

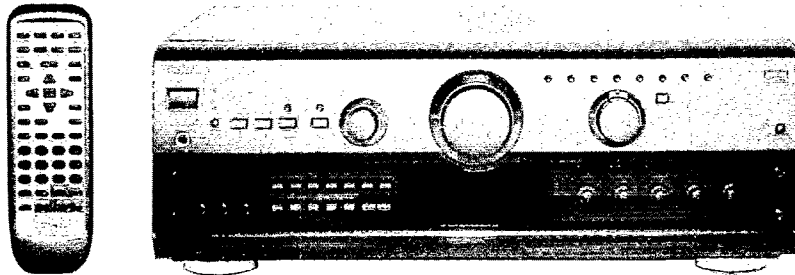
# Service Manual

AV Control Stereo Receiver



Receiver

SA-AX6



Colour

(K) . . . . . Black Type

Area

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

## Specifications

### Amplifier Section

Rated minimum sine wave RMS power output	
20 Hz-20 kHz both channels driven	80 W per channel (6Ω)
0.05% total harmonic distortion	
1 kHz continuous power output both channels driven	100 W per channel (6Ω)
0.05% total harmonic distortion	
Total harmonic distortion	
Rated power at 20 Hz - 20 kHz	0.05 % (6Ω)
Half power at 1 kHz	0.03 % (6Ω)
Power output at the DVD 6CH operation	
20 Hz-20 kHz (each channels driven)	
0.09% total harmonic distortion	
Front	2 X 100 W (6Ω)
Center	100 W (6Ω)
Surround	2 X 100 W (6Ω)
Subwoofer (f=100 Hz)	100 W (6Ω)
Low frequency damping factor	30 (6Ω)
Load impedance	
Front	A or B 4 - 16 Ω
	A and B 8 - 16 Ω
	BI-WIRE 6 - 16 Ω
Center	6 - 16 Ω
Surround	6 - 16 Ω
Subwoofer	6 - 16 Ω
Dynamic headroom	2 dB (8 Ω)
Frequency response	
PHONO	RIAA standard curve (30 Hz-15 kHz) ± 0.8 dB
CD, TAPE, DVD, VCR 1, TV/DSS/VCR 2, VCR 3	10 Hz - 40 kHz, ± 3 dB
Input sensitivity	
PHONO	0.4 mV (3 mV, IHF '66)
CD, TAPE, DVD, VCR 1, TV/DSS/VCR 2, VCR 3	27 mV (200 mV, IHF '66)
S/N (IHF A)	
PHONO	70 dB (80 dB, IHF '66)

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CD, TAPE, DVD, VCR 1, TV/DSS/VCR 2, VCR 3

75 dB (85 dB, IHF '66)

Input impedance

PHONO 47 kΩ

CD, TAPE, DVD, VCR 1, TV/DSS/VCR 2, VCR 3 22 kΩ

Tone controls

BASS 50 Hz, +10 to -10 dB

TREBLE 20 kHz, +10 to -10 dB

Adaptive control (volume at -30 dB)

50 Hz, +9 dB

Subwoofer cut off frequency control

50 - 200 Hz

### FM Tuner Section

Frequency range	87.50 - 108.00 MHz
Sensitivity	
S/N 30 dB	1.5 μV/75 Ω
S/N 26 dB	1.3 μV/75 Ω
S/N 20 dB	1.2 μV/75 Ω
46 dB quieting sensitivity	22 μV/75 Ω
Total harmonic distortion	
MONO	0.2 %
STEREO	0.3 %
S/N	
MONO	60 dB (75 dB, IHF)
STEREO	58 dB (71 dB, IHF)
Frequency response	20 Hz - 15 kHz (+1 dB, -2 dB)
Alternate channel selectivity	65 dB
Capture ratio	1.5 dB
Image rejection at 98 MHz	40 dB
IF rejection at 98 MHz	70 dB
Spurious response rejection at 98 MHz	70 dB
AM suppression	50 dB
Stereo separation	
1 kHz	40 dB
Antenna terminal	75 Ω (unbalanced)

### 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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**AM Tuner Section**

Frequency range	522 — 1611 kHz
Sensitivity	20 $\mu$ V, 330 $\mu$ V/m
Selectivity	55 dB
IF rejection at 1000 kHz	50 dB

**Video Section**

Output voltage at 1 V input (unbalanced)	1 $\pm$ 0.1 Vp-p
Maximum input voltage	1.5 Vp-p
Input/output impedance	75 $\Omega$

**General**

<b>Power consumption</b>	300 W
<b>Power supply (E/EG)</b>	AC 230 V, 50 Hz
<b>(EB)</b>	AC 230 – 240 V, 50 Hz
<b>Dimensions (W x H x D)</b>	430 x 158 x 378.4 mm
<b>Weight</b>	11 kg

**Notes :**

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

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**Before Repair and Adjustment**

Disconnect AC power, discharge 2 Power Supply Capacitors C703, C704, C705 and C706 through a 10 $\Omega$ , 5W resistor to ground. **DO NOT SHORT-CIRCUIT DIRECTLY** (with a screwdriver blade, for instance), as this may destroy solid state devices.

After repairs are completed, restore power gradually using a variac, to avoid overcurrent.

For E/EG: Current consumption at AC 230 V, 50Hz in NO SIGNAL mode should be 120 ~ 350 mA.

For EB: Current consumption at AC 230 V – 240 V, 50Hz in NO SIGNAL mode should be 130 ~ 380 mA.

**Protection Circuitry**

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

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

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

If this occurs, follow the procedure outlines below:

1. Turn off the power.
2. Determine the cause of the problem and correct it.
3. Turn on the power once again after one minute.

**Note:**

When the protection circuitry functions, the unit will not operate unless the power is first turned off and then on again.

## Caution for AC Mains Lead



("EB" area code model only)

For your safety, please read the following text carefully.

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

A 5-ampere fuse is fitted in this plug.

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

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

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

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

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

### CAUTION!

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

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

If in any doubt please consult a qualified electrician.

### IMPORTANT

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


Blue: Neutral

Brown: Live.

As these colours may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

The wire which is coloured Blue must be connected to the terminal which is marked with the letter N or coloured Black or Blue.

The wire which is coloured Brown must be connected to the terminal which is marked with the letter L or coloured Brown or Red.

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

**THIS PLUG IS NOT WATERPROOF—KEEP DRY.**

### Before use

Remove the connector cover.

### How to replace the fuse

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

Illustrations may differ from actual AC mains plug.

### 1. Open the fuse cover with a screwdriver.

Figure A

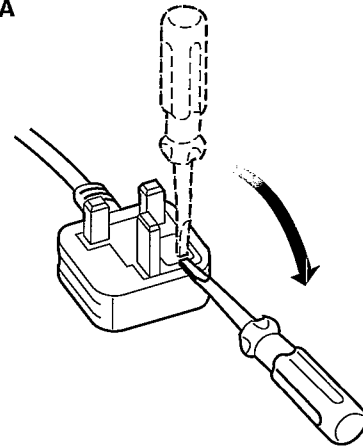
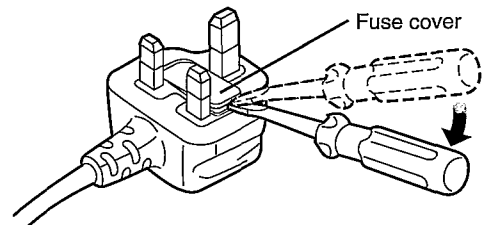


Figure B



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

Figure A

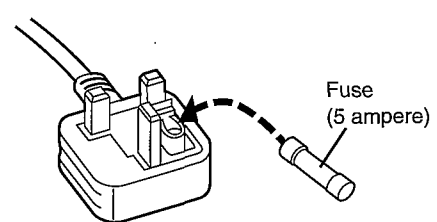
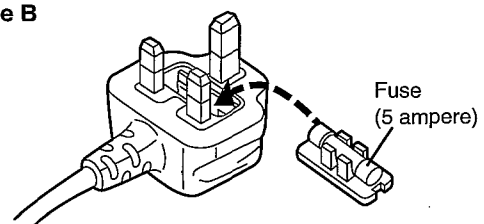
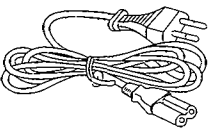
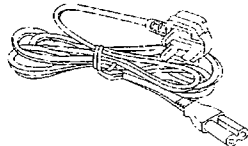
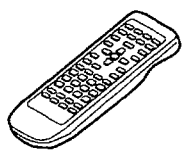
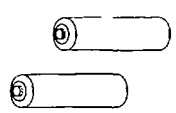
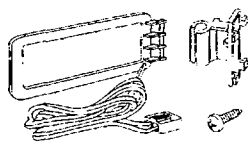
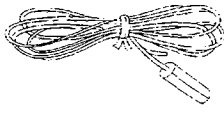



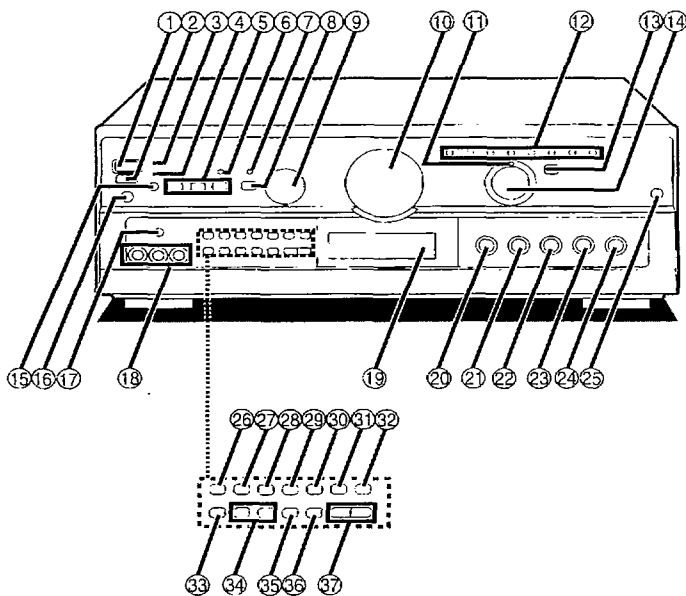
Figure B








## Accessories

 <p>For Others AC power supply cord (RJA0019-2K) ..... 1pc.</p>	 <p>For United Kingdom AC power supply cord (VJA0733) ..... 1pc.</p>	 <p>Remote control (EUR646469) ..... 1pc.</p>	 <p>Batteries ..... 2pc.</p>
	 <p>AM loop antenna set (RSA0010) ..... 1pc.</p>	 <p>FM indoor antenna (RSA0007) ..... 1pc.</p>	 <p>For United Kingdom Antenna adaptor (SJP9009) ..... 1pc.</p>

## Front Panel 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 Remote control signal sensor
- ③ "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.
- ④ Wake timer indicator (WAKE)
- ⑤ Speaker select buttons  
(SPEAKERS A, B, **BI-WIRE**)
- ⑥ Bi-amp indicator (BI-AMP)
- ⑦ Subwoofer adaptive control indicator  
(SUBWOOFER ADAPTIVE CONTROL)
- ⑧ Subwoofer adaptive control ON/OFF button
- ⑨ Subwoofer level control (SUBWOOFER LEVEL)
- ⑩ Volume control (VOLUME)
- ⑪ DVD 6ch input indicator
- ⑫ Input indicators
- ⑬ DVD 6ch input select button (DVD 6CH INPUT)
- ⑭ Input selector (INPUT SELECTOR)
- ⑮ Timer setting button (TIMER)
- ⑯ Headphones jack (PHONES)
- ⑰ TV/VCR 2 input select button (  TV,  VCR 2)
- ⑱ VCR 2 input terminals (VCR 2)
- ⑲ Display
- ⑳ Bass control (BASS)
- ㉑ Treble control (TREBLE)
- ㉒ Balance control (BALANCE)
- ㉓ Bi-amp balance control (BI-AMP BALANCE)
- ㉔ Subwoofer low pass filter control  
(SUBWOOFER LOW PASS FILTER)
- ㉕ Front cover open button (PUSH OPEN)
- ㉖ DOLBY PRO LOGIC OFF/ON button (OFF/ON)
- ㉗ DOLBY PRO LOGIC mode select button  
(  PRO LOGIC)
- ㉘ Delay time adjust button (DELAY TIME)
- ㉙ Center mode select button (CENTER MODE)
- ㉚ Band/FM mode select button  
(-BAND, -FM MODE)

- ⑳ Radio station presetting button (PRESET)
- ㉑ Memory button (MEMORY)
- ㉒ RDS display mode select button  
(**DISPLAY MODE**)
- ㉓ PTY select buttons (**PTY SELECTOR**)
- ㉔ EON ON/OFF button (**EON**)
- ㉕ PTY search button (**PTY SEARCH**)
- ㉖ Tuning buttons (TUNING)

# Connections

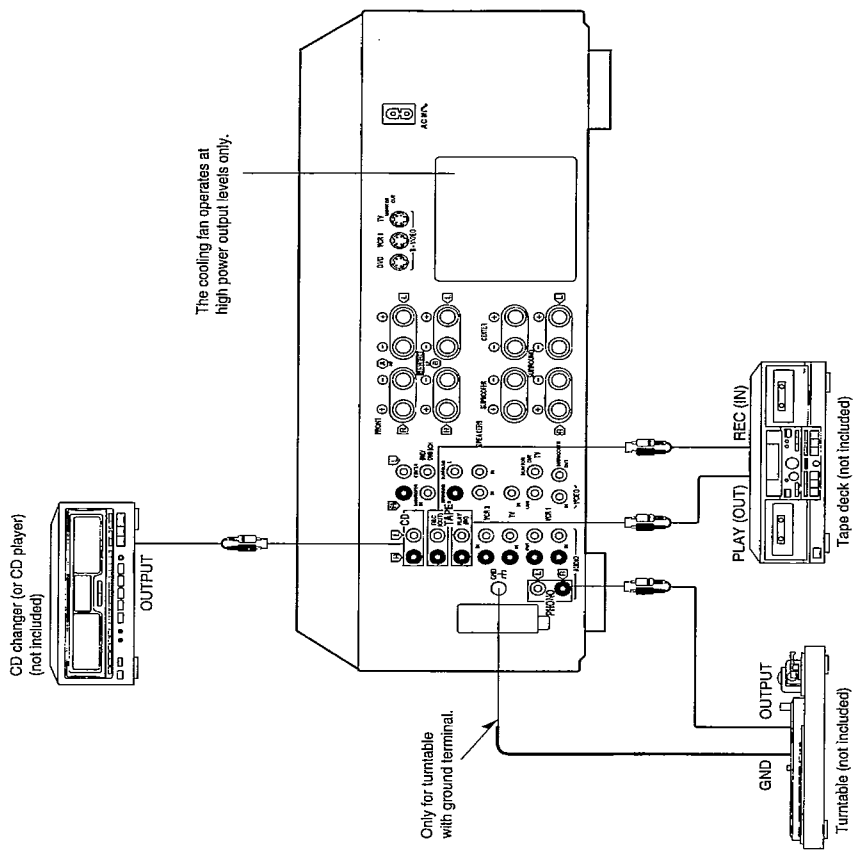
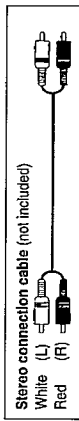
Make sure that the power supply for all components has been turned off before making any connections.

Refer to the operating instructions of the equipment to be connected.

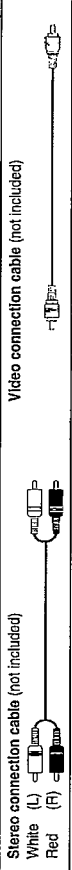
**Note**

Do not place books, etc., on the top of this unit or block the heat radiation vents in any way.

## Connecting audio equipment

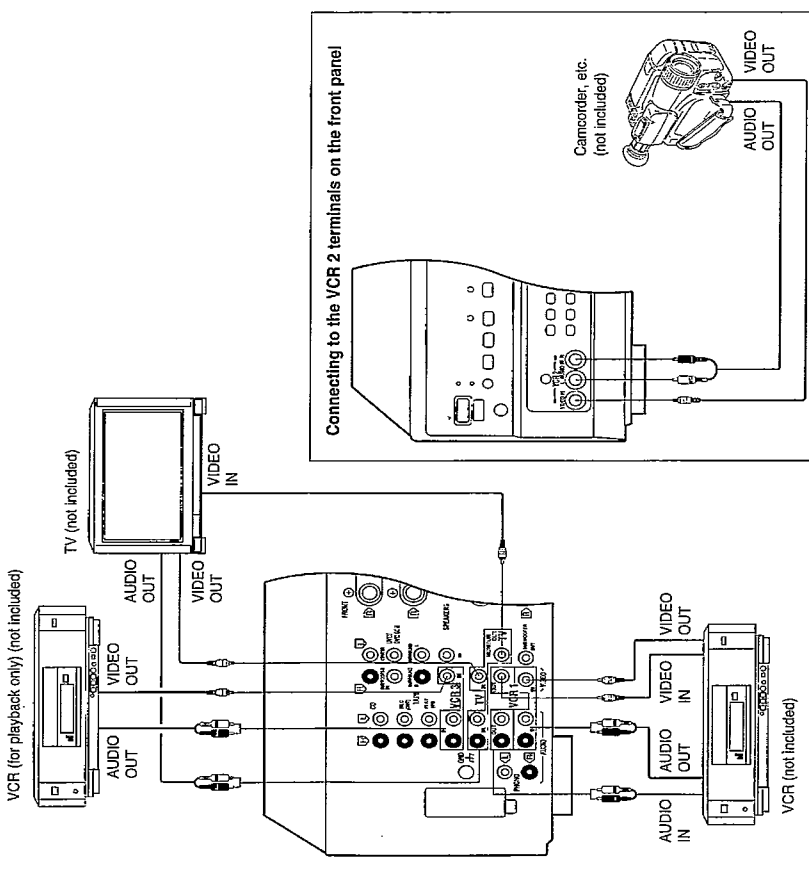


## Connecting video equipment

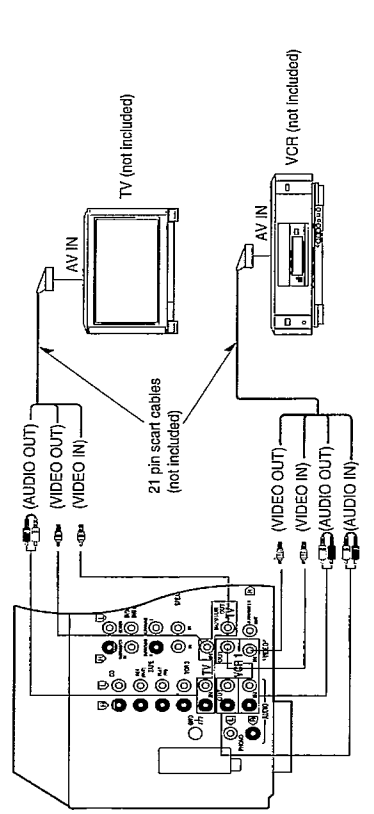


Stereo connection cable (not included)

White (L)     Red (R)



## To connect video equipment with a 21 pin terminal



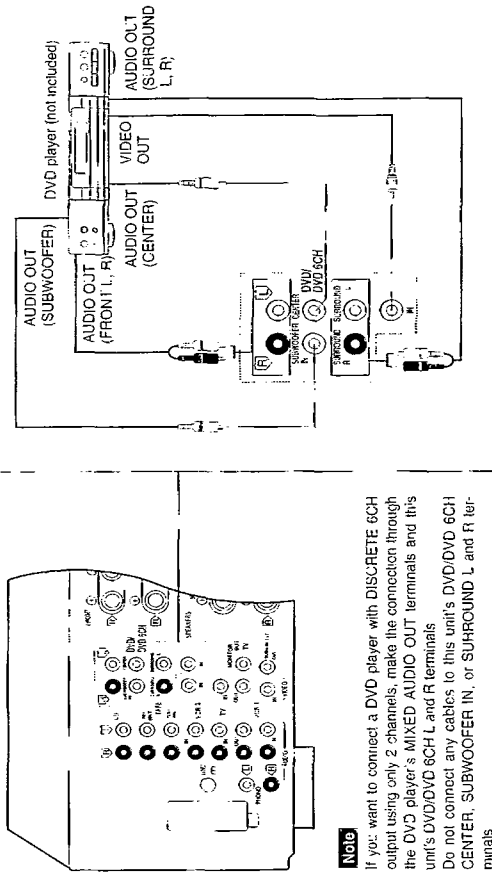
**Connecting a DVD player.**

Stereo connection cable (not included)  
White (L)    Red (R)

Monaural connection cable (not included)

Video connection cable (not included)

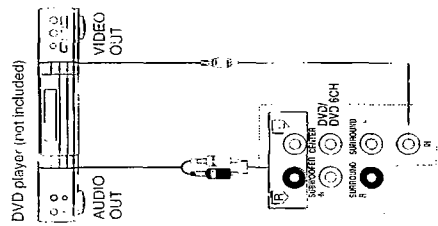
**Connecting a DVD player with 6 channel discrete output**



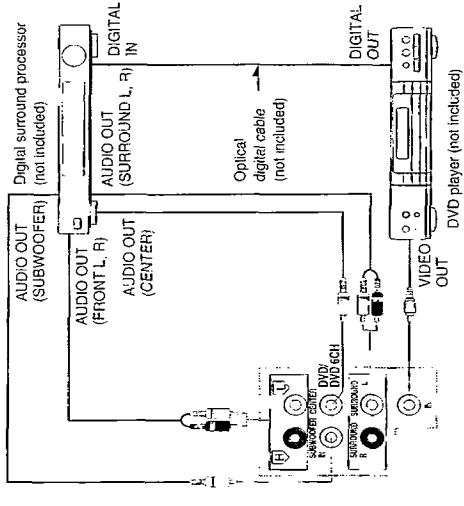
**NOTE**

If you want to connect a DVD player with DISCRETE 6CH output using only 2 channels, make the connection through the DVD player's MIXED AUDIO OUT terminals and this unit's DVD/DVD 6CH L and R terminals. Do not connect any cables to this unit's DVD/DVD 6CH CENTER, SUBWOOFER IN, or SURROUND L and R terminals.

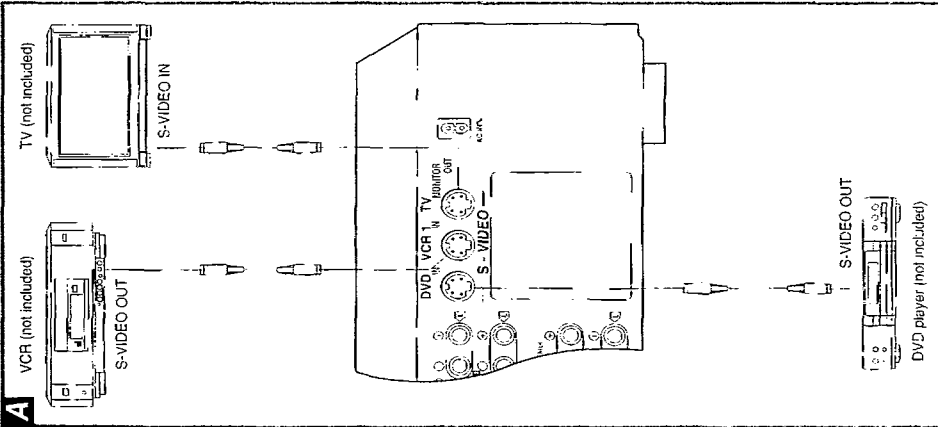
**Connecting a DVD player with 2 channel output**



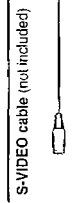
**You can enjoy 6 channel discrete sound by making the below connections.**



**A**



**Connections to/from S-VIDEO terminals**

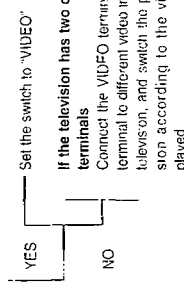


This receiver has an S-VIDEO terminal for a DVD player, VCR (VCR 1 only) and TV

**Caution when using a TV with an S-VIDEO terminal**

On some television models, the video signal from components which do not use S-VIDEO input and are connected only to the VIDEO terminals will not be shown on the television screen. If this occurs, use one of the following methods to view the video signal.

Does the television have a "VIDEO/S-VIDEO" selector switch?



**If the television has two or more video input terminals**  
Connect the VIDEO terminal and the S-VIDEO terminal to different video input terminals on the television, and switch the picture on the television according to the video source being played.

**If the television has only one video input terminal**  
Disconnect the S-VIDEO cable connected to the television's S-VIDEO terminal and connect only the video terminal.

**NOTE**

When using S-VIDEO terminals be aware of the following. Video signals input into the VIDEO terminals cannot be output from S-VIDEO terminals or vice versa.

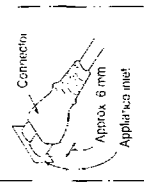
**AC mains lead**

Connect this mains lead after all other cables and cords are connected.

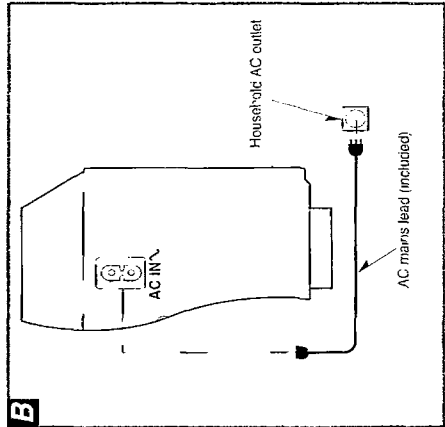
**BE SURE TO READ THE CAUTION FOR THE AC MAINS LEAD ON PAGE 3 BEFORE THE FOLLOWING CONNECTION.**

**Insertion of Connector**

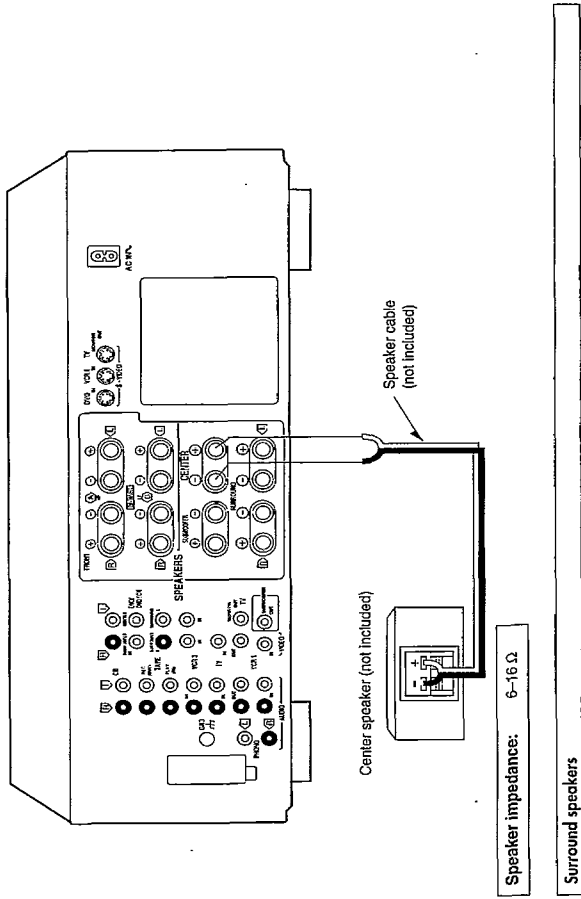
Even when the connector is perfectly inserted, depending on the type of "net used, the front part of the connector may jut out as shown in the drawing. However there is no problem using the unit.



**B**

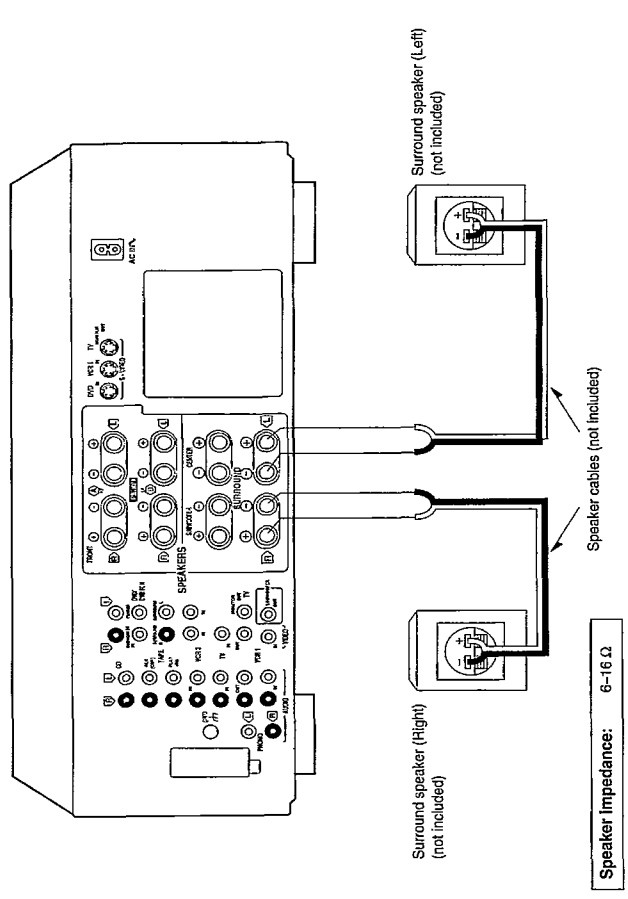


Center speaker



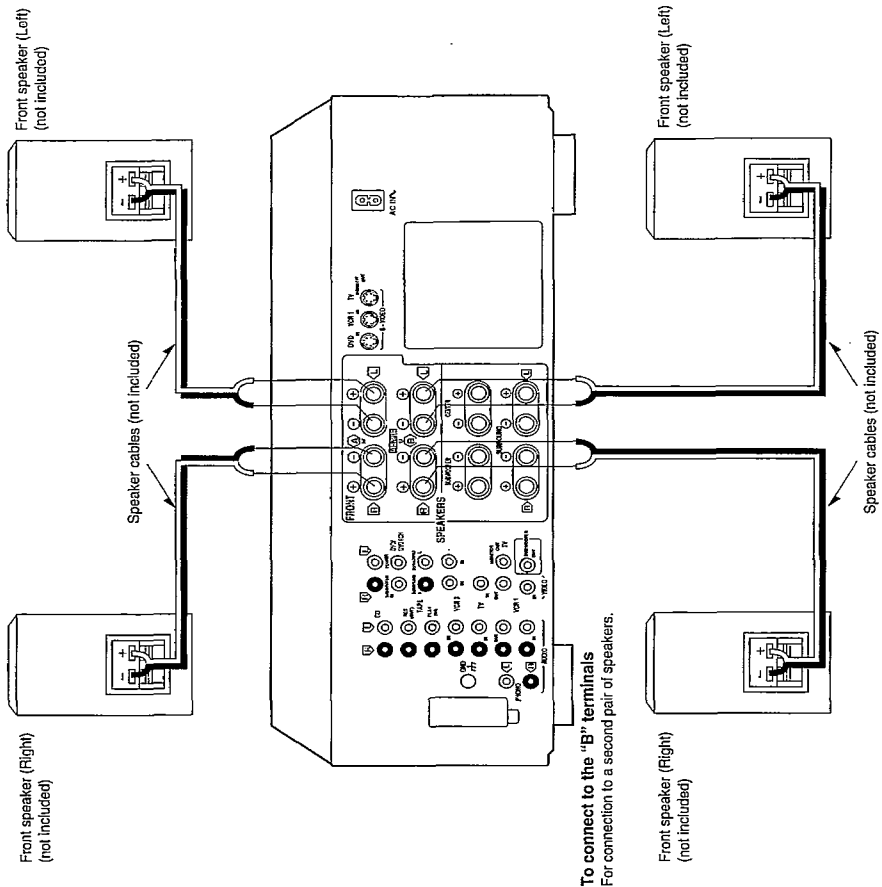
**Note**

1. Both surround speakers must be connected before sound can be heard from them.
2. Do not connect the surround speakers to the front speaker terminals, as they may be damaged.



Speaker connections

To connect to the "A" terminals



Speaker impedance: A or B: 4-16 Ω  
 A and B: 8-16 Ω  
 BI-WIRE: 6-16 Ω

Connecting the speaker cable



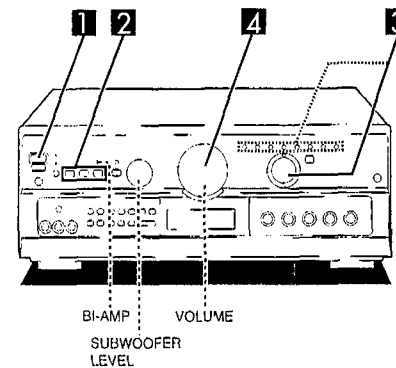
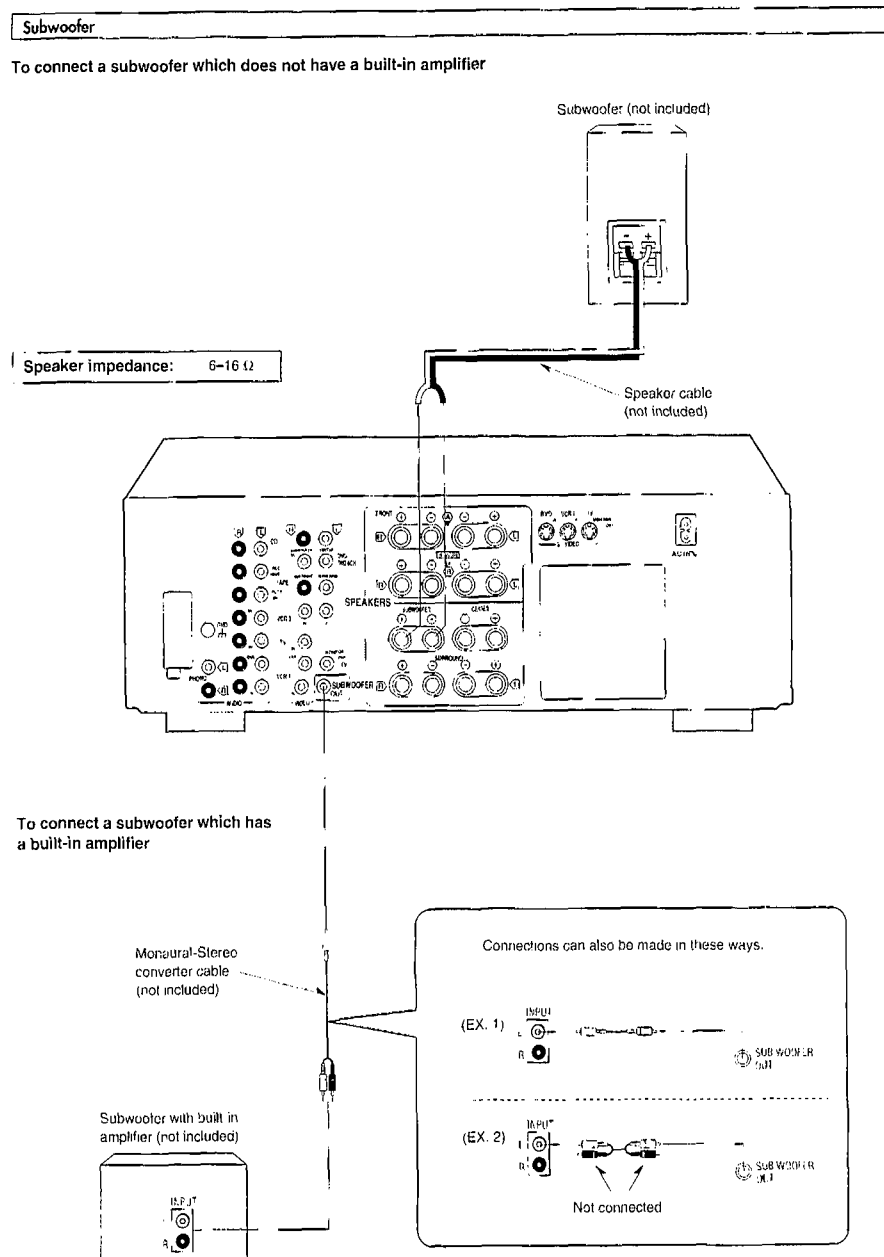
**Note**

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

NO



## Basic Operations



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

- 1 Press **POWER**.
- 2 Press **A** and/or **B**, or **BI-WIRE** to select the speaker system(s) to be used.

A, B and **BI-WIRE** refer to the speaker terminals at the rear of the unit.  
When **BI-WIRE** is selected, the BI-AMP indicator will illuminate.

If the button is pressed once more, the indicator will switch off and no sound will be heard from the speakers.

### Note

**BI-WIRE** and A, or **BI-WIRE** and B cannot both be used at the same time

The BI-AMP indicator goes out if a Dolby Pro Logic mode is turned on or if the DVD 6CH INPUT mode is selected

- 3 Turn **INPUT SELECTOR** to select and start the desired source.

(Refer to the appropriate operating instructions for details.)

The indicator which corresponds to the selected input source will illuminate.

The selected source and "INPUT" will be shown on the display

VCR 1: To watch video tapes (VCR 1)  
TV/VCR 2: To watch TV or video tapes (VCH 2)  
VCR 3: To watch video tapes (VCR 3)  
DVD: To watch DVD  
TAPE: To listen to cassette tapes  
CD: To listen to compact discs  
TUNER: To listen to radio broadcasts  
PHONO: To listen to phono discs

### If a Dolby Pro Logic mode has been selected

After displaying the selected source, the display will then change to show the Dolby Pro Logic mode and "INPUT" will go out.

If the source chosen was TUNER then the display will change again to show the frequency.

### Note

To watch a video (or DVD) or the TV, set the TV to either the TV mode or VIDEO mode

### For your reference

If you are using VCR and you select TAPE, CD, TUNER, or PHONO, the picture will remain on the screen

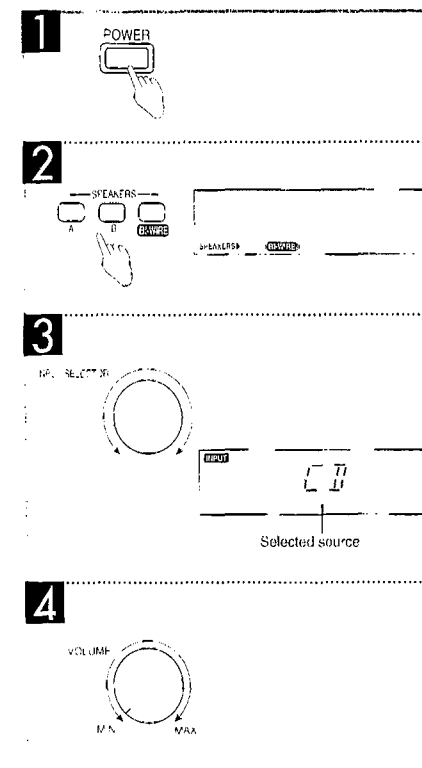
- 4 Adjust the volume level.

If using a subwoofer, adjust its volume with SUBWOOFER LEVEL

If the subwoofer isn't being used, be sure to set SUBWOOFER LEVEL to MIN.

### After listening is finished

Be sure to reduce the volume level, and switch the power to the standby condition by pressing **POWER**.





**When using speakers under 6 Ω **A****  
**Press and hold A or B until LOW IMP lights up on the display.**

If even one of the speakers being used has an impedance under 6 Ω, press and hold down either button A or button B for 4 seconds or more to set the impedance on the main unit to LOW.

(Press and hold down once again for 4 seconds or more to turn it off.)

Note that when the "LOW IMP" is illuminated, speakers A and B cannot both be used at the same time.

