

Service Manual

Amplifier

Stereo Integrated Amplifier

SU-G90

Color

(K) Black Type



Areas

Country Code	Area	Color
(P), (P2)	U.S.A.	(K)
(PC)	Canada	
(PX)	Far East-PX	

•System No.: **SC-S2200**

(Refer to page 3.) **SC-S3200**

SC-S3210

SPECIFICATIONS (IHF '78)

■ AMPLIFIER SECTION

■ AMPLIFIER SECTION

Rated minimum sine wave RMS power output 20 Hz~20 kHz both channels driven 0.05% total harmonic distortion
130 W per channel (8Ω)

1 kHz continuous power output both channels driven 0.05% total harmonic distortion
135 W per channel (8Ω)

Dynamic headroom 1.1 dB (8Ω)

Dumping factor 30 (8Ω)

Total harmonic distortion half power at 1 kHz 0.03% (8Ω)

SMPTÉ intermodulation distortion 0.05% (8Ω)

Frequency response

PHONO RIAA standard curve ±0.8 dB

TUNER, CD, TAPE, VCR 2/TV, DAT/VCR 1/EQ

10 Hz~80 kHz, (+0, -3 dB)

Input sensitivity

PHONO 0.4 mV (2.5 mV, IHF '66)

TUNER, CD, TAPE, VCR 2/TV, DAT/VCR 1/EQ

15 mV (150 mV, IHF '66)

S/N (IHF, A)

PHONO 71 dB (73 dB, IHF '66)

TUNER, CD, TAPE, VCR 2/TV, DAT/VCR 1/EQ

75 dB (94 dB, IHF '66)

Maximum input voltage

PHONO 128 mV (135 mV, 1 kHz IHF '66)

Input impedance

PHONO 47 kΩ

TUNER, CD, TAPE, VCR 2/TV, DAT/VCR 1/EQ 47 kΩ

Tone controls

BASS 50 Hz, +10 dB~-10 dB

TREBLE 20 kHz, +10 dB~-10 dB

SUPER BASS 80 Hz, +6 dB/oct

Output voltage TAPE, DAT/VCR 1/EQ, REC OUT 150 mV

Load impedance

A or B 8Ω

A and B 8Ω

■ REAR AMPLIFIER SECTION

Power output 15 W×2 (8Ω 1 kHz) at T.H.D 0.8%

■ GENERAL

Power consumption 355 W, 485 VA

Power supply

For U.S.A. and Canada: AC 60 Hz, 120 V

For Far East-PX: AC 50 Hz/60 Hz, 110 V/127 V/220 V/240 V

Dimensions (W×H×D) 430×130.5×310 mm

(16⁵/₁₆"×5¹/₈"×12⁷/₃₂"

Weight 8.8 kg (19.4 lb.)

Notes:

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

Technics

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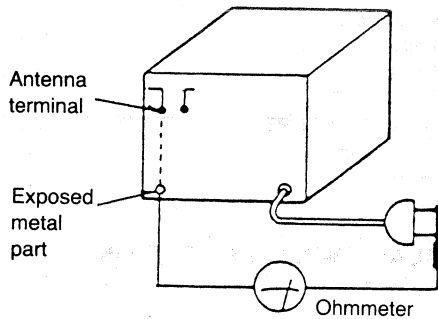
SAFETY PRECAUTION

1. Before servicing, unplug the power cord to prevent an electric shock.
2. When replacing parts, use only manufacturer's recommended components for safety.
3. Check the condition of the power cord. Replace if wear or damage is evident.
4. After servicing, be sure to restore the lead dress, insulation barriers, insulation papers, shields, etc.
5. Before returning the serviced equipment to the customer, be sure to make the following insulation resistance test to prevent the customer from being exposed to a shock hazard.

INSULATION RESISTANCE TEST

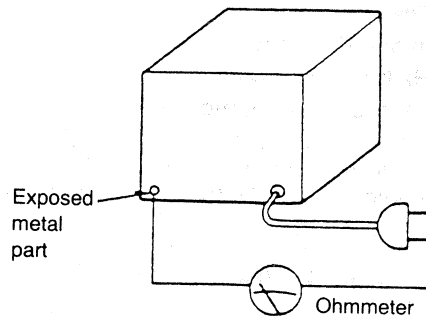
1. Unplug the power cord and short the two prongs of the plug with a jumper wire.
2. Turn on the power switch.
3. Measure the resistance value with ohmmeter between the jumpered AC plug and each exposed metal cabinet part, such as screwheads antenna, control shafts, handle brackets, etc. Equipment with antenna terminals should read between 3 MΩ and 5.2 MΩ to all exposed parts. (Fig. A) Equipment without antenna terminals should read approximately infinity to all exposed parts. (Fig. B)

Note: Some exposed parts may be isolated from the chassis by design. These will read infinity.



(Fig. A)

Resistance = 3 MΩ - 5.2 MΩ



(Fig. B)

Resistance = Approx. ∞

4. If the measurement is outside the specified limits, there is a possibility of a shock hazard. The equipment should be repaired and rechecked before it is returned to the customer.

BEFORE REPAIR

- 1) 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.
- 2) Before turning the power supply on, after completion of repair, slowly apply the primary voltage by using a power supply voltage controller to make sure that the consumed current at 120 V 60 Hz in NO SIGNAL mode is 580 mA ~ 830 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.

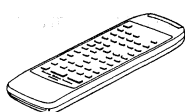
If this occurs, follow the procedure outlined below:

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

Note:

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

■ ACCESSORIES



- Remote-control transmitter 1 pc.
For (P, P2, PC)
areas (RAK-SA501P1)
For (PX) area only (RAK-SA502E)

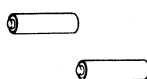
(Remote control cable 1)



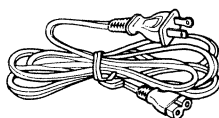
(Synchro edit cable 1)



- Stereo mini cables
(SJP2257T) 2 pcs.
For (PX) area only



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



- AC power supply cord
(polarized) 1 pc.
For (PX) area only (RJA0004)



- Speaker cables for rear
speakers 2 pcs.
For (P2) area only (REE0331)
- AC Plug adaptor (SJP9215)
For (PX) area only

■ LINE-UP OF COMPONENTS

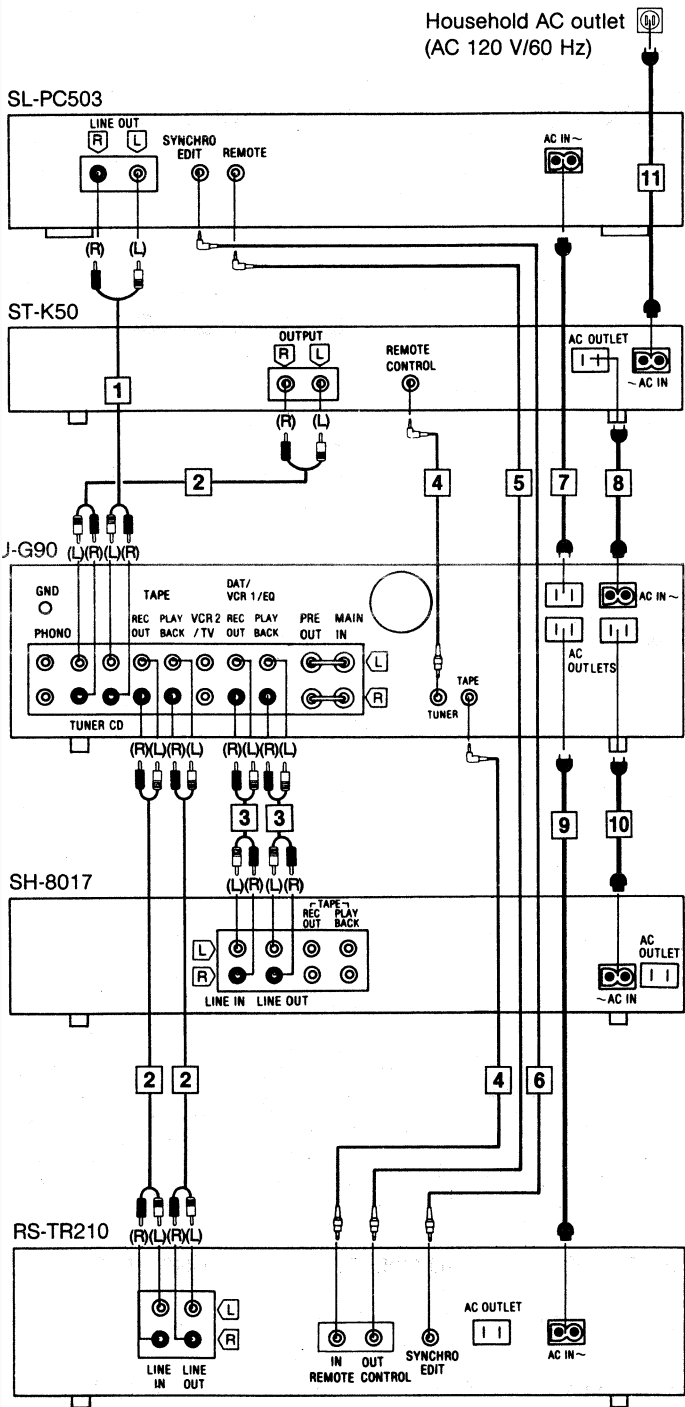
System Name Model Name	SC-S2200		SC-S3200		SC-S3200 (P)
	P	PC	P	PC	
Tuner	ST-K50 (P)	ST-K50 (PC)	ST-K50 (P)	ST-K50 (PC)	ST-K50 (P)
Amplifier	SU-G90 (P)	SU-G90 (PC)	SU-G90 (P2)	SU-G90 (PC)	SU-G90 (P2)
Cassette Deck	RS-TR210 (P)	RS-TR210 (PC)	RS-TR311 (P)	RS-TR210 (PC)	RS-TR311 (P)
CD Player	SL-PC503 (P)	SL-PC503 (PC)	SL-PC503 (P)	SL-PC503 (PC)	SL-PC503 (P)
Equalizer	SH-8017 (P)	—	SH-8017 (P)	SH-8017 (PC)	SH-8017 (P)
Front Speaker	SB-A32 (P)	SB-A32 (PC)	SB-A52 (P)	SB-A52 (PC)	SB-A521 (P)
Rear Speaker	—	—	SB-S15 (P)	—	SB-S15 (P)
Ruck	SH-KS32 (P)	SH-KS32 (PC)	SH-KS52 (P)	SH-KS52 (PC)	SH-KS52 (P)

I CONNECTIONS

Make connections to each component by using the included cords and cables.

Note:

Components capable of receiving remote-control transmission via the remote control cable will not respond to the remote-control transmitter commands unless the audio cables are connected. The same applies to components connected for "CD synchro-edit" operation.



- 1 Connect the stereo connection cable included with SL-PC503.
- 2 Connect the stereo connection cables included with RS-TR210.
- 3 Connect the stereo connection cables included with SH-8017.
- 4 Connect the stereo mini cables for remote-control included with RS-TR210.
- 5 Connect the stereo mini cable for remote-control included with SL-PC503.
- 6 Connect the stereo mini cable for CD synchro-edit-recording included with RS-TR210.
- 7 Connect the AC power supply cord included with SL-PC503.
- 8 Connect the AC power supply cord (short thick type) included with RS-TR210.
- 9 Connect the AC power supply cord (short thick type) included with RS-TR210.
- 10 Connect the AC power supply cord included with SH-8017.
- 11 Connect the AC power supply cord (long thin type) included with RS-TR210.

AC outlets of each unit

Do not connect video equipment (such as a TV, etc.) to these outlets. (These outlets are intended for audio equipment.) Do not exceed the indicated power ratings when connecting to these outlets.

Caution:

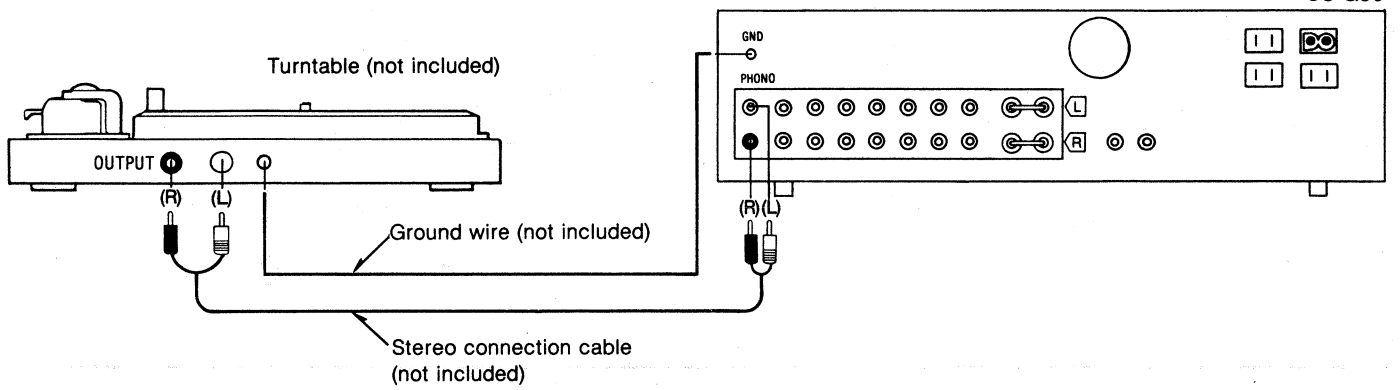
If the AC outlets of SH-8017 and/or RS-TR210 are used, make sure that the total power consumption of the equipment connected to the AC outlets does not exceed 80 W.

Downloaded from www.linephaze.com - Find specs, manuals and used listings across thousands of audio products.

External unit connections

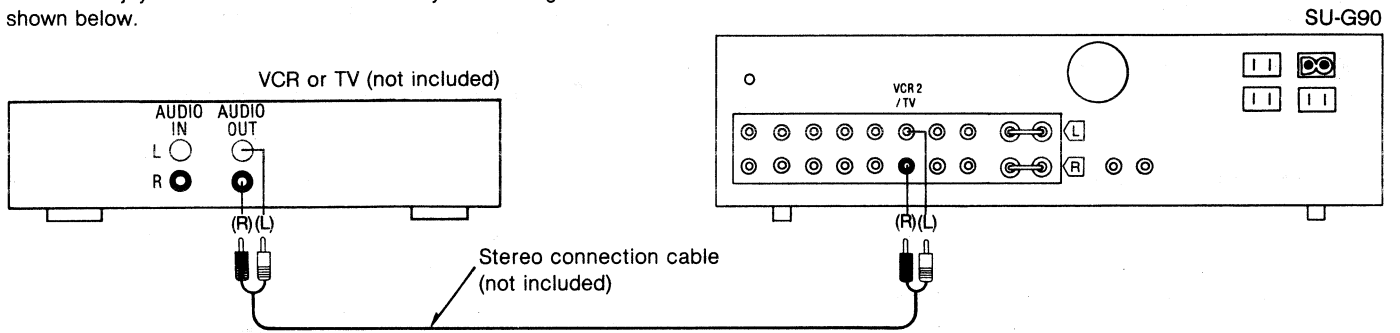
For details, refer to the instruction manual of the unit to be connected.

Connecting a turntable

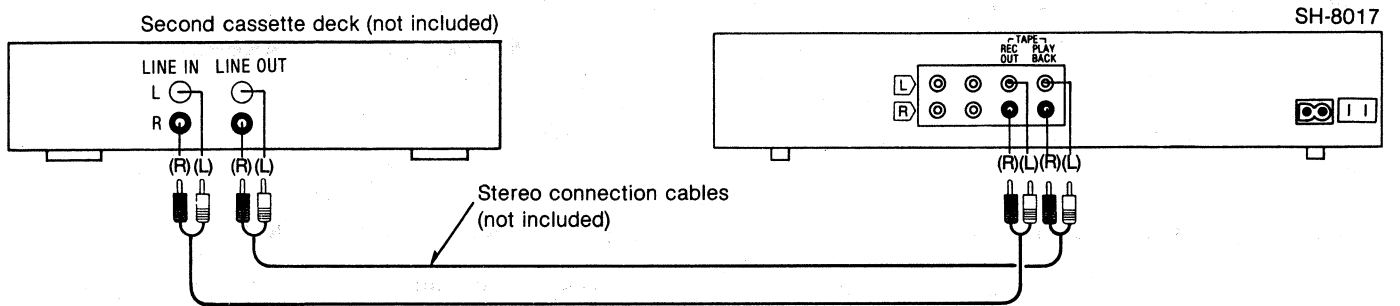


Connecting a VCR or TV (audio line only)

You can enjoy the audio of a VCR or TV by connecting them as shown below.



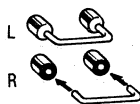
Connecting a second cassette deck



Concerning the "PRE OUT/MAIN IN" terminals and cooling fan of the amplifier

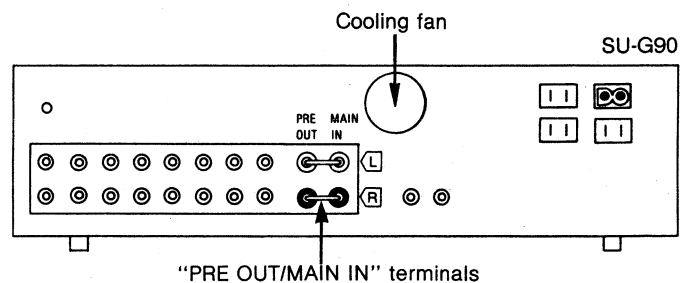
"PRE OUT/MAIN IN" terminals

Use these terminals to operate the amplifier as an independent preamplifier or main amplifier. Do not remove these pins otherwise. (No sound will be heard if they are removed.)

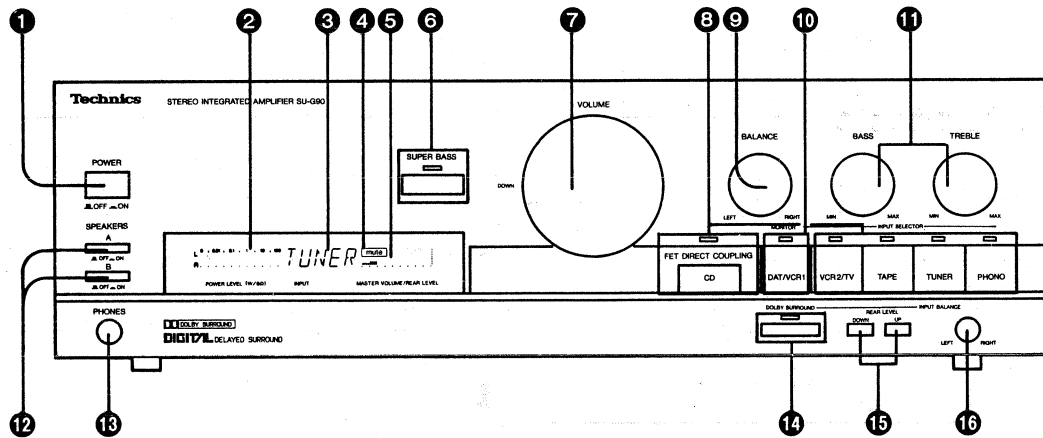


Cooling fan

The cooling fan operates only at high output power levels.



LOCATION OF CONTROLS



The functions indicated by the numbers with black background (7) can also be activated from the remote control transmitter.

1 Power switch (POWER)

2 Peak-power indicators (POWER LEVEL)

These indicators indicate the peak power value of the output level to the speaker systems.

3 Input selector/volume level display (INPUT)

This display usually shows the sound source selected by the input selectors; when the volume-control is used to adjust the volume level, the level is displayed in decibels for about three seconds, after which the display returns again to indication of the sound source.

Note that as the level is increased, the number in - - dB decreases.

4 Muting indicator (mute)

This indicator will illuminate when the muting button on the remote-control transmitter is pressed.

5 Volume indicator (MASTER VOLUME/REAR LEVEL)

Indicates the volume output level at a glance.

6 Super bass switch/indicator (SUPER BASS)

Low frequency sounds are reinforced when this switch is pressed.

The indicator above will illuminate.

7 Volume control (VOLUME)

8 Input selectors/indicators (INPUT SELECTOR)

These selectors are used to select the sound source to be heard, such as a disc, radio broadcasts, etc. The corresponding input selector indicator illuminates during operation to indicate the selected sound source.

The selected sound source is also displayed on the input selector/volume level display.

The "PHONO" input selector can also be used to disable the muting function.

To do this press and hold the button for about 4 seconds.

9 Balance control (BALANCE)

This control is used to adjust the left/right volume balance.

10 DAT/VCR 1-monitor switch/indicator (MONITOR)

Set this switch to the ON position (so that the indicator above is illuminated) when using a graphic equalizer or, playing back or monitoring the sound from a digital audio tape deck or a VCR connected to the "DAT/VCR 1/EQ" terminals. This selector should be set to the OFF position (indicator off) at all other times.

11 Tone controls (BASS/TREBLE)

The bass control is used to adjust the low-frequency sound range, and the treble control is used to adjust the high-frequency sound range.

12 Speaker selectors (SPEAKERS)

These selectors are used to turn the speaker systems on and off.

Note:

When only one speaker system is connected to the amplifier, no sound will be heard if both speaker selectors are pressed.

13 Headphones jack (PHONES)

14 Dolby surround ON/OFF switch (DOLBY SURROUND)

This switch is used to activate the Dolby surround effect.

When this switch is switched OFF, no sound will be heard from the rear speaker systems.

15 Rear speaker volume controls (REAR LEVEL)

These controls are used to adjust the volume level of the rear speaker systems.

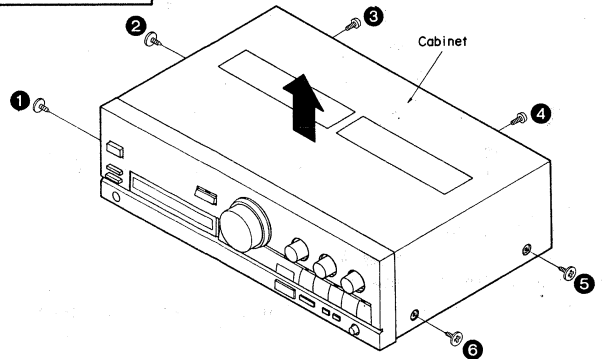
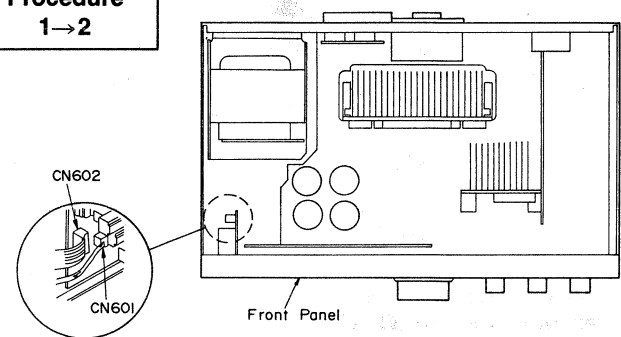
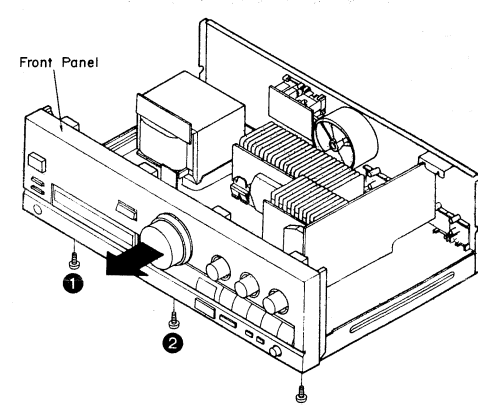
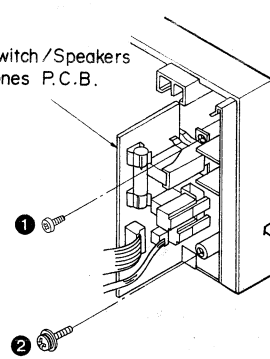
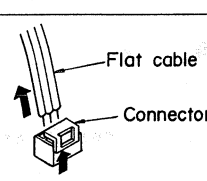
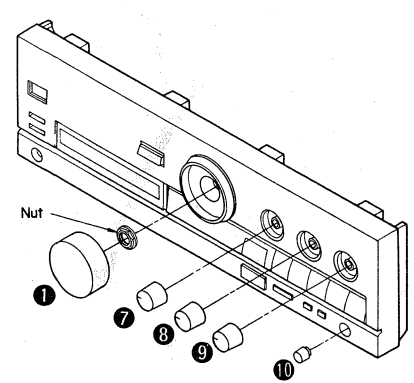
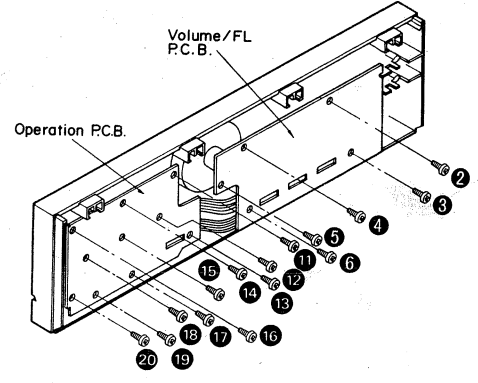
16 Dolby surround input balance control (INPUT BALANCE)

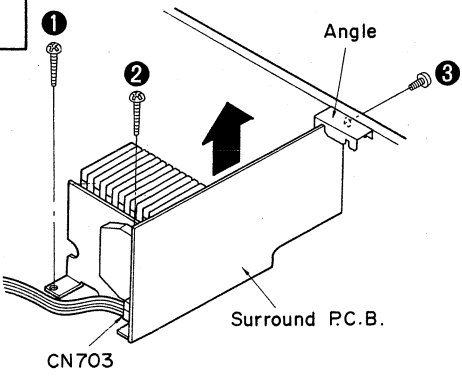
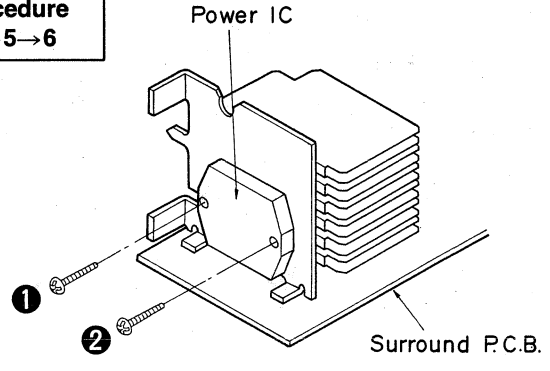
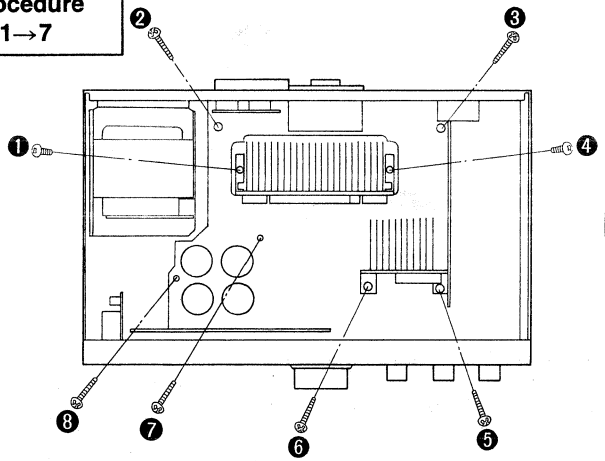
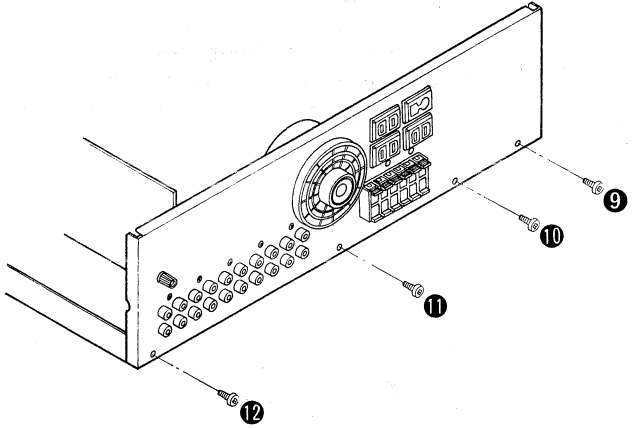
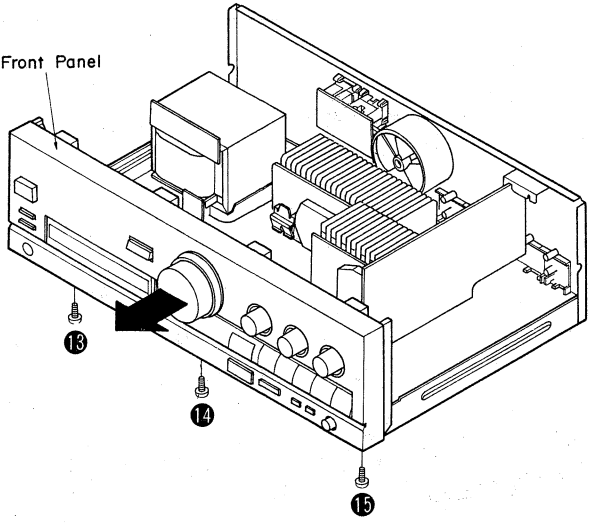
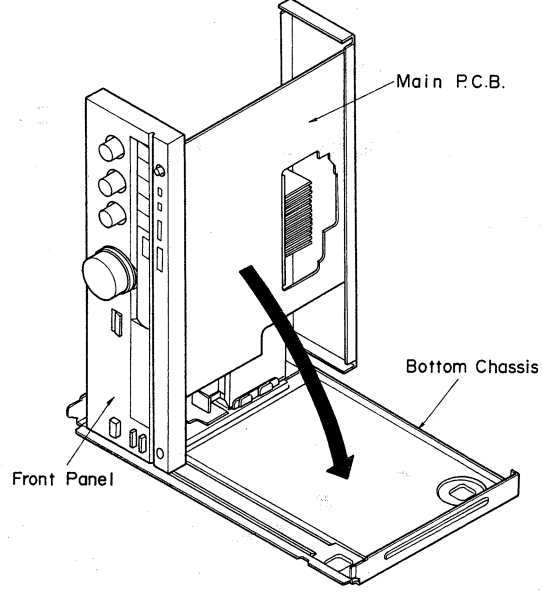
This control is used to minimize dialogue leakage in the surround channel thereby optimizing the Dolby surround decoding operation.

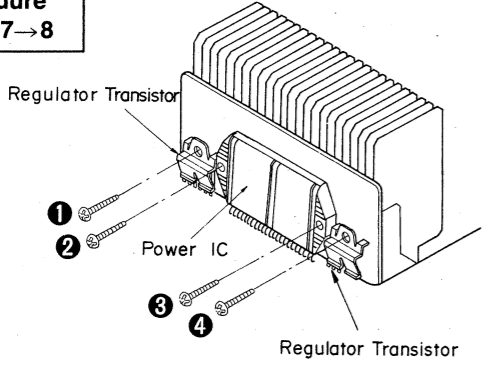
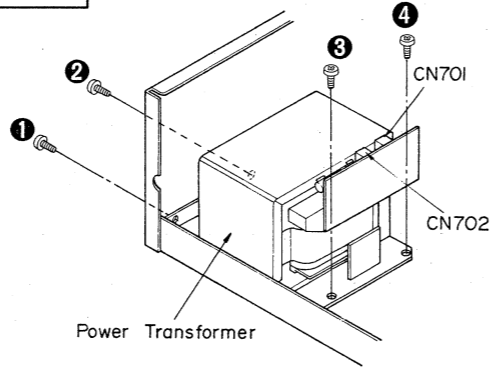
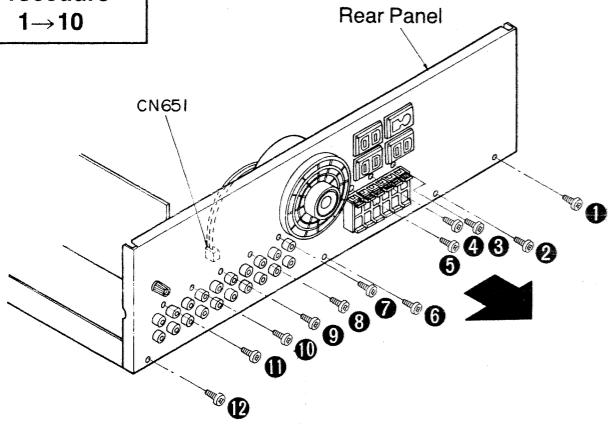
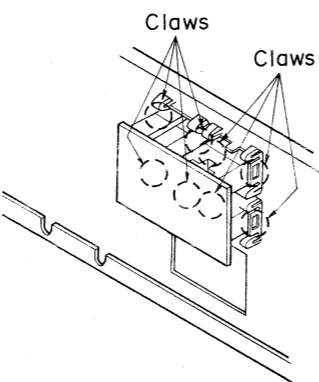
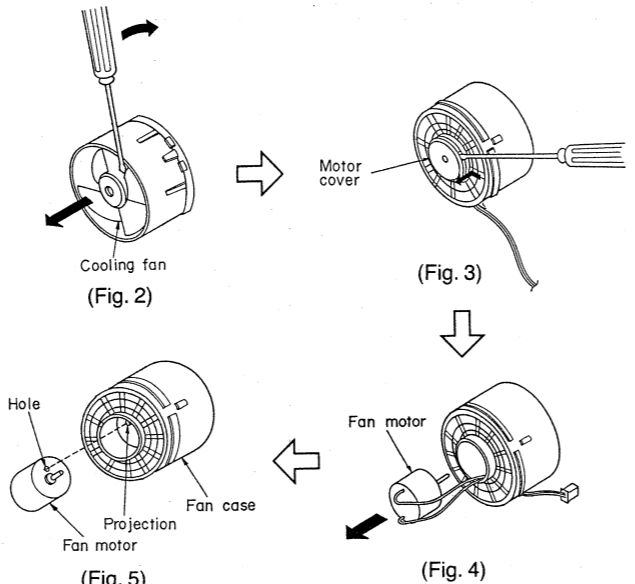
DISASSEMBLY INSTRUCTIONS

"ATTENTION SERVICER"

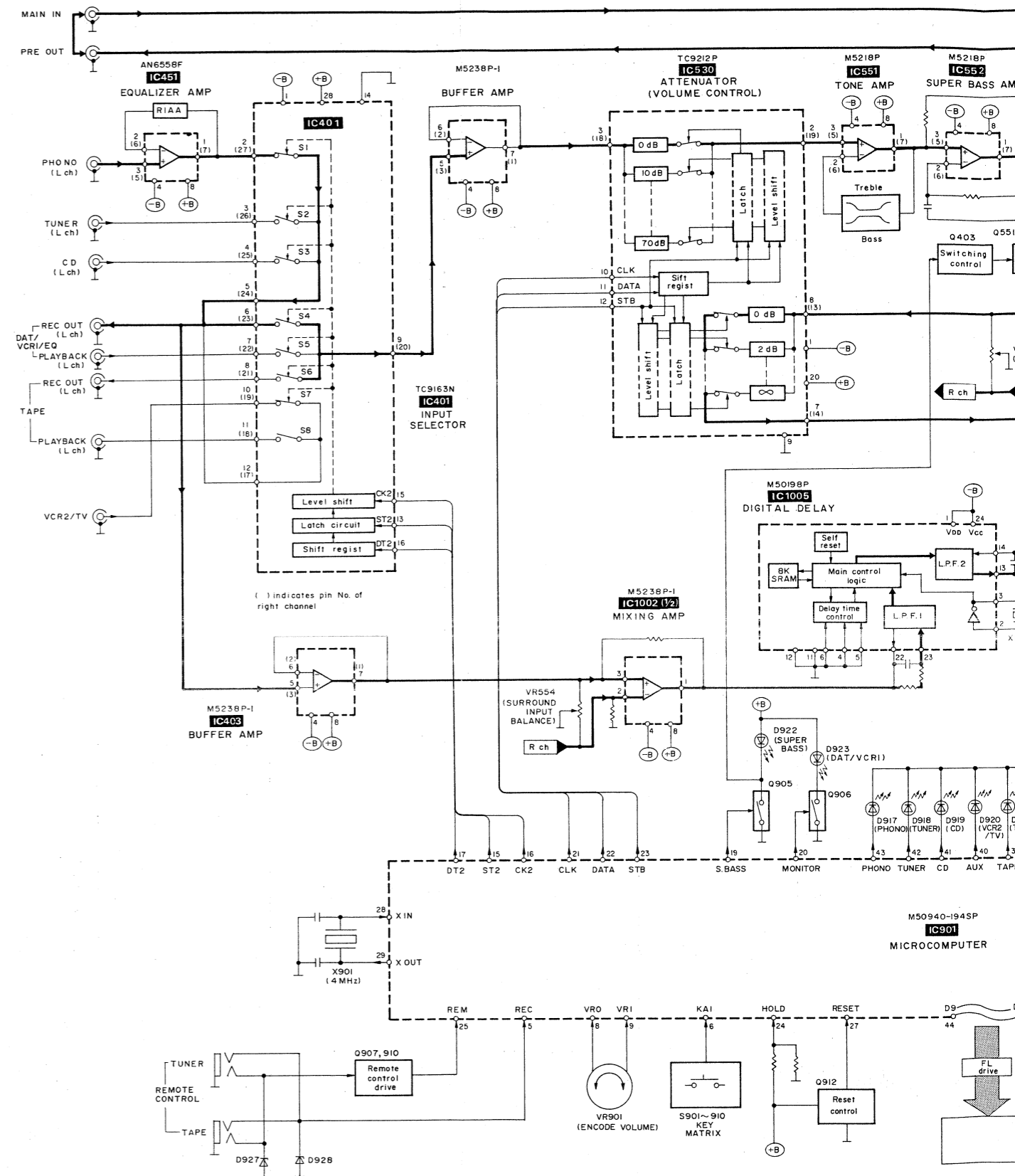
Some chassis components may have sharp edges. Be careful when disassembling and servicing.

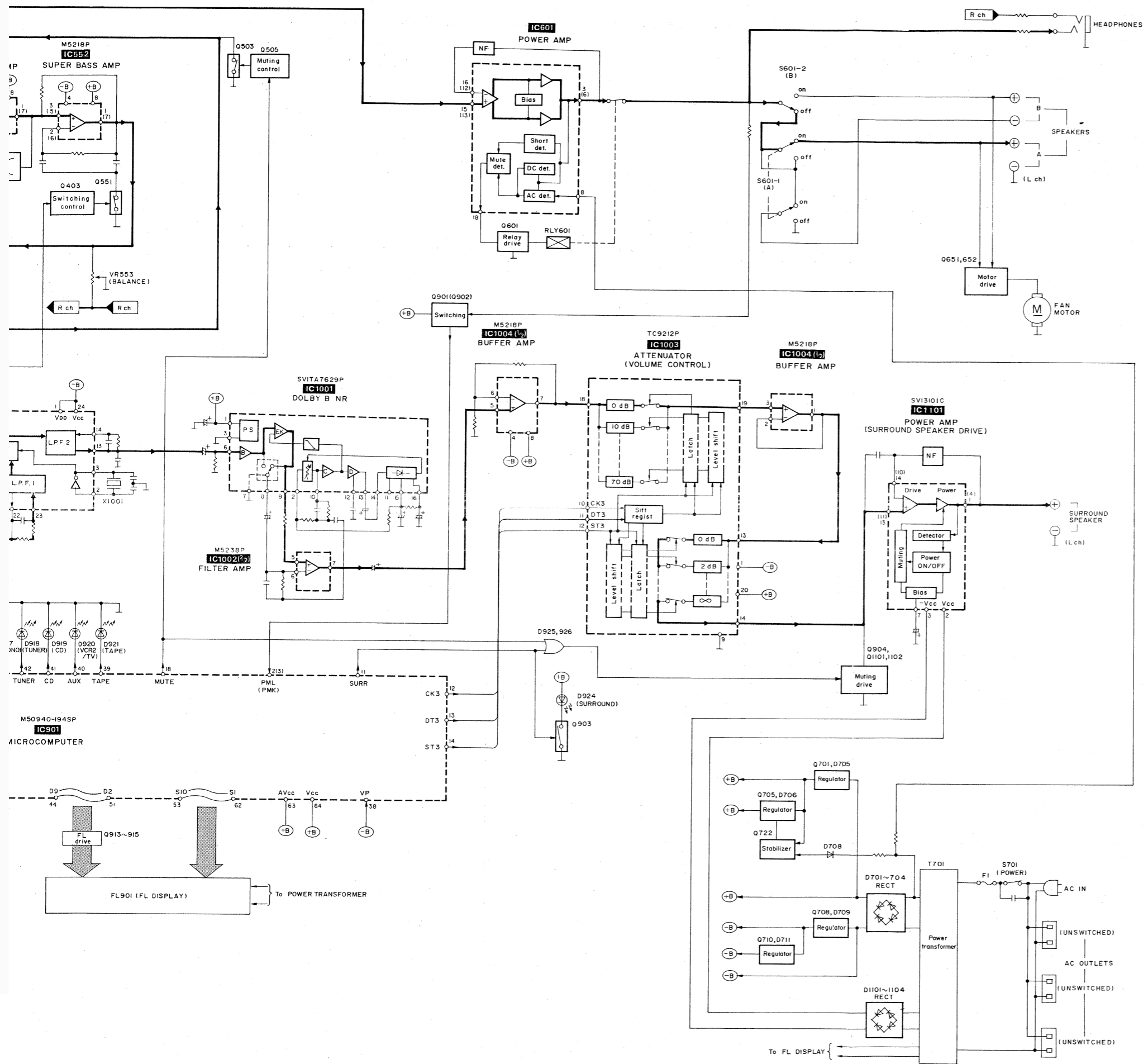
<p>Ref. No. 1</p>	<p>Removal of the Cabinet</p>	<p>Ref. No. 2</p>	<p>Removal of the Front Panel</p>
<p>Procedure 1</p>		<p>Procedure 1→2</p>	
	<p>● Remove the 6 screws (1~6).</p>		<p>1. Remove the 2 flat cables (CN601, CN602). 2. Remove the 3 screws (1~3). 3. Remove the front panel in the direction of arrow.</p>
<p>Ref. No. 3</p>	<p>Removal of the Power Switch/ Speakers/Headphones P.C.B.</p>		
<p>Procedure 1→2→3</p>			<p>How to remove the flat cable</p> 
	<p>● Remove the 2 screws (1, 2).</p>		<p>1. Lift the connector. 2. Pull out the flat cable.</p>
<p>Ref. No. 4</p>	<p>Removal of the Volume/FL P.C.B. and Operation P.C.B.</p>		
<p>Procedure 1→2→3→4</p>			
	<p>■ Volume/FL P.C.B. 1. Pull out the 1 knob (1). 2. Remove the nut. 3. Remove the 5 screws (2~6).</p>		<p>■ Operation P.C.B. 1. Pull out the 4 knobs (7~10). 2. Remove the 10 screws (11~20).</p>

<p>Ref. No. 5</p>	<p>Removal of the Surround P.C.B.</p>	<p>Ref. No. 6</p>	<p>Removal of the Power IC</p>
<p>Procedure 1→5</p>	 <ol style="list-style-type: none"> 1. Remove the flat cable (CN703). 2. Remove the 3 screws (1~3). 3. Remove the angle. 4. Remove the surround P.C.B. in the direction of arrow. 	<p>Procedure 1→5→6</p>	 <ol style="list-style-type: none"> 1. Unsolder the power IC. 2. Remove the 2 screws (1, 2). <p>●When mounting the power IC Apply silicone compound (SZZOL 15) to the rear side of power IC.</p>
<p>Ref. No. 7</p>	<p>Check of the main P.C.B.</p>		
<p>Procedure 1→7</p>	 <ol style="list-style-type: none"> 1. Remove the 8 screws (1~8). 		 <ol style="list-style-type: none"> 2. Remove the 4 screws (9~12).
<p>Procedure 1→7</p>	 <ol style="list-style-type: none"> 3. Remove the 3 screws (13~15). 4. Remove the front panel in the direction of arrow. 		 <ol style="list-style-type: none"> 5. Remove the bottom chassis in the direction of arrow. 6. Reinstall the front panel to the main P.C.B.

<p>Ref. No. 8</p> <p>Removal of the Power IC and Regulator Transistor</p>	<p>Ref. No. 9</p> <p>Removal of the Power Transformer</p>
<p>Procedure 1→5→7→8</p>  <p>1. Unsolder the power IC or regulator transistor. 2. Remove the 4 screws (1~4). ●When mounting the power IC or regulator transistor. Apply silicone compound (SZZOL15) to the rear side of power IC or regulator transistor.</p>	<p>Procedure 1→9</p>  <p>1. Remove the 2 flat cables (CN701, CN702). 2. Remove the 4 screws (1~4).</p>
<p>Ref. No. 10</p> <p>Removal of the Rear Panel</p>	<p>Ref. No. 12</p> <p>Removal of the AC Outlet/AC Inlet P.C.B.</p>
<p>Procedure 1→10</p>  <p>1. Remove the 1 connector (CN651). 2. Remove the 12 screws (1~12). 3. Remove the rear panel in the direction of arrow.</p>	<p>Procedure 1→10→12</p>  <p>●Release the 8 claws.</p>
<p>Ref. No. 11</p> <p>Removal of the Fan Motor</p>	 <p>1. Release the 3 claws. (See Fig. 1) 2. Insert a screwdriver at the root of the cooling fan. Force it out of the motor shaft. (See Fig. 2) 3. Remove the motor cover by used ⊖ screwdriver. (See Fig. 3) 4. Remove the motor from the fan casing. (See Fig. 4) 5. When mounting the motor fan, align the fan casing's projection with the hole of the fan motor. (See Fig. 5)</p>

■ BLOCK DIAGRAM





• TERMINAL GUIDE OF IC'S, TRANSISTORS AND DIODES.

M5218P 	M5238P-1 	AN6558F
SVITA7629P 	TC9212P 	M50198P
TC9163N 	M50940-194SP 	SV3101C
SVI3206C 	UN4111TA UN4211TA UN4215TA 	2SA992EFTA
2SC3940AQSTA 	2SK301RSTA 	2SA933SQRSTA 2SC1740SQSTA 2SC3327ABTP
2SB1187DEF 2SD1761DEF 	MA165TA MA167ATA 1SS291TA 	MA4056MTA MA4068MTA
MA4120MTA MA4150MTA MA4270MTA 	P300DLF GP15GLF 	LN081516PM

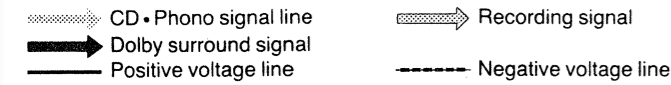
SCHEMATIC DIAGRAM

(Parts list on pages 28, 29, 33 and 34)

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

Notes:

- S601-1, 601-2 : Speaker selector switches. (S601-1: A, S601-2: B)
- S701 : Power switch in "on" position.
- S751 : Voltage select switch in "110 V" position (110 V/127 V/220 V/240 V) for (PX) area only.
- S901 : Input selector (PHONO) switch.
- S902 : Input selector (TUNER) switch.
- S903 : Input selector (CD) switch.
- S904 : Input selector (TAPE) switch.
- S905 : Input selector (VCR2/TV) switch.
- S906 : Input selector (DAT/VCR1) switch.
- S907 : Super bass switch.
- S908 : Rear level (UP) switch.
- S909 : Rear level (DOWN) switch.
- S910 : Dolby surround switch.



• 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.

CAUTION: FOR CONTINUED PROTECTION AGAINST FIRE HAZARD, REPLACE ONLY WITH SAME TYPE 2.5 A 125 V/7 A 125 V FUSES.

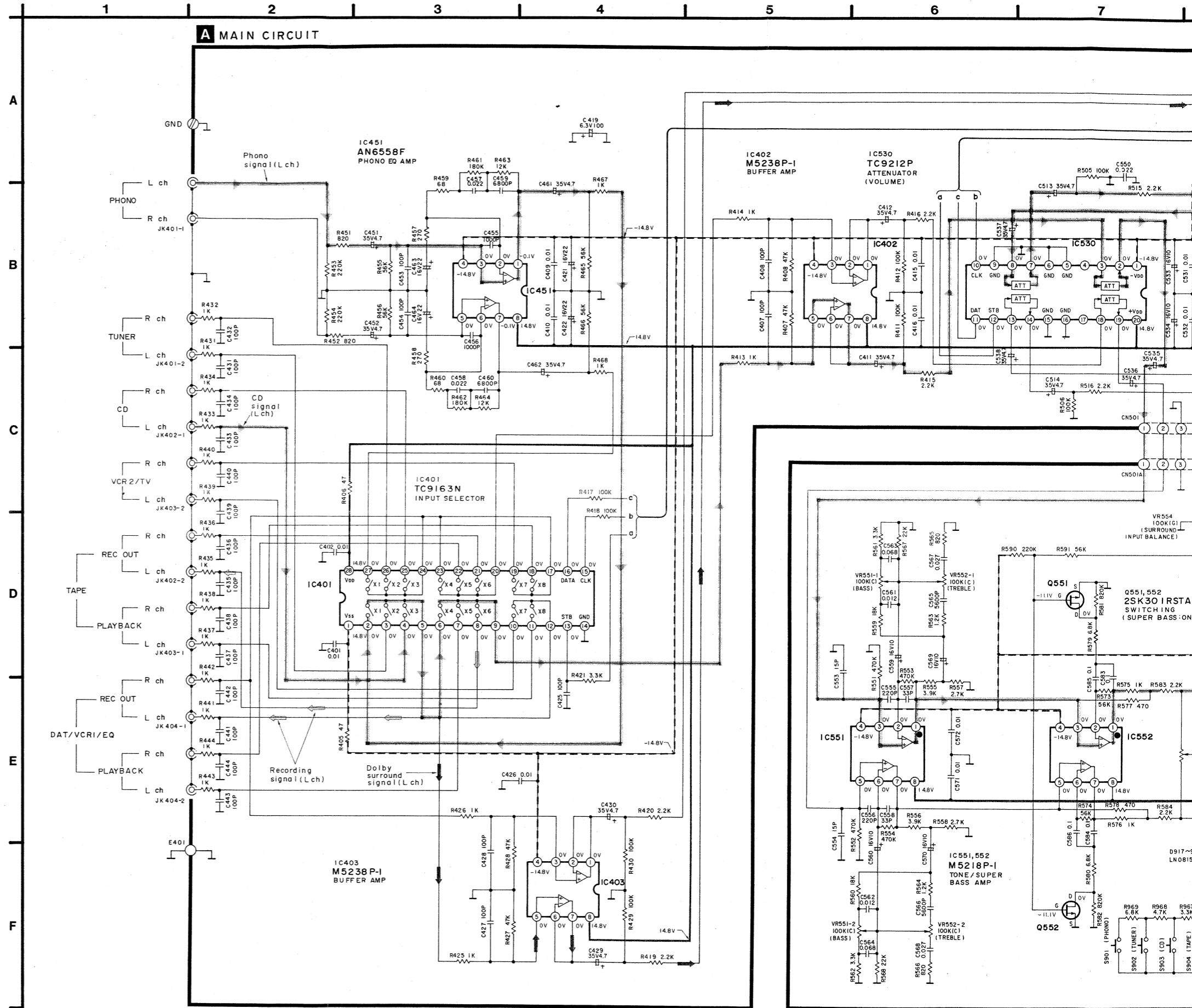


RISK OF FIRE-REPLACE FUSE AS MARKED.

FUSE CAUTION

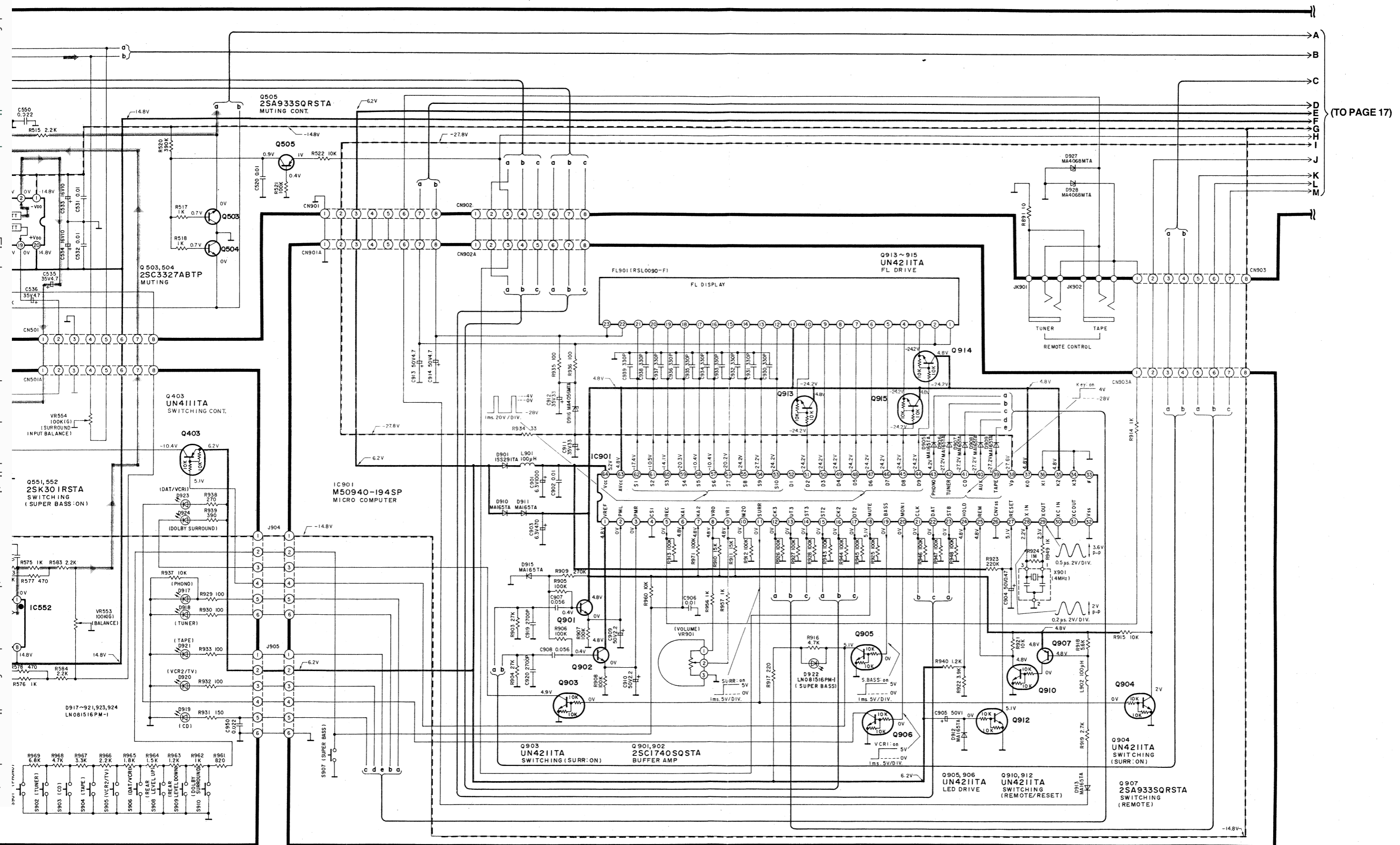
⚡ This symbol located near the fuse indicates that the fuse used is fast operating type. For continued protection against fire hazard, replace with same type fuse. For fuse rating, refer to the rating adjacent to the symbol.

⚡ Ce symbole indique que le fusible utilisé est à rapide. Pour une protection permanente, n'utiliser que des fusibles de même type. Ce dernier est indiqué là où le présent symbole est apposé



B OPERATION CIRCUIT

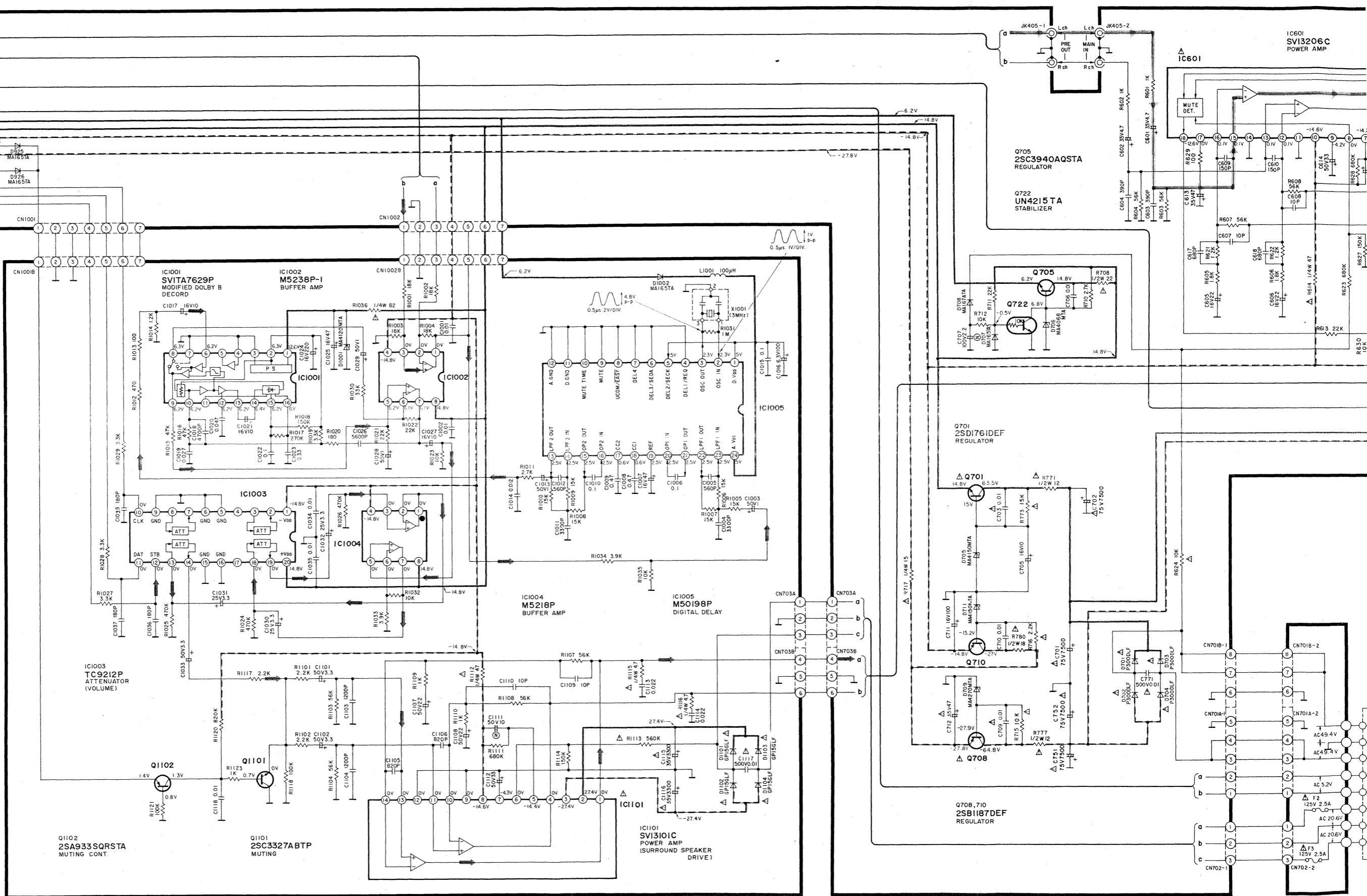
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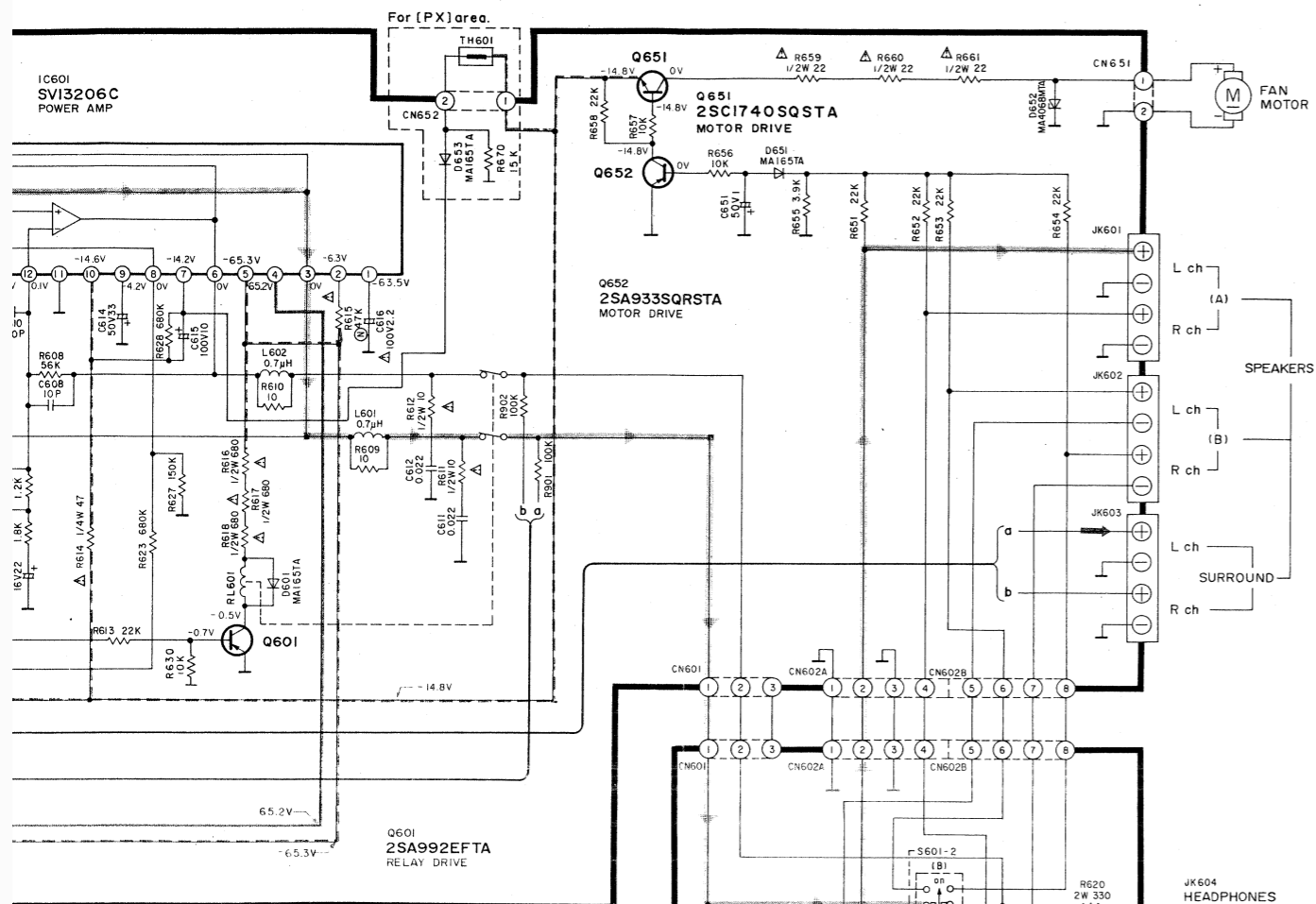
(TO PAGE 17)

VOLUME/FL DRIVE CIRCUIT

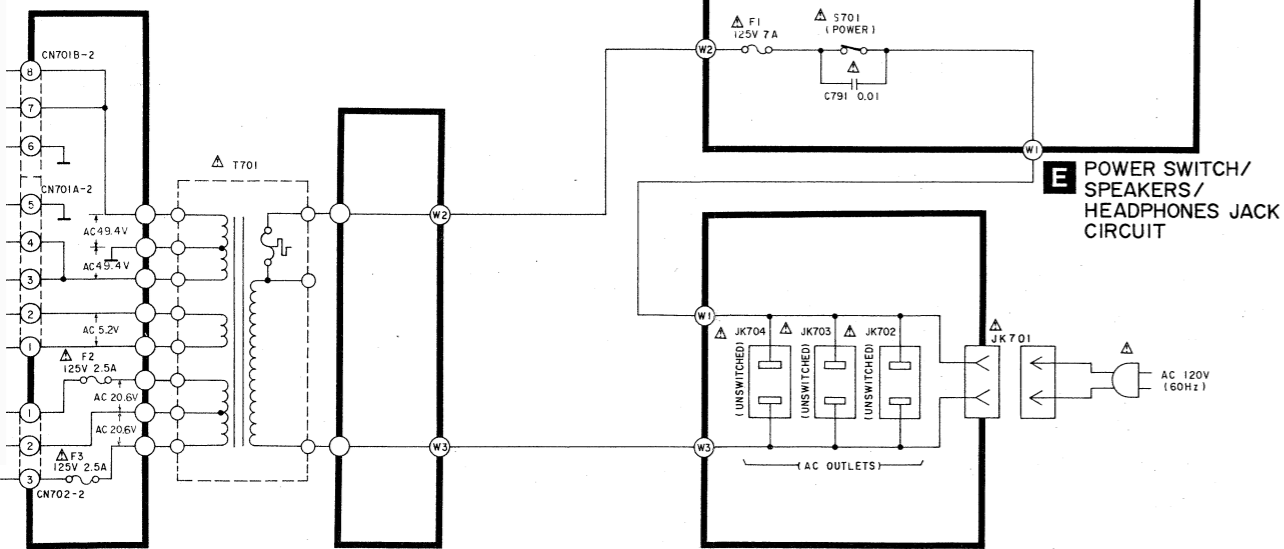
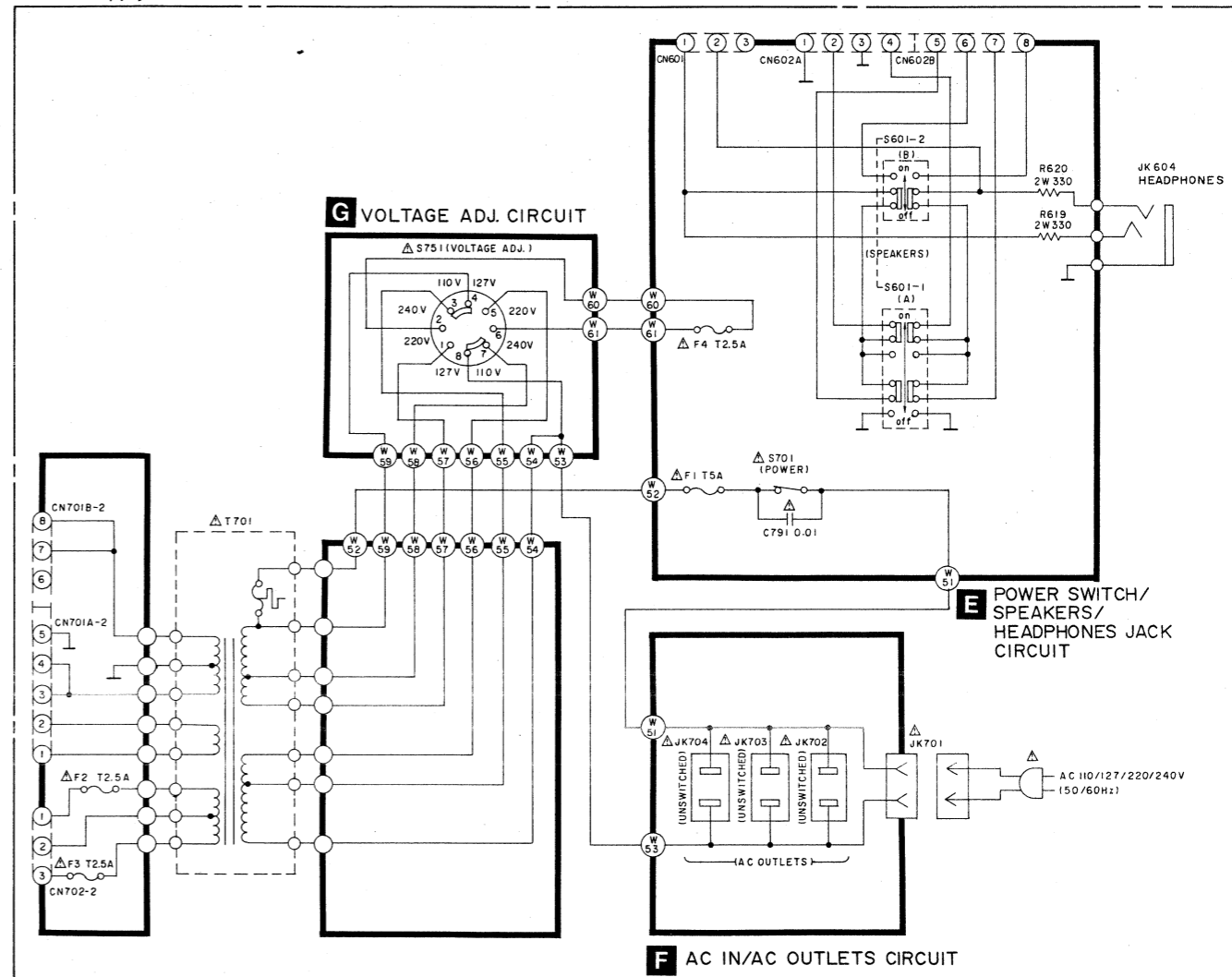
(TO PAGE 16)



D SURROUND CIRCUIT

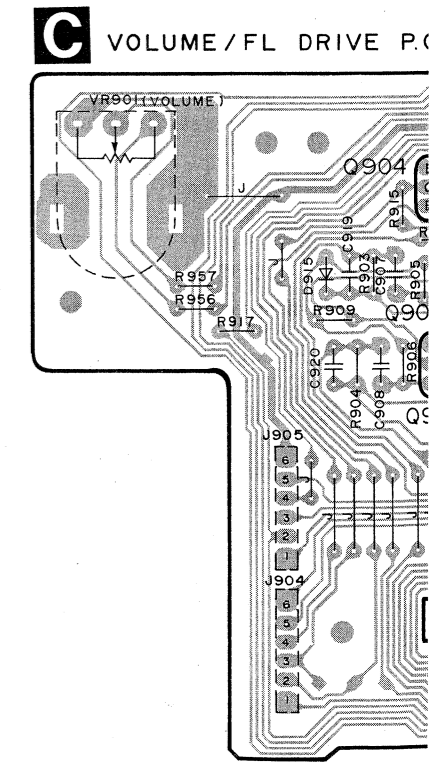
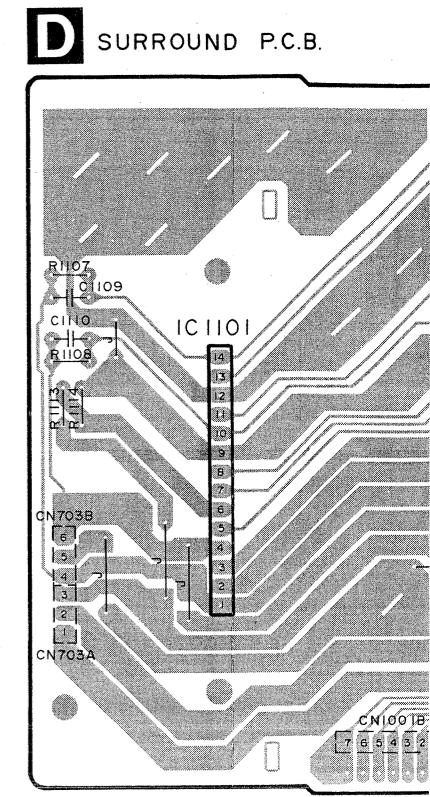
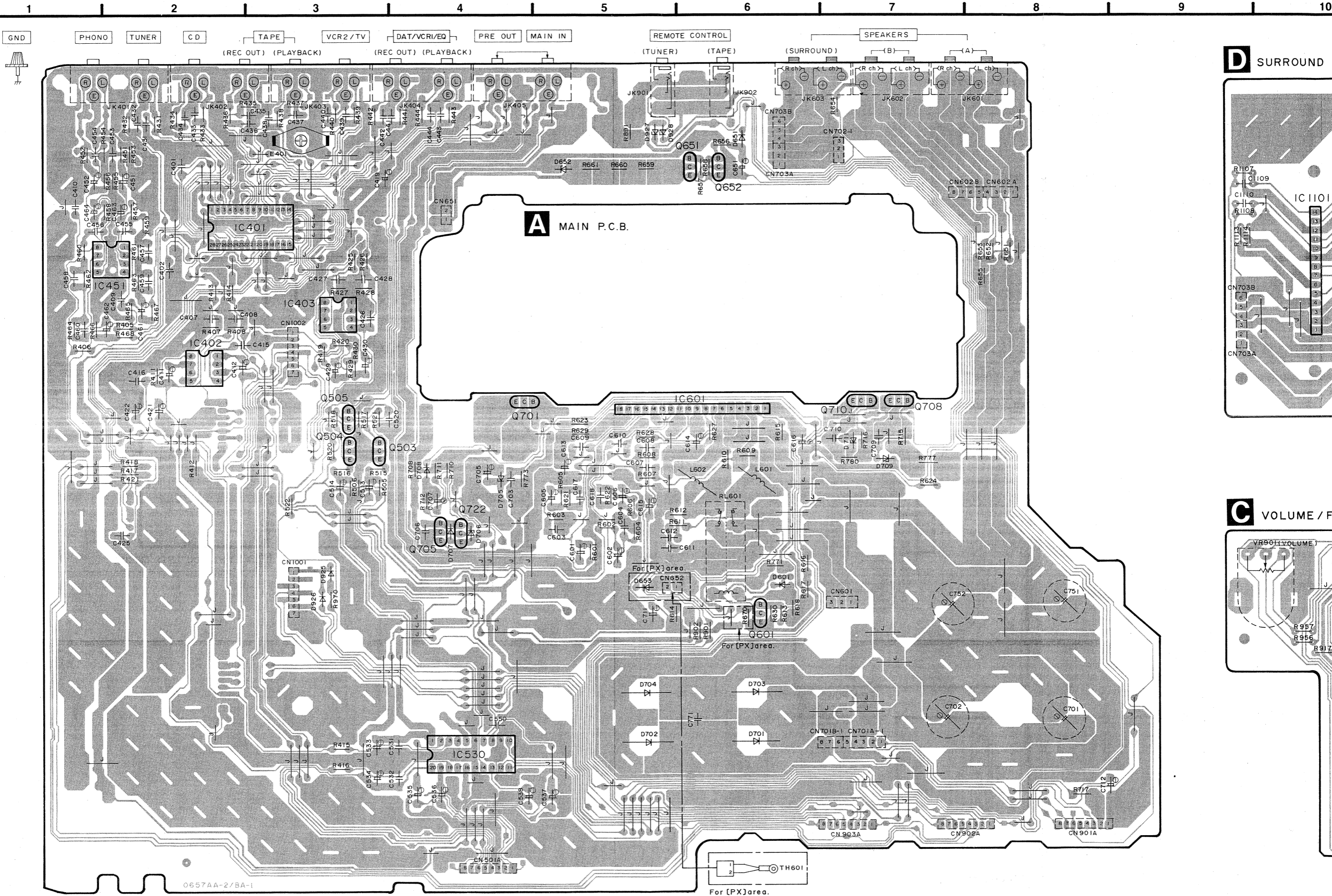


Power Supply For [P X] area.



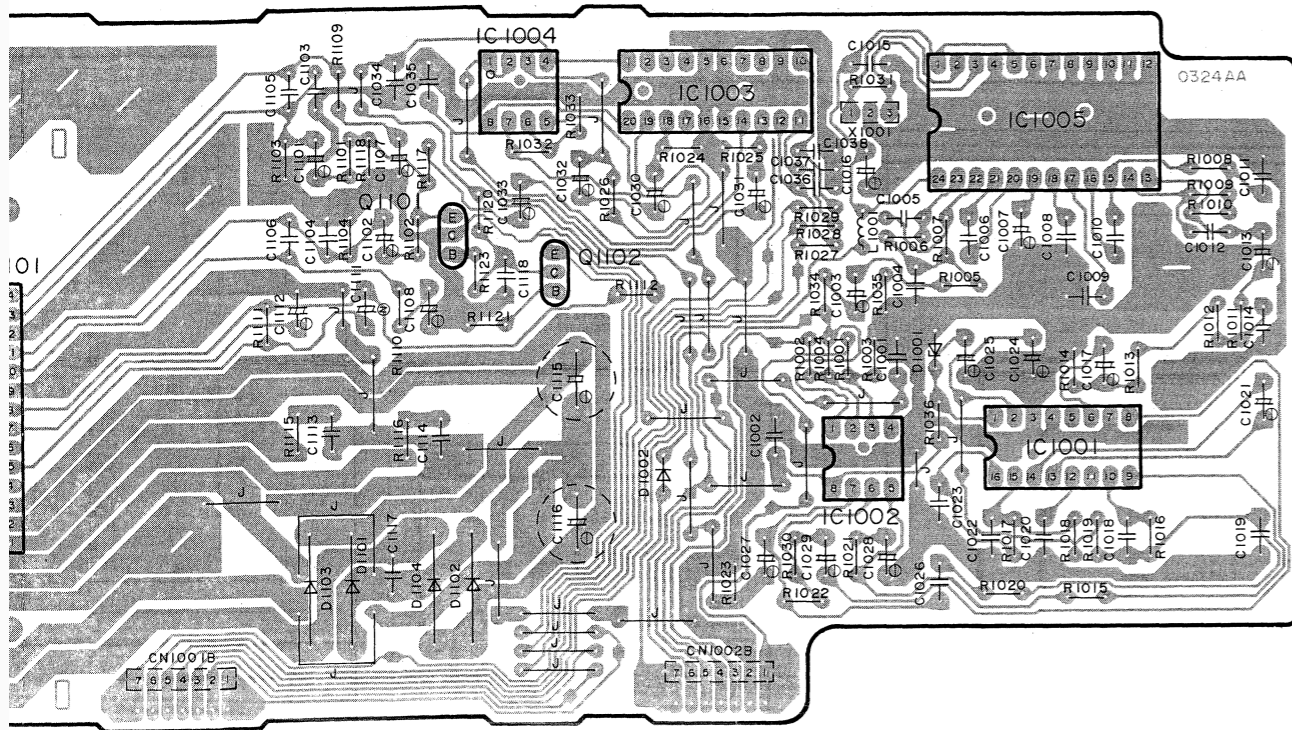
F AC IN/AC OUTLETS CIRCUIT For [P, P2, PC] areas.

PRINTED CIRCUIT BOARDS (Parts list: pages 28, 29, 33 and 34; Terminal guide: page 12)

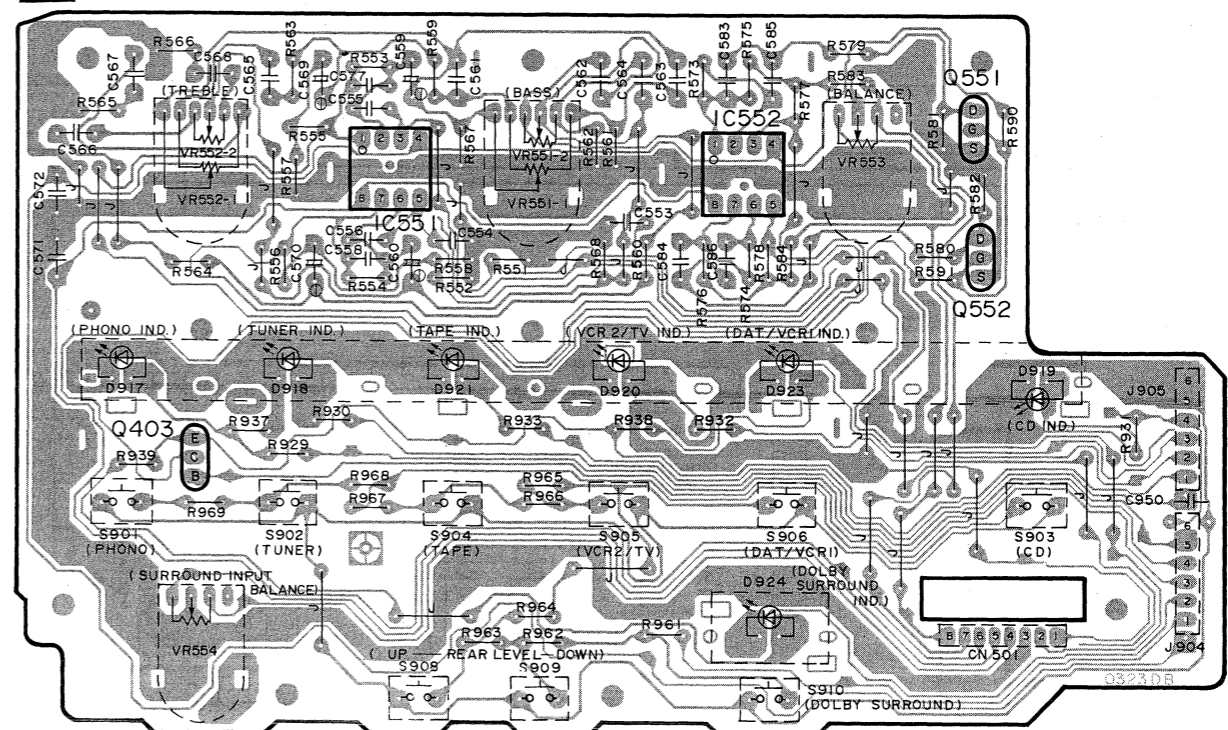


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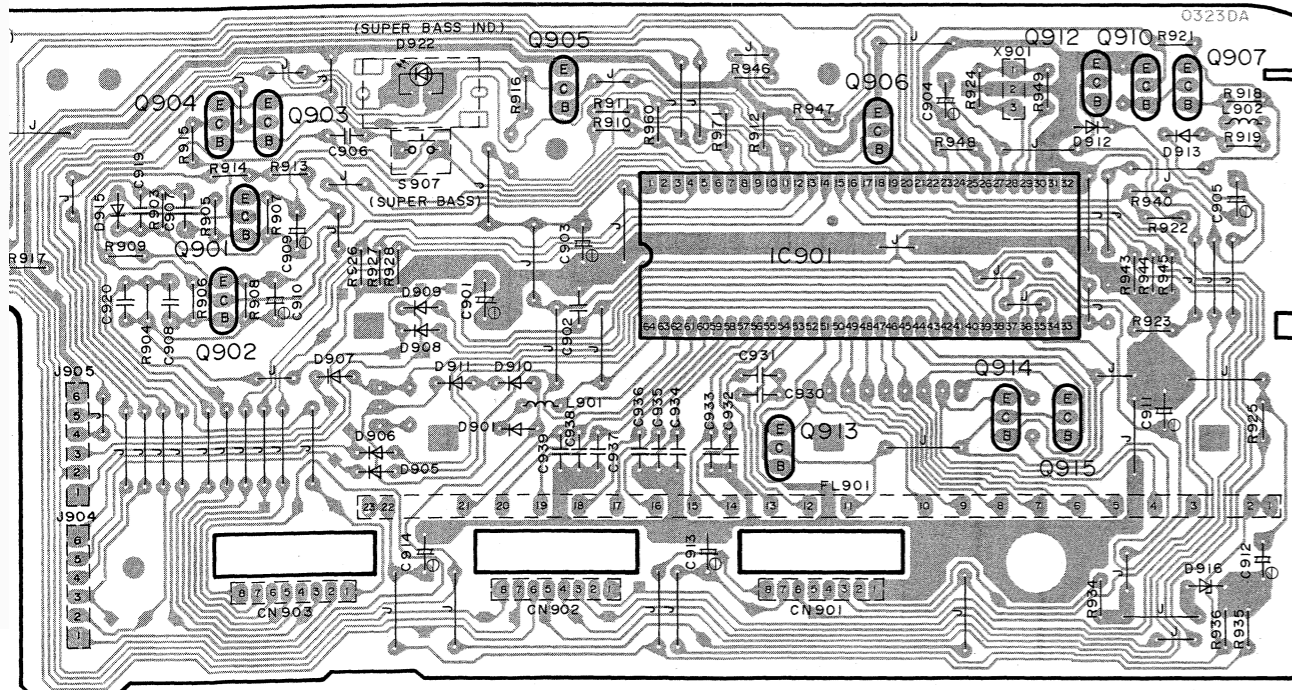
D P.C.B.



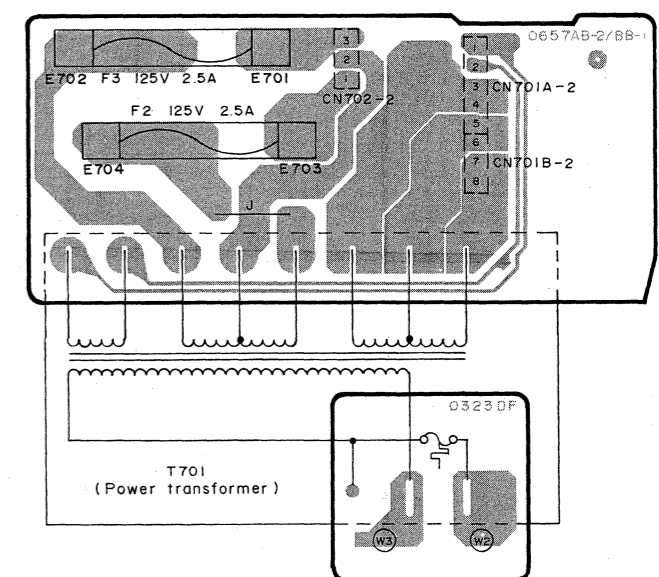
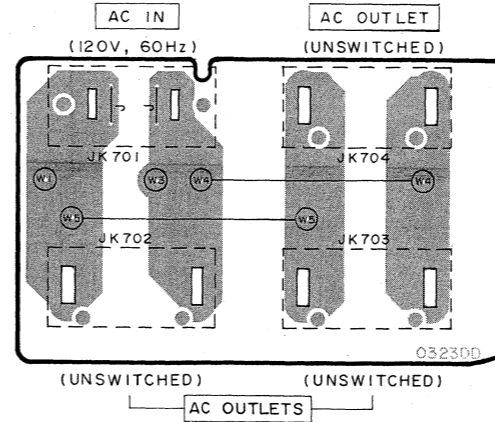
B OPERATION P.C.B.



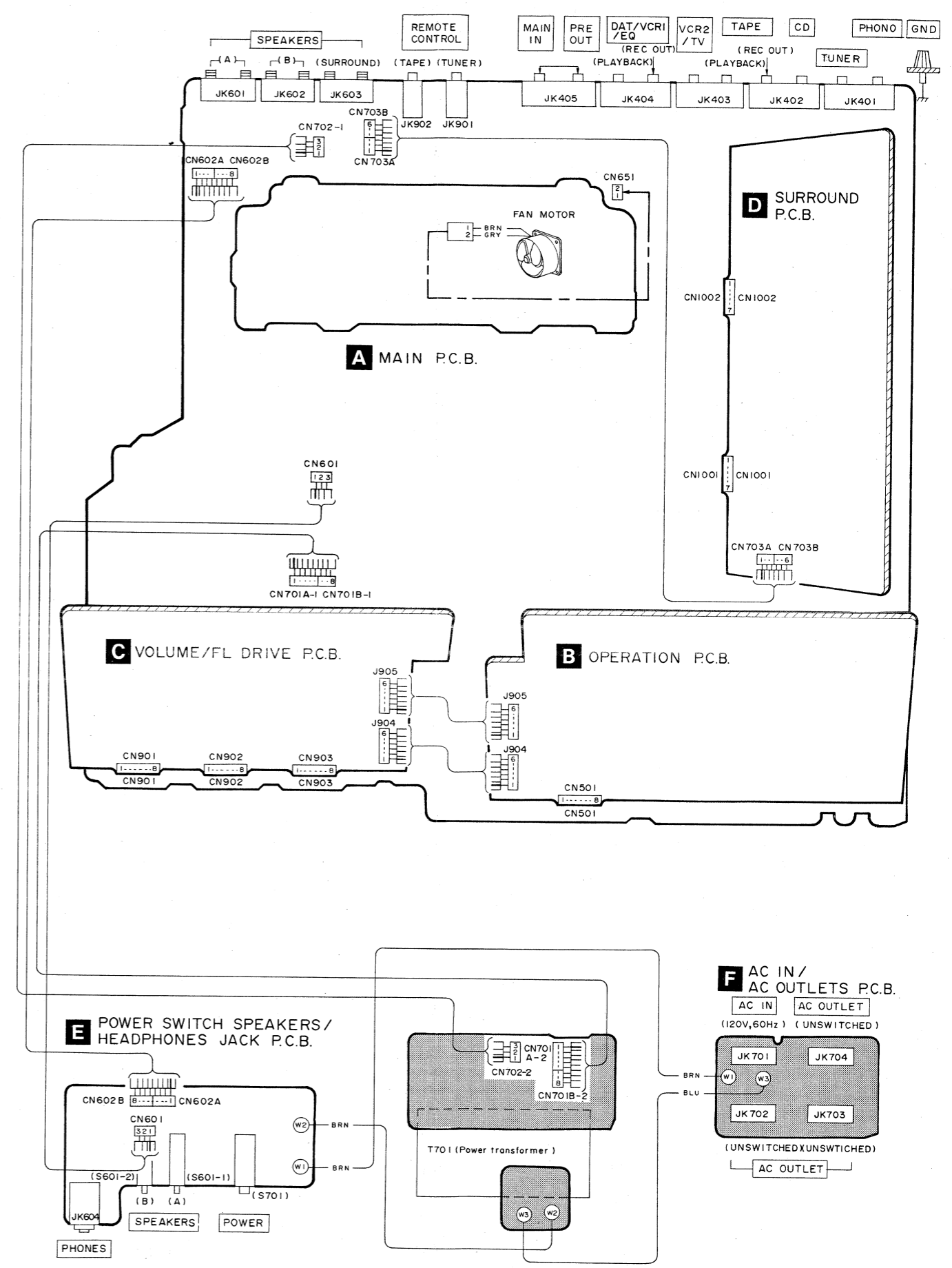
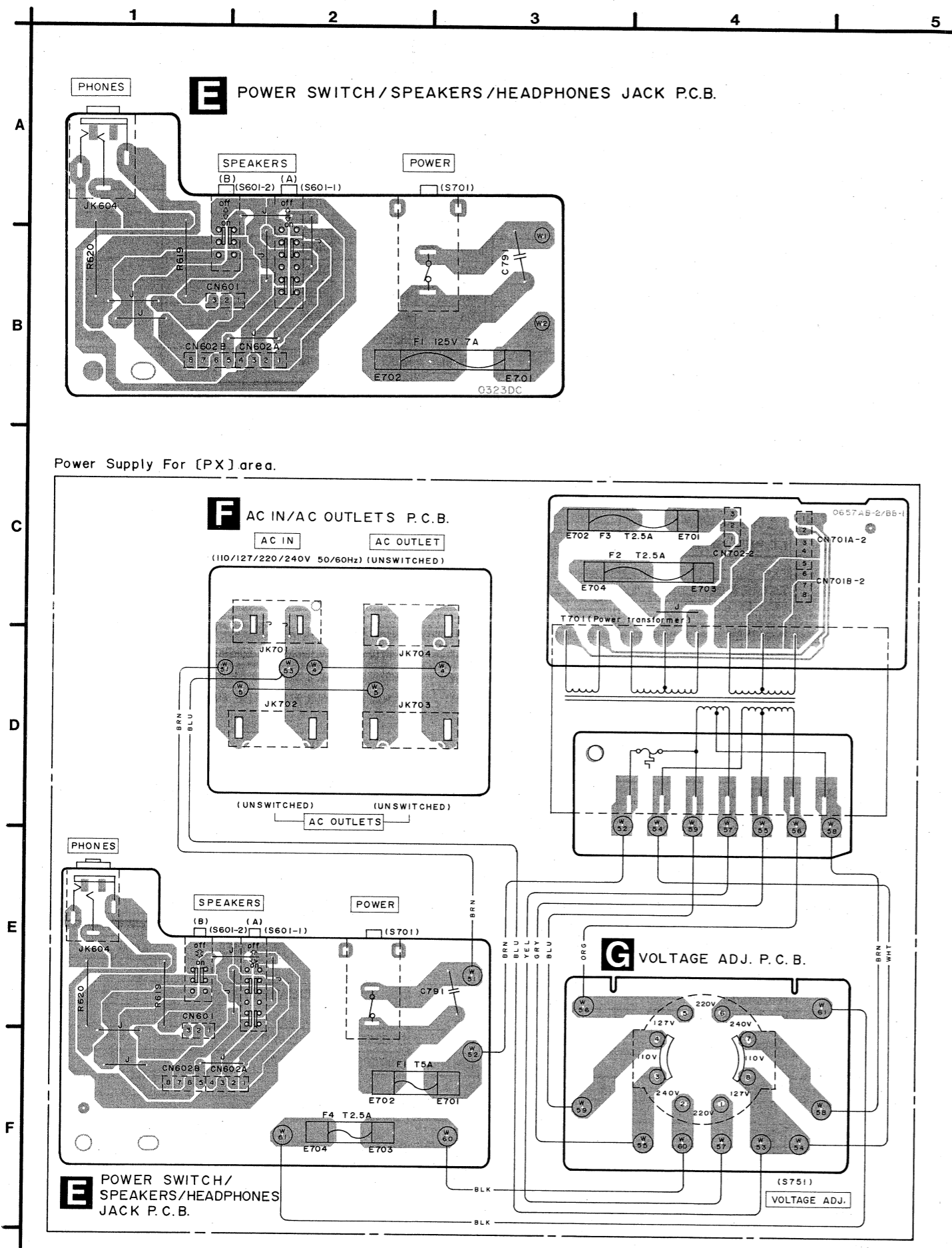
/FL DRIVE P.C.B.



F AC IN/AC OUTLETS P.C.B. For [P,P2,PC] areas.



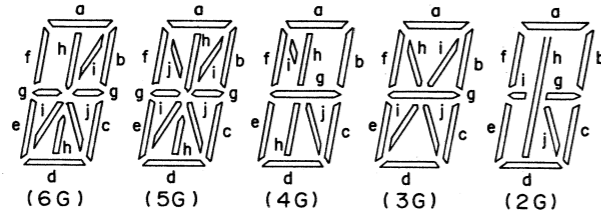
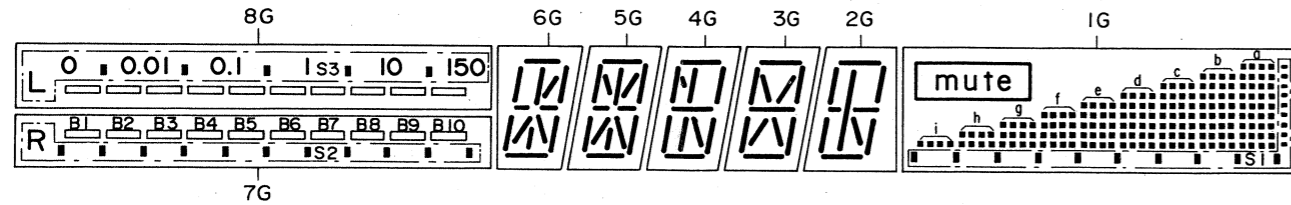
WIRING CONNECTION DIAGRAM



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DESCRIPTION OF FL PANEL [FL901 (RSL0090-F)]

GRID ASSIGNMENT



PIN CONNECTION

PIN NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
CONNECTION	F 1	F 1	N P	N P	8 G	N P	7 G	N P	6 G	N P	5 G	N P	4 G	N P	3 G	N P	2 G	N P	I G	N P	N P	N P	P 11	N P
PIN NO.	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
CONNECTION	P 10	N P	P 9	N P	P 8	N P	P 7	N P	P 6	N P	P 5	N P	P 4	N P	P 3	N P	P 2	N P	P 1	N P	N P	N P	F 2	F 2

Notes: F1, F2 Filament
 NP No pin
 1G~8G Grid

ANODE CONNECTION

	8G	7G	6G	5G	4G	3G	2G	1G
P1	B1	B1	a	a	a	a	a	
P2	B2	B2	b	b	b	b	b	
P3	B3	B3	c	c	c	c	c	
P4	B4	B4	d	d	d	d	d	
P5	B5	B5	e	e	e	e	e	
P6	B6	B6	f	f	f	f	f	
P7	B7	B7	g	g	g	g	g	
P8	B8	B8	h	h	h	h	h	
P9	B9	B9	i	i	i	i	i	
P10	B10	B10	j	j	j	j	j	
P11	S3	S2	—	—	—	—	—	mute

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.
 * 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)		D705	MA4150M	DIODE	
				D706	MA4068M	DIODE	
				D707	MA165	DIODE	
				D708	MA167	DIODE	
IC401	TC9163N	I. C. INPUT SELECTOR		D709	MA4270	DIODE	
IC402, 403	M5238P-1	I. C. BUFFER AMP.		D711	MA4150M	DIODE	
IC451	AN6558F	I. C. PHONO EQ AMP.		D901	1SS291TA	DIODE	
IC530	TC9212P	I. C. ATTENUATOR (VOLUME)		D905-913	MA165	DIODE	
IC551, 552	M5218P	I. C. TONE/SUPER BASS AMP.		D915	MA165	DIODE	
IC601	SV13206C	I. C. POWER AMP.	Δ	D916	MA4056MTA	DIODE	
IC901	M50940-194SP	I. C. MICRO COMPUTER		D917-924	LN081516PM-1	L. E. D.	
IC1001	SV1A7629P	I. C. MODIFIED DOLBY/DECOD		D925, 926	MA165	DIODE	
IC1002	M5238P-1	I. C. BUFFER AMP.		D927, 928	MA4068M	DIODE	
IC1003	TC9212P	I. C. ATTENUATOR (VOLUME)		D1001	MA4120	DIODE	
IC1004	M5218P	I. C. BUFFER AMP.		D1002	MA165	DIODE	
IC1005	M50198P	I. C. DIGITAL DELAY		D1101-1104	GP15GLF	DIODE	Δ
IC1101	SV13101C	I. C. POWER AMP. (SURROