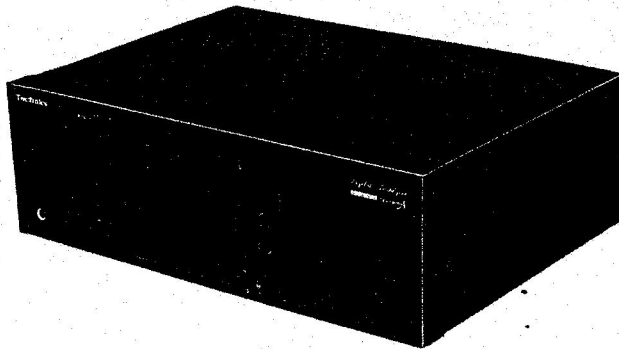


Service Manual

Amplifier

Stereo Integrated Amplifier

SU-X520D



Colour

(K) Black Type

Areas

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

■ LINE-UP OF COMPONENTS

System Name	Unit
SC-X520D (E)	ST-X902LA (E) : Tuner
	SU-X520D (E) : Amplifier
	RS-X520 (E) : Cassette Deck
	— : CD Player
	SL-J110R (E) : Turntable
	SB-CS75 (E) : Speaker (Made in PAES)
SC-X520D (EB)	ST-X902LA (EB) : Tuner
	SU-X520D (EB) : Amplifier
	RS-X520 (EB) : Cassette Deck
	SL-PJ38A (EB) : CD Player (Made in MBV)
	SL-J110R (EB) : Turntable
	SB-CS75 (E) : Speaker (Made in PAES)
SC-X520D (EF)	ST-X902LA (EF) : Tuner (Made in PFS)
	SU-X520D (E) : Amplifier
	RS-X520 (E) : Cassette Deck
	SL-PJ38A (E) : CD Player (Made in MBV)
	SL-J110R (E) : Turntable
	SB-CS75 (E) : Speaker (Made in PAES)

System Name	Unit
SC-X520D (EG)	ST-X902LA (EG) : Tuner
	SU-X520D (EG) : Amplifier
	RS-X520 (EG) : Cassette Deck
	SL-PJ38A (EG) : CD Player (Made in MBV)
	SL-J110R (EG) : Turntable
	SB-CS75 (E) : Speaker (Made in PAES)
SC-X520D (EI)	ST-X902LA (EI) : Tuner (Made in PFS)
	SU-X520D (EG) : Amplifier
	RS-X520 (EG) : Cassette Deck
	SL-PJ38A (EG) : CD Player (Made in MBV)
	SL-J110R (EG) : Turntable
	SB-CS75 (E) : Speaker (Made in PAES)
SC-X520D (GN)	ST-X902LA (GN) : Tuner
	SU-X520D (GN) : Amplifier
	RS-X520 (GN) : Cassette Deck
	SL-PJ38 (GN) : CD Player
	SL-J110R (GN) : Turntable
	SB-CD520 (GC) : Speaker

Technics

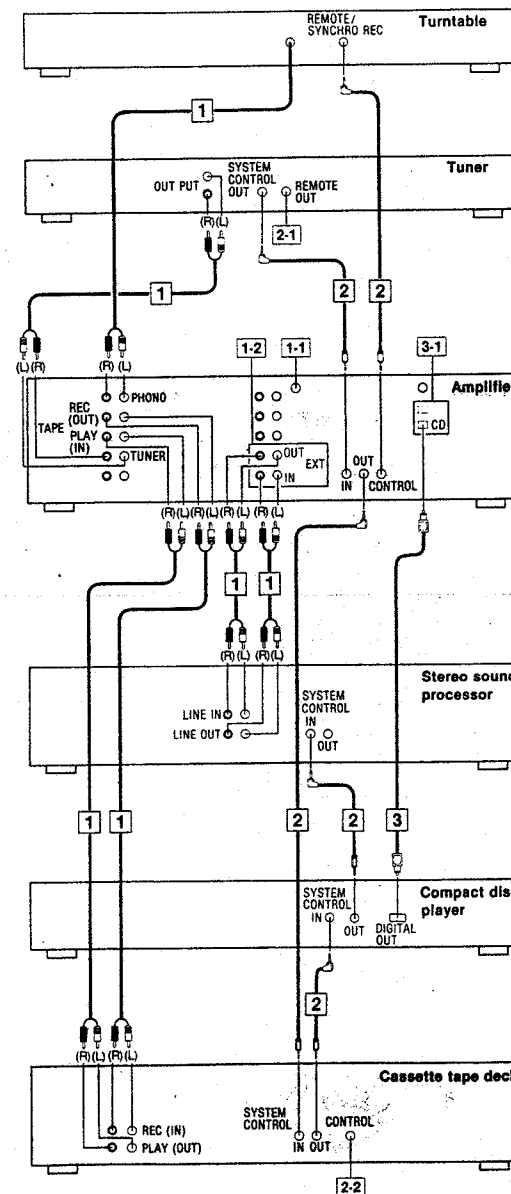
CHANGES

CHANGE IN REPLACEMENT PARTS LIST

SU-X502 (Pages 34~39, 42 of service manual.)

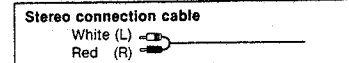
Ref. No.	Part Number		Description	Remarks
	SU-X502 (E)	SU-X520D (E, EB, EG, GN)		
TRANSFORMER(S)				
T1	RTP1N5E010-W	SLT5N481-W	POWER TRANSFORMER	Δ (EB, GN)
FUSE(S)				
F2	XBA2C12TB0S	—	FUSE	Δ (GN)
JACK(S)				
JK902	SJS9333B	SJS9332B	AC OUTLET	Δ (EB)
JK903	SJS9231-1B	SJS9234B	AC INLET	Δ (GN)
FUSE HOLDER(S)				
FC3,4	SJT388	—	FUSE HOLDER	Δ (GN)
CAPACITORS				
C709	ECEA1HKA2R2B	ECEA1HKN2R2B	CAPACITOR 50 V 2.2μ	
CABINET PARTS				
3	SJP9205-2Y	SJP9205-2T	SHORTING PIN	
5	RGR0105C-C1	RGR0105Q-C	REAR PANEL	(E) Type (A)
		RGR0105C-G2	REAR PANEL	(E) Type (B)
		RGR0105P-B	REAR PANEL	(EB) Type (A)
		RGR0105B-D2	REAR PANEL	(EB) Type (B)
		RGR0105Q-D	REAR PANEL	(EG) Type (A)
		RGR0105C-H2	REAR PANEL	(EG) Type (B)
		RGR0105R-A	REAR PANEL	(GN) Type (A)
RGR0105E-A2	REAR PANEL	(GN) Type (B)		
11	RMA0138	RMA0138-1	PLATE	
13	RGL0094-X	RGL0094-C	PANEL LIGHT	
21	RGU0474A-K	RGU0474B-K	BUTTON, TAPE	
23	SJS9231A	SJS9234A	AC INLET COVER	(GN)
24	SJS9333A	SJS9332A	AC OUTLET COVER	(EB)
		RJS1A4602	AC OUTLET COVER	(GN)
28	SYE1128-2	REM0020-1	FAN MOTOR ASS'Y	Type (A)
		SYE1128-4	FAN MOTOR ASS'Y	Type (B)
28-1	SHE232	SHE232-1	FAN	Type (A)
28-3	SHE233	RMQ0209-K	FAN CASE	Type (A)
		SHE233-1	FAN CASE	Type (B)
28-5	—	RMQ0208-K	CAP	Type (A)
		SHE234	CAP	Type (B)
28-6	—	SJT783	TERMINAL	Type (B)
28-7	—	SJS5215	CONNECTOR (2P)	Type (B)
28-8	—	RMQ0212-K	TERMINAL CAP	Type (A)
35	RFK GUX502E-K	RFK GUX520DEK	FRONT PANEL ASS'Y	
40	—	RJS1A7402	CONNECTOR (2P)	Type (A)
41	—	XTBS3+8JFZ1	SCREW	Type (A)
PACKING MATERIALS				
P1	RPG0840	RPG1206	PACKING CASE	
P3	SPSD152	—	ACCESSORIES BOX	
ACCESSORIES				
A1	RQF1096	—	INSTRUCTIONS MANUAL ASS'Y	
A1-1	RQA0013	RQX7433ZA	WARRANTY CARD	(GN)
A1-3	RFKSUX502E-K	RFKSCX520DEK	INSTRUCTIONS MANUAL	(E)
		RQT1494-B	INSTRUCTIONS MANUAL	(EB, GN)
		RQT1493-D	INSTRUCTIONS MANUAL	(EG)
A2	SJA187	—	AC POWER SUPPLY CORD	Δ

CONNECTIONS OF EACH UNIT



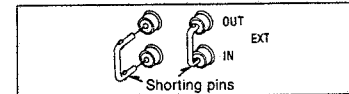
Connection diagrams shown are for connections to a Technics hi-fi component system. Make connections in the numbered sequential order.

- 1 Connect the stereo connection cables** (included with the turntable, tuner, stereo sound processor, and cassette tape deck).



- 1-1 "GND" terminal of the amplifier**
This terminal is for use with a turntable which has a ground wire.

- 1-2 "EXT" terminals of the amplifier**
When these terminals are not in use, be sure to insert the "shorting" pins (included).



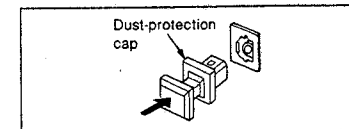
- 2 Connect the L-type cable** (included with the turntable, tuner, stereo sound processor, compact disc player, and cassette tape deck).

- 2-1 "REMOTE OUT" terminal**
This terminal is used to connect to the "REMOTE IN" terminal of the Technics multi-compact disc player (not included).

- 2-2 "CONTROL" terminal**
Make a connection from this terminal to the "CONTROL" terminal for a cassette deck on a Technics multi compact disc player. (For detailed information, refer to the operating instructions of the Technics multi compact disc player.)

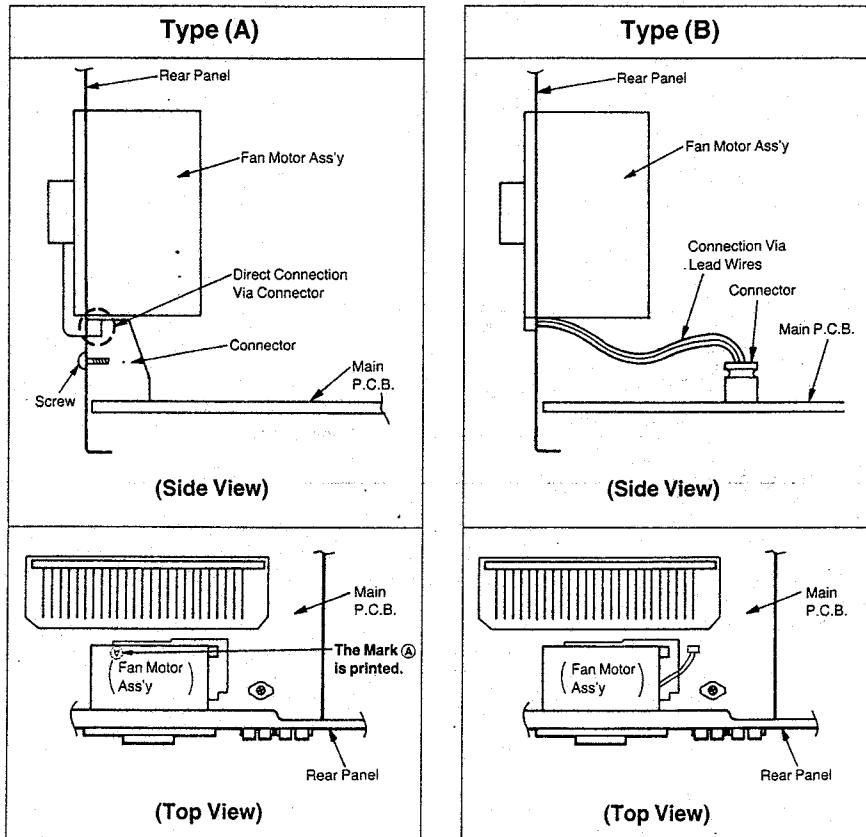
- 3 Connect the optical-fiber cable** (included with the compact disc player).

- 3-1 "DIGITAL IN" (CD, DAT) terminals of the amplifier**
These terminals are protected by the dust-protection caps to avoid damage by the dust, etc. Remove the caps only when the "DIGITAL IN" terminals are to be used. When these terminals are not being used, attach the caps as shown in the illustration below.



- Connect the AC power supply cords and AC outlet**
(See page 3 of service manual RS-X520, Order No. AD9203068A8.)

- There are two types of the fan motor, i.e.: Types A and B.
- Type A... The fan motor terminal is a connector type.
The "mark (A)" is printed on the main P.C.B. of type A. (Refer to the diagram below.)
- Type B... The fan motor terminal is a lead wire type.
Refer to the diagram below to distinguish type A from type B.



DISASSEMBLY INSTRUCTIONS

Ref. No. 14	Removal of the Fan Motor Ass'y (Type A)
Procedure 1→8→14	

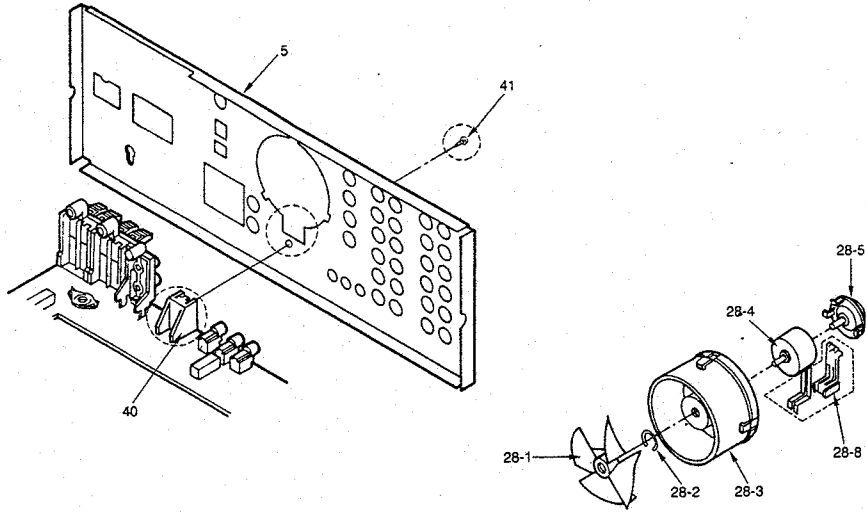
1. Release the 3 claws. (See Fig. 1.)
2. Insert a screwdriver at the root of the fan. Force it out of the motor shaft. (See Fig. 2.)
3. Remove the cap by using ⊖ screwdriver. (See Fig. 3.)
4. Remove the terminal cap in the direction of arrow. (See Fig. 4.)
5. Remove the motor from the fan case. (See Fig. 5.)
6. When mounting the motor, align the fan casing's projection with the hole of the motor. (See Fig. 6.)

Ref. No. 14	Removal of the Fan Motor Ass'y (Type B)
Procedure 1→8→14	

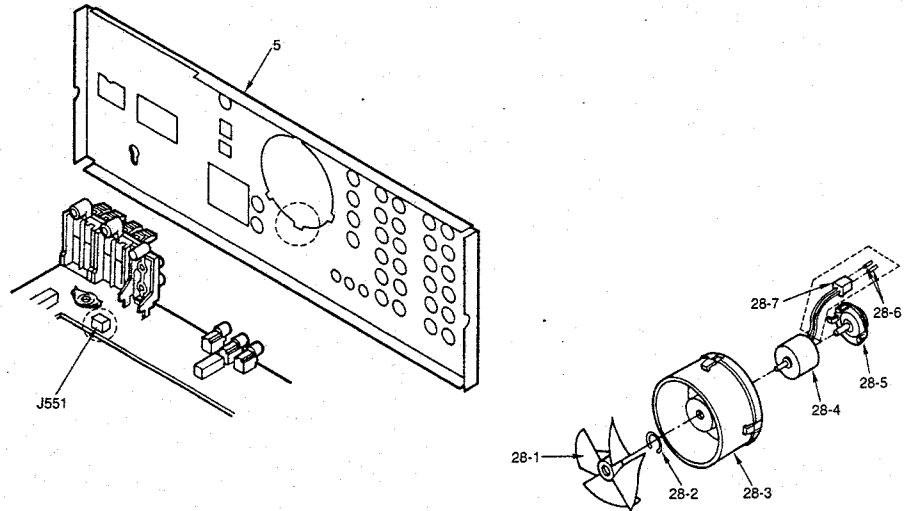
1. Remove the 1 connector (J551).
2. Release the 3 claws. (See Fig. 1.)
3. Insert a screwdriver at the root of the cooling fan. Force it out of the motor shaft. (See Fig. 2.)
4. Remove the cap by using ⊖ screwdriver. (See Fig. 3.)
5. Remove the motor from the fan casing. (See Fig. 4.)
6. When mounting the motor fan, align the fan casing's projection with the hole of the motor. (See Fig. 5.)

■ CABINET PARTS LOCATION

(Type A)



(Type B)



Note: The different parts between type A and type B are enclosed by the dot lines in the above diagrams.

CONTENTS

	Page		Page
Before repair	2	Description of FL panel	21
Protection circuitry	2	Circuit board diagram	22~27
Accessories	2	Terminal guide of IC's, transistors and diodes	27
Location of controls	3	Wiring connection diagram	28
Connections	4~7	Function of IC terminals	29, 30
Digitalization of audio signals	8	Block diagram	31~33
Disassembly instructions	9~12	Replacement parts list	34~39, 42
Schematic diagram	13~21	Cabinet parts list	40, 41
		Packaging	42

BEFORE REPAIR

- Turn off the power supply. Using a 10Ω, 5 W resistor connect both ends of power supply capacitors (C711, C712, 3300 μF) 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 Hz/60 Hz in NO SIGNAL mode should be shown below with respect to supply voltage 110 V/127 V/220 V/240 V.

Power supply voltage	AC 110 V	AC 120 V	AC 220 V	AC 230 V	AC 240 V
Consumed current 50 Hz	323~754 mA	297~694 mA	160~373 mA	154~360 mA	146~341 mA
Consumed current 60 Hz	316~737 mA	291~679 mA	156~365 mA	150~351 mA	144~336 mA

PROTECTION CIRCUITRY

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

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

*Sound stops during a performance.

