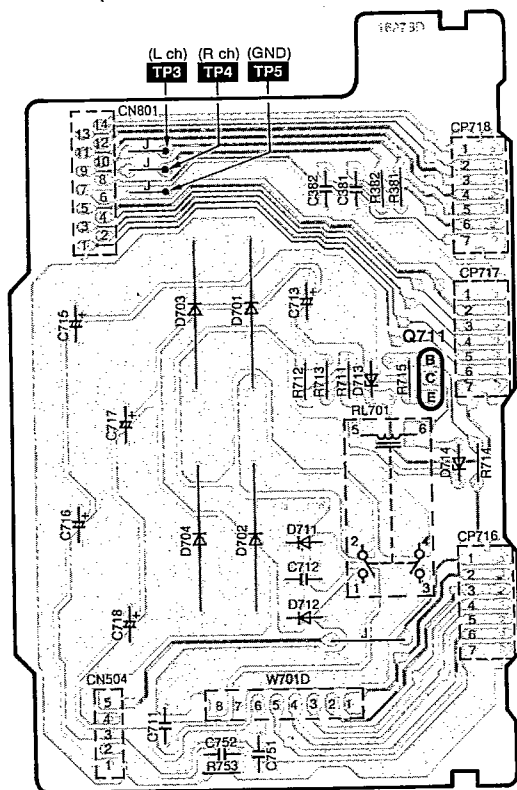


**D** MAIN P.C.B. (REP2293A-M)

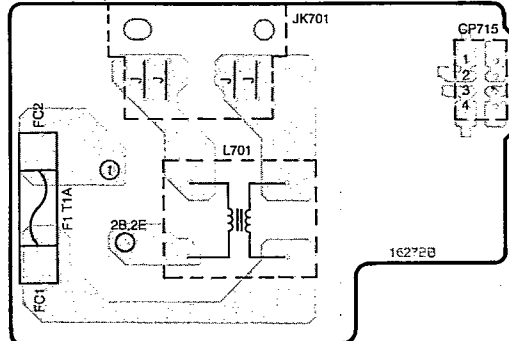




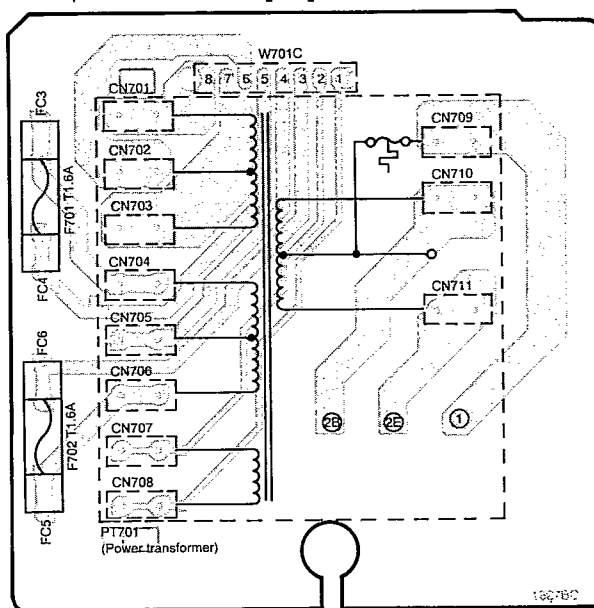
**E** POWER SUPPLY P.C.B.  
(REP2295B-P...[E,EG]  
REP2295C-P...[EB])



**H** AC IN  
TERMINAL P.C.B.  
(REP2295B-P...[E,EG]  
REP2295C-P...[EB])  
(230V...[E,EG]  
230V-240V...[EB]  
50Hz)



**G** POWER TRANSFORMER P.C.B.  
(REP2295B-P...[E,EG]  
REP2295C-P...[EB])





## ■ SCHEMATIC DIAGRAM (Parts list on pages 23, 24, 26, 27.)

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

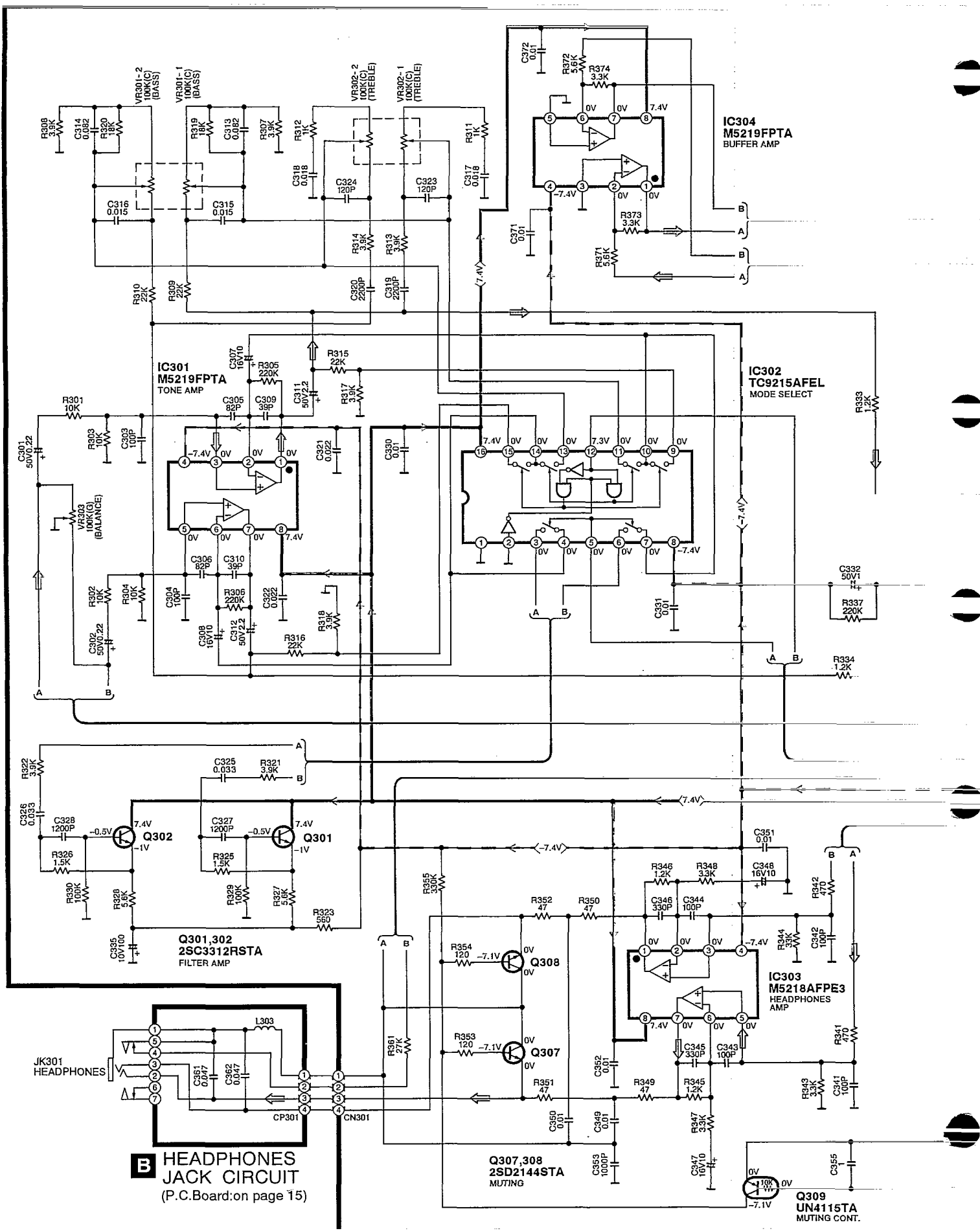
|                                              | Page   |
|----------------------------------------------|--------|
| <b>A</b> OPERATION CIRCUIT .....             | 18, 19 |
| <b>B</b> HEADPHONES JACK CIRCUIT .....       | 18     |
| <b>C</b> PDM CIRCUIT .....                   | 19     |
| <b>D</b> MAIN CIRCUIT .....                  | 20, 21 |
| <b>E</b> POWER SUPPLY CIRCUIT .....          | 22     |
| <b>F</b> INPUT/OUTPUT TERMINAL CIRCUIT ..... | 22     |
| <b>G</b> POWER TRANSFORMER CIRCUIT .....     | 22     |
| <b>H</b> AC IN TERMINAL CIRCUIT .....        | 22     |

### Notes:

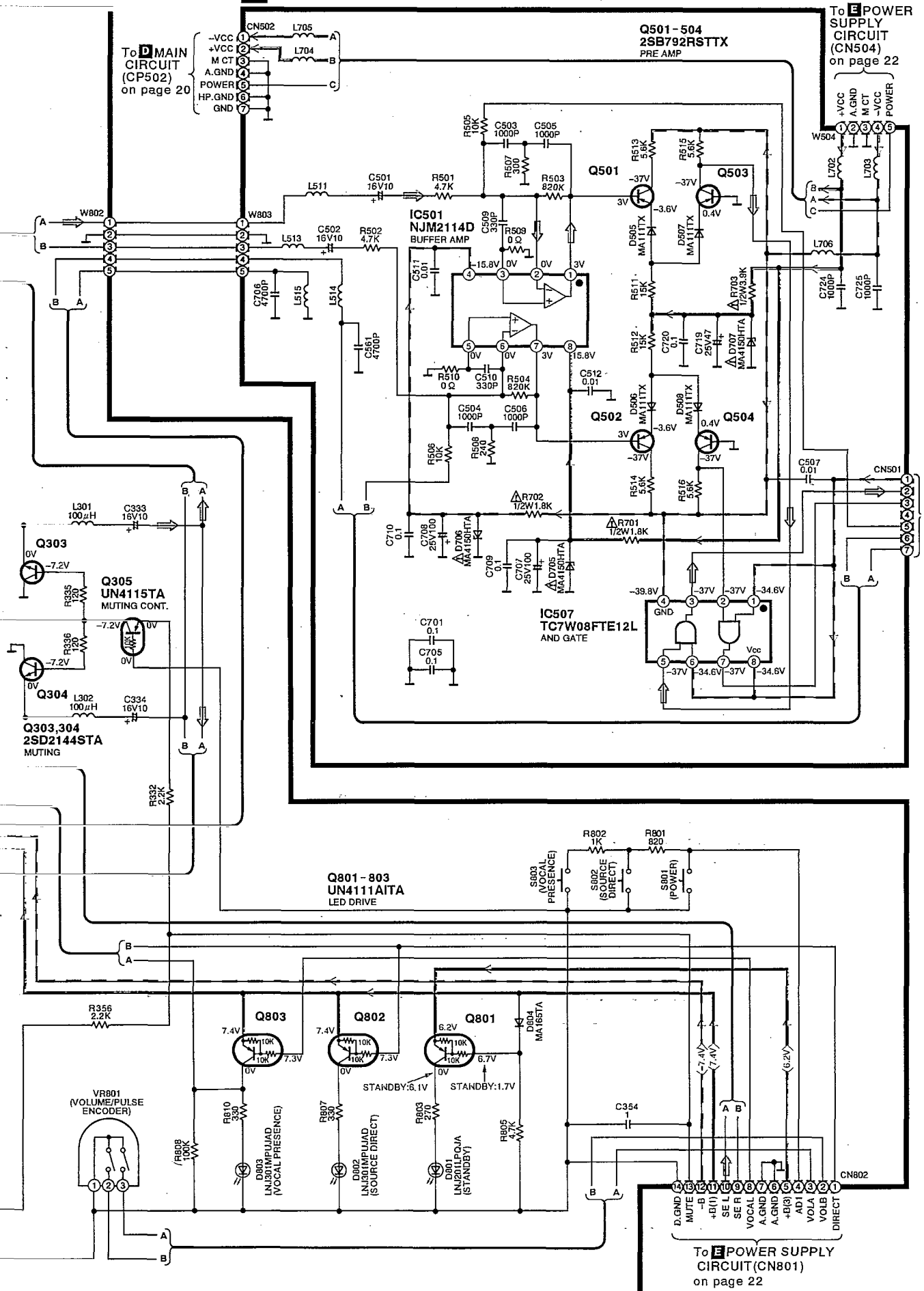
- **S801:** Power "STANDBY /ON" switch (POWER, STANDBY )
- **S802:** Source direct switch (SOURCE DIRECT)
- **S803:** Vocal presence switch (VOCAL PRESENCE)
- Indicated voltage values are the standard values for the unit measured by the DC electronic circuit tester (high-impedance) with the chassis taken 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 manufacturer's specified parts shown in the parts list.
- **Caution!**  
IC and LSI are sensitive to static electricity.  
Secondary trouble can be prevented by taking care during repair.  
Cover the parts boxes made of plastics with aluminum foil.  
Ground the soldering iron.  
Put a conductive mat on the work table.  
Do not touch the legs of IC or LSI with the fingers directly.

