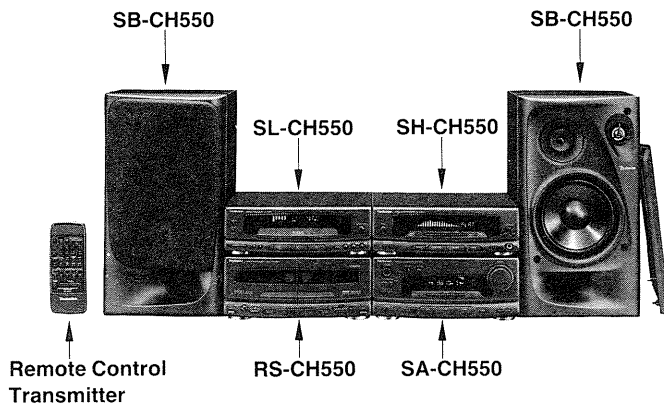


Service Manual

Tuner Amplifier

Tuner Amplifier

SA-CH550



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

Colour

(K) Black Type

Areas

Suffix for Model No.	Area	Colour
(E)	Europe	(K)
(EB)	Great Britain	
(EG)	Germany and Italy	
(GC)	Asia, Latin America, Middle Near East and Africa	
(GN)	Oceania	

System: SC-CH550

SPECIFICATIONS

(DIN 45 500)

■ MAIN AMP. SECTION

Power output
 DIN 1 kHz THD 1%, both channel driven 2×35 W (6Ω)
Total harmonic distortion
 Rated power at 1 kHz 1% (6Ω)
 Half power at 1 kHz 0.09% (6Ω)
Load impedance
 MAIN 6–8Ω
 SURROUND 8Ω
S/N (rated power) 84 dB (IHF, A 88 dB)
Frequency response 40 Hz–30 kHz (–3 dB)

■ FM TUNER SECTION

Frequency range 87.50 Hz–108.00 MHz (0.05 MHz steps)
Sensitivity 1.8 μV (IHF, usable)
S/N 26 dB 1.5 μV (75Ω)
S/N
 MONO 70 dB (75 dB, IHF)
Stereo separation at 1 kHz 35 dB
Antenna terminal(s) 75Ω (unbalanced)

■ AM TUNER SECTION

Frequency range
 MW
 For (E), (EB), (EG), (GN) areas 522–1611 kHz (9 kHz steps)
 530–1620 kHz (10 kHz steps)
 For (GC) area 531–1602 kHz (9 kHz steps)
 530–1600 kHz (10 kHz steps)

LW

For (E), (EB), (EG), (GN) areas 144–288 kHz (9 kHz steps)
 For (GC) area 153–279 kHz (9 kHz steps)

Sensitivity (SN 20 dB)

MW (at 999 kHz, 1000 kHz) 500 μV/m
 LW (at 254 kHz) 50 μV

■ TIMER SECTION

Clock Quartz-lock type
Function 24-hour programmable; Play timer (1 time)
 Rec timer (1 time)
 Sleep (120 min. 1 min. intervals)
Setting 1 minute–23 hours. 59 minutes (1 min. intervals)

■ GENERAL

Power consumption 120 W
Power supply
 For (E), (EG) areas AC 50/60 Hz, 230 V
 For (EB), (GN) areas AC 50/60 Hz, 230 V–240 V
 For (GC) area AC 50/60 Hz, 110/127/220/240 V
Dimension (W×H×D) 270×119×332 mm
Weight 4.7 kg

Notes:

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

System	Sound processor	Tuner amplifier	Compact disc player	Cassette deck	Speakers
SC-CH550	SH-CH550	SA-CH550	SL-CH550	RS-CH550	*SB-CH550

* (E), (EB), (EG) areas...Made in PAES

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BEFORE REPAIR

- Turn off the power supply. Using a 10Ω, 10 W resistor, connect both ends of power supply capacitors (C701, C702) in order to discharge the voltage.
- Before turning the power supply on, after completion of repair, slowly apply the primary voltage by using a power supply voltage controller to make sure that the consumed current at 50/60 Hz in NO SIGNAL mode is mode should be shown below with respect to supply voltage 110 V/127 V/ 220 V/240 V.

Power supply voltage	AC 110~127 V	AC 220~240 V	AC 230 V	AC 240 V
Consumed current 50 Hz	153~285 mA	106~158 mA	93~140 mA	106~158 mA

PROTECTION CIRCUITRY

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

*No sound is heard when the power is switched ON.

*Sound stops during a performance.

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

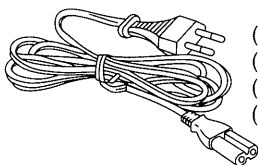
If this occurs, follow the procedure outlined below:

- Switch OFF the power.
- Determine the cause of the problem and correct it.
- Switch ON the power once again.

Note:

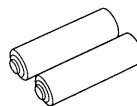
When the protection circuitry functions, the unit will not operate unless the power is first switched OFF and then ON again.

ACCESSORIES

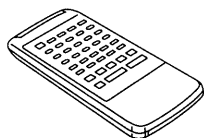


(RJA0019-1K) for (E), (EG) areas
 (VJA0733) for (EB) area
 (RJA0004) for (GC) area
 (SJA173) for (GN) area

- AC power supply cord 1 pc.



- Remote control batteries
 UM-4, AAA, R03 2 pcs.



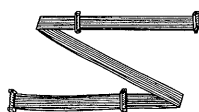
(RAK-SC310W)

- Remote control transmitter 1 pc.



(SMA233-1M)

- Antenna holder 1 pc.



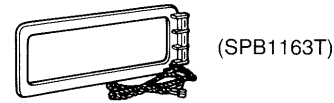
(REX0462)

- Flat cable 1 pc.



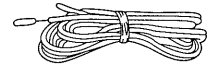
(XTN3+10AFZ)

- Mounting screws 2 pcs.

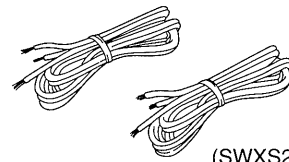


(SPB1163T)

- LW/MW loop antenna 1 pc.

(RSA0007) for (E), (EB), (EG) areas
(RSA0006) for (GC), (GN) areas

- FM indoor antenna 1 pc.



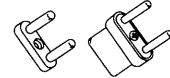
(SWXS257M)

- Speaker cords 2 pcs.



(SJP9009) for (EB) area only

- Attachment plug 1 pc.



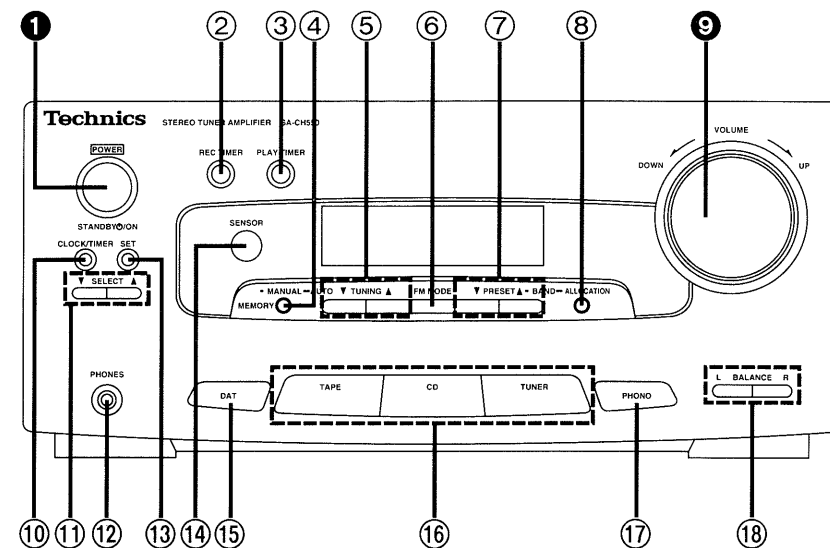
(SJP9215) for (GC) area only

- Power plug adaptor 1 pc.

Note:

The configurations of AC power supply cord and FM indoor antenna differ according to area.

■ LOCATION OF CONTROLS



1 Power "STANDBY \odot /ON" switch (POWER/STANDBY \odot /ON)

This switch switches ON and OFF the secondary circuit power only. The unit is in the "standby" condition when this switch is set to the STANDBY \odot position. Regardless of the switch setting, the primary circuit is always "live" as long as the power cord is connected to an electrical outlet.

2 Timer recording button (REC TIMER)

Press to confirm, exit or reset the record timer.

3 Timer play button (PLAY TIMER)

Press to confirm, exit or reset the play timer.

4 Preset memory button (MEMORY, -MANUAL, -AUTO)

Press to put a broadcast station into the memory.

The functions indicated by the numbers with black background (for example 1) can also be activated from the remote control.

5 Tuning buttons (\blacktriangledown TUNING \blacktriangle)

Use to tune in a desired broadcast station.

6 FM mode button (FM MODE)

Press to select the FM listening mode (stereo or monaural) during FM broadcasts.

7 Preset tuning buttons (\blacktriangledown PRESET \blacktriangle)

Use to select channel number for a broadcast station which has been stored in the tuner's memory.

8 Band select/allocation change button (-BAND -ALLOCATION)

Press to select the MW, LW or FM radio band. Press and hold to change the MW frequency step.

9 Volume level control (VOLUME)

Turn to adjust the volume level.

Note that -- dB is the lowest volume setting and 0 dB is the highest.

10 Clock/timer button (CLOCK/TIMER)

Press to select the clock set mode or desired timer mode.

11 Timer select buttons (\blacktriangledown SELECT \blacktriangle)

Use when setting the current time and timer.

12 Headphones jack (PHONES)

Plug headphones cord into this jack.

13 Setting button (SET)

Press to set the present time in the clock mode, or set the various selection in the timer mode.

14 Remote control signal sensor (SENSOR)

Receives the signals from the remote control.

15 DAT input select button (DAT)

(Only when you connect the DAT to this system) Press to select the DAT source.

16 Input select buttons (TAPE, CD, TUNER)

Press to select the sound source.

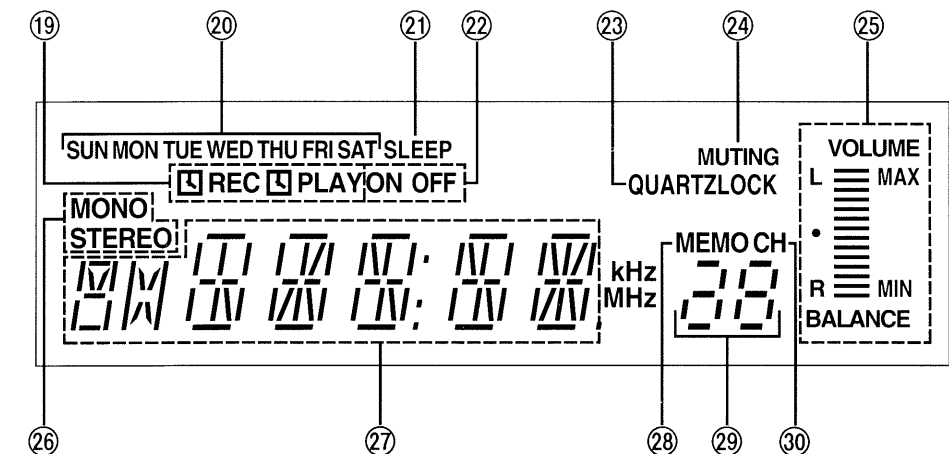
17 PHONO input select button (PHONO)

(Only when you connect an analog player to the PHONO terminal of this unit) Press to select the PHONO source.

18 Balance adjustment buttons (L BALANCE R)

Use to adjust the volume balance between left and right speakers.

• Display section



19 Timer mode indicators

REC: Lights when you have set the record timer mode.

PLAY: Lights when you have set the play timer mode.

20 Day indicators (SUN-SAT)

Shows the day of the week or the day the timer has been set for.

21 Sleep timer indicator (SLEEP)

Lights when you have set the sleep timer mode.

22 Timer on/off indicator (ON, OFF)

Lights together with the setting time to show the timer ON time and OFF time.

23 Quartz lock indicator (QUARTZLOCK)

Lights when you precisely tune in a broadcast station.

24 Muting indicator (MUTING)

Lights when you activate the muting mode.

25 Volume level/balance display

Shows the volume level and left-right balance.

26 FM STEREO/MONO indicator (MONO, STEREO)

"STEREO" lights when an FM stereo broadcast is being received. If you press this button to select monaural mode, "MONO" lights.

27 Alpha-numeric display

Shows the selected source, present time, and the contents of the timer setting, received frequencies, volume level.

28 Memory indicator (MEMO)

Lights when the preset memory button is pressed.

29 Preset channel display

Shows the preset channel you select.

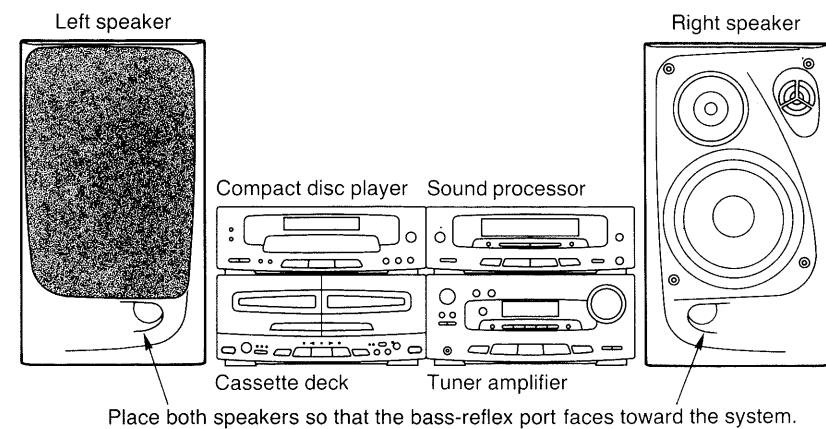
30 Channel indicator (CH)

Lights when the unit is in the preset tuning mode.

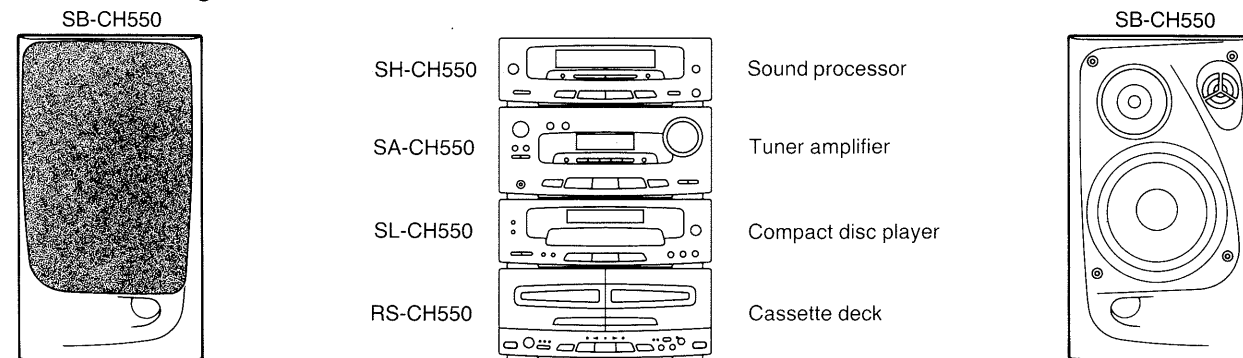
■ STACKING THE COMPONENTS

Install the various components as shown below.