The function of this circuitry is 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:

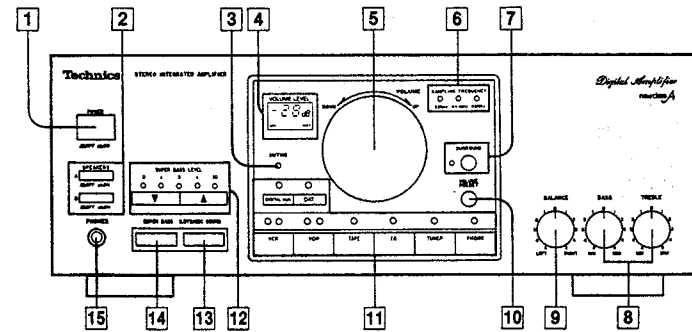
- Switch OFF the power.
- Determine the cause of the problem and correct it.
- Switch ON the power once again.

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

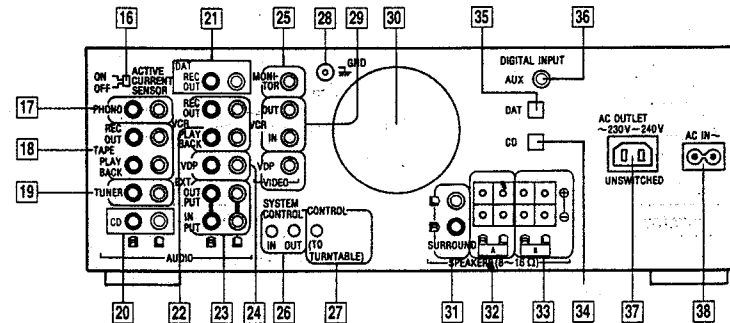
ACCESSORIES

•AC power supply cord	1	•AC plug adaptor	1
Configuration of AC power supply cord differs according to area.			
SJA187	For (E) (EG) area only.	SJP9215	For (GC) area only.
SJA173	For (GN) area only		
SJA188	For (EB) area only.		
RJA0004	For (GC) area only.		
SFDAC05E03	For others.		

LOCATION OF CONTROLS



- | | |
|---|--|
| 1 Power switch (POWER) | 9 Balance control (BALANCE) |
| 2 Speaker selectors (SPEAKERS) | 10 Volume preset button (VOLUME PRESET) |
| 3 Muting indicator (MUTING) | 11 Input selectors/indicators |
| 4 Volume-level indicator (VOLUME LEVEL) | 12 Super bass level control buttons/indicators (SUPER BASS LEVEL) |
| 5 Volume control (VOLUME) | 13 Super dynamic sound button/indicator (S. DYNAMIC SOUND) |
| 6 Sampling frequency indicators (SAMPLING FREQUENCY) | 14 Super bass button/indicator (SUPER BASS) |
| 7 Surround-sound button/indicator (SURROUND) | 15 Headphones jack (PHONES) |
| 8 Tone controls (BASS/TREBLE) | |

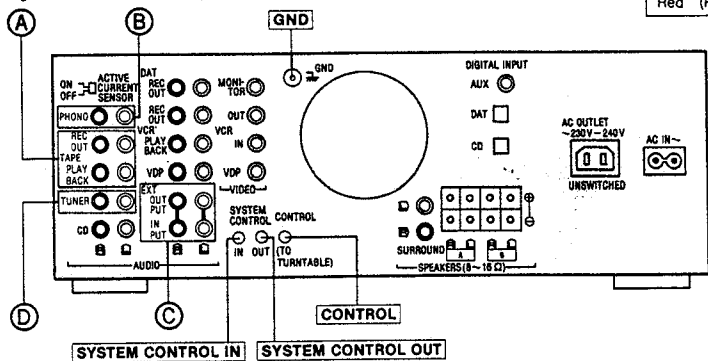


- | | |
|---|---|
| 16 Active current sensor switch | 28 GND terminal |
| 17 Phono input terminal | 29 VCR out/in terminal |
| 18 Tape rec out/playback terminal | 30 Cooling fan |
| 19 Tuner input terminal | 31 Surround-sound speaker terminal |
| 20 CD input terminal | 32 Main speaker A terminal |
| 21 DAT recout terminal | 33 Main speaker B terminal |
| 22 VCR recout/playback terminal | 34 CD digital input terminal |
| 23 EXT output/Input terminal | 35 DAT digital input terminal |
| 24 VDP input terminal | 36 AUX digital input terminal |
| 25 MONITOR terminal | 37 AC outlet |
| 26 System control IN/OUT terminal | 38 AC inlet |
| 27 Control terminal (to turntable) | |

CONNECTIONS

Make connections to each component in the system by using stereo connection cables (not included). See the operating instructions of the tuner (ST-X902L) for details.

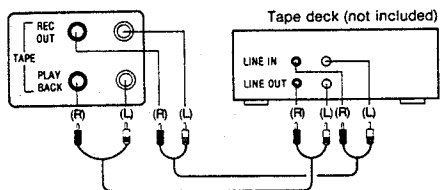
Stereo connection cable
White (L) — Red (R)



Connecting audio components

A "TAPE" terminals

Connect a tape deck.

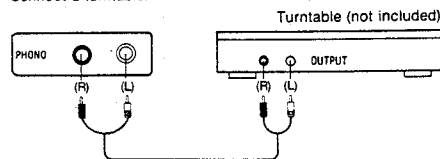


"SYSTEM CONTROL OUT" terminal

This terminal is used to connect a Technics tape deck with the "SYSTEM CONTROL IN" terminal.

B "PHONO" terminals

Connect a turntable.



"GND" terminal

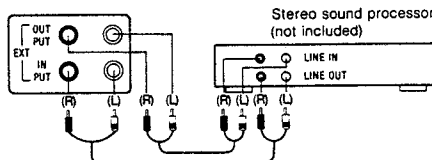
This terminal is for use with a turntable which has a ground wire.

"CONTROL" terminal

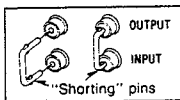
This terminal is used to connect a Technics turntable with the "REMOTE/SYNCHRO REC" terminal.

C "EXT" terminals

Connect a stereo sound processor.

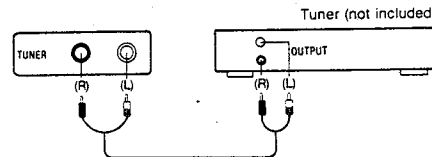


Note: When these terminals are not in use, be sure to insert the "shorting" pins (included).



D "TUNER" terminals

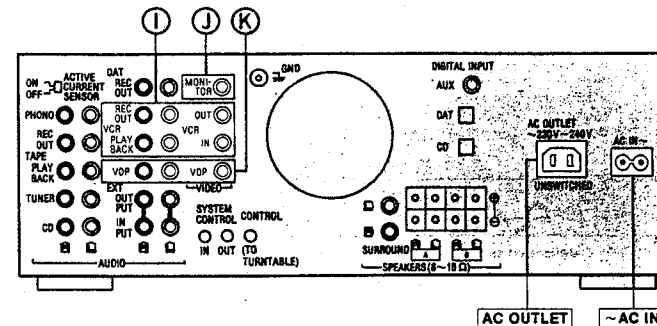
Connect a tuner.



"SYSTEM CONTROL IN" terminal

This terminal is used to connect a Technics tuner with the "SYSTEM CONTROL OUT" terminal.

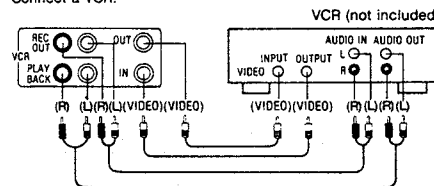
Make connections to each component by using stereo connection cables (not included) and video connection cables (not included).



Connecting video equipment

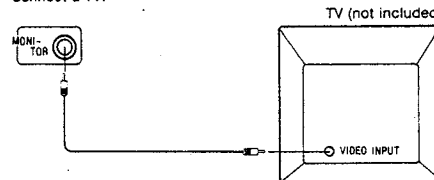
I "VCR" terminals

Connect a VCR.



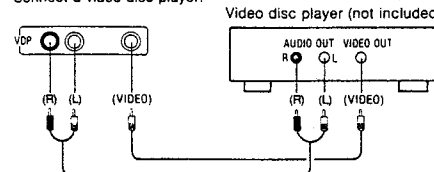
J "MONITOR" terminal

Connect a TV.



K "VDP" terminals

Connect a video disc player.



AC outlet ("AC OUTLET")

Do not connect video equipment (such as a TV, etc.) to the AC outlet of this unit. (This outlet is intended for audio equipment.) Do not exceed the indicated power ratings when connecting to this outlet.

"UNSWITCHED" outlet:

Power is always available, regardless of power switch. Audio equipment rated up to 60 W can be connected here.

Note:

The configuration of the AC outlet differs according to area.

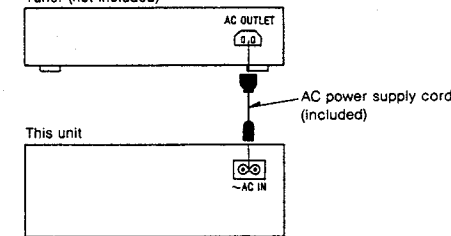
AC power supply cord

Connect the AC power supply cord (included) after all other cables and cords are connected.

Notes:

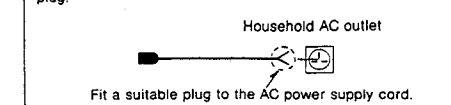
- Configuration of the AC outlet and AC power supply cord differs according to area.
- If this unit is not to be connected with the tuner, the cord is to be connected to the household AC outlet.

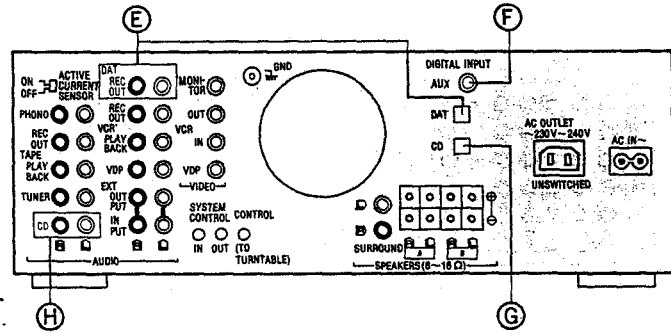
Tuner (not included)



For United Kingdom

Cut off and dispose of the plug and replace with a suitable plug.

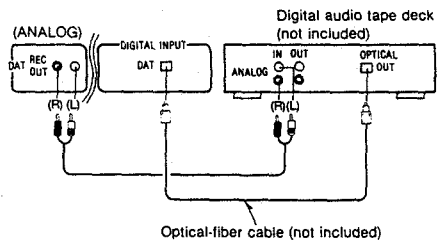




Connecting audio components

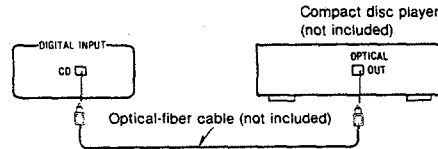
E "DAT" terminals (ANALOG/DIGITAL)

Connect a digital audio tape deck. Recordings can be made to the digital audio tape deck.



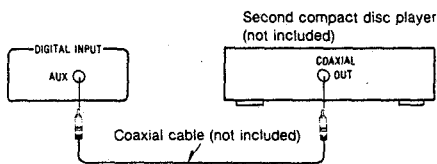
G "CD" terminal (DIGITAL)

Connect a compact disc player.



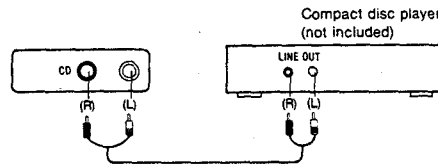
F "AUX" terminal (DIGITAL)

Connect a second compact disc player, etc.



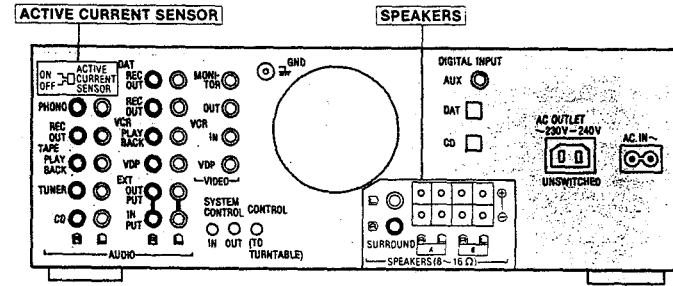
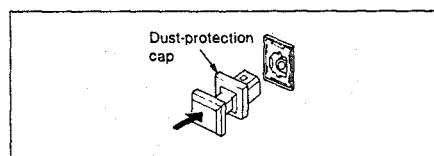
H "CD" terminals (ANALOG)

Connect a compact disc player.



"DIGITAL INPUT" (DAT, CD) terminals of this unit

These terminals are protected by dust-protection caps to avoid damage by dust, etc. Remove the caps only when the "DIGITAL INPUT" terminals are to be used. When these terminals are not being used, attach the caps as shown in the illustration at right.

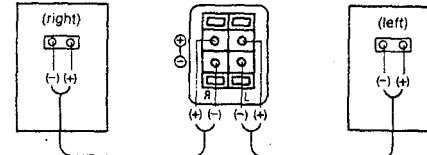


Connection of speaker systems

Three pairs of speaker systems (main, second, surround-sound) can be connected to this unit. Speaker systems that can be connected to any of the speaker connection terminals of this unit are speaker systems with an impedance of 8 to 16 ohms. Make connections to each speaker system by using speaker cords (not included).

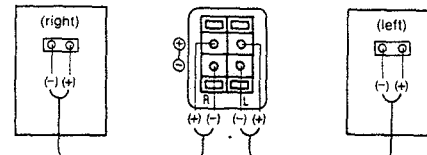
Main speaker systems (not included)

Connect to the "A" terminals.



Second speaker systems (not included)

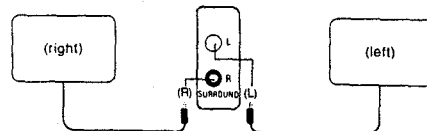
Connect to the "B" terminals.



Surround-sound speaker systems (not included)

Connect to the "SURROUND" terminals.

Be sure to connect both speaker systems. If only one side is connected, no sound will be heard.



How to use the active current sensor

The selector is used to enjoy powerful super-bass sound. ON: Switch ON when connecting the Technics system speakers (SU-X902: SB-CS90, SU-X502: SB-CS90/CS70). OFF: Switch OFF when connecting speakers other than Technics system speakers.

Notes:

- When connecting speakers other than system speakers, sound from the speakers may not be heard if the selector is pressed ON, because the protecting circuit on the amplifier becomes active.
- The active current sensor activates only for the speaker systems connected to the "A" terminals.

To connect cords to terminals

- Strip off the outer covering, and twist the center conductor. 15 mm (19/32") Twist
- Tilt the lever back and insert the cord. 2
- Close the lever and pull the cord gently to be sure that it is secure. 3

Note:

Be sure to only connect positive (+) cords to positive (+) terminals, and negative (-) cords to negative (-) terminals.

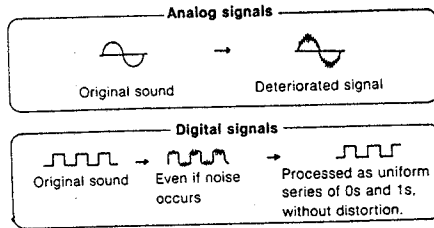
Note:

To prevent damage to circuitry, never short-circuit the plus (+) and minus (-) speaker wire.

■ DIGITALIZATION OF AUDIO SIGNALS

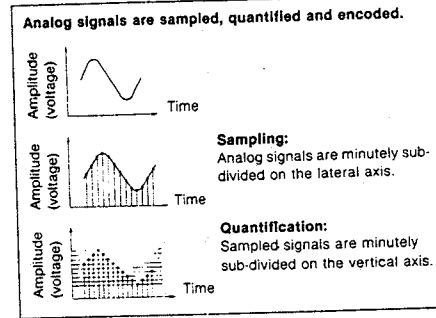
■ Why digitize?

- Audio signals are analog signals with a continuous form.
- When these audio signals are subjected to repeated electronic processing (recording, playback, etc.), they become noisy and distortion occurs, thus resulting in deterioration of the sound quality.
- When these signals are first digitized before processing, they have the following advantages that prevent deterioration of the sound quality:
 - 1 Resistance to noise
 - 2 Extremely low distortion
 - 3 Flat, even frequency response

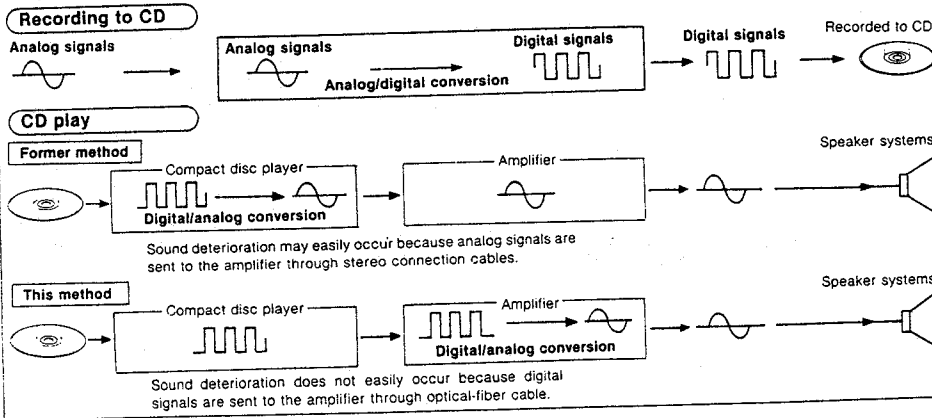


■ How signals are digitized

If it is known to what degree of minuteness the human ear can distinguish sounds, it is then possible, by using that data as the standard reference, to digitize them by dividing analog signals into minute pieces, after which they can be transmitted with a high degree of precision, and thereafter recorded and played back in the digitized format.



Digitalization example (recording to CD and play of CD)



What the sampling frequency is

The sampling frequency expresses the degree of minuteness to which signals can be cut, relative to a certain specified time interval, during sampling. For compact disc sound, Analog signals are cut 44,100 times (i.e., 44.1 kHz) during one second. This 44.1 kHz is, therefore, the sampling frequency for compact disc sound.