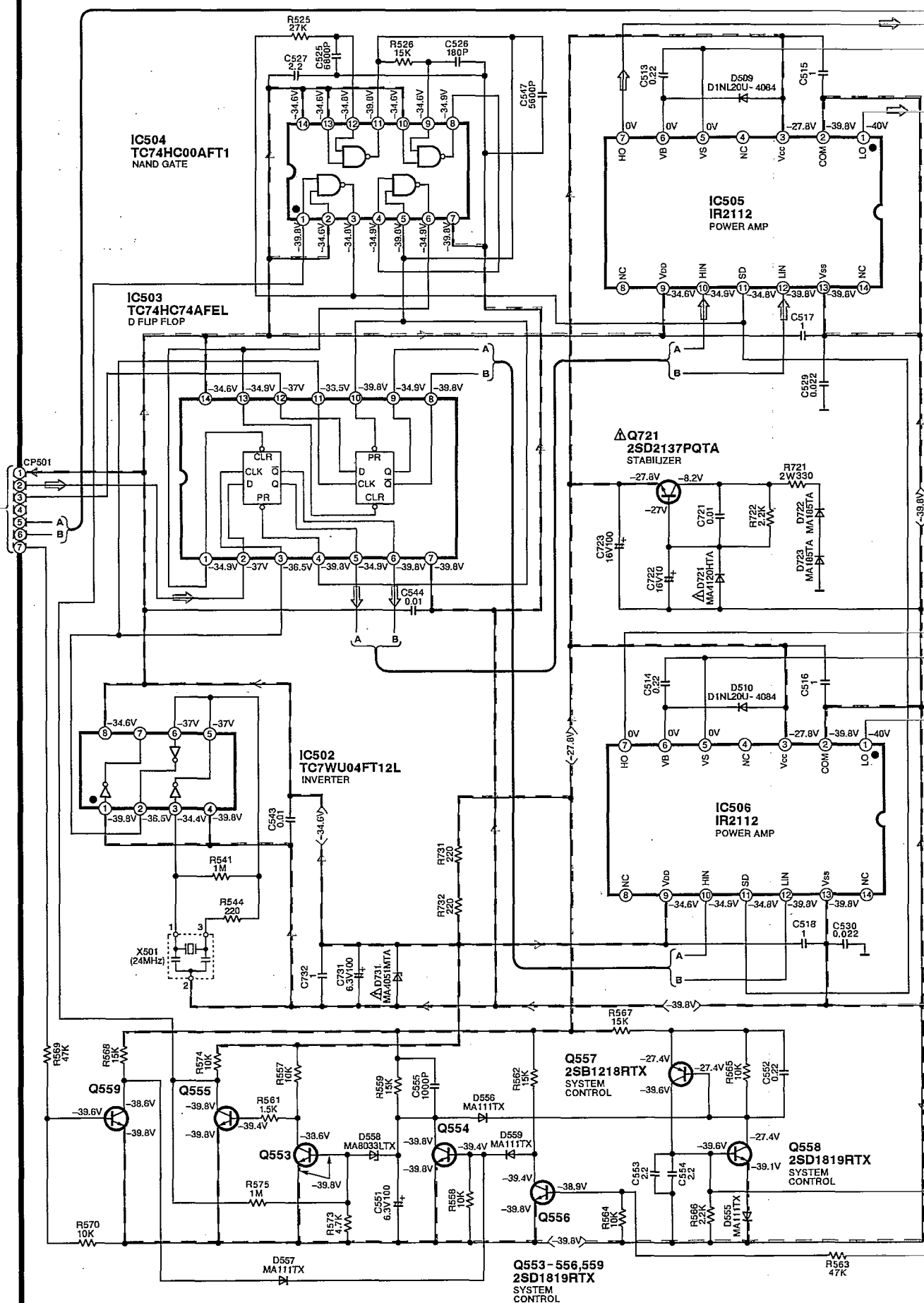
### ● Voltage and signal line

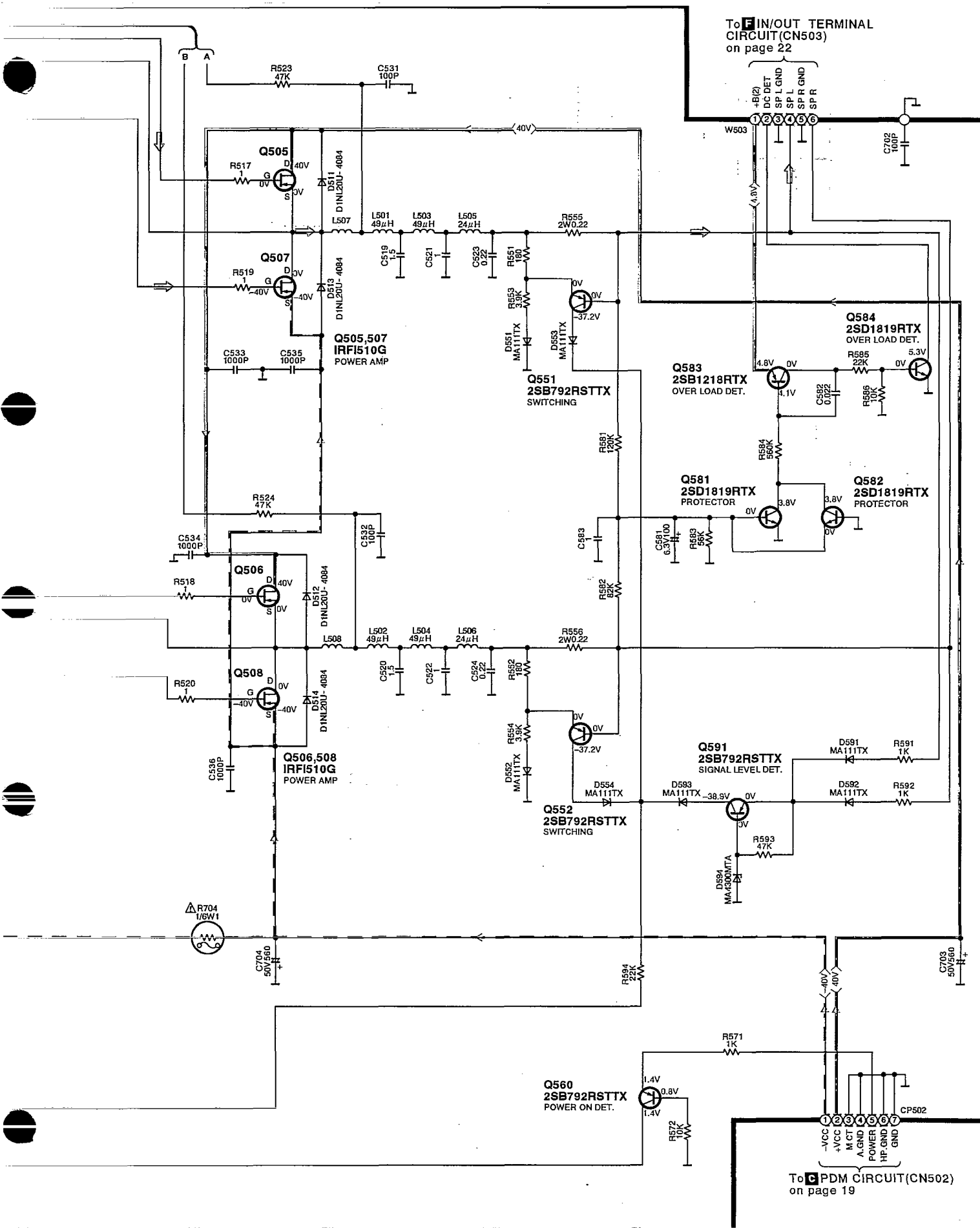
 : Positive voltage line       : Negative voltage line  
 : Source signal line (L ch)