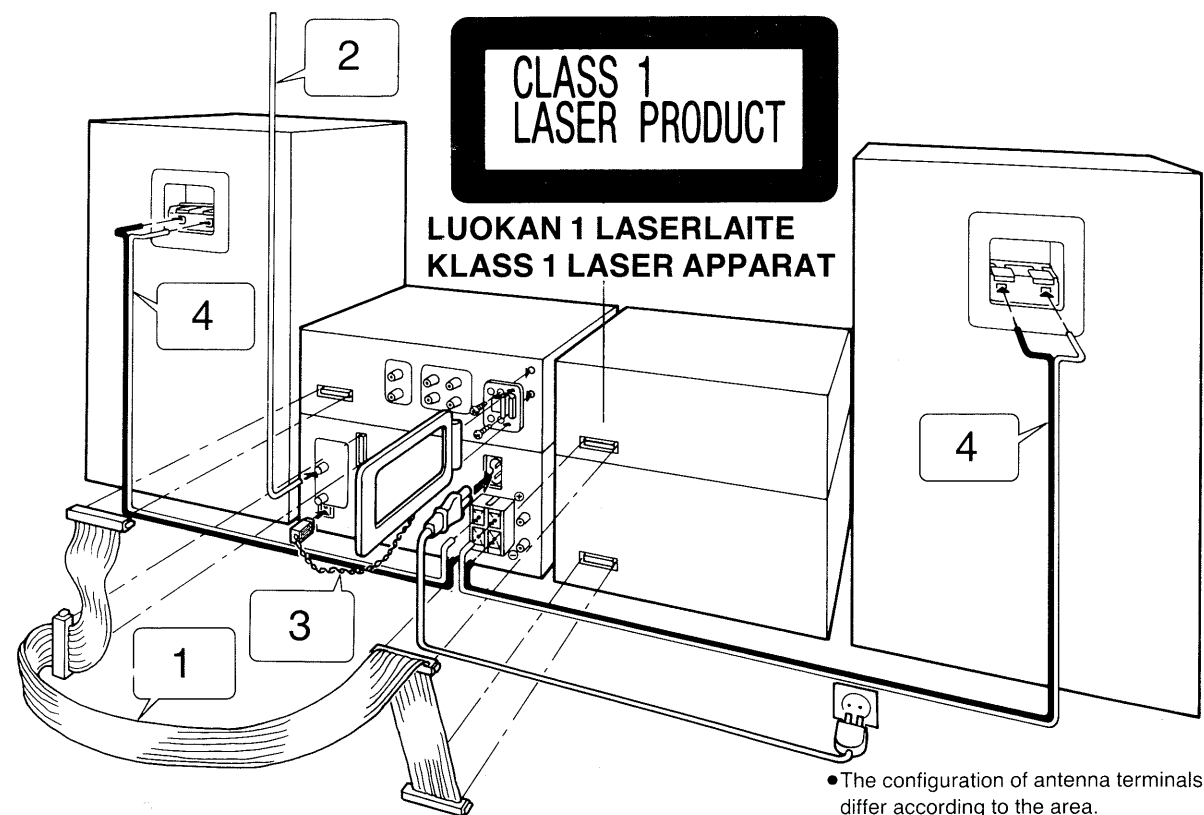
■ Horizontal stacking



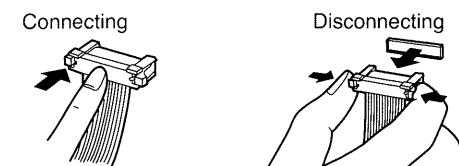
■ Vertical stacking



■ CONNECTIONS

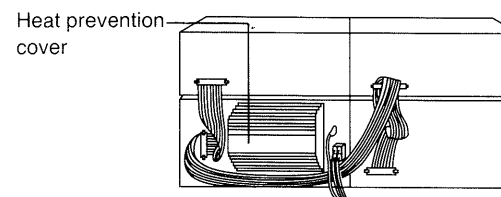


1 Connect the flat cable.



Hold the connector with the recessed part up and press in at the center until you hear a click.
First connect the blue-colored connector to the terminal of the sound processor (A), then connect the rest in the order B, C, D.
The white line should be on the right side. (Only for the tuner amplifier, the white line should be below.)

After connection, fold and press the cable as flat to the back of the unit as possible.



Do not try connecting or disconnecting the flat cable while the power is switched to ON.

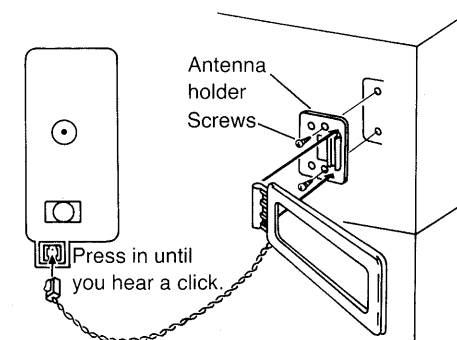
3 Connect the LW/MW loop antenna.

1. Attach the antenna holder with screws (included) to the rear panel of the sound processor.
2. Clamp the antenna to the antenna holder and connect the antenna terminal to the rear panel of the tuner amplifier.
3. Position the loop for the best reception.

You may attach the LW/MW antenna holder to a rack or other structure.

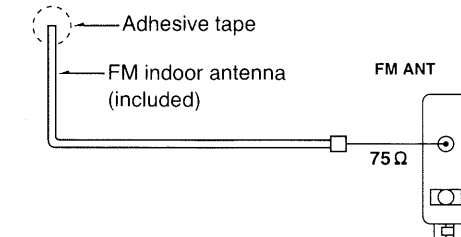
Notes:

- To minimize noise pickup, keep the LW/MW loop antenna away from the speaker cable, power cord, and metal surfaces.
- For better reception, keep the LW/MW loop antenna cord along the heat prevention cover, and away from the flat cable.



2 Connect the FM indoor antenna.

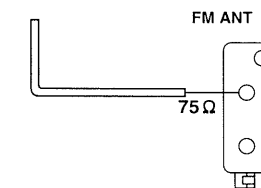
Install the antenna on a wall at a height and in a direction which result in the best reception.



The tip of the internal antenna wire should not come into contact with any metal objects.

When you cannot get a good reception with this FM indoor antenna, we recommend you install an FM outdoor antenna (not included). Disconnect the FM indoor antenna if you install an FM outdoor antenna.

For areas except Europe



4 Connect the speaker cables.

Note:

Be sure to connect speaker cables before connecting the AC power supply cord.

Connection of speaker cables

1. Strip off the outer covering, and twist the center conductor.

Make sure the bare ends of the wires are not unraveled. (If they are, twist them tight again.)

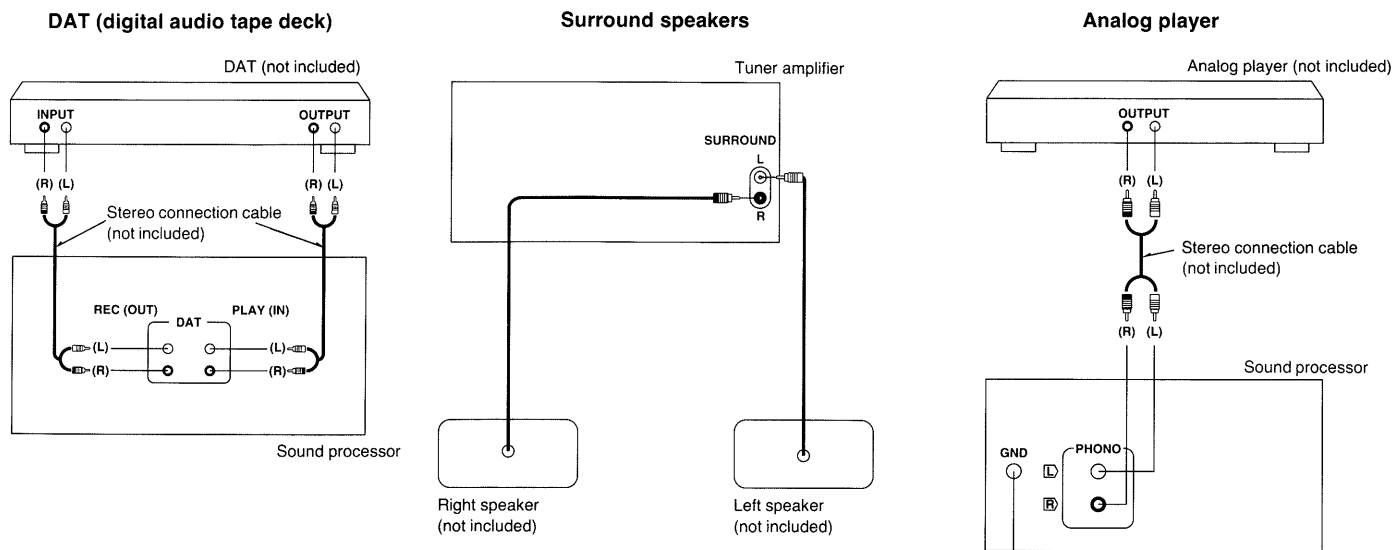
2. Insert the wire to the rear panel of the speakers, and then pull down the lever.

3. Insert the wire to the rear panel of the tuner amplifier, and close the lever.

Notes:

- To prevent damage to circuitry, never short-circuit positive (+) and negative (-) speaker wires.
- Be sure to connect only positive (red) wires to positive (+) terminals and negative (black) wires to negative (-) terminals.

●External unit connection



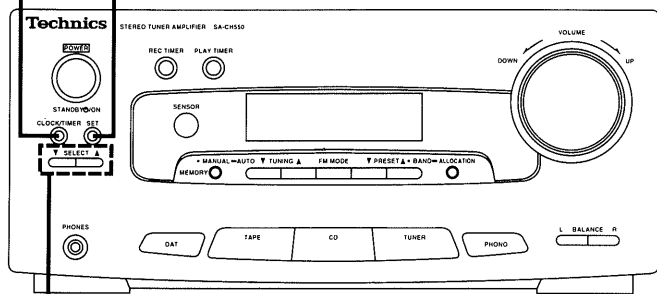
Notes:
 ●Be sure to connect both speaker systems. If only one side is connected, no sound will be heard.
 ●Install each speaker left and right at the back of the listening space.

"GND" terminal
 This terminal is for a ground wire use.
Note:
 For the set with "AUX" terminal instead of "PHONO"; Use an analog player which has built-in phono equalizer.

■ SETTING THE TIME OF DAY

These instructions explain how to set the time for 16:25 (4:25 p.m.) on Wednesday.

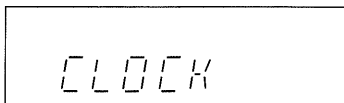
1 2·4·6·8



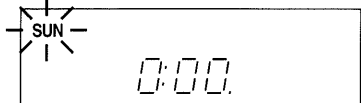
3·5·7

Switch on the power.

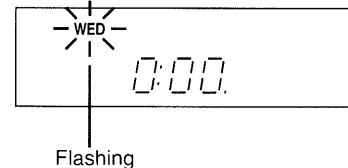
- 1 Press CLOCK/TIMER to select "CLOCK".**
 The display will show CLOCK.
 The display will return to what was previously indicated if you allow 7 or more seconds to elapse before you accomplish the next operation.



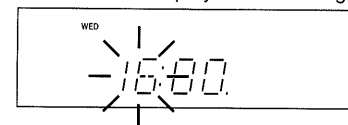
- 2 Press SET.**
 The day indicator will start to flash.



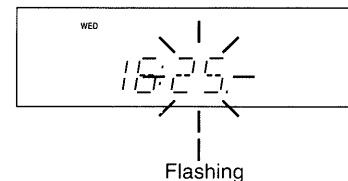
- 3 Press one of the SELECT buttons to select "WED".**



- 4 Press SET.**
- 5 Press one of the SELECT buttons to select "16".**
 Going from 23:59 to 00:00 on the hour display will not change the day display.



- 6 Press SET.**
- 7 Press one of the SELECT buttons to select "25".**
 Going from 59 to 00 on the minute display will not change the hour display.



- 8 Press SET to finish setting the time.**
 After about 2 seconds, the display will return to what it were before entering the clock setting mode.

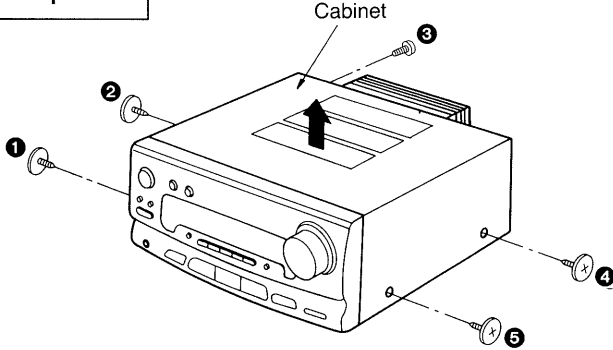
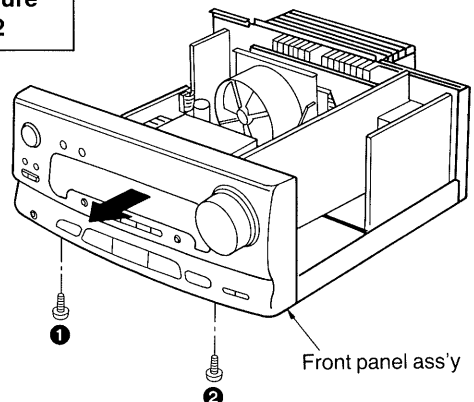
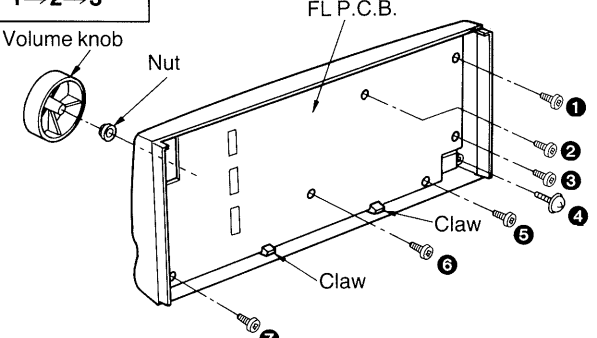
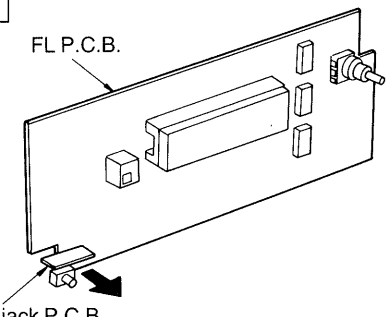
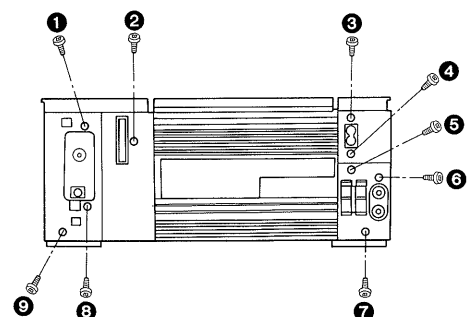
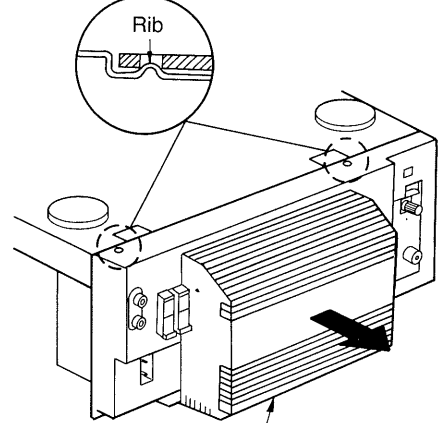
To display the clock again, press CLOCK/TIMER. The display will show "CLOCK", and then clock will appear for 5 seconds.


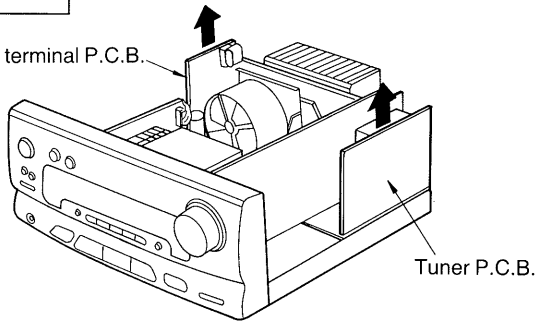
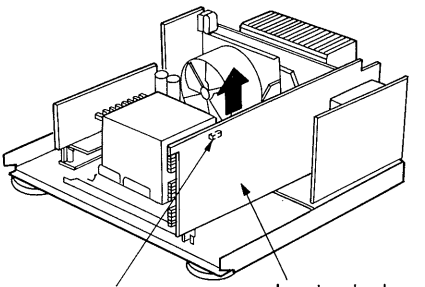
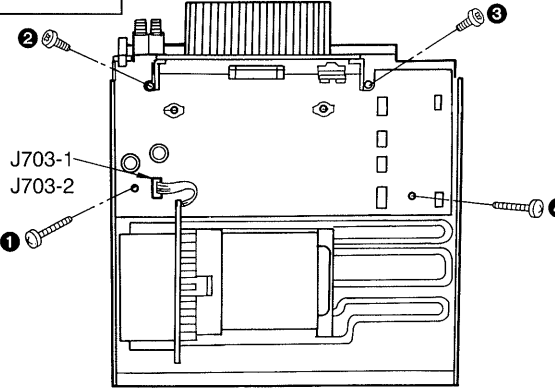
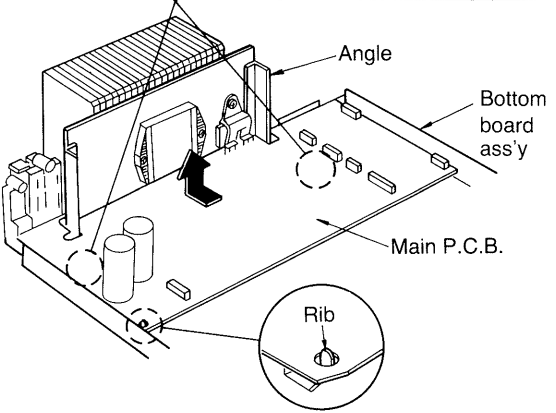
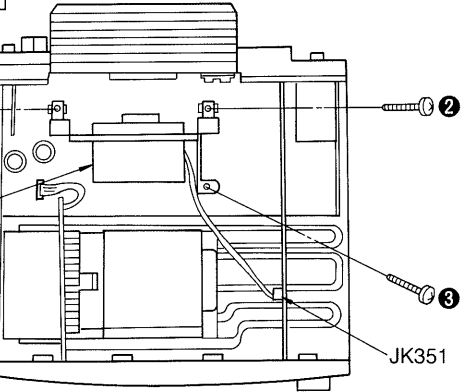
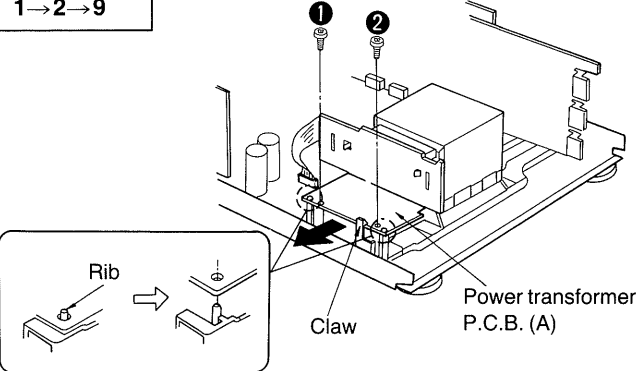
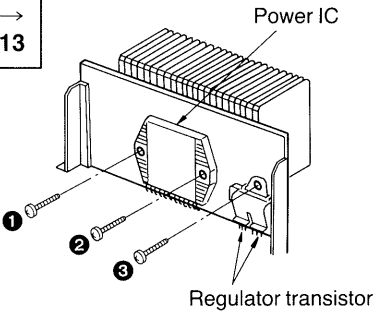
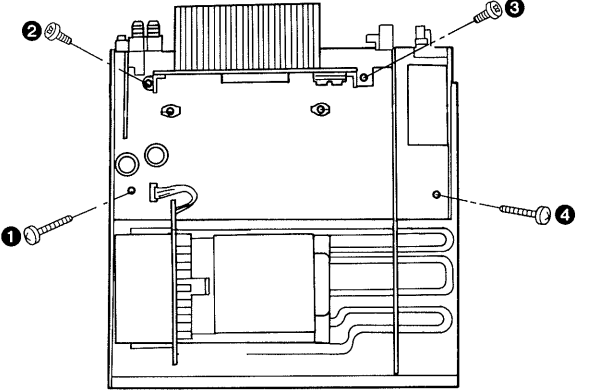
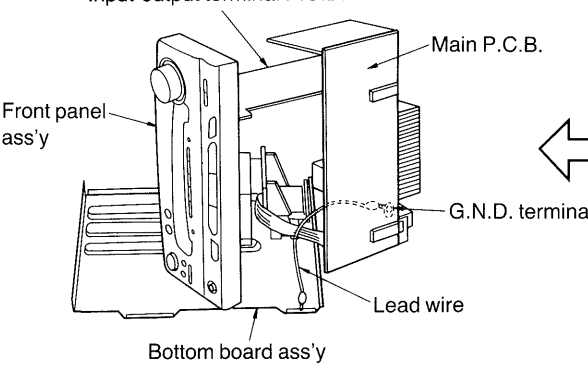
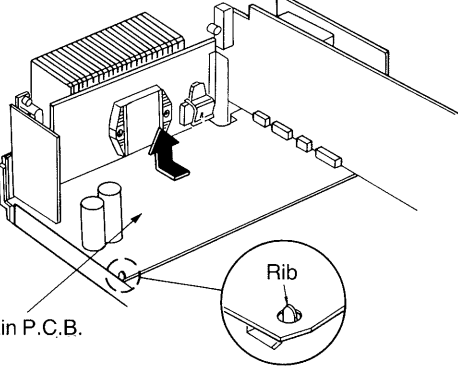
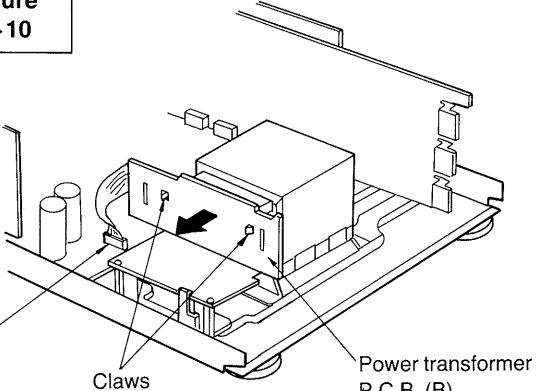
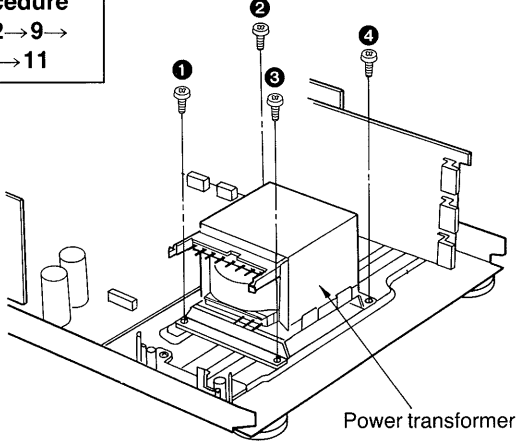
"E" appears on the display if the power cord has been once disconnected or there has been a power failure. If this happens, reset the time.

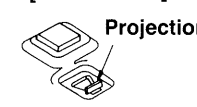
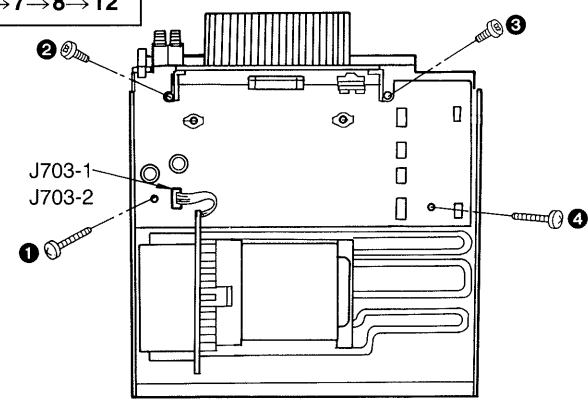
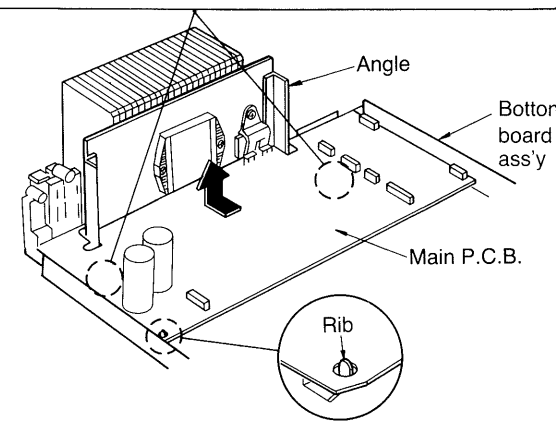
DISASSEMBLY INSTRUCTIONS

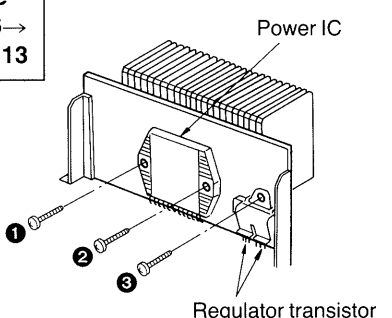
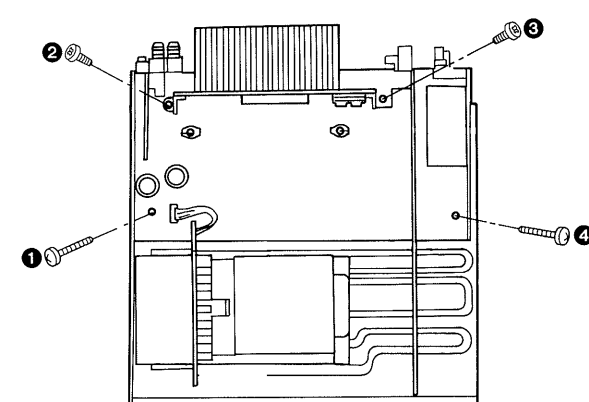
“ATTENTION SERVICER”

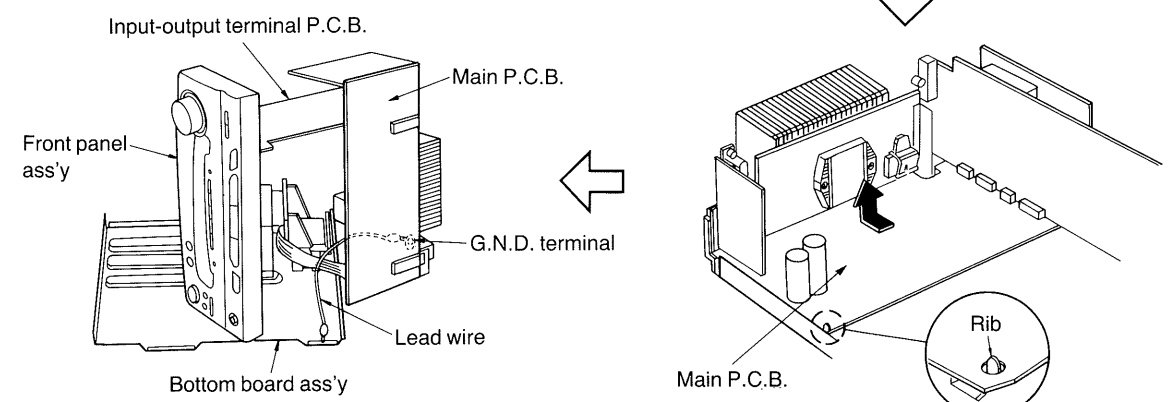
Some chassis components may have sharp edges. Be careful when disassembling and servicing.

Ref. No. 1	Removal of the Cabinet	Ref. No. 2	Removal of the Front Panel Ass'y
Procedure 1		Procedure 1→2	
 <p>1. Remove the 5 screws (1~5).</p> <p>2. Remove the cabinet in the direction of arrow.</p>		 <p>1. Remove the 2 screws (1, 2).</p> <p>2. Remove the front panel ass'y in the direction of arrow.</p>	
Ref. No. 3	Removal of the FL P.C.B.	Ref. No. 4	Removal of the Headphones Jack P.C.B.
Procedure 1→2→3		Procedure 1→2→3→4	
 <p>1. Pull out the volume knob.</p> <p>2. Remove the nut.</p> <p>3. Remove the 7 screws (1~7).</p> <p>4. Release the 2 claws.</p>		 <p>• Remove the headphones jack P.C.B. in the direction of arrow.</p>	
Ref. No. 5	Removal of the Rear Grill Ass'y		
Procedure 1→5			
 <p>1. Remove the 9 screws (1~9).</p>		 <p>2. Remove the 2 ribs.</p> <p>3. Remove the rear grill ass'y in the direction of arrow.</p>	

Ref. No. 6	Removal of the AC Input Terminal P.C.B. and Tuner P.C.B.	Ref. No. 7	Removal of the Input-output Terminal P.C.B.	Ref. No. 12	Removal of the main P.C.B.	<p>NOTE</p> <ul style="list-style-type: none"> Insert the projection on the angle into the hole of the bottom board ass'y and then install the Main P.C.B. <p>[Bottom view]</p> 	
Procedure 1→5→6	 <p>AC input terminal P.C.B.</p> <p>Tuner P.C.B.</p> <p>■ Removal of the AC Input Terminal P.C.B.</p> <ul style="list-style-type: none"> Remove the AC input terminal P.C.B. in the direction of arrow. <p>■ Removal of the tuner P.C.B.</p> <ul style="list-style-type: none"> Remove the tuner P.C.B. in the direction of arrow. 	Procedure 1→2→5→7	 <p>JK351</p> <p>Input-output terminal P.C.B.</p> <ol style="list-style-type: none"> Remove the 1 connector (JK351). Remove the input-output terminal P.C.B. in the direction of arrow. 	Procedure 1→2→5→ 6→7→8→12	 <p>J703-1</p> <p>J703-2</p> <ol style="list-style-type: none"> Remove the 4 screws (①~④). Remove the 1 flat cable (J703-1, J703-2). 	 <p>Angle</p> <p>Bottom board ass'y</p> <p>Main P.C.B.</p> <p>Rib</p> <ol style="list-style-type: none"> Remove the rib. Remove the main P.C.B. in the direction of arrow. 	
Ref. No. 8	Removal of the Fan Ass'y	Ref. No. 9	Removal of the Power Transformer P.C.B. (A)	Ref. No. 13	Removal of the Power IC and Regulator Transistor	Ref. No. 14	How to check the Main P.C.B.
Procedure 1→8	 <p>Fan ass'y</p> <p>JK351</p> <ol style="list-style-type: none"> Remove the 1 connector (JK351). Remove the 3 screws (①~③). 	Procedure 1→2→9	 <p>Rib</p> <p>Claw</p> <p>Power transformer P.C.B. (A)</p> <ol style="list-style-type: none"> Remove the 2 screws (①, ②). Release the 1 claw. Remove the 2 rib. Remove the power transformer P.C.B. (A) in the direction of arrow. 	Procedure 1→2→5→6→ 7→8→12→13	 <p>Power IC</p> <p>Regulator transistor</p> <ol style="list-style-type: none"> Unsolder the power IC or regulator transistors. Remove the 3 screws (①~③). <p>•When mounting the power IC or regulator transistor, apply silicone compound (RFKX0002) to the rear side of power IC or regulator transistors.</p>	Procedure 1→2→5→ 8→14	<ul style="list-style-type: none"> When checking the soldered surfaces of main P.C.B. and replacing the parts, do as show.  <ol style="list-style-type: none"> Remove the 4 screws (①~④).
Ref. No. 10	Removal of the Power Transformer P.C.B. (B)	Ref. No. 11	Removal of the Power Transformer	 <p>Input-output terminal P.C.B.</p> <p>Main P.C.B.</p> <p>Front panel ass'y</p> <p>G.N.D. terminal</p> <p>Lead wire</p> <p>Bottom board ass'y</p> <ol style="list-style-type: none"> Connect the G.N.D. terminal to the bottom board ass'y by the lead wire. Reinstall the front panel ass'y to the input-output terminal P.C.B. 	 <p>Main P.C.B.</p> <p>Rib</p> <ol style="list-style-type: none"> Remove the rib. Remove the main P.C.B. in the direction of arrow. 		
Procedure 1→2→10	 <p>J703-1</p> <p>J703-2</p> <p>Claws</p> <p>Power transformer P.C.B. (B)</p> <ol style="list-style-type: none"> Remove the 1 flat cable (J703-1, J703-2). Release the 2 claws. Remove the power transformer P.C.B. (B) in the direction of arrow. 	Procedure 1→2→9→ 10→11	 <p>Power transformer</p> <ul style="list-style-type: none"> Remove the 4 screws (①~④). 	<ol style="list-style-type: none"> Remove the 4 screws (①~④). 	<ol style="list-style-type: none"> Remove the 4 screws (①~④). 		