**To change a speaker:**  
 e.g. To use speaker B, press A (**A** goes out), and then press B to active speaker B.

**To turn off the blue light **B****

Turning off the blue light sometimes improves video viewing in dark or dimly lit rooms.

**Press and hold CENTER MODE for 4 seconds.**

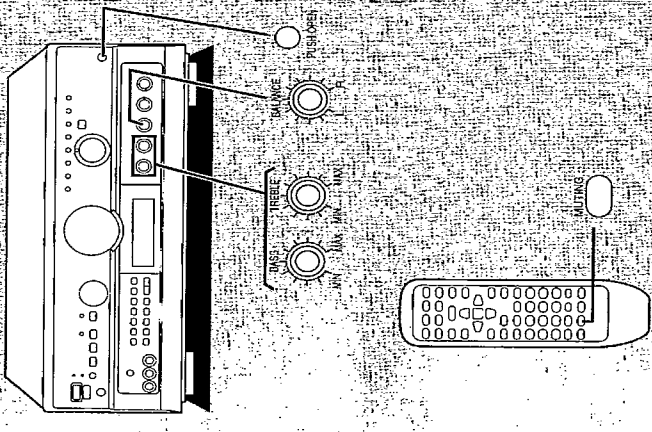
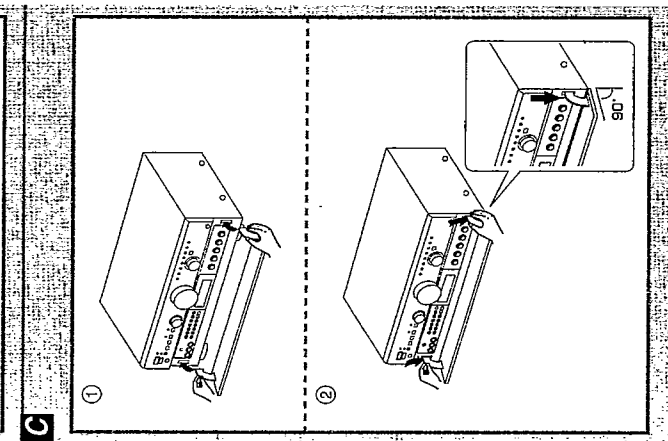
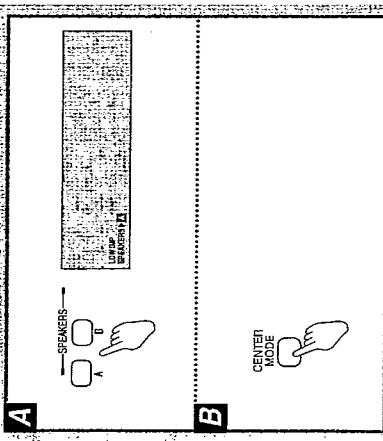
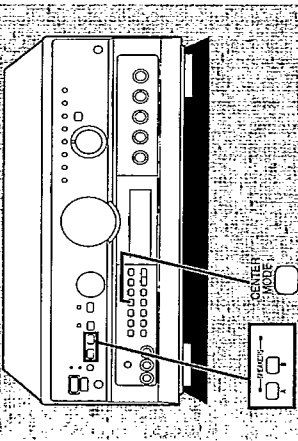
Press and hold it once again to turn the light back on.

**NOTE**

This light comes on when the power is turned on.

**If the front cover comes off **C****

- ① Insert the cover as shown in the illustration.
- ② Ensure the cover is parallel to the unit, then press firmly down on the levers until they click into place.
- ③ Check that the cover now moves correctly. If it does not, remove it and repeat the above procedure.



**To open the front cover **A****  
**Press PUSH OPEN.**

**To adjust the tone quality **B****  
**Turn BASS to adjust the low frequency sound.**  
**Turn TREBLE to adjust the high frequency sound.**

**To adjust the sound balance **C****  
**Turn BALANCE to adjust the left/right sound balance.**

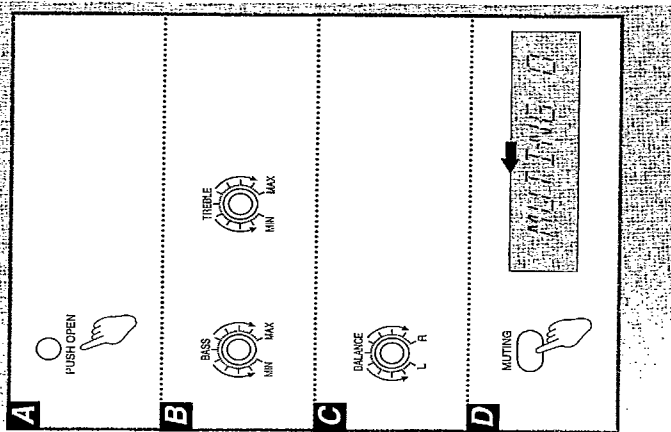
**To mute the sound level **D****  
**by remote control only**

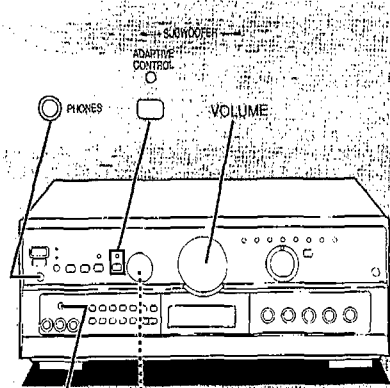
**Press MUTING.**

The message "MUTING ON NOW" runs repeatedly from right to left across the display as long as the muting function is on. Press once again to return to the previous volume level.

**Note**

When the receiver is turned off, the muting operation will be automatically cancelled.





**A**

1. Turn the VOLUME knob clockwise to the MAX position.

2. Plug the PHONES (Headphones, not included) into the PHONES jack.

**B**

Press the SUBWOOFER ADAPTIVE CONTROL button. The display shows "ON".

**C**

Press the TV/VCR 2 button. The display shows "TV".

Press the TV/VCR 2 button again. The display shows "FRONT WARE".

**To listen through headphones** A

- ① Reduce the volume level.
- ② Connect the headphones.  
Plug type: 6.3 mm stereo
- ③ Adjust the volume level.

If you do not want sound from the speakers, press the SPEAKERS button(s) and check the speaker indicator(s) goes out.  
If a subwoofer is connected to your system, silence it by turning the SUBWOOFER LEVEL control on the receiver to MIN.

**Note**

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

**To compensate when the volume is low** B

This button balances low volume sounds by boosting bass sound pressure of the front speakers and subwoofer.

This function allows you to enjoy balanced sounds even if the volume is low.

**Press SUBWOOFER ADAPTIVE CONTROL.**

The message "ON" will appear on the display for 2 seconds. SUBWOOFER ADAPTIVE CONTROL indicator will light up.

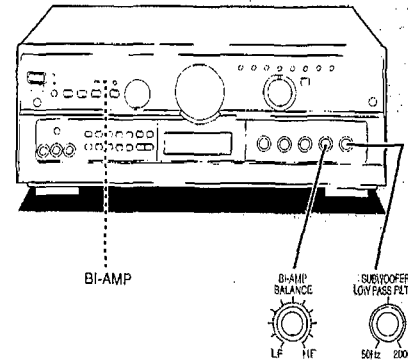
To return to the previous condition, press once again. The message "OFF" will appear on the display for 2 seconds, then the indicator turns off.

**When using the VCR 2 terminals (front side)** C

This button can be used only when TV/VCR 2 is selected as the input source.

The TV/VCR 2 input select button works for both TV input and input from the source connected to the front side "VCR 2" terminals. (See page 8.)

Set " **TV** " or " **VCR 2** " position.



**A**

**B**

**To adjust the high and low balance of the front speakers** A

Only when BI-AMP is ON

**Turn BI-AMP BALANCE to adjust the LF/HF balance.**

This adjusts the high and low frequency output of bi-wired front speakers.  
The setting depends on the speakers being used.  
Adjust the balance to suit your room's acoustics and the features of the speakers.

**When BI-AMP is ON**

"BI-AMP" will illuminate.

BI AMP makes use of the special characteristics of bi-wiring to reproduce high quality stereo sound.

**Note**

BI AMP will turn off and the indicator will go out in the following cases:

- If any of the Dolby Pro Logic modes are turned on.
- If DVD 6CH INPUT is selected.

**To adjust the output range of the subwoofer** B

Only when a subwoofer is connected

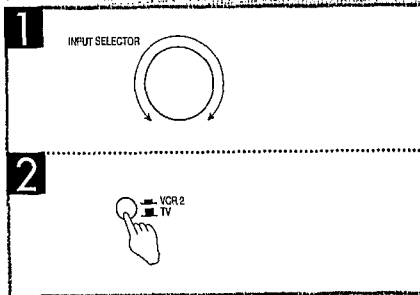
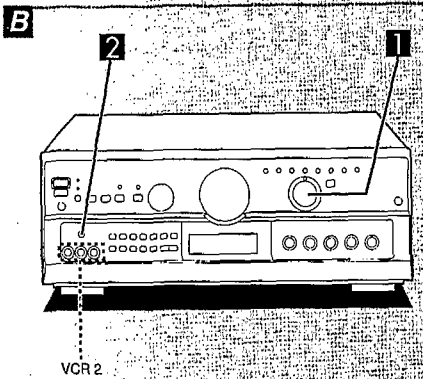
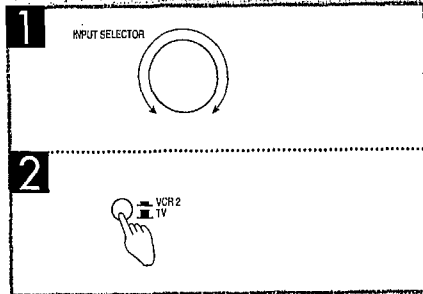
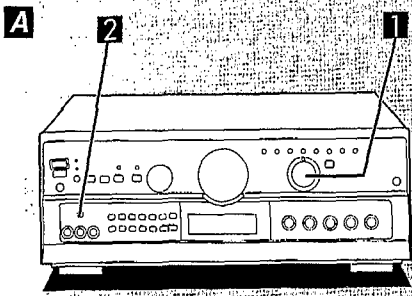
**Turn SUBWOOFER LOW PASS FILTER to select a suitable frequency.**

The setting depends on the room's acoustics, the peculiarities of the subwoofer, and the interaction of the subwoofer and the front speakers.

**Note**

Adjustments can not be made when DVD 6CH INPUT has been selected.

## Making a recording



### Note

When you select DVD 6CH INPUT mode, only sound from the front left and right speakers is recorded.

### To record all 6 channels

Set the playback mode on your DVD player or decoder to 2 channel (stereo) mode.

For details, see the instruction manual that came with the connected equipment.

### Recording on a tape deck

Before recording, prepare the tape deck for recording (recording level adjustment, etc.). See the tape deck's operating instructions for details.

- 1 Turn INPUT SELECTOR to select the source to be recorded.  
Any source can be selected except TAPE.

- 2 (only if you select TV/VCR 2 in the above step)  
Set "TV" or "VCR 2" position.

- 3 Begin recording on the tape deck.  
Follow your tape deck's operating instructions.

- 4 Begin the source to be recorded.  
Follow your equipment's operating instructions.

### Recording on a VCR

You can record only on VCR 1.  
Before recording, prepare the VCR 1 (VCR) for recording (recording level adjustment, input selector setting, etc.). See the VCR's operating instructions for details.

- 1 Turn INPUT SELECTOR to select the source to be recorded.  
Any source can be selected except VCR 1 (VCR) and TAPE.

### Note

Recording from the tape deck is not possible.

- 2 (only if you select TV/VCR 2 in the above step)  
Set "TV" or "VCR 2" position.

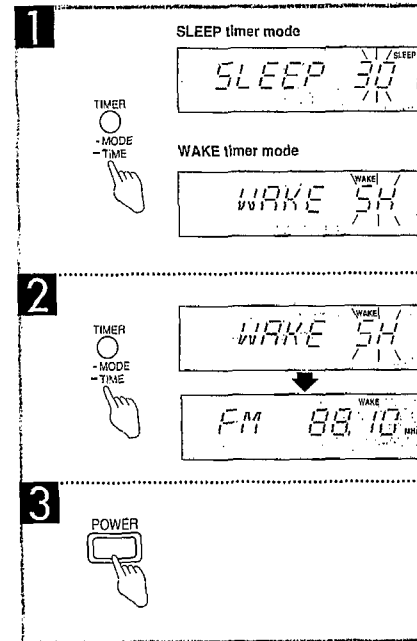
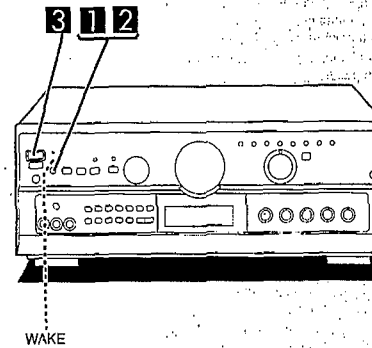
- 3 Begin recording on the VCR.  
Follow your VCR's operating instructions.

- 4 Begin the source to be recorded.  
Follow your equipment's operating instructions.

### For your reference

There are VCR 2 terminals at the front of this unit. It is easier to carry out dubbing from a camcorder if it is connected to the front terminals.

## Timer function



There are two timer functions: the sleep timer and the wake timer.

- **Sleep timer:**  
The unit turns off after a set time. It can be set for 30, 60, or 90 minutes.
- **Wake timer:**  
The unit can be set to turn on a certain number of hours after it is turned off. It can be set for 5, 7, or 9 hours.

### Setting the timers

- 1 (while listening to the radio)  
Press **TIMER** to select the desired timer mode.  
The timer mode changes as follows:  
SLEEP → WAKE → OFF
- 2 (within 5 seconds)  
Press **TIMER** and release when the time you require is displayed.  
The display changes as follows:  
• In sleep timer mode  
30 → 60 → 90 (minutes)  
• In wake timer mode  
5H → 7H → 9H (hours)  
The frequency is displayed again 5 seconds after the setting is completed.
- 3 **Wake timer mode only**  
Press **POWER** to turn off the power.  
The WAKE indicator lights up.

Checking the remaining time on the sleep timer and the time set for the wake timer  
Press **TIMER** once.

### Note

Do not press **TIMER** again before the remaining time indication goes out.  
The setting may change if you do this.

**Changing a setting**  
Repeat steps 1 and 2.

**To cancel the timer**  
Press **TIMER** until "OFF" is displayed.  
"SLEEP" or "WAKE" will go out.

### Note

- The timers cannot be used together.
- The sleep timer turns off the receiver, and the wake timer turns on the receiver, but they do not turn off/on any externally connected components.

## ■ Operation Checks

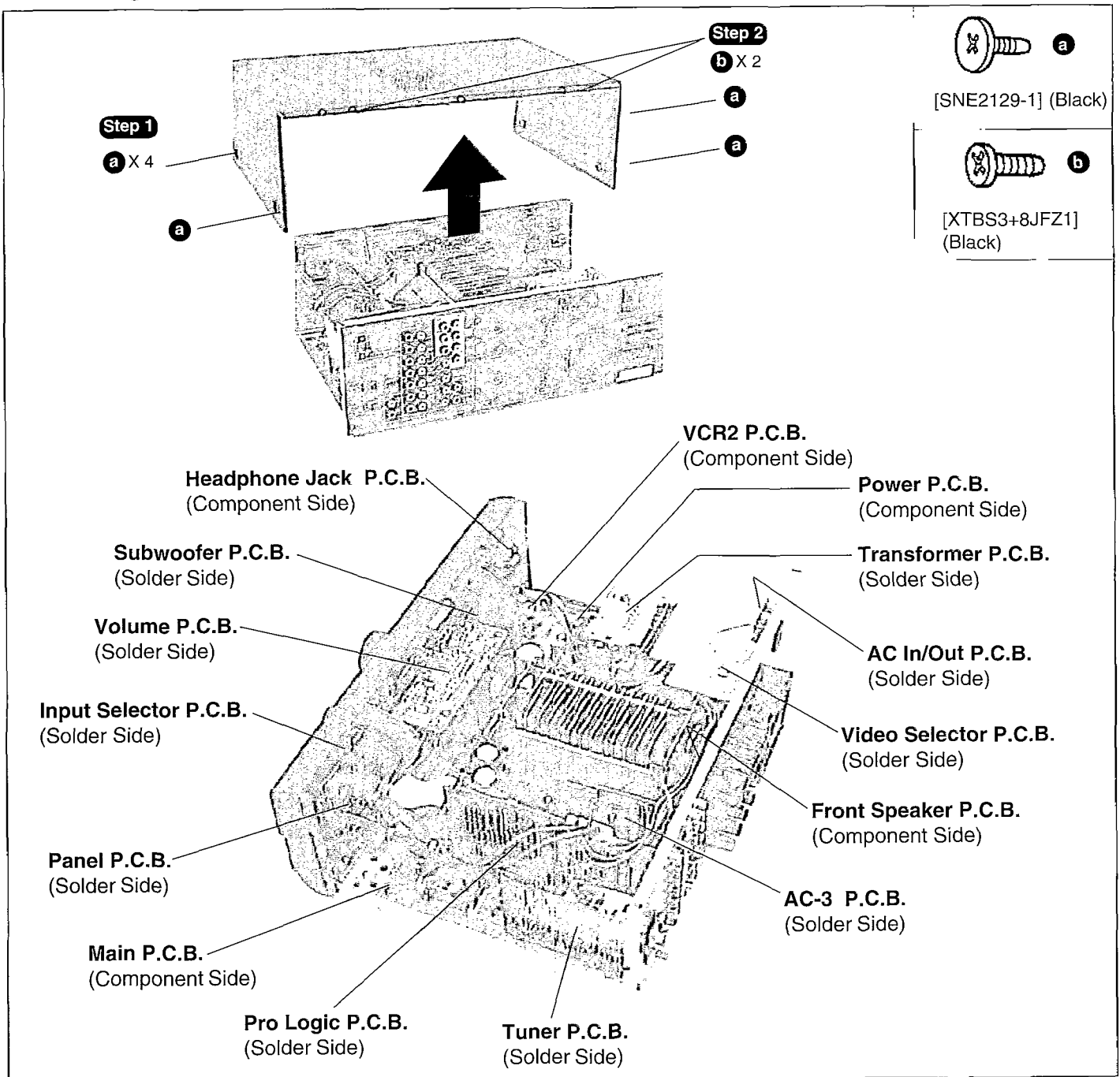
"ATTENTION SERVICER" Some chassis components may have sharp edges. Be careful when disassembling and servicing.

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.

### • Contents

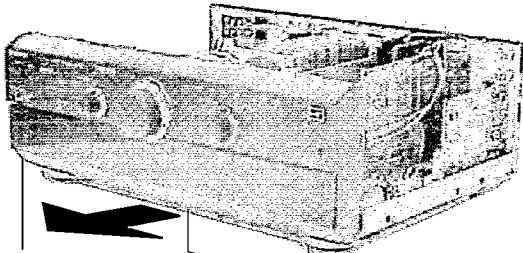
	page
• Checking Procedure For Each Major P.C.B. ....	12 ~ 14
• Main Component Replacement Procedures .....	14 ~ 15

## ■ Checking Procedure For Each Major P.C.B.



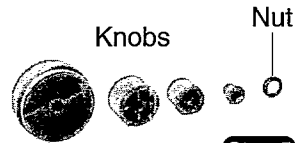
**To remove Front Panel**

**Step 1**  
Remove the top cabinet.

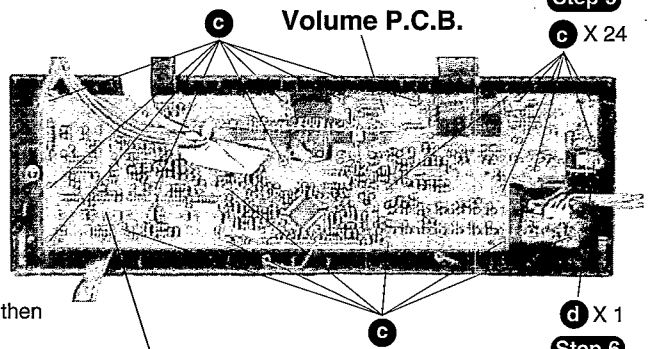


**Step 2**  
b X 3

**Step 4**  
Remove all Knobs and Nuts from Front Panel.



**Step 5**  
c X 24

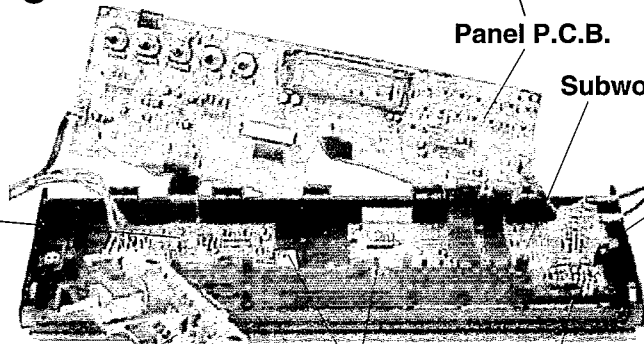


**Step 6**

**Step 3**  
Remove the Front Panel in the direction of arrow.

**Step 7**  
Pull out the Volume P.C.B. then remove the Panel P.C.B.

Input Selector P.C.B.



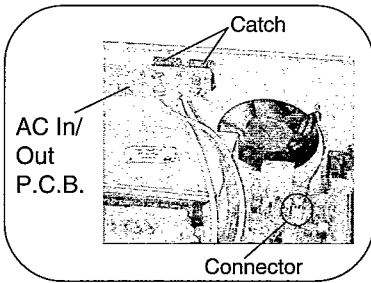
**Step 8**  
Remove Subwoofer P.C.B. and Input Selector P.C.B. to check on Blue LED P.C.B. (Right/Left).

Volume P.C.B. Blue LED P.C.B. (Inside) VCR2 P.C.B.

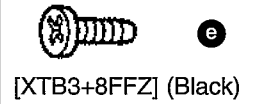


**To remove Rear Panel**

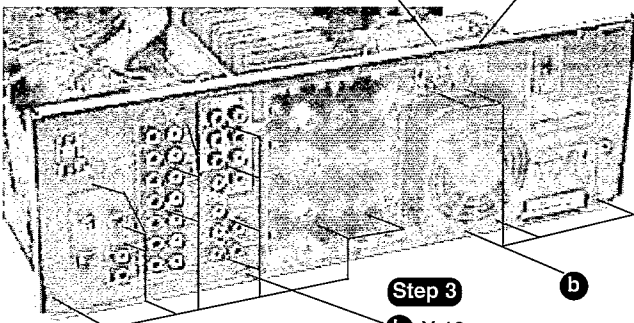
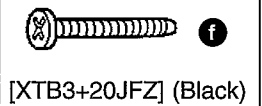
**Step 4**  
Release the AC In/Out P.C.B. catches and the fan motor connector, then pull out the rear panel in the direction of arrow.



**Step 1**  
Remove the top cabinet.



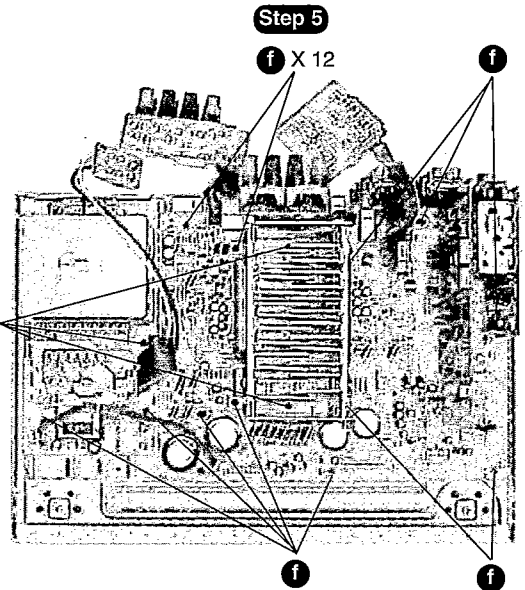
**Step 2**  
Remove the front panel.

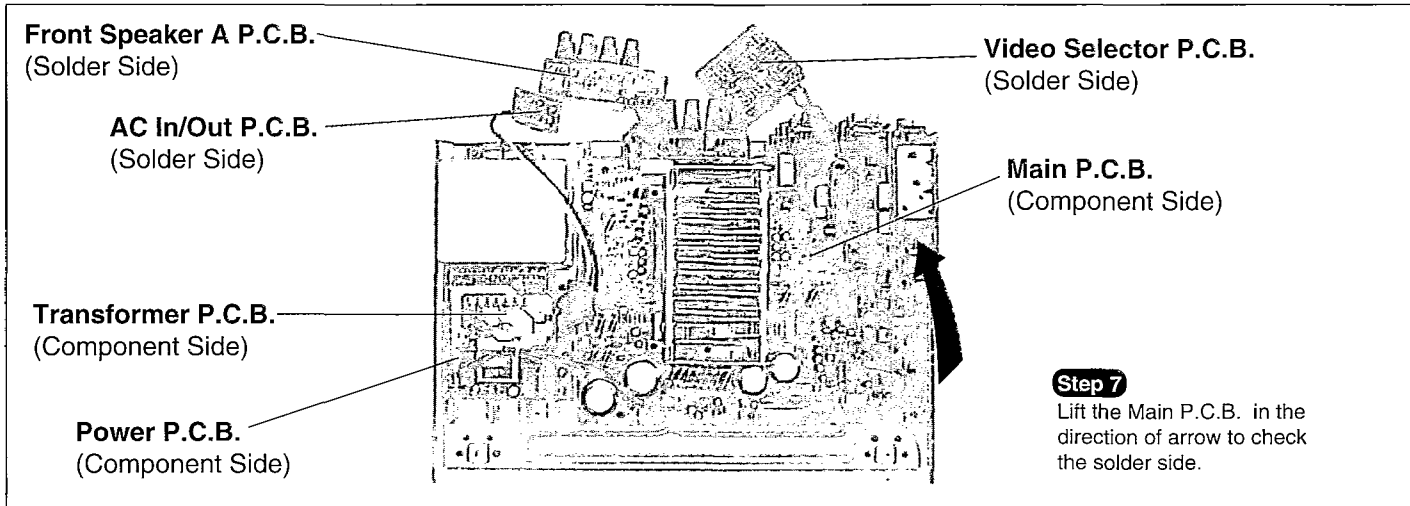


**Step 3**  
b X 19

**Step 6**  
e X 4

**Step 5**  
f X 12





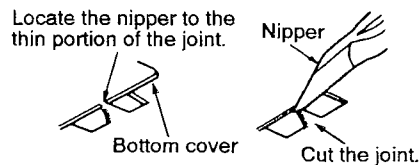
**Main Component Replacement Procedures**

**1. Replacement of the Power IC and Regulator Transistor**

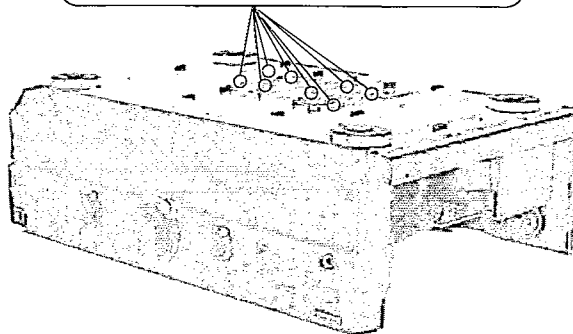
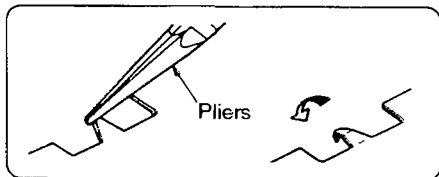
**Step 1**

Remove the top cabinet.

**Step 2** Cut the joints as shown below. (8 joints)

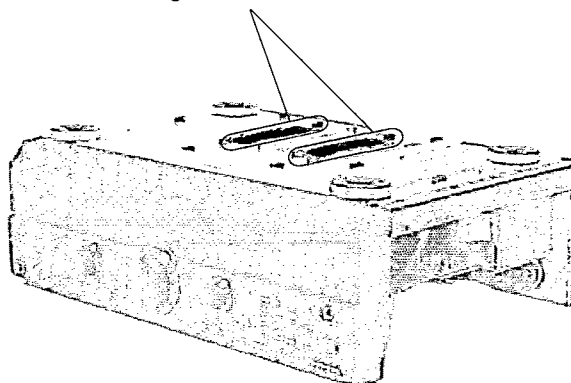


**Step 3** Fold the joints. (8 joints)



**Step 4**

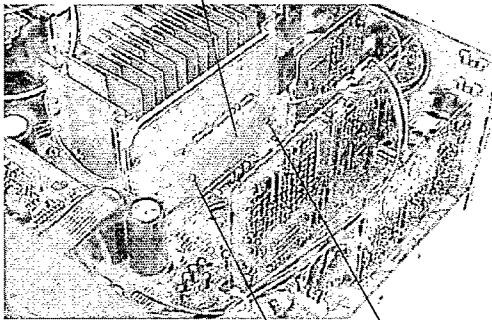
Desolder the terminals of Power IC and Regulator Transistor.



**Step 5**

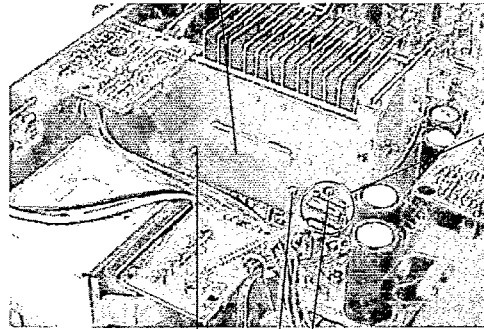
Remove all screws (b) for the Tuner, AC-3 and Pro Logic P.C.B.'s at the Rear Panel and pull out these P.C.B.'s from the Main P.C.B.

Power IC (IC651)  
[RSN310R36-P]



**Step 6** g X 2 g

Power IC (IC601)  
[RSN310R36-P]



Regulator transistor  
(Q701, Q708)  
[2SD2374PQAU,  
2SB1548PQAU]

**Step 7**

g X 3



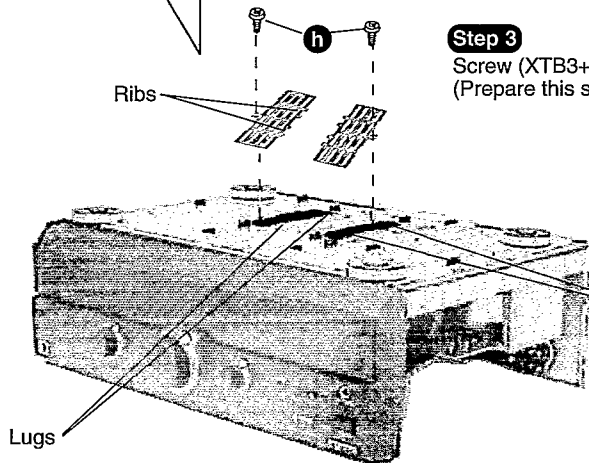
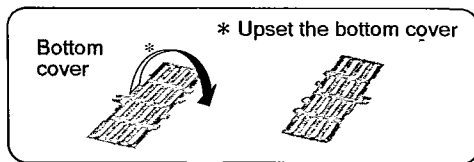
• The PROTO Offset Screwdriver No. 34-1/4 is recommended for use in the application above.



[XTW3+15T]

**Installation of the bottom cover after replacement**

**Step 1**



**Step 3**

Screw (XTB3+8J)  
(Prepare this screw to fix the bottom cover.)

**Step 2**

Align the ribs of bottom cover into the lugs.

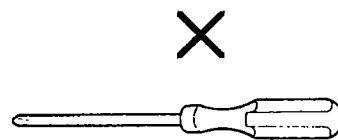


[XTB3+8J] (Black)

**CAUTION**

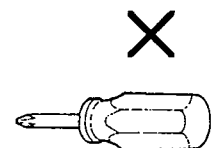
1. After replacing the power IC or regulator transistor, apply a sufficient quantity of compound grease (RFKX0002/SZZ0L15) between the heat sink and the power IC or regulator transistor (Radiation of power IC).
2. Tighten enough the screws (g) after replacing the power IC and regulator transistor. Otherwise, the heat radiation works little.
3. When installing or removing the power IC or transistor holder, be sure to use an offset screwdriver.

- A long straight screwdriver cannot be used for removing or mounting the screws since its long grip interferes with the neighbouring P.C.B. (See Fig.1)
- A short straight screwdriver may be used for removal, but cannot be used for mounting because the limited space in the unit will not allow sufficient tightening torque.(See Fig.2)



A long straight screwdriver

**Fig.1**



A short straight screwdriver

**Fig.2**

- Insufficient tightening will cause poor heat dissipation from the power IC and regulator transistor and, in the worst case, may lead to their thermal breakdown.

## ■ Terminal Functions Of ICs

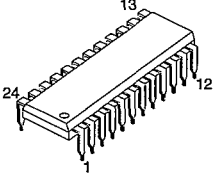
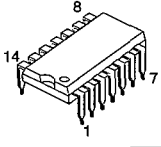
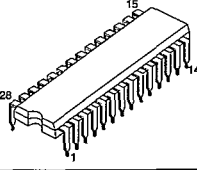
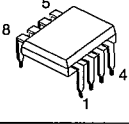
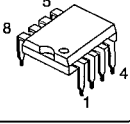
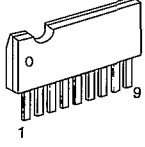
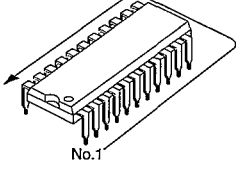
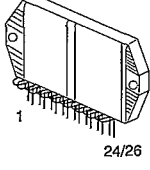
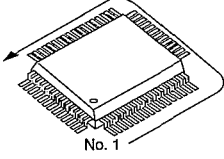
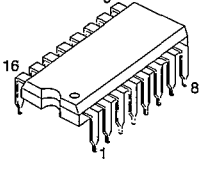
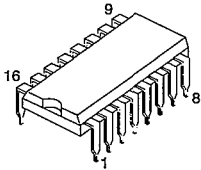
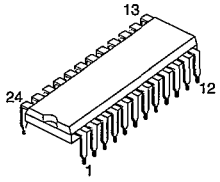
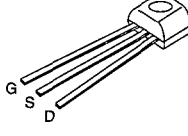
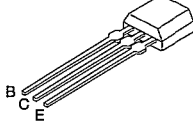
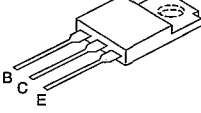
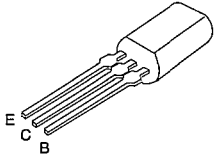
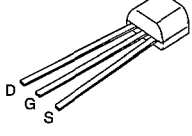
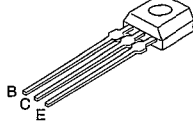
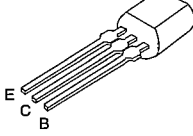
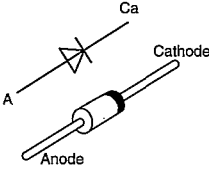
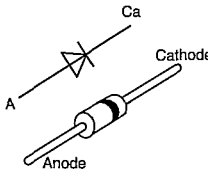
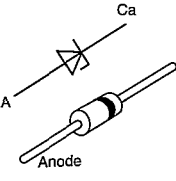
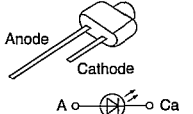
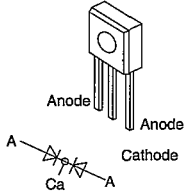
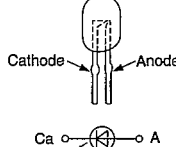
### • IC901 (M38B57M6101F) System Microprocessor

Pin No.	Mark	I/O	Function
1~2	KEY2-KEY1	I	Key Input 1 ~ 2
3	THERM/OVLD1	I	Thermal/Over load input 1
4	KEY4	I	Key Input 4
5	THERM/OVLD2	I	Thermal/Over load input 2
6	FM_ST	I	Stereo signal detect terminal
7	WAKE_LED	O	Wake up timer LED
8	RDS_ST	I	Control of RDS IC (ST) stereo signal
9	REMOTE	I	Remote control terminal
10	RESET	-	Reset detect terminal
11	RDS_CK	I	Control of RDS IC (CK) clock signal
12	RDS_DT	I	Control of RDS IC (DT) data signal
13	GND	-	GND terminal
14	OCS	-	Crystal oscillator terminal ( 4 MHz )
15	OCS	-	Crystal oscillator terminal ( 4 MHz )
16	VDD (+5V)	-	Power supply terminal +5V
17	LED_IC_CK	O	LED driver IC (CK) clock signal
18	LED_IC_DT	O	LED driver IC (DT) data signal
19	SFC/PTY_ENCD1	I	SFC mode encoder input 1
20	SFC/PTY_ENCD2	I	SFC mode encoder input 2
21	SEL_ENCD1	I	Selector encoder for input 1
22	HOLD	I	Blackout detection terminal
23	SEL_ENCD2	I	Selector encoder for input 2
24	FRT_VCR2	I	VCR2 control input
25	RELAY	-	Relay control output
26	ABS	O	ABS control output
27	6ch_SW_ST	O	6 ch sw control output (ST)
28	Vee (-22V)	-	Power supply for FL driver
29	S/C_SP	O	Surround/Center speaker control output

Pin No.	Mark	I/O	Function
30	SP_B	O	Speaker B control output
31	SP_A	O	Speaker A control output
32	AF_MUTE	O	Muting control output
33~48	SEG16-SEG1	O	FL segment signal output
49~58	DEG1-DEG10	O	FL digit signal output
59	INIT_IN	I	Diode input initial settings
60	VOL_DOWN	O	Volume control output (Down)
61	VOL_UP	O	Volume control output (Up)
62	REC_MUTE	O	REC Mute control
63	IF_DATA	I	Serial data signal
64	LIMITTER	O	Power limiter control output
65	TNR_CE	O	Tuner control (CE) chip enable signal
66	SEL/TNR_CK	O	Selector/Tuner (CK) clock signal
67	SEL/TNR_DT	O	Selector/Tuner (DT) data signal
68	SEL_ST	O	Selector control terminal
69	MMD_CTRL	O	MMD control terminal
70	SURR_CK	O	Surround control (CK) clock signal
71	SURR_DT	O	Surround control (DT) data signal
72	SURR_CE	O	Surround control (CE) chip enable signal
73	AVSS	-	GND for A-D converter
74	VREF	-	Reference voltage for A-D converter
75	SD	I	SD signal detect input
76	SUR_ENCD1	I	Encoder of surround mode selector input1
77	HELP_LED	O	Help LED control output
78	SUR_ENCD2	I	Encoder of surround mode selector input2
79	VIDEO_A	O	Video selector control output A
80	VIDEO_B	O	Video selector control output B



# Terminal Guide of ICs, Transistors and Diodes



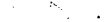

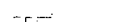


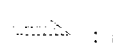

<p>LA1832A LC7218 LV1016L</p> 	<p>NJM2279D NJM2060D NJM2296D</p> 	<p>TC9163AN TC9162AN</p> 	<p>NJM4580DD</p> 	<p>AN6558F UPC4570C</p> 
<p>BA6218</p> 	<p>LA2786L (42Pin)</p> 	<p>RSN310R36-P</p> 	<p>M38B57M6101F (80 Pin)</p> 	<p>TC9214P</p> 
<p>BU2090</p> 	<p>LC7272ON</p> 	<p>2SK544F-AC</p> 	<p>2SS933SSTA 2SA933SQRSTA</p> 	<p>2SC1740SQSTA RVTDTA114EST RVTDTA143XST RVTDTTC114YST RVTDTTC143XST</p>
<p>2SB1548PQAU 2SD2374PQAU</p> 	<p>2SC3940AQSTA 2SA1534AQRSTA</p> 	<p>2SK381CTA 2SJ40CTA</p> 	<p>2SC2785FETA 2SC2786MTA</p> 	<p>2SC2787FL1TA 2SC2787LTA 2SD1915FTA 2SC3311ARTA</p>
<p>2SB621AQSTA</p> 	<p>1N5402BM21 RK306LFU1</p> 	<p>RVD1SS133TA 1SR35200TB MA700ATA 1SS291TA MA167ATA MA165TA</p> 	<p>MTZJ10CTA MTZJ15CTA</p> 	<p>MTZJ30DTA MTZJ3R0BTA MTZJ3R9BTA MTZJ4R7BTA MTZJ5R1BTA MTZJ5R6BTA MTZJ6R2BTA MTZJ6R8BTA MTZJ7R5CTA MTZJ8R2CTA</p>
<p>SLR325MCT31 SLR325VCT31</p> 	<p>SVC211SPA-AL</p> 	<p>LNG995PFBOA1</p> 		

## ■ Schematic Diagram

(All schematic diagrams may be modified at any time with the development of new technology)

<b>Note :</b>	• S301	:	TV/DSS and VCR2 mode switch	• S982	:	Loud switch
	• S946	:	Power switch	• S983	:	Off/On switch
	• S951	:	Band select switch	• S984	:	DPL mode switch
	• S952	:	Tuning decrease switch	• S985	:	Center mode select switch
	• S953	:	Tuning increase switch	• S986	:	Delay switch
	• S955	:	Memory switch	• S988	:	Bi-wire switch
	• S956	:	Preset switch			
	• S958	:	Timer (Help) switch	• VR501	:	Motor volume control
	• S970	:	Search switch	• VR502	:	Balance control
	• S971	:	EON switch	• VR503	:	Subwoofer control
	• S972	:	PTY + switch	• VR511	:	Bass control
	• S973	:	PTY – switch	• VR512	:	Treble control
	• S974	:	DISP. MODE switch	• VR513	:	Bi-amp balance control
	• S976	:	6CH switch	• VR514	:	Subwoofer low-pass control
	• S980	:	Speakers A switch	• VR901	:	Balance control
	• S981	:	Speakers B switch			

### • Signal line

	: +B line		: AM signal line		: FM signal line
	: - B line		: AM OSC signal line		: FM OSC signal line
	: FM/AM signal line		: Main signal line		: REC signal line

- The voltage value and waveforms are the reference voltage of this unit measured by DC electronic voltmeter (high impedance) and oscilloscope on the basis of chassis. Accordingly, there may arise some error in voltage values and waveforms depending upon the internal impedance of the tester or the measuring unit.