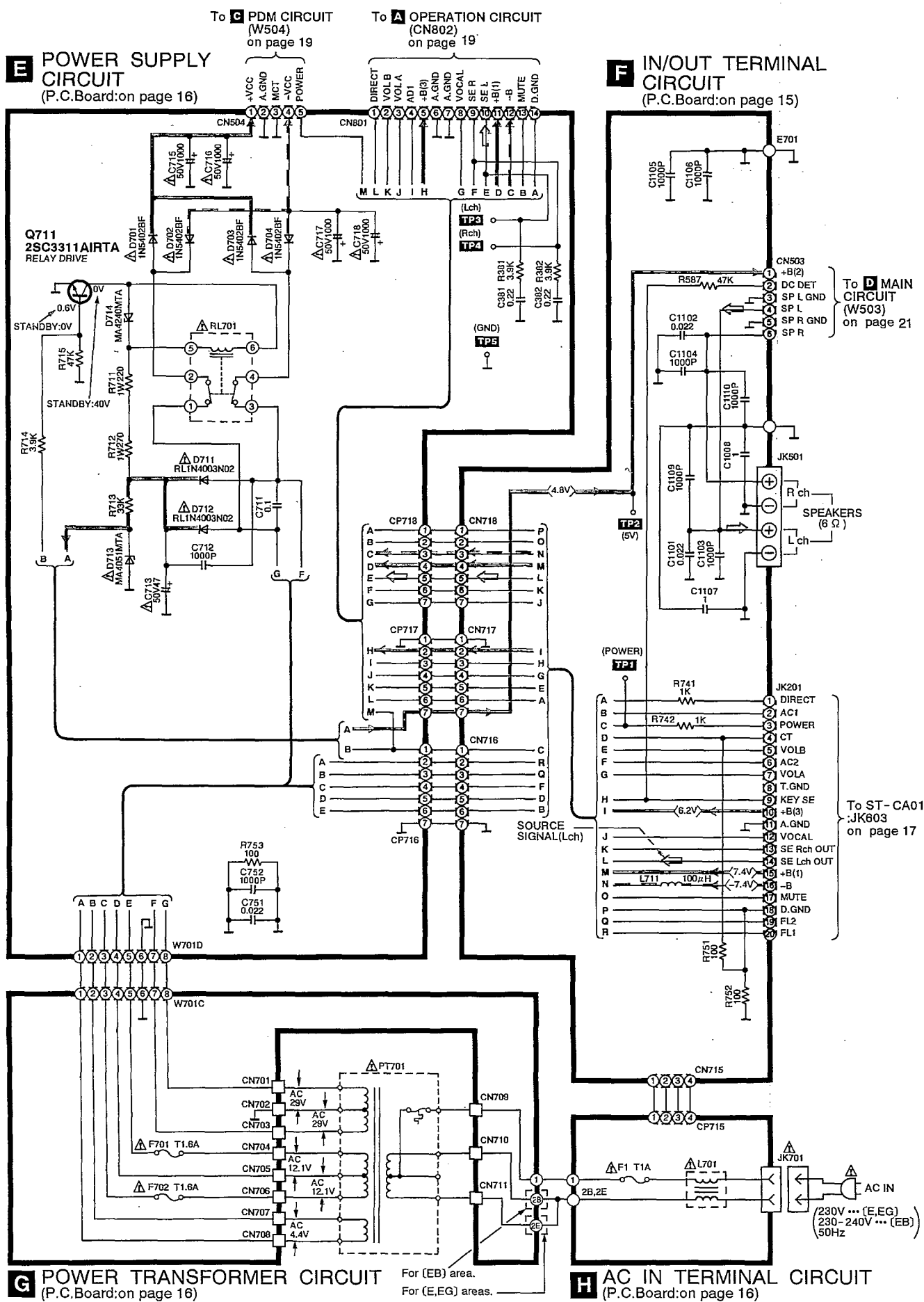
**A** OPERATION CIRCUIT (P.C.Board: on page 15)

# C PDM CIRCUIT (P.C.Board: on page 14)



**D** MAIN CIRCUIT (P.C.Board: on page 14)





# RESISTORS AND CAPACITORS

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

| Ref. No.  | Part No.     | Values & Remarks | Ref. No.  | Part No.      | Values & Remarks   | Ref. No.  | Part No.     | Values & Remarks |
|-----------|--------------|------------------|-----------|---------------|--------------------|-----------|--------------|------------------|
|           |              | RESISTORS        | R557, 558 | ERJ6GEYJ103V  | 1/10W 10K          |           |              | CAPACITORS       |
|           |              |                  | R559      | ERJ6GEYJ153V  | 1/10W 15K          |           |              |                  |
|           |              |                  | R561      | ERJ6GEYJ152V  | 1/10W 1.5K         |           |              |                  |
| R301-304  | ERDS2TJ103   | 1/4W 10K         | R562      | ERJ6GEYJ153V  | 1/10W 15K          | C301, 302 | ECEA1HKAR22B | 50V 0.22U        |
| R305, 306 | ERDS2TJ224T  | 1/4W 220K        | R563      | ERJ6GEYJ473V  | 1/10W 47K          | C303, 304 | ECBT1H101KB5 | 50V 100P         |
| R307, 308 | ERDS2TJ392T  | 1/4W 3.9K        | R564, 565 | ERJ6GEYJ103V  | 1/10W 10K          | C305, 306 | ECBT1H820KB5 | 50V 82P          |
| R309, 310 | ERDS2TJ223   | 1/4W 22K         | R566      | ERJ6GEYJ222V  | 1/10W 2.2K         | C307, 308 | RCE1CKA100BG | 16V 10U          |
| R311, 312 | ERDS2TJ102   | 1/4W 1K          | R567, 568 | ERJ6GEYJ153V  | 1/10W 15K          | C309, 310 | ECBT1H390J5  | 50V 39P          |
| R313, 314 | ERDS2TJ392T  | 1/4W 3.9K        | R569      | ERJ6GEYJ473V  | 1/10W 47K          | C311, 312 | ECEA1HKA2R2B | 50V 2.2U         |
| R315, 316 | ERDS2TJ223   | 1/4W 22K         | R570      | ERJ6GEYJ103V  | 1/10W 10K          | C313, 314 | ECQV1H823JM3 | 50V 0.082U       |
| R317, 318 | ERDS2TJ392T  | 1/4W 3.9K        | R571      | ERJ6GEYJ102V  | 1/10W 1K           | C315, 316 | ECQB1H153JF3 | 50V 0.015U       |
| R319, 320 | ERDS2TJ183T  | 1/4W 18K         | R572      | ERJ6GEYJ103V  | 1/10W 10K          | C317, 318 | ECQB1H183JF3 | 50V 0.018U       |
| R321, 322 | ERDS2TJ392T  | 1/4W 3.9K        | R573      | ERJ6GEYJ472V  | 1/10W 4.7K         | C319, 320 | ECQB1H222JF3 | 50V 2200P        |
| R323      | ERDS2TJ561   | 1/4W 560         | R574      | ERJ6GEYJ103V  | 1/10W 10K          | C321, 322 | ECBT1E223ZF  | 25V 0.022U       |
| R325, 326 | ERDS2TJ152   | 1/4W 1.5K        | R575      | ERJ6GEYJ105   | 1/10W 1M           | C323, 324 | ECBT1H121KB5 | 50V 120P         |
| R327, 328 | ERDS2TJ562   | 1/4W 5.6K        | R581      | ERJ6GEYJ124V  | 1/10W 120K         | C325, 326 | ECQV1H333JM3 | 50V 0.033U       |
| R329, 330 | ERDS2TJ104   | 1/4W 100K        | R582      | ERJ6GEYJ823   | 1/10W 82K          | C327, 328 | ECQB1H122JF3 | 50V 1200P        |
| R332      | ERDS2TJ222   | 1/4W 2.2K        | R583      | ERJ6GEYJ563V  | 1/10W 56K          | C330, 331 | ECBT1E103ZF  | 25V 0.01U        |
| R333, 334 | ERDS2TJ122   | 1/4W 1.2K        | R584      | ERJ6GEYJ564V  | 1/10W 560K         | C332      | ECEA1HKA010B | 50V 1U           |
| R335, 336 | ERDS2EJ121   | 1/4W 120         | R585      | ERJ6GEYJ223V  | 1/10W 22K          | C333, 334 | RCE1CKA100BG | 16V 10U          |
| R337      | ERDS2TJ224T  | 1/4W 220K        | R586      | ERJ6GEYJ103V  | 1/10W 10K          | C335      | RCE1AKA101BG | 10V 100U         |
| R341, 342 | ERDS2TJ471   | 1/4W 470         | R587      | ERDS2TJ473    | 1/4W 47K           | C341-344  | ECBT1H101KB5 | 50V 100P         |
| R343, 344 | ERDS2TJ333   | 1/4W 33K         | R591, 592 | ERJ6GEYJ102V  | 1/10W 1K           | C345, 346 | ECBT1H331KB5 | 50V 330P         |
| R345, 346 | ERDS2TJ122   | 1/4W 1.2K        | R593      | ERJ6GEYJ473V  | 1/10W 47K          | C347, 348 | RCE1CKA100BG | 16V 10U          |
| R347, 348 | ERDS2TJ332   | 1/4W 3.3K        | R594      | ERJ6GEYJ223V  | 1/10W 22K          | C349-352  | ECBT1E103ZF  | 25V 0.01U        |
| R349-352  | ERDS2TJ470   | 1/4W 47          | R701, 702 | ERDS1FVJ182T  | 1/2W 1.8K $\Delta$ | C353      | ECBT1H102KB5 | 50V 1000P        |
| R353, 354 | ERDS2EJ121   | 1/4W 120         | R703      | ERDS1FVJ392T  | 1/2W 3.9K $\Delta$ | C354, 355 | ECBT1C105ZF5 | 16V 1U           |
| R355      | ERDS2TJ334   | 1/4W 330K        | R704      | ERQ16NKNW1ROE | 1W 1.0 $\Delta$    | C361, 362 | ECBT1H473ZF5 | 50V 0.047U       |
| R356      | ERDS2TJ222   | 1/4W 2.2K        | R711      | ERG1SJ221E    | 1W 220             | C371, 372 | ECBT1E103ZF  | 25V 0.01U        |
| R361      | ERDS2TJ273   | 1/4W 27K         | R712      | ERG1SJ271E    | 1W 270             | C381, 382 | ECQV1H224JM3 | 50V 0.22U        |
| R371, 372 | ERDS2TJ562   | 1/4W 5.6K        | R713      | ERDS2TJ333    | 1/4W 33K           | C501, 502 | RCE1CKA100BG | 16V 10U          |
| R373, 374 | ERDS2TJ332   | 1/4W 3.3K        | R714      | ERDS2TJ392T   | 1/4W 3.9K          | C503-506  | ECUV1H102KBN | 50V 1000P        |
| R381, 382 | ERDS2TJ392T  | 1/4W 3.9K        | R715      | ERDS2TJ473    | 1/4W 47K           | C507      | ECUV1E103ZFN | 25V 0.01U        |
| R501, 502 | ERJ6GEYJ472V | 1/10W 4.7K       | R721      | ERG2ANJP331S  | 2W 330             | C509, 510 | ECUV1H331KBN | 50V 330P         |
| R503, 504 | ERJ6GEYJ824V | 1/10W 820K       | R722      | ERDS2TJ222    | 1/4W 2.2K          | C511, 512 | ECUV1E103ZFN | 25V 0.01U        |
| R505, 506 | ERJ6GEYJ103V | 1/10W 10K        | R731, 732 | ERDS2TJ221    | 1/4W 220           | C513, 514 | ECUV1E224ZFN | 25V 0.22U        |
| R507      | ERJ6GEYJ301V | 1/10W 300        | R741, 742 | ERDS2TJ102    | 1/4W 1K            | C515-518  | ECUVNC105ZFN | 16V 1U           |
| R508      | ERJ6GEYJ241V | 1/10W 240        | R751-753  | ERDS2TJ101    | 1/4W 100           | C519, 520 | ECQV1H155JL3 | 50V 1.5U         |
| R511, 512 | ERJ6GEYJ153V | 1/10W 15K        | R801      | ERDS2TJ821    | 1/4W 820           | C521, 522 | ECQV1H105JM3 | 50V 1U           |
| R513-516  | ERJ6GEYJ562V | 1/10W 5.6K       | R802      | ERDS2TJ102    | 1/4W 1K            | C523, 524 | ECQV1H224JM3 | 50V 0.22U        |
| R517-520  | ERJ6GEYJ1ROV | 1/10W 1.0        | R803      | ERDS2TJ271    | 1/4W 270           | C525      | ECUV1H682KBN | 50V 6800P        |
| R523, 524 | ERJ6GEYJ473V | 1/10W 47K        | R805      | ERDS2TJ472    | 1/4W 4.7K          | C526      | ECUV1H181KCN | 50V 180P         |
| R525      | ERJ6GEYJ273V | 1/10W 27K        | R807      | ERDS2TJ331    | 1/4W 330           | C527      | ECUVNC225ZFN | 16V 2.2U         |
| R526      | ERJ6GEYJ153V | 1/10W 15K        | R808      | ERDS2TJ104    | 1/4W 100K          | C529, 530 | ECUV1H223ZFN | 50V 0.022U       |
| R541      | ERJ6GEYJ105  | 1/10W 1M         | R810      | ERDS2TJ331    | 1/4W 330           | C531, 532 | ECUV2H101JCM | 500V 100P        |
| R544      | ERJ6GEYJ221V | 1/10W 220        |           |               |                    | C533-536  | ECUV1H102KBN | 50V 1000P        |
| R551, 552 | ERJ6GEYJ181V | 1/10W 180        |           |               | CHIP JUMPERS       | C543, 544 | ECUV1E103ZFN | 25V 0.01U        |
| R553, 554 | ERJ6GEYJ392V | 1/10W 3.9K       |           |               |                    | C547      | ECUV1H562KBN | 50V 5600P        |
| R555, 556 | ERF2EXKR22V  | 2W 0.22          | R509, 510 | ERJ6GEYOR00V  | CHIP JUMPER        | C551      | ECEA0JKA101B | 6.3V 100U        |

| Ref. No.  | Part No.     | Values & Remarks | Ref. No.  | Part No.     | Values & Remarks   | Ref. No.    | Part No.     | Values & Remarks |
|-----------|--------------|------------------|-----------|--------------|--------------------|-------------|--------------|------------------|
| C552      | ECUV1E224ZFN | 25V 0.22U        | C707, 708 | ECA1EM101B   | 25V 100U           | C722        | RCE1CKA100BG | 16V 10U          |
| C553, 554 | ECUVNC225ZFN | 16V 2.2U         | C709, 710 | ECUV1E104ZFN | 25V 0.1U           | C723        | ECEA1CKA101B | 16V 100U         |
| C555      | ECUV1H102KBN | 50V 1000P        | C711      | ECQE1104KF3  | 100V 0.1U          | C724, 725   | ECUV1H102KBN | 50V 1000P        |
| C561      | ECUV1H472KBN | 50V 4700P        | C712      | ECKR2H102ZF5 | 500V 1000P         | C731        | ECEA0JKA101B | 6.3V 100U        |
| C581      | ECEA0JKA101B | 6.3V 100U        | C713      | ECA1HM470B   | 50V 47U $\Delta$   | C732        | ECUVNC105ZFN | 16V 1U           |
| C582      | ECUV1E223ZFN | 25V 0.022U       | C715      | ECA1HM102E   | 50V 1000U $\Delta$ | C751        | ECBT1E223ZF  | 25V 0.022U       |
| C583      | ECUVNC105ZFN | 16V 1U           | C716      | ECA1HM102B   | 50V 1000U $\Delta$ | C752        | ECBT1H102KB5 | 50V 1000P        |
| C701      | ECUV1E104ZFN | 25V 0.1U         | C717      | ECA1HM102E   | 50V 1000U $\Delta$ | C1101, 1102 | ECBT1E223ZF  | 25V 0.022U       |
| C702      | ECUV1H101KCN | 50V 100P         | C718      | ECA1HM102B   | 50V 1000U $\Delta$ | C1103-1106  | ECBT1H102KB5 | 50V 1000P        |
| C703, 704 | EEUFA1H561E  | 50V 560U         | C719      | ECEA1EKA470B | 25V 47U            | C1107, 1108 | ECBT1C105ZF5 | 16V 1U           |
| C705      | ECUV1E104ZFN | 25V 0.1U         | C720      | ECUV1E104ZFN | 25V 0.1U           | C1109, 1110 | ECBT1H102KB5 | 50V 1000P        |
| C706      | ECUV1H472KBN | 50V 4700P        | C721      | ECUV1E103ZFN | 25V 0.01U          |             |              |                  |

## REPLACEMENT PARTS LIST

Notes: \* The parenthesized indications in the Remarks columns specify the areas. (Refer to the cover page for area.) Parts without these indications can be used for all areas.

| Ref. No. | Part No.     | Part Name & Description     | Remarks | Ref. No. | Part No.     | Part Name & Description       | Remarks |
|----------|--------------|-----------------------------|---------|----------|--------------|-------------------------------|---------|
|          |              | CABINET AND CHASSIS         |         | 21       | RMRO985-K    | EDGE HOLDER                   |         |
|          |              |                             |         | 22       | RMX0118      | PDM SPACER (L)                |         |
|          |              |                             |         | 23       | RMX0123      | PDM SPACER (R)                |         |
| 1        | RHD30007-S   | SCREW                       |         | 24       | RSC0448      | PDM COVER                     |         |
| 2        | RKM0326C-S   | CABINET                     |         | 25       | RSC0458      | PDM EARTH BRACKET             |         |
| 3        | XTBS3+8JFZ1  | SCREW                       |         | 26       | XTB3+6JFZ    | SCREW                         |         |
| 4        | RSC0457      | SHIELD BRACKET              |         | 27       | REZ0902      | CONNECTOR ASS'Y (5P) (W802)   |         |
| 5        | RWJ1808165KK | FLAT CABLE (8P) (W701)      |         | 28       | REZ0900      | FLAT CABLE (14P) (CN801, 802) |         |
| 6        | RGR0241A-C1  | REAR PANEL                  | (E, EG) | 29       | RFKGECA01E-N | FRONT PANEL ASS'Y             |         |
| 6        | RGR0241A-D1  | REAR PANEL                  | (EB)    | 30       | RGK0812-S    | SIDE ORNAMENT (L)             |         |
| 7        | RGW0247-S1   | VOLUME KNOB                 |         | 31       | RGK0813-S    | SIDE ORNAMENT (R)             |         |
| 8        | RFKJEHD7-N   | BOTTOM CHASSIS ASS'Y        |         | 32       | RGK0815-N    | VOLUME ORNAMENT               |         |
| 8-1      | RKA0076-N1   | FOOT                        |         | 33       | RGL0333-1Q   | PANEL LIGHT                   |         |
| 9        | RMN0191      | TRANSFORMER P. C. B. HOLDER |         | 34       | RGU1392-S    | POWER BUTTON                  |         |
| 10       | RMN0203      | P. C. B. HOLDER             |         | 35       | RGU1393-Q    | OPERATION BUTTON              |         |
| 11       | RFKEEHD7-N   | CONNECTOR UNIT (5P) (W803)  |         | 36       | RGW0198-S    | ADJUSTMENT KNOB               |         |
| 12       | RWJ1806380QQ | FLAT CABLE (6P) (W503)      |         | 37       | RHD26016     | SCREW                         |         |
| 13       | RWJ5705300KX | FLAT CABLE (5P) (W504)      |         | 38       | SNE4021-1    | NUT                           |         |
| 14       | RLBT3101-D   | FERRITE CORE (6P)           |         | 39       | XTBS26+8J    | SCREW                         |         |
| 15       | RLBT4001-D   | FERRITE CORE (5P)           |         | 40       | SHE185-2     | P. C. B. SUPPORT              |         |
| 16       | RLB0010      | FERRITE CORE (S)            |         | 41       | XTB3+16JFZ   | SCREW                         |         |
| 17       | RMA0981      | EARTH ANGLE                 |         | 42       | RJS1A5506    | CABLE HOLDER (W503)           |         |
| 18       | RMCO302      | STABILIZER                  |         | 43       | RMZ0397      | BARRIER                       |         |
| 19       | RMFO236      | SHEET                       |         | 44       | RJS2A1305    | CABLE HOLDER (W504)           |         |
| 20       | RMK0322      | PDM CHASSIS                 |         |          |              |                               |         |





# REPLACEMENT PARTS LIST

**Notes:**

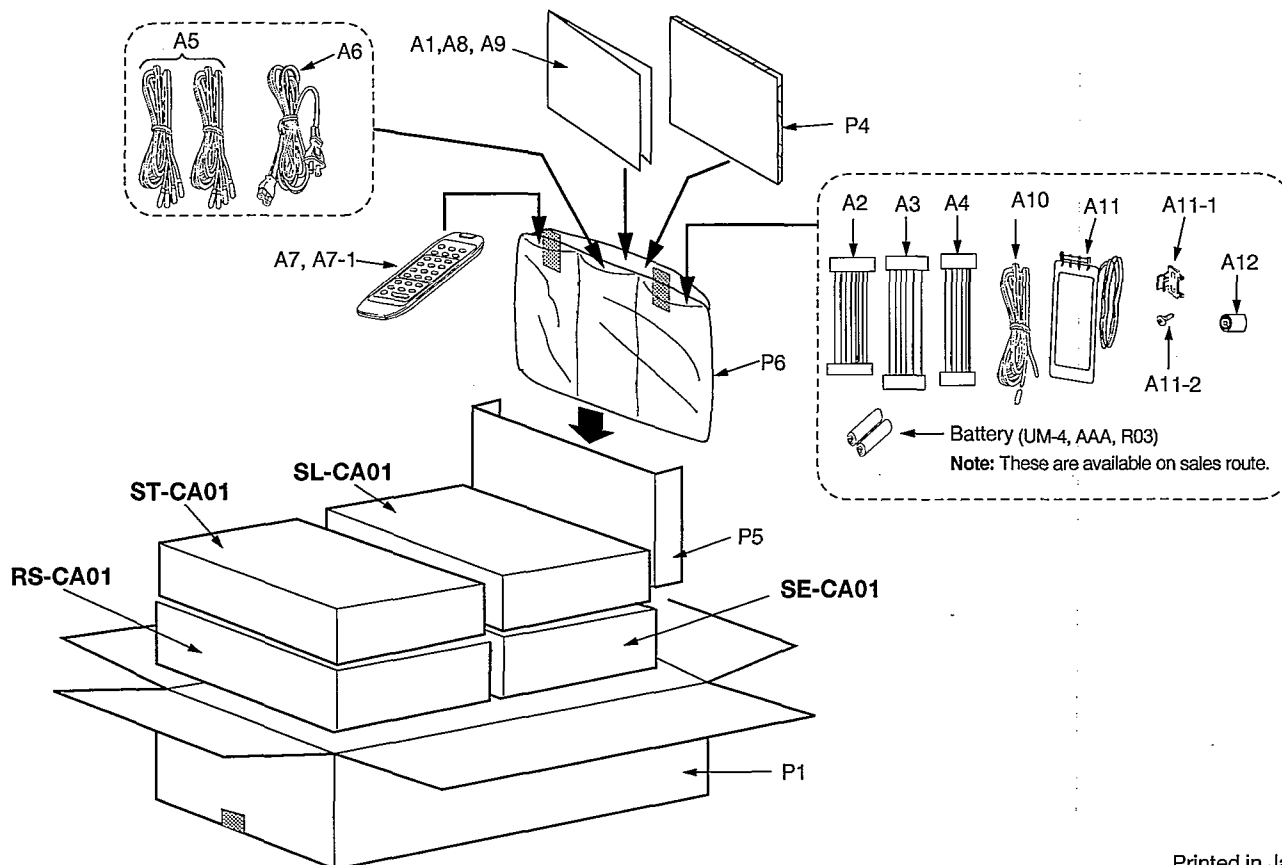
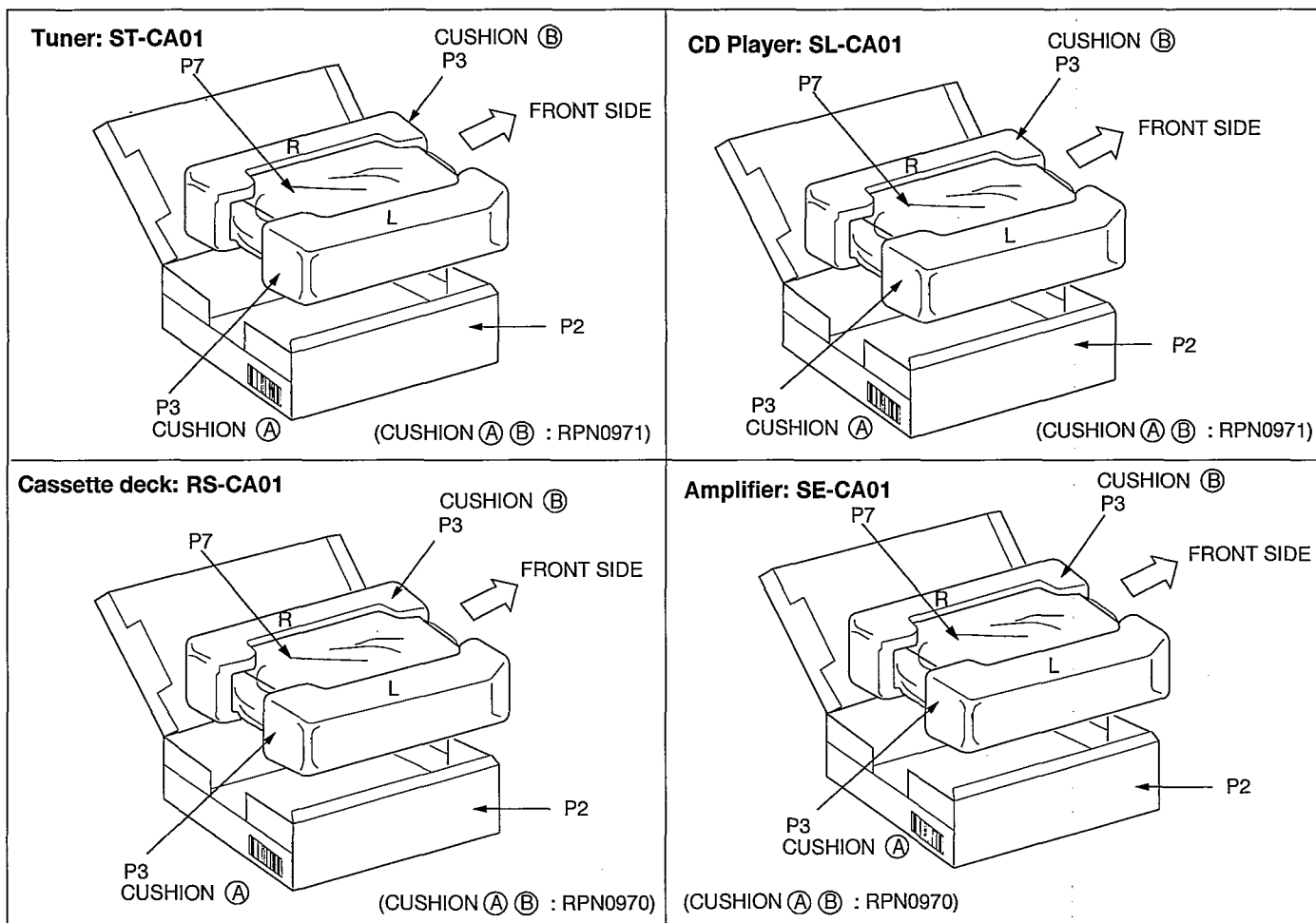
- Important safety notice: Components identified by  $\Delta$  mark have special characteristics important for safety. Furthermore, special parts which have purposes of fire-retardant (resistors), high-quality sound (capacitors), low-noise (resistors), etc. are used. When replacing any of components, be sure to use only manufacturer's specified parts shown in the parts list.
- The parenthesized indications in the Remarks columns specify the areas. (Refer to the cover page for area.)
- Parts without these indications can be used for all areas.
- Remote Control Ass'y: Supply period for three years from termination of production.
- The "(SF)" mark denotes the standard part.
- [V] indicates in Remarks columns parts that are supplied by Video Recorder Division.

| Ref. No.   | Part No.     | Part Name & Description | Remarks  | Ref. No.   | Part No.     | Part Name & Description | Remarks  |
|------------|--------------|-------------------------|----------|------------|--------------|-------------------------|----------|
|            |              | INTEGRATED CIRCUIT(S)   |          | D711, 712  | RL1N4003N02  | DIODE                   | $\Delta$ |
|            |              |                         |          | D713       | MA4051MTA    | DIODE                   | $\Delta$ |
|            |              |                         |          | D714       | MA4240H      | DIODE                   |          |
| IC301      | M5219FPTA    | TONE AMP                |          | D721       | MA4120HTA    | DIODE                   | $\Delta$ |
| IC302      | TC9215AFEL   | MODE SELECTOR           |          | D722, 723  | MA185TA      | DIODE                   |          |
| IC303      | M5218AFPE3   | HEADPHONES AMP          |          | D731       | MA4051MTA    | DIODE                   | $\Delta$ |
| IC304      | M5219FPTA    | BUFFER AMP              |          | D801       | LNJ201LPQJA  | L. E. D.                |          |
| IC501      | NJM2114D     | BUFFER AMP              |          | D802, 803  | LNJ301MPUJAD | L. E. D.                |          |
| IC502      | TC7WU04FT12L | INVERTER                |          | D804       | MA165        | DIODE                   |          |
| IC503      | TC74HC74AFEL | D FLIP-FLOP             |          |            |              | VARIABLE RESISTOR(S)    |          |
| IC504      | TC74HC00AFT1 | NAND GATE               |          |            |              |                         |          |
| IC505, 506 | IR2112       | POWER AMP               |          | VR301, 302 | EVJYA1F04C15 | BASS/TREBLE CONTROL     |          |
| IC507      | TC7W08FTE12L | AND GATE                |          | VR303      | EVJ02QF04G15 | BALANCE CONTROL         |          |
|            |              | TRANSISTOR(S)           |          | VR801      | EVQWQAF2524B | VOLUME CONTROL          |          |
|            |              |                         |          |            |              | COIL(S)                 |          |
| Q301, 302  | 2SC3312RSTA  | TRANSISTOR              |          | L301, 302  | ELEXT101KA9  | COIL                    |          |
| Q303, 304  | 2SD2144S     | TRANSISTOR              |          | L303       | RL1500050T-Y | COIL                    |          |
| Q305       | UN4115       | TRANSISTOR              |          | L501       | RLQT490K-V   | COIL                    |          |
| Q307, 308  | 2SD2144S     | TRANSISTOR              |          | L502       | RLQT490K1-V  | COIL                    |          |
| Q309       | UN4115       | TRANSISTOR              |          | L503       | RLQT490K-V   | COIL                    |          |
| Q501-504   | 2SB792RSTTX  | TRANSISTOR              |          | L504       | RLQT490K1-V  | COIL                    |          |
| Q505-508   | IRFI510G     | TRANSISTOR              |          | L505, 506  | RLQT240K-V   | COIL                    |          |
| Q551, 552  | 2SB792RSTTX  | TRANSISTOR              |          | L507, 508  | BL02RN1R62T2 | COIL                    |          |
| Q553-556   | 2SD1819RTX   | TRANSISTOR              |          | L511       | BL02RN2R62T4 | COIL                    |          |
| Q557       | 2SB1218RTX   | TRANSISTOR              |          | L513-515   | BL02RN2R62T4 | COIL                    |          |
| Q558, 559  | 2SD1819RTX   | TRANSISTOR              |          | L701       | RLQZ271M     | COIL                    | $\Delta$ |
| Q560       | 2SB792RSTTX  | TRANSISTOR              |          | L702-706   | BL02RN2R62T4 | COIL                    |          |
| Q581, 582  | 2SD1819RTX   | TRANSISTOR              |          | L711       | ELEXT101KA9  | COIL                    |          |
| Q583       | 2SB1218RTX   | TRANSISTOR              |          |            |              | TRANSFORMER(S)          |          |
| Q584       | 2SD1819RTX   | TRANSISTOR              |          |            |              |                         |          |
| Q591       | 2SB792RSTTX  | TRANSISTOR              |          | PT701      | RTP2M5B010   | POWER TRANSFORMER       | $\Delta$ |
| Q711       | 2SC3311AIRTA | TRANSISTOR              |          |            |              | OSCILLATOR(S)           |          |
| Q721       | 2SD2137PQTA  | TRANSISTOR              | $\Delta$ |            |              |                         |          |
| Q801-803   | UN4111       | TRANSISTOR              |          | X501       | EFOEC2405T4  | OSCILLATOR (24MHz)      |          |
|            |              | DIODE(S)                |          |            |              | FUSE(S)                 |          |
| D505-508   | MA111TX      | DIODE                   |          | F1         | XBA2C10TB0   | FUSE, 250V 1A           | $\Delta$ |
| D509-514   | D1NL20U-4084 | DIODE                   |          | F701, 702  | XBA2C16TB0   | FUSE, 250V 1.6A         | $\Delta$ |
| D551-557   | MA111TX      | DIODE                   |          |            |              | SWITCH(ES)              |          |
| D558       | MA8033LTX    | DIODE                   |          |            |              |                         |          |
| D559       | MA111TX      | DIODE                   |          |            |              |                         |          |
| D591-593   | MA111TX      | DIODE                   |          |            |              |                         |          |
| D594       | MA4300M      | DIODE                   |          |            |              |                         |          |
| D701-704   | 1N5402BF     | DIODE                   | $\Delta$ |            |              |                         |          |
| D705-707   | MA4150M      | DIODE                   | $\Delta$ |            |              |                         |          |