What analog/digital conversion is

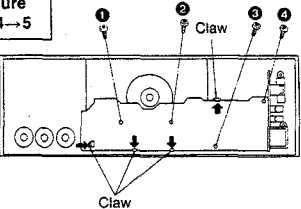
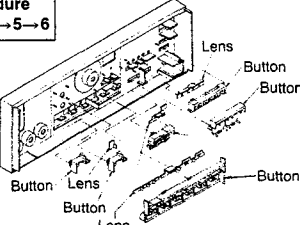
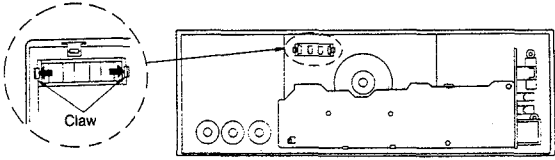
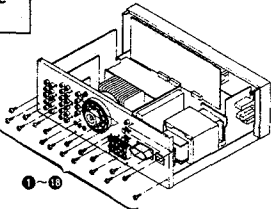
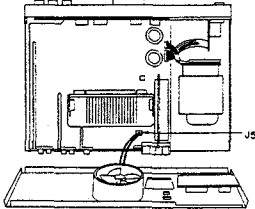
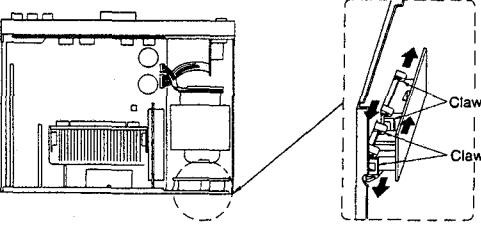
Audio signals (analog signals) are taken out (sampled) at certain fixed time intervals. The points at which this sampling frequency occurs are digitally encoded and converted to digital signals.

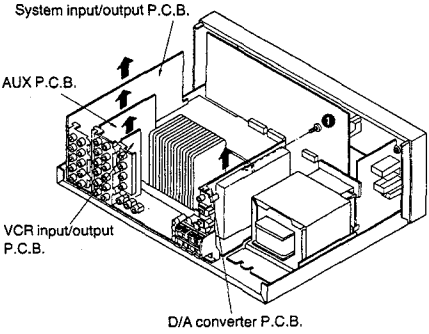
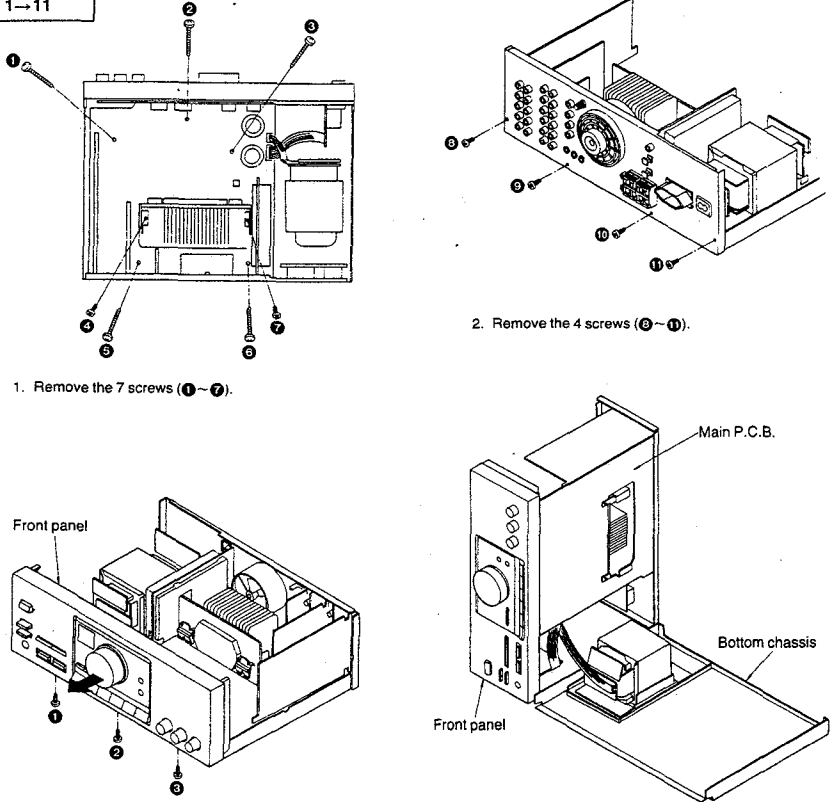
What digital/analog conversion is

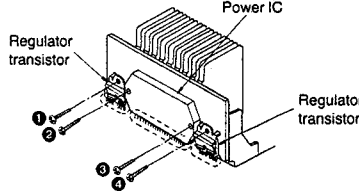
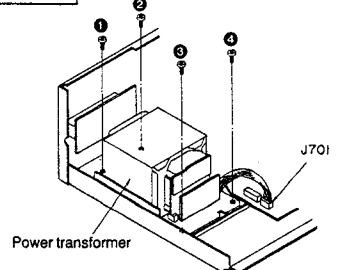
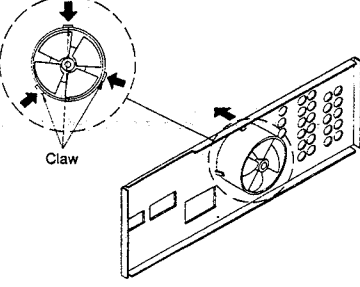
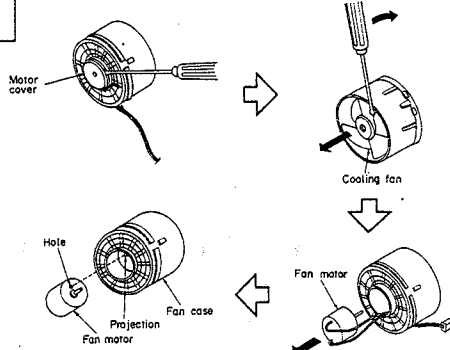
Each sampling frequency point is returned (converted) to voltage, thus converting digital signals to the analog signals that we can hear.

■ DISASSEMBLY INSTRUCTIONS

<p>Ref. No. 1</p> <p>Removal of the Cabinet</p>	<p>Ref. No. 2</p> <p>Removal of the Front Panel Unit</p>
<p>Procedure 1</p> <ol style="list-style-type: none"> 1. Remove the 6 screws (1~6). 2. Remove the cabinet in the direction of the arrow. 	<p>Procedure 1→2</p> <ol style="list-style-type: none"> 1. Remove the 2 connectors (J501, J502). <p>—Removal of the Connector—</p>
<p>Ref. No. 3</p> <p>Removal of the Power Switch/Speaker Select Switch P.C.B.</p>	<ol style="list-style-type: none"> 2. Remove the 3 screws (1~3). 3. Remove the front panel unit in the direction of the arrow.
<p>Procedure 1→2→3</p> <p>•Remove the 2 screws (1, 2).</p>	<p>Ref. No. 4</p> <p>Removal of FL Drive P.C.B.</p> <p>Procedure 1→2→4</p> <ol style="list-style-type: none"> 1. Remove the 4 knobs (1~4). 2. Remove the 4 nuts (5~8). <ol style="list-style-type: none"> 3. Remove the 3 screws (9~11). 4. Remove the 3 connectors (J631A, J632A, J633A). <p>A: 11 mm B: 16 mm C: longer than 22 mm</p> <p>•Use a wrench of the dimensions shown in the illustration above to remove nuts.</p>

<p>Ref. No. 5</p>	<p>Removal of the Operation P.C.B.</p>	<p>Ref. No. 6</p>	<p>Removal of the Operation Buttons</p>
<p>Procedure 1→2→4→5</p>	 <p>1. Remove the 4 screws (1-4). 2. Release the 4 claws in the direction of the arrow.</p>	<p>Procedure 1→2→4→5→6</p>	 <p>•Pull out the buttons and Lens.</p>
<p>Ref. No. 7</p>	<p>Removal of the Sampling Frequency Indicator Lens</p>		
<p>Procedure 1→2→4→7</p>	 <p>•Release the 2 claws.</p>		
<p>Ref. No. 8</p>	<p>Removal of the Rear Panel</p>		
<p>Procedure 1→8</p>	 <p>1. Remove the 18 screws (1-18).</p>	 <p>2. Release the connector (J551).</p>	
<p>Ref. No. 9</p>	<p>Removal of the AC OUTLET/AC IN P.C.B.</p>		
<p>Procedure 1→9</p>	 <p>•Release the 4 claws.</p>		

<p>Ref. No. 10</p>	<p>Removal of the P.C.B.s</p>		
<p>Procedure 1→8→10</p>	<p>■ Removal of the D/A converter P.C.B. 1. Remove the screw (1). 2. Remove the D/A converter P.C.B. in the direction of the arrow.</p> <p>■ Removal of the other P.C.B. •Remove the P.C.B. in the direction of the arrow.</p>		
<p>Ref. No. 11</p>	<p>Check of the main P.C.B.</p>	 <p>1. Remove the 7 screws (1-7).</p> <p>2. Remove the 4 screws (8-11).</p> <p>3. Remove the 3 screws (12-14).</p> <p>4. Remove the front panel unit in the direction of the arrow. *Connect 2 flat cables (J501A, J502).</p> <p>5. Remove the bottom chassis. 6. Reinstall the front panel unit to the main P.C.B.</p>	
<p>Procedure 1→11</p>	<p>Front panel</p>		

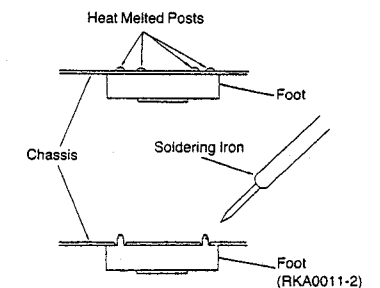
Ref. No. 12	Removal of the Power IC and Regulator Transistor	Ref. No. 13	Removal of the Power Transformer
Procedure 1→11→12	<ol style="list-style-type: none"> 1. Unsolder the power IC or regulator transistor. 2. Remove the 4 screws (①~④). 	Procedure 1→13	
	 <p>Note: When mounting the power IC, or regulator transistor apply silicon terminal compound (SZZ0L15) to the rear of the power IC or regulator transistor.</p>	 <ol style="list-style-type: none"> 1. Remove the 1 flat cable (J701). 2. Remove the 4 screws (①~④). 	
Ref. No. 14	Removal of the Fan Motor		
Procedure 1→8→14			
 <ol style="list-style-type: none"> 1. Remove the 1 connector (J209). 2. Release the 3 claws. 		 <ol style="list-style-type: none"> 3. Insert a screwdriver at the root of the cooling fan. Force it out of the motor shaft. 4. Remove the motor cover by used ⊖ screwdriver. 5. Remove the motor from the fan casing. 6. When mounting the motor fan, align the fan casing's projection with the hole of the fan motor. 	

“ATTENTION SERVICER”

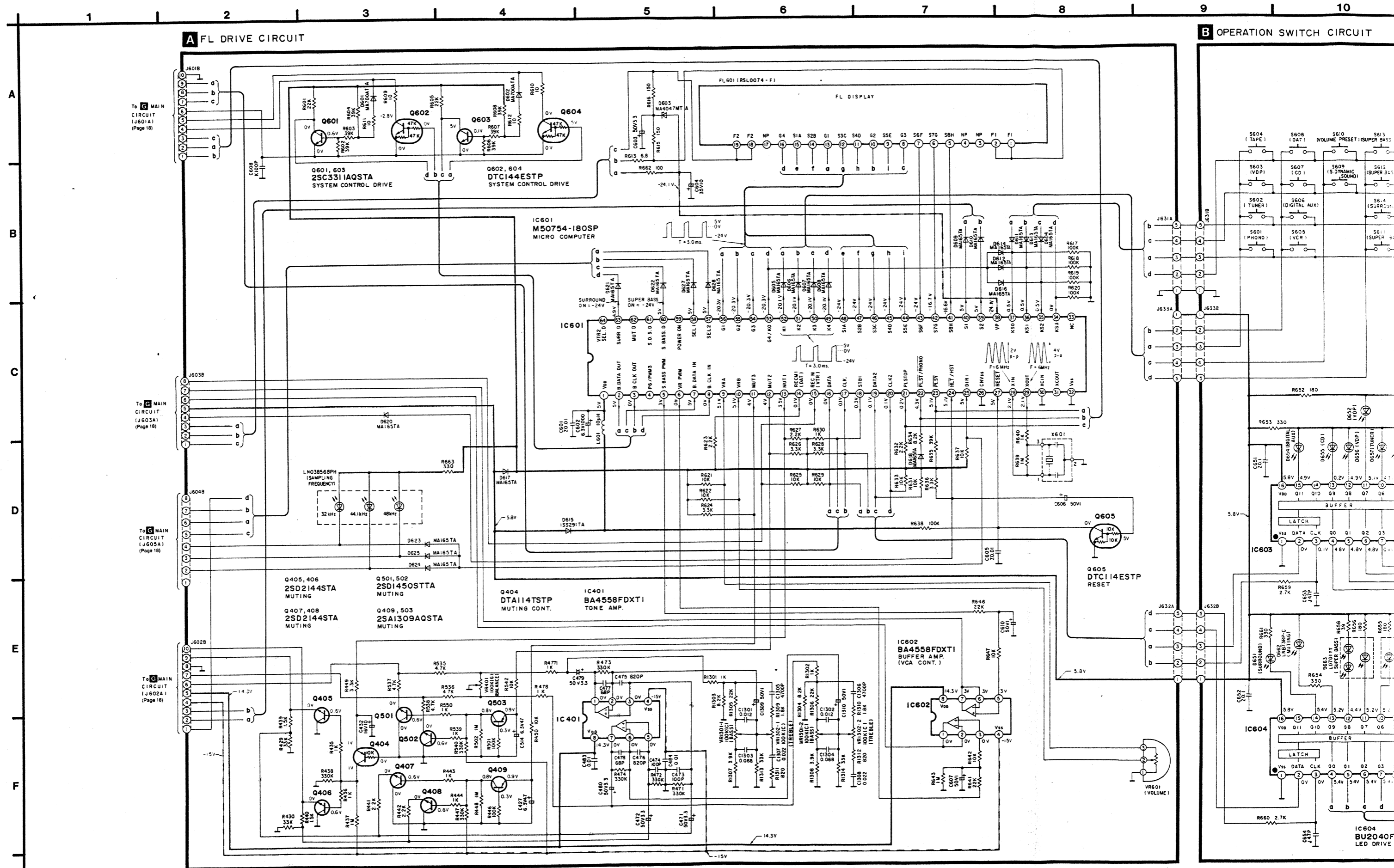
Some chassis components may have sharp edges. Be careful when disassembling and servicing.

●Replacement of the Foot.

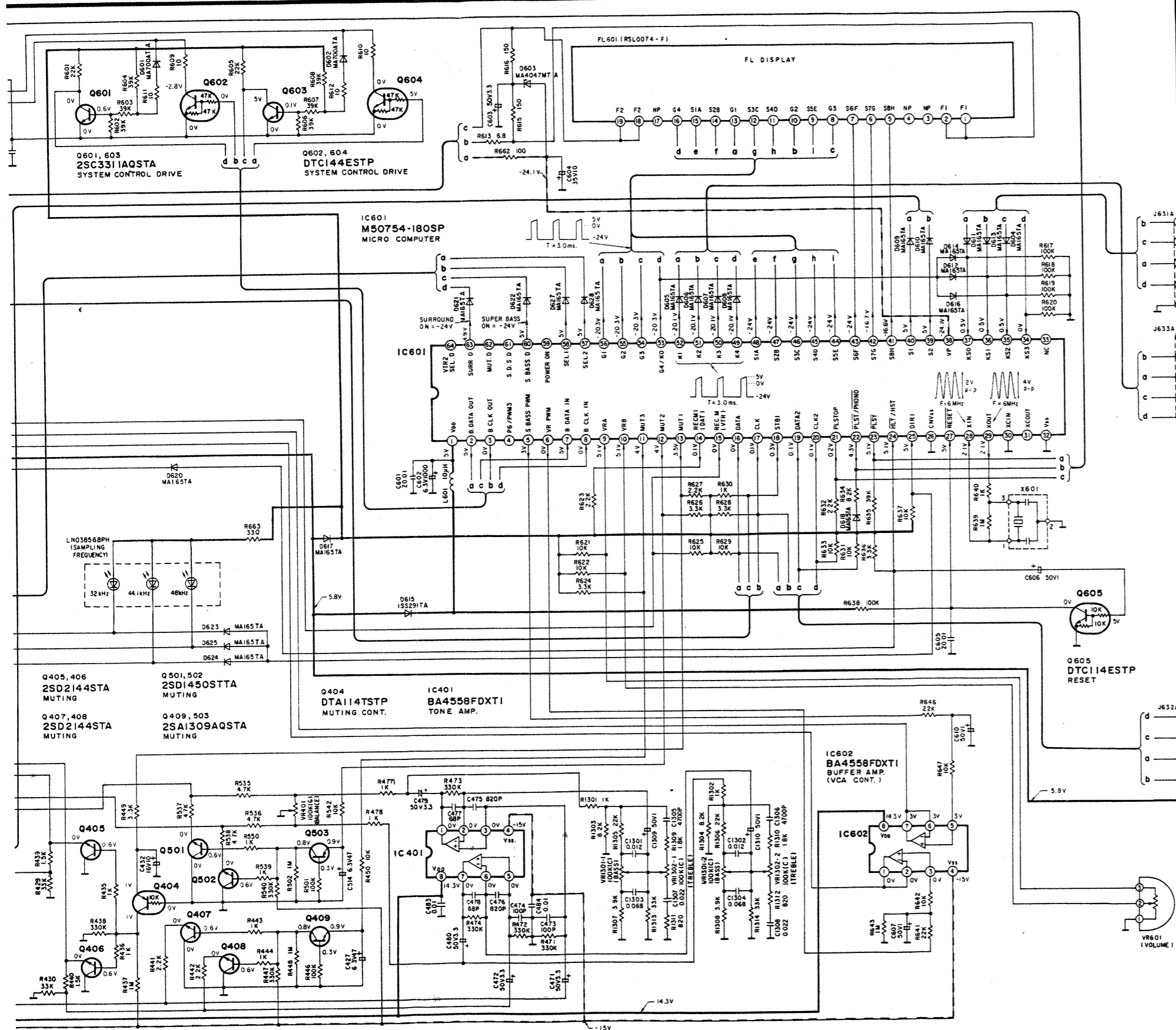
1. Remove the 4 heat melted posts on the chassis with a pair of nippers or similar tool.
2. To replace the foot (RKA0011-2) on the chassis, melt the 4 posts with a soldering iron.