No mark : Playback      < > : FM      ( ) : AM

### • Importance safety notice:

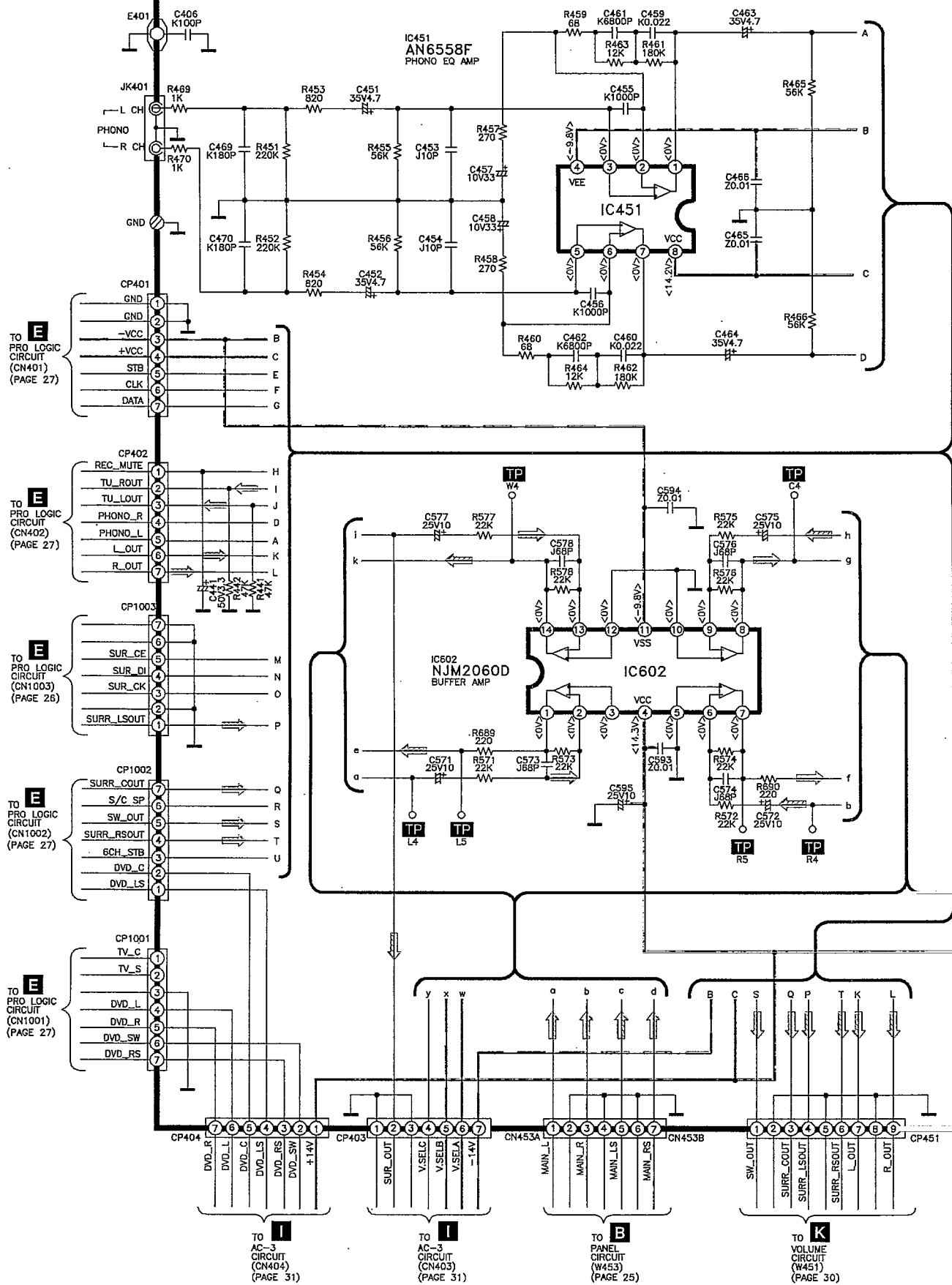
Components identified by ! mark have special characteristics important for safety. Furthermore, special parts which have purposes of fire-retardant (resistors), high-quality sound (capacitors), low-noise (resistors), etc. are used. When replacing any of components, be sure to use only manufacturer's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

### Caution !

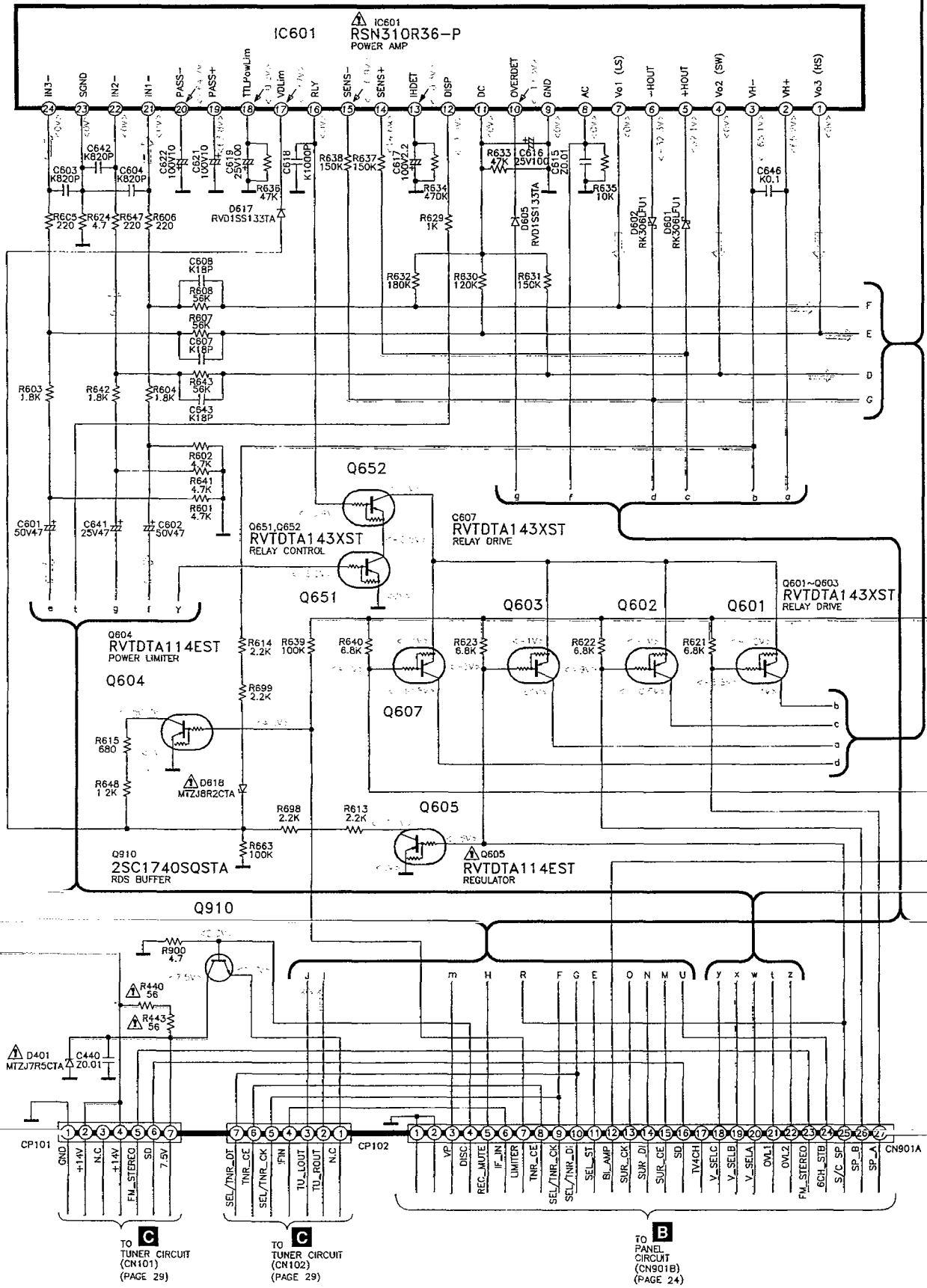
- IC, LSI and VLSI are sensitive to static electricity.  
Secondary trouble can be prevented by taking care during repair.
- Cover the parts boxes made of plastics with aluminium foil.
  - Ground the soldering iron.
  - Do not touch the pins of IC, LSI or VLSI with fingers directly.
  - Put a conductive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

**A** MAIN CIRCUIT  
( P.C.Board on page 32 )

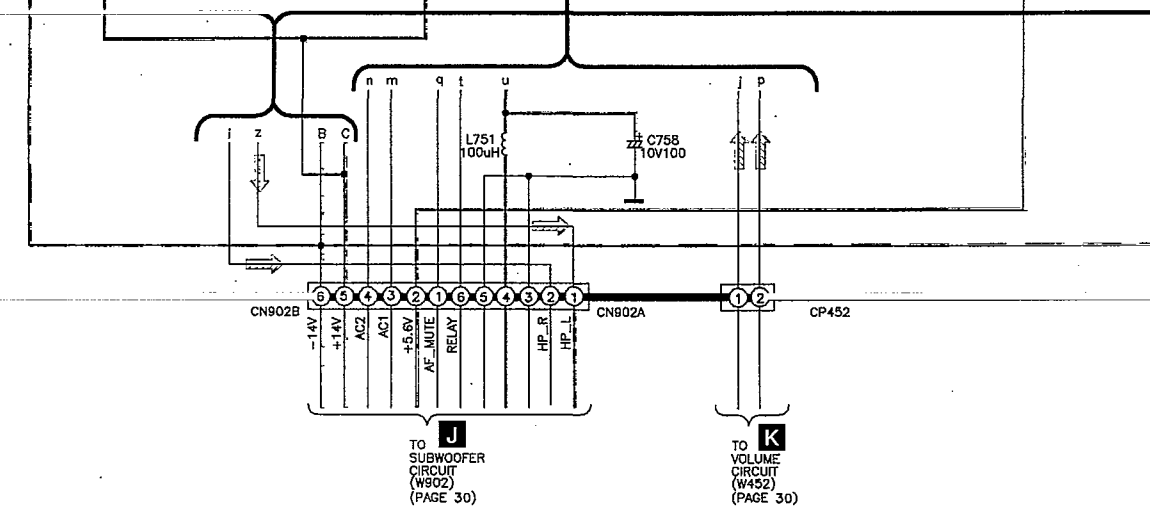
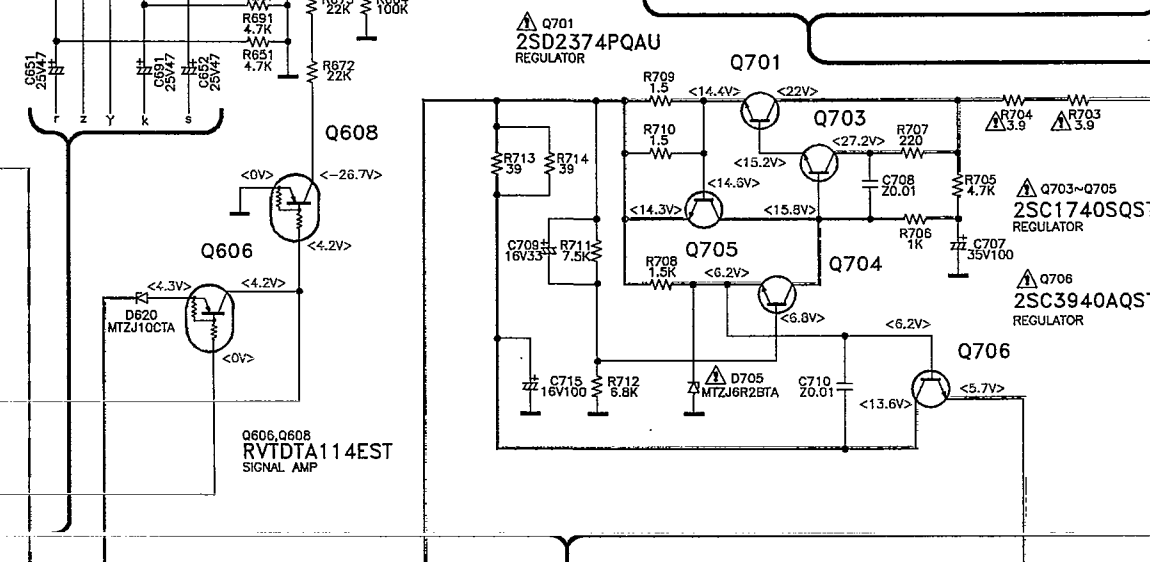
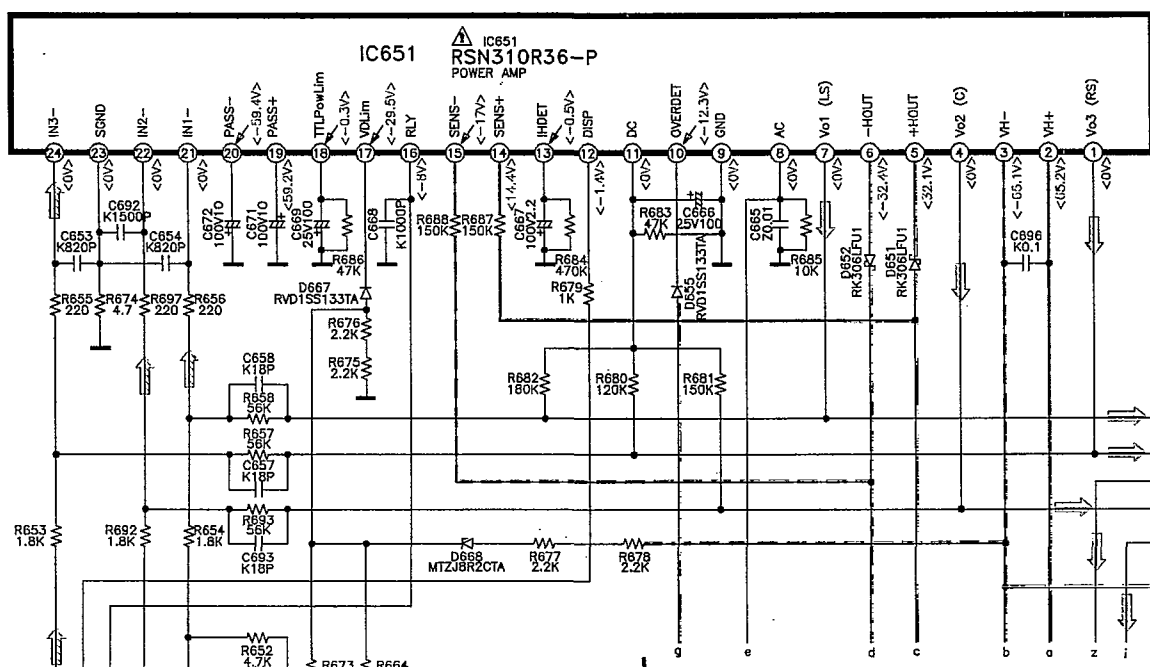
— : +B Line      ⇨ : Main Signal Line  
 - - : -B Line      ⇨ : FM/AM Signal Line



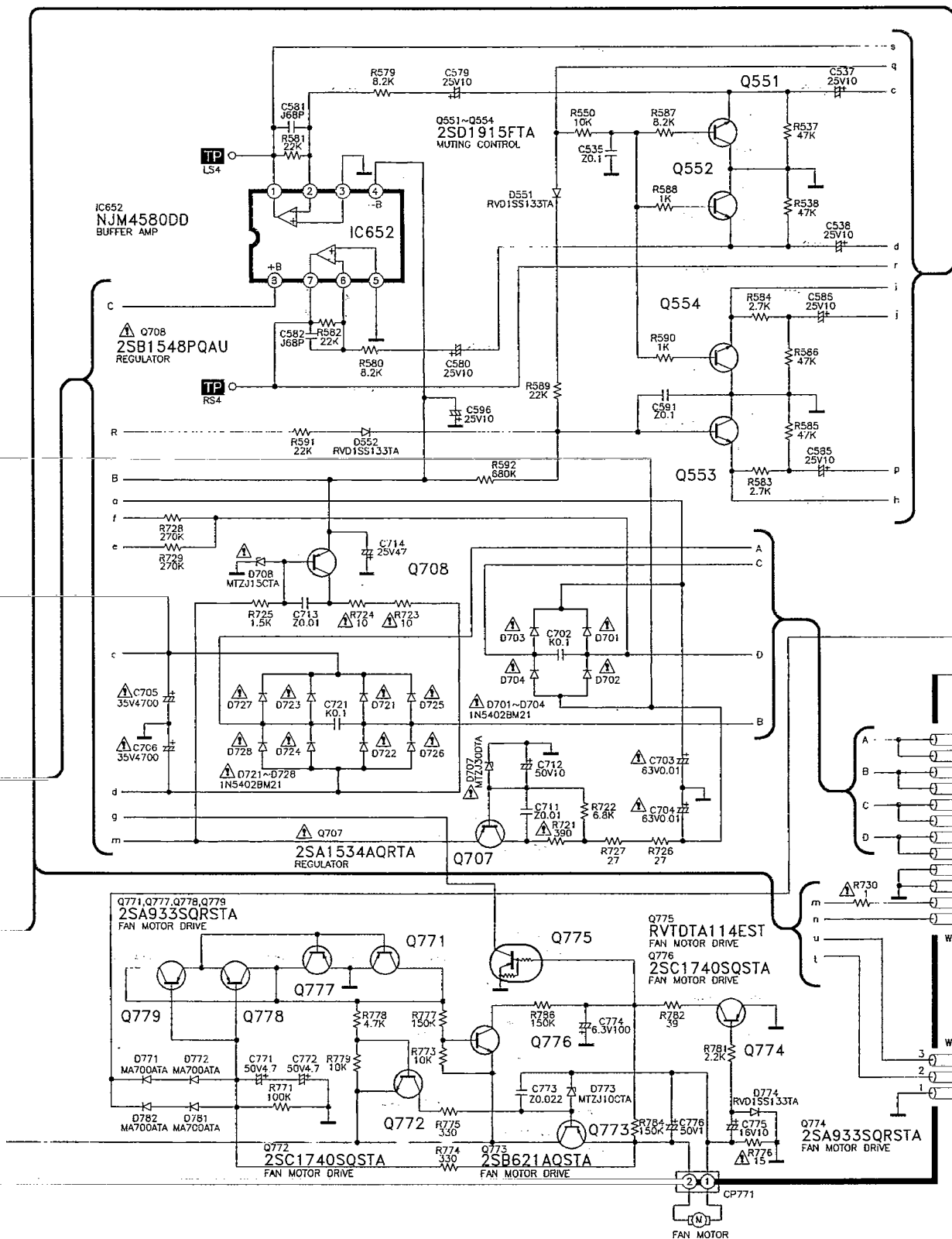
— : +B Line  
 - - : -B Line  
 — : Main Signal Line  
 — : FM/AM Signal Line



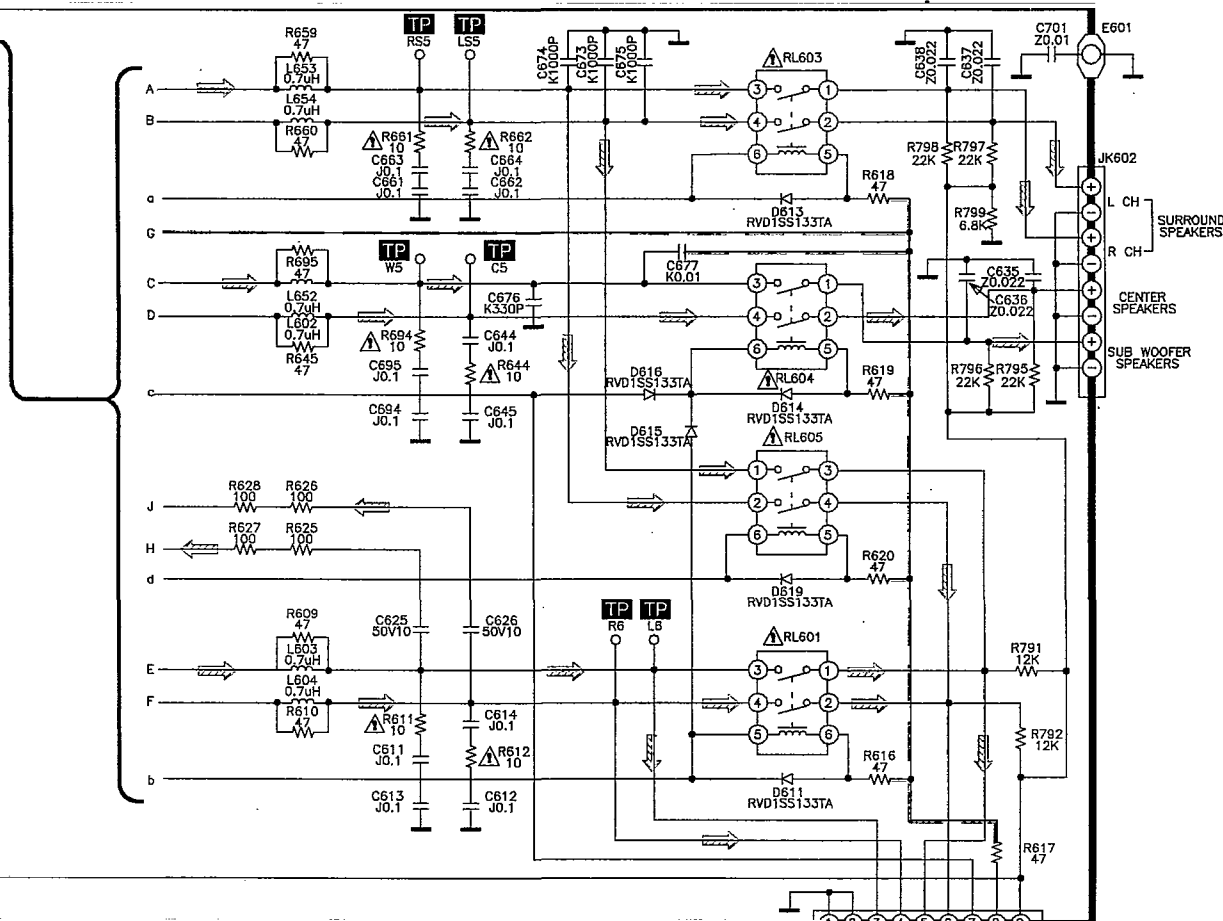
— : +B Line    - - - : -B Line    ⇨ : Main Signal Line



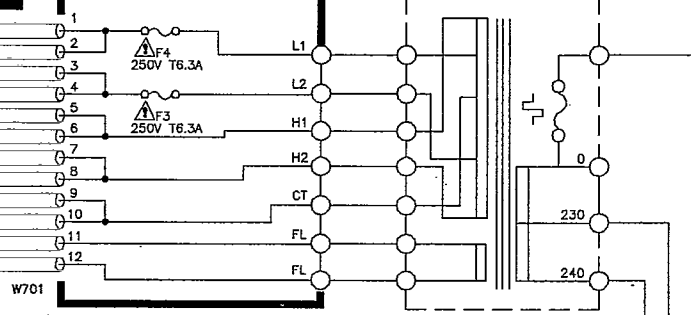
----- : +B Line      ----- : -B Line      ----- : Main Signal Line



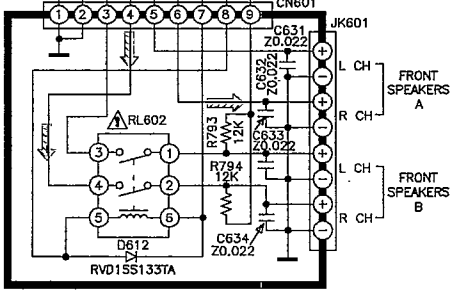
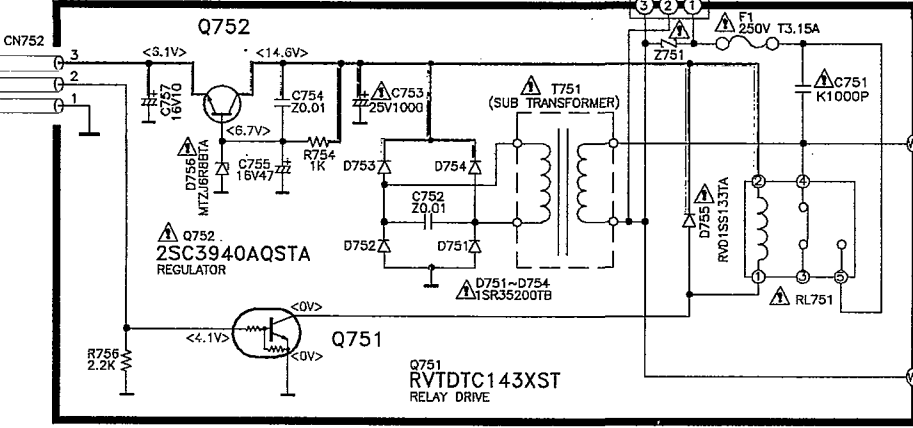
— : +B Line    - - - : -B Line    ⇨ : Main Signal Line



**G** TRANSFORMER CIRCUIT ( P.C.Board on page 37 )

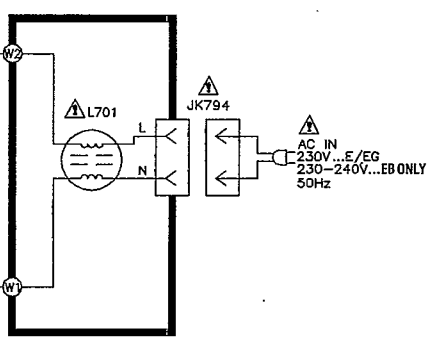


**F** POWER CIRCUIT ( P.C.Board on page 37 )



**N** FRONT SPEAKER CIRCUIT ( P.C.Board on page 39 )

**H** AC IN/OUT CIRCUIT ( P.C.Board on page 40 )

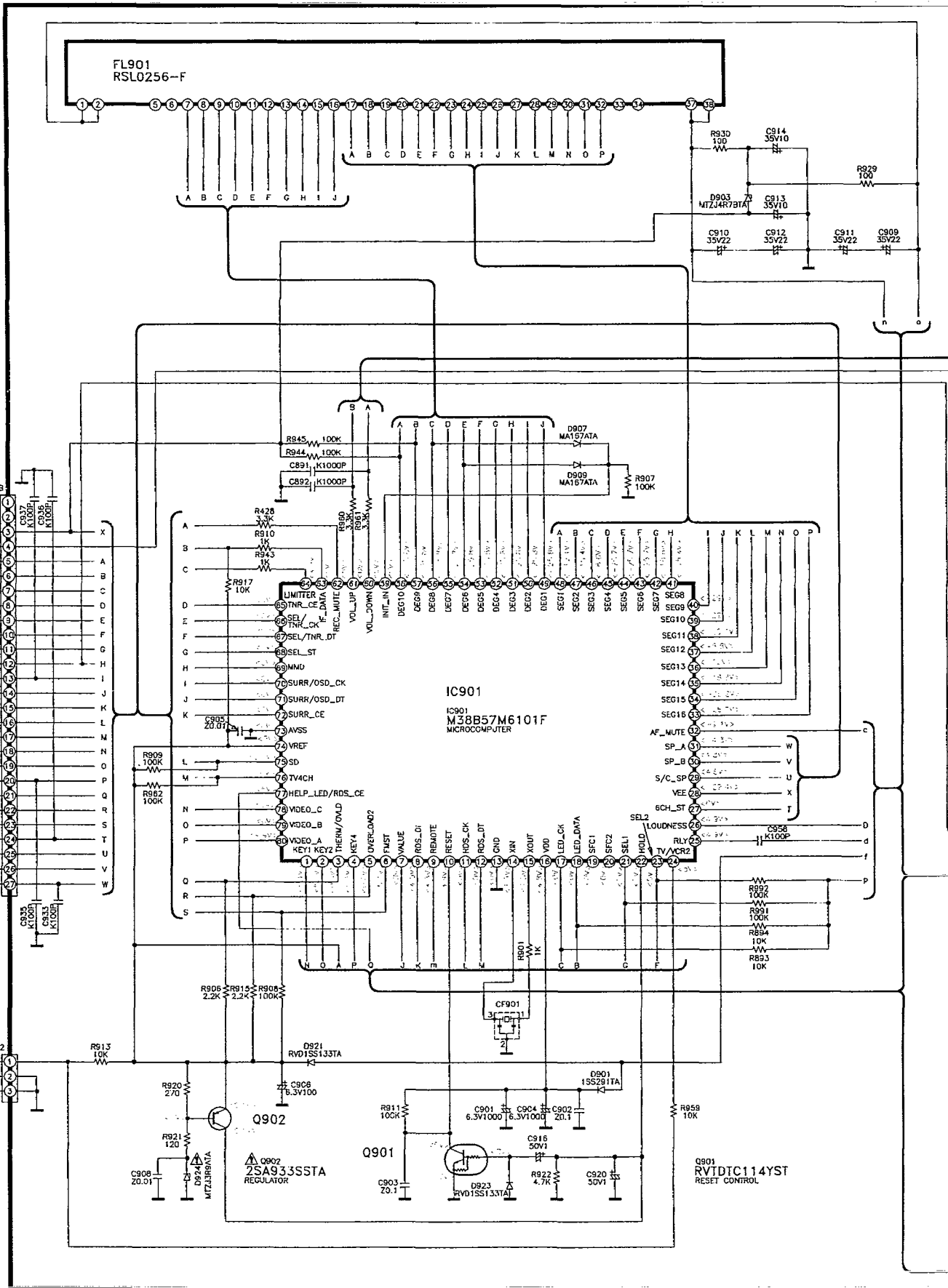


**B** PANEL CIRCUIT ( P.C.BOARD ON PAGE 34 )

— : +B Line      - - - - : -B Line

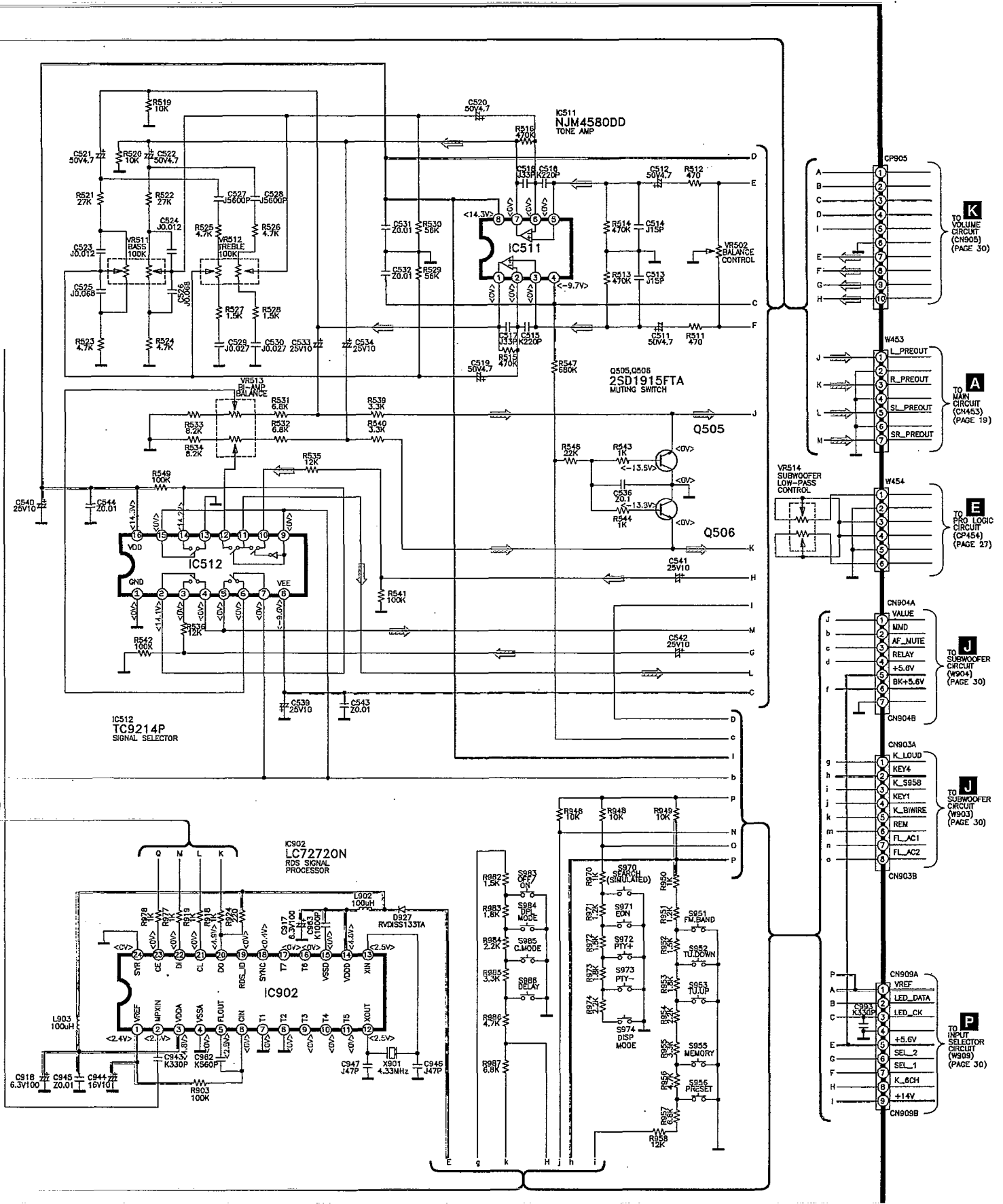
**A**  
TO MAIN CIRCUIT (CN901A) (PAGE 20)