| Ref. No.   | Part No.     | Part Name & Description      | Remarks | Ref. No. | Part No.     | Part Name & Description    | Remarks         |
|------------|--------------|------------------------------|---------|----------|--------------|----------------------------|-----------------|
| S801       | EVQ21405R    | POWER                        |         |          |              |                            |                 |
| S802       | EVQ21405R    | SOURCE DIRECT                |         |          |              | PACKING MATERIAL           |                 |
| S803       | EVQ21405R    | VOCAL PRESENCE               |         |          |              |                            |                 |
|            |              | RELAY(S)                     |         | P1       | RPG2979      | PACKING CASE (SYSTEM)      |                 |
|            |              |                              |         | P2       | RPG3032      | PACKING CASE (AMPLIFIER)   |                 |
|            |              |                              |         | P2       | RPG3035      | PACKING CASE (TUNER)       |                 |
| RL701      | RSY0013M-0   | RELAY                        | △       | P2       | RPG3034      | PACKING CASE (CD)          |                 |
|            |              | CONNECTOR (S) AND SOCKET (S) |         | P2       | RPG3033      | PACKING CASE (DECK)        |                 |
|            |              |                              |         | P3       | RPND971      | CUSHION (TUNER/CD)         |                 |
| CN301      | RJT057W004-1 | CONNECTOR (4P)               |         | P3       | RPND970      | CUSHION (AMPLIFIER/DECK)   |                 |
| CN501, 502 | RJT057W007-1 | CONNECTOR (7P)               |         | P4       | RPQ0164      | PAD                        |                 |
| CN503      | RJS1A6606    | CONNECTOR (6P)               |         | P5       | RPQ0604      | SPACER                     |                 |
| CN504      | RJS5T7ZA     | CONNECTOR (5P)               |         | P6       | RPF0139      | PROTECTION BAG (F. B. )    |                 |
| CN701-711  | RJS1A1101T1  | CONNECTOR (1P)               |         | P7       | SPP740       | PROTECTION BAG (UNIT)      |                 |
| CN715      | RJT057W004-1 | CONNECTOR (4P)               |         |          |              | ACCESSORIES                |                 |
| CN716-718  | RJT057W007-1 | CONNECTOR (7P)               |         |          |              |                            |                 |
| CN801, 802 | RJS1A6714    | CONNECTOR (14P)              |         | A1       | RFKSECA01E-N | INSTRUCTION MANUAL ASS'Y   | (E)             |
| CP301      | RJU057W004   | SOCKET (4P)                  |         | A1       | RFKSECA01EBN | INSTRUCTION MANUAL ASS'Y   | (EB)            |
| CP501, 502 | RJU057W007   | SOCKET (7P)                  |         | A1       | RQT3503-D    | INSTRUCTION MANUAL         | (EG)            |
| CP715      | RJU057W004   | SOCKET (4P)                  |         | A2       | REX0608      | FLAT CABLE (short) (20P)   |                 |
| CP716-718  | RJU057W007   | SOCKET (7P)                  |         | A3       | REX0812      | FLAT CABLE (long) (19P)    |                 |
| JK201      | RJT065K20    | CONNECTOR (20P)              |         | A4       | REX0813      | FLAT CABLE (middle) (15P)  |                 |
|            |              | JACK (S) AND TERMINAL (S)    |         | A5       | RFA0737-R    | SPEAKER CORD UNIT          |                 |
|            |              |                              |         | A6       | RJA0019-2K   | AC POWER SUPPLY CORD       | (E, EG) △ (SF)  |
| JK301      | RJJ37TN01-C  | HEADPHONES                   |         | A6       | VJA0733      | AC POWER SUPPLY CORD       | (EB) △ (SF) [V] |
| JK501      | RJR0054      | SPEAKERS                     |         | A7       | RAK-CH193WH  | REMOTE CONTROL TRANSMITTER |                 |
| JK701      | SJS9236      | AC INLET                     | △       | A7-1     | RKK0057-K    | BATTERY COVER FOR R. C. T. |                 |
|            |              | EARTH PLATE (S)              |         | A8       | RQA0117      | WARRANTY CARD              |                 |
|            |              |                              |         | A9       | RQCB0169     | SERVICENTER LIST           |                 |
| E701       | SNE1004-2    | EARTH PLATE                  |         | A10      | RSA0007      | FM INDOOR ANTENNA          |                 |
|            |              | FUSE HOLDER (S)              |         | A11      | RSA0012      | AM LOOP ANTENNA            |                 |
|            |              |                              |         | A11-1    | RMN0244      | ANTENNA HOLDER             |                 |
| FC1-6      | EYF52BC      | FUSE HOLDER                  |         | A11-2    | XTN3+12AFZ   | SCREW                      |                 |
|            |              |                              |         | A12      | SJP9009      | ATTACHMENT PLUG            | (EB) △          |
|            |              |                              |         |          |              | <GREASE OR JIG/TOOL>       |                 |
|            |              |                              |         |          |              | GREASE                     |                 |
|            |              |                              |         | SA1      | RFKX0002     | COMPOUND GREASE            |                 |

# **PACKAGING**

(02)



# RESISTORS AND CAPACITORS

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

| Ref. No.  | Part No.     | Values & Remarks | Ref. No.  | Part No.      | Values & Remarks   | Ref. No.  | Part No.     | Values & Remarks |
|-----------|--------------|------------------|-----------|---------------|--------------------|-----------|--------------|------------------|
|           |              | RESISTORS        | R557, 558 | ERJ6GEYJ103V  | 1/10W 10K          |           |              | CAPACITORS       |
|           |              |                  | R559      | ERJ6GEYJ153V  | 1/10W 15K          |           |              |                  |
|           |              |                  | R561      | ERJ6GEYJ152V  | 1/10W 1.5K         |           |              |                  |
| R301-304  | ERDS2TJ103   | 1/4W 10K         | R562      | ERJ6GEYJ153V  | 1/10W 15K          | C301, 302 | ECEA1HKAR22B | 50V 0.22U        |
| R305, 306 | ERDS2TJ224T  | 1/4W 220K        | R563      | ERJ6GEYJ473V  | 1/10W 47K          | C303, 304 | ECBT1H101KB5 | 50V 100P         |
| R307, 308 | ERDS2TJ392T  | 1/4W 3.9K        | R564, 565 | ERJ6GEYJ103V  | 1/10W 10K          | C305, 306 | ECBT1H820KB5 | 50V 82P          |
| R309, 310 | ERDS2TJ223   | 1/4W 22K         | R566      | ERJ6GEYJ222V  | 1/10W 2.2K         | C307, 308 | RCE1CKA100BG | 16V 10U          |
| R311, 312 | ERDS2TJ102   | 1/4W 1K          | R567, 568 | ERJ6GEYJ153V  | 1/10W 15K          | C309, 310 | ECBT1H390J5  | 50V 39P          |
| R313, 314 | ERDS2TJ392T  | 1/4W 3.9K        | R569      | ERJ6GEYJ473V  | 1/10W 47K          | C311, 312 | ECEA1HKA2R2B | 50V 2.2U         |
| R315, 316 | ERDS2TJ223   | 1/4W 22K         | R570      | ERJ6GEYJ103V  | 1/10W 10K          | C313, 314 | ECQV1H823JM3 | 50V 0.082U       |
| R317, 318 | ERDS2TJ392T  | 1/4W 3.9K        | R571      | ERJ6GEYJ102V  | 1/10W 1K           | C315, 316 | ECQB1H153JF3 | 50V 0.015U       |
| R319, 320 | ERDS2TJ183T  | 1/4W 18K         | R572      | ERJ6GEYJ103V  | 1/10W 10K          | C317, 318 | ECQB1H183JF3 | 50V 0.018U       |
| R321, 322 | ERDS2TJ392T  | 1/4W 3.9K        | R573      | ERJ6GEYJ472V  | 1/10W 4.7K         | C319, 320 | ECQB1H222JF3 | 50V 2200P        |
| R323      | ERDS2TJ561   | 1/4W 560         | R574      | ERJ6GEYJ103V  | 1/10W 10K          | C321, 322 | ECBT1E223ZF  | 25V 0.022U       |
| R325, 326 | ERDS2TJ152   | 1/4W 1.5K        | R575      | ERJ6GEYJ105   | 1/10W 1M           | C323, 324 | ECBT1H121KB5 | 50V 120P         |
| R327, 328 | ERDS2TJ562   | 1/4W 5.6K        | R581      | ERJ6GEYJ124V  | 1/10W 120K         | C325, 326 | ECQV1H333JM3 | 50V 0.033U       |
| R329, 330 | ERDS2TJ104   | 1/4W 100K        | R582      | ERJ6GEYJ823   | 1/10W 82K          | C327, 328 | ECQB1H122JF3 | 50V 1200P        |
| R332      | ERDS2TJ222   | 1/4W 2.2K        | R583      | ERJ6GEYJ563V  | 1/10W 56K          | C330, 331 | ECBT1E103ZF  | 25V 0.01U        |
| R333, 334 | ERDS2TJ122   | 1/4W 1.2K        | R584      | ERJ6GEYJ564V  | 1/10W 560K         | C332      | ECEA1HKA010B | 50V 1U           |
| R335, 336 | ERDS2EJ121   | 1/4W 120         | R585      | ERJ6GEYJ223V  | 1/10W 22K          | C333, 334 | RCE1CKA100BG | 16V 10U          |
| R337      | ERDS2TJ224T  | 1/4W 220K        | R586      | ERJ6GEYJ103V  | 1/10W 10K          | C335      | RCE1AKA101BG | 10V 100U         |
| R341, 342 | ERDS2TJ471   | 1/4W 470         | R587      | ERDS2TJ473    | 1/4W 47K           | C341-344  | ECBT1H101KB5 | 50V 100P         |
| R343, 344 | ERDS2TJ333   | 1/4W 33K         | R591, 592 | ERJ6GEYJ102V  | 1/10W 1K           | C345, 346 | ECBT1H331KB5 | 50V 330P         |
| R345, 346 | ERDS2TJ122   | 1/4W 1.2K        | R593      | ERJ6GEYJ473V  | 1/10W 47K          | C347, 348 | RCE1CKA100BG | 16V 10U          |
| R347, 348 | ERDS2TJ332   | 1/4W 3.3K        | R594      | ERJ6GEYJ223V  | 1/10W 22K          | C349-352  | ECBT1E103ZF  | 25V 0.01U        |
| R349-352  | ERDS2TJ470   | 1/4W 47          | R701, 702 | ERDS1FVJ182T  | 1/2W 1.8K $\Delta$ | C353      | ECBT1H102KB5 | 50V 1000P        |
| R353, 354 | ERDS2EJ121   | 1/4W 120         | R703      | ERDS1FVJ392T  | 1/2W 3.9K $\Delta$ | C354, 355 | ECBT1C105ZF5 | 16V 1U           |
| R355      | ERDS2TJ334   | 1/4W 330K        | R704      | ERQ16NKNW1ROE | 1W 1.0 $\Delta$    | C361, 362 | ECBT1H473ZF5 | 50V 0.047U       |
| R356      | ERDS2TJ222   | 1/4W 2.2K        | R711      | ERG1SJ221E    | 1W 220             | C371, 372 | ECBT1E103ZF  | 25V 0.01U        |
| R361      | ERDS2TJ273   | 1/4W 27K         | R712      | ERG1SJ271E    | 1W 270             | C381, 382 | ECQV1H224JM3 | 50V 0.22U        |
| R371, 372 | ERDS2TJ562   | 1/4W 5.6K        | R713      | ERDS2TJ333    | 1/4W 33K           | C501, 502 | RCE1CKA100BG | 16V 10U          |
| R373, 374 | ERDS2TJ332   | 1/4W 3.3K        | R714      | ERDS2TJ392T   | 1/4W 3.9K          | C503-506  | ECUV1H102KBN | 50V 1000P        |
| R381, 382 | ERDS2TJ392T  | 1/4W 3.9K        | R715      | ERDS2TJ473    | 1/4W 47K           | C507      | ECUV1E103ZFN | 25V 0.01U        |
| R501, 502 | ERJ6GEYJ472V | 1/10W 4.7K       | R721      | ERG2ANJP331S  | 2W 330             | C509, 510 | ECUV1H331KBN | 50V 330P         |
| R503, 504 | ERJ6GEYJ824V | 1/10W 820K       | R722      | ERDS2TJ222    | 1/4W 2.2K          | C511, 512 | ECUV1E103ZFN | 25V 0.01U        |
| R505, 506 | ERJ6GEYJ103V | 1/10W 10K        | R731, 732 | ERDS2TJ221    | 1/4W 220           | C513, 514 | ECUV1E224ZFN | 25V 0.22U        |
| R507      | ERJ6GEYJ301V | 1/10W 300        | R741, 742 | ERDS2TJ102    | 1/4W 1K            | C515-518  | ECUVNC105ZFN | 16V 1U           |
| R508      | ERJ6GEYJ241V | 1/10W 240        | R751-753  | ERDS2TJ101    | 1/4W 100           | C519, 520 | ECQV1H155JL3 | 50V 1.5U         |
| R511, 512 | ERJ6GEYJ153V | 1/10W 15K        | R801      | ERDS2TJ821    | 1/4W 820           | C521, 522 | ECQV1H105JM3 | 50V 1U           |
| R513-516  | ERJ6GEYJ562V | 1/10W 5.6K       | R802      | ERDS2TJ102    | 1/4W 1K            | C523, 524 | ECQV1H224JM3 | 50V 0.22U        |
| R517-520  | ERJ6GEYJ180V | 1/10W 1.0        | R803      | ERDS2TJ271    | 1/4W 270           | C525      | ECUV1H682KBN | 50V 6800P        |
| R523, 524 | ERJ6GEYJ473V | 1/10W 47K        | R805      | ERDS2TJ472    | 1/4W 4.7K          | C526      | ECUV1H181KCN | 50V 180P         |
| R525      | ERJ6GEYJ273V | 1/10W 27K        | R807      | ERDS2TJ331    | 1/4W 330           | C527      | ECUVNC225ZFN | 16V 2.2U         |
| R526      | ERJ6GEYJ153V | 1/10W 15K        | R808      | ERDS2TJ104    | 1/4W 100K          | C529, 530 | ECUV1H223ZFN | 50V 0.022U       |
| R541      | ERJ6GEYJ105  | 1/10W 1M         | R810      | ERDS2TJ331    | 1/4W 330           | C531, 532 | ECUV2H101JCM | 500V 100P        |
| R544      | ERJ6GEYJ221V | 1/10W 220        |           |               |                    | C533-536  | ECUV1H102KBN | 50V 1000P        |
| R551, 552 | ERJ6GEYJ181V | 1/10W 180        |           |               | CHIP JUMPERS       | C543, 544 | ECUV1E103ZFN | 25V 0.01U        |
| R553, 554 | ERJ6GEYJ392V | 1/10W 3.9K       |           |               |                    | C547      | ECUV1H562KBN | 50V 5600P        |
| R555, 556 | ERF2EXKR22V  | 2W 0.22          | R509, 510 | ERJ6GEYOR00V  | CHIP JUMPER        | C551      | ECEA0JKA101B | 6.3V 100U        |

| Ref. No.  | Part No.     | Values & Remarks | Ref. No.  | Part No.     | Values & Remarks   | Ref. No.    | Part No.     | Values & Remarks |
|-----------|--------------|------------------|-----------|--------------|--------------------|-------------|--------------|------------------|
| C552      | ECUV1E224ZFN | 25V 0.22U        | C707, 708 | ECA1EM101B   | 25V 100U           | C722        | RCE1CKA100BG | 16V 10U          |
| C553, 554 | ECUVNC225ZFN | 16V 2.2U         | C709, 710 | ECUV1E104ZFN | 25V 0.1U           | C723        | ECEA1CKA101B | 16V 100U         |
| C555      | ECUV1H102KBN | 50V 1000P        | C711      | ECQE1104KF3  | 100V 0.1U          | C724, 725   | ECUV1H102KBN | 50V 1000P        |
| C561      | ECUV1H472KBN | 50V 4700P        | C712      | ECKR2H102ZF5 | 500V 1000P         | C731        | ECEA0JKA101B | 6.3V 100U        |
| C581      | ECEA0JKA101B | 6.3V 100U        | C713      | ECA1HM470B   | 50V 47U $\Delta$   | C732        | ECUVNC105ZFN | 16V 1U           |
| C582      | ECUV1E223ZFN | 25V 0.022U       | C715      | ECA1HM102E   | 50V 1000U $\Delta$ | C751        | ECBT1E223ZF  | 25V 0.022U       |
| C583      | ECUVNC105ZFN | 16V 1U           | C716      | ECA1HM102B   | 50V 1000U $\Delta$ | C752        | ECBT1H102KB5 | 50V 1000P        |
| C701      | ECUV1E104ZFN | 25V 0.1U         | C717      | ECA1HM102E   | 50V 1000U $\Delta$ | C1101, 1102 | ECBT1E223ZF  | 25V 0.022U       |
| C702      | ECUV1H101KCN | 50V 100P         | C718      | ECA1HM102B   | 50V 1000U $\Delta$ | C1103-1106  | ECBT1H102KB5 | 50V 1000P        |
| C703, 704 | EEUFA1H561E  | 50V 560U         | C719      | ECEA1EKA470B | 25V 47U            | C1107, 1108 | ECBT1C105ZF5 | 16V 1U           |
| C705      | ECUV1E104ZFN | 25V 0.1U         | C720      | ECUV1E104ZFN | 25V 0.1U           | C1109, 1110 | ECBT1H102KB5 | 50V 1000P        |
| C706      | ECUV1H472KBN | 50V 4700P        | C721      | ECUV1E103ZFN | 25V 0.01U          |             |              |                  |

## REPLACEMENT PARTS LIST

Notes: \* The parenthesized indications in the Remarks columns specify the areas. (Refer to the cover page for area.) Parts without these indications can be used for all areas.

| Ref. No. | Part No.     | Part Name & Description     | Remarks | Ref. No. | Part No.     | Part Name & Description       | Remarks |
|----------|--------------|-----------------------------|---------|----------|--------------|-------------------------------|---------|
|          |              | CABINET AND CHASSIS         |         | 21       | RMRO985-K    | EDGE HOLDER                   |         |
|          |              |                             |         | 22       | RMX0118      | PDM SPACER (L)                |         |
|          |              |                             |         | 23       | RMX0123      | PDM SPACER (R)                |         |
| 1        | RHD30007-S   | SCREW                       |         | 24       | RSC0448      | PDM COVER                     |         |
| 2        | RKM0326C-S   | CABINET                     |         | 25       | RSC0458      | PDM EARTH BRACKET             |         |
| 3        | XTBS3+8JFZ1  | SCREW                       |         | 26       | XTB3+6JFZ    | SCREW                         |         |
| 4        | RSC0457      | SHIELD BRACKET              |         | 27       | REZ0902      | CONNECTOR ASS'Y (5P) (W802)   |         |
| 5        | RWJ1808165KK | FLAT CABLE (8P) (W701)      |         | 28       | REZ0900      | FLAT CABLE (14P) (CN801, 802) |         |
| 6        | RGR0241A-C1  | REAR PANEL                  | (E, EG) | 29       | RFKGECA01E-N | FRONT PANEL ASS'Y             |         |
| 6        | RGR0241A-D1  | REAR PANEL                  | (EB)    | 30       | RGK0812-S    | SIDE ORNAMENT (L)             |         |
| 7        | RGW0247-S1   | VOLUME KNOB                 |         | 31       | RGK0813-S    | SIDE ORNAMENT (R)             |         |
| 8        | RFKJEHD7-N   | BOTTOM CHASSIS ASS'Y        |         | 32       | RGK0815-N    | VOLUME ORNAMENT               |         |
| 8-1      | RKA0076-N1   | FOOT                        |         | 33       | RGL0333-1Q   | PANEL LIGHT                   |         |
| 9        | RMN0191      | TRANSFORMER P. C. B. HOLDER |         | 34       | RGU1392-S    | POWER BUTTON                  |         |
| 10       | RMN0203      | P. C. B. HOLDER             |         | 35       | RGU1393-Q    | OPERATION BUTTON              |         |
| 11       | RFKEHD7-N    | CONNECTOR UNIT (5P) (W803)  |         | 36       | RGW0198-S    | ADJUSTMENT KNOB               |         |
| 12       | RWJ1806380QQ | FLAT CABLE (6P) (W503)      |         | 37       | RHD26016     | SCREW                         |         |
| 13       | RWJ5705300KX | FLAT CABLE (5P) (W504)      |         | 38       | SNE4021-1    | NUT                           |         |
| 14       | RLBT3101-D   | FERRITE CORE (6P)           |         | 39       | XTBS26+8J    | SCREW                         |         |
| 15       | RLBT4001-D   | FERRITE CORE (5P)           |         | 40       | SHE185-2     | P. C. B. SUPPORT              |         |
| 16       | RLB0010      | FERRITE CORE (S)            |         | 41       | XTB3+16JFZ   | SCREW                         |         |
| 17       | RMA0981      | EARTH ANGLE                 |         | 42       | RJS1A5506    | CABLE HOLDER (W503)           |         |
| 18       | RMCO302      | STABILIZER                  |         | 43       | RMZ0397      | BARRIER                       |         |
| 19       | RMFO236      | SHEET                       |         | 44       | RJS2A1305    | CABLE HOLDER (W504)           |         |
| 20       | RMK0322      | PDM CHASSIS                 |         |          |              |                               |         |



# 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 manufacturer's specified parts shown in the parts list.
- The parenthesized indications in the Remarks columns specify the areas. (Refer to the cover page for area.)
- Parts without these indications can be used for all areas.
- Remote Control Ass'y: Supply period for three years from termination of production.
- The "(SF)" mark denotes the standard part.
- [V] indicates in Remarks columns parts that are supplied by Video Recorder Division.

| Ref. No.   | Part No.     | Part Name & Description | Remarks  | Ref. No.   | Part No.     | Part Name & Description | Remarks  |
|------------|--------------|-------------------------|----------|------------|--------------|-------------------------|----------|
|            |              | INTEGRATED CIRCUIT(S)   |          | D711, 712  | RL1N4003N02  | DIODE                   | $\Delta$ |
|            |              |                         |          | D713       | MA4051MTA    | DIODE                   | $\Delta$ |
|            |              |                         |          | D714       | MA4240H      | DIODE                   |          |
| IC301      | M5219FPTA    | TONE AMP                |          | D721       | MA4120HTA    | DIODE                   | $\Delta$ |
| IC302      | TC9215AFEL   | MODE SELECTOR           |          | D722, 723  | MA185TA      | DIODE                   |          |
| IC303      | M5218AFPE3   | HEADPHONES AMP          |          | D731       | MA4051MTA    | DIODE                   | $\Delta$ |
| IC304      | M5219FPTA    | BUFFER AMP              |          | D801       | LNJ201LPQJA  | L. E. D.                |          |
| IC501      | NJM2114D     | BUFFER AMP              |          | D802, 803  | LNJ301MPUJAD | L. E. D.                |          |
| IC502      | TC7WU04FT12L | INVERTER                |          | D804       | MA165        | DIODE                   |          |
| IC503      | TC74HC74AFEL | D FLIP-FLOP             |          |            |              | VARIABLE RESISTOR(S)    |          |
| IC504      | TC74HC00AFT1 | NAND GATE               |          |            |              |                         |          |
| IC505, 506 | IR2112       | POWER AMP               |          | VR301, 302 | EVJYA1F04C15 | BASS/TREBLE CONTROL     |          |
| IC507      | TC7W08FTE12L | AND GATE                |          | VR303      | EVJ02QF04G15 | BALANCE CONTROL         |          |
|            |              | TRANSISTOR(S)           |          | VR801      | EVQWQAF2524B | VOLUME CONTROL          |          |
|            |              |                         |          |            |              | COIL(S)                 |          |
| Q301, 302  | 2SC3312RSTA  | TRANSISTOR              |          | L301, 302  | ELEXT101KA9  | COIL                    |          |
| Q303, 304  | 2SD2144S     | TRANSISTOR              |          | L303       | RL1500050T-Y | COIL                    |          |
| Q305       | UN4115       | TRANSISTOR              |          | L501       | RLQT490K-V   | COIL                    |          |
| Q307, 308  | 2SD2144S     | TRANSISTOR              |          | L502       | RLQT490K1-V  | COIL                    |          |
| Q309       | UN4115       | TRANSISTOR              |          | L503       | RLQT490K-V   | COIL                    |          |
| Q501-504   | 2SB792RSTTX  | TRANSISTOR              |          | L504       | RLQT490K1-V  | COIL                    |          |
| Q505-508   | IRFI510G     | TRANSISTOR              |          | L505, 506  | RLQT240K-V   | COIL                    |          |
| Q551, 552  | 2SB792RSTTX  | TRANSISTOR              |          | L507, 508  | BL02RN1R62T2 | COIL                    |          |
| Q553-556   | 2SD1819RTX   | TRANSISTOR              |          | L511       | BL02RN2R62T4 | COIL                    |          |
| Q557       | 2SB1218RTX   | TRANSISTOR              |          | L513-515   | BL02RN2R62T4 | COIL                    |          |
| Q558, 559  | 2SD1819RTX   | TRANSISTOR              |          | L701       | RLQZ271M     | COIL                    | $\Delta$ |
| Q560       | 2SB792RSTTX  | TRANSISTOR              |          | L702-706   | BL02RN2R62T4 | COIL                    |          |
| Q581, 582  | 2SD1819RTX   | TRANSISTOR              |          | L711       | ELEXT101KA9  | COIL                    |          |
| Q583       | 2SB1218RTX   | TRANSISTOR              |          |            |              | TRANSFORMER(S)          |          |
| Q584       | 2SD1819RTX   | TRANSISTOR              |          |            |              |                         |          |
| Q591       | 2SB792RSTTX  | TRANSISTOR              |          | PT701      | RTP2M5B010   | POWER TRANSFORMER       | $\Delta$ |
| Q711       | 2SC3311AIRTA | TRANSISTOR              |          |            |              | OSCILLATOR(S)           |          |
| Q721       | 2SD2137PQTA  | TRANSISTOR              | $\Delta$ |            |              |                         |          |
| Q801-803   | UN4111       | TRANSISTOR              |          | X501       | EFOEC2405T4  | OSCILLATOR (24MHz)      |          |
|            |              | DIODE(S)                |          |            |              | FUSE(S)                 |          |
| D505-508   | MA111TX      | DIODE                   |          | F1         | XBA2C10TB0   | FUSE, 250V 1A           | $\Delta$ |
| D509-514   | D1NL20U-4084 | DIODE                   |          | F701, 702  | XBA2C16TB0   | FUSE, 250V 1.6A         | $\Delta$ |
| D551-557   | MA111TX      | DIODE                   |          |            |              | SWITCH(ES)              |          |
| D558       | MA8033LTX    | DIODE                   |          |            |              |                         |          |
| D559       | MA111TX      | DIODE                   |          |            |              |                         |          |
| D591-593   | MA111TX      | DIODE                   |          |            |              |                         |          |
| D594       | MA4300M      | DIODE                   |          |            |              |                         |          |
| D701-704   | 1N5402BF     | DIODE                   | $\Delta$ |            |              |                         |          |
| D705-707   | MA4150M      | DIODE                   | $\Delta$ |            |              |                         |          |



| Ref. No.   | Part No.     | Part Name & Description      | Remarks | Ref. No. | Part No.     | Part Name & Description    | Remarks         |
|------------|--------------|------------------------------|---------|----------|--------------|----------------------------|-----------------|
| S801       | EVQ21405R    | POWER                        |         |          |              |                            |                 |
| S802       | EVQ21405R    | SOURCE DIRECT                |         |          |              | PACKING MATERIAL           |                 |
| S803       | EVQ21405R    | VOCAL PRESENCE               |         |          |              |                            |                 |
|            |              | RELAY(S)                     |         | P1       | RPG2979      | PACKING CASE (SYSTEM)      |                 |
|            |              |                              |         | P2       | RPG3032      | PACKING CASE (AMPLIFIER)   |                 |
|            |              |                              |         | P2       | RPG3035      | PACKING CASE (TUNER)       |                 |
| RL701      | RSY0013M-0   | RELAY                        | △       | P2       | RPG3034      | PACKING CASE (CD)          |                 |
|            |              | CONNECTOR (S) AND SOCKET (S) |         | P2       | RPG3033      | PACKING CASE (DECK)        |                 |
|            |              |                              |         | P3       | RPND971      | CUSHION (TUNER/CD)         |                 |
| CN301      | RJT057W004-1 | CONNECTOR (4P)               |         | P3       | RPND970      | CUSHION (AMPLIFIER/DECK)   |                 |
| CN501, 502 | RJT057W007-1 | CONNECTOR (7P)               |         | P4       | RPQ0164      | PAD                        |                 |
| CN503      | RJS1A6606    | CONNECTOR (6P)               |         | P5       | RPQ0604      | SPACER                     |                 |
| CN504      | RJS5T7ZA     | CONNECTOR (5P)               |         | P6       | RPF0139      | PROTECTION BAG (F. B. )    |                 |
| CN701-711  | RJS1A1101T1  | CONNECTOR (1P)               |         | P7       | SPP740       | PROTECTION BAG (UNIT)      |                 |
| CN715      | RJT057W004-1 | CONNECTOR (4P)               |         |          |              | ACCESSORIES                |                 |
| CN716-718  | RJT057W007-1 | CONNECTOR (7P)               |         |          |              |                            |                 |
| CN801, 802 | RJS1A6714    | CONNECTOR (14P)              |         | A1       | RFKSECA01E-N | INSTRUCTION MANUAL ASS'Y   | (E)             |
| CP301      | RJU057W004   | SOCKET (4P)                  |         | A1       | RFKSECA01EBN | INSTRUCTION MANUAL ASS'Y   | (EB)            |
| CP501, 502 | RJU057W007   | SOCKET (7P)                  |         | A1       | RQT3503-D    | INSTRUCTION MANUAL         | (EG)            |
| CP715      | RJU057W004   | SOCKET (4P)                  |         | A2       | REX0608      | FLAT CABLE (short) (20P)   |                 |
| CP716-718  | RJU057W007   | SOCKET (7P)                  |         | A3       | REX0812      | FLAT CABLE (long) (19P)    |                 |
| JK201      | RJT065K20    | CONNECTOR (20P)              |         | A4       | REX0813      | FLAT CABLE (middle) (15P)  |                 |
|            |              | JACK (S) AND TERMINAL (S)    |         | A5       | RFA0737-R    | SPEAKER CORD UNIT          |                 |
|            |              |                              |         | A6       | RJA0019-2K   | AC POWER SUPPLY CORD       | (E, EG) △ (SF)  |
| JK301      | RJJ37TN01-C  | HEADPHONES                   |         | A6       | VJA0733      | AC POWER SUPPLY CORD       | (EB) △ (SF) [V] |
| JK501      | RJR0054      | SPEAKERS                     |         | A7       | RAK-CH193WH  | REMOTE CONTROL TRANSMITTER |                 |
| JK701      | SJS9236      | AC INLET                     | △       | A7-1     | RKK0057-K    | BATTERY COVER FOR R. C. T. |                 |
|            |              | EARTH PLATE (S)              |         | A8       | RQA0117      | WARRANTY CARD              |                 |
|            |              |                              |         | A9       | RQCB0169     | SERVICENTER LIST           |                 |
| E701       | SNE1004-2    | EARTH PLATE                  |         | A10      | RSA0007      | FM INDOOR ANTENNA          |                 |
|            |              | FUSE HOLDER (S)              |         | A11      | RSA0012      | AM LOOP ANTENNA            |                 |
|            |              |                              |         | A11-1    | RMN0244      | ANTENNA HOLDER             |                 |
| FC1-6      | EYF52BC      | FUSE HOLDER                  |         | A11-2    | XTN3+12AFZ   | SCREW                      |                 |
|            |              |                              |         | A12      | SJP9009      | ATTACHMENT PLUG            | (EB) △          |
|            |              |                              |         |          |              | <GREASE OR JIG/TOOL>       |                 |
|            |              |                              |         |          |              | GREASE                     |                 |
|            |              |                              |         | SA1      | RFKX0002     | COMPOUND GREASE            |                 |

# **PACKAGING**

(02)