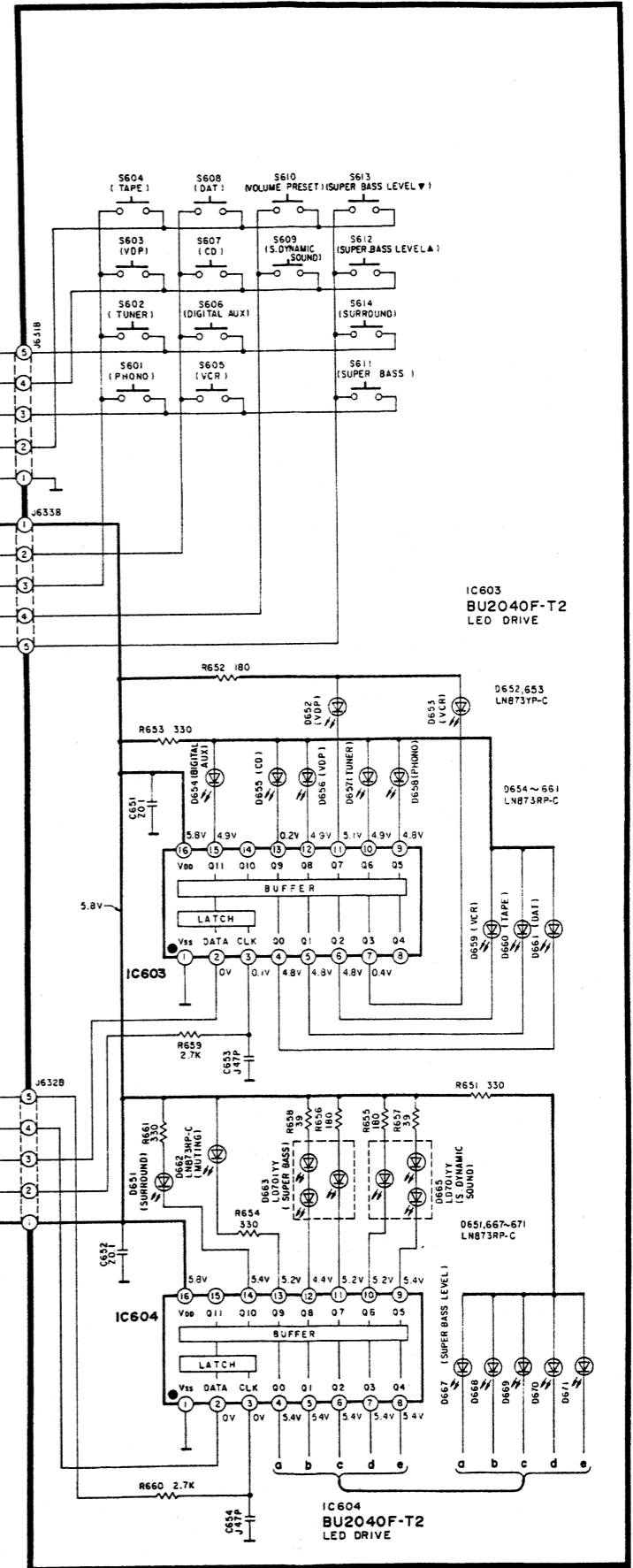
SCHEMATIC DIAGRAM



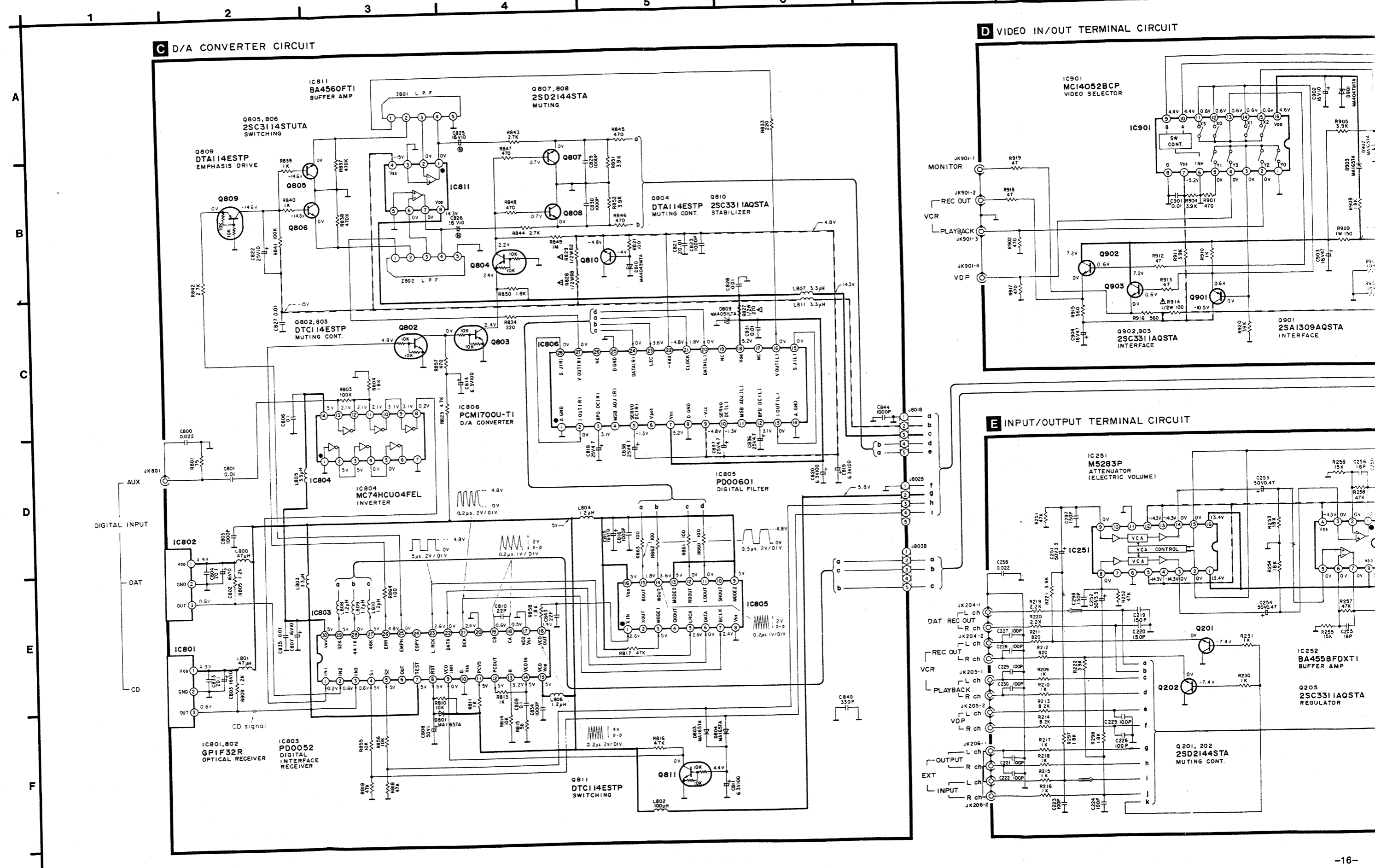
CIRCUIT



B OPERATION SWITCH CIRCUIT

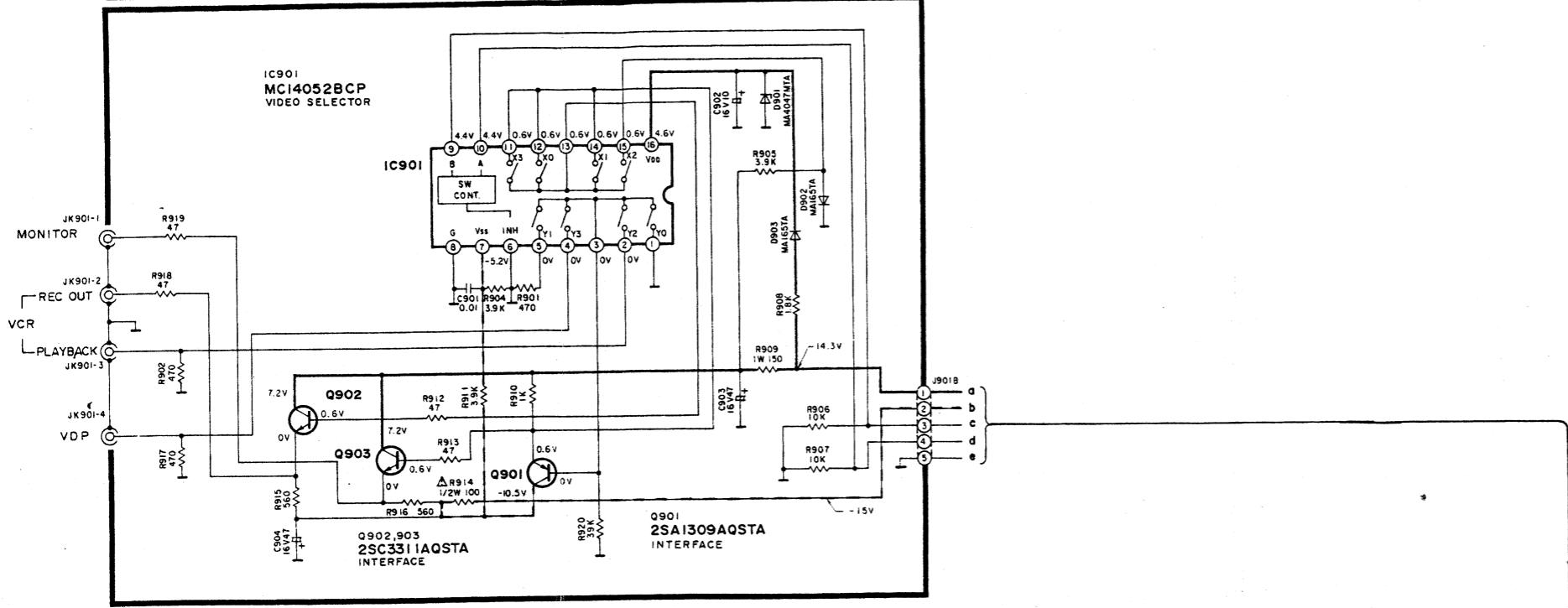


SCHEMATIC DIAGRAM

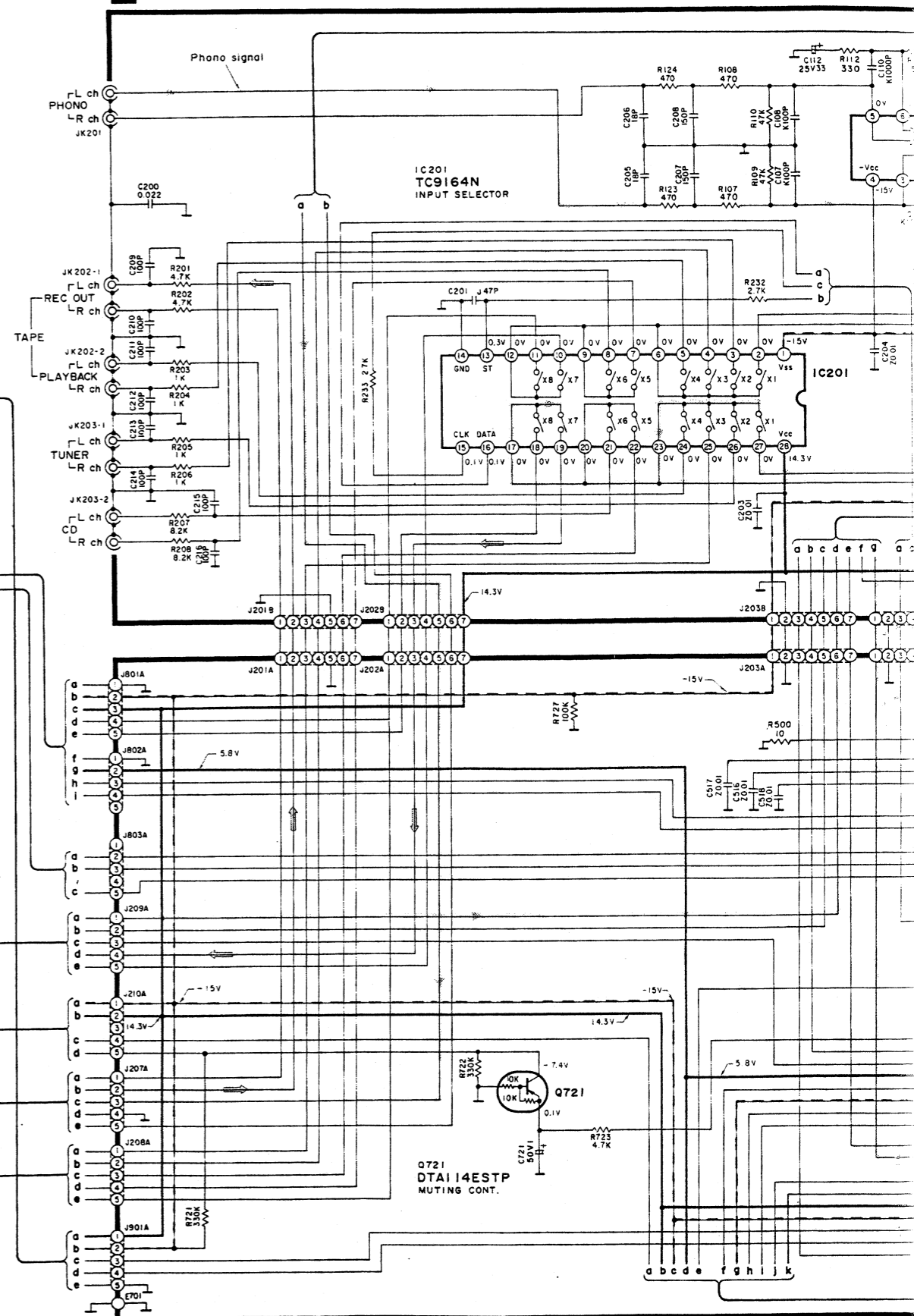


7 8 9 10 11 12 13 14 15 16 17

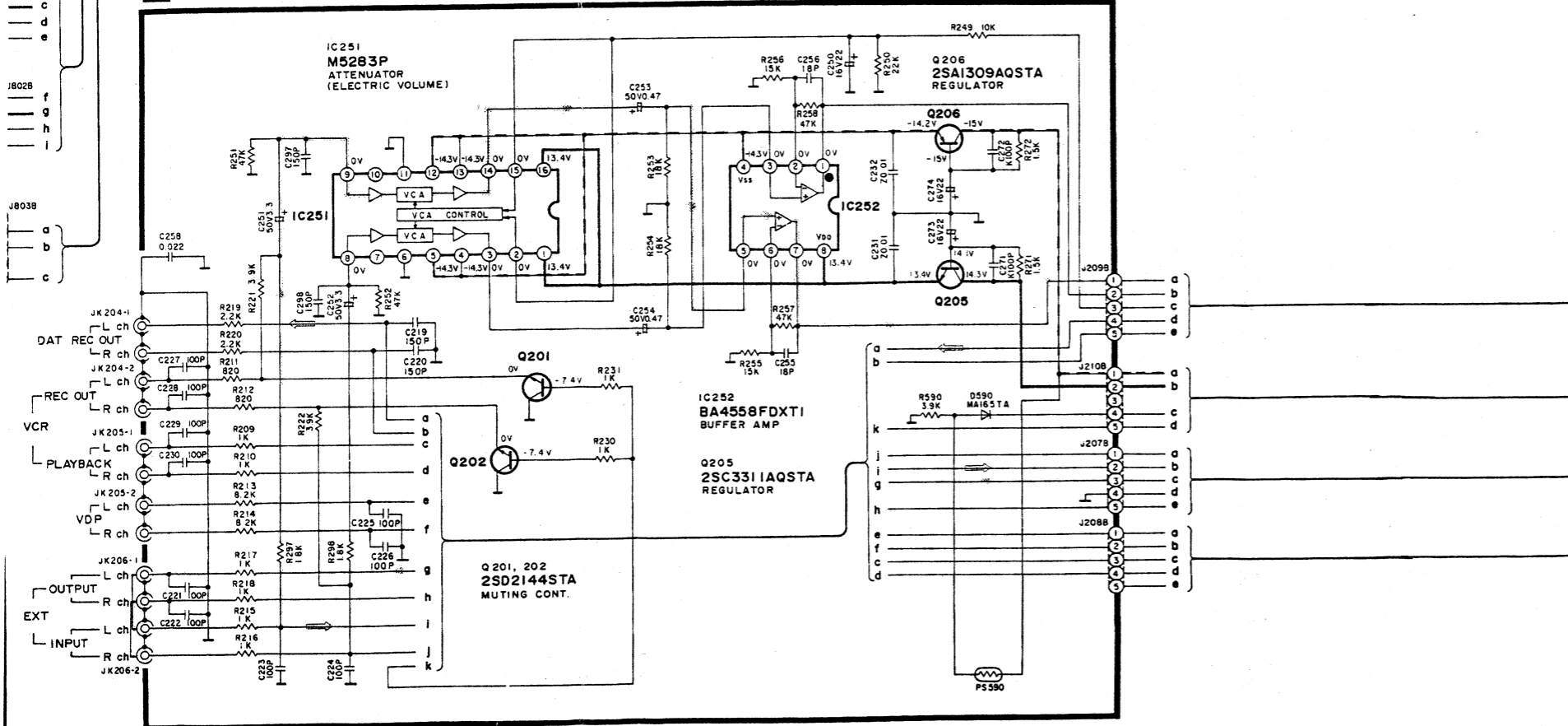
D VIDEO IN/OUT TERMINAL CIRCUIT



F PHONO/TAPE/TUNER/CD TERMINAL CIRCUIT

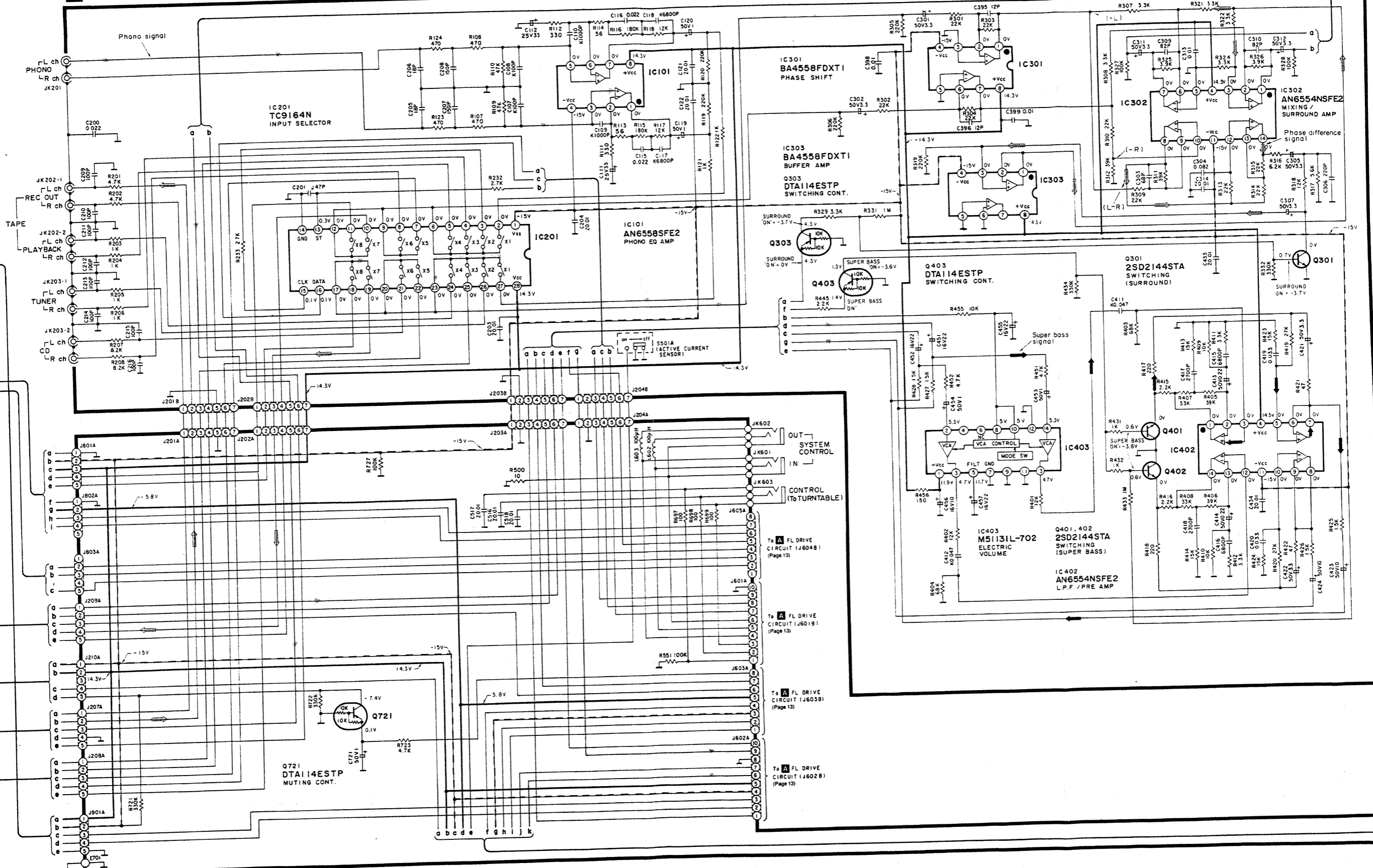


E INPUT/OUTPUT TERMINAL CIRCUIT



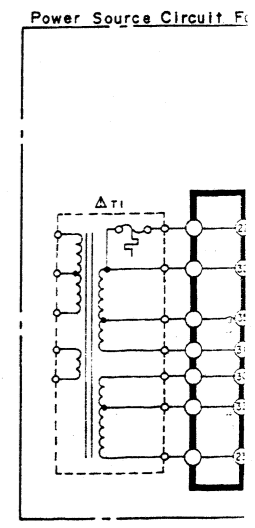
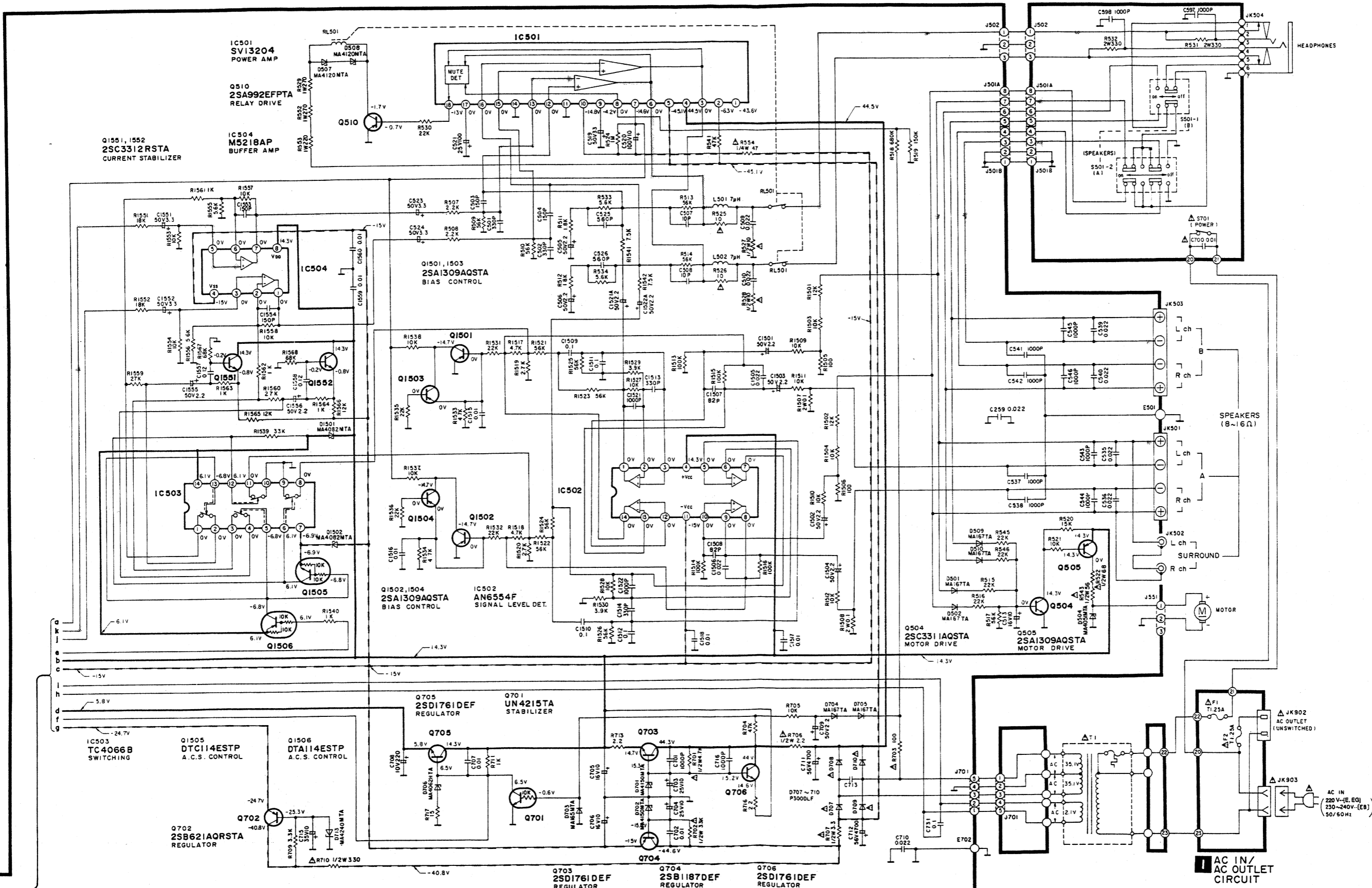
G MAIN CIRCUIT

F PHONO/TAPE/TUNER/CD TERMINAL CIRCUIT



G MAIN CIRCUIT

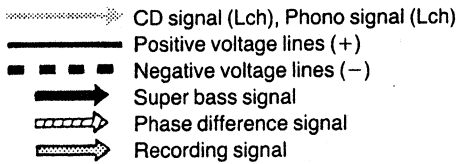
H POWER SWITCH/HEADPHONES CIRCUIT



DESCRIPTION OF FL PANEL

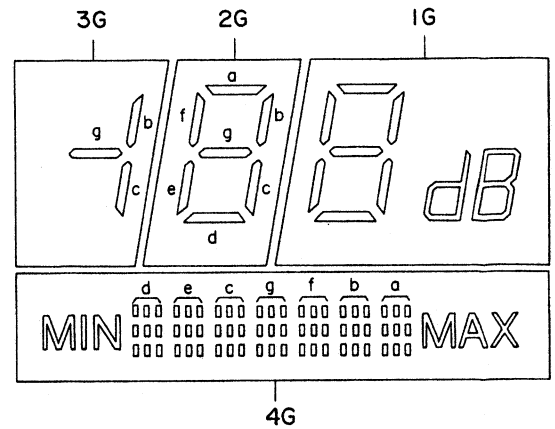
Notes: (This schematic diagram may be modified at any time with the development of new technology.)

- S501A : Active current sensor switch in "OFF" position.
- S501 : Speaker ON/OFF switch.
(S501-1: SPEAKER A in "ON" position)
(S501-2: SPEAKER B in "OFF" position)
- S601 : Turntable input switch. (PHONO)
- S602 : Tuner input switch. (TUNER)
- S603 : Video disc player input switch. (VDP)
- S604 : Tape deck input switch. (TAPE)
- S605 : Video cassette recorder input switch. (VCR)