**M**  
TO VCR2 CIRCUIT (W352) (PAGE 27)



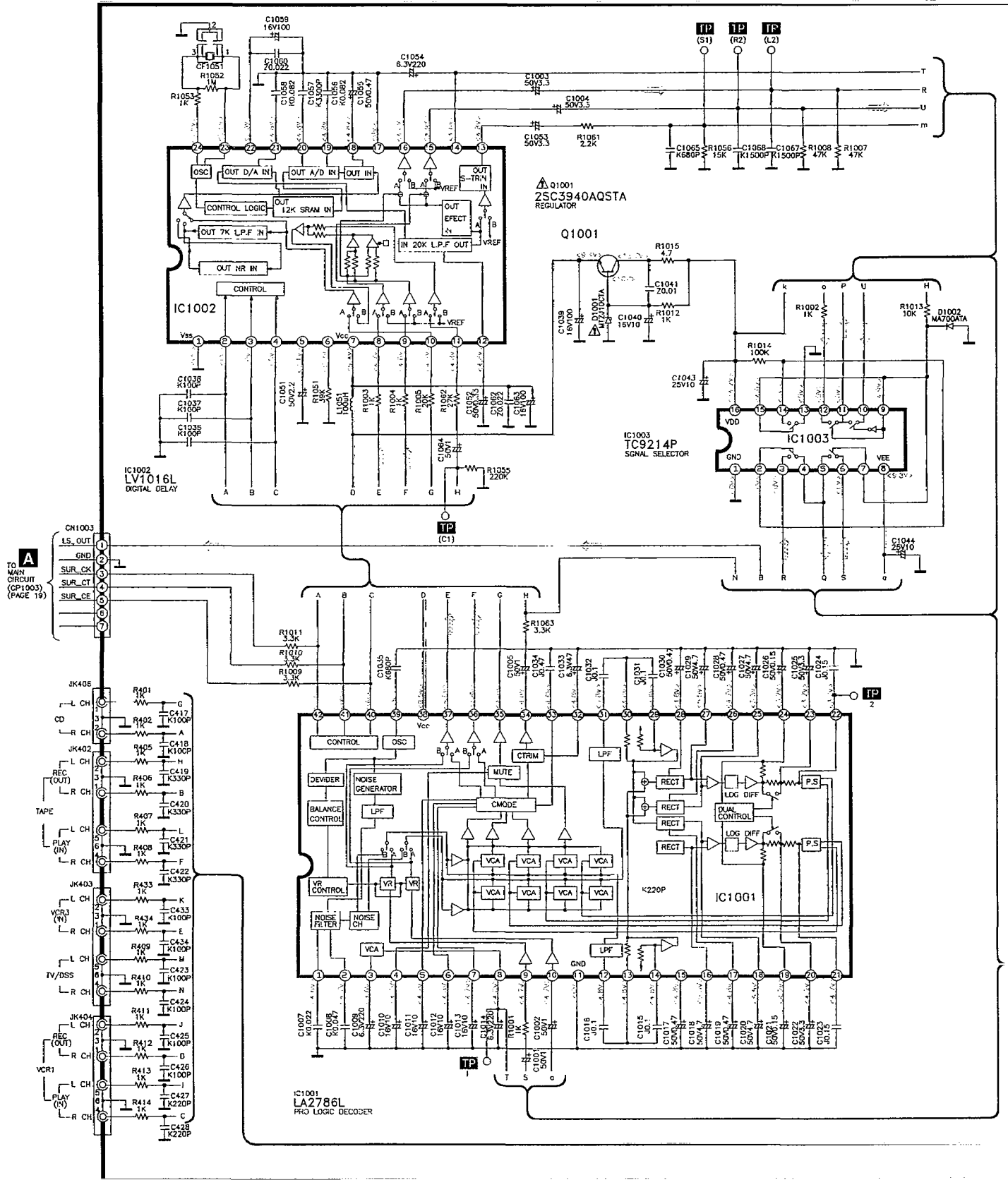


— : +B Line    - - - : -B Line    ⇨ : Main Signal Line



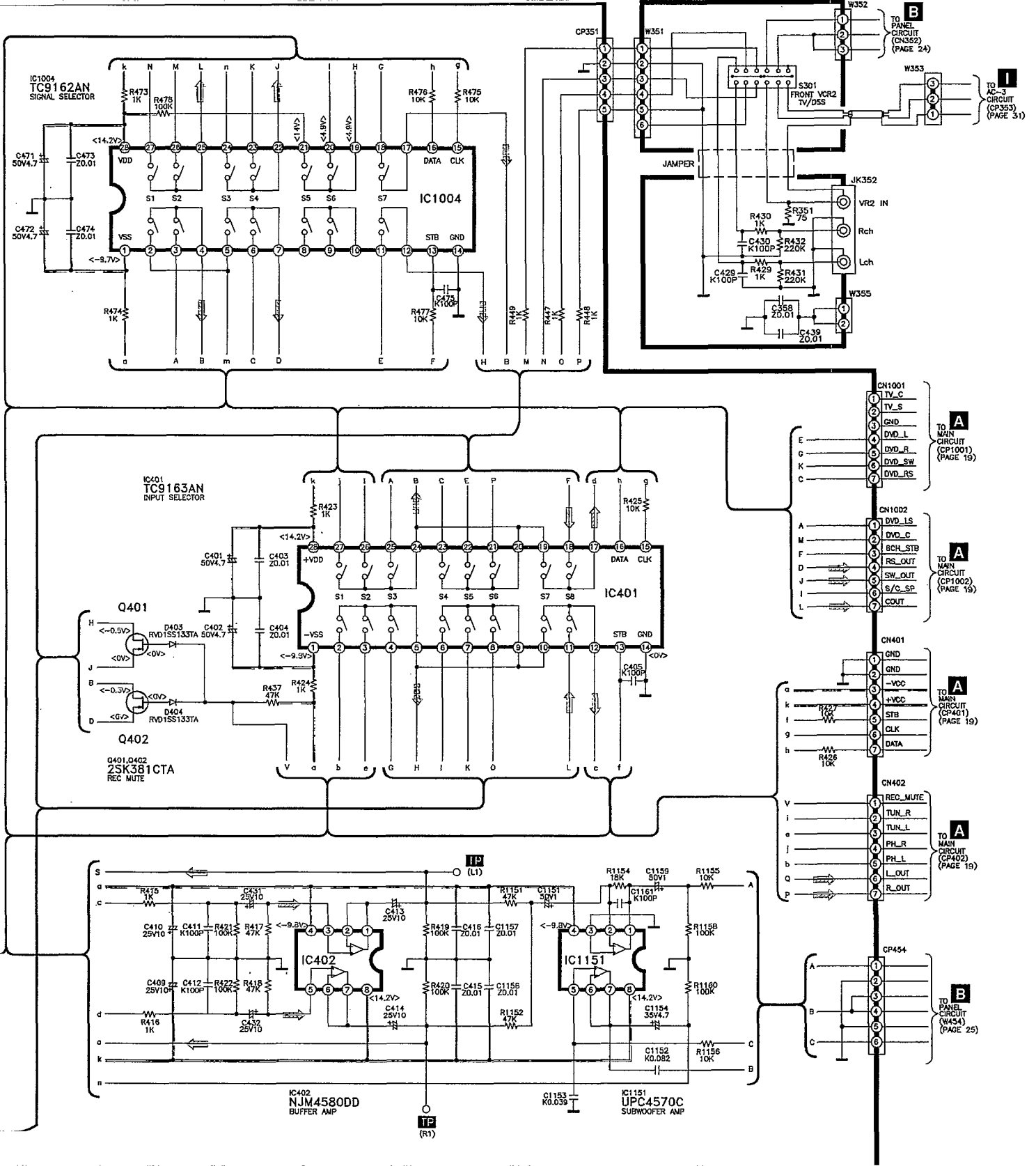
**E** PRO-LOGIC CIRCUIT ( P.C.Board on page 36 )

— : +B Line    - - - : -B Line    --- : Main Signal Line



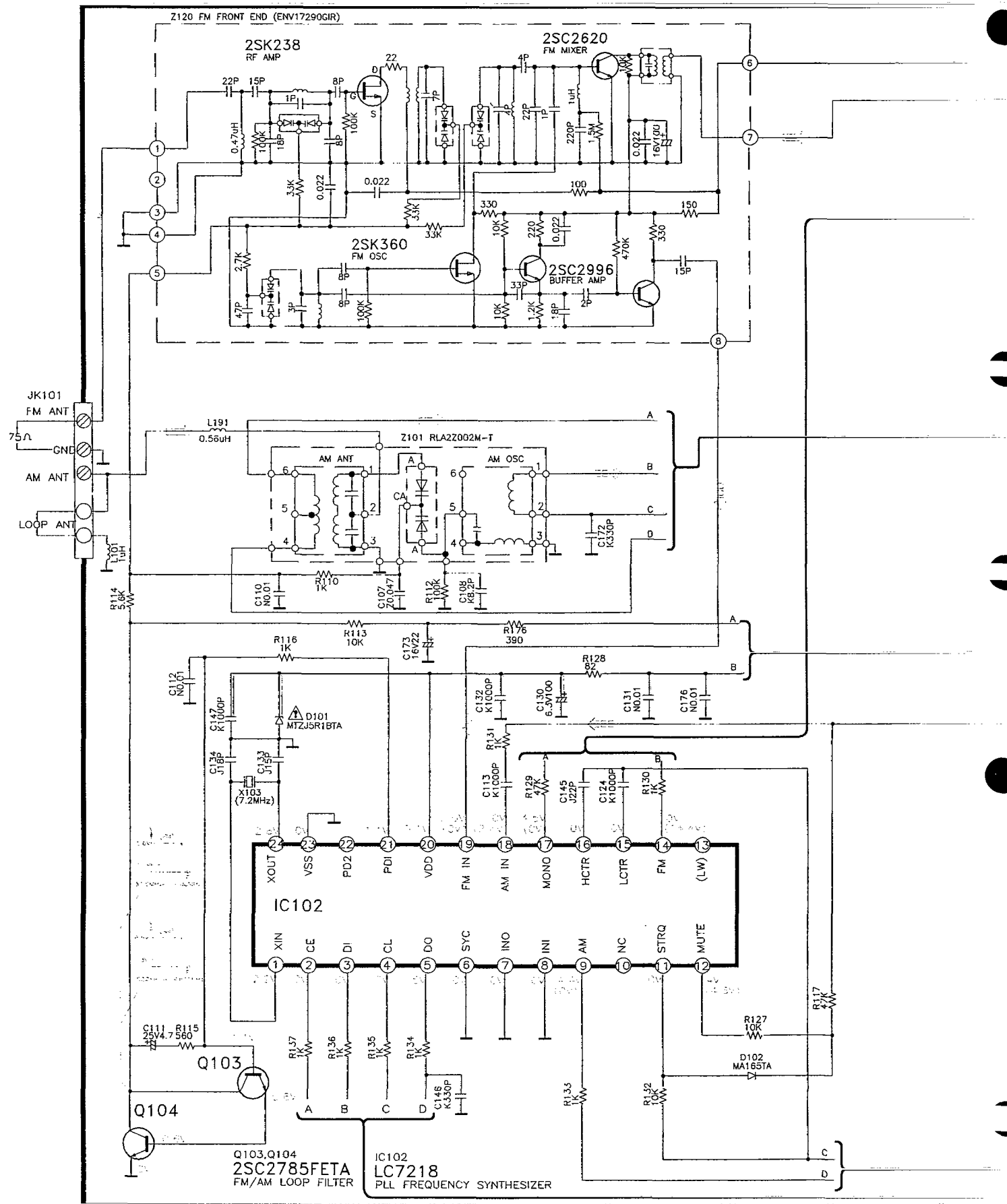
— : +B Line      ⇨ : Main Signal Line  
 - - : -B Line      ⇨⇨ : Rec Signal Line

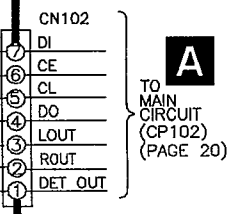
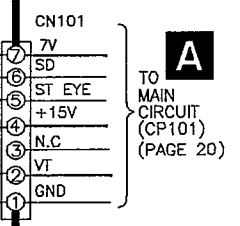
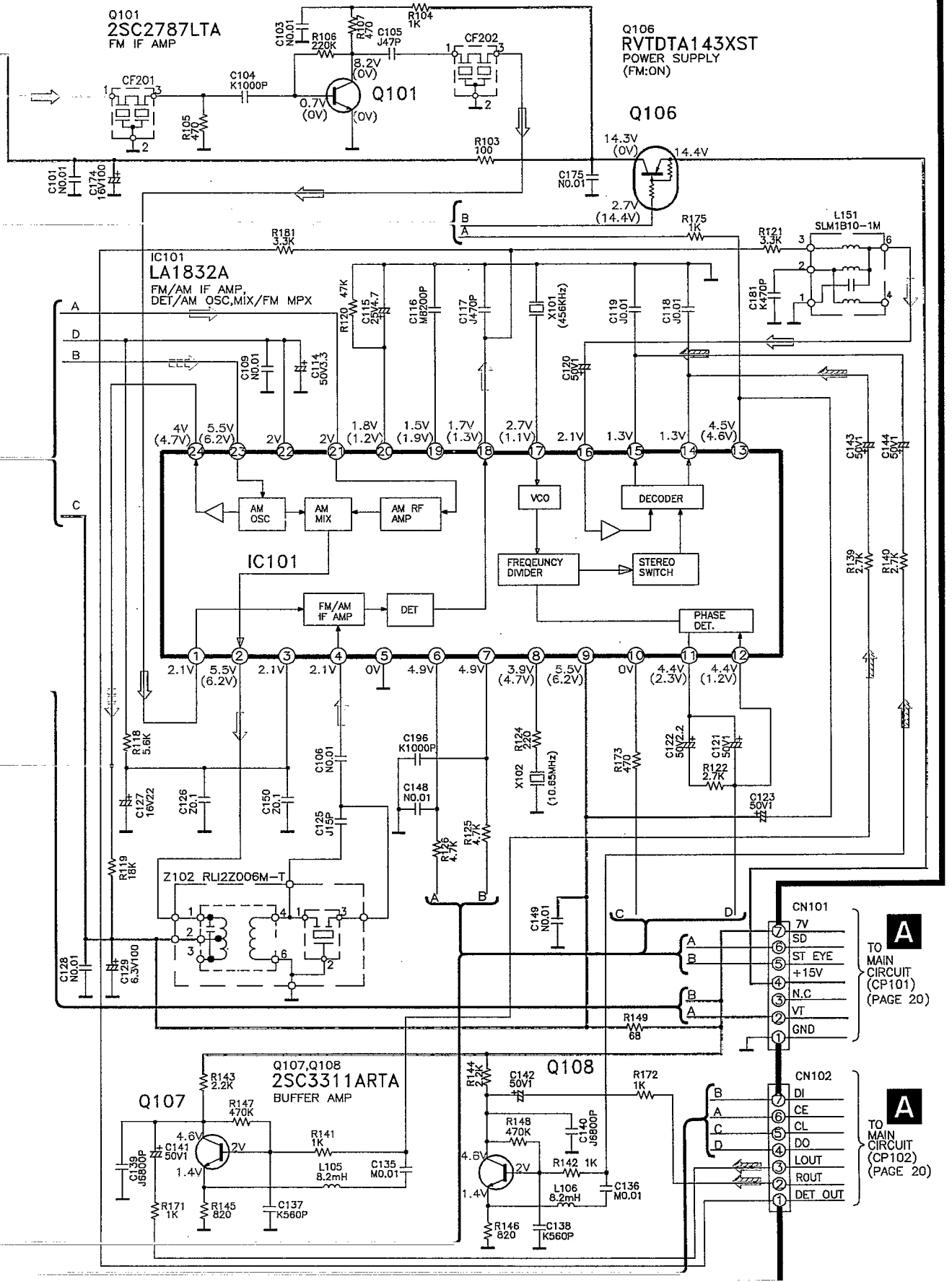
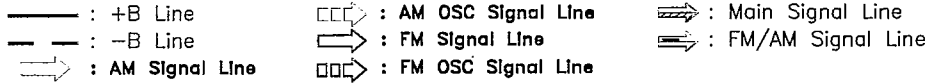
**M** VCR2 CIRCUIT  
 ( P.C.Board on page 38 )



**C** TUNER CIRCUIT  
( P.C.Board on page 41 )

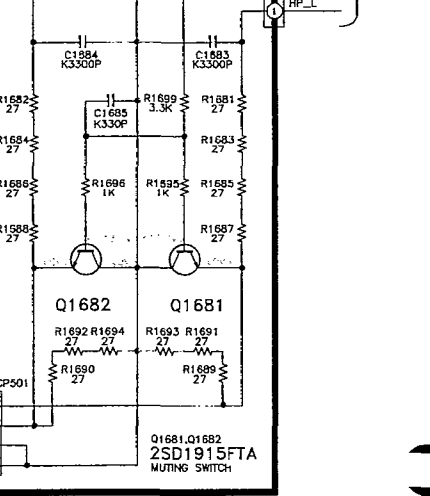
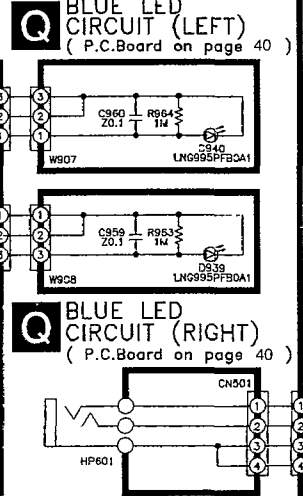
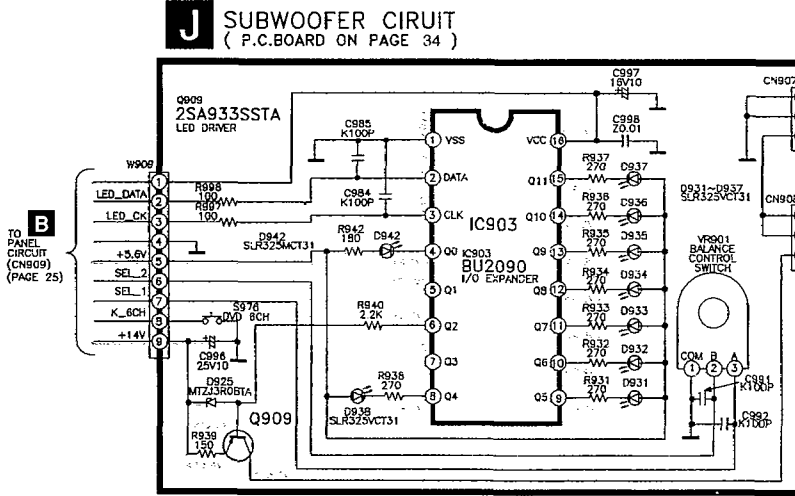
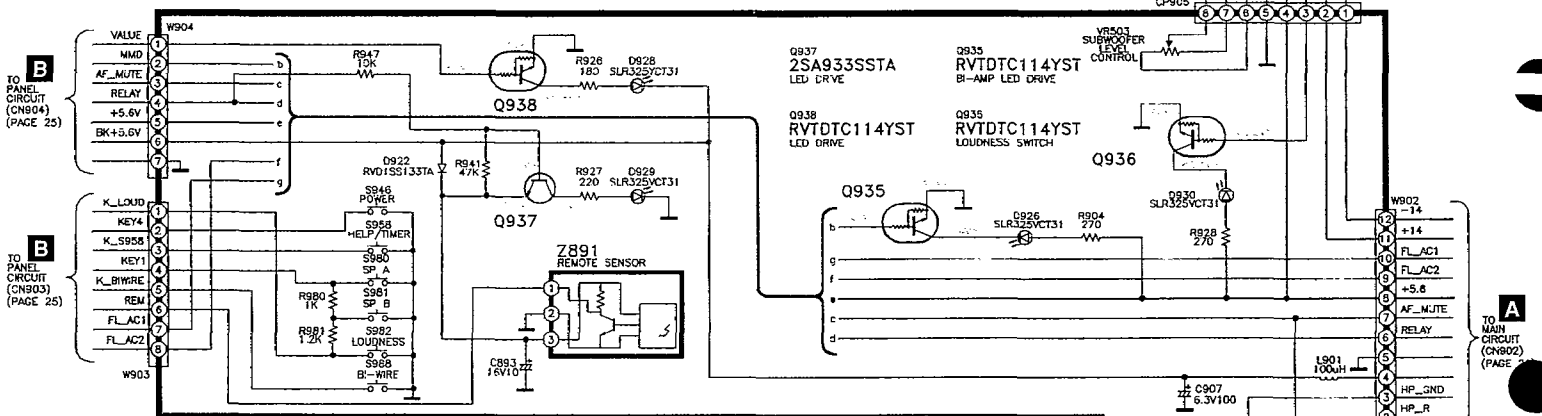
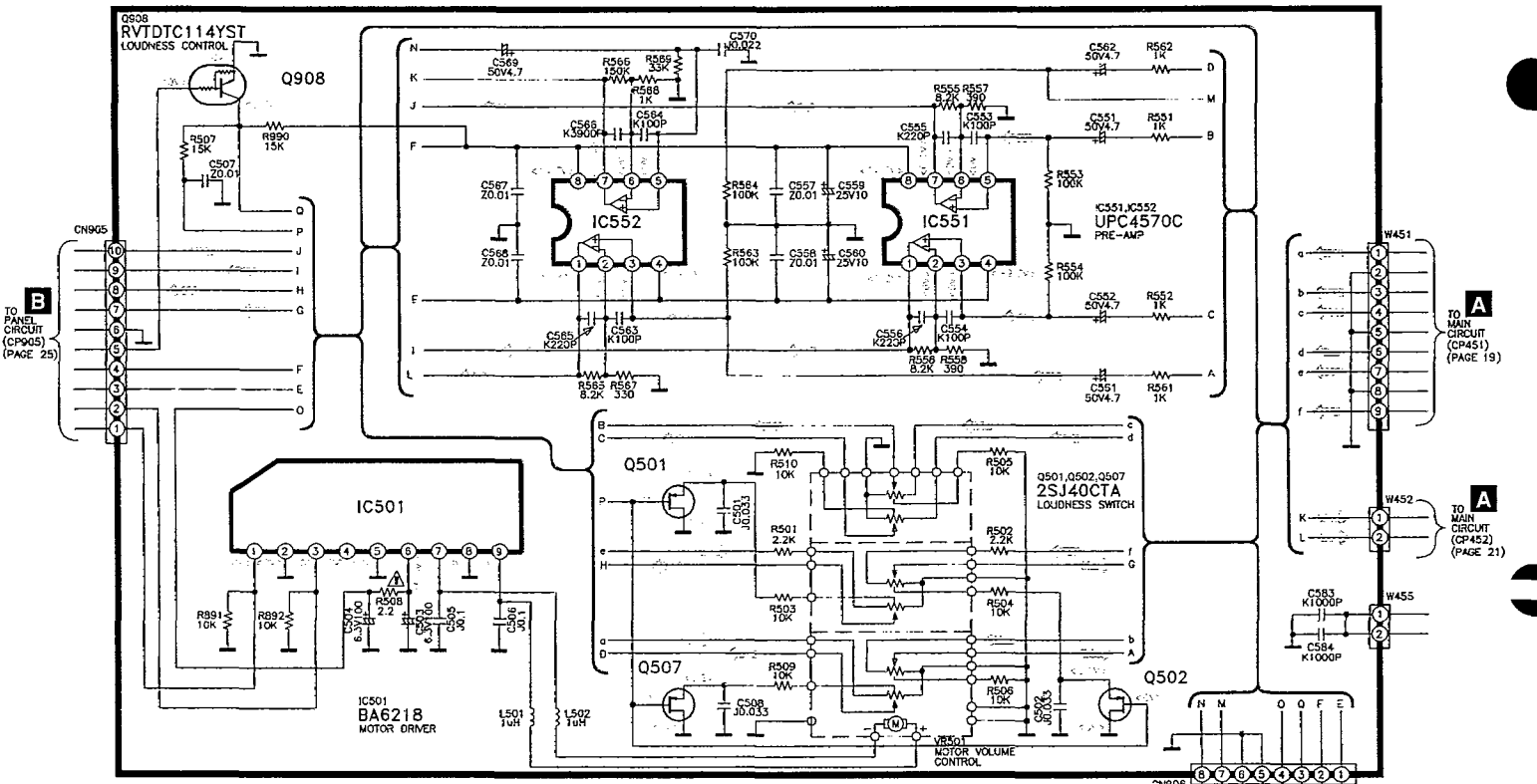
- : +B Line
- - - : -B Line
- ⊞ : AM Signal Line
- ⊞ : AM OSC Signal Line
- ⊞ : FM Signal Line
- ⊞ : FM OSC Signal Line
- ⊞ : FM/AM Signal Line





**K** VOLUME CIRCUIT ( P.C.BOARD ON PAGE 35 )

— : +B Line    - - - - : -B Line    ——— : Main Signal Line

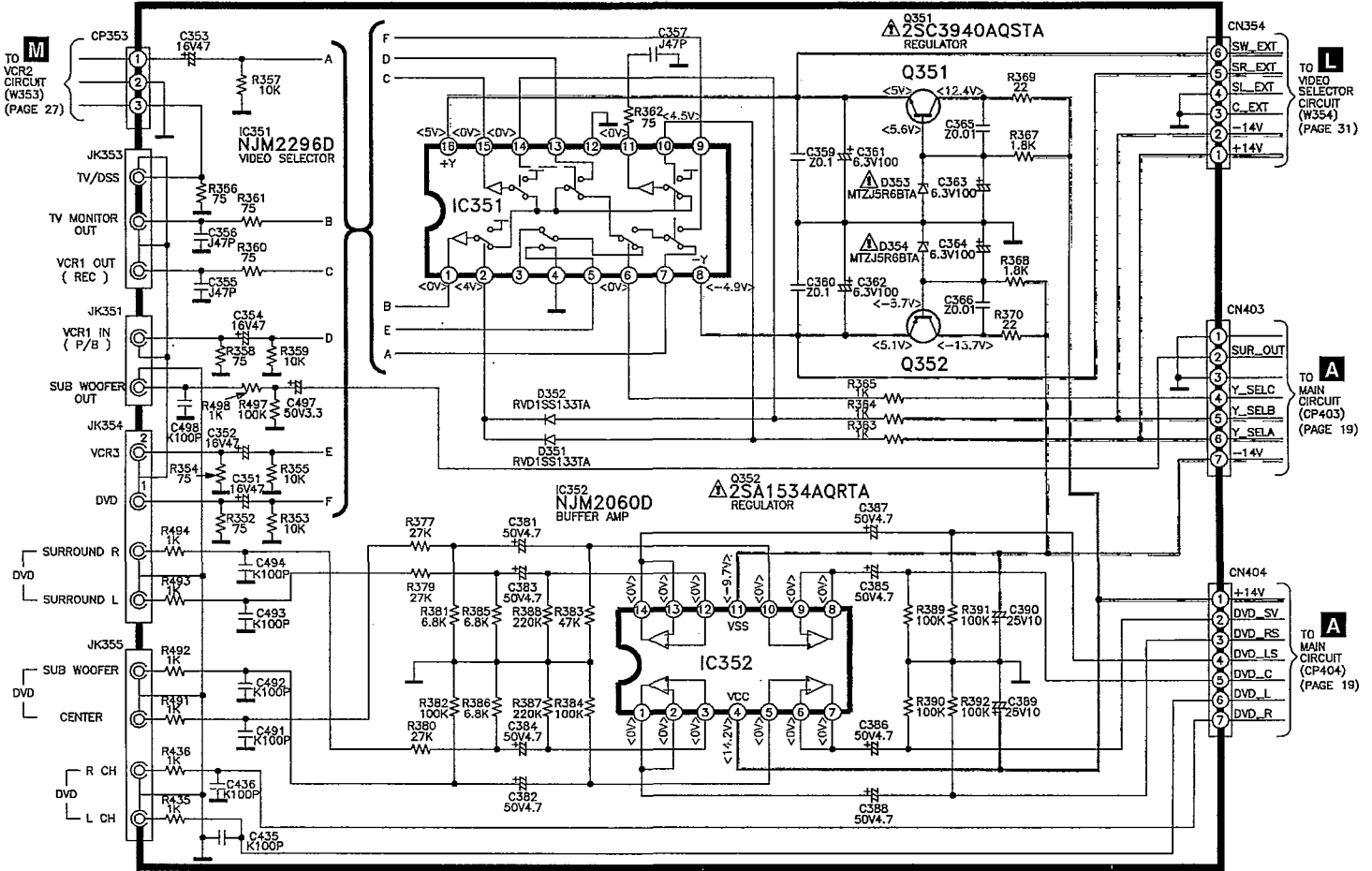


**P** INPUT SELECTOR CIRCUIT ( P.C.BOARD ON PAGE 40 )

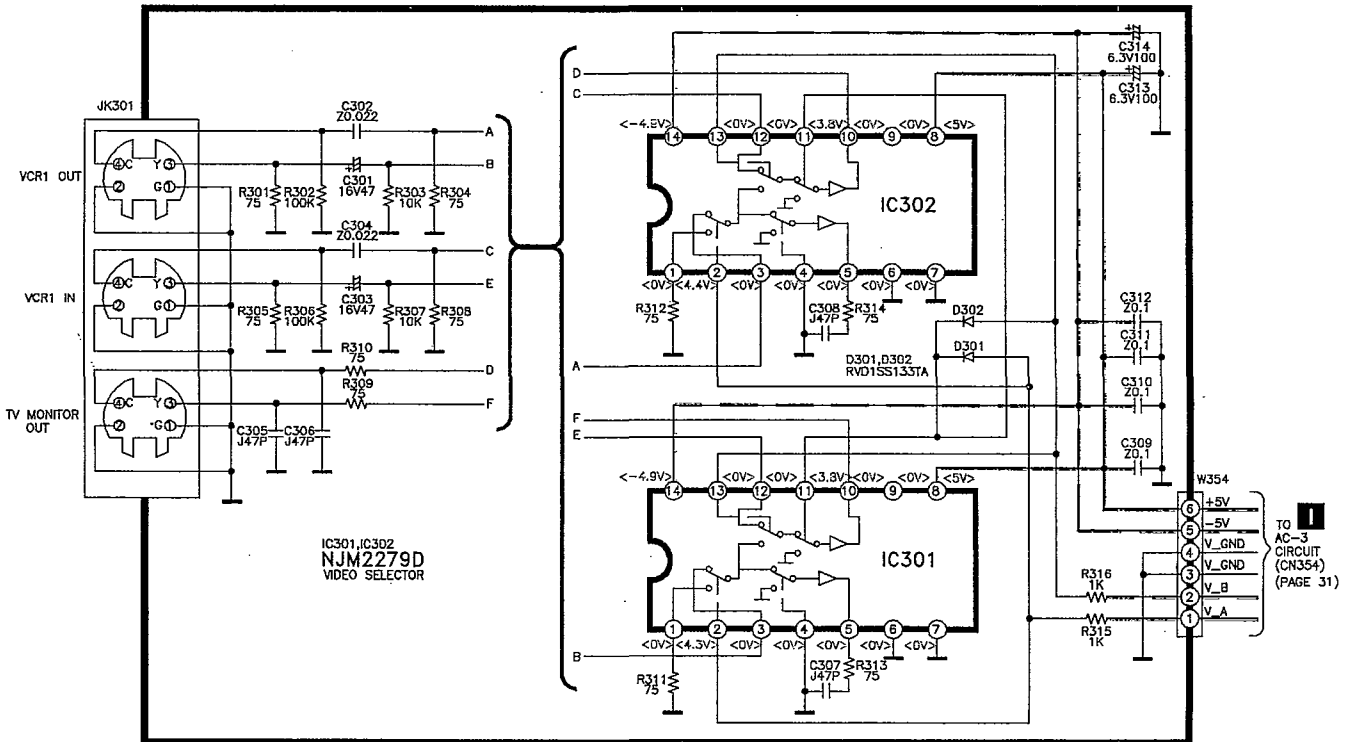
**Q** HEADPHONE JACK CIRCUIT ( P.C.Board on page 40 )

**I** AC-3 CIRCUIT ( P.C.Board on page 39 )

— : +B Line    - - - : -B Line



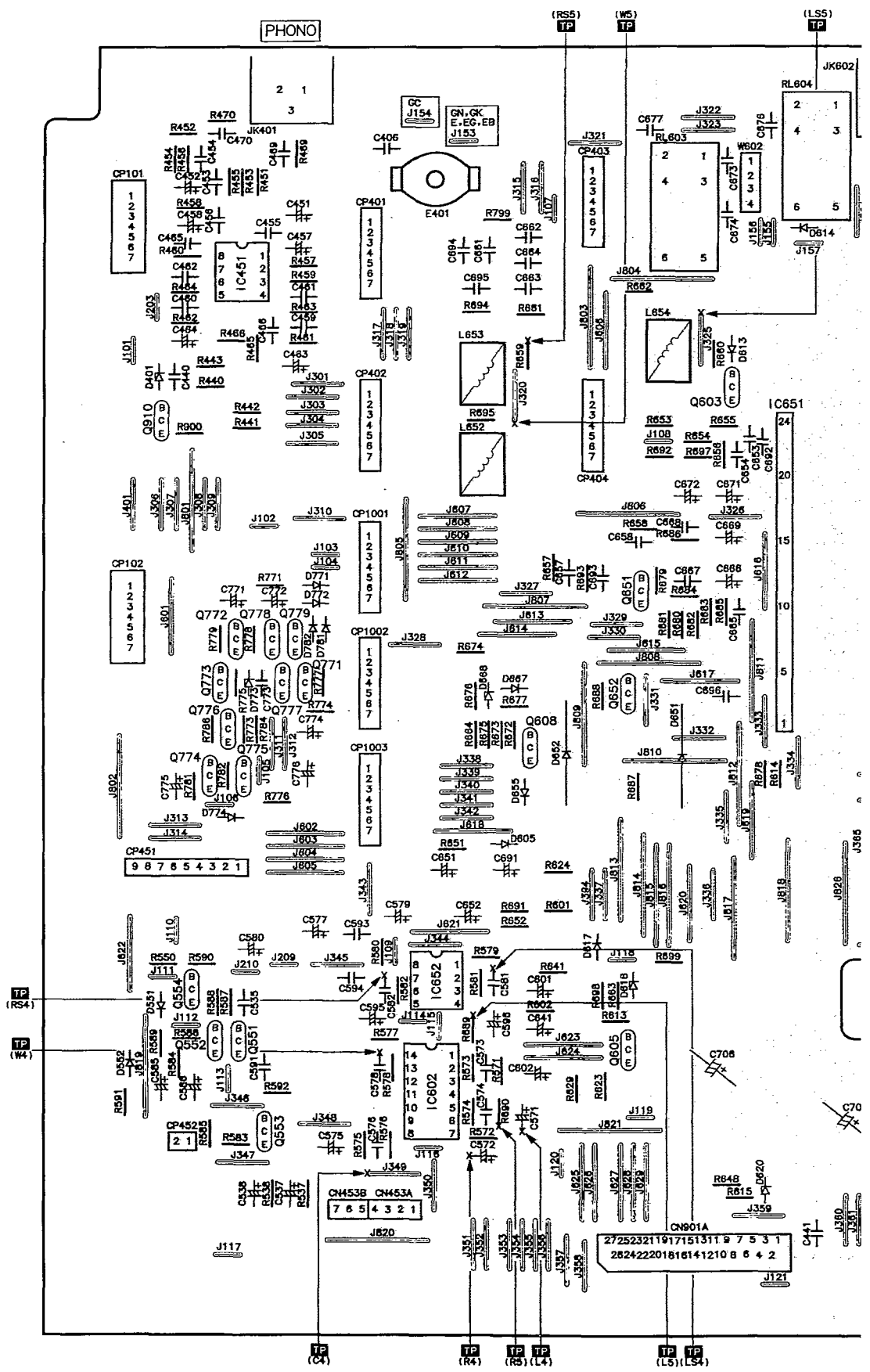
**L** VIDEO SELECTOR CIRCUIT ( P.C.Board on page 38 )



A B C D E F G H

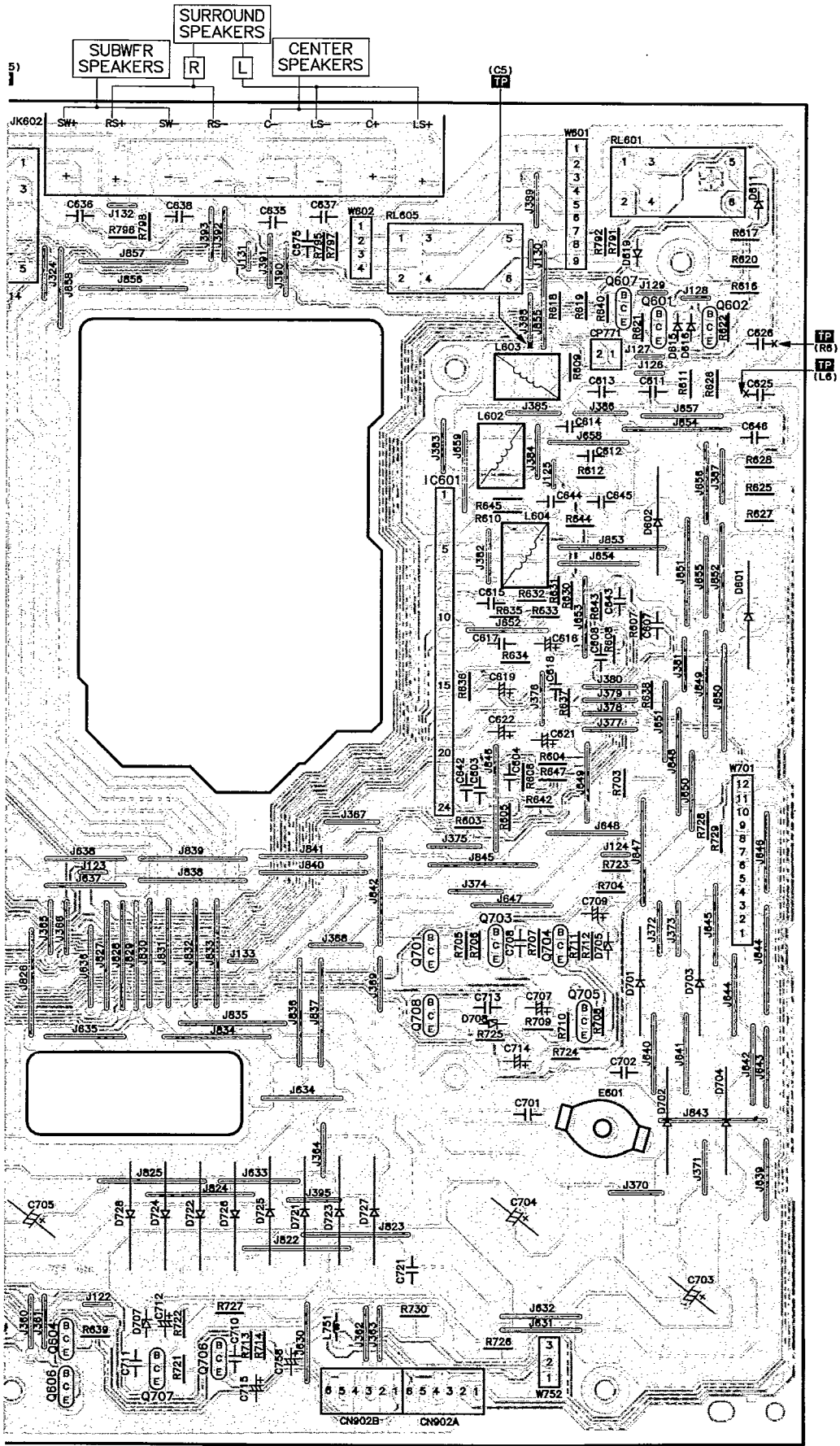
**A** MAIN P.C.B. (REP2676B-M)

1  
2  
3  
4  
5  
6  
7  
8  
9  
10





I J K L M N O P

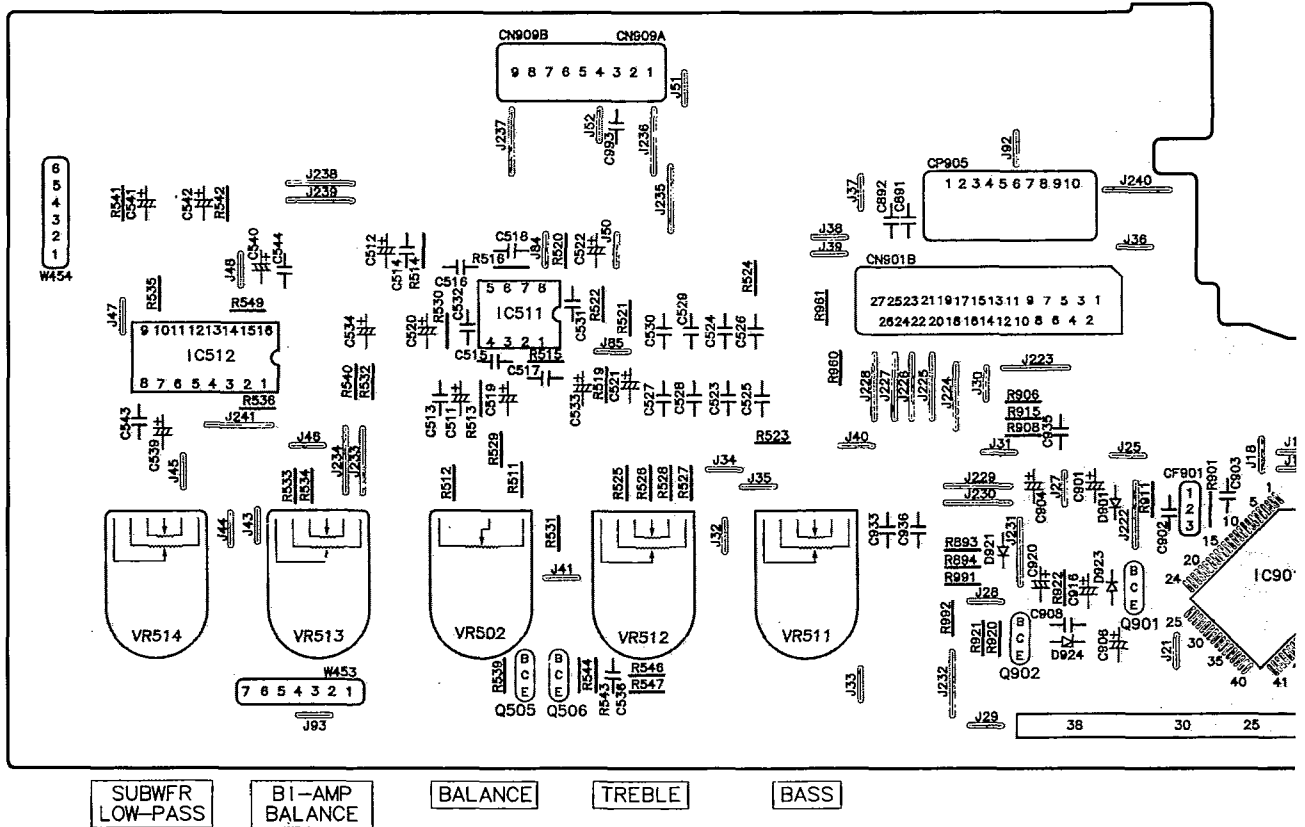


Parts Location Table

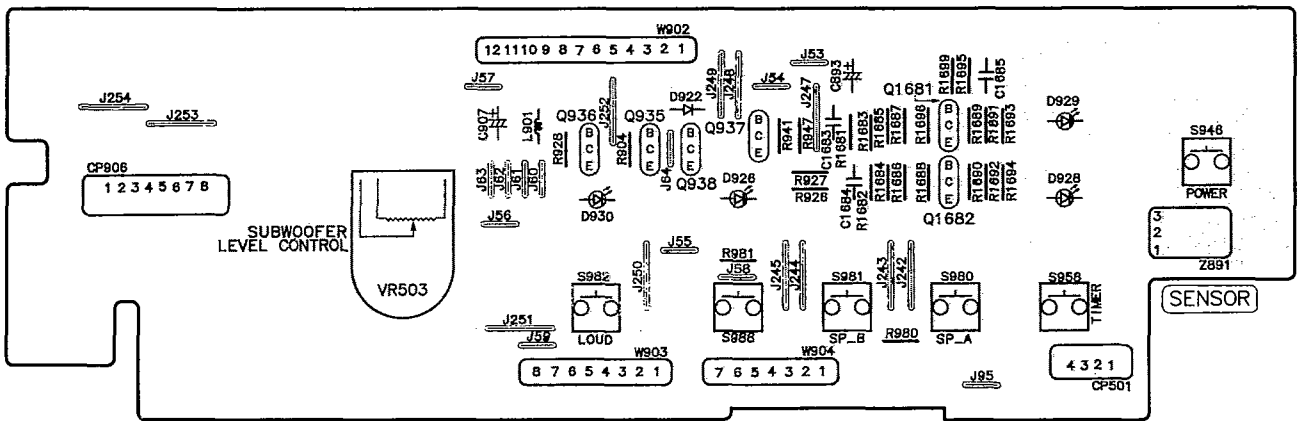
Ref No.	Loc. No.	Ref No.	Loc. No.
CN453A	D9	D773	C6
CN453B	D9	D774	C7
CN901A	G10	E401	E2
CN902A	L10	E601	M8
CN902B	K10	IC451	C3
CP1001	D5	IC601	L5
CP1002	D6	IC602	E8
CP1003	D6	IC651	G5
CP101	C2	IC652	E8
CP102	C5	JK401	D2
CP401	D3	JK602	K2
CP402	D4	L602	L3
CP403	F2	L603	M3
CP404	F4	L604	M4
CP451	C7	L652	E4
CP452	C9	L653	E3
CP771	M3	L654	F3
D401	C4	L751	K10
D551	C8	Q551	C8
D552	C8	Q552	C8
D601	N4	Q553	D9
D602	M4	Q554	C8
D605	E7	Q601	N3
D611	N2	Q602	N3
D613	G3	Q603	G3
D614	G2	Q604	J10
D615	N3	Q605	F8
D616	N3	Q606	J10
D617	F7	Q607	M3
D618	F8	Q608	E6
D619	M2	Q651	F5
D620	G9	Q652	F6
D651	F6	Q701	L7
D652	F6	Q703	L7
D655	E6	Q704	M7
D667	E6	Q705	M7
D668	E6	Q706	K10
D701	M7	Q707	J10
D702	N8	Q708	L7
D703	N7	Q772	C5
D704	N8	Q773	C6
D705	M7	Q774	C6
D707	J10	Q775	C6
D708	L7	Q776	C6
D721	K9	Q777	D6
D722	J9	Q778	D5
D723	K9	RL601	M2
D724	J9	RL603	F2
D725	K9	RL604	G2
D726	K9	RL605	L2
D727	L9	W601	M2
D728	J9	W602	G2
D771	D5	W701	N6
D772	D5	W752	M10

A B C D E F G H

### B PANEL P.C.B. (REP2677B-S)



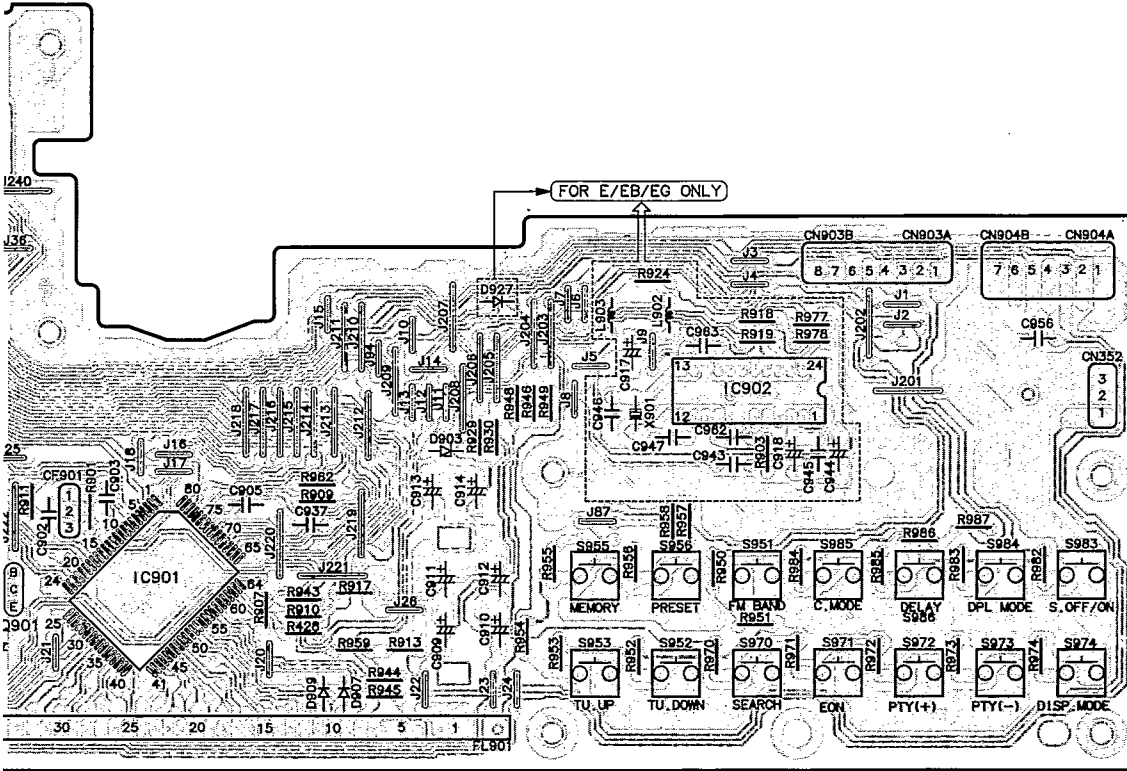
### J SUBWOOFER P.C.B. (REP2677B-S)



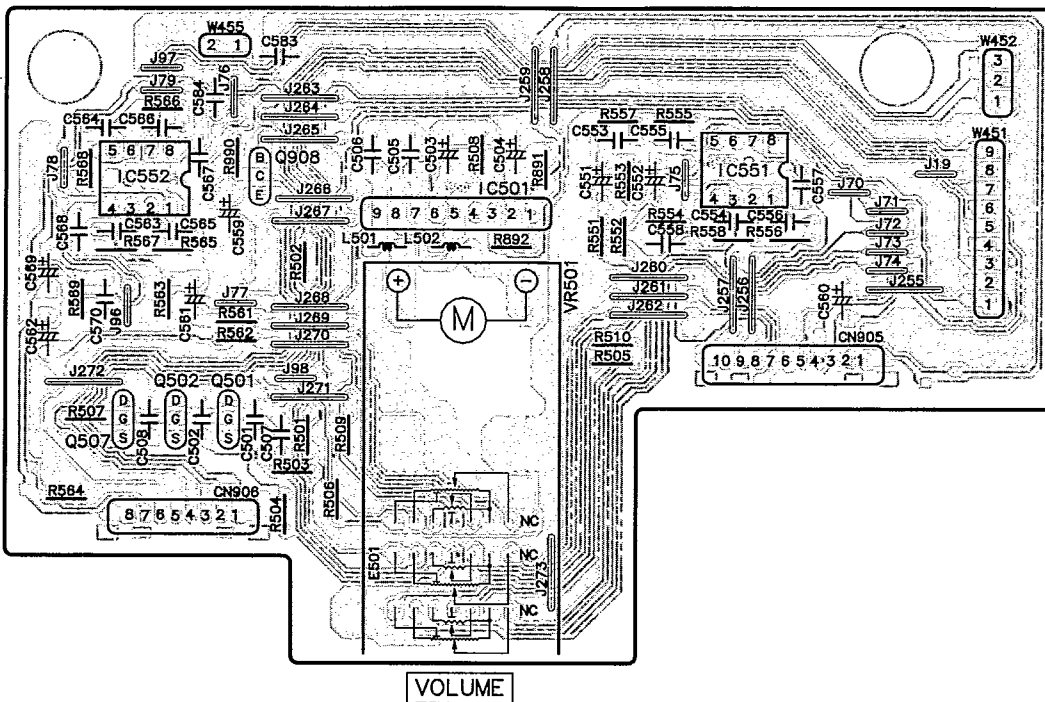
I : J : K : L : M : N : O : P :

Parts Location Table

Ref No.	Loc. No.
CF901	G4
CN352	O3
CN901B	E3
CN903A	N3
CN903B	N3
CN904A	O3
CN904B	O3
CN909A	D2
CN909B	D2
CP905	F2
D901	G4
D903	K4
D907	K5
D909	K5
D921	F4
D923	G4
D924	G4
D927	L3
FL901	J5
IC511	C3
IC512	B3
IC901	G4
IC902	M3
L902	M3
L903	L3
Q505	D5
Q506	D5
Q901	G4
Q902	F5
S951	M4
S952	M5
S953	L5
S955	L4
S956	M4
S970	M5
S971	N5
S972	N5
S973	O5
S974	O5
S983	O4
S984	N4
S985	N4
S986	N4
VR502	C4
VR511	E4
VR512	D4
VR514	A4
W453	B5
W454	A2
X901	M3



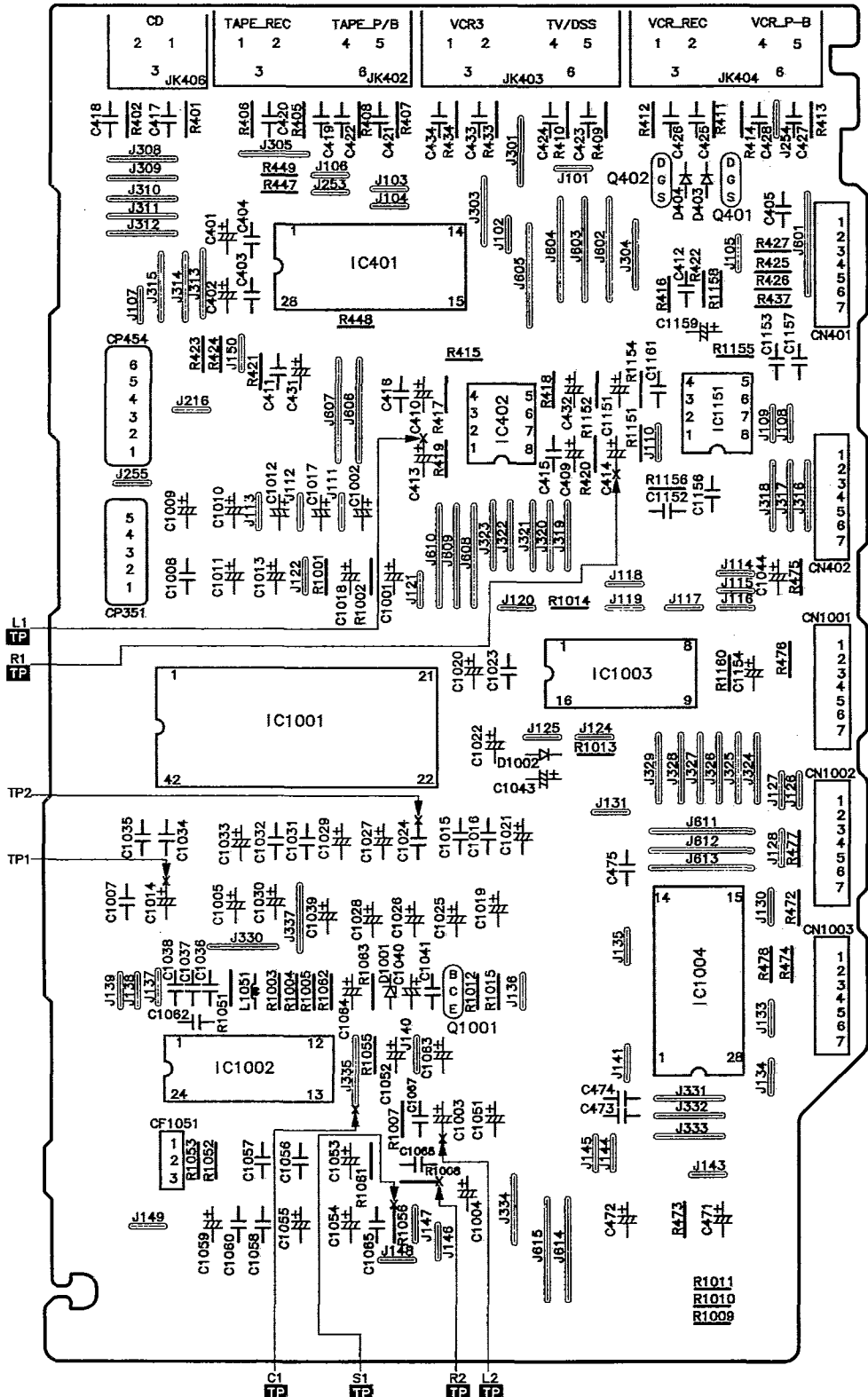
**K VOLUME P.C.B. (REP2677B-S)**



A B C D E F G

**E** PRO LOGIC P.C.B. (REP2678B-P) ... E/EG  
(REP2678C-P) ... EB

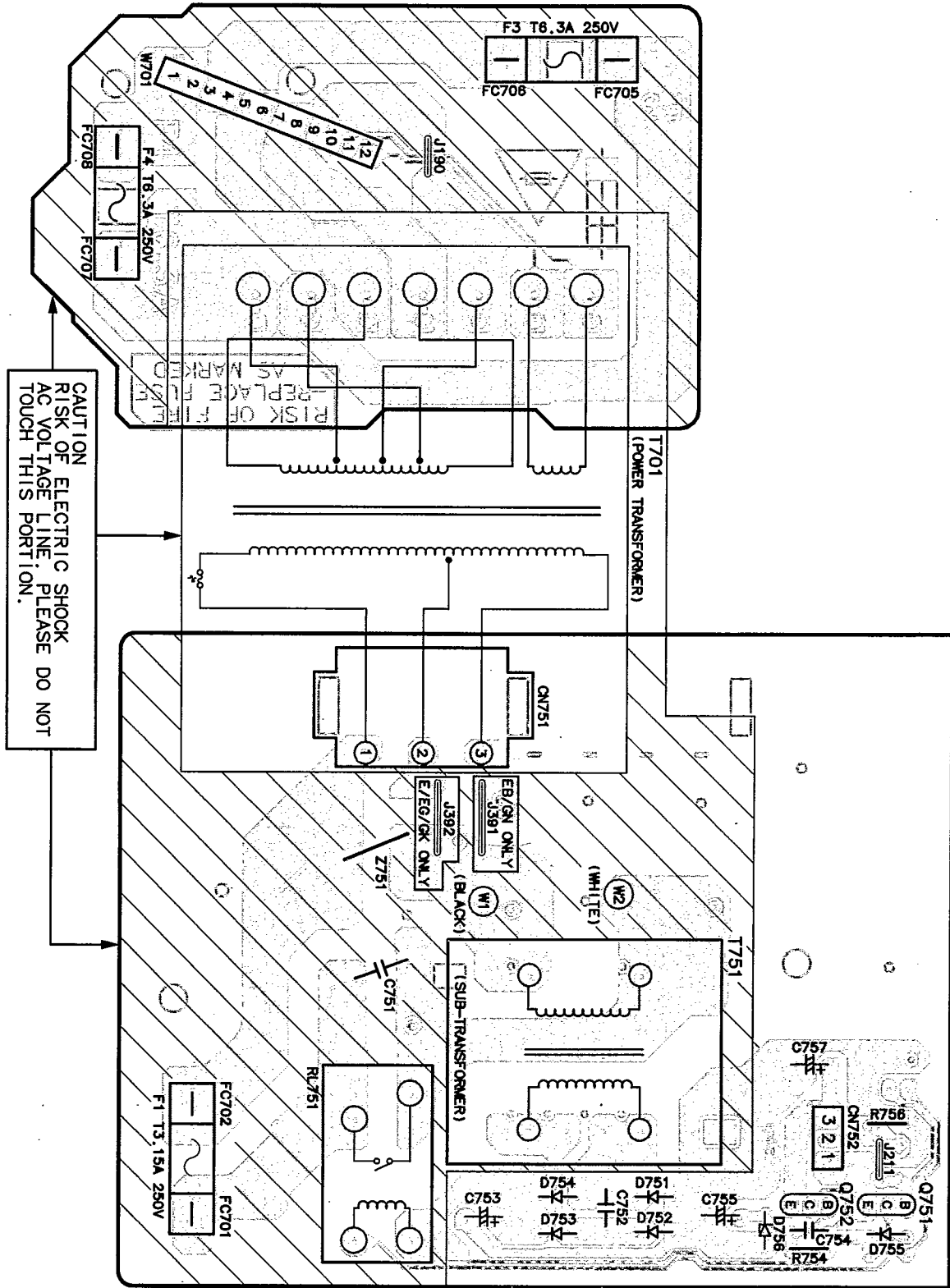
1  
2  
3  
4  
5  
6  
7  
8  
9  
10



Parts Location Table

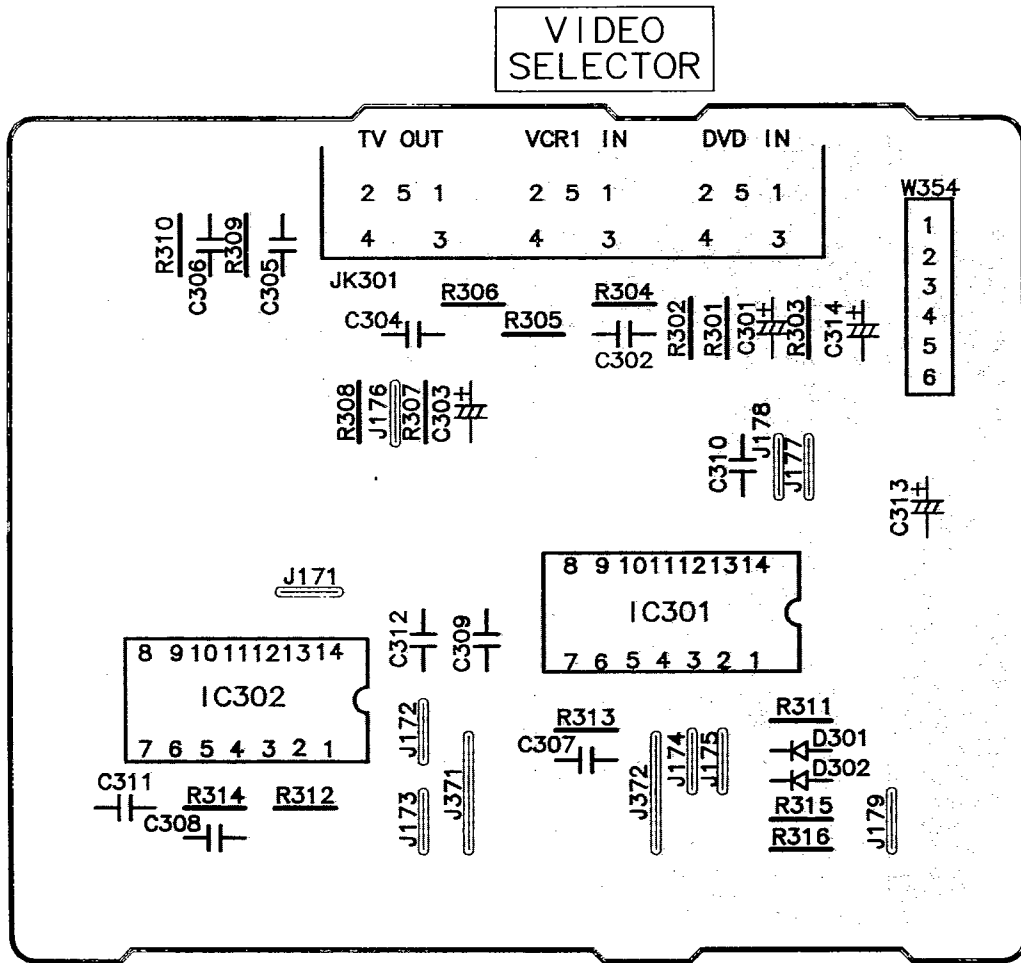
Ref No.	Loc. No.
CF1051	B8
CN1001	F6
CN1002	F6
CN1003	F7
CN401	F3
CN402	F4
CP351	B5
CP454	B4
D403	E3
D404	E3
D1001	C8
D1002	D6
IC1001	B6
IC1002	B8
IC1003	D6
IC1004	E7
IC1151	E4
IC401	C3
IC402	D4
JK402	C2
JK403	D2
JK404	E2
JK406	B2
L1051	B8
Q1001	D8
Q401	E3
Q402	E3

**G** TRANSFORMER P.C.B. (REP2676B-M)

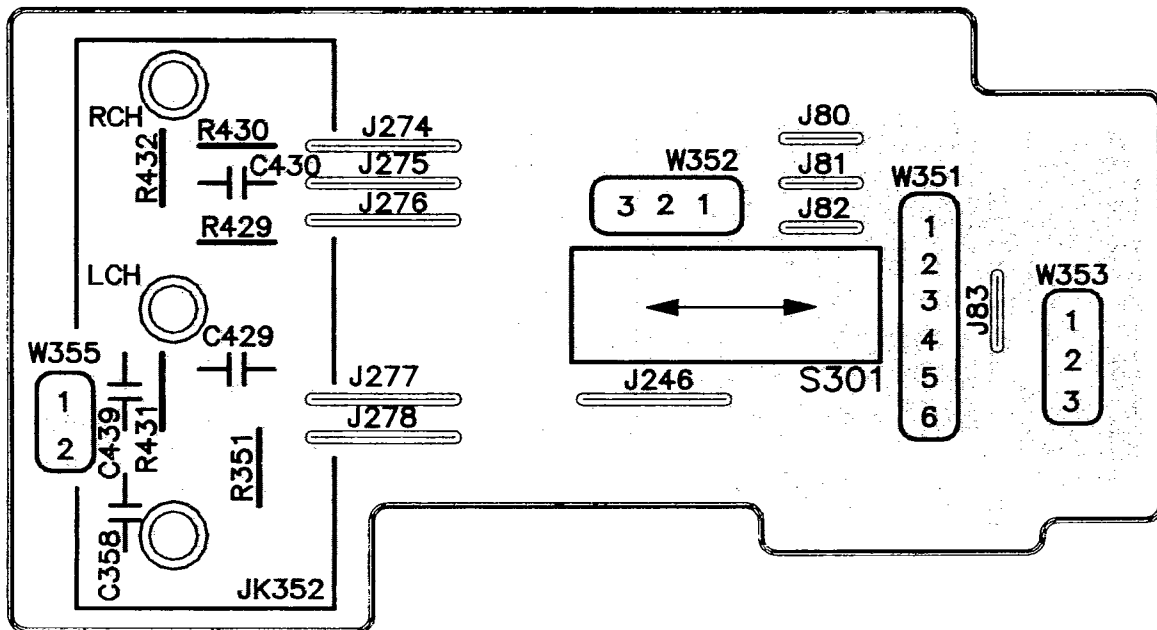


**F** POWER P.C.B. (REP2678B-P) ... E/EG  
(REP2678C-P) ... EB

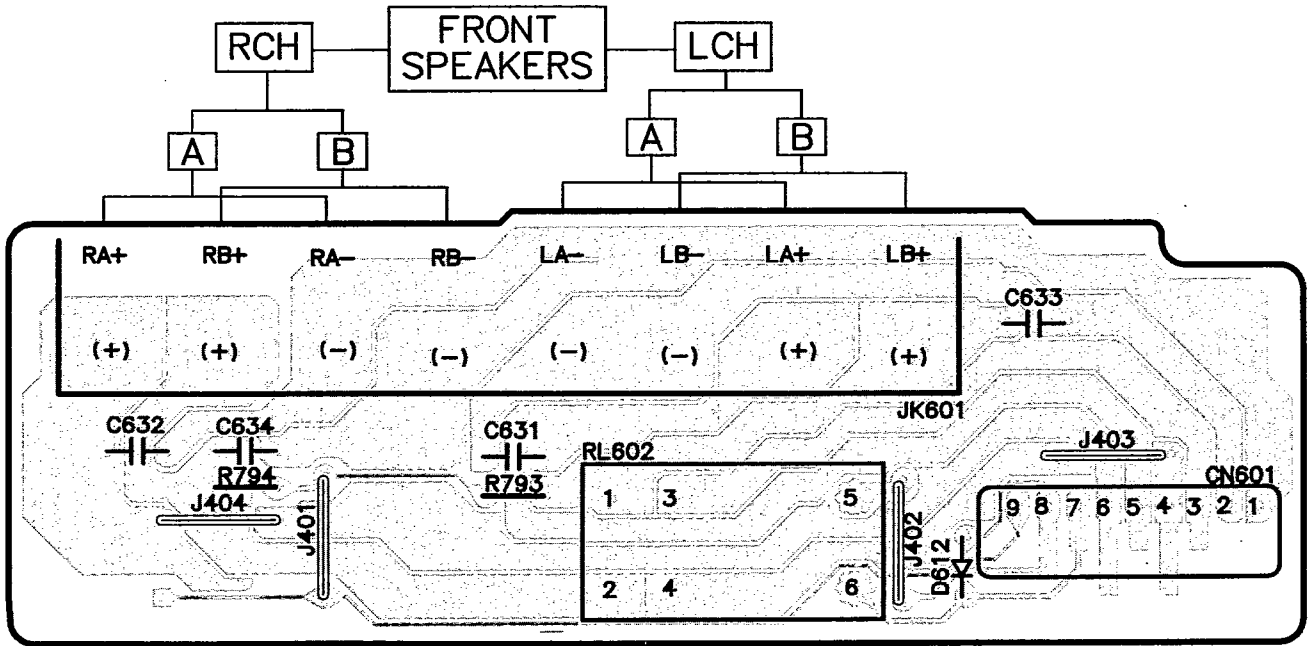
**L** VIDEO SELECTOR P.C.B. (REP2678B-P) ... E/EG  
(REP2678C-P) ... EB



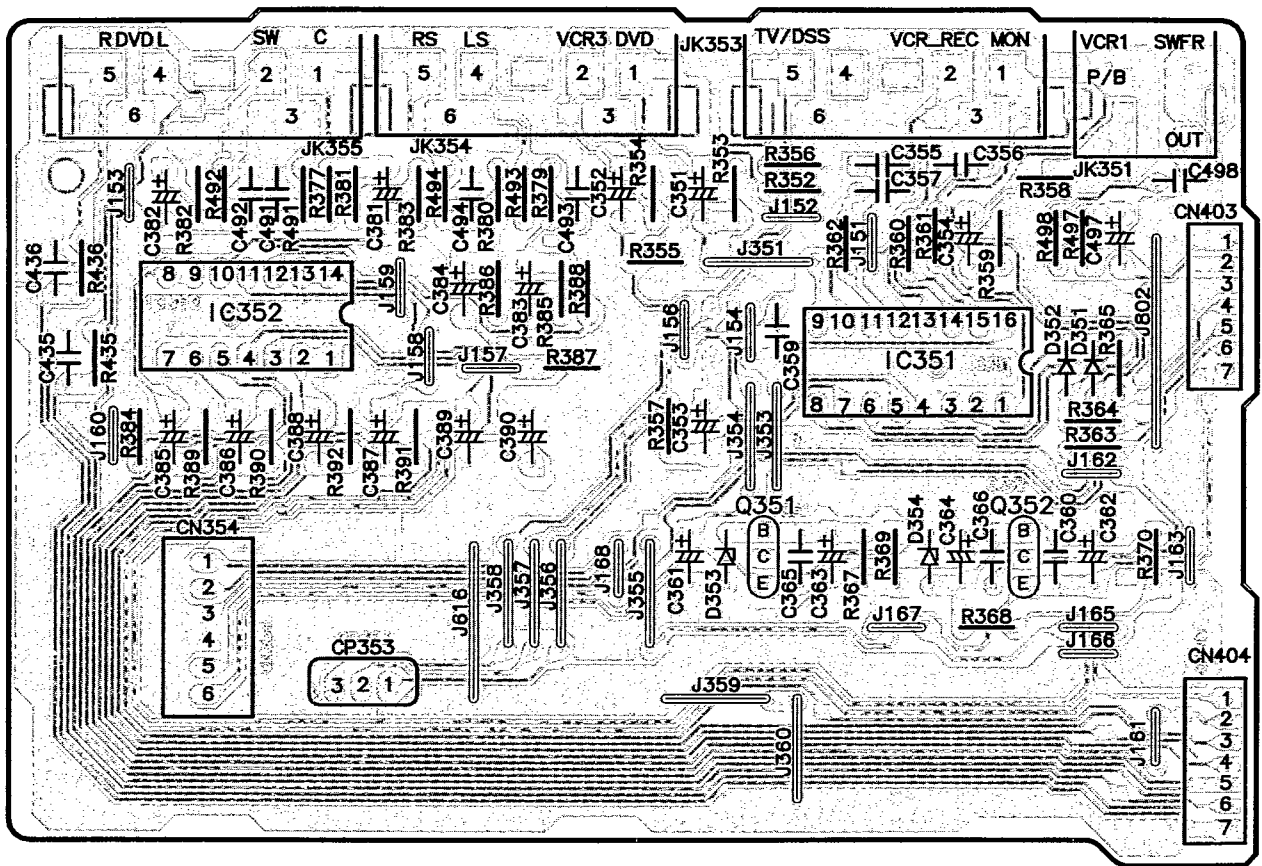
**M** VCR2 P.C.B. (REP2677B-S)



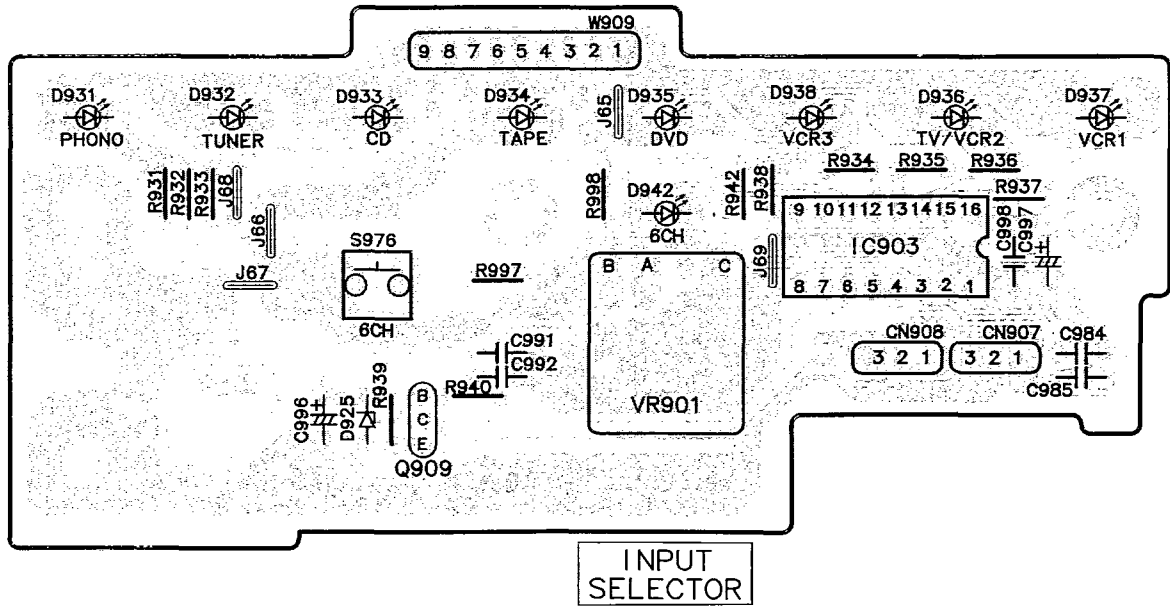
### N FRONT SPEAKER P.C.B. (REP2678B-P) ... E/EG (REP2678C-P) ... EB



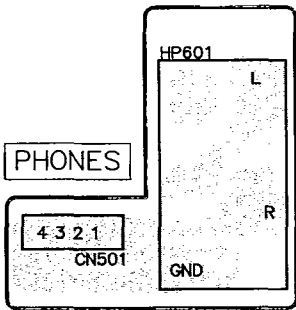
### I AC-3 P.C.B. (REP2678B-P) ... E/EG (REP2678C-P) ... EB



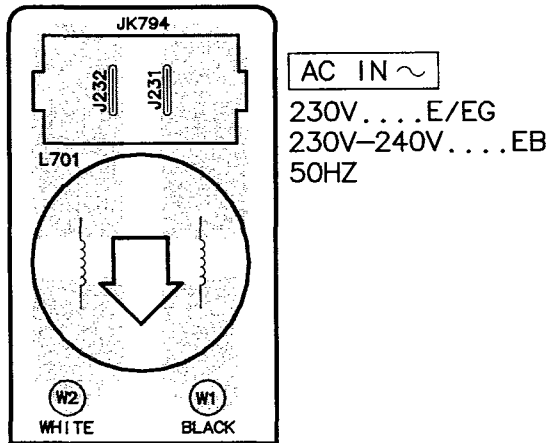
**P** INPUT SELECTOR P.C.B. (REP2677B-S)



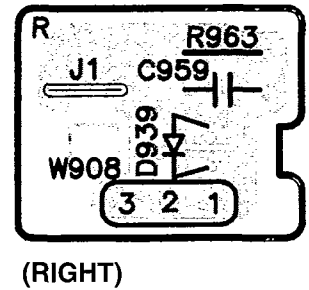
**O** HEADPHONE JACK P.C.B. (REP2677B-S)



**H** AC IN/OUT P.C.B. (REP2678B-P) ... E/EG (REP2678C-P) ... EB

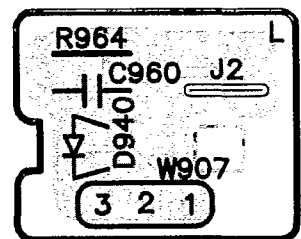


**Q** BLUE LED P.C.B. (REP2709B-S)



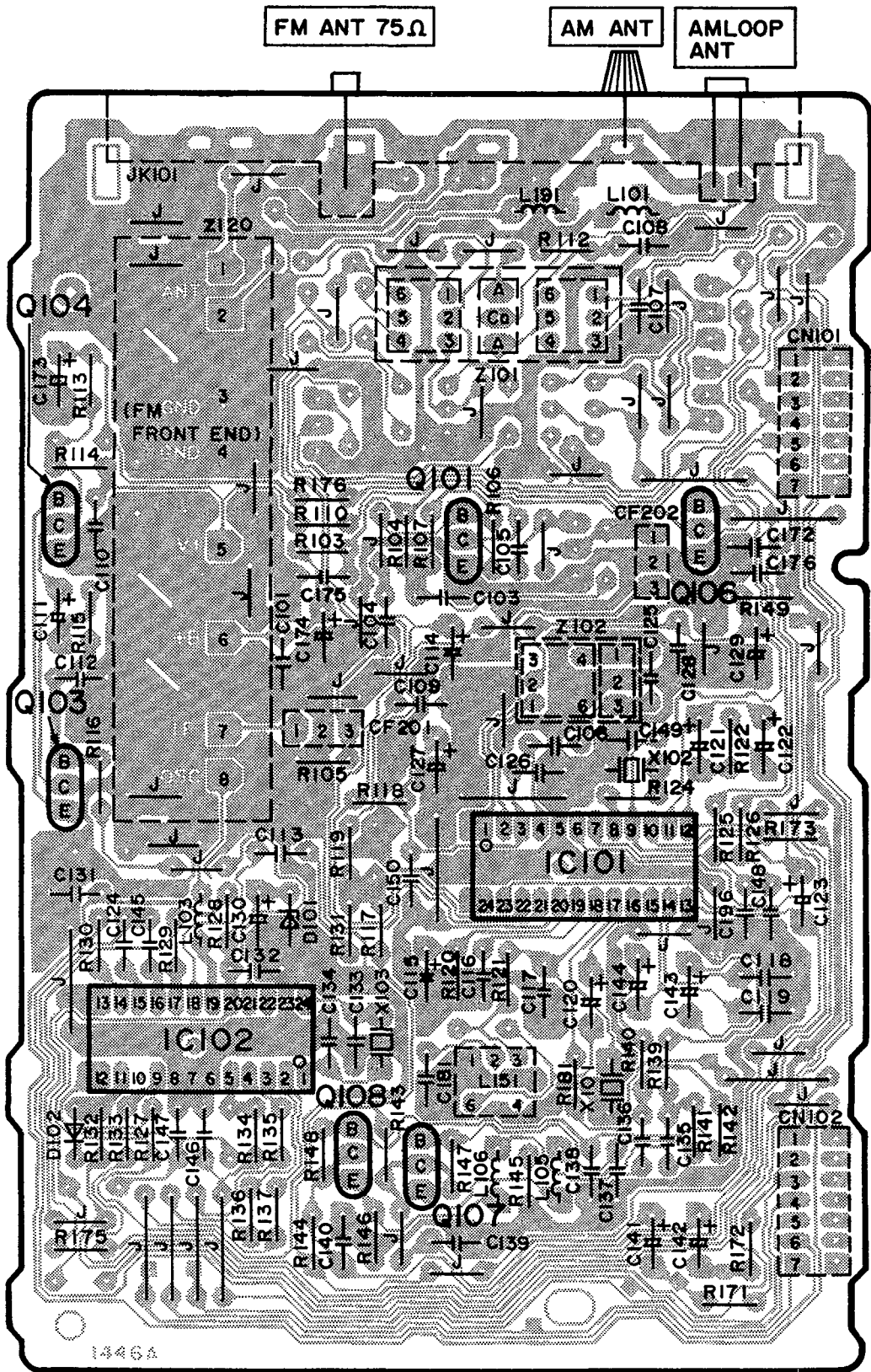
(RIGHT)

(LEFT)

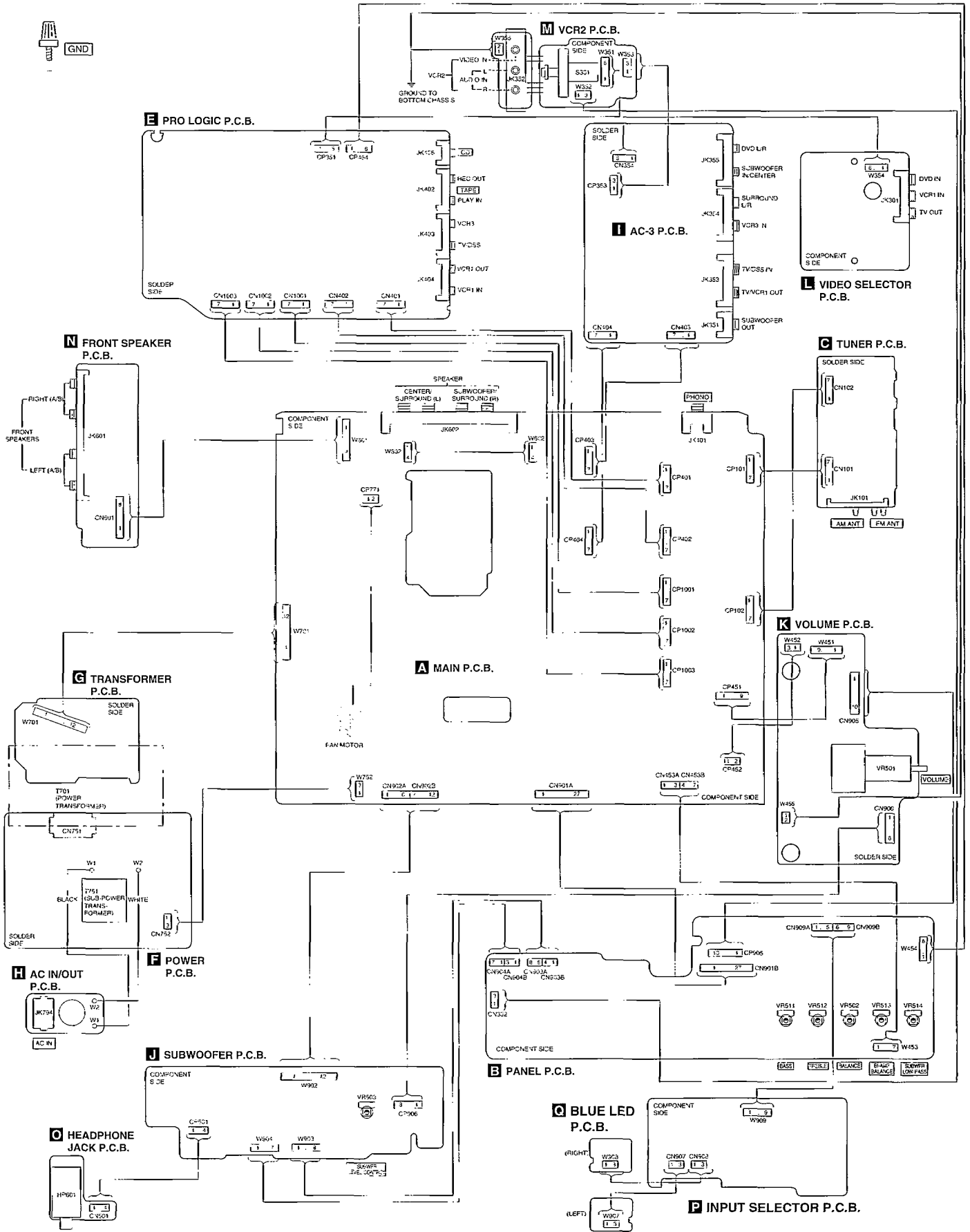




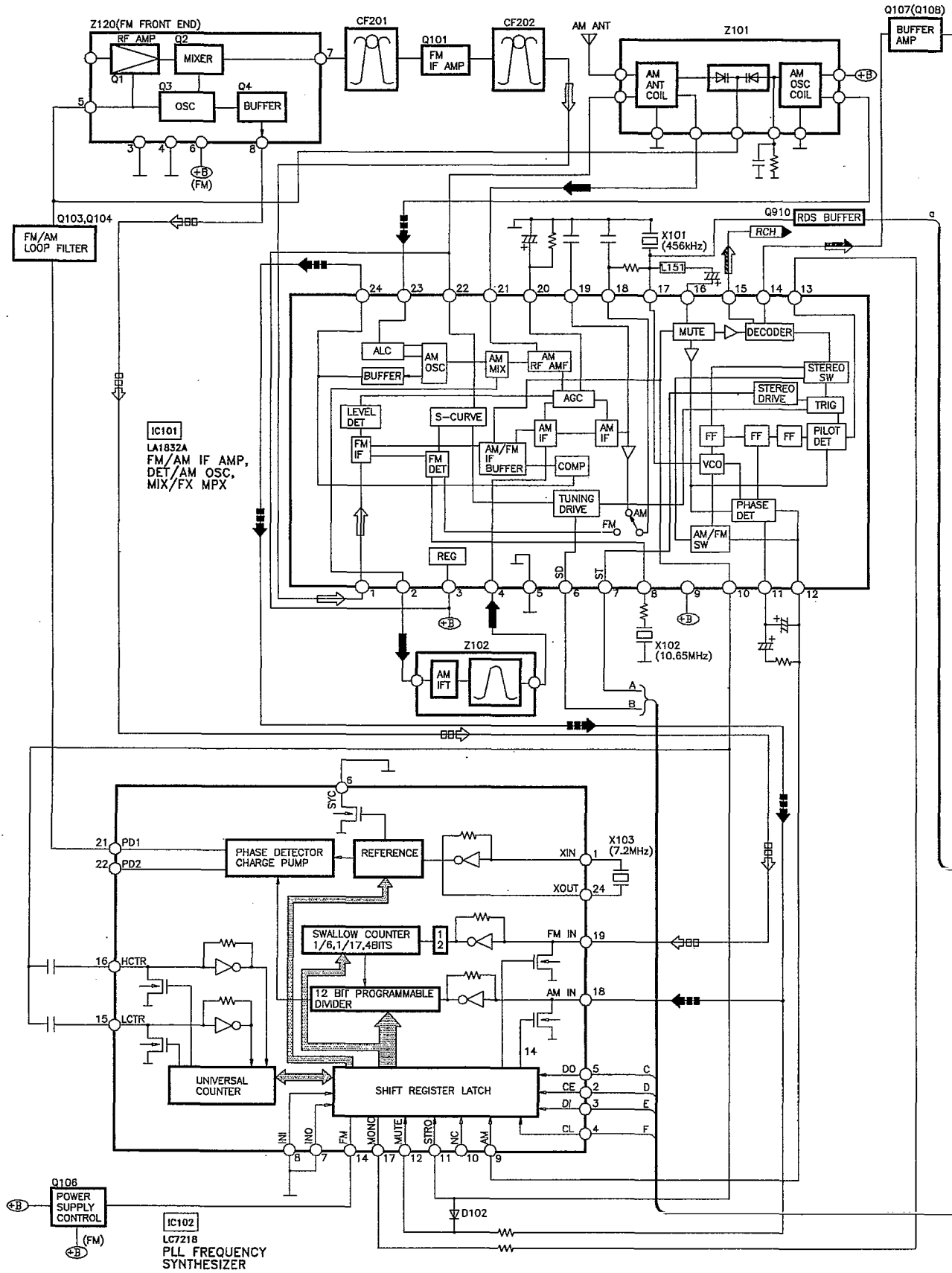
**C** TUNER P.C.B. (REP2254C-T)

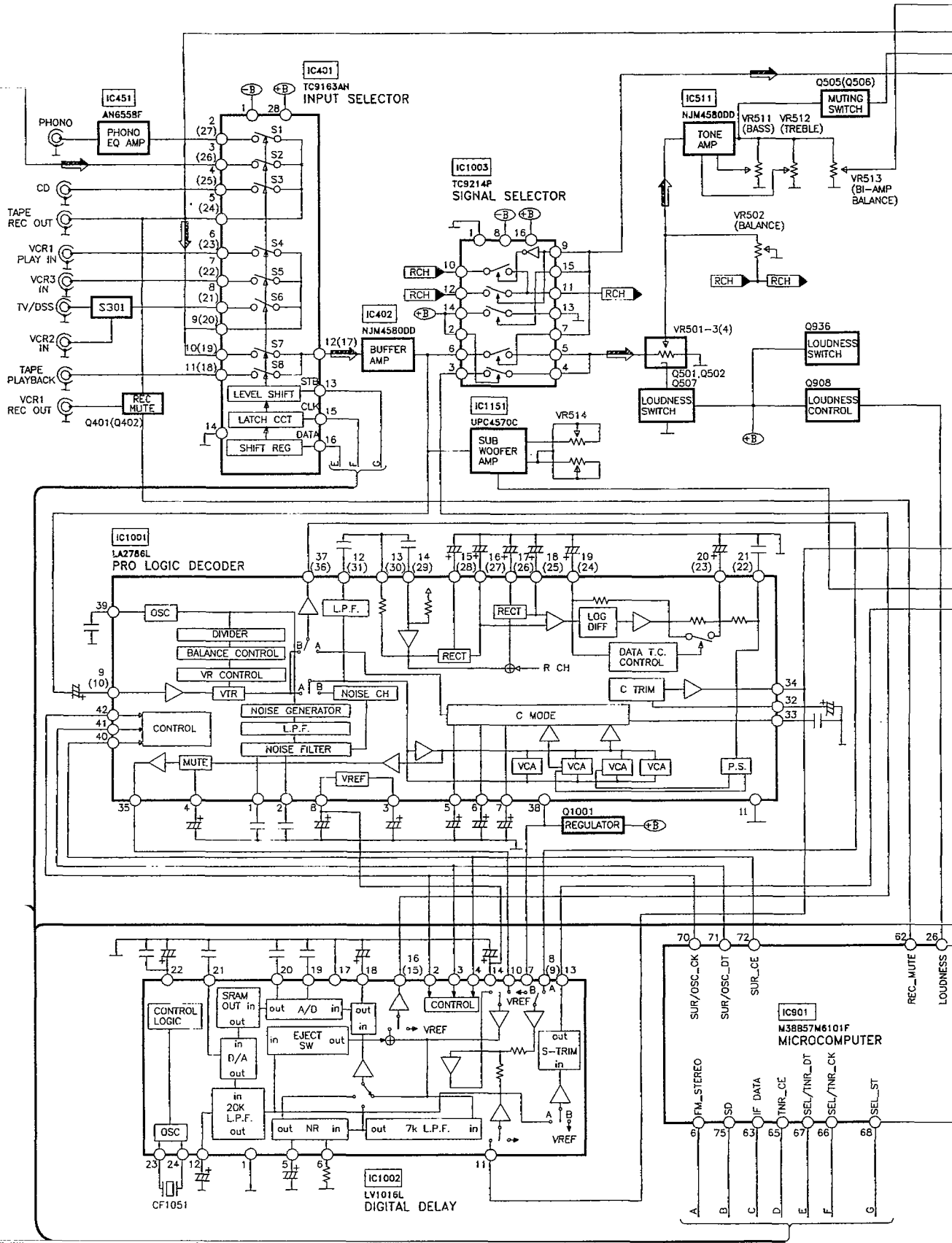


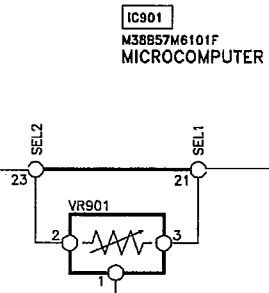
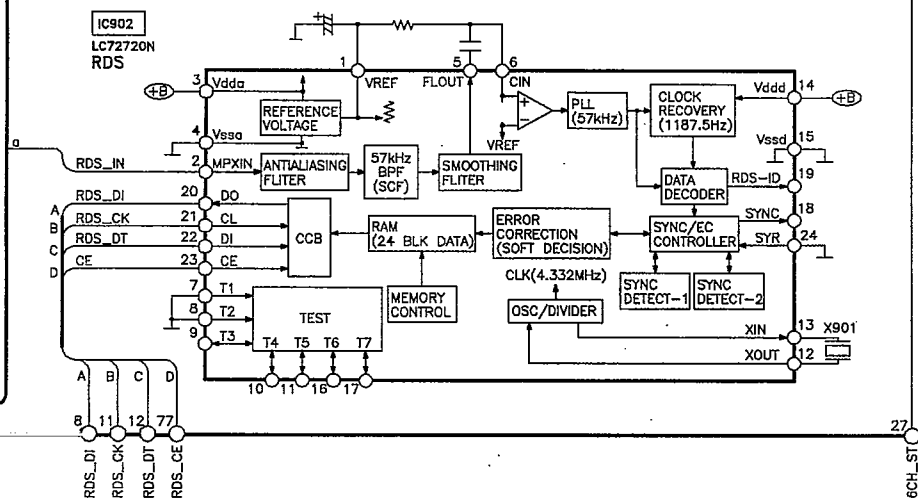
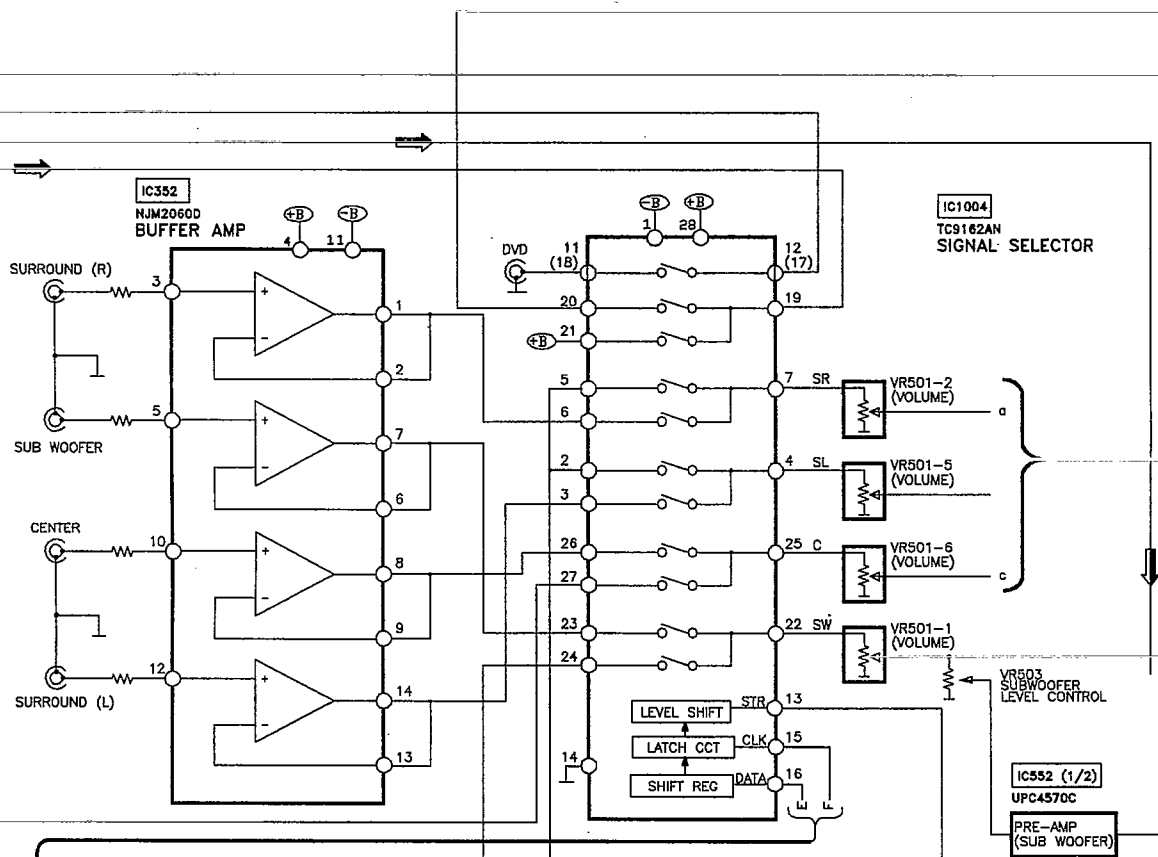
# Wiring Connection Diagram

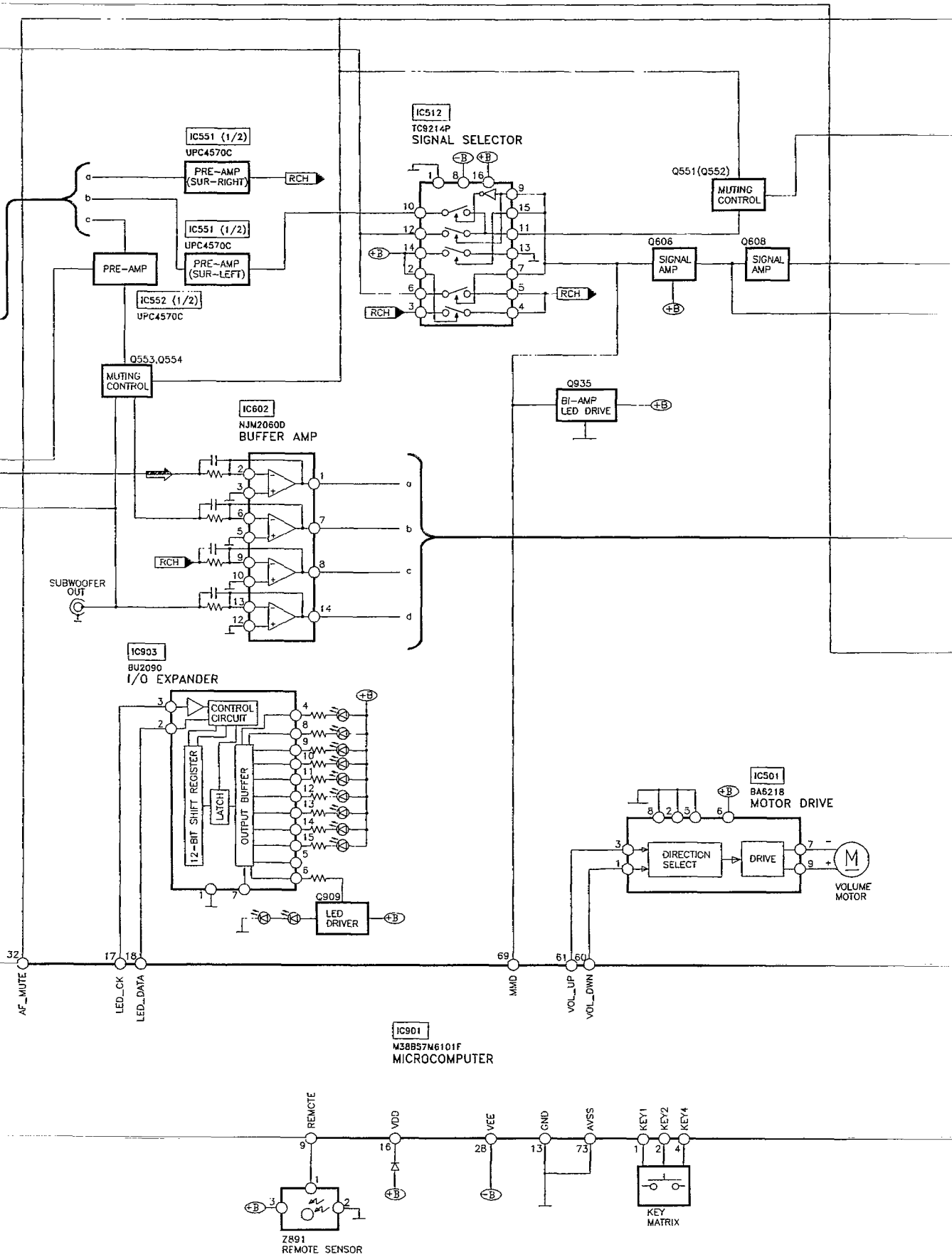


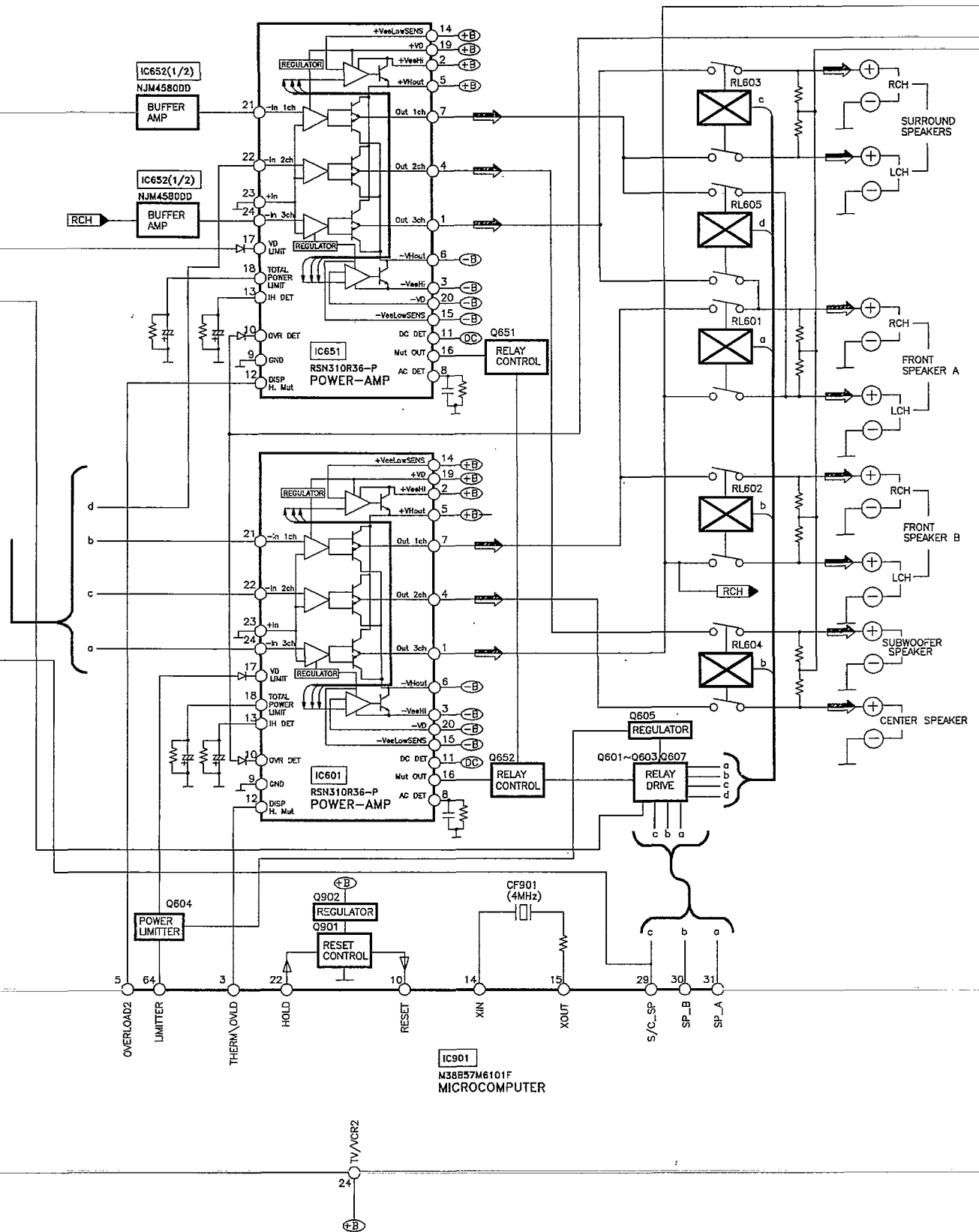
# Block Diagram

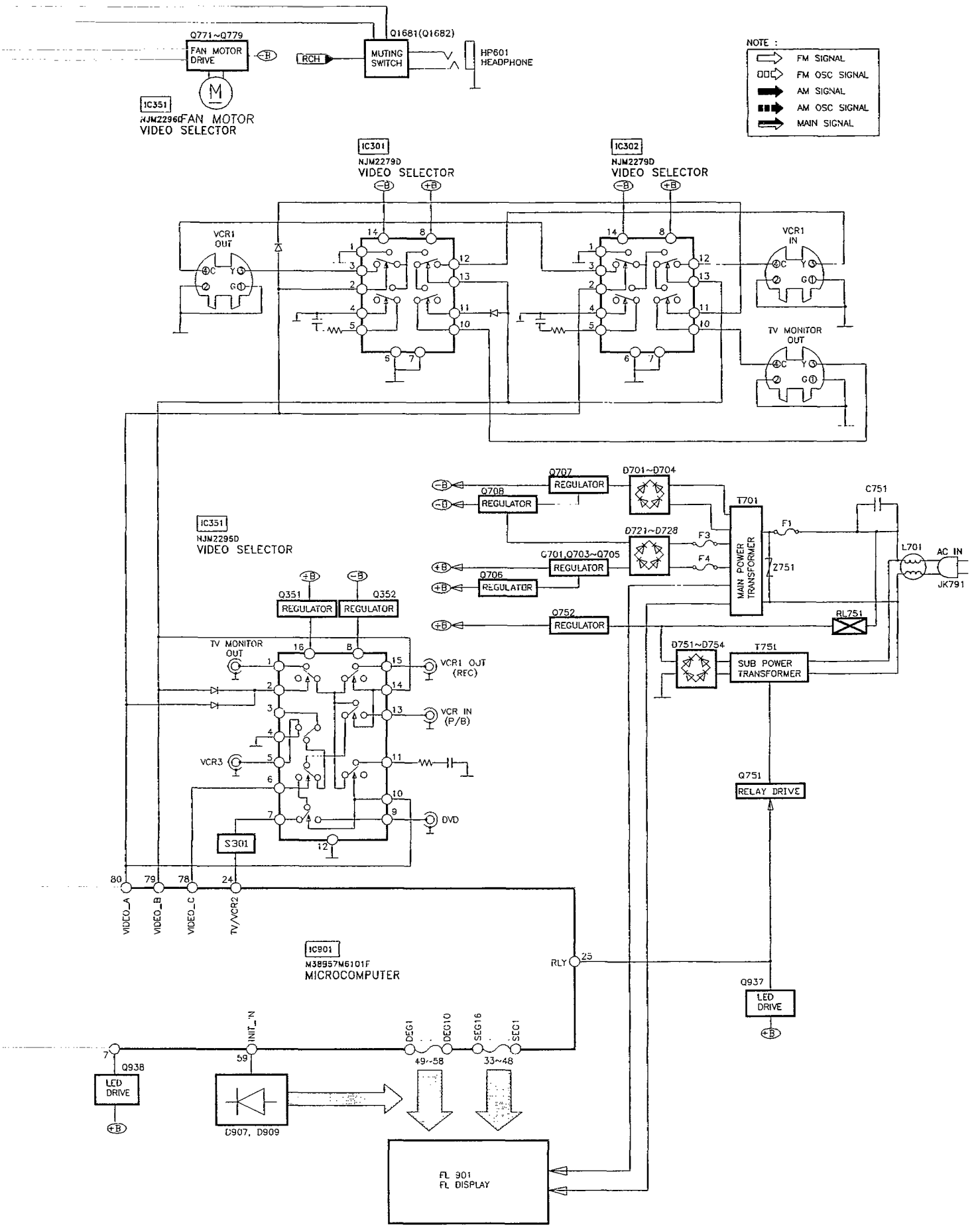






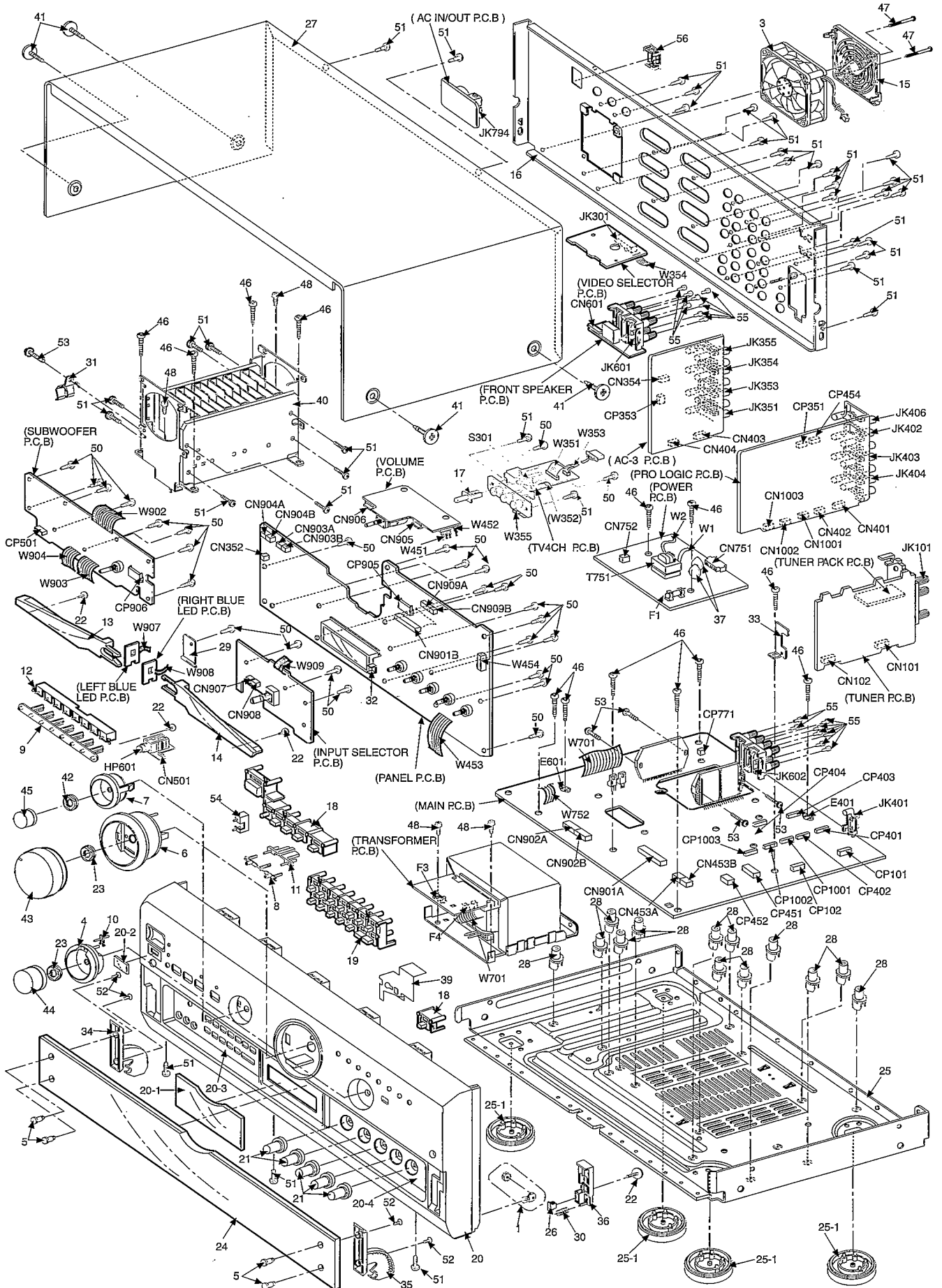









Cabinet Parts Location



## ■ Replacement Parts List

**Notes:** \* Important safety notice :






 Components identified by  mark have special characteristics important for safety.

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

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

Parts without these indication can be used for all areas.

\* [M] in Remarks column indicates parts that are supplied by MESA.

RefNo	PartNo.	PartName & Description	Remarks	RefNo.	PartNo.	PartName & Description	Remarks	RefNo.	PartNo.	PartName & Description	Remarks
		<b>CABINET AND CHASSIS</b>		33	RMQ0709	TUNER PCB BRACKET	[M]	IC601	RSN310R36-P	IC, HIC	[M] 
				34	RMQ0800	DOOR ARM (L)	[M]	IC602	NJM2060D	IC, OP AMP	[M]
1	RDG0438	GEAR	[M]	35	RMQ0801	DOOR ARM (R)	[M]	IC651	RSN310R36-P	IC, HIC	[M] 
3	REM0080	FAN UNIT	[M]	36	RMR1172-K	OPEN PLATE	[M]	IC652	NJM4580DD	IC, OP AMP	[M]
4	RGK0994-N	SELECTOR RING	[M]	37	RMZ0339	ZNR COVER	[M]	IC901	M38B57M6101F	IC, MICROCOMPUTER	[M]
5	RGK1025-K	DOOR NUT	[M]	39	RSC0518	SHIELD SHEET	[M]	IC902	LC72720N	IC, RDS	[M]
6	RGK1026-S	VOLUME RING	[M]	40	RXX0194	HEAT SINK UNIT	[M]	IC903	BU2090	IC, EXPANDER	[M]
7	RGK1027-S	SUBWOOFER RING	[M]	41	SNE2129-1	SCREW (CABINET)	[M]	IC1001	LA2786L	IC, DPL	[M]
8	RGK1028A-S	MMD RING	[M]	42	SNE4021-1	M8 NUT	[M]	IC1002	LV1016L	IC, SURR DECODER	[M]
9	RGK1028-S	LIGHT RING	[M]	43	RGW0286-K	VOLUME KNOB UNIT	[M]	IC1003	TC9214P	IC, SELECTOR	[M]
10	RGL0411B-Q	SELECTOR GUIDE	[M]	44	RGW0287-K	SELECTOR KNOB UNIT	[M]	IC1004	TC9162AN	IC, SELECTOR	[M]
11	RGL0411C-Q	SPEAKER GUIDE	[M]	45	RGW0288-K	SUBWOOFER KNOB UNIT	[M]	IC1151	UPC4570C	IC, TONE CONTROL	[M]
12	RGL0411-Q	LIGHT GUIDE	[M]	46	XTB3+20JFZ	SCREW	[M]			<b>TRANSISTORS</b>	
13	RGL0412-Q	DOOR LIGHT (L)	[M]	47	XTB3+35JFZ	SCREW (FAN)	[M]				
14	RGL0413-Q	DOOR LIGHT (R)	[M]	48	XTB3+8FFZ	SCREW	[M]	Q101	2SC2787LTA	TRANSISTOR	[M]
15	RGQ0231-K	FAN COVER	[M]	50	XTBS26+10J	SCREW	[M]	Q103	2SC2785FETA	TRANSISTOR	[M]
16	RGR0268B-A	REAR PANEL	[M] EG E	51	XTBS3+8JFZ1	SCREW	[M]	Q104	2SC2785FETA	TRANSISTOR	[M]
16	RGR0268B-B	REAR PANEL	[M] EB	52	XTS26+8JFZ	SCREW	[M]	Q106	RVTDTA143XST	TRANSISTOR	[M]
17	RGU1390-K	VCR2 BUTTON	[M]	53	XTW3+15T	SCREW	[M]	Q107	2SC3311ARTA	TRANSISTOR	[M]
18	RGU1642-K	SPEAKER BUTTON	[M]	54	RGL0411A-Q	STANDBY GUIDE	[M]	Q108	2SC3311ARTA	TRANSISTOR	[M]
19	RGU1643-S	MODE BUTTON	[M]	55	RMR1165-K	SPEAKER COVER	[M]	Q351	2SC3940AQSTA	TRANSISTOR	[M] 
20	RFKGAAX6EBK	FRONT PANEL ASS'Y	[M]	56	SJS9231A	A/C INLET COVER	[M]	Q352	2SA1534AQRTA	TRANSISTOR	[M] 
20-1	RKW0541-Q	FL WINDOW	[M]			<b>INTEGRATED CIRCUITS</b>		Q401	2SK381CTA	TRANSISTOR	[M]
20-2	RKW0273-K	SENSOR WINDOW	[M]					Q402	2SK381CTA	TRANSISTOR	[M]
20-3	RGH0148-K	DOOR SHEET (L)	[M]	IC101	LA1832A	IC, IF/MPX	[M]	Q501	2SJ40CTA	TRANSISTOR	[M]
20-4	RGH0149-K	DOOR SHEET (R)	[M]	IC102	LC7218	IC, PLL	[M]	Q502	2SJ40CTA	TRANSISTOR	[M]
21	RGW0285-S	TONE KNOB	[M]	IC301	NJM2279D	IC, VIDEO SELECTOR S	[M]	Q505	2SD1915FTA	TRANSISTOR	[M]
22	RHD26016	SCREW	[M]	IC302	NJM2279D	IC, VIDEO SELECTOR S	[M]	Q506	2SD1915FTA	TRANSISTOR	[M]
23	RHN90001	M8 NUT	[M]	IC351	NJM2296D	IC, VIDEO SELECTOR	[M]	Q507	2SJ40CTA	TRANSISTOR	[M]
24	RKF0558-Q	DOOR	[M]	IC352	NJM2060D	IC, OP AMP	[M]	Q551	2SD1915FTA	TRANSISTOR	[M]
25	RFKJAAAX6PPK	BOTTOM CHASSIS ASS'Y	[M]	IC401	TC9163AN	IC, SELECTOR	[M]	Q552	2SD1915FTA	TRANSISTOR	[M]
25-1	RKA0079-A	FOOT	[M]	IC402	NJM4580DD	IC, OP AMP	[M]	Q553	2SD1915FTA	TRANSISTOR	[M]
26	RKG0009	MAGNET	[M]	IC451	AN6558F	IC, OP AMP	[M]	Q554	2SD1915FTA	TRANSISTOR	[M]
27	RKM0373A-K	TOP CABINET	[M]	IC501	BA6218	IC, MOTOR DRIVER	[M]	Q601	RVTDTA143XST	TRANSISTOR	[M]
28	RKQ0089-J	PCB HOLDER	[M]	IC511	NJM4580DD	IC, OP AMP	[M]	Q602	RVTDTA143XST	TRANSISTOR	[M]
29	RMA1149	GUIDE ANGLE	[M]	IC512	TC9214P	IC, SELECTOR	[M]	Q603	RVTDTA143XST	TRANSISTOR	[M]
30	RMB0581	OPEN SPRING	[M]	IC551	UPC4570C	IC, TONE CONTROL	[M]	Q604	RVTDTA114EST	TRANSISTOR	[M]
31	RMC0158-S	TRANSISTOR HOLDER	[M]	IC552	UPC4570C	IC, TONE CONTROL	[M]	Q605	RVTDTA114EST	TRANSISTOR	[M] 
32	RMN0483	FL HOLDER	[M]								

RefNo.	PartNo.	Part Name & Description	Remarks	RefNo.	PartNo.	Part Name & Description	Remarks	RefNo.	PartNo.	Part Name & Description	Remarks
Q606	RVTDTA114EST	TRANSISTOR	[M]	D404	RVD1SS133TA	DIODE	[M]	D901	1SS291TA	DIODE	[M]
Q607	RVTDTA143XST	TRANSISTOR	[M]	D551	RVD1SS133TA	DIODE	[M]	D903	MTZJ4R7BTA	DIODE	[M]
Q608	RVTDTA114EST	TRANSISTOR	[M]	D552	RVD1SS133TA	DIODE	[M]	D907	MA167ATA	DIODE	[M]
Q651	RVTDTA143XST	TRANSISTOR	[M]	D601	RK306LFU1	DIODE	[M]	D909	MA167ATA	DIODE	[M]
Q652	RVTDTA143XST	TRANSISTOR	[M]	D602	RK306LFU1	DIODE	[M]	D921	RVD1SS133TA	DIODE	[M]
Q701	2SD2374PQAU	TRANSISTOR	[M] △	D605	RVD1SS133TA	DIODE	[M]	D922	RVD1SS133TA	DIODE	[M]
Q703	2SC1740SQSTA	TRANSISTOR	[M] △	D611	RVD1SS133TA	DIODE	[M]	D923	RVD1SS133TA	DIODE	[M]
Q704	2SC1740SQSTA	TRANSISTOR	[M] △	D612	RVD1SS133TA	DIODE	[M]	D924	MTZJ3R9ATA	DIODE	[M] △
Q705	2SC1740SQSTA	TRANSISTOR	[M] △	D613	RVD1SS133TA	DIODE	[M]	D925	MTZJ3R0BTA	DIODE	[M]
Q706	2SC3940AQSTA	TRANSISTOR	[M] △	D614	RVD1SS133TA	DIODE	[M]	D926	SLR325VCT31	DIODE	[M]
Q707	2SA1534AQRTA	TRANSISTOR	[M] △	D615	RVD1SS133TA	DIODE	[M]	D927	RVD1SS133TA	DIODE	[M]
Q708	2SB1548PQAU	TRANSISTOR	[M] △	D616	RVD1SS133TA	DIODE	[M]	D928	SLR325YCT31	DIODE	[M]
Q751	RVTDC143XST	TRANSISTOR	[M]	D617	RVD1SS133TA	DIODE	[M]	D929	SLR325VCT31	DIODE	[M]
Q752	2SC3940AQSTA	TRANSISTOR	[M] △	D618	MTZJ8R2CTA	DIODE	[M] △	D930	SLR325VCT31	DIODE	[M]
Q771	2SA933SQRSTA	TRANSISTOR	[M]	D619	RVD1SS133TA	DIODE	[M]	D931	SLR325VCT31	DIODE	[M]
Q772	2SC1740SQSTA	TRANSISTOR	[M]	D620	MTZJ10CTA	DIODE	[M]	D932	SLR325VCT31	DIODE	[M]
Q773	2SB621AQSTA	TRANSISTOR	[M]	D651	RK306LFU1	DIODE	[M]	D933	SLR325VCT31	DIODE	[M]
Q774	2SA933SQRSTA	TRANSISTOR	[M]	D652	RK306LFU1	DIODE	[M]	D934	SLR325VCT31	DIODE	[M]
Q775	RVTDTA114EST	TRANSISTOR	[M]	D655	RVD1SS133TA	DIODE	[M]	D935	SLR325VCT31	DIODE	[M]
Q776	2SC1740SQSTA	TRANSISTOR	[M]	D667	RVD1SS133TA	DIODE	[M]	D936	SLR325VCT31	DIODE	[M]
Q777	2SA933SQRSTA	TRANSISTOR	[M]	D668	MTZJ8R2CTA	DIODE	[M]	D937	SLR325VCT31	DIODE	[M]
Q778	2SA933SQRSTA	TRANSISTOR	[M]	D701	1N5402BM21	DIODE	[M] △	D938	SLR325VCT31	DIODE	[M]
Q779	2SA933SQRSTA	TRANSISTOR	[M]	D702	1N5402BM21	DIODE	[M] △	D939	LNG995PFB0A1	DIODE	[M]
Q901	RVTDC114YST	TRANSISTOR	[M]	D703	1N5402BM21	DIODE	[M] △	D940	LNG995PFB0A1	DIODE	[M]
Q902	2SA933SSTA	TRANSISTOR	[M] △	D704	1N5402BM21	DIODE	[M] △	D942	SLR325MCT31	DIODE	[M]
Q908	RVTDC114YST	TRANSISTOR	[M]	D705	MTZJ6R2BTA	DIODE	[M] △	D1001	MTZJ10CTA	DIODE	[M] △
Q909	2SA933SSTA	TRANSISTOR	[M]	D707	MTZJ30DTA	DIODE	[M] △	D1002	MA700ATA	DIODE	[M]
Q910	2SC1740SQSTA	TRANSISTOR	[M]	D708	MTZJ15CTA	DIODE	[M] △				
Q935	RVTDC114YST	TRANSISTOR	[M]	D721	1N5402BM21	DIODE	[M] △			<b>VARIABLE RESISTORS</b>	
Q936	RVTDC114YST	TRANSISTOR	[M]	D722	1N5402BM21	DIODE	[M] △				
Q937	2SA933SSTA	TRANSISTOR	[M]	D723	1N5402BM21	DIODE	[M] △	VR501	EUWM6A026B15	MOTOR VOLUME	[M]
Q938	RVTDC114YST	TRANSISTOR	[M]	D724	1N5402BM21	DIODE	[M] △	VR502	EWCOYA016G15	VR, BALANCE	[M]
Q1001	2SC3940AQSTA	TRANSISTOR	[M] △	D725	1N5402BM21	DIODE	[M] △	VR503	EWCV9A025A15	VR, SUBWOOFER	[M]
Q1681	2SD1915FTA	TRANSISTOR	[M]	D726	1N5402BM21	DIODE	[M] △	VR511	EWCIXA016C15	VR, TONE CONTROL	[M]
Q1682	2SD1915FTA	TRANSISTOR	[M]	D727	1N5402BM21	DIODE	[M] △	VR512	EWCIXA016C15	VR, TONE CONTROL	[M]
				D728	1N5402BM21	DIODE	[M] △	VR513	EWCIXA016B14	VR, BI-AMP BALANCE	[M]
		<b>DIODES</b>		D751	1SR35200TB	DIODE	[M] △	VR514	EWCC2SA016B54	VR, SW CUTOFF	[M]
				D752	1SR35200TB	DIODE	[M] △	VR901	EVQVBHFK112B	VR, BALANCE CONTROL	[M]
D101	MTZJ5R1BTA	DIODE	[M] △	D753	1SR35200TB	DIODE	[M] △				
D102	MA165TA	DIODE	[M]	D754	1SR35200TB	DIODE	[M] △			<b>SWITCHES</b>	
D301	RVD1SS133TA	DIODE	[M]	D755	RVD1SS133TA	DIODE	[M] △				
D302	RVD1SS133TA	DIODE	[M]	D756	MTZJ6R8BTA	DIODE	[M] △	S301	RSP2D009-J	SW	[M]
D351	RVD1SS133TA	DIODE	[M]	D771	MA700ATA	DIODE	[M]	S946	EVQ21405R	SW, POWER	[M]
D352	RVD1SS133TA	DIODE	[M]	D772	MA700ATA	DIODE	[M]	S951	EVQ21405R	SW, FM BAND	[M]
D353	MTZJ5R6BTA	DIODE	[M] △	D773	MTZJ10CTA	DIODE	[M]	S952	EVQ21405R	SW, TUNER DOWN	[M]
D354	MTZJ5R6BTA	DIODE	[M] △	D774	RVD1SS133TA	DIODE	[M]	S953	EVQ21405R	SW, TUNER UP	[M]
D401	MTZJ7R5CTA	DIODE	[M] △	D781	MA700ATA	DIODE	[M]	S955	EVQ21405R	SW, MEMORY	[M]
D403	RVD1SS133TA	DIODE	[M]	D782	MA700ATA	DIODE	[M]	S956	EVQ21405R	SW, PRESET	[M]

RefNo.	PartNo.	PartName & Description	Remarks	RefNo	PartNo.	Part Name & Description	Remarks	RefNo.	PartNo.	Part Name & Description	Remarks
S958	EVQ21405R	SW. TUNER (HELP)	[M]	CN103	RJU100W07	7P CONNECTOR	[M]	Z120	ENV17290G1R	FM TUNER PACK	[M]
S970	EVQ21405R	SW. SEARCH	[M]	CP101	RJT057W007-1	7P CONNECTOR	[M]	Z751	ERZV10V511CS	ZNR	[M]
S971	EVQ21405R	SW. EON	[M]	CP102	RJT057W007-1	7P CONNECTOR	[M]	Z891	RCD12042TE	REMOTE SENSOR	[M]
S972	EVQ21405R	SW. PTY +	[M]	CP351	RJP5G9YA	5P CONNECTOR	[M]				
S973	EVQ21405R	SW. PTY-	[M]	CP353	RJP3G9YA	CONNECTOR	[M]			CERAMIC FILTERS	
S974	EVQ21405R	SW. DISP.MODE	[M]	CP401	RJT100W07	7P CONNECTOR	[M]				
S976	EVQ21405R	SW. 6CH	[M]	CP402	RJT100W07	7P CONNECTOR	[M]	CF201	RLFFETNGD01L	CERAMIC CAPACITOR	[M]
S980	EVQ21405R	SW. SP_A	[M]	CP403	RJT100W07	7P CONNECTOR	[M]	CF202	RLFFETMGD01L	CERAMIC FILTER	[M]
S981	EVQ21405R	SW. SP_B	[M]	CP404	RJT100W07	7P CONNECTOR	[M]	CF901	RVCBST4R00MT	CERAMIC OSCILLATOR	[M]
S982	EVQ21405R	SW. LOUD	[M]	CP451	RJP9G4YA	CONNECTOR	[M]	CF1051	EF0EC8004T4	CERAMIC OSCILLATOR	[M]
S983	EVQ21405R	SW. S OFF/ON	[M]	CP452	SJT3213	CONNECTOR (FAN)	[M]				
S984	EVQ21405R	SW. DPL MODE	[M]	CP454	RJP6G9YA	6P CONNECTOR	[M]			RELAYS	
S985	EVQ21405R	SW. C.MODE	[M]	CP501	RJT100W04	4P CONNECTOR	[M]				
S986	EVQ21405R	SW. DELAY	[M]	CP771	SJT3213	FAN CONNECTOR	[M]	RL601	RSY0038-C	RELAY	[M]
S988	EVQ21405R	SW. BI-WIRE	[M]	CP905	RJT003K010M1	10P CONNECTOR	[M]	RL602	RSY0038-C	RELAY	[M]
				CP906	RJT003K008M1	8P CONNECTOR	[M]	RL603	RSY0038-C	RELAY	[M]
		CONNECTORS		CP1031	RJT100W07	7P CONNECTOR	[M]	RL604	RSY0038-C	RELAY	[M]
				CP1002	RJT100W07	7P CONNECTOR	[M]	RL605	RSY0038-C	RELAY	[M]
CN101	RJU057W007	7P CONNECTOR	[M]	CP1003	RJT100W07	7P CONNECTOR	[M]	RL751	RSY0019M-0	12V TV-5 RELAY	[M]
CN102	RJU057W007	7P CONNECTOR	[M]								
CN352	RJS1A6603T1	3P TAPING CONNECTOR	[M]			COILS & TRANSFORMERS				OSCILLATORS	
CN354	RJS1A6603T1	6P STAPING CONNECTOR	[M]								
CN401	RJU100W07	7P CONNECTOR	[M]	L101	ELESN1R0MA	CHOKE COIL	[M]	X101	RSXZ456KM07M	CERAMIC OSCILLATOR	[M]
CN402	RJU100W07	7P CONNECTOR	[M]	L105	RLQZB822KT-D	TAPING COIL	[M]	X102	RLFDDGTD01I	FM RESONATOR	[M]
CN403	RJU100W07	7P CONNECTOR	[M]	L106	RLQZB822KT-D	TAPING COIL	[M]	X103	SVQ49U722T-S	CRYSTAL 7.2MHZ	[M]
CN404	RJU100W07	7P CONNECTOR	[M]	L151	SLM1B10-1M	A.B FILTER	[M]	X901	RSXC4M33S02T	CRYSTAL 4.33 MHZ	[M]
CN453A	RJS1A6604T1	4P TAPING CONNECTOR	[M]	L191	ELESNR56MA	CHOKE COIL	[M]				
CN453B	RJS1A6603T1	3P TAPING CONNECTOR	[M]	L501	RLQZP1R0KT-Y	AXIAL COIL	[M]			DISPLAY TUBE	
CN501	RJU100W04	4P CONNECTOR	[M]	L502	RLQZP1R0KT-Y	AXIAL COIL	[M]				
CN601	RJS9T6ZA	CONNECTOR	[M]	L602	RLQYR73MW-E	CHOKE COIL	[M]	FL901	RSL0256-F	FL	[M]
CN751	SJS305-1	3P CONNECTOR	[M]	L603	RLQYR73MW-E	CHOKE COIL	[M]				
CN752	RJS1A6603T1	3P TAPING CONNECTOR	[M]	L604	RLQYR73MW-E	CHOKE COIL	[M]			FUSES	
CN901A	RJS1A6827	FFC CONNECTOR	[M]	L652	RLQYR73MW-E	CHOKE COIL	[M]				
CN901B	RJS1A6227-1	FPC CONNECTOR	[M]	L653	RLQYR73MW-E	CHOKE COIL	[M]	F1	XBA2C25TB0	FUSE	[M] EB
CN902A	RJS1A6606T1	6P STAPING CONNECTOR	[M]	L654	RLQYR73MW-E	CHOKE COIL	[M]	F1	XBA2C31TB0	FUSE	[M] EG E
CN902B	RJS1A6606T1	6P STAPING CONNECTOR	[M]	L701	SLQZ650MH49	AC LINE COIL	[M]	F3	XBA2C63TB0	FUSE	[M]
CN903A	RJS1A6604T1	4P TAPING CONNECTOR	[M]	L751	RLQB101KTA-Y	CHOKE COIL	[M]	F4	XBA2C63TB0	FUSE	[M]
CN903B	RJS1A6604T1	4P TAPING CONNECTOR	[M]	L901	RLQB101KTA-Y	CHOKE COIL	[M]				
CN934A	RJS1A6603T1	3P TAPING CONNECT	[M]	L902	RLQZP101KT-Y	AXIAL COIL	[M]			FUSE HOLDERS	
CN934B	RJS1A6604T1	4P TAPING CONNECTOR	[M]	L903	RLQZP101KT-Y	AXIAL COIL	[M]				
CN905	RJU003K010M1	10P B/B CONNECTOR	[M]	L1051	RLQB101KTA-Y	CHOKE COIL	[M]	FC701	RJR0169T	FUSE HOLDER	[M]
CN906	RJU003K008M1	BOAD IN CONNECTOR	[M]	T701	RTP1Q5B004-V	POWER TRANSFORMER	[M]	FC702	RJR0169T	FUSE HOLDER	[M]
CN907	RJS1A6603T1	3P TAPING CONNECTOR	[M]	T751	RTP115E006	POWER TRANSFORMER	[M]	FC705	RJR0169T	FUSE HOLDER	[M]
CN908	RJS1A6603T1	3P TAPING CONNECTOR	[M]					FC706	RJR0169T	FUSE HOLDER	[M]
CN939A	RJS1A6606T1	6P STAPING CONNECTOR	[M]			COMPONENT COMBINATION		FC707	RJR0169T	FUSE HOLDER	[M]
CN939B	RJS1A6603T1	3P TAPING CONNECTOR	[M]					FC708	RJR0169T	FUSE HOLDER	[M]
CN1001	RJU100W07	7P CONNECTOR	[M]	Z101	RLA2Z002M-T	AM ANT. COIL	[M]				
CN1002	RJU100W07	7P CONNECTOR	[M]	Z102	RLI2Z006M-T	AM IFT	[M]				

Ref No.	Part No.	Part Name & Description	Remarks	Ref No.	Part No.	Part Name & Description	Remarks	Ref No.	Part No.	Part Name & Description	Remarks
		<b>JACKS</b>									
				W908	RWJ1803150KQ	WIRE	[M]				
				W909	RWJ1809160KQ	WIRE	[M]				
HP601	RJJ63TA01	JK, HP	[M]								
JK101	RJH4202-1	JK, ANT TERMINAL	[M]								
JK301	RJS1D1304	JK, S. TERMINAL	[M]								
JK351	RJH3210N	JK, 2P RCA PIN	[M]								
JK352	SJFK5-2A	JK, VCR	[M]								
JK353	SJF3069-12N	JK, LINE	[M]								
JK354	SJF3069-9N	JK, LINE	[M]								
JK355	SJF3069-13N	JK, LINE	[M]								
JK401	SJF3068-7N	JK, RCA TERMINAL	[M]								
JK402	SJF3069N	JK, LINE	[M]								
JK403	SJF3069N	JK, LINE	[M]								
JK404	SJF3069N	JK, LINE	[M]								
JK406	SJF3068-7N	JK, RCA TERMINAL	[M]								
JK601	RJH4802	JK, SPEAKER TERMINAL	[M]								
JK602	RJH4802	JK, SPEAKER TERMINAL	[M]								
JK794	SJS9231-1B	JK, SOCKET	[M] ⚠								
		<b>EARTH TERMINAL</b>									
E401	SNE1004-2	EARTH TERMINAL	[M]								
E601	SNE1004-2	EARTH TERMINAL	[M]								
		<b>WIRES</b>									
W1	REE0857	WIRE	[M]								
W2	REE0858	WIRE	[M]								
W3	REE0859	WIRE UNIT	[M]								
W351	REX0918	WIRE	[M]								
W352	RWJ1803100KQ	WIRE	[M]								
W353	REX0917	WIRE	[M]								
W354	RWJ1806200KQ	WIRE	[M]								
W355	REZ1127	EARTH WIRE UNIT	[M]								
W451	REX0919	WIRE	[M]								
W452	REX0920	WIRE	[M]								
W453	RWJ1807160KQ	WIRE	[M]								
W454	REX0921	WIRE	[M]								
W455	REZ1146	WIRE	[M]								
W601	RWJ1809150KQ	WIRE	[M]								
W602	RWJ1804150KK	4P WIRE	[M]								
W701	RWJ1812220CC	WIRE UNIT	[M]								
W752	RWJ1803290CQ	WIRE	[M]								
W901	REE0866	WIRE	[M]								
W902	RWJ1812300CQ	WIRE	[M]								
W903	RWJ1808170KQ	WIRE	[M]								
W904	RWJ1807170KQ	WIRE	[M]								
W907	RWJ1803150KQ	WIRE	[M]								

## Resistors & Capacitors

Notes : • Important safety notice:

Components identified by  $\triangle$  mark have special characteristics important for safety.

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

- The parenthesized in the Remarks columns specify the areas. (Refer to the cover page for area.) Parts without these indication can be used for all areas.
- [M] in Remarks column indicates parts that are supplied by MESA.
- Capacitor values are in microfarad ( $\mu$ F) unless specified otherwise, P=Pico-farads (pF) F=Farads (F)
- Resistors values are in ohms, unless specified otherwise, 1k=1,000(OHM), 1M=1,000k(OHM)

Ref No.	PartNo.	Values & Remarks	Ref No.	PartNo.	Values & Remarks	Ref No.	PartNo.	Values & Remarks	Ref No.	PartNo.	Values & Remarks
	<b>RESISTORS</b>										
R103	ERDS2TJ101T	100 1/4W [M]	R147	ERDS2TJ474T	470K 1/4W [M]	R368	ERDS2TJ182T	1.8K 1/4W [M]	R426	ERDS2TJ103T	10K 1/4W [M]
R104	ERDS2TJ102T	1K 1/4W [M]	R148	ERDS2TJ474T	470K 1/4W [M]	R369	ERD2FCVG220T	22 1/4W [M]	R427	ERDS2TJ103T	10K 1/4W [M]
R105	ERDS2TJ471T	470 1/4W [M]	R149	ERDS2TJ680T	68 1/4W [M]	R370	ERD2FCVG220T	22 1/4W [M]	R428	ERDS2TJ332T	3.3K 1/4W [M]
R106	ERDS2TJ224T	220K 1/4W [M]	R171	ERDS2TJ102T	1K 1/4W [M]	R377	ERDS2TJ273T	27K 1/4W [M]	R429	ERDS2TJ102T	1K 1/4W [M]
R107	ERDS2TJ471T	470 1/4W [M]	R172	ERDS2TJ102T	1K 1/4W [M]	R379	ERDS2TJ273T	27K 1/4W [M]	R430	ERDS2TJ102T	1K 1/4W [M]
R110	ERDS2TJ102T	1K 1/4W [M]	R173	ERDS2TJ471T	470 1/4W [M]	R380	ERDS2TJ273T	27K 1/4W [M]	R431	ERDS2TJ224T	220K 1/4W [M]
R112	ERDS2TJ104T	100K 1/4W [M]	R175	ERDS2TJ102T	1K 1/4W [M]	R381	ERDS2TJ682T	6.8K 1/4W [M]	R432	ERDS2TJ224T	220K 1/4W [M]
R113	ERDS2TJ103T	10K 1/4W [M]	R176	ERDS2TJ391T	390 1/4W [M]	R382	ERDS2TJ104T	100K 1/4W [M]	R433	ERDS2TJ102T	1K 1/4W [M]
R114	ERDS2TJ562T	5.6K 1/4W [M]	R181	ERDS2TJ332T	3.3K 1/4W [M]	R383	ERDS2TJ473T	47K 1/4W [M]	R434	ERDS2TJ102T	1K 1/4W [M]
R115	ERDS2TJ561T	560 1/4W [M]	R301	ERDS2TJ750T	75 1/4W [M]	R384	ERDS2TJ104T	100K 1/4W [M]	R435	ERDS2TJ102T	1K 1/4W [M]
R116	ERDS2TJ102T	1K 1/4W [M]	R302	ERDS2TJ104T	100K 1/4W [M]	R385	ERDS2TJ682T	6.8K 1/4W [M]	R436	ERDS2TJ102T	1K 1/4W [M]
R117	ERDS2TJ473T	47K 1/4W [M]	R303	ERDS2TJ103T	10K 1/4W [M]	R386	ERDS2TJ682T	6.8K 1/4W [M]	R437	ERDS2TJ473T	47K 1/4W [M]
R118	ERDS2TJ562T	5.6K 1/4W [M]	R304	ERDS2TJ750T	75 1/4W [M]	R387	ERDS2TJ224T	220K 1/4W [M]	R440	ERDS1FVJ560T $\triangle$	56 1/2W [M]
R119	ERDS2TJ183T	18K 1/4W [M]	R305	ERDS2TJ750T	75 1/4W [M]	R388	ERDS2TJ224T	220K 1/4W [M]	R441	ERDS2TJ473T	47K 1/4W [M]
R120	ERDS2TJ473T	47K 1/4W [M]	R306	ERDS2TJ104T	100K 1/4W [M]	R389	ERDS2TJ104T	100K 1/4W [M]	R442	ERDS2TJ473T	47K 1/4W [M]
R121	ERDS2TJ332T	3.3K 1/4W [M]	R307	ERDS2TJ103T	10K 1/4W [M]	R390	ERDS2TJ104T	100K 1/4W [M]	R443	ERDS1FVJ560T $\triangle$	56 1/2W [M]
R122	ERDS2TJ272T	2.7K 1/4W [M]	R308	ERDS2TJ750T	75 1/4W [M]	R391	ERDS2TJ104T	100K 1/4W [M]	R447	ERDS2TJ102T	1K 1/4W [M]
R124	ERDS2TJ221T	220 1/4W [M]	R309	ERDS2TJ750T	75 1/4W [M]	R392	ERDS2TJ104T	100K 1/4W [M]	R448	ERDS2TJ102T	1K 1/4W [M]
R125	ERDS2TJ472T	4.7K 1/4W [M]	R310	ERDS2TJ750T	75 1/4W [M]	R401	ERDS2TJ102T	1K 1/4W [M]	R449	ERDS2TJ102T	1K 1/4W [M]
R126	ERDS2TJ472T	4.7K 1/4W [M]	R311	ERDS2TJ750T	75 1/4W [M]	R402	ERDS2TJ102T	1K 1/4W [M]	R451	ERDS2TJ224T	220K 1/4W [M]
R127	ERDS2TJ103T	10K 1/4W [M]	R312	ERDS2TJ750T	75 1/4W [M]	R405	ERDS2TJ102T	1K 1/4W [M]	R452	ERDS2TJ224T	220K 1/4W [M]
R128	ERDS2TJ820T	82 1/4W [M]	R313	ERDS2TJ750T	75 1/4W [M]	R406	ERDS2TJ102T	1K 1/4W [M]	R453	ERDS2TJ391T	390 1/4W [M]
R129	ERDS2TJ473T	47K 1/4W [M]	R314	ERDS2TJ750T	75 1/4W [M]	R407	ERDS2TJ102T	1K 1/4W [M]	R454	ERDS2TJ391T	390 1/4W [M]
R130	ERDS2TJ102T	1K 1/4W [M]	R315	ERDS2TJ102T	1K 1/4W [M]	R408	ERDS2TJ102T	1K 1/4W [M]	R455	ERDS2TJ563T	56K 1/4W [M]
R131	ERDS2TJ102T	1K 1/4W [M]	R316	ERDS2TJ102T	1K 1/4W [M]	R409	ERDS2TJ102T	1K 1/4W [M]	R456	ERDS2TJ563T	56K 1/4W [M]
R132	ERDS2TJ103T	10K 1/4W [M]	R351	ERDS2TJ750T	75 1/4W [M]	R410	ERDS2TJ102T	1K 1/4W [M]	R457	ERDS2TJ271T	270 1/4W [M]
R133	ERDS2TJ102T	1K 1/4W [M]	R352	ERDS2TJ750T	75 1/4W [M]	R411	ERDS2TJ102T	1K 1/4W [M]	R458	ERDS2TJ271T	270 1/4W [M]
R134	ERDS2TJ102T	1K 1/4W [M]	R353	ERDS2TJ103T	10K 1/4W [M]	R412	ERDS2TJ102T	1K 1/4W [M]	R459	ERDS2TJ680T	68 1/4W [M]
R135	ERDS2TJ102T	1K 1/4W [M]	R354	ERDS2TJ750T	75 1/4W [M]	R413	ERDS2TJ102T	1K 1/4W [M]	R460	ERDS2TJ680T	68 1/4W [M]
R136	ERDS2TJ102T	1K 1/4W [M]	R355	ERDS2TJ103T	10K 1/4W [M]	R414	ERDS2TJ102T	1K 1/4W [M]	R461	ERDS2TJ184T	180K 1/4W [M]
R137	ERDS2TJ102T	1K 1/4W [M]	R356	ERDS2TJ750T	75 1/4W [M]	R415	ERDS2TJ102T	1K 1/4W [M]	R462	ERDS2TJ184T	180K 1/4W [M]
R139	ERDS2TJ272T	2.7K 1/4W [M]	R357	ERDS2TJ103T	10K 1/4W [M]	R416	ERDS2TJ102T	1K 1/4W [M]	R463	ERDS2TJ123T	12K 1/4W [M]
R140	ERDS2TJ272T	2.7K 1/4W [M]	R358	ERDS2TJ750T	75 1/4W [M]	R417	ERDS2TJ473T	47K 1/4W [M]	R464	ERDS2TJ123T	12K 1/4W [M]
R141	ERDS2TJ102T	1K 1/4W [M]	R359	ERDS2TJ103T	10K 1/4W [M]	R418	ERDS2TJ473T	47K 1/4W [M]	R465	ERDS2TJ563T	56K 1/4W [M]
R142	ERDS2TJ102T	1K 1/4W [M]	R360	ERDS2TJ750T	75 1/4W [M]	R419	ERDS2TJ104T	100K 1/4W [M]	R466	ERDS2TJ563T	56K 1/4W [M]
R143	ERDS2TJ222T	2.2K 1/4W [M]	R361	ERDS2TJ750T	75 1/4W [M]	R420	ERDS2TJ104T	100K 1/4W [M]	R469	ERDS2TJ102T	1K 1/4W [M]
R144	ERDS2TJ222T	2.2K 1/4W [M]	R362	ERDS2TJ750T	75 1/4W [M]	R421	ERDS2TJ104T	100K 1/4W [M]	R470	ERDS2TJ102T	1K 1/4W [M]
R145	ERDS2TJ821T	820 1/4W [M]	R363	ERDS2TJ102T	1K 1/4W [M]	R422	ERDS2TJ104T	100K 1/4W [M]	R473	ERDS2TJ102T	1K 1/4W [M]
R146	ERDS2TJ821T	820 1/4W [M]	R364	ERDS2TJ102T	1K 1/4W [M]	R423	ERDS2TJ102T	1K 1/4W [M]	R474	ERDS2TJ102T	1K 1/4W [M]
			R365	ERDS2TJ102T	1K 1/4W [M]	R424	ERDS2TJ102T	1K 1/4W [M]	R475	ERDS2TJ103T	10K 1/4W [M]
			R367	ERDS2TJ182T	1.8K 1/4W [M]	R425	ERDS2TJ103T	10K 1/4W [M]	R476	ERDS2TJ103T	10K 1/4W [M]

Ref No.	PartNo.	Values & Remarks	Ref No.	PartNo.	Values & Remarks	Ref No.	PartNo.	Values & Remarks	Ref No.	PartNo.	Values & Remarks
R477	ERDS2TJ103T	10K 1/4W [M]	R543	ERDS2TJ102T	1K 1/4W [M]	R604	ERDS2TJ182T	1.8K 1/4W [M]	R655	ERDS2TJ221T	220 1/4W [M]
R478	ERDS2TJ104T	100K 1/4W [M]	R544	ERDS2TJ102T	1K 1/4W [M]	R605	ERDS2TJ221T	220 1/4W [M]	R656	ERDS2TJ221T	220 1/4W [M]
R491	ERDS2TJ102T	1K 1/4W [M]	R546	ERDS2TJ223T	22K 1/4W [M]	R606	ERDS2TJ221T	220 1/4W [M]	R657	ERDS2TJ563T	56K 1/4W [M]
R492	ERDS2TJ102T	1K 1/4W [M]	R547	ERDS2TJ684T	680K 1/4W [M]	R607	ERDS2TJ563T	56K 1/4W [M]	R658	ERDS2TJ563T	56K 1/4W [M]
R493	ERDS2TJ102T	1K 1/4W [M]	R549	ERDS2TJ104T	100K 1/4W [M]	R608	ERDS2TJ563T	56K 1/4W [M]	R659	ERDS2TJ470T	47 1/4W [M]
R494	ERDS2TJ102T	1K 1/4W [M]	R550	ERDS2TJ103T	10K 1/4W [M]	R609	ERDS2TJ470T	47 1/4W [M]	R660	ERDS2TJ470T	47 1/4W [M]
R497	ERDS2TJ104T	100K 1/4W [M]	R551	ERDS2TJ102T	1K 1/4W [M]	R610	ERDS2TJ470T	47 1/4W [M]	R661	ERDS1FVJ100T $\Delta$	10 1/2W [M]
R498	ERDS2TJ102T	1K 1/4W [M]	R552	ERDS2TJ102T	1K 1/4W [M]	R611	ERDS1FVJ100T $\Delta$	10 1/2W [M]	R662	ERDS1FVJ100T $\Delta$	10 1/2W [M]
R501	ERDS2TJ222T	2.2K 1/4W [M]	R553	ERDS2TJ104T	100K 1/4W [M]	R612	ERDS1FVJ100T $\Delta$	10 1/2W [M]	R663	ERDS2TJ104T	100K 1/4W [M]
R502	ERDS2TJ222T	2.2K 1/4W [M]	R554	ERDS2TJ104T	100K 1/4W [M]	R613	ERDS2TJ222T	2.2K 1/4W [M]	R664	ERDS2TJ104T	100K 1/4W [M]
R503	ERDS2TJ103T	10K 1/4W [M]	R555	ERDS2TJ822T	8.2K 1/4W [M]	R614	ERDS2TJ222T	2.2K 1/4W [M]	R672	ERDS2TJ223T	22K 1/4W [M]
R504	ERDS2TJ103T	10K 1/4W [M]	R556	ERDS2TJ822T	8.2K 1/4W [M]	R615	ERDS2TJ681T	680 1/4W [M]	R673	ERDS2TJ223T	22K 1/4W [M]
R505	ERDS2TJ103T	10K 1/4W [M]	R557	ERDS2TJ391T	390 1/4W [M]	R616	ERD2FCVG470T	47 1/4W [M]	R674	ERD25FVJ4R7T	4.7 1/4W [M]
R506	ERDS2TJ103T	10K 1/4W [M]	R558	ERDS2TJ391T	390 1/4W [M]	R617	ERD2FCVG470T	47 1/4W [M]	R675	ERDS2TJ222T	2.2K 1/4W [M]
R507	ERDS2TJ153T	15K 1/4W [M]	R561	ERDS2TJ102T	1K 1/4W [M]	R618	ERD2FCVG470T	47 1/4W [M]	R676	ERDS2TJ222T	2.2K 1/4W [M]
R508	ERDS1FVJ2R2T $\Delta$	2.2 1/2W [M]	R562	ERDS2TJ102T	1K 1/4W [M]	R619	ERD2FCVG470T	47 1/4W [M]	R677	ERDS2TJ222T	2.2K 1/4W [M]
R509	ERDS2TJ103T	10K 1/4W [M]	R563	ERDS2TJ104T	100K 1/4W [M]	R620	ERD2FCVG470T	47 1/4W [M]	R678	ERDS2TJ222T	2.2K 1/4W [M]
R510	ERDS2TJ103T	10K 1/4W [M]	R564	ERDS2TJ104T	100K 1/4W [M]	R621	ERDS2TJ682T	6.8K 1/4W [M]	R679	ERDS2TJ102T	1K 1/4W [M]
R511	ERDS2TJ471T	470 1/4W [M]	R565	ERDS2TJ822T	8.2K 1/4W [M]	R622	ERDS2TJ682T	6.8K 1/4W [M]	R680	ERDS2TJ124T	120K 1/4W [M]
R512	ERDS2TJ471T	470 1/4W [M]	R566	ERDS2TJ154T	150K 1/4W [M]	R623	ERDS2TJ682T	6.8K 1/4W [M]	R681	ERDS2TJ154T	150K 1/4W [M]
R513	ERDS2TJ474T	470K 1/4W [M]	R567	ERDS2TJ331T	330 1/4W [M]	R624	ERD25FVJ4R7T	4.7 1/4W [M]	R682	ERDS2TJ184T	180K 1/4W [M]
R514	ERDS2TJ474T	470K 1/4W [M]	R568	ERDS2TJ102T	1K 1/4W [M]	R625	ERG1SJ101E	100 1W [M]	R683	ERDS2TJ473T	47K 1/4W [M]
R515	ERDS2TJ474T	470K 1/4W [M]	R569	ERDS2TJ333T	33K 1/4W [M]	R626	ERG1SJ101E	100 1W [M]	R684	ERDS2TJ474T	470K 1/4W [M]
R516	ERDS2TJ474T	470K 1/4W [M]	R571	ERDS2TJ223T	22K 1/4W [M]	R627	ERG1SJ101E	100 1W [M]	R685	ERDS2TJ103T	10K 1/4W [M]
R519	ERDS2TJ103T	10K 1/4W [M]	R572	ERDS2TJ223T	22K 1/4W [M]	R628	ERG1SJ101E	100 1W [M]	R686	ERDS2TJ473T	47K 1/4W [M]
R520	ERDS2TJ103T	10K 1/4W [M]	R573	ERDS2TJ223T	22K 1/4W [M]	R629	ERDS2TJ102T	1K 1/4W [M]	R687	ERDS2TJ154T	150K 1/4W [M]
R521	ERDS2TJ273T	27K 1/4W [M]	R574	ERDS2TJ223T	22K 1/4W [M]	R630	ERDS2TJ124T	120K 1/4W [M]	R688	ERDS2TJ154T	150K 1/4W [M]
R522	ERDS2TJ273T	27K 1/4W [M]	R575	ERDS2TJ223T	22K 1/4W [M]	R631	ERDS2TJ154T	150K 1/4W [M]	R689	ERDS2TJ221T	220 1/4W [M]
R523	ERDS2TJ472T	4.7K 1/4W [M]	R576	ERDS2TJ223T	22K 1/4W [M]	R632	ERDS2TJ184T	180K 1/4W [M]	R690	ERDS2TJ221T	220 1/4W [M]
R524	ERDS2TJ472T	4.7K 1/4W [M]	R577	ERDS2TJ223T	22K 1/4W [M]	R633	ERDS2TJ473T	47K 1/4W [M]	R691	ERDS2TJ472T	4.7K 1/4W [M]
R525	ERDS2TJ472T	4.7K 1/4W [M]	R578	ERDS2TJ223T	22K 1/4W [M]	R634	ERDS2TJ474T	470K 1/4W [M]	R692	ERDS2TJ182T	1.8K 1/4W [M]
R526	ERDS2TJ472T	4.7K 1/4W [M]	R579	ERDS2TJ822T	8.2K 1/4W [M]	R635	ERDS2TJ103T	10K 1/4W [M]	R693	ERDS2TJ563T	56K 1/4W [M]
R527	ERDS2TJ152T	1.5K 1/4W [M]	R580	ERDS2TJ822T	8.2K 1/4W [M]	R636	ERDS2TJ473T	47K 1/4W [M]	R694	ERDS1FVJ100T $\Delta$	10 1/2W [M]
R528	ERDS2TJ152T	1.5K 1/4W [M]	R581	ERDS2TJ223T	22K 1/4W [M]	R637	ERDS2TJ154T	150K 1/4W [M]	R695	ERDS2TJ470T	47 1/4W [M]
R529	ERDS2TJ563T	56K 1/4W [M]	R582	ERDS2TJ223T	22K 1/4W [M]	R638	ERDS2TJ154T	150K 1/4W [M]	R697	ERDS2TJ221T	220 1/4W [M]
R530	ERDS2TJ563T	56K 1/4W [M]	R583	ERDS2TJ272T	2.7K 1/4W [M]	R639	ERDS2TJ104T	100K 1/4W [M]	R698	ERDS2TJ222T	2.2K 1/4W [M]
R531	ERDS2TJ682T	6.8K 1/4W [M]	R584	ERDS2TJ272T	2.7K 1/4W [M]	R640	ERDS2TJ682T	6.8K 1/4W [M]	R699	ERDS2TJ222T	2.2K 1/4W [M]
R532	ERDS2TJ682T	6.8K 1/4W [M]	R585	ERDS2TJ473T	47K 1/4W [M]	R641	ERDS2TJ472T	4.7K 1/4W [M]	R703	ERDS1FVJ3R9T $\Delta$	3.9 1/2W [M]
R533	ERDS2TJ822T	8.2K 1/4W [M]	R586	ERDS2TJ473T	47K 1/4W [M]	R642	ERDS2TJ182T	1.8K 1/4W [M]	R704	ERDS1FVJ3R9T $\Delta$	3.9 1/2W [M]
R534	ERDS2TJ822T	8.2K 1/4W [M]	R587	ERDS2TJ102T	1K 1/4W [M]	R643	ERDS2TJ563T	56K 1/4W [M]	R705	ERDS2TJ472T	4.7K 1/4W [M]
R535	ERDS2TJ123T	12K 1/4W [M]	R588	ERDS2TJ102T	1K 1/4W [M]	R644	ERDS1FVJ100T $\Delta$	10 1/2W [M]	R706	ERDS2TJ102T	1K 1/4W [M]
R536	ERDS2TJ123T	12K 1/4W [M]	R589	ERDS2TJ223T	22K 1/4W [M]	R645	ERDS2TJ470T	47 1/4W [M]	R707	ERD25FVJ221T	220 1/4W [M]
R537	ERDS2TJ473T	47K 1/4W [M]	R590	ERDS2TJ102T	1K 1/4W [M]	R647	ERDS2TJ221T	220 1/4W [M]	R708	ERDS2TJ152T	1.5K 1/4W [M]
R538	ERDS2TJ473T	47K 1/4W [M]	R591	ERDS2TJ223T	22K 1/4W [M]	R648	ERDS2TJ122T	1.2K 1/4W [M]	R709	ERDS2TJ1R5T	1.5 1/4W [M]
R539	ERDS2TJ332T	3.3K 1/4W [M]	R592	ERDS2TJ684T	680K 1/4W [M]	R651	ERDS2TJ472T	4.7K 1/4W [M]	R710	ERDS2TJ1R5T	1.5 1/4W [M]
R540	ERDS2TJ332T	3.3K 1/4W [M]	R601	ERDS2TJ472T	4.7K 1/4W [M]	R652	ERDS2TJ472T	4.7K 1/4W [M]	R711	ERDS2TJ752T	7.5K 1/4W [M]
R541	ERDS2TJ104T	100K 1/4W [M]	R602	ERDS2TJ472T	4.7K 1/4W [M]	R653	ERDS2TJ182T	1.8K 1/4W [M]	R712	ERDS2TJ682T	6.8K 1/4W [M]
R542	ERDS2TJ104T	100K 1/4W [M]	R603	ERDS2TJ182T	1.8K 1/4W [M]	R654	ERDS2TJ182T	1.8K 1/4W [M]	R713	ERDS2TJ390T	39 1/4W [M]

Ref No	PartNo.	Values & Remarks	Ref No.	PartNo.	Values & Remarks	Ref No.	PartNo.	Values & Remarks	Ref No	PartNo.	Values & Remarks
R714	ERDS2TJ390T	39 1/4W [M]	R913	ERDS2TJ103T	10K 1/4W [M]	R970	ERDS2TJ102T	1K 1/4W [M]	R1160	ERDS2TJ104T	100K 1/4W [M]
R721	ERDS1FVJ391T	390 1/2W [M]	R915	ERDS2TJ222T	2.2K 1/4W [M]	R971	ERDS2TJ122T	1.2K 1/4W [M]	R1681	ERDS2TJ270T	27 1/4W [M]
R722	ERDS2TJ682T	6.8K 1/4W [M]	R917	ERDS2TJ103T	10K 1/4W [M]	R972	ERDS2TJ152T	1.5K 1/4W [M]	R1682	ERDS2TJ270T	27 1/4W [M]
R723	ERDS1FVJ100T	10 1/2W [M]	R918	ERDS2TJ102T	1K 1/4W [M]	R973	ERDS2TJ182T	1.8K 1/4W [M]	R1683	ERDS2TJ270T	27 1/4W [M]
R724	ERDS1FVJ100T	10 1/2W [M]	R919	ERDS2TJ102T	1K 1/4W [M]	R974	ERDS2TJ222T	2.2K 1/4W [M]	R1684	ERDS2TJ270T	27 1/4W [M]
R725	ERDS2TJ152T	1.5K 1/4W [M]	R920	ERDS2TJ271T	270 1/4W [M]	R977	ERDS2TJ102T	1K 1/4W [M]	R1685	ERDS2TJ270T	27 1/4W [M]
R726	ERD25FVJ470T	47 1/4W [M]	R921	ERDS2TJ121T	120 1/4W [M]	R978	ERDS2TJ102T	1K 1/4W [M]	R1686	ERDS2TJ270T	27 1/4W [M]
R727	ERD25FVJ470T	47 1/4W [M]	R922	ERDS2TJ472T	4.7K 1/4W [M]	R980	ERDS2TJ102T	1K 1/4W [M]	R1687	ERDS2TJ270T	27 1/4W [M]
R728	ERDS2TJ274T	270K 1/4W [M]	R924	ERDS2TJ103T	10K 1/4W [M]	R981	ERDS2TJ122T	1.2K 1/4W [M]	R1688	ERDS2TJ270T	27 1/4W [M]
R729	ERDS2TJ274T	270K 1/4W [M]	R926	ERDS2TJ181T	180 1/4W [M]	R982	ERDS2TJ152T	1.5K 1/4W [M]	R1689	ERDS2TJ270T	27 1/4W [M]
R730	ERDS1FVJ1R0T	1 1/2W [M]	R927	ERDS2TJ221T	220 1/4W [M]	R983	ERDS2TJ182T	1.8K 1/4W [M]	R1690	ERDS2TJ270T	27 1/4W [M]
R754	ERDS2TJ102T	1K 1/4W [M]	R928	ERDS2TJ271T	270 1/4W [M]	R984	ERDS2TJ222T	2.2K 1/4W [M]	R1691	ERDS2TJ270T	27 1/4W [M]
R756	ERDS2TJ222T	2.2K 1/4W [M]	R929	ERDS2TJ101T	100 1/4W [M]	R985	ERDS2TJ332T	3.3K 1/4W [M]	R1692	ERDS2TJ270T	27 1/4W [M]
R771	ERDS2TJ104T	100K 1/4W [M]	R930	ERDS2TJ101T	100 1/4W [M]	R986	ERDS2TJ472T	4.7K 1/4W [M]	R1693	ERDS2TJ270T	27 1/4W [M]
R773	ERDS2TJ103T	10K 1/4W [M]	R931	ERDS2TJ271T	270 1/4W [M]	R987	ERDS2TJ682T	6.8K 1/4W [M]	R1694	ERDS2TJ270T	27 1/4W [M]
R774	ERDS2TJ155T	1.5M 1/4W [M]	R932	ERDS2TJ271T	270 1/4W [M]	R990	ERDS2TJ153T	15K 1/4W [M]	R1695	ERDS2TJ102T	1K 1/4W [M]
R775	ERDS2TJ331T	330 1/4W [M]	R933	ERDS2TJ271T	270 1/4W [M]	R991	ERDS2TJ104T	100K 1/4W [M]	R1696	ERDS2TJ102T	1K 1/4W [M]
R776	ERDS1FVJ150T	15 1/2W [M]	R934	ERDS2TJ271T	270 1/4W [M]	R992	ERDS2TJ104T	100K 1/4W [M]	R1699	ERDS2TJ332T	3.3K 1/4W [M]
R777	ERDS2TJ154T	150K 1/4W [M]	R935	ERDS2TJ271T	270 1/4W [M]	R997	ERDS2TJ101T	100 1/4W [M]			
R778	ERDS2TJ472T	4.7K 1/4W [M]	R936	ERDS2TJ271T	270 1/4W [M]	R998	ERDS2TJ101T	100 1/4W [M]			
R779	ERDS2TJ103T	10K 1/4W [M]	R937	ERDS2TJ271T	270 1/4W [M]	R1001	ERDS2TJ102T	1K 1/4W [M]			
R781	ERDS2TJ222T	2.2K 1/4W [M]	R938	ERDS2TJ271T	270 1/4W [M]	R1002	ERDS2TJ102T	1K 1/4W [M]			
R782	ERDS2TJ390T	39 1/4W [M]	R939	ERDS2TJ151T	150 1/4W [M]	R1003	ERDS2TJ102T	1K 1/4W [M]			
R784	ERDS2TJ154T	150K 1/4W [M]	R940	ERDS2TJ222T	2.2K 1/4W [M]	R1004	ERDS2TJ102T	1K 1/4W [M]	C101	ECBT1C103NS5	0.01 16V [M]
R786	ERDS2TJ154T	150K 1/4W [M]	R941	ERDS2TJ473T	47K 1/4W [M]	R1005	ERDS2TJ203T	20K 1/4W [M]	C103	ECBT1C103NS5	0.01 16V [M]
R791	ERDS2TJ123T	12K 1/4W [M]	R942	ERDS2TJ181T	180 1/4W [M]	R1007	ERDS2TJ473T	47K 1/4W [M]	C104	ECBT1H102KB5	1000P 50V [M]
R792	ERDS2TJ123T	12K 1/4W [M]	R943	ERDS2TJ102T	1K 1/4W [M]	R1008	ERDS2TJ473T	47K 1/4W [M]	C105	ECBT1H470J5	47P 50V [M]
R793	ERDS2TJ123T	12K 1/4W [M]	R944	ERDS2TJ104T	100K 1/4W [M]	R1009	ERDS2TJ332T	3.3K 1/4W [M]	C106	ECBT1C103NS5	0.01 16V [M]
R794	ERDS2TJ123T	12K 1/4W [M]	R945	ERDS2TJ104T	100K 1/4W [M]	R1010	ERDS2TJ332T	3.3K 1/4W [M]	C107	ECBT1H473ZF5	0.047 50V [M]
R795	ERDS2TJ223T	22K 1/4W [M]	R946	ERDS2TJ103T	10K 1/4W [M]	R1011	ERDS2TJ332T	3.3K 1/4W [M]	C108	ECBT1H8R2KC5	8.2P 50V [M]
R796	ERDS2TJ223T	22K 1/4W [M]	R947	ERDS2TJ103T	10K 1/4W [M]	R1012	ERDS2TJ102T	1K 1/4W [M]	C109	ECBT1C103NS5	0.01 16V [M]
R797	ERDS2TJ223T	22K 1/4W [M]	R948	ERDS2TJ103T	10K 1/4W [M]	R1013	ERDS2TJ103T	10K 1/4W [M]	C110	ECBT1C103NS5	0.01 16V [M]
R798	ERDS2TJ223T	22K 1/4W [M]	R949	ERDS2TJ103T	10K 1/4W [M]	R1014	ERDS2TJ104T	100K 1/4W [M]	C111	ECEA1EKA4R7B	4.7 25V [M]
R799	ERDS2TJ682T	6.8K 1/4W [M]	R950	ERDS2TJ102T	1K 1/4W [M]	R1015	ERD2FCVJ4R7T	4.7 1/4W [M]	C112	ECBT1C103NS5	0.01 16V [M]
R891	ERDS2TJ103T	10K 1/4W [M]	R951	ERDS2TJ122T	1.2K 1/4W [M]	R1051	ERDS2TJ393T	39K 1/4W [M]	C113	ECBT1H102KB5	1000P 50V [M]
R892	ERDS2TJ103T	10K 1/4W [M]	R952	ERDS2TJ152T	1.5K 1/4W [M]	R1052	ERDS2TJ105T	1M 1/4W [M]	C114	ECEA1HKA3R3B	3.3 50V [M]
R893	ERDS2TJ103T	10K 1/4W [M]	R953	ERDS2TJ182T	1.8K 1/4W [M]	R1053	ERDS2TJ102T	1K 1/4W [M]	C115	ECEA1EKA4R7B	4.7 25V [M]
R894	ERDS2TJ103T	10K 1/4W [M]	R954	ERDS2TJ222T	2.2K 1/4W [M]	R1055	ERDS2TJ224T	220K 1/4W [M]	C116	ECBT1C822MS5	8200P 16V [M]
R900	ERDS2TJ472T	4.7K 1/4W [M]	R955	ERDS2TJ332T	3.3K 1/4W [M]	R1056	ERDS2TJ153T	15K 1/4W [M]	C117	ECQB1H471JM3	470P 50V [M]
R901	ERDS2TJ102T	1K 1/4W [M]	R956	ERDS2TJ472T	4.7K 1/4W [M]	R1061	ERDS2TJ222T	2.2K 1/4W [M]	C118	ECQB1H103JM3	0.01 50V [M]
R903	ERDS2TJ104T	100K 1/4W [M]	R957	ERDS2TJ682T	6.8K 1/4W [M]	R1062	ERDS2TJ273T	27K 1/4W [M]	C119	ECQB1H103JM3	0.01 50V [M]
R904	ERDS2TJ271T	270 1/4W [M]	R958	ERDS2TJ123T	12K 1/4W [M]	R1063	ERDS2TJ332T	3.3K 1/4W [M]	C120	ECEA1HKA010B	1 50V [M]
R906	ERDS2TJ222T	2.2K 1/4W [M]	R959	ERDS2TJ103T	10K 1/4W [M]	R1151	ERDS2TJ473T	47K 1/4W [M]	C121	ECEA1HKA010B	1 50V [M]
R907	ERDS2TJ104T	100K 1/4W [M]	R960	ERDS2TJ332T	3.3K 1/4W [M]	R1152	ERDS2TJ473T	47K 1/4W [M]	C122	ECEA1HKA2R2B	2.2 50V [M]
R908	ERDS2TJ104T	100K 1/4W [M]	R961	ERDS2TJ332T	3.3K 1/4W [M]	R1154	ERDS2TJ183T	18K 1/4W [M]	C123	ECEA1HKA010B	1 50V [M]
R909	ERDS2TJ104T	100K 1/4W [M]	R962	ERDS2TJ104T	100K 1/4W [M]	R1155	ERDS2TJ103T	10K 1/4W [M]	C124	ECBT1H102KB5	1000P 50V [M]
R910	ERDS2TJ102T	1K 1/4W [M]	R963	ERDS2TJ105T	1M 1/4W [M]	R1156	ERDS2TJ103T	10K 1/4W [M]	C125	ECBT1H150JC5	15P 50V [M]
R911	ERDS2TJ104T	100K 1/4W [M]	R964	ERDS2TJ105T	1M 1/4W [M]	R1158	ERDS2TJ104T	100K 1/4W [M]	C126	ECBT1H104ZF5	0.1 50V [M]
									C127	ECEA1CKA220B	22 16V [M]
									C128	ECBT1C103NS5	0.01 16V [M]



Ref No.	PartNo.	Values & Remarks	Ref No.	PartNo.	Values & Remarks	Ref No.	PartNo.	Values & Remarks	Ref No.	PartNo.	Values & Remarks
C129	ECEA0JKA101B	100 6.3V [M]	C356	ECBT1H470J5	47P 50V [M]	C430	ECBT1H101KB5	100P 50V [M]	C512	ECA1HPXS4R7B	4.7 50V [M]
C130	ECEA0JKA101B	100 6.3V [M]	C357	ECBT1H470J5	47P 50V [M]	C431	ECA1EPXS100B	10 25V [M]	C513	ECBT1H150J5	15P 50V [M]
C131	ECBT1C103NS5	0.01 16V [M]	C358	ECA1EPXS100B	0.01 25V [M]	C432	ECA1EPXS100B	10 25V [M]	C514	ECBT1H150J5	15P 50V [M]
C132	ECBT1H102KB5	1000P 50V [M]	C359	ECBT1H104ZF5	0.1 50V [M]	C433	ECBT1H101KB5	100P 50V [M]	C515	ECBT1H221KB5	220P 50V [M]
C133	ECBT1H150JC5	15P 50V [M]	C360	ECBT1H104ZF5	0.1 50V [M]	C434	ECBT1H101KB5	100P 50V [M]	C516	ECBT1H221KB5	220P 50V [M]
C134	ECBT1H180JC5	18P 50V [M]	C361	ECEA0JKA101B	100 6.3V [M]	C435	ECBT1H101KB5	100P 50V [M]	C517	ECBT1H330J5	33P 50V [M]
C135	ECBT1C103MS5	0.01 16V [M]	C362	ECEA0JKA101B	100 6.3V [M]	C436	ECBT1H101KB5	100P 50V [M]	C518	ECBT1H330J5	33P 50V [M]
C136	ECBT1C103MS5	0.01 16V [M]	C363	ECEA0JKA101B	100 6.3V [M]	C439	ECBT1E103ZF5	0.01 25V [M]	C519	ECA1HPXS4R7B	4.7 50V [M]
C137	ECBT1H561KB5	560P 50V [M]	C364	ECEA0JKA101B	100 6.3V [M]	C440	ECBT1E103ZF5	0.01 25V [M]	C520	ECA1HPXS4R7B	4.7 50V [M]
C138	ECBT1H561KB5	560P 50V [M]	C365	ECBT1E103ZF5	0.01 25V [M]	C441	ECEA1HKN3R3B	3.3 50V [M]	C521	ECA1HPXS4R7B	4.7 50V [M]
C139	ECQB1H682JM3	6800P 50V [M]	C366	ECBT1E103ZF5	0.01 25V [M]	C451	ECEA1VKA4R7B	4.7 35V [M]	C522	ECA1HPXS4R7B	4.7 50V [M]
C140	ECQB1H682JM3	6800P 50V [M]	C381	ECA1HPXS4R7B	4.7 50V [M]	C452	ECEA1VKA4R7B	4.7 35V [M]	C523	ECQB1H123JM3	0.012 50V [M]
C141	ECEA1HKA010B	1 50V [M]	C382	ECA1HPXS4R7B	4.7 50V [M]	C453	ECBT1H100J5	10P 50V [M]	C524	ECQB1H123JM3	0.012 50V [M]
C142	ECEA1HKA010B	1 50V [M]	C383	ECA1HPXS4R7B	4.7 50V [M]	C454	ECBT1H100J5	10P 50V [M]	C525	ECQV1H683JM3	0.068 50V [M]
C143	ECEA1HKA010B	1 50V [M]	C384	ECA1HPXS4R7B	4.7 50V [M]	C455	ECBT1H102KB5	1000P 50V [M]	C526	ECQV1H683JM3	0.068 50V [M]
C144	ECEA1HKA010B	1 50V [M]	C385	ECA1HPXS4R7B	4.7 50V [M]	C456	ECBT1H102KB5	1000P 50V [M]	C527	ECQB1H562JF3	5600P 50V [M]
C145	ECBT1H220JC5	22P 50V [M]	C386	ECA1HPXS4R7B	4R 50V [M]	C457	ECEA1AKA330B	33 10V [M]	C528	ECQB1H562JF3	5600P 50V [M]
C146	ECBT1H331KB5	330P 50V [M]	C387	ECA1HPXS4R7B	4.7 50V [M]	C458	ECEA1AKA330B	33 10V [M]	C529	ECQB1H273JM3	0.027 50V [M]
C147	ECBT1H102KB5	1000P 50V [M]	C388	ECA1HPXS4R7B	4.7 50V [M]	C459	ECFR1E223KR	0.022 25V [M]	C530	ECQB1H273JM3	0.027 50V [M]
C148	ECBT1C103NS5	0.01 16V [M]	C389	ECA1EPXS100B	10 25V [M]	C460	ECFR1E223KR	0.022 25V [M]	C531	ECBT1E103ZF5	0.01 25V [M]
C149	ECBT1C103NS5	0.01 16V [M]	C390	ECA1EPXS100B	10 25V [M]	C461	ECFR1E682KR	6800P 25V [M]	C532	ECBT1E103ZF5	0.01 25V [M]
C150	ECBT1H104ZF5	0.1 50V [M]	C401	ECA1HPXS4R7B	4.7 50V [M]	C462	ECFR1E682KR	6800P 25V [M]	C533	ECA1EPXS100B	10 25V [M]
C172	ECBT1H331KB5	330P 50V [M]	C402	ECA1HPXS4R7B	4.7 50V [M]	C463	ECEA1VKA4R7B	4.7 35V [M]	C534	ECA1EPXS100B	10 25V [M]
C173	ECEA1CKA220B	22 16V [M]	C403	ECBT1E103ZF5	0.01 25V [M]	C464	ECEA1VKA4R7B	4.7 35V [M]	C535	ECBT1H104ZF5	0.1 50V [M]
C174	ECEA1CKA101B	100 16V [M]	C404	ECBT1E103ZF5	0.01 25V [M]	C465	ECBT1E103ZF5	0.01 25V [M]	C536	ECBT1H104ZF5	0.1 50V [M]
C175	ECBT1C103NS5	0.01 16V [M]	C405	ECBT1H101KB5	100P 50V [M]	C466	ECBT1E103ZF5	0.01 25V [M]	C537	ECA1EPXS100B	10 25V [M]
C176	ECBT1C103NS5	0.01 16V [M]	C406	ECBT1H101KB5	100P 50V [M]	C469	ECBT1H181KB5	180P 50V [M]	C538	ECA1EPXS100B	10 25V [M]
C181	ECBT1H471KB5	470P 50V [M]	C409	ECA1EPXS100B	10 25V [M]	C470	ECBT1H181KB5	180P 50V [M]	C539	ECA1EPXS100B	10 25V [M]
C196	ECBT1H102KB5	1000P 50V [M]	C410	ECA1EPXS100B	10 25V [M]	C471	ECA1HPXS4R7B	4.7 50V [M]	C540	ECA1EPXS100B	10 25V [M]
C301	ECEA1CKA470B	47 16V [M]	C411	ECBT1H101KB5	100P 50V [M]	C472	ECA1HPXS4R7B	4.7 50V [M]	C541	ECA1EPXS100B	10 25V [M]
C302	ECBT1E223ZF5	0.022 25V [M]	C412	ECBT1H101KB5	100P 50V [M]	C473	ECBT1E103ZF5	0.01 25V [M]	C542	ECA1EPXS100B	10 25V [M]
C303	ECEA1CKA470B	47 16V [M]	C413	ECA1EPXS100B	10 25V [M]	C474	ECBT1E103ZF5	0.01 25V [M]	C543	ECBT1E103ZF5	0.01 25V [M]
C304	ECBT1E223ZF5	0.022 25V [M]	C414	ECA1EPXS100B	10 25V [M]	C475	ECBT1H101KB5	100P 50V [M]	C544	ECBT1E103ZF5	0.01 25V [M]
C305	ECBT1H470J5	47P 50V [M]	C415	ECBT1E103ZF5	0.01 25V [M]	C491	ECBT1H101KB5	100P 50V [M]	C551	ECA1HPXS4R7B	4.7 50V [M]
C306	ECBT1H470J5	47P 50V [M]	C416	ECBT1E103ZF5	0.01 25V [M]	C492	ECBT1H101KB5	100P 50V [M]	C552	ECA1HPXS4R7B	4.7 50V [M]
C307	ECBT1H470J5	47P 50V [M]	C417	ECBT1H101KB5	100P 50V [M]	C493	ECBT1H101KB5	100P 50V [M]	C553	ECBT1H101KB5	100P 50V [M]
C308	ECBT1H470J5	47P 50V [M]	C418	ECBT1H101KB5	100P 50V [M]	C494	ECBT1H101KB5	100P 50V [M]	C554	ECBT1H101KB5	100P 50V [M]
C309	ECBT1H104ZF5	0.1 50V [M]	C419	ECBT1H331KB5	330P 50V [M]	C497	ECEA1HKA3R3B	3.3 50V [M]	C555	ECBT1H221KB5	220P 50V [M]
C310	ECBT1H104ZF5	0.1 50V [M]	C420	ECBT1H331KB5	330P 50V [M]	C498	ECBT1H101KB5	100P 50V [M]	C556	ECBT1H221KB5	220P 50V [M]
C311	ECBT1H104ZF5	0.1 50V [M]	C421	ECBT1H331KB5	330P 50V [M]	C501	ECQV1H333JZ3	0.033 50V [M]	C557	ECBT1E103ZF5	0.01 25V [M]
C312	ECBT1H104ZF5	0.1 50V [M]	C422	ECBT1H331KB5	330P 50V [M]	C502	ECQV1H333JZ3	0.033 50V [M]	C558	ECBT1E103ZF5	0.01 25V [M]
C313	ECEA0JKA101B	100 6.3V [M]	C423	ECBT1H101KB5	100P 50V [M]	C503	ECEA0JKA101B	100 6.3V [M]	C559	ECA1EPXS100B	10 25V [M]
C314	ECEA0JKA101B	100 6.3V [M]	C424	ECBT1H101KB5	100P 50V [M]	C504	ECEA0JKA101B	100 6.3V [M]	C560	ECA1EPXS100B	10 25V [M]
C351	ECEA1CKA470B	47 16V [M]	C425	ECBT1H101KB5	100P 50V [M]	C505	ECQV1H104JZ3	0.1 50V [M]	C561	ECA1HPXS4R7B	4.7 50V [M]
C352	ECEA1CKA470B	47 16V [M]	C426	ECBT1H101KB5	100P 50V [M]	C506	ECQV1H104JZ3	0.1 50V [M]	C562	ECA1HPXS4R7B	4.7 50V [M]
C353	ECEA1CKA470B	47 16V [M]	C427	ECBT1H221KB5	220P 50V [M]	C507	ECBT1E103ZF5	0.01 25V [M]	C563	ECBT1H101KB5	100P 50V [M]
C354	ECEA1CKA470B	47 16V [M]	C428	ECBT1H221KB5	220P 50V [M]	C508	ECQV1H333JZ3	0.033 50V [M]	C564	ECBT1H101KB5	100P 50V [M]
C355	ECBT1H470J5	47P 50V [M]	C429	ECBT1H101KB5	100P 50V [M]	C511	ECA1HPXS4R7B	4.7 50V [M]	C565	ECBT1H221KB5	220P 50V [M]

Ref No.	Part No.	Values & Remarks	Ref No.	Part No.	Values & Remarks	Ref No.	Part No.	Values & Remarks	Ref No.	Part No.	Values & Remarks
C566	ECBT1C392KR5	3900P 16V [M]	C634	ECQB1H223JM3	0.022 50V [M]	C710	ECBT1E103ZF5	0.01 25V [M]	C946	ECBT1H470J5	47P 50V [M]
C567	ECBT1E103ZF5	0.01 25V [M]	C635	ECKR1H223ZF5	0.022 50V [M]	C711	ECKR1H103ZF5	0.01 50V [M]	C947	ECBT1H470J5	47P 50V [M]
C568	ECBT1E103ZF5	0.01 25V [M]	C636	ECKR1H223ZF5	0.022 50V [M]	C712	ECEA1HKA100B	10 50V [M]	C956	ECBT1H101KB5	100P 50V [M]
C569	ECA1HPXS4R7B	4.7 50V [M]	C637	ECKR1H223ZF5	0.022 50V [M]	C713	ECKR1H103ZF5	0.01 50V [M]	C959	ECBT1H104ZF5	0.1 50V [M]
C570	ECQB1H223JM3	0.022 50V [M]	C638	ECKR1H223ZF5	0.022 50V [M]	C714	ECEA1EKA470B	47 25V [M]	C960	ECBT1H104ZF5	0.1 50V [M]
C571	ECA1EPXS100B	10 25V [M]	C641	ECA1EPXS470B	47 25V [M]	C715	ECEA1CKA101B	100 16V [M]	C962	ECBT1H561KB5	560P 50V [M]
C572	ECA1EPXS100B	10 25V [M]	C642	ECBT1H821KB5	820P 50V [M]	C721	ECQE2104KF3	0.1 250V [M]	C963	ECBT1H102KB5	1000P 50V [M]
C573	ECBT1H680J5	68P 50V [M]	C643	ECCR1H180KC5	18P 50V [M]	C751	ECKWRS102MBC	1000P 400V [M]	C984	ECBT1H101KB5	100P 50V [M]
C574	ECBT1H680J5	68P 50V [M]	C644	ECQV1H104JZ3	0.1 50V [M]	C752	ECKR1H103ZF5	0.01 50V [M]	C985	ECBT1H101KB5	100P 50V [M]
C575	ECA1EPXS100B	10 25V [M]	C645	ECQV1H104JZ3	0.1 50V [M]	C753	ECA1EM102E	1000 25V [M]	C991	ECBT1H101KB5	100P 50V [M]
C576	ECBT1H680J5	68P 50V [M]	C646	ECQE2104KF3	0.1 250V [M]	C754	ECBT1E103ZF5	0.01 25V [M]	C992	ECBT1H101KB5	100P 50V [M]
C577	ECA1EPXS100B	10 25V [M]	C651	ECA1EPXS470B	47 25V [M]	C755	ECEA1CU470B	47 16V [M]	C993	ECBT1H331KB5	330P 50V [M]
C578	ECBT1H680J5	68P 50V [M]	C652	ECA1EPXS470B	47 25V [M]	C757	ECA1CM100B	10 16V [M]	C996	ECA1EPXS100B	10 25V [M]
C579	ECA1EPXS100B	10 25V [M]	C653	ECBT1H821KB5	820P 50V [M]	C758	ECEA1AKA101B	100 10V [M]	C997	ECEA1CKA100B	10 16V [M]
C580	ECA1EPXS100B	10 25V [M]	C654	ECBT1H821KB5	820P 50V [M]	C771	ECEA1HKA4R7B	4.7 50V [M]	C998	ECBT1E103ZF5	0.01 25V [M]
C581	ECBT1H680J5	68P 50V [M]	C657	ECCR1H180KC5	18P 50V [M]	C772	ECEA1HKA4R7B	4.7 50V [M]	C1001	ECEA1HKA010B	1 50V [M]
C582	ECBT1H680J5	68P 50V [M]	C658	ECCR1H180KC5	18P 50V [M]	C773	ECBT1E223ZF5	0.022 25V [M]	C1002	ECEA1HKA010B	1 50V [M]
C583	ECBT1H102KB5	1000P 50V [M]	C661	ECQV1H104JZ3	0.1 50V [M]	C774	ECEA0JKA101B	100 6.3V [M]	C1003	ECEA1HKA3R3B	3.3 50V [M]
C584	ECBT1H102KB5	1000P 50V [M]	C662	ECQV1H104JZ3	0.1 50V [M]	C775	ECEA1CKA100B	10 16V [M]	C1004	ECEA1HKA3R3B	3.3 50V [M]
C585	ECA1EPXS100B	10 25V [M]	C663	ECQV1H104JZ3	0.1 50V [M]	C776	ECEA1HKA010B	1 50V [M]	C1005	ECEA1HKA010B	1 50V [M]
C586	ECA1EPXS100B	10 25V [M]	C664	ECQV1H104JZ3	0.1 50V [M]	C891	ECBT1H102KB5	1000P 50V [M]	C1007	ECFR1E223KR	0.022 25V [M]
C591	ECBT1H104ZF5	0.1 50V [M]	C665	ECBT1E103ZF5	0.01 25V [M]	C892	ECBT1H102KB5	1000P 50V [M]	C1008	ECFR1E473KR	0.047 25V [M]
C593	ECBT1E103ZF5	0.01 25V [M]	C666	ECA1EM101B	100 25V [M]	C893	ECEA1CKA100B	10 16V [M]	C1009	ECEA0J221B	220 6.3V [M]
C594	ECBT1E103ZF5	0.01 25V [M]	C667	ECEA2AN2R2SB	2.2 100V [M]	C901	ECA0JM102B	02 6.3V [M]	C1010	ECEA1CKA100B	10 16V [M]
C595	ECA1EPXS100B	10 25V [M]	C668	ECBT1H102KB5	1000P 50V [M]	C902	ECBT1H104ZF5	0.1 50V [M]	C1011	ECEA1CKA100B	10 16V [M]
C596	ECA1EPXS100B	10 25V [M]	C669	ECA1EM101B	100 25V [M]	C903	ECBT1H104ZF5	0.1 50V [M]	C1012	ECEA1CKA100B	10 16V [M]
C601	ECA1EPXS470B	47 25V [M]	C671	ECEA2AU100B	10 100V [M]	C904	ECA0JM102B	02 6.3V [M]	C1013	ECEA1CKA100B	10 16V [M]
C602	ECA1EPXS470B	47 25V [M]	C672	ECEA2AU100B	10 100V [M]	C905	ECBT1E103ZF5	0.01 25V [M]	C1014	ECEA0J221B	220 6.3V [M]
C603	ECBT1H821KB5	820P 50V [M]	C673	ECBT1H102KB5	1000P 50V [M]	C906	ECEA0JKA101B	100 6.3V [M]	C1015	ECQV1H104JM3	0.1 50V [M]
C604	ECBT1H821KB5	820P 50V [M]	C674	ECBT1H102KB5	1000P 50V [M]	C907	ECEA0JKA101B	100 6.3V [M]	C1016	ECQV1H104JM3	0.1 50V [M]
C607	ECCR1H180KC5	18P 50V [M]	C675	ECBT1H102KB5	1000P 50V [M]	C908	ECBT1E103ZF5	0.01 25V [M]	C1017	ECEA1HKAR47B	0.47 50V [M]
C608	ECCR1H180KC5	18P 50V [M]	C676	ECBT1H331KB5	330P 50V [M]	C909	ECEA1VKA220B	22 35V [M]	C1018	ECEA1HKA4R7B	4.7 50V [M]
C611	ECQV1H104JZ3	0.1 50V [M]	C677	ECBT1H331KB5	0.01 25V [M]	C910	ECEA1VKA220B	22 35V [M]	C1019	ECEA1HKAR47B	0.47 50V [M]
C612	ECQV1H104JZ3	0.1 50V [M]	C691	ECA1EPXS470B	47 25V [M]	C911	ECEA1VKA220B	22 35V [M]	C1020	ECEA1HKA4R7B	4.7 50V [M]
C613	ECQV1H104JZ3	0.1 50V [M]	C692	ECBT1C152KR5	1500P 16V [M]	C912	ECEA1VKA220B	22 35V [M]	C1021	ECEA1HKAR15B	0.15 50V [M]
C614	ECQV1H104JZ3	0.1 50V [M]	C693	ECCR1H180KC5	18P 50V [M]	C913	ECEA1VKA100B	10 35V [M]	C1022	ECEA1HKA3R3B	3.3 50V [M]
C615	ECBT1E103ZF5	0.01 25V [M]	C694	ECQV1H104JZ3	0.1 50V [M]	C914	ECEA1VKA100B	10 35V [M]	C1023	ECQV1H154JM3	0.15 50V [M]
C616	ECA1EM101B	100 25V [M]	C695	ECQV1H104JZ3	0.1 50V [M]	C916	ECEA1HKA010B	1 50V [M]	C1024	ECQV1H154JM3	0.15 50V [M]
C617	ECEA2AN2R2SB	2.2 100V [M]	C696	ECQE2104KF3	0.1 250V [M]	C917	ECEA0JKA101B	100 6.3V [M]	C1025	ECEA1HKA3R3B	3.3 50V [M]
C618	ECBT1H102KB5	1000P 50V [M]	C701	ECBT1E103ZF5	0.01 25V [M]	C918	ECEA0JKA101B	100 6.3V [M]	C1026	ECEA1HKAR15B	0.15 50V [M]
C619	ECA1EM101B	100 25V [M]	C702	ECQE2104KF3	0.1 250V [M]	C920	ECEA1HKA010B	1 50V [M]	C1027	ECEA1HKA4R7B	4.7 50V [M]
C621	ECEA2AU100B	10 100V [M]	C703	ECES1JV103UX	0.01 63V [M]	C933	ECBT1H101KB5	100P 50V [M]	C1028	ECEA1HKAR47B	0.47 50V [M]
C622	ECEA2AU100B	10 100V [M]	C704	ECES1JV103UX	0.01 63V [M]	C935	ECBT1H101KB5	100P 50V [M]	C1029	ECEA1HKA4R7B	4.7 50V [M]
C625	ECEA1HN100SB	10 50V [M]	C705	ECES1VV472N	4700 35V [M]	C936	ECBT1H101KB5	100P 50V [M]	C1030	ECEA1HKAR47B	0.47 50V [M]
C626	ECEA1HN100SB	10 50V [M]	C706	ECES1VV472N	4700 35V [M]	C937	ECBT1H101KB5	100P 50V [M]	C1031	ECQV1H104JM3	0.1 50V [M]
C631	ECQB1H223JM3	0.022 50V [M]	C707	ECA1VM101B	100 35V [M]	C943	ECBT1H331KB5	330P 50V [M]	C1032	ECQV1H104JM3	0.1 50V [M]
C632	ECQB1H223JM3	0.022 50V [M]	C708	ECKR1H103ZF5	0.01 50V [M]	C944	ECEA1CKA100B	10 16V [M]	C1033	ECEA0JKA470B	47 6.3V [M]
C633	ECQB1H223JM3	0.022 50V [M]	C709	ECEA1CKA330B	33 16V [M]	C945	ECBT1E103ZF5	0.01 25V [M]	C1034	ECQV1H474JM3	0.47 50V [M]



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## ■ Packing Materials & Accessories

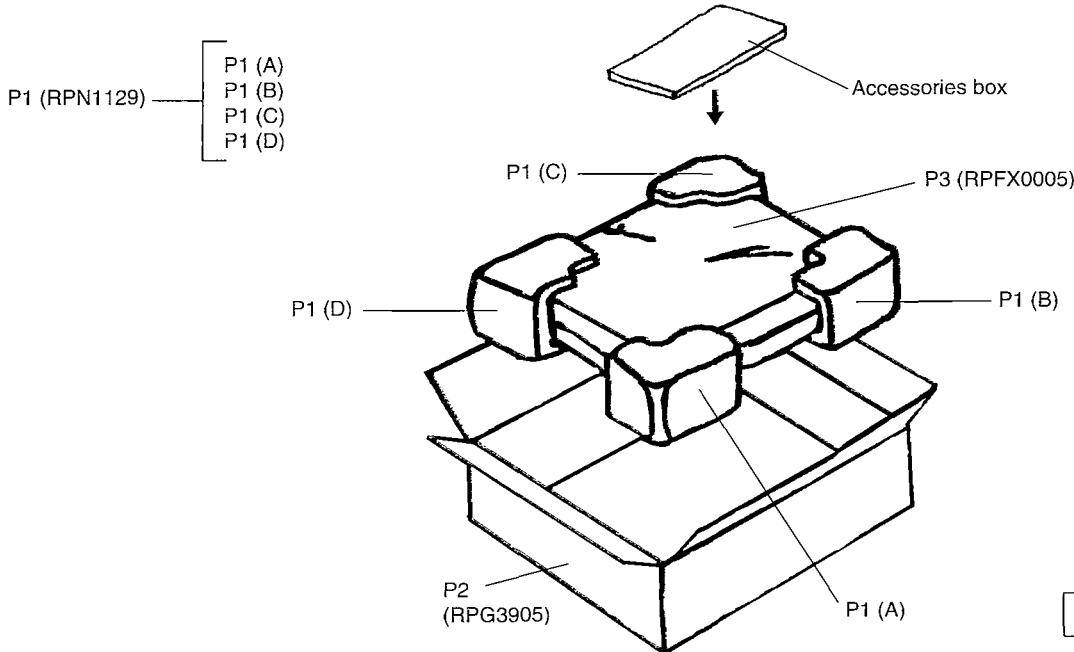
- Notes : \* Important safety notice :  
 Components identified by  $\Delta$  mark have special characteristics important for safety.  
 Furthermore, special parts which have purposes of fire-retardant (resistors), high-quality sound (capacitors), low-noise (resistors), etc. are used.  
 When replacing any of components, be sure to use only manufacturer's specified parts shown in the parts list.
- \* The parenthesized in the Remarks columns specify the areas. (Refer to the cover page for area.)
  - \* Parts without these indication can be used for all areas.
  - \* [M] in Remarks column indicates parts supplied by MESA.
  - \* The "(SF)" mark denotes the standard part.
  - \* Remote Control Unit : Supply period for three years from terminal of production.
  - \* Reference for O/I book languages are as follows :
- |             |                      |              |              |              |
|-------------|----------------------|--------------|--------------|--------------|
| Ar : Arabic | Cf : Canadian French | Ch : Chinese | Cz : Czech   | Da : Danish  |
| Du : Dutch  | En : English         | Fr : French  | Ge : German  | It : Italian |
| Ko : Korean | Po : Polish          | Ru : Russian | Sp : Spanish | Sw : Swedish |

Ref No.	Part No.	Part Name & Description	Remarks	Ref No.	Part No.	Part Name & Description	Remarks	Ref No.	Part No.	Part Name & Description	Remarks
		<b>PACKING MATERIALS</b>				<b>ACCESSORIES</b>		A2	RQT4468-E	O/I BOOK R/C (En,Sp,Sw)	[M] E
P1	RPG3905	PACKING CASE	[M]	A1	EUR646469	REMOTE CONTROL	[M]	A2	RQT4469-D	O/I BOOK R/C (Ge,It,Fr)	[M]EG
P2	RPN1129	POLYFORM	[M]	A1-1	UR64EC1987	R/C BATTERY COVER	[M]	A2	RQT4470-R	O/I BOOK R/C (Ru,Cz,Po)	[M] E
P3	RPFX0005	MIRAMAT BAG	[M]	A2	RQT4460-B	O/I BOOK (En)	[M] EB	A3	RJA0019-2K	AC CORD (SF) $\Delta$	[M] EG E
P4	SPB1061	BAG	[M]	A2	RQT4461-E	O/I BOOK (En,Sp,Sw)	[M] E	A3	VJA0733	AC CORD (SF) $\Delta$	[M] EB
				A2	RQT4462-D	O/I BOOK (Ge,It,Fr)	[M] EG	A4	RSA0010	LOOP ANT UNIT	[M]
				A2	RQT4463-R	O/I BOOK (Ru,Cz,Po)	[M] E	A5	RSA0007	FM ANTENA	[M]
				A2	RQT4464-H	O/I BOOK (Du,Da)	[M] EG	A6	SJP9009	ANT ADAPTER	[M] EB
				A2	RQT4467-B	O/I BOOK R/C (En)	[M] EB				

## ■ Packaging

### ACCESSORIES

(SPSD152)	: ACCESSORY CASE	A2 (RQT4468-E)... E	: I/O BOOK FOR R/C
A1 (EUR646469)	: REMOTE CONTROL UNIT	A2 (RQT4469-D)... EG	: I/O BOOK FOR R/C
A2 (RQT4460-B)... EB	: I/O BOOK	A2 (RQT4470-R)... E	: I/O BOOK FOR R/C
A2 (RQT4461-E)... E	: I/O BOOK	A2 (RQT4471-H)... EG	: I/O BOOK FOR R/C
A2 (RQT4462-D)... EG	: I/O BOOK	A3 (RJA0019-2K)... E, EG	: AC CORD
A2 (RQT4463-R)... E	: I/O BOOK	A3 (VJA0733)... EB	: AC CORD
A2 (RQT4464-H)... EG	: I/O BOOK	A4 (RSA0010)	: AM LOOP ANT
A2 (RQT4467-B)... EB	: I/O BOOK FOR R/C	A5 (RSA0007)	: FM ANTENNA
		A6 (SJP9009)... EB	: ANT ADAPTOR



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