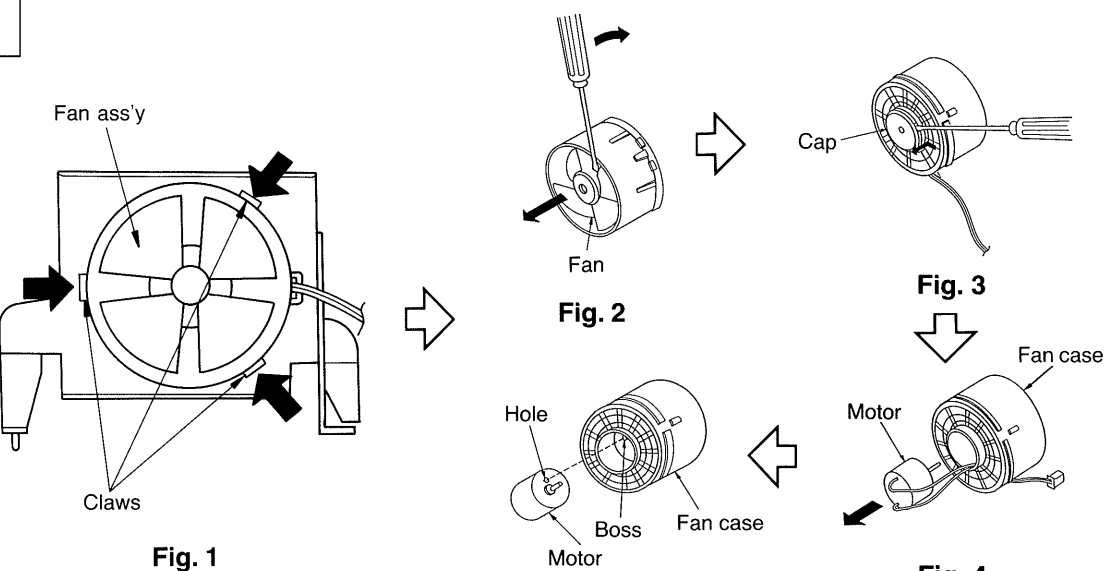
<p>Ref. No. 12</p>	<p>Removal of the main P.C.B.</p>	<p>NOTE</p> <ul style="list-style-type: none"> Insert the projection on the angle into the hole of the bottom board ass'y and then install the Main P.C.B. <p>[Bottom view]</p> 
<p>Procedure 1→2→5→ 6→7→8→12</p>  <p>1. Remove the 4 screws (1~4). 2. Remove the 1 flat cable (J703-1, J703-2).</p>	 <p>3. Remove the rib. 4. Remove the main P.C.B. in the direction of arrow.</p>	

<p>Ref. No. 13</p> <p>Removal of the Power IC and Regulator Transistor</p> <p>Procedure 1→2→5→6→ 7→8→12→13</p>  <p>1. Unsolder the power IC or regulator transistors. 2. Remove the 3 screws (1~3).</p> <p>•When mounting the power IC or regulator transistor, apply silicone compound (RFKX0002) to the rear side of power IC or regulator transistors.</p>	<p>Ref. No. 14</p> <p>How to check the Main P.C.B.</p> <p>Procedure 1→2→5→ 8→14</p> <p>•When checking the soldered surfaces of main P.C.B. and replacing the parts, do as show.</p>  <p>1. Remove the 4 screws (1~4).</p>
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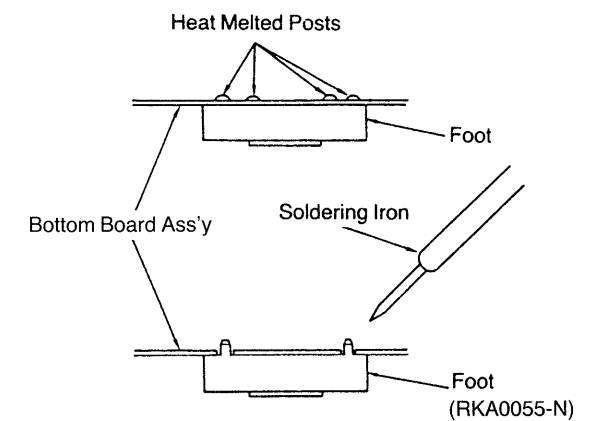
4. Connect the G.N.D. terminal to the bottom board ass'y by the lead wire.
5. Reinstall the front panel ass'y to the input-output terminal P.C.B.

2. Remove the rib.
3. Remove the main P.C.B. in the direction of arrow.

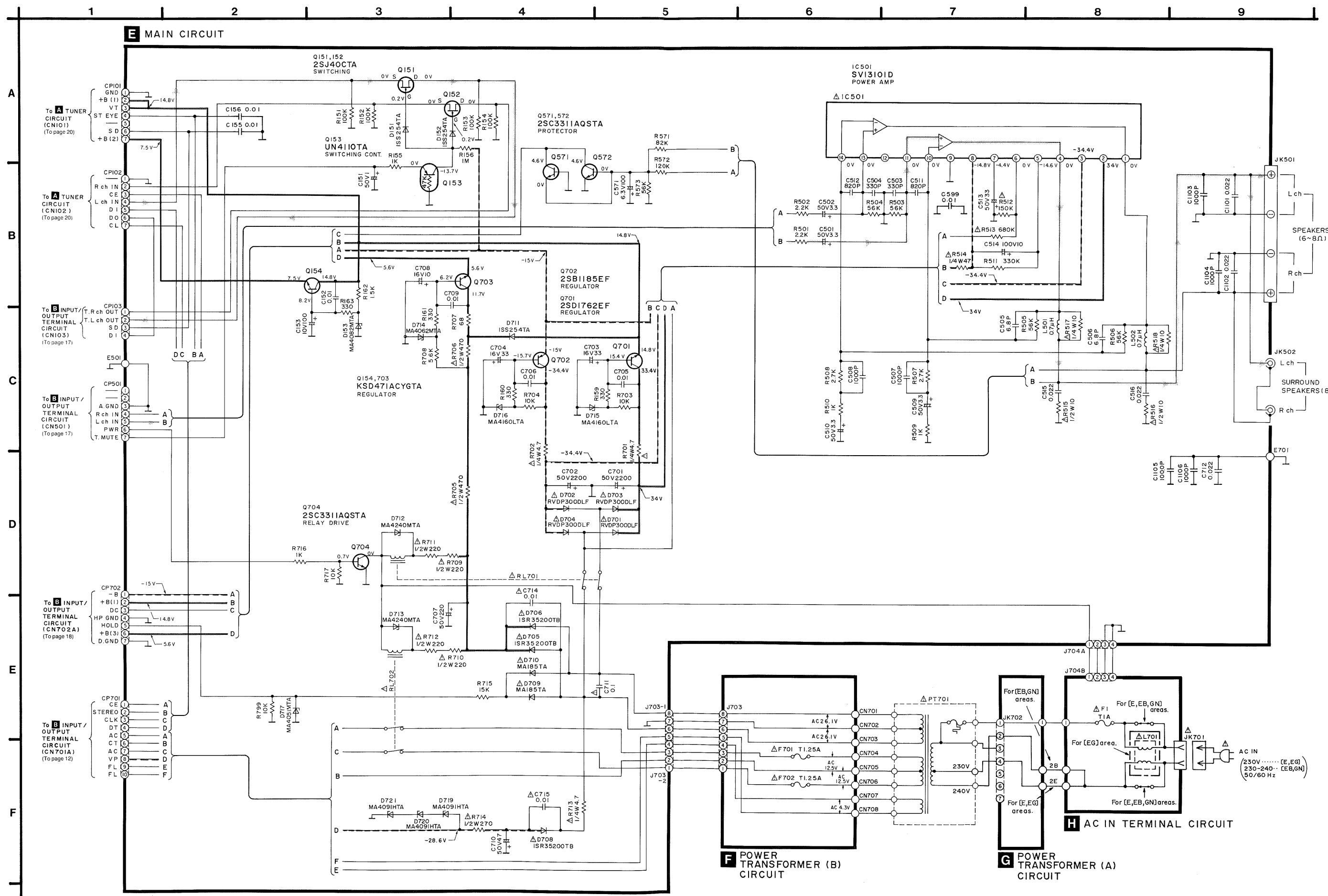
<p>Ref. No. 15</p> <p>Removal of the Fan Ass'y</p> <p>Procedure 1→8→15</p>	 <p>1. Release the 3 claws (shown in Fig. 1).</p> <p>2. Insert a screwdriver at the root of the fan (shown in Fig. 2).</p> <p>3. Remove the cap (shown in Fig. 3).</p> <p>4. Remove the motor from the fan case (shown in Fig. 4).</p> <p>5. When mounting the motor, align the fan case projection with the hole of the motor (shown in Fig. 5).</p>
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Replacement of the Foot.

- Remove the 4 heat melted posts on the bottom board ass'y with a pair of nippers or similar tool.
- To replace the foot (RKA0055-N) on the bottom board ass'y, melt the 4 posts with a soldering iron.



SCHEMATIC DIAGRAM • MAIN, POWER TRANSFORMER AND AC INPUT CIRCUIT (Parts list on pages 32~35.)



- Notes:
- S601 : Power
 - S602 : Timer
 - S603 : Timer
 - S604 : Clock/
 - S605 : Timer
 - S606 : Timer
 - S607 : Setting
 - S608 : Preset
 - S609 : Preset
 - S610 : Preset
 - S611 : Band s
 - S612 : Tuning
 - S613 : Tuning
 - S614 : FM mc
 - S615 : Balanc
 - S616 : Balanc
 - S617 : Input s
 - S618 : Input s
 - S619 : Input s
 - S620 : Input s
 - S621 : Input s
 - S701 : VOLT/
- Indicated voltage val
chassis taken as sta
Therefore, there may
No mark: FM mode

•Important safety noti
Components identifi
Furthermore, special
are used. When repl

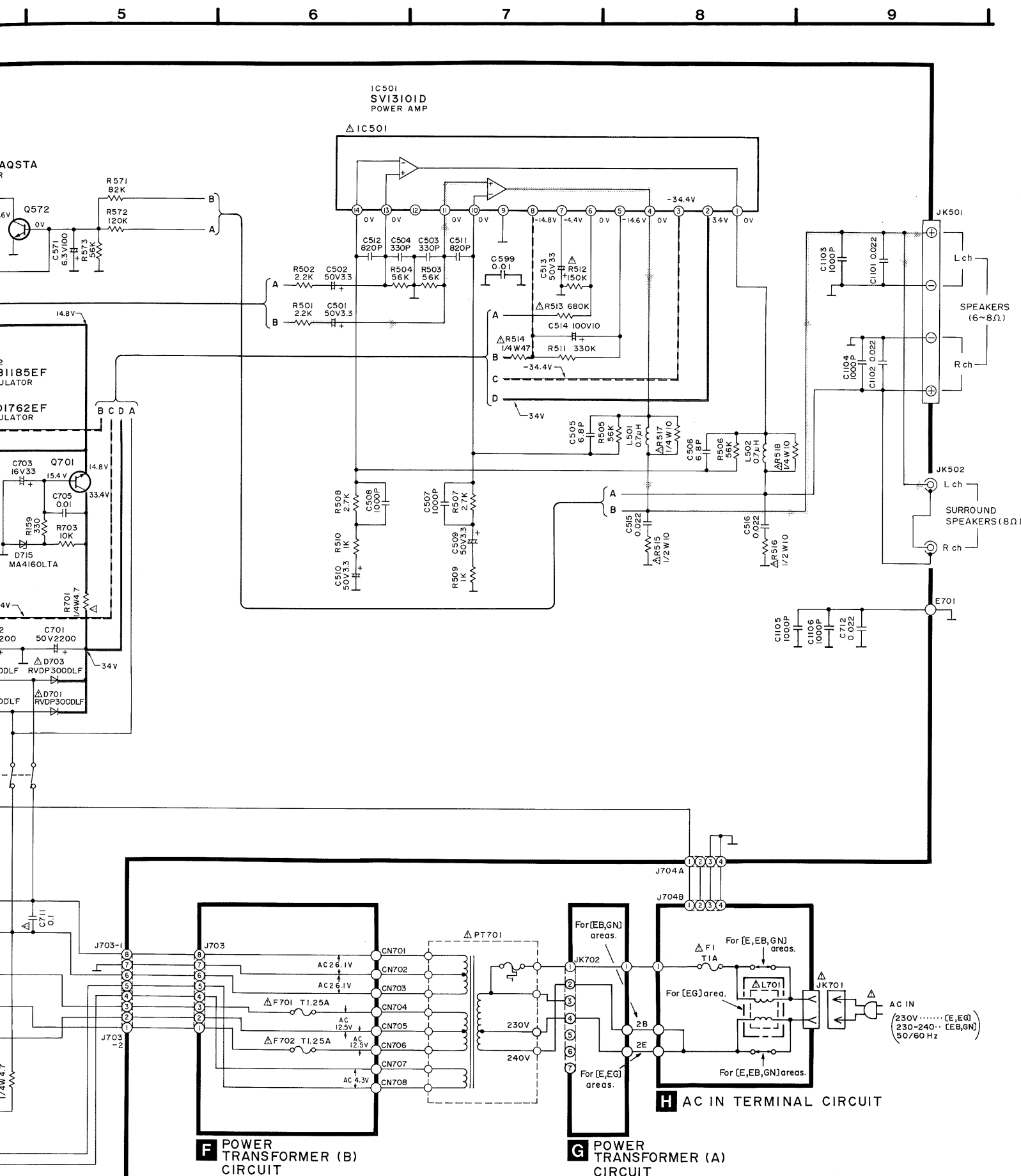
•Caution!
IC and LSI are sensit
Secondary trouble ca
Cover the parts boxe
Ground the soldering
Put a conductive mat
Do not touch the legs

•The supply part num

Ref. No.	Part No.
IC202	
IC203	
IC351	
IC301	
IC602	

•This schematic diag

PUT CIRCUIT (Parts list on pages 32~35.)



Notes:

- S601 : Power "STANDBY \odot /ON" switch (POWER/STANDBY \odot /ON)
- S602 : Timer recording switch (REC TIMER)
- S603 : Timer play switch (PLAY TIMER)
- S604 : Clock/timer switch (CLOCK/TIMER)
- S605 : Timer select switch (\blacktriangledown)
- S606 : Timer select switch (\blacktriangle)
- S607 : Setting switch (SET)
- S608 : Preset memory switch (MEMORY, -MANUAL, -AUTO)
- S609 : Preset tuning switch (\blacktriangledown)
- S610 : Preset tuning switch (\blacktriangle)
- S611 : Band select/allocation charge switch (-BAND -ALLOCATION)
- S612 : Tuning switch (\blacktriangledown)
- S613 : Tuning switch (\blacktriangle)
- S614 : FM mode switch (FM MODE)
- S615 : Balance adjustment switch (BALANCE L)
- S616 : Balance adjustment switch (BALANCE R)
- S617 : Input select switch (PHONO)
- S618 : Input select switch (TAPE)
- S619 : Input select switch (CD)
- S620 : Input select switch (TUNER)
- S621 : Input select switch (DAT)
- S701 : VOLTAGE SELECTOR switch in "220 V" position (110 V/127 V/220 V/240 V) for (GC) area only

•Indicated voltage values are the standard values for the unit measured by the DC electronic circuit tester (high-impedance) with the chassis taken as standard.

Therefore, there may exist some errors in the voltage values, depending on the internal impedance of the DC circuit tester.
No mark: FM mode () : MW mode < > : LW mode

•Important safety notice:

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

•Caution!

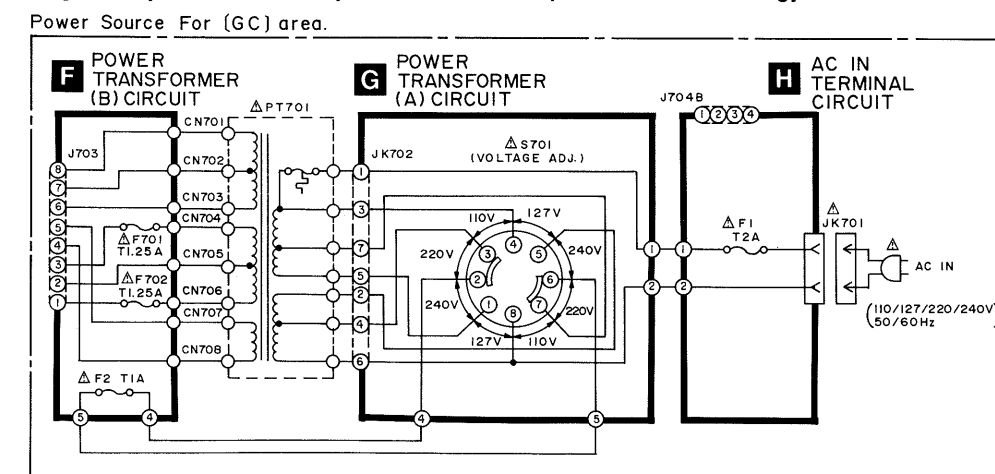
IC and LSI are sensitive to static electricity. Secondary trouble can be prevented by taking care during repair. Cover the parts boxes made of plastics with aluminum foil. Ground the soldering iron. Put a conductive mat on the work table. Do not touch the legs of IC or LSI with the fingers directly.

•The supply part number is described alone in the replacement parts list.

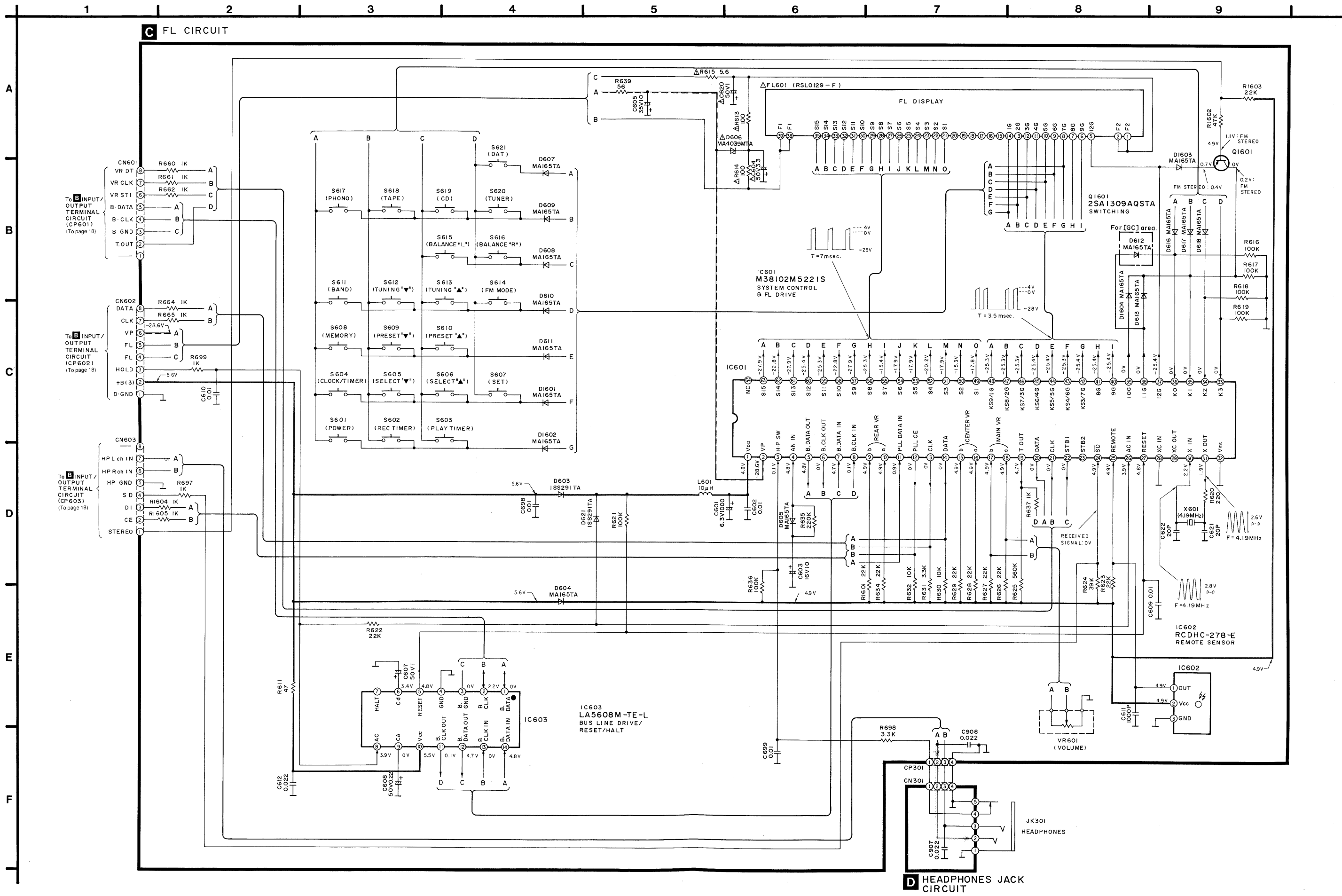
Ref. No.	Production Parts No.	Supply Parts No.
IC202 IC203 IC351	BA4558FT1	SVIBA4558F
IC301	M5218AL	M5218L
IC602	RCDHC-278-E	RCDHC-278

- : Positive voltage line
- : Negative voltage line
- ⋯⋯⋯ : AF signal line

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



SCHEMATIC DIAGRAM • FL AND HEADPHONES CIRCUIT (Parts list on pages 32~35.)



D HEADPHONES JACK CIRCUIT

SCHEMATIC DIAGRAM • TUNER CIRCUIT (Parts list on pages 32~35.)

→ : AM signal line

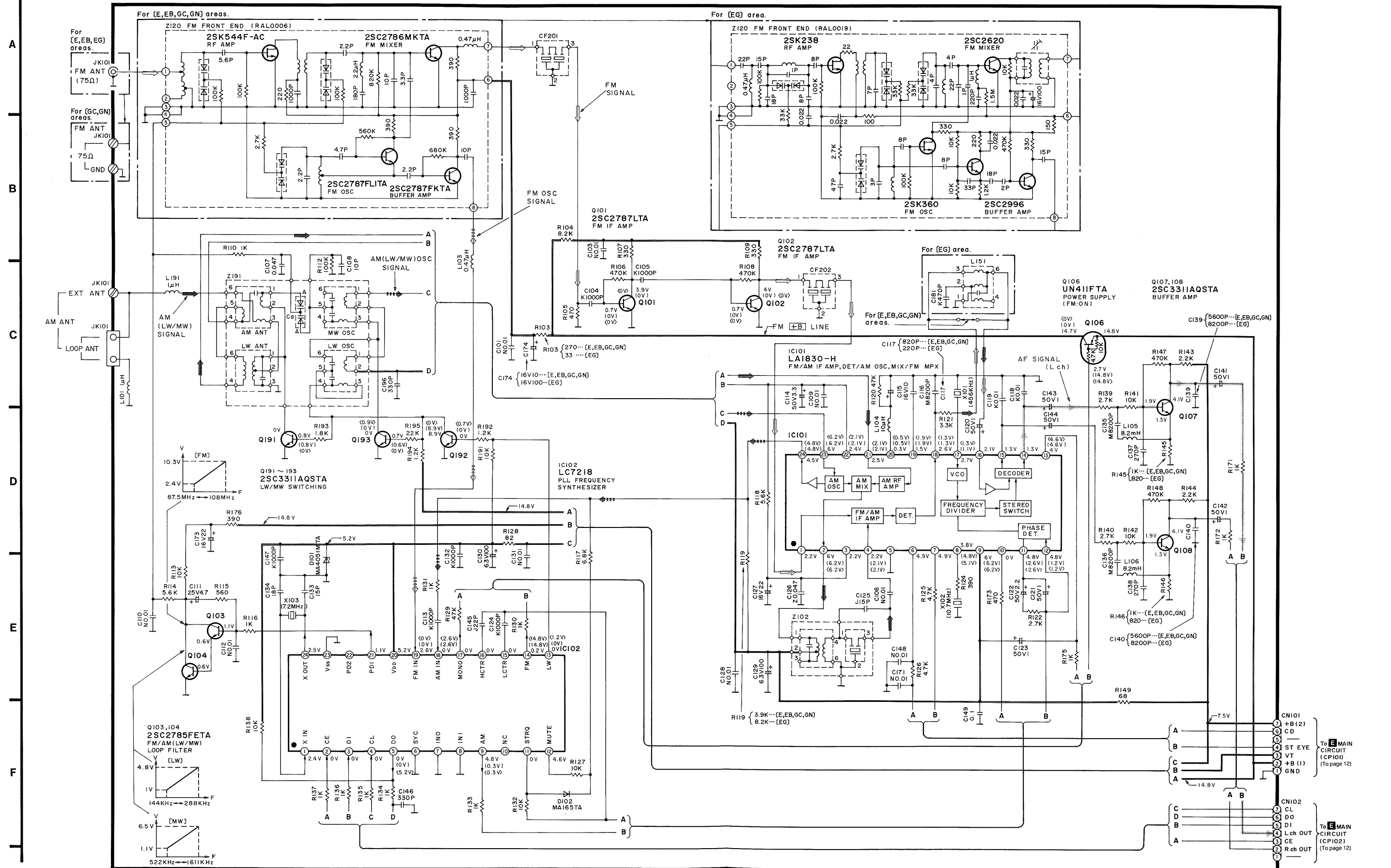
→ : FM signal line

■ ■ ■ → : AM OSC signal line

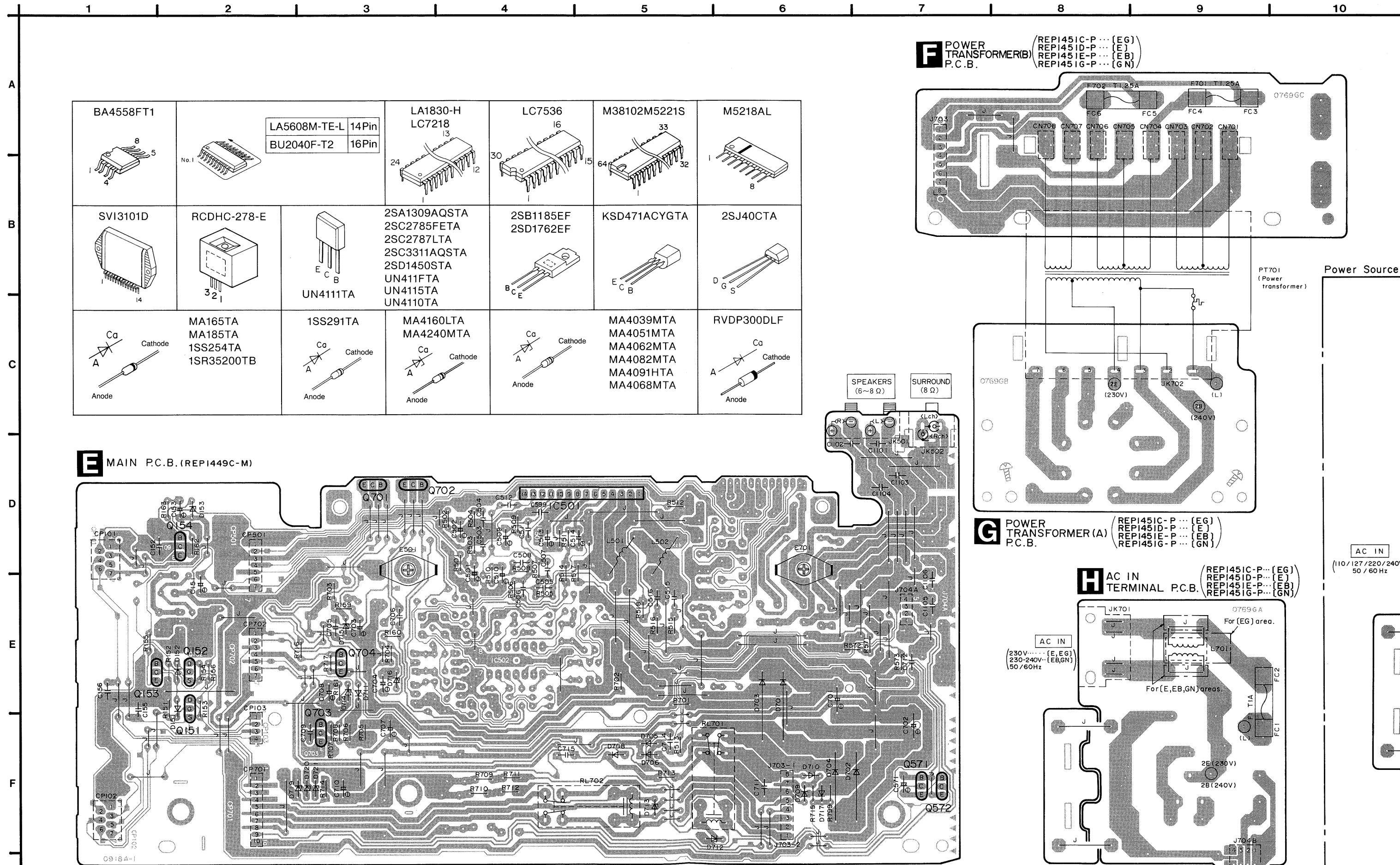
□ □ □ → : FM OSC signal line

A TUNER CIRCUIT

Indicated voltage values are the standard values for the unit measured by the DC electronic circuit tester (high-impedance) with the chassis taken as standard. Therefore, there may exist some errors in the voltage values, depending on the internal impedance of the DC circuit tester. No mark: FM mode (): MW mode < >: LW mode



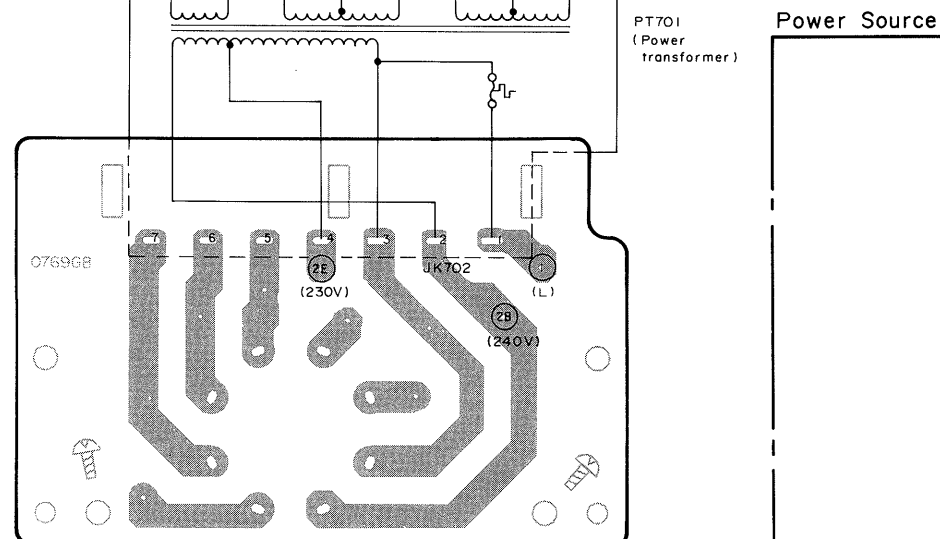
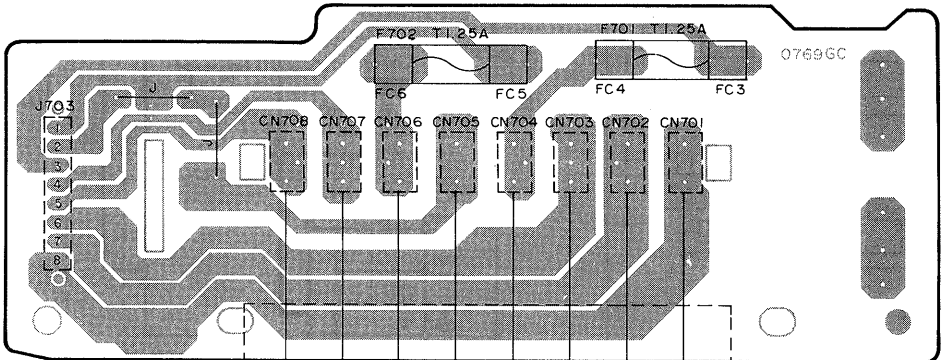
PRINTED CIRCUIT BOARD DIAGRAM



<p>BA4558FT1</p>	<p>LA5608M-TE-L 14Pin</p> <p>BU2040F-T2 16Pin</p>	<p>LA1830-H LC7218</p>	<p>LC7536</p>	<p>M38102M5221S</p>	<p>M5218AL</p>	
<p>SVI3101D</p>	<p>RCDHC-278-E</p>	<p>UN4111TA</p>	<p>2SA1309AQSTA 2SC2785FETA 2SC2787LTA 2SC3311AQSTA 2SD1450STA UN411FTA UN4115TA UN4110TA</p>	<p>2SB1185EF 2SD1762EF</p>	<p>KSD471ACYGTA</p>	<p>2SJ40CTA</p>
<p>1SS254TA 1SR35200TB</p>	<p>1SS291TA</p>	<p>MA4160LTA MA4240MTA</p>	<p>MA4039MTA MA4051MTA MA4062MTA MA4082MTA MA4091HTA MA4068MTA</p>	<p>RVDP300DLF</p>		

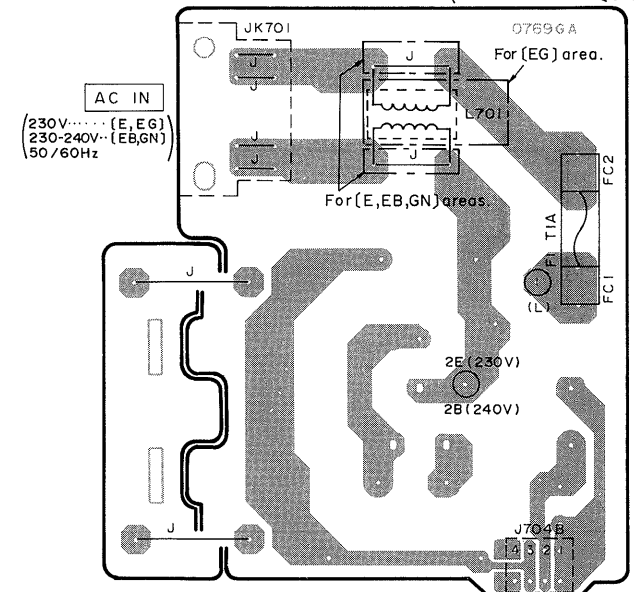
E MAIN P.C.B. (REP1449C-M)

F POWER TRANSFORMER(B) P.C.B. (REP1451C-P... [EG], REP1451D-P... [E], REP1451E-P... [EB], REP1451G-P... [GN])



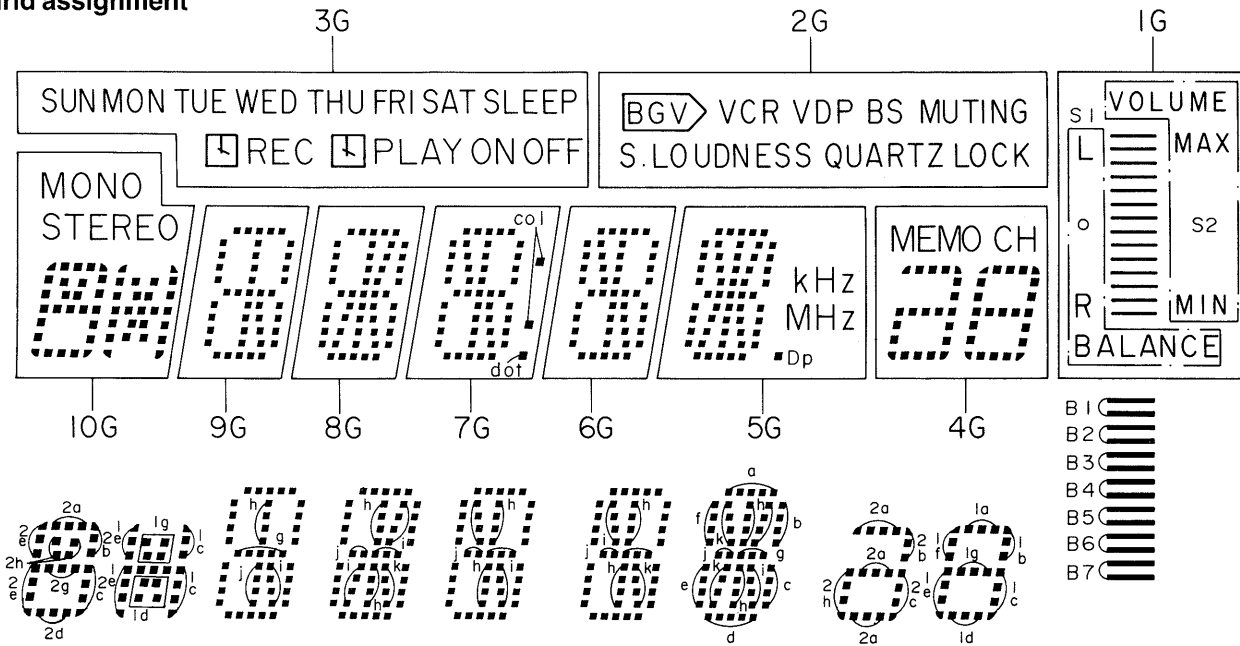
G POWER TRANSFORMER (A) P.C.B. (REP1451C-P... [EG], REP1451D-P... [E], REP1451E-P... [EB], REP1451G-P... [GN])

H AC IN TERMINAL P.C.B. (REP1451C-P... [EG], REP1451D-P... [E], REP1451E-P... [EB], REP1451G-P... [GN])



DESCRIPTION OF FL PANEL (FL601: RSL0129-F)

Grid assignment



Pin connection

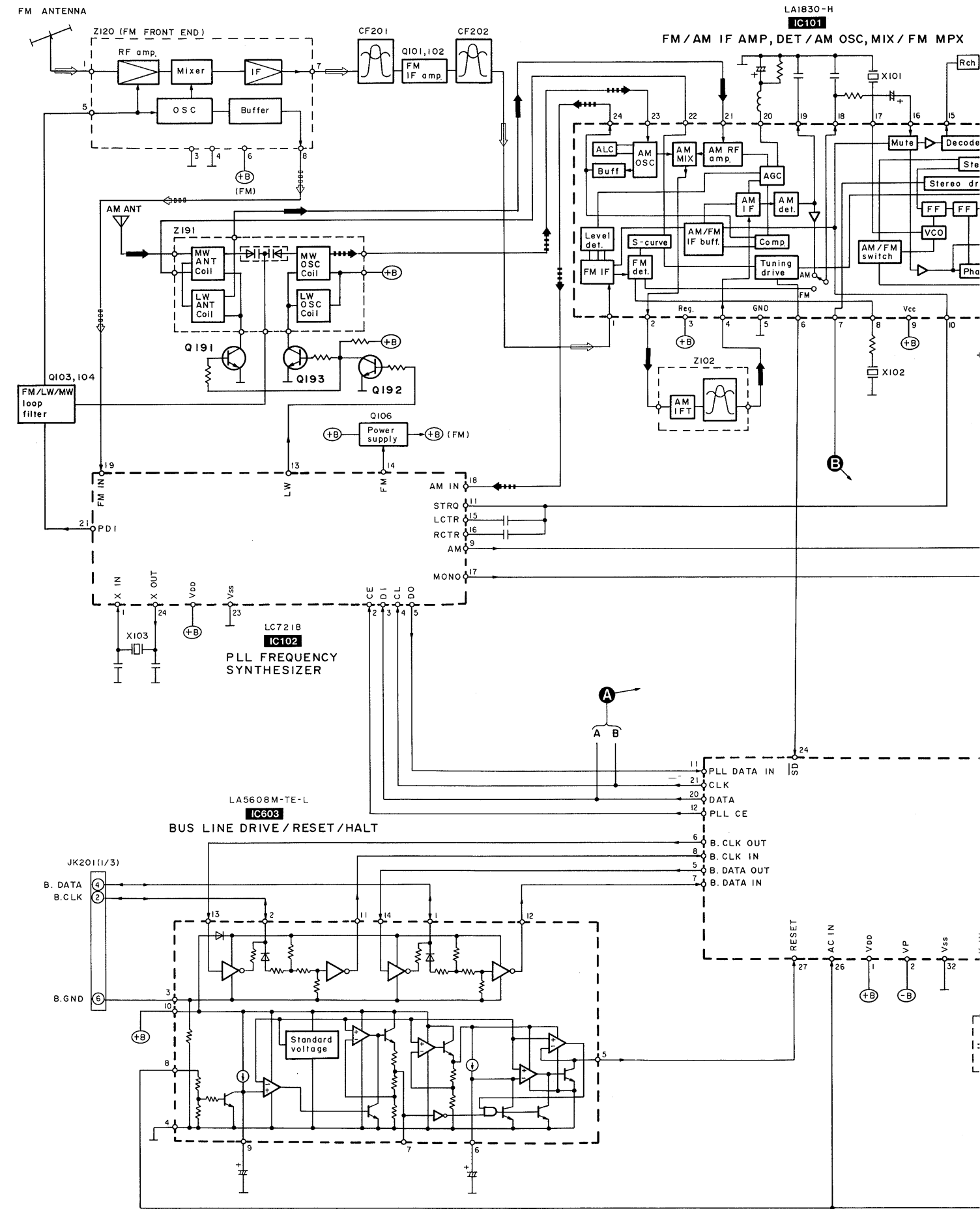
Pin No.	3	3	3	3	3	3	3	3	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	9	8	7	6	5	4	3	2	1
Terminal Name	F	F	N	N	P	P	P	P	P	P	P	P	P	P	P	N	N	C	I	9	8	7	6	5	4	3	2	I	N	N	F	F
	I	I	P	P	I	I	I	I	0	9	8	7	6	5	4	3	2	I	C													

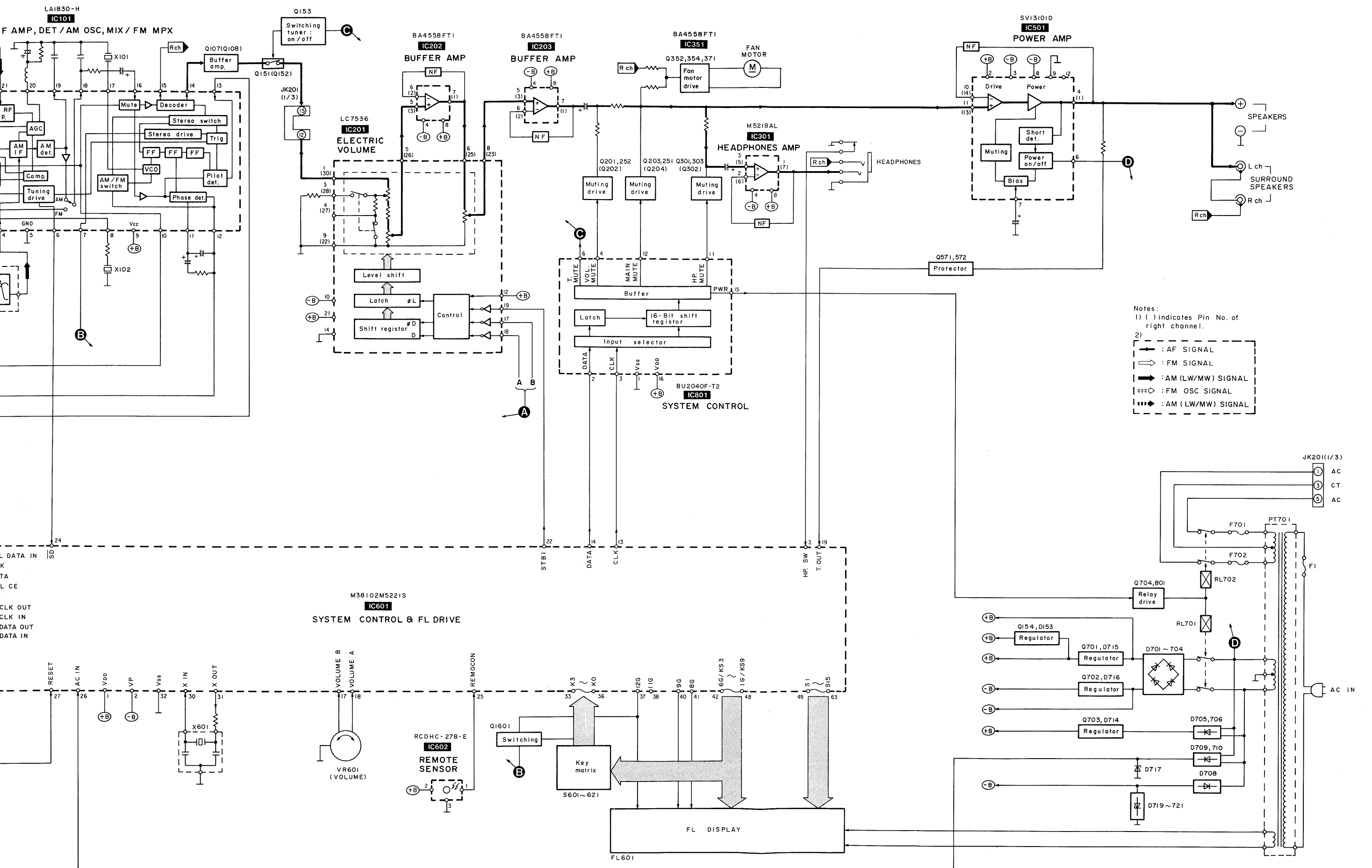
Notes: ●F1, F2...Filament ●NP...No pin ●NC...No connection
●1G~12G...Grid

Anode connection

	10G	9G	8G	7G	6G	5G	4G	3G	2G	1G
P1	2d	d	d	d	d	d	—	SLEEP	MUTING	B7
P2	2e	e	e	e	e	e	—	ON	QUARTZ LOCK	B6
P3	2c	c	c	c	c	c	2c	PLAY	—	B5
P4	2g	g	g	g	g	g	2b	OFF	—	B4
P5	—	f	f	f	f	f	2a	REC	S. LOUDNESS	B3
P6	2b	b	b	b	b	b	MEMO	—	—	B2
P7	2a	a	a	a	a	a	CH	—	BGV	B1
P8	2h	h	h	h	h	h	2h	SAT	VCR	S2
P9	1d	i	i	i	i	i	1d	FRI	VDP	S1
P10	1e	j	j	j	j	j	1e	THU	BS	—
P11	1c	—	k	—	k	k	1c	WED	—	—
P12	1g	—	—	—	—	l	1g	TUE	—	—
P13	—	—	—	Col	—	kHz	1f	MON	—	—
P14	STEREO	—	—	dot	—	MHz	1b	SUN	—	—
P15	MONO	—	—	—	—	Dp	1a	—	—	—

BLOCK DIAGRAM





Notes:
 1) () indicates Pin No. of right channel.
 2)
 → : AF SIGNAL
 ⇨ : FM SIGNAL
 ⇨ : AM (LW/MW) SIGNAL
 ⇨ : FM OSC SIGNAL
 ⇨ : AM (LW/MW) SIGNAL

■ FUNCTION OF IC TERMINALS

● IC601 (M38102M5221S)

Pin No.	Terminal Name	I/O	Function
1	V _{DD}	—	Power supply (+5 V)
2	VP	—	Pull-down voltage
3	HP. SW	I	Headphone switch
4	AN IN	I	CR timer during backup
5	B.DATA OUT	O	Bus data output
6	B.CLK OUT	O	Bus clock output
7	B.DATA IN	I	Bus data input
8	B.CLK IN	I	Bus clock input
9	REAR VR. b	I	Rotary encoder input (for REAR)
10	REAR VR. a	I	Rotary encoder input (for REAR)
11	PLL DATA IN	I	Serial data input for PLL tuner
12	PLL CE	O	Serial chip enable output for PLL tuner
13	CLK	O	Clock for M50253
14	DATA	O	Clock for M50253
15	CENTER VR. b	I	Rotary encoder input (for CENTER)
16	CENTER VR. a	I	Rotary encoder input (for CENTER)
17	MAIN VR. b	I	Rotary encoder input (for MAIN)
18	MAIN VR. a	I	Rotary encoder input (for MAIN)
19	T OUT	I/O	I: Starting clock adjustment O: 131.072 kHz (POWER OFF) Malfunction detection (POWER ON)
20	DATA	O	Data output for LC7536 & PLL tuner
21	CLK	O	Clock output for LC7536 & PLL tuner
22	STB1	O	Strobing for LC7536 (switched)

Pin No.	Terminal Name	I/O	Function
23	STB2	—	No use
24	$\overline{/SD}$	I	Tuner/SD input
25	REMOTE	I	Remote control input
26	AC IN	I	Power down input
27	RESET	I	No use
28	XC IN	—	No use
29	XC OUT	—	
30	X IN	I	4.194304 oscillator
31	X OUT	O	
32	V _{SS}	—	Power supply (GND)
33	K3	I	Key input
34	K2	I	Key input
35	K1	I	Key input
36	K0	I	Key input
37	12G	O	Digit 12 & key scan (lock switch)
38	11G	O	Digit 11 (No use) & RESET
39	10G	O	Digit 10 (No use) & RESET
40	9G	O	Digit 9
41	8G	O	Digit 8
42	KS3/7G	O	Digit 7 & key scan
43	KS4/6G	O	Digit 6 & key scan
44	KS5/5G	O	Digit 5 & key scan
45	KS6/4G	O	Digit 4 & key scan
46	KS7/3G	O	Digit 3 & key scan
47	KS8/2G	O	Digit 2 & key scan
48	KS9/1G	O	Digit 1 & key scan
49 } 63	S1 } S15	O	Segment output
64	NC	—	No use

REPLACEMENT PARTS LIST

Notes: *Important safety notice:

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

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

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

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

Parts without these indications can be used for all areas.

*Remote Control Ass'y:

Supply period for three years from termination of production.

Ref. No.	Part No.	Part Name & Description	Remarks	Ref. No.	Part No.	Part Name & Description	Remarks
		INTEGRATED CIRCUIT(S)		D371	MA165	DIODE	
IC101	LA1830-H	I. C, FM/AM IF AMP. /AM OSC		D603	1SS291TA	DIODE	
IC102	LC7218	I. C, PLL FREQ. SYNTHESIZER		D604, 605	MA165	DIODE	
IC201	LC7536	I. C, ELECTRIC VOLUME		D606	MA4039MTA	DIODE	Δ
IC202, 203	SV1BA4558F	I. C, BUFFER AMP.		D607-611	MA165	DIODE	
IC301	M5218L	I. C, HEADPHONES AMP.		D612	MA165	DIODE	(GC)
IC351	SV1BA4558F	I. C, SIGNAL DET.		D613	MA165	DIODE	
IC501	SV13101D	I. C, POWER AMP.	Δ	D616-618	MA165	DIODE	
IC601	M38102M5221S	I. C, FL DRIVE/SYSTEM CONT.		D621	1SS291TA	DIODE	
IC602	RCDHC-278	I. C, REMOTE SENSOR		D701-704	RVDP300DLF	DIODE	Δ
IC603	LA5608M-TE-L	I. C, BUS LINE/HALT/RESET		D705, 706	1SR35200TB	DIODE	Δ
IC801	BU2040F-T2	I. C, SYSTEM CONT.		D708	1SR35200TB	DIODE	Δ
		TRANSISTOR(S)		D709, 710	MA185TA	DIODE	Δ
Q101, 102	2SC2787L	TRANSISTOR		D711	1SS254TA	DIODE	
Q103, 104	2SC2785FE	TRANSISTOR		D712, 713	MA4240H	DIODE	
Q106	UN411FTA	TRANSISTOR		D714	MA4062MTA	DIODE	
Q107, 108	2SC3311A-Q	TRANSISTOR		D715, 716	MA4160-L	DIODE	
Q151, 152	2SJ40CTA	TRANSISTOR		D717	MA4051MTA	DIODE	
Q153	UN4110TA	TRANSISTOR		D719-721	MA4091HTA	DIODE	
Q154	KSD471ACYGTA	TRANSISTOR		D1601-1604	MA165	DIODE	
Q191-193	2SC3311A-Q	TRANSISTOR				VARIABLE RESISTOR(S)	
Q201-204	2SD1450RTA	TRANSISTOR		VR601	EVQWVF2024B	V. R, VOLUME CONTROL	
Q251, 252	UN4115	TRANSISTOR				COMPONENT COMBINATION(S)	
Q301, 302	2SD1450RTA	TRANSISTOR		Z102	RL122006M-T	COMPONENT COMBINATION	
Q303	UN4111	TRANSISTOR		Z120	RAL0006	TUNER PACK(FM FRONT END)	(E, EB, GC, GN)
Q352	KSD471ACYGTA	TRANSISTOR		Z120	RAL0019	TUNER PACK(FM FRONT END)	(EG)
Q354	2SC3311A-Q	TRANSISTOR		Z191	RLA6Z005M-T	COMPONENT COMBINATION	
Q371	2SC3311A-Q	TRANSISTOR				COIL(S)	
Q571, 572	2SC3311A-Q	TRANSISTOR		L101	ELESN1ROMA	COIL	
Q701	2SD1762EF	TRANSISTOR		L103	ELEXTA7MA9	COIL	
Q702	2SB1185EF	TRANSISTOR		L104	ELEXT100KA9	COIL	
Q703	KSD471ACYGTA	TRANSISTOR		L105, 106	RLQZB822KT-D	COIL	
Q704	2SC3311A-Q	TRANSISTOR		L151	SLM1B10M-1M	COIL	(EG)
Q801	UN4111	TRANSISTOR		L191	ELESN1ROMA	COIL	
Q1601	2SA1309A-R	TRANSISTOR		L501, 502	SLQY07G-40	COIL	
		DIODE(S)		L601	ELEXT100KA9	COIL	
D101	MA4051MTA	DIODE		L701	RLQZ600M-W	COIL	Δ (EG)
D102	MA165	DIODE				FILTER(S)	
D151, 152	1SS254TA	DIODE		CF201, 202	RLFFETWND01M	CERAMIC FILTER	(E, EB, GC, GN)
D153	MA4082MTA	DIODE		CF201, 202	RLFFETMGD01L	CERAMIC FILTER	(EG)
D291	MA165	DIODE				OSCILLATOR(S)	
D351	MA165	DIODE					
D352	MA4068M	DIODE					

Ref. No.	Part No.	Part Name & Description	Remarks	Ref. No.	Part No.	Part Name & Description	Remarks
X101	RSXZ456K07M	OSCILLATOR		CP701	RJT057W010-1	CONNECTOR (10P)	
X102	RLFDFTD03M	OSCILLATOR		CP702	RJT057W007-1	CONNECTOR (7P)	
X103	SVQ49U722-S	OSCILLATOR				EARTH TERMINAL (S)	
X601	RSXA4M19S02T	OSCILLATOR		E501	SNE1004-1	GND PLATE	
		DISPLAY		E701	SNE1004-1	GND PLATE	
FL601	RSL0129-F	FL DISPLAY	△			FUSE HOLDER(S)	
		SWITCH(ES)		FC1-6	EYF52BC	FUSE HOLDER	△
S601	EVQ21405R	SW, POWER		FC7, 8	EYF52BC	FUSE HOLDER	△(GC)
S602	EVQ21405R	SW, REC. TIMER				RELAY (S)	
S603	EVQ21405R	SW, PLAY TIMER		RL701, 702	RSY0013M-0	RELAY	△
S604	EVQ21405R	SW, CLOCK/TIMER				JACK(S)	
S605	EVQ21405R	SW, SELECT (DOWN)		JK101	RJH4202M	ANTENNA TERMINAL	(E, EB, EG)
S606	EVQ21405R	SW, SELECT (UP)		JK101	RJH4405-1M	ANTENNA TERMINAL	(GC, GN)
S607	EVQ21405R	SW, SET		JK201	RJT065K15	CONNECTOR (15P)	
S608	EVQ21405R	SW, MEMORY		JK301	RJJD7S2YA-C	HEADPHONES JACK	
S609	EVQ21405R	SW, PRESET (DOWN)		JK351	SJT3213	CONNECTOR (2P)	
S610	EVQ21405R	SW, PRESET (UP)		JK501	RJR0054M	SPEAKER TERMINAL	
S611	EVQ21405R	SW, BAND		JK502	SJF3068-6N	SURROUND S. P. TERMINAL	
S612	EVQ21405R	SW, TUNING (DOWN)		JK701	SJS9236	AC INLET	△(E, EB, EG, GC)
S613	EVQ21405R	SW, TUNING (UP)		JK701	SJSD16	AC INLET	△(GN)
S614	EVQ21405R	SW, FM MODE		JK702	SJS702-1	CONNECTOR (7P)	
S615	EVQ21405R	SW, BALNCE (L)				TRANSFORMER(S)	
S616	EVQ21405R	SW, BALNCE (R)		PT701	RTP1M5B010	POWER TRANSFORMER	△(E, EB, EG, GN)
S617	EVQ21405R	SW, PHONO		PT701	RTP1M5G005	POWER TRANSFORMER	△(GC)
S618	EVQ21405R	SW, TAPE				FUSE (S)	
S619	EVQ21405R	SW, CD		F1	XBA2C10TB0	FUSE	△(E, EB, EG, GN)
S620	EVQ21405R	SW, TUNER		F1	XBA2C20TB0	FUSE	△(GC)
S621	EVQ21405R	SW, DAT		F2	XBA2C10TB0	FUSE	△(GC)
S701	ESE37263	SW, VOLTAGE ADJ.	△(GC)	F701, 702	XBA2C12TB0	FUSE	△
		CONNECTOR (S)					
J703	RWJ1808110XX	FLAT CABLE (8P)					
J703-1, 2	RJS1A6604	SOCKET (4P)					
J704A	RJT057W004-1	CONNECTOR (4P)					
J704B	RJU057W004	SOCKET (4P)					
CN101, 102	RJU063W07T	SOCKET (7P)					
CN103	RJU057W004	SOCKET (4P)					
CN301	RJU057W004	SOCKET (4P)					
CN501	RJU057W007	SOCKET (7P)					
CN601-603	RJT003K008-1	CONNECTOR (8P)					
CN701	RJS1A1101T1	SOCKET (1P)					
CN701A	RJU057W010	SOCKET (10P)					
CN702	RJS1A1101T1	SOCKET (1P)					
CN702A	RJU057W007	SOCKET (7P)					
CN703-708	RJS1A1101T1	SOCKET (1P)					
CP101, 102	RJT063W07T	CONNECTOR (7P)					
CP103	RJT057W004-1	CONNECTOR (4P)					
CP301	RJT057W004-1	CONNECTOR (4P)					
CP501	RJT057W007-1	CONNECTOR (7P)					
CP601-603	RJU003K008M1	SOCKET (8P)					

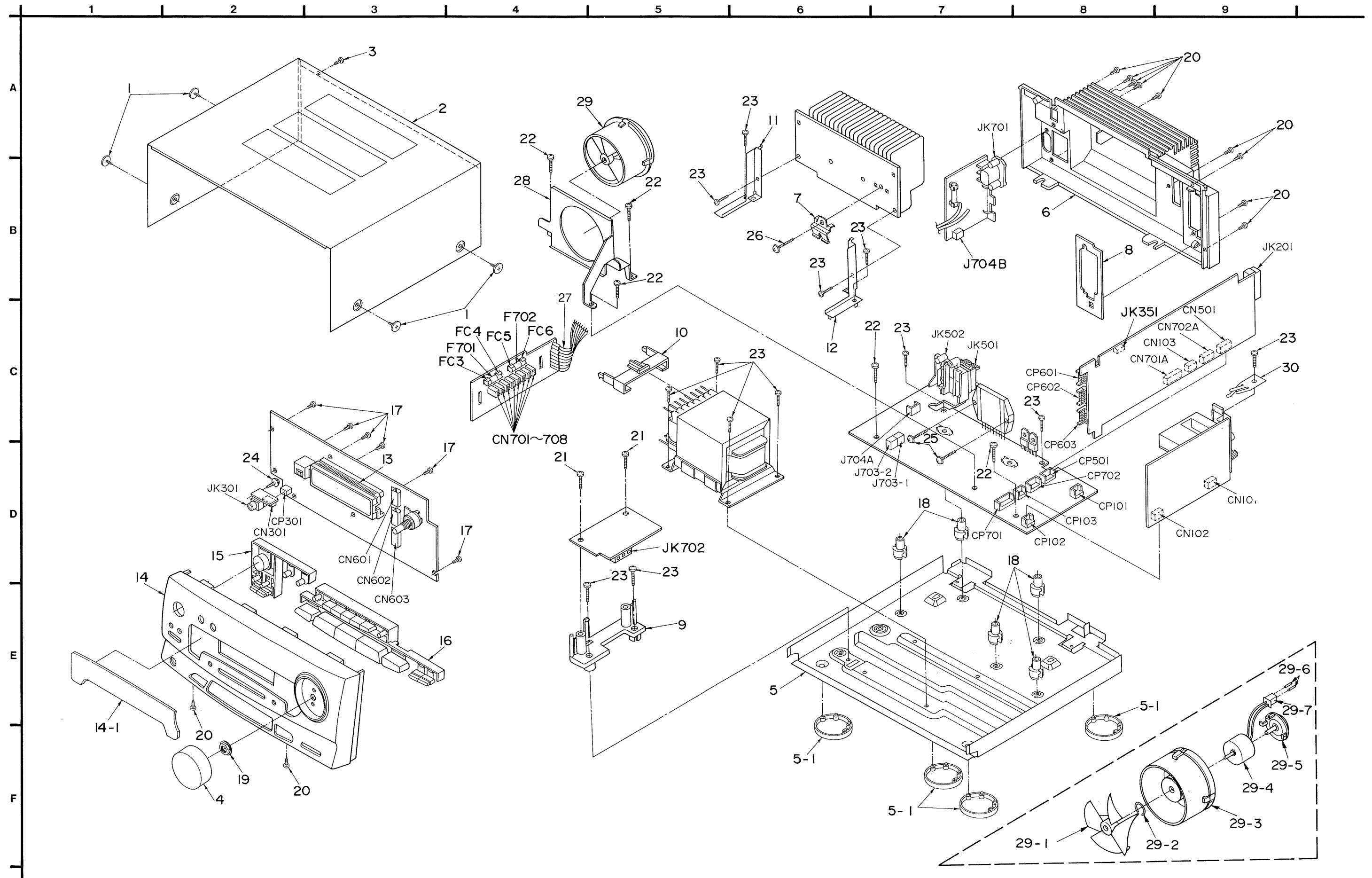
Notes : * Capacity values are in microfarads (uF) unless specified otherwise, P=Pico-farads (pF) F=Farads (F)
* Resistance values are in ohms, unless specified otherwise, 1K=1,000(OHM) , 1M=1,000k(OHM)

Ref. No.	Part No.	Values & Remarks	Ref. No.	Part No.	Values & Remarks	Ref. No.	Part No.	Values & Remarks
			R175	ERDS2TJ102	1/4W 1K	R371	ERDS2TJ103	1/4W 10K
		RESISTORS	R176	ERDS2TJ391	1/4W 390	R372	ERDS2TJ823T	1/4W 82K
			R191	ERDS2TJ103	1/4W 10K	R373	ERDS2TJ222	1/4W 2.2K
R103	ERDS2TJ271	1/4W 270 E, EB, GC, GN	R192	ERDS2TJ122	1/4W 1.2K	R374	ERDS2TJ473	1/4W 47K
R103	ERDS2TJ330T	1/4W 33 EG	R193	ERDS2TJ182	1/4W 1.8K	R375	ERDS2TJ153	1/4W 15K
R104	ERDS2TJ822	1/4W 8.2K	R194	ERDS2TJ122	1/4W 1.2K	R398	ERDS2TJ332	1/4W 3.3K
R105	ERDS2TJ471	1/4W 470	R195	ERDS2TJ223	1/4W 22K	R399	ERDS2TJ154	1/4W 150K
R106	ERDS2TJ474	1/4W 470K	R201, 202	ERDS2TJ222	1/4W 2.2K	R501, 502	ERDS2TJ222	1/4W 2.2K
R107	ERDS2TJ331	1/4W 330	R203, 204	ERDAS3G223T	1/4W 22K	R503-506	ERDS2TJ563	1/4W 56K
R108	ERDS2TJ474	1/4W 470K	R205, 206	ERDS2TJ154	1/4W 150K	R507, 508	ERDS2TJ272T	1/4W 2.7K
R109	ERDS2TJ331	1/4W 330	R207, 208	ERDAS3G563T	1/4W 56K	R509, 510	ERDS2TJ102	1/4W 1K
R110	ERDS2TJ102	1/4W 1K	R209, 210	ERDAS3G333	1/4W 33K	R511	ERDS2TJ334	1/4W 330K
R112	ERDS2TJ104	1/4W 100K	R211, 212	ERDS2TJ222	1/4W 2.2K	R512	ERDS2TJ154	1/4W 150K △
R113	ERDS2TJ103	1/4W 10K	R213, 214	ERDS2TJ204	1/4W 200K	R513	ERDS2TJ684	1/4W 680K △
R114	ERDS2TJ562	1/4W 5.6K	R215, 216	ERDS2TJ474	1/4W 470K	R514	ERD25FJ470	1/4W 47 △
R115	ERDS2TJ561	1/4W 560	R217, 218	ERDS2TJ102	1/4W 1K	R515, 516	ERDS1FVJ100T	1/2W 10 △
R116	ERDS2TJ102	1/4W 1K	R219, 220	ERDS2TJ331	1/4W 330	R517, 518	ERD25FVJ100T	1/4W 10 △
R117	ERDS2TJ682T	1/4W 6.8K	R221, 222	ERDS2TJ105T	1/4W 1M	R571	ERDS2TJ823T	1/4W 82K
R118	ERDS2TJ562	1/4W 5.6K	R223, 224	ERDS2TJ332	1/4W 3.3K	R572	ERDS2TJ124T	1/4W 120K
R119	ERDS2TJ392T	1/4W 3.9K E, EB, GC, GN	R225, 226	ERDS2TJ154	1/4W 150K	R573	ERDS2TJ563	1/4W 56K
R119	ERDS2TJ822T	1/4W 8.2K EG	R227, 228	ERDS2TJ332	1/4W 3.3K	R611	ERDS2TJ470	1/4W 47
R120	ERDS2TJ473	1/4W 47K	R251, 252	ERDS2TJ102	1/4W 1K	R613, 614	ERDS2TJ101	1/4W 100 △
R121	ERDS2TJ332	1/4W 3.3K	R253, 254	ERDS2EJ121	1/4W 120	R615	ERDS2TJ5R6	1/4W 5.6 △
R122	ERDS2TJ272T	1/4W 2.7K	R255	ERDS2TJ154	1/4W 150K	R616-619	ERDS2TJ104	1/4W 100K
R124	ERDS2TJ391	1/4W 390	R256	ERDS2TJ105T	1/4W 1M	R620	ERDS2TJ221	1/4W 220
R125, 126	ERDS2TJ472	1/4W 4.7K	R257	ERDS2TJ334	1/4W 330K	R621	ERDS2TJ104	1/4W 100K
R127	ERDS2TJ103	1/4W 10K	R258	ERDS2TJ105T	1/4W 1M	R622, 623	ERDS2TJ223	1/4W 22K
R128	ERDS2TJ820	1/4W 82	R259	ERDS2TJ561	1/4W 560	R624	ERDS2TJ393	1/4W 39K
R129	ERDS2TJ473	1/4W 47K	R260	ERDS2TJ392T	1/4W 3.9K	R625	ERDS2TJ564	1/4W 560K
R130, 131	ERDS2TJ102	1/4W 1K	R281	ERDS2TJ102	1/4W 1K	R626-629	ERDS2TJ223	1/4W 22K
R132	ERDS2TJ103	1/4W 10K	R282	ERDS2TJ561	1/4W 560	R630	ERDS2TJ103	1/4W 10K
R133-137	ERDS2TJ102	1/4W 1K	R291, 292	ERDS2TJ104	1/4W 100K	R631	ERDS2TJ332	1/4W 3.3K
R138	ERDS2TJ103	1/4W 10K	R293, 294	ERDAS3G123T	1/4W 12K	R632	ERDS2TJ103	1/4W 10K
R139, 140	ERDS2TJ272T	1/4W 2.7K	R295, 296	ERDAS3G562T	1/4W 5.6K	R634	ERDS2TJ223	1/4W 22K
R141, 142	ERDS2TJ103	1/4W 10K	R301, 302	ERDS2TJ562	1/4W 5.6K	R635	ERDS2TJ224T	1/4W 220K
R143, 144	ERDS2TJ222	1/4W 2.2K	R303-306	ERDS2TJ563	1/4W 56K	R636	ERDS2TJ104	1/4W 100K
R145, 146	ERDS2TJ102	1/4W 1K E, EB, GC, GN	R307, 308	ERDS2TJ562	1/4W 5.6K	R637	ERDS2TJ102	1/4W 1K
R145, 146	ERDS2TJ821T	1/4W 820 EG	R309-312	ERDS2EJ121	1/4W 120	R639	ERDS2TJ560T	1/4W 56
R147, 148	ERDS2TJ474	1/4W 470K	R313, 314	ERDS2TJ102	1/4W 1K	R660-662	ERDS2TJ102	1/4W 1K
R149	ERDS2TJ680T	1/4W 68	R315	ERDS2TJ334	1/4W 330K	R664, 665	ERDS2TJ102	1/4W 1K
R151-154	ERDS2TJ104	1/4W 100K	R316	ERDS2TJ105T	1/4W 1M	R697	ERDS2TJ102	1/4W 1K
R155	ERDS2TJ102	1/4W 1K	R351	ERDS2TJ563	1/4W 56K	R698	ERDS2TJ332	1/4W 3.3K
R156	ERDS2TJ105T	1/4W 1M	R352	ERDS2TJ184T	1/4W 180K	R699	ERDS2TJ102	1/4W 1K
R157, 158	ERDS2TJ102	1/4W 1K	R353	ERDS2TJ274	1/4W 270K	R701, 702	ERD2FCVJ4R7T	1/4W 4.7 △
R159-161	ERDS2TJ331	1/4W 330	R354	ERDS2TJ102	1/4W 1K	R703, 704	ERDS2TJ103	1/4W 10K
R162	ERDS2TJ152	1/4W 1.5K	R355	ERDS2TJ103	1/4W 10K	R705, 706	ERDS1FVJ471T	1/2W 470 △
R163	ERDS2TJ331	1/4W 330	R356	ERDS2TJ332	1/4W 3.3K	R707	ERDS2TJ680T	1/4W 68
R171, 172	ERDS2TJ102	1/4W 1K	R357	ERDS1FVJ390T	1/2W 39 △	R708	ERDS2TJ562	1/4W 5.6K
R173	ERDS2TJ471	1/4W 470	R358	ERDS2TJ220T	1/4W 22	R709-712	ERDS1FVJ221T	1/2W 220 △

Ref. No.	Part No.	Values & Remarks	Ref. No.	Part No.	Values & Remarks	Ref. No.	Part No.	Values & Remarks
R713	ERD2FCVJ4R7T	1/4W 4.7 Δ	C139, 140	ECFR1E822KR	25V 8200P EG	C515, 516	ECBT1E223ZF	25V 0.022U
R714	ERDS1FVJ271T	1/2W 270 Δ	C141-144	ECEA1HKA010B	50V 1U	C571	ECEA0JKA101B	6.3V 100U
R715	ERDS2TJ153	1/4W 15K	C145	ECBT1H220JC5	50V 22P	C599	ECBT1C103MS5	16V 0.01U
R716	ERDS2TJ102	1/4W 1K	C146	ECBT1H331KB5	50V 330P	C601	ECEA0JU102	6.3V 1000U
R717	ERDS2TJ103	1/4W 10K	C147	ECBT1H102KB5	50V 1000P	C602	ECBT1E103ZF	25V 0.01U
R799	ERDS2TJ103	1/4W 10K	C148	ECBT1C103NS5	16V 0.01U	C603	ECEA1CKA100B	16V 10U
R801	ERDS2TJ102	1/4W 1K	C149	ECBT1H104ZF5	50V 0.1U	C604	ECEA1HKA3R3B	50V 3.3U Δ
R803	ERDS2TJ103	1/4W 10K	C151	ECEA1HKA010B	50V 1U	C605	ECEA1VKA100B	35V 10U
R805	ERDS2TJ562	1/4W 5.6K	C152	ECKR1H103ZF5	50V 0.01U	C607	ECEA1HKA010B	50V 1U
R808	ERDS2TJ392T	1/4W 3.9K	C153	ECEA1AKA101B	10V 100U	C608	ECEA1HKA22B	50V 0.22U
R809, 810	ERDS2TJ272T	1/4W 2.7K	C155, 156	ECBT1E103ZF	25V 0.01U	C609, 610	ECBT1E103ZF	25V 0.01U
R811	ERDS2TJ221	1/4W 220	C157, 158	ECBT1H101KB5	50V 100P	C611	ECBT1H102KB5	50V 1000P
R812	ERDS2TJ332	1/4W 3.3K	C171	ECBT1C103NS5	16V 0.01U	C612	ECBT1E223ZF	25V 0.022U
R1601	ERDS2TJ223	1/4W 22K	C173	ECEA1CKA220B	16V 22U	C620	ECEA1HKA010B	50V 1U Δ
R1602	ERDS2TJ473	1/4W 47K	C174	ECEA1CKA100B	16V 10U E, EB, GC, GN	C621, 622	ECBT1H200JC5	50V 20P
R1603	ERDS2TJ223	1/4W 22K	C174	ECEA1CKA101B	16V 100U EG	C698, 699	ECBT1E103ZF	25V 0.01U
R1604, 1605	ERDS2TJ102	1/4W 1K	C181	ECBT1H471KB5	50V 470P EG	C701, 702	ECEA1HJ222B	50V 2200U
			C196	ECBT1H331KB5	50V 330P	C703, 704	ECEA1CKA330B	16V 33U
		CAPACITORS	C201, 202	ECBT1H101KB5	50V 100P	C705, 706	ECKR1H103ZF5	50V 0.01U
			C203, 204	ECQB1H393JF3	50V 0.039U	C707	ECA1HM221B	50V 220U
C101	ECBT1C103NS5	16V 0.01U	C205, 206	ECQB1H223JF3	50V 0.022U	C708	ECEA1CKA100B	16V 10U
C103	ECBT1C103NS5	16V 0.01U	C207, 208	ECBT1H470J5	50V 47P	C709	ECBT1E103ZF	25V 0.01U
C104, 105	ECBT1H102KB5	50V 1000P	C209, 210	ECEA1HKA3R3B	50V 3.3U	C710	ECA1HM470B	50V 47U
C106	ECBT1C103NS5	16V 0.01U	C211, 212	ECBT1H101KB5	50V 100P	C711	ECQE1104KF3	100V 0.1U Δ
C107	ECBT1H473ZF5	50V 0.047U	C213, 214	ECQB1H822JF3	50V 8200P	C712	ECBT1E223ZF	25V 0.022U
C108	ECBT1H100JC5	50V 10P	C215, 216	ECBT1H101KB5	50V 100P	C714, 715	ECKR1H103ZF5	50V 0.01U Δ
C109, 110	ECBT1C103NS5	16V 0.01U	C217, 218	ECBT1H151KB5	50V 150P	C801, 802	ECBT1H470J5	50V 47P
C111	ECEA1EKA4R7B	25V 4.7U	C219, 220	ECEA1CKA100B	16V 10U	C803	ECBT1H104ZF5	50V 0.1U
C112	ECBT1C103NS5	16V 0.01U	C221, 222	ECQB1H223JF3	50V 0.022U	C905, 906	ECBT1H101KB5	50V 100P
C113	ECBT1H102KB5	50V 1000P	C251	ECEA0JKA221B	6.3V 220U	C907, 908	ECBT1E223ZF	25V 0.022U
C114	ECEA1HKA3R3B	50V 3.3U	C252	ECEA1CKA100B	16V 10U	C911	ECKR1H102ZF5	50V 1000P Δ
C115	ECEA1CKA100B	16V 10U	C281-287	ECBT1E103ZF	25V 0.01U	C1101, 1102	ECBT1E223ZF	25V 0.022U
C116	ECBT1C822MR5	16V 8200P	C291, 292	ECQB1H223JF3	50V 0.022U	C1103-1106	ECBT1H102KB5	50V 1000P
C117	ECQB1H821JF3	50V 820P E, EB, GC, GN	C301, 302	ECEA1HKA3R3B	50V 3.3U			
C117	ECQP2A221JZT	100V 220P EG	C303, 304	ECBT1H101KB5	50V 100P			
C118, 119	ECFR1E103KR	25V 0.01U	C305, 306	ECBT1H330J5	50V 33P			
C120, 121	ECEA1HKA010B	50V 1U	C307, 308	ECEA1HKA3R3B	50V 3.3U			
C122	ECEA1HKA2R2B	50V 2.2U	C309	ECEA1HKA010B	50V 1U			
C123	ECEA1HKA010B	50V 1U	C351	ECEA1CKA100B	16V 10U			
C124	ECBT1H102KB5	50V 1000P	C352	ECBT1E223ZF	25V 0.022U			
C125	ECBT1H150JC5	50V 15P	C353	ECEA1HKA2R2B	50V 2.2U			
C126	ECBT1H473ZF5	50V 0.047U	C371	ECEA0JKA221B	6.3V 220U			
C127	ECEA1CKA220B	16V 22U	C381, 382	ECBT1E103ZF	25V 0.01U			
C128	ECBT1C103NS5	16V 0.01U	C397, 398	ECBT1E103ZF	25V 0.01U			
C129, 130	ECEA0JKA101B	6.3V 100U	C501, 502	ECA1HAP3R3B	50V 3.3U			
C131	ECBT1C103NS5	16V 0.01U	C503, 504	ECBT1H331KB5	50V 330P			
C132	ECBT1H102KB5	50V 1000P	C505, 506	ECBT1H6R8K5	50V 6.8P			
C133	ECBT1H150JC5	50V 15P	C507, 508	ECBT1H102KB5	50V 1000P			
C134	ECBT1H180JC5	50V 18P	C509, 510	ECA1HAP3R3B	50V 3.3U			
C135, 136	ECBT1C822MR5	16V 8200P	C511, 512	ECBT1H821KB5	50V 820P			
C137, 138	ECBT1H271KB5	50V 270P	C513	ECA1HAP330B	50V 33U			
C139, 140	ECFR1E562KR	25V 5600P E, EB, GC, GN	C514	ECA2AAP100B	100V 10U			

Ref. No.	Part No.	Part Name & Description	Remarks	Ref. No.	Part No.	Part Name & Description	Remarks
		CABINET PARTS				PACKING MATERIALS	
1	RHD30007	SCREW		P1	RPG1361	PACKING CASE (SYSTEM)	(E, EG, GC)
2	RKM020A-1K	CABINET		P1	RPG1362	PACKING CASE (SYSTEM)	(EB)
3	XTBS3+8JFZ1	SCREW		P1	RPG1363	PACKING CASE (SYSTEM)	(GN)
4	RGW0152-K	VOLUME KNOB		P2	RPG1312	PACKING CASE (AMPLIFIER)	
5	RFKJACH550NK	BOTTOM BOARD ASS' Y	(E, EB, EG, GN)	P3	RPG1314	PACKING CASE (CD/PROCESSOR)	
5	RFKJACH550GC	BOTTOM BOARD ASS' Y	(GC)	P4	RPG1313	PACKING CASE (DECK)	
5-1	RKA0055-N	FOOT		P5	RPN0619	PAD (AMPLIFIER)	
6	RFKHACH550EK	REAR GRILL ASS' Y	(E)	P6	RPN0621	PAD (CD/PROCESSOR)	
6	RFKHACH550EB	RERA GRILL ASS' Y	(EB)	P7	RPN0620	PAD (DECK)	
6	RFKHACH550EG	REAR GRILL ASS' Y	(EG)	P8	XZB45X50A01Z	PROTECTION COVER	
6	RFKHACH550GC	REAR GRILL ASS' Y	(GC)	P9	RPQF0047	ACCESSORY BOX	
6	RFKHACH550GN	REAR GRILL ASS' Y	(GN)	P10	RPQ0244	SPACER	
7	RMCO158	TRANSISTOR HOLDER		P11	XZB22X20C03	PROTECTION COVER	
8	RMCO164	EARTH PLATE	(E, EB, GC, GN)				
8	RMCO182	EARTH PLATE	(EG)			ACCESSORIES	
9	RMNO190	P. C. B. HOLDER(A)					
10	RMNO191	P. C. B. HOLDER(B)		A1	RAK-SC310W	REMOTE CONTROL TRANSMITTER	
11	RMQ0260	HOLDER(L)		A1-1	RKK0020-K	BATTERY COVER	
12	RMQ0261	HOLDER(R)		A2	RFKSACH550EK	INSTRUCTIONS MANUAL	(E)
13	RMNO183-1	FL HOLDER		A2	RQT1662-B	INSTRUCTIONS MANUAL	(EB, GN)
14	RFKGACH550EK	FRONT PANEL ASS' Y		A2	RFKSACH550EG	INSTRUCTIONS MANUAL	(EG)
14-1	RKW0225-K	FL PANEL		A2	RFKSACH550GC	INSTRUCTIONS MANUAL	(GC)
15	RGU0768-K	POWER BUTTON		A3	RQA0013	WARRANTY CARD	(E, EB, EG)
16	RGU0769A-K	SELECTOR BUTTON	(E, EB, EG, GN)	A3	RQX7433ZA	WARRANTY CARD	(GN)
16	RGU0769-K	SELECTOR BUTTON	(GC)	A4	RQCB0169	SERVICE CENTER LIST	
17	XTBS26+8J	SCREW		A5	REX0462	FLAT CABLE (15P)	
18	SHE187-2	P. C. B. SPACER		A6	RJA0019-1K	AC POWER SUPPLY CORD	Δ (E, EG)
19	SNE4021-1	NUT		A6	VJA0733	AC POWER SUPPLY CORD	Δ (EB)
20	XTBS3+8JFZ1	SCREW		A6	RJA0004	AC POWER SUPPLY CORD	Δ (GC)
21	XTB3+12JFZ	SCREW		A6	SJA173	AC POWER SUPPLY CORD	Δ (GN)
22	XTB3+20JFZ	SCREW		A7	SWXS257M	SPEAKER CORD	
23	XTB3+8JFZ	SCREW		A8	RSA0007	FM INDOOR ANTENNA	(E, EB, EG)
24	XTWS3+10T	SCREW		A8	RSA0006	FM INDOOR ANTENNA	(GC, GN)
25	XTW3+15T	SCREW		A9	SPB1163T	AM(LW/MW) LOOP ANTENNA	
26	XTW3+8T	SCREW		A9-1	SMA233-1M	ANTENNA HOLDER	
27	RWJ1808110XX	FLAT CABLE (8P)		A9-2	XTN3+10AFZ	SCREW	
28	RMNO169	FAN ANGLE		A10	SJP9009	ATTACHMENT PLUG	Δ (EB)
29	SYE1128-2	FAN ASS' Y		A11	SJP9215	POWER PLUG ADAPTOR	Δ (GC)
29-1	SHE232	FAN					
29-2	SUS271	SPRING					
29-3	SHE233-1	FAN CASE					
29-4	MDN-4RB4MRC	MOTOR					
29-5	SHE234	CAP					
29-6	SJT783	TERMINAL					
29-7	SJS5215	CONNECTOR (2P)					
30	RMCO197	EARTH PLATE	(EG)				

CABINET PARTS LOCATION



■ PACKAGING