- S606 : Digital AUX input switch. (DIGITAL AUX)
- S607 : CD input switch. (CD)
- S608 : Digital audio tape deck input switch. (DAT)
- S609 : Super dynamic sound switch. (S. DYNAMIC SOUND)
- S610 : Volume preset switch. (VOLUME PRESET)
- S611 : Super bass switch. (SUPER BASS)
- S612 : Super bass level control switch. (SUPER BASS LEVEL ▲)
- S613 : Super bass level control switch. (SUPER BASS LEVEL ▼)
- S614 : Surround-sound switch. (SURROUND)
- S701 : Power switch. (POWER)



- 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.
- Important safety notice:
Components identified by Δ mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.

- **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.



	4G	3G	2G	1G
P1	a	-	a	a
P2	b	b	b	b
P3	c	c	c	c
P4	d	-	d	d
P5	e	-	e	e
P6	f	-	f	f
P7	g	g	g	g
P8	MIN MAX	-	-	dB

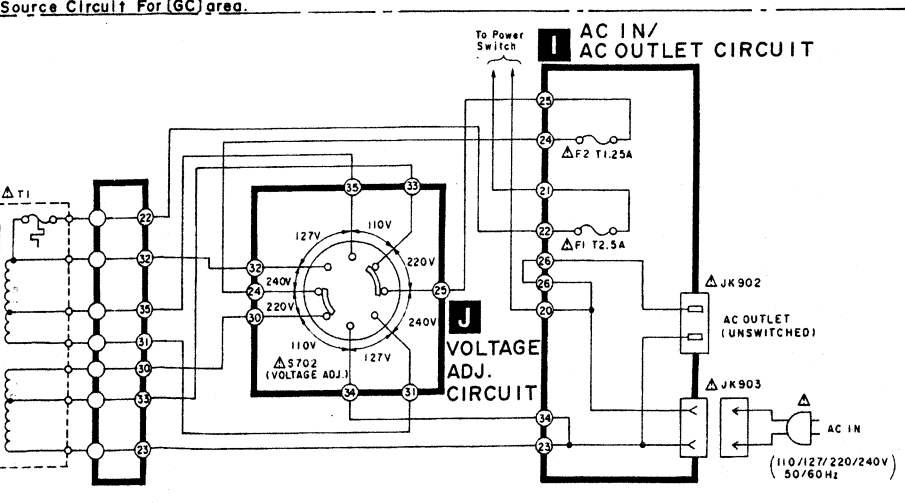
PIN CONNECTION

PIN NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CONNECTION	F	F	N	P	P	P	P	P	2	P	1	P	P	N	N	F	F	F	F	F
	2	2	P	G	1	2	G	3	4	G	5	G	6	7	8	P	P	1	1	1

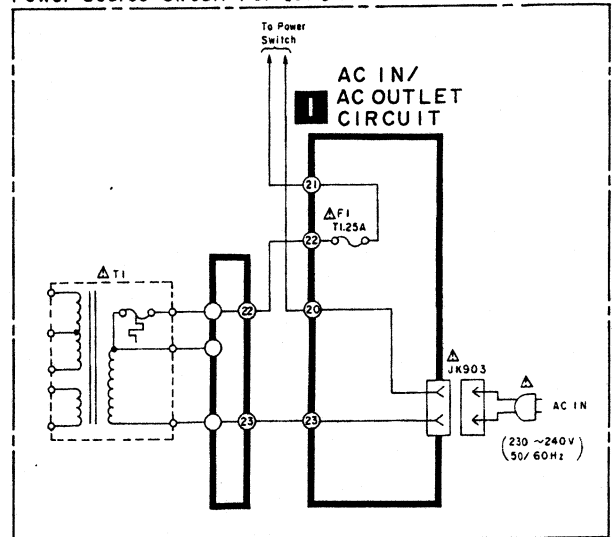
Notes:

- F1, F2 Filament
- NP No pin
- 1G~4G..... Grid

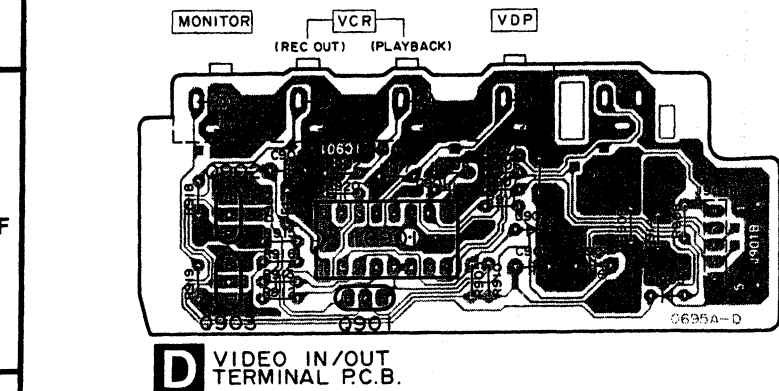
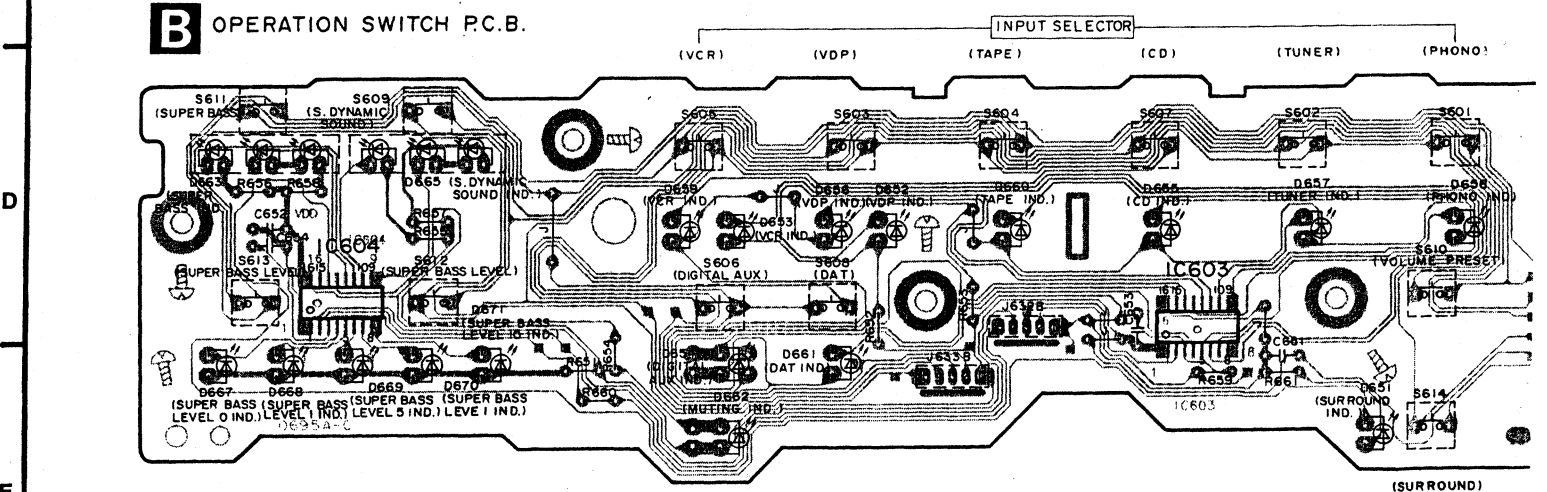
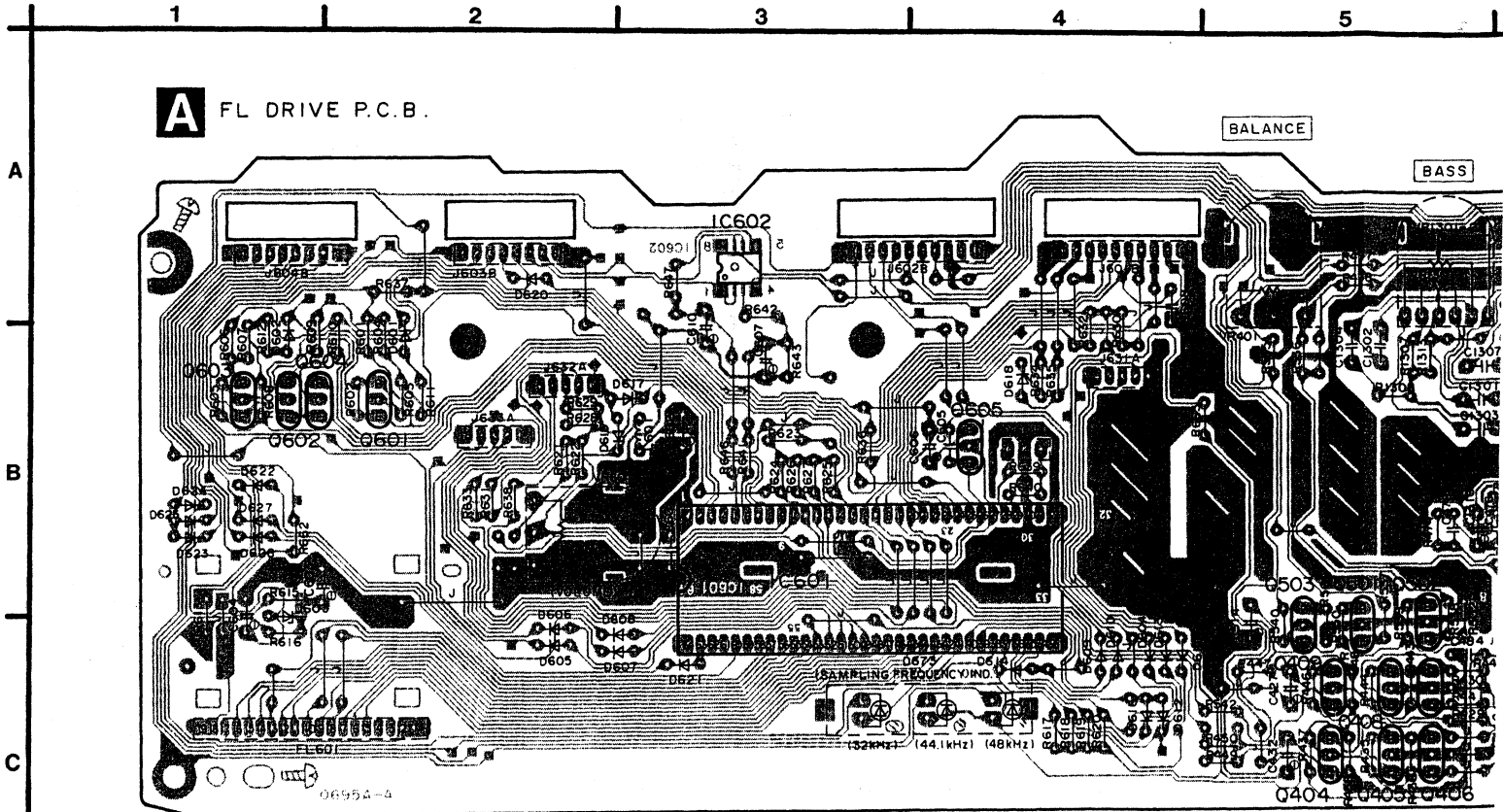
Source Circuit For (GC) area.



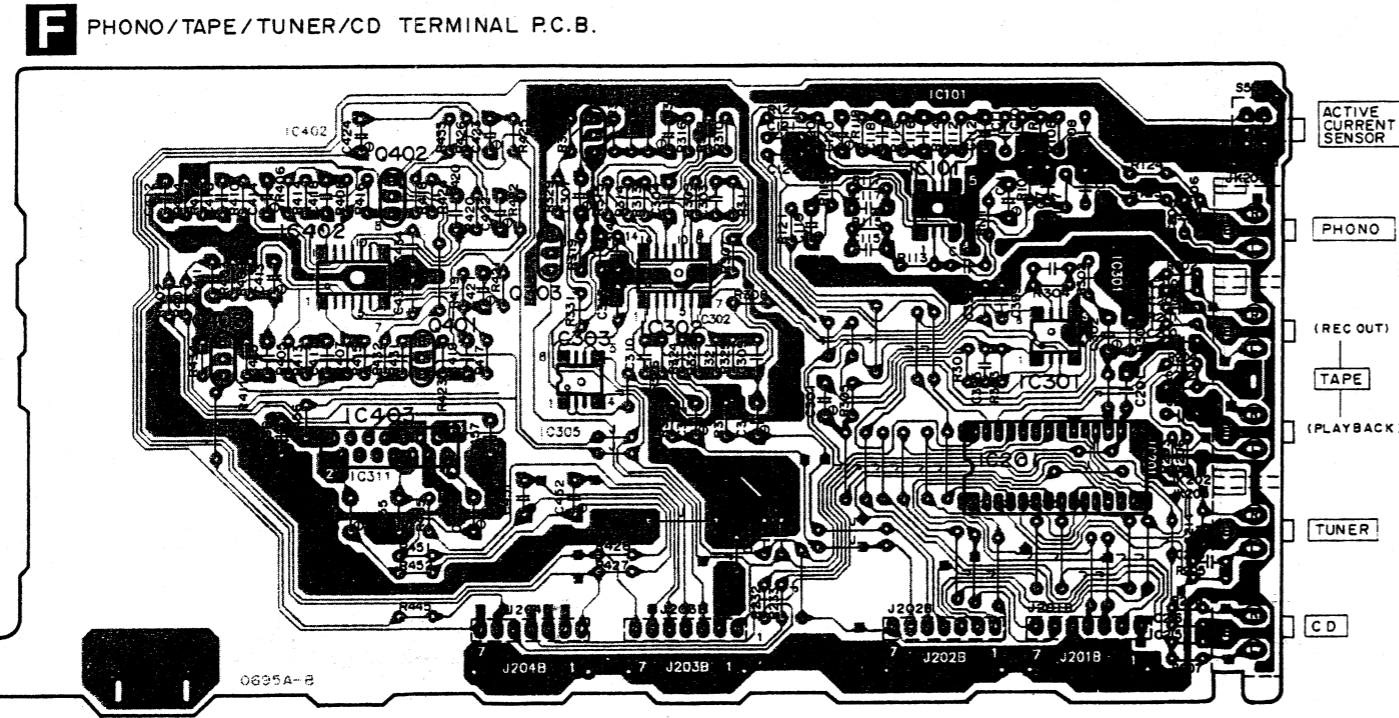
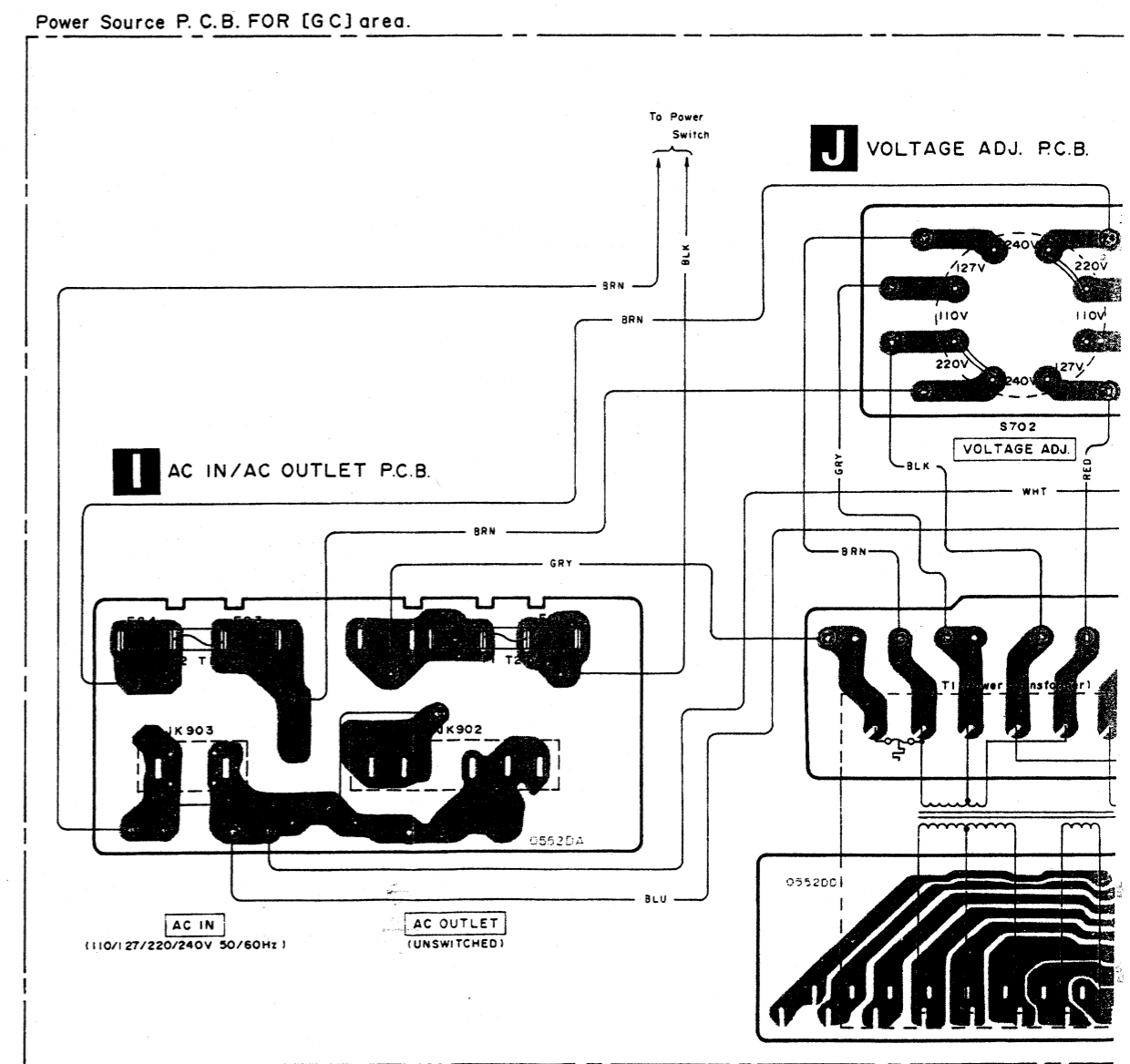
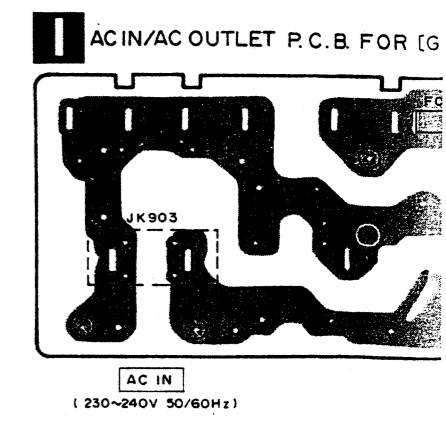
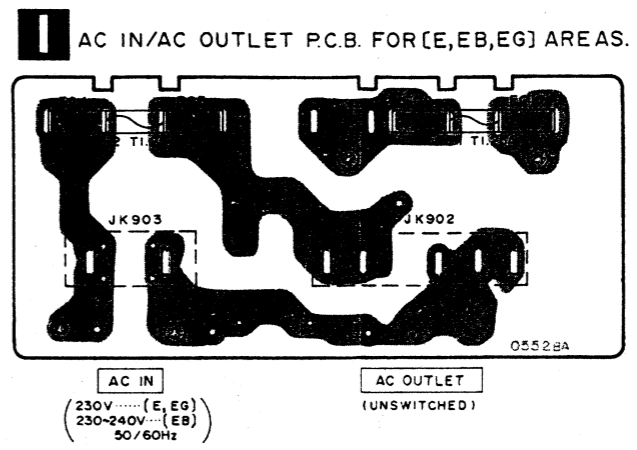
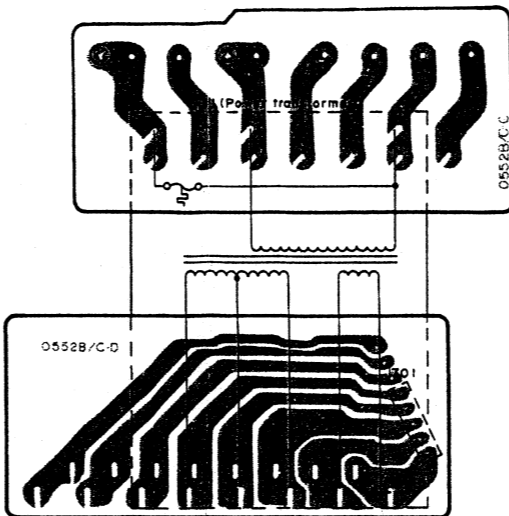
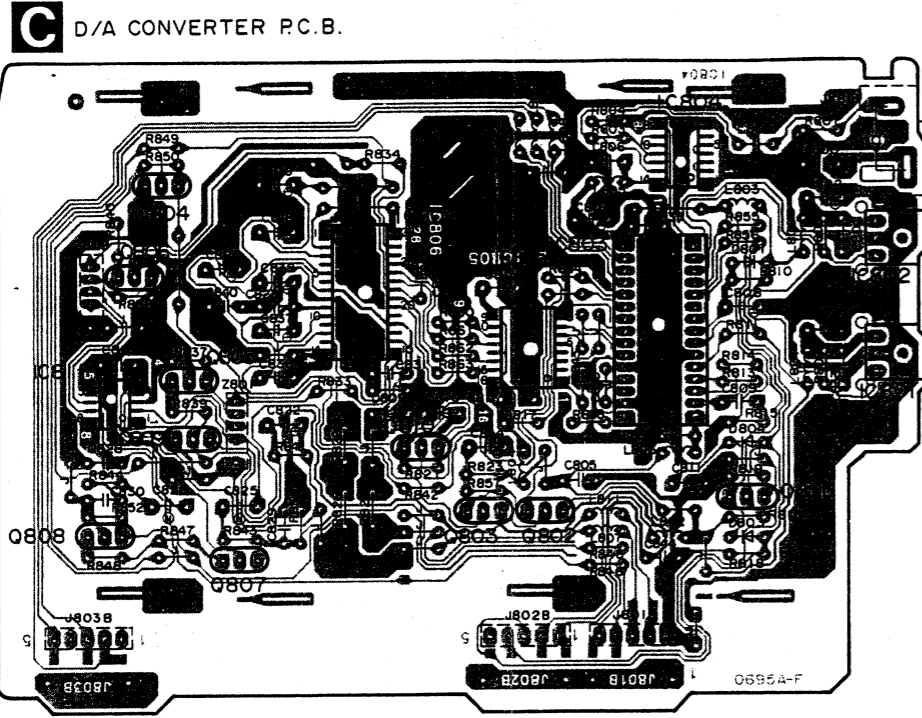
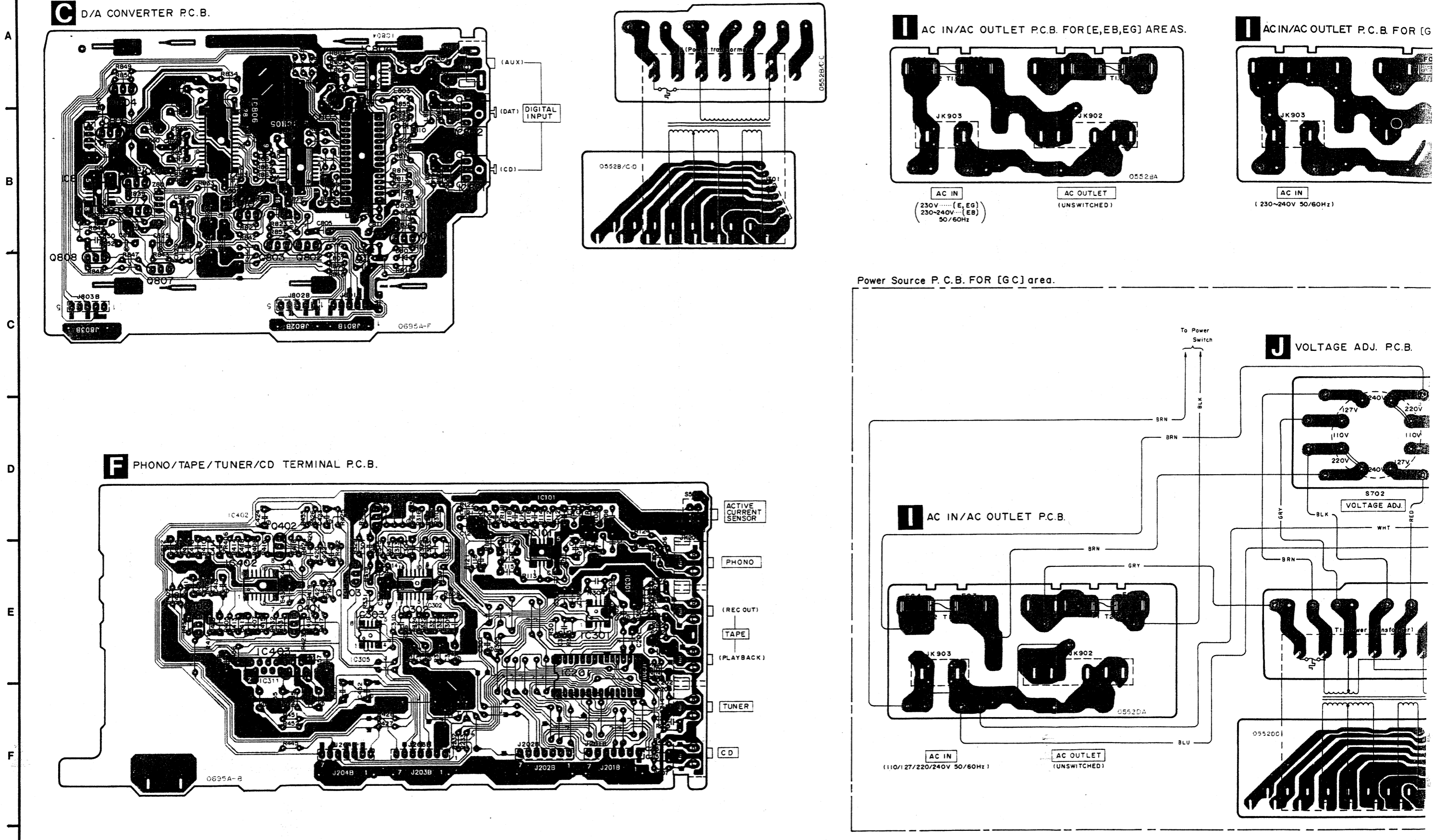
Power Source Circuit For (GN) area.



■ CIRCUIT BOARD DIAGRAM

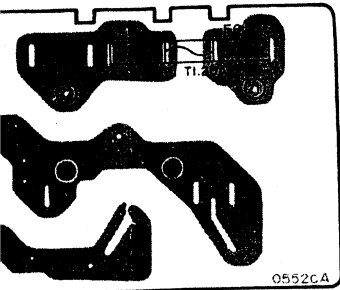


CIRCUIT BOARD DIAGRAM

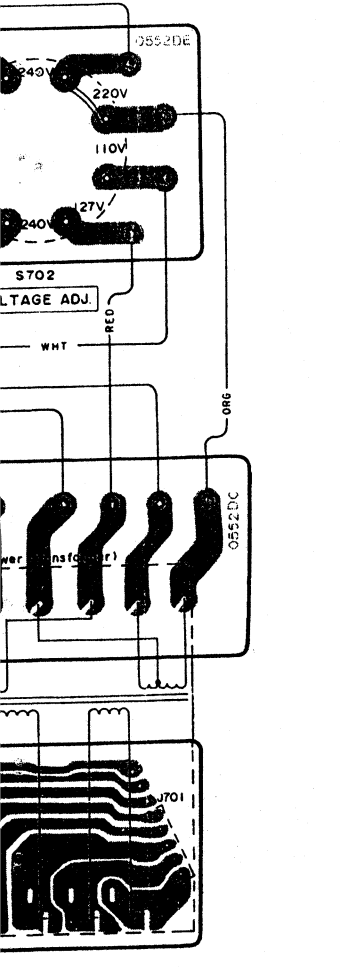


■ TERMINAL GUIDE OF IC'S, TRANSISTORS AND DIODES

C.B. FOR [GN] AREA.

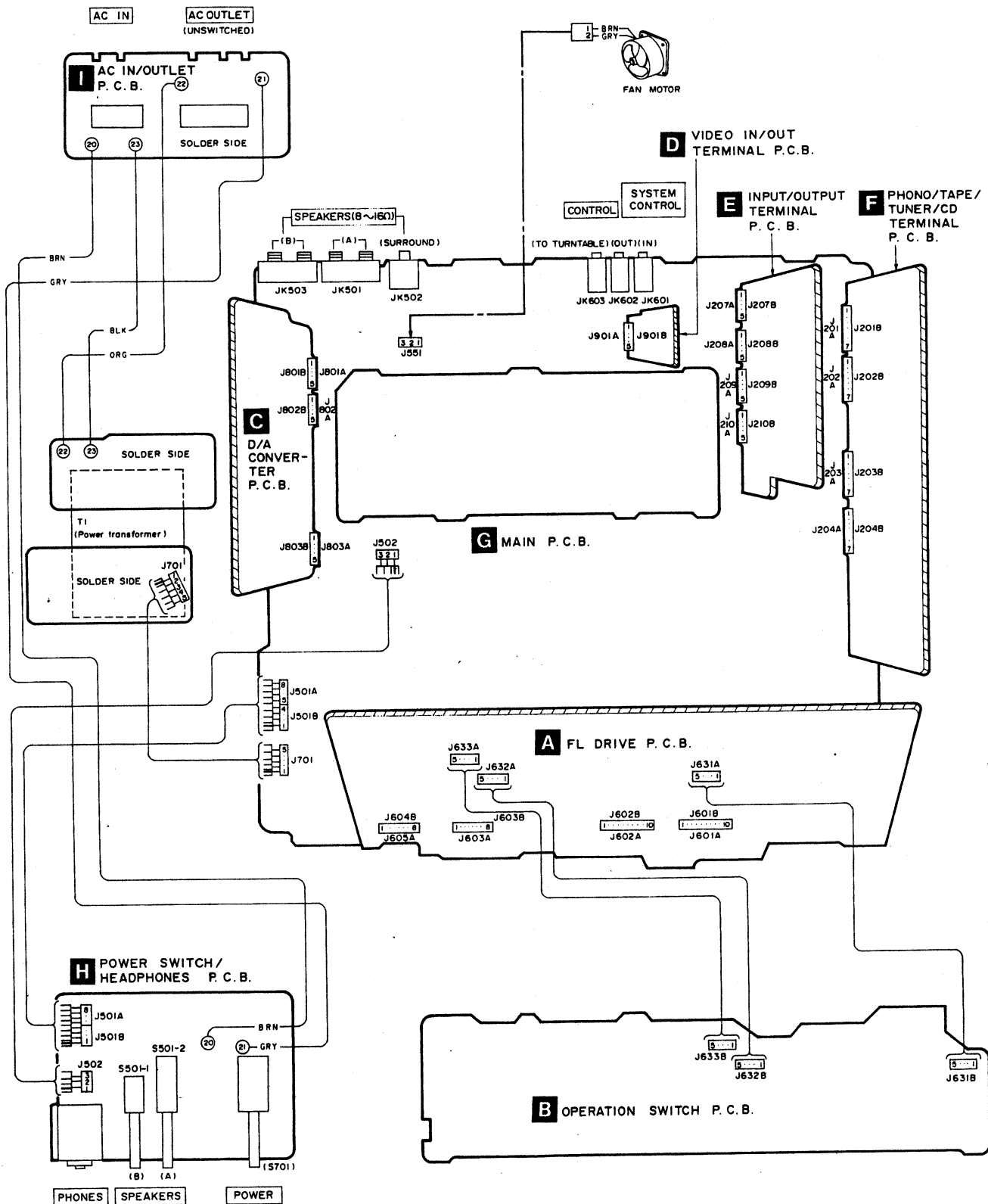


DJ. P.C.B.



<p>AN6558SFE2</p>	<p>BA4558FDXT1 BA4560FT1</p>	<p>AN6554NSFE2</p>	<p>BU2040F-T2 MC74HCU04FEL</p>	<p>PCM1700U-T1</p>
<p>M5218AP</p>	<p>AN6554F</p>	<p>TC4066B</p>	<p>M5283P</p>	<p>MC14052BCP</p>
<p>TC9164N</p>	<p>PD0052</p>	<p>M50754-180SP</p>	<p>M51131L-702</p>	<p>SVI3204</p>
<p>GP1F32R</p>		<p>2SA1309AQSTA 2SC3311AQSTA 2SC3312RSTA 2SD1450STTA UN4215TA</p>		<p>2SD2144STA DTA114ESTP DTC114ESTP DTC144ESTP</p>
<p>2SA992EFPTA 2SB621AQRSTA 2SC3114STUTA</p>	<p>2SB1187DEF 2SD1761DEF</p>		<p>MA165TA MA167TA MA700TA 1SS291TA</p>	<p>P300DLF</p>
	<p>MA4043MTA MA4047MTA MA4051LTA MA4051MTA</p>	<p>MA4120MTA MA4150MTA</p>	<p>LN473YP-C LN873RP-C</p>	<p>LD701YY</p>
<p>LN038568PH</p>				

WIRING CONNECTION DIAGRAM



■ FUNCTION OF IC TERMINALS

●IC601

Pin No.	Symbol	I/O	Function Description
1	VDD	I	+5 V
2	B. DATA OUT	O	Bus data signal out
3	B. CLK OUT	O	Bus clock signal out
5	S. BASS PWM	O	Super bass control signal output
6	VR PWM	O	Volume control signal output
7	B. DATA IN	I	Bus data signal input
8	B. CLK IN	I	Bus clock signal input
9	VRA	I	Rotary encoder (VR601) signal input (Volume control)
10	VRB	I	
11	MUT3	O	Muting control signal output
13	MUT1		
15	REC M	O	Muting control signal output for VTR recording
16	DATA	O	Data signal output
17	CLK	O	Clock signal output
18	STB1	O	The serial data inputted in to IC201 is latched by the STB pulse and the switch is set to ON according to data
19	DATA2	O	LED control signal output
20	CLK2	O	Clock output for IC604
21	PLSTOP	O	Player control signal output
22	PLST/PHONO		
23	PSAY		
24	HLT/HST	I	Power supply detect signal input

●IC805

Pin No.	Symbol	I/O	Function Description
1	X IN	I	Clock signal input
2	X OUT	O	Clock signal output
3	MODE1	I	Master clock input
4	CK OUT	—	NC
5	LR CLK	I	LR clock input
6	DATA	I	Serial data input
7	BCK	I	Bit clock input
8	VSS	—	GND

Pin No.	Symbol	I/O	Function Description
25	DIR1	I	Sampling frequency detect signal input
26	CNVSS	—	GND
27	RESET	I	Reset signal input
28	X IN	I	Clock signal input
29	X OUT	O	Clock signal output
32	VSS	—	GND
34	KS3	I	Key scan signal input
37	KS0		
38	VP	I	Pull down voltage detect signal input
39	S2	O	Input select control signal output
40	S1		
41	S8	O	FL drive signal output
48	S1		
49	K4		
52	K1		
53	G4	O	LED control signal output
56	G1		
57	SEL2	O	LED control signal output
58	SEL1	O	LED control signal output
60	S. BASS. D	O	Super bass control signal output
63	SURR. D	O	Surround control signal output

Pin No.	Symbol	I/O	Function Description		
9	MODE2	I	Select the output data		
13	MODE3			H	18 bit
				L	20 bit
10	SHOUT	—	NC		
11	LD OUT	O	Lch signal output		
12	RD OUT	O	Rch signal output		
14	W OUT	O	Ward clock output		
15	B OUT	O	Bit clock output		
16	VDD	I	To be connected to a power supply (+5 V)		

●IC803

Pin No.	Symbol	I/O	Function Description
1	IN1	I	Digital audio interface signal input
2	IN2		
3	IN3		
4	S1	I	Input select 1
5	S2	I	Input select 2
6	OUT	O	Input data select signal out
7	TEST	I	— (VDD)
8	RESET	I	Reset signal input
9	VCOINH	I	VCO control signal input
10	VSS	—	Digital ground
11	PCVS	I	VCO control signal input
12	PCOUT	O	Phase comparative output
13	R	—	VCO adjustment (Resistor)
14	VCO IN	I	VCO control signal input
15	VDD1	I	VCO VDD

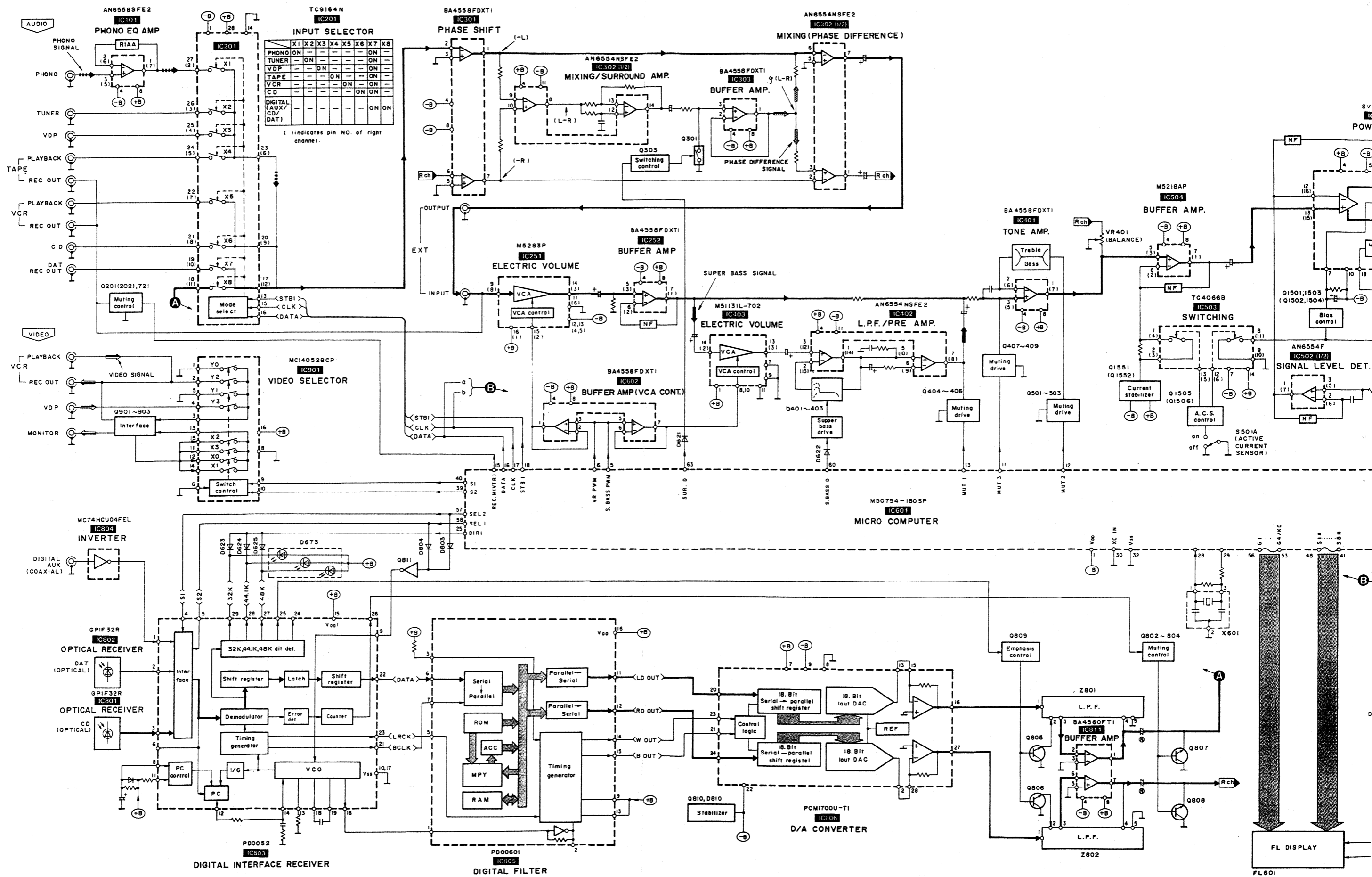
●IC806

Pin No.	Symbol	I/O	Function Description
1	A. GND	—	Analog ground
2	I OUT (R)	O	Current output (Rch)
3	BPO DC (R)	I	Offset filter (Rch)
4	MSB ADJ (R)	—	—
5	SERVO DC (R)	I	Servo filter (Rch)
6	V POT	—	—
7	VCC	I	Analog positive supply
8	D. GND	—	Digital ground
9	-VCC	I	Analog negative supply
10	SERVO DC (L)	I	Servo filter (Lch)
11	MSB ADJ (L)	—	—
12	BPO DC (L)	I	Offset filter (Lch)
13	I OUT (L)	O	Current output (Lch)
14	A. GND	—	Analog ground

Pin No.	Symbol	I/O	Function Description
16	VCO OUT	O	VCO output
17	VSS1	—	VCO ground
18	CA	—	VCO adjustment (Capacitor)
19	CB	—	VCO adjustment (Capacitor)
20	MODE	—	L: 16 bit H: 20 bit
21	BCK	O	Data bit clock output
22	DATA	O	Audio data output
23	LRCK	O	Lch/Rch data output (H: Lch)
24	COPY	—	—
25	EMPH	O	Emphasis data output
26	ERR	O	PLL data error output (H: error)
27	48K	O	Sampling frequency data output LED drive signal output
28	44.1K		
29	32K		
30	VDD	I	Digital VDD

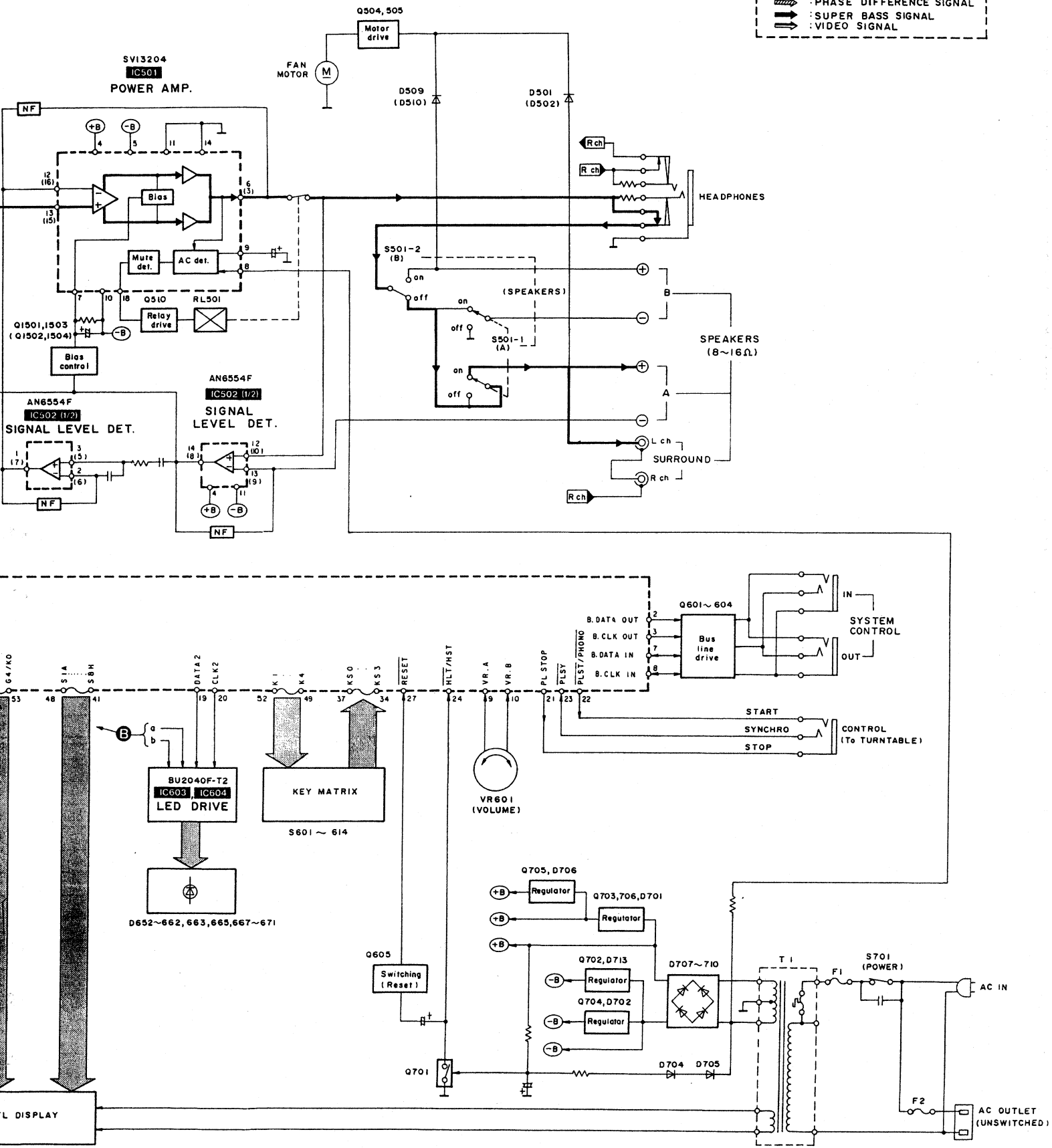
Pin No.	Symbol	I/O	Function Description
15	S. J (L)	I	Summing junction (Lch)
16	V OUT (L)	O	Voltage output (Lch)
17	NC	—	—
18	VDD	I	Digital positive supply
19	NC	—	—
20	DATA (L)	I	Data input (Lch)
21	CLOCK	I	Clock input
22	-VDD	I	Digital negative supply
23	LEC	I	Latch enable control input
24	DATA (R)	I	Data input (Rch)
25	D. GND	—	Digital ground
26	NC	—	—
27	V OUT (R)	O	Voltage output (Rch)
28	S. J (R)	I	Summing junction (Rch)

BLOCK DIAGRAM



Notes:

- : CD SIGNAL (DIGITAL)
- : PHONO SIGNAL
- : MAIN SIGNAL
- : PHASE DIFFERENCE SIGNAL
- : SUPER BASS SIGNAL
- : VIDEO SIGNAL



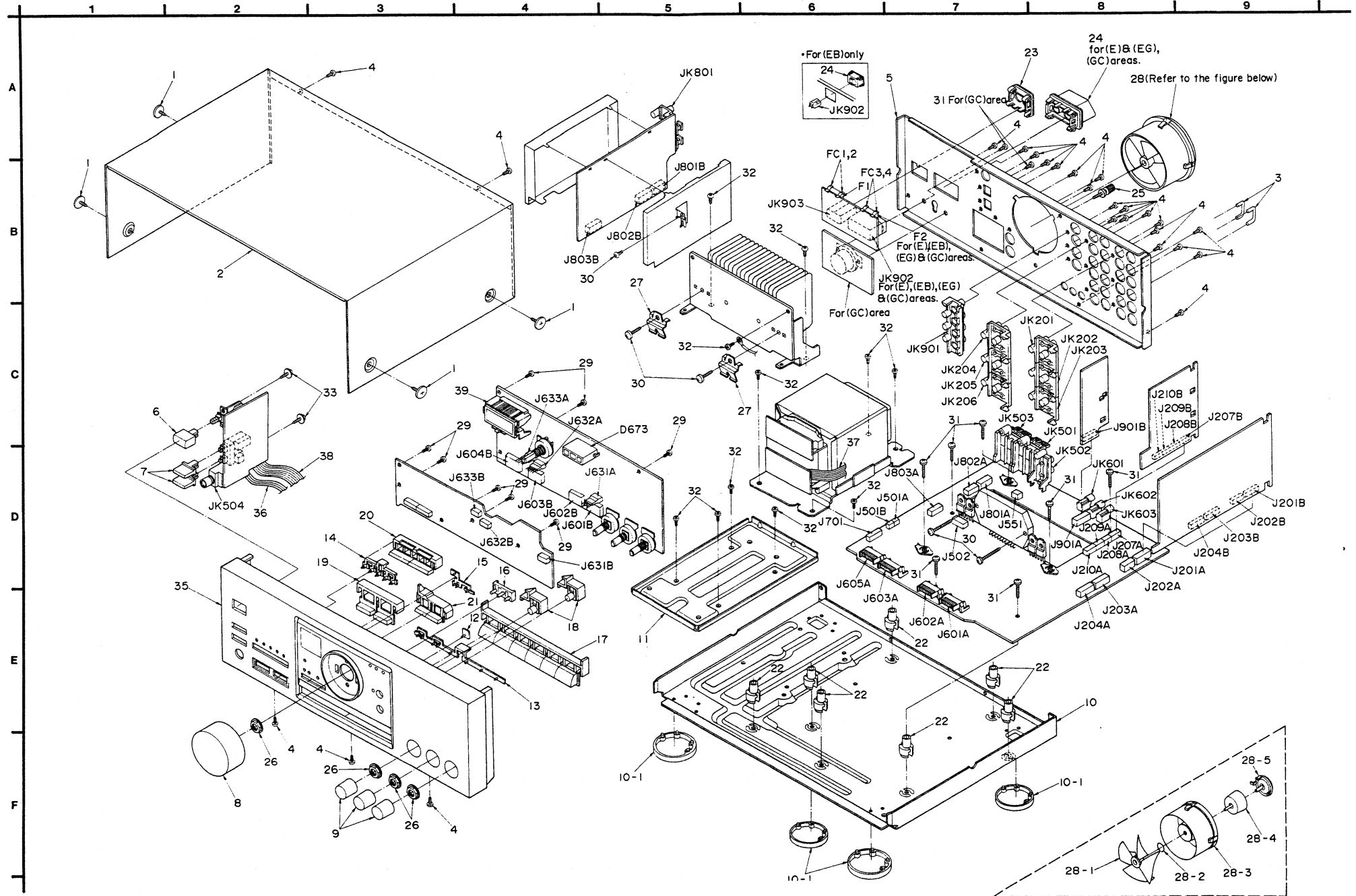
REPLACEMENT PARTS LIST

Notes : * Important safety notice:
 Components identified by Δ mark have special characteristics important for safety. When replacing any of these components use only manufacturer's specified parts.
 • The parenthesized indications in the Remarks columns specify the areas. (Refer to the cover page for area.)
 Parts without these indications can be used for all areas.

Ref. No.	Part No.	Part Name & Description	Remarks	Ref. No.	Part No.	Part Name & Description	Remarks
		INTEGRATED CIRCUIT(S)					
IC101	AN6558SE2	I. C. PHONO EQ AMP		Q603	2SC3311A-Q	TRANSISTOR	
IC201	TC9164N	I. C. INPUT SELECTOR		Q604	DTC144EKT96	TRANSISTOR	
IC251	MS283P	I. C. ATTENUATOR		Q605	DTC114ESTP	TRANSISTOR	
IC252	BA4558FDXT1	I. C. BUFFER AMP		Q701	UN4215	TRANSISTOR	
IC301	BA4558FDXT1	I. C. PHASE SHIFT		Q702	2SB621A-R	TRANSISTOR	
IC302	AN6554NSFE2	I. C. MIXING/SURROUND AMP		Q703	2SD1761DEF	TRANSISTOR	
IC303	BA4558FDXT1	I. C. BUFFER AMP		Q704	2SB1187DEF	TRANSISTOR	
IC401	BA4558FDXT1	I. C. TONE AMP		Q705, 706	2SD1761DEF	TRANSISTOR	
IC402	AN6554NSFE2	I. C. L. P. F./PRE AMP		Q721	DTA114ESTP	TRANSISTOR	
IC403	MS1131L-702	I. C. ELECTRIC VOLUME		Q802, 803	DTC114ESTP	TRANSISTOR	
IC501	SVI3204	I. C. POWER AMP		Q804	DTA114ESTP	TRANSISTOR	
IC502	AN6554F	I. C. SIGNAL LEVEL DET.		Q805, 806	2SC3114STUTA	TRANSISTOR	
IC503	TC4066B	I. C. SWITCHING		Q807, 808	2SD2144S	TRANSISTOR	
IC504	MS218AP	I. C. BUFFER AMP		Q809	DTA114ESTP	TRANSISTOR	
IC601	MS0754-180SP	I. C. MICRO COMPUTER		Q810	2SC3311A-Q	TRANSISTOR	
IC602	BA4558FDXT1	I. C. BUFFER AMP		Q811	DTC114ESTP	TRANSISTOR	
IC603, 604	B02040F-T2	I. C. LED DRIVE		Q901	2SA1309A-R	TRANSISTOR	
IC801, 802	GP1F32R	I. C. OPTICAL RECEIVER		Q902, 903	2SC3311A-Q	TRANSISTOR	
IC803	P00052	I. C. DIGITAL INTERFACE		Q1501-1504	2SA1309A-R	TRANSISTOR	
IC804	MC74HC04FEL	I. C. INVERTER		Q1505	DTC114ESTP	TRANSISTOR	
IC805	P000601	I. C. DIGITAL FILTER		Q1506	DTA114ESTP	TRANSISTOR	
IC806	PCML700U-T1	I. C. D/A CONVERTER		Q1551, 1552	2SC3312RSTA	TRANSISTOR	
IC811	SV1B44560FT1	I. C. BUFFER AMP				DIODE (S)	
IC901	MC14052BCP	I. C. VIDEO SELECTOR		D501, 502	MA167	DIODE	
		TRANSISTOR(S)		D504	MA405LMTA	DIODE	
Q201, 202	2SD2144S	TRANSISTOR		D507, 508	MA4120	DIODE	
Q205	2SC3311A-Q	TRANSISTOR		D509, 510	MA167	DIODE	
Q206	2SA1309A-R	TRANSISTOR		D590	MA165	DIODE	
Q301	2SD2144S	TRANSISTOR		D601, 602	MA700	DIODE	
Q303	DTA114ESTP	TRANSISTOR		D603	MA4047MTA	DIODE	
Q401, 402	2SD2144S	TRANSISTOR		D604-614	MA165	DIODE	
Q403	DTA114ESTP	TRANSISTOR		D615	1SS291TA	DIODE	
Q404	DTA114ESTP	TRANSISTOR		D616-618	MA165	DIODE	
Q405-408	2SD2144S	TRANSISTOR		D620-625	MA165	DIODE	
Q409	2SA1309A-R	TRANSISTOR		D627, 628	MA165	DIODE	
Q501, 502	2SD1450STTA	TRANSISTOR		D651	LN873RP-C	LED	
Q503	2SA1309A-R	TRANSISTOR		D652, 653	LN473YP-C	LED	
Q504	2SC3311A-Q	TRANSISTOR		D654-662	LN873RP-C	LED	
Q505	2SA1309A-R	TRANSISTOR		D663	LD701YY	DIODE	
Q510	2SA992EPPTA	TRANSISTOR		D665	LD701YY	DIODE	
Q601	2SC3311A-Q	TRANSISTOR		D667-671	LN873RP-C	LED	
Q602	DTC144EKT96	TRANSISTOR		D673	LN038568PH	LED	
				D701, 702	MA4150M	DIODE	
				D703	MA165	DIODE	
				D704, 705	MA167	DIODE	

Ref. No.	Part No.	Part Name & Description	Remarks	Ref. No.	Part No.	Part Name & Description	Remarks
D706	MA4062-H	DIODE				DISPLAY TUBE	
D707-710, Δ	P300DLF	DIODE				DISPLAY TUBE	
D713	MA4240H	DIODE				DISPLAY TUBE	
D801	MA165	DIODE		FL601	RSL0074-F	DISPLAY TUBE	
D803, 804	MA165	DIODE				FUSE (S)	
D809	MA4051-L	DIODE				FUSE (S)	
D810	MA4043M	DIODE		F1 Δ	XBA2C12TB0S	FUSE	(E, EB, EG, GC)
D901	MA4047MTA	DIODE		F1 Δ	XBA2C25TB0	FUSE	(GC)
D902, 903	MA165	DIODE		F2 Δ	XBA2C12TB0S	FUSE	(E, EB, EG, GC)
D1501, 1502	MA4082MTA	DIODE				SWITCH (ES)	
		VARIABLE RESISTOR(S)					
VR401	EMFDFAF20G15	V. R. BALANCE		SS01A	RSS28006-M	SM. ACTIVE CURRENT SENSOR	
VR601	EVQWQAF2524B	V. R. VOLUME		SS01	SSH2128	SM. SPEAKER ON/OFF	
VR1301	EMC2XAF20C15	V. R. BASS		S601	EVQ21405R	SM. PHONO	
VR1302	EMC2XAF20C15	V. R. TREBLE		S602	EVQ21405R	SM. TUNER	
		POSISTOR(S)		S603	EVQ21405R	SM. VDP	
				S604	EVQ21405R	SM. TAPE	
				S605	EVQ21405R	SM. VCR	
PS590	SRPBD47101	POSISTOR		S606	EVQ21405R	SM. DIGITAL AUX	
		COMPONENT COMBINATION (S)		S607	EVQ21405R	SM. CD	
				S608	EVQ21405R	SM. SAT	
2801, 802	H80N2041B	COMPONENT COMBINATION		S609	EVQ21405R	SM. S. DYNAMIC SOUND	
		COIL (S)		S610	EVQ21405R	SM. VOLUME PRESET	
				S611	EVQ21405R	SM. SUPER BASS	
				S612	EVQ21405R	SM. SUPER BASS LEVEL UP	
				S613	EVQ21405R	SM. SUPER BASS LEVEL DOWN	
L501, 502	SLQY07G-40	COIL		S614	EVQ21405R	SM. SURROUND	
L601	ELEXT100KA9	COIL		S701 Δ	ES88249V	SM. POWER	
L602, 603	RLQZP101KT-Y	COIL		S702 Δ	ESE37263	SM. VOLTAGE SELECTOR	
L800, 801	RLQZP470KT-Y	COIL				JACK(S)	
L802	RLQZP101KT-Y	COIL					
L803	RLQZP3R3KT-Y	COIL		J502	RJS1A1703	CONNECTOR (3P)	
L804	RLQZP1R2KT-Y	COIL		J551	SJT3213	CONNECTOR (3P)	
L805	RLQZP3R3KT-Y	COIL		J701	RJS1A1705	CONNECTOR (5P)	
L806	RLQZP1R2KT-Y	COIL		J201A	RJU060G07T	SOCKET	
L807	RLQZP3R3KT-Y	COIL		J202A	RJU060G07T	SOCKET	
L808-810	RLQZP1R2KT-Y	COIL		J203A	RJU060G07T	SOCKET	
L811	RLQZP3R3KT-Y	COIL		J204A	RJU060G07T	SOCKET	
		TRANSFORMER (S)		J207A	RJU060G05T	SOCKET	
				J208A	RJU060G05T	SOCKET	
T1 Δ	RTP1NSD10-W	POWER TRANSFORMER	(E, EG)	J209A	RJU060G05T	SOCKET	
T1 Δ	SLTSN483-W	POWER TRANSFORMER	(GC)	J210A	RJU060G05T	SOCKET	
T1 Δ	SLTSN481-W	POWER TRANSFORMER	(EB, GN)	J501A	RJS1A1704	CONNECTOR (4P)	
		OSCILLATOR(S)		J601A	RJU03K010M1	SOCKET (10P)	
				J602A	RJU03K010M1	SOCKET (10P)	
				J603A	RJU03K008M1	SOCKET (8P)	
X601	EF0GC6004T4	CERAMIC FILTER		J605A	RJU03K008M1	SOCKET (8P)	
				J631A	SJT305498B1	CONNECTOR	
				J632A	SJT305498B1	CONNECTOR	

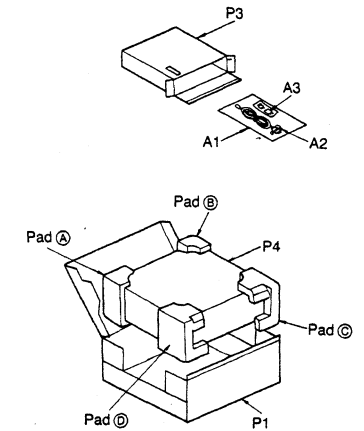
■ CABINET PARTS LOCATION



Ref. No.	Part No.	Part Name & Description	Remarks
		CABINET PARTS	
1	RHD30007	SCREW	
2	RWD024A-2K	CABINET	
3	SJP9205-2Y	SHORTING PIN	
4	XTBS3+8JFZ1	SCREW	
5	RGRO105C-C1	REAR PANEL	(E)
5	RGRO105B-B1	REAR PANEL	(EB)
5	RGRO105C-D1	REAR PANEL	(EG)
5	RGRO105D-1	REAR PANEL	(GC)
5	RGRO105E-1	REAR PANEL	(GN)
6	RGUD030	BUTTON, POWER	
7	RGU0101	BUTTON, SPEAKER	
8	RGW0121-K	KNOB, MAIN VOL.	
9	RGW0125-K	KNOB, BALANCE VOL.	
10	RFKJUX502E-K	CHASSIS ASS'Y	
10-1	RKAD011-2	FOOT	
11	RMA0138	PLATE	
12	RFKJUX502EAK	PANEL LIGHT	
13	RGLO094-X	PANEL LIGHT	
14	RGLO096-X	PANEL LIGHT	
15	RFKJUX502EBK	PANEL LIGHT	
16	RGLO131-C	PANEL LIGHT	
17	RGU0470-K1	BUTTON, SELECT	
18	RGU0471-K1	BUTTON, VOL. PRESET	
19	RGU0472-C	KNOB, S. DYNAMIC	
20	RGU0473-K1	BUTTON, S. DYNAMIC UP/DOWN	
21	RGU0474A-K	BUTTON, TAPE	
22	SHE187-2	HOLDER	
23	SJS9231A	AC INLET COVER	(E, EB, EG, GC)
23	SJS9234A	AC INLET COVER	(GN)
24	SJS9333A	AC OUTLET COVER	(E, EG)
24	SJS9332A	AC OUTLET COVER	(EB)
24	SJS9233A	AC OUTLET COVER	(GC)
25	SNE2123	GND SCREW	
26	SNE4021-1	NUT	
27	SUS894-1	ANGLE	
28	SYE1128-2	FAN ASS'Y	
28-1	SHE232	FAN	
28-2	SUS271	SPRING	
28-3	SHE233	FAN CASE	
28-4	MDN-4RB4MFC	MOTOR	
29	XTBS26+8J	SCREW	
30	XTB3+16JFZ	SCREW	
31	XTB3+20JFZ	SCREW	
32	XTB3+8JFZ	SCREW	
33	XTWS3+8T	SCREW	
34	XYNG+C6FZ	SCREW	(GC)
35	RFKJUX502E-K	FRONT PANEL ASS'Y	
36	RWJ1803200KQ	FLAT CABLE	
37	RWJ1805110KQ	FLAT CABLE	

Ref. No.	Part No.	Part Name & Description	Remarks
38	RWJ1808150KQ	FLAT CABLE	
39	RWN0102	FL. HOLDER	
		PACKING MATERIAL	
P1	RPG0840	PACKING CASE	
P2	RPN0412	PAD ASS'Y	
P3	SPSD152	ACCESSORY BOX	
P4	XZB60X65A01Z	PROTECTION COVER	
		ACCESSORIES	
A1	RQF1096	INSTRUCTION MANUAL ASS'Y	(E)
A1	RQF1097	INSTRUCTION MANUAL ASS'Y	(EB)
A1	RQF1098	INSTRUCTION MANUAL ASS'Y	(EG)
A1	RQF1095	INSTRUCTION MANUAL ASS'Y	(GN)
A1	RQF1094	INSTRUCTION MANUAL ASS'Y	(GC)
A1-1	RQAD013	WARRANTY CARD	(E, EB, EG)
A1-1	SQX7186	WARRANTY CARD	(GN)
A1-2	RQCB0169	SERVICENTER LIST	
A1-3	RFKJUX502E-K	INSTRUCTION MANUAL	(E)
A1-3	RQT1000-B	INSTRUCTION MANUAL	(EB, GN)
A1-3	RQT1001-D	INSTRUCTION MANUAL	(EG)
A1-3	RQT0998-G	INSTRUCTION MANUAL	(GC)
A1-4	SPB1061	POLYETHYLEN COVER	
A2 Δ	SJA187	AC CORD	(E, EG)
A2 Δ	SJA188	AC CORD	(EB)
A2 Δ	SJA173	AC CORD	(GN)
A2 Δ	RJA0004	AC CORD	(GC)
A3 Δ	SJP9215	AC PLUG UADAPTOR	(GC)

■ PACKAGING



P2: Pad (A) (B) (C) (D) Ass'y; RPN0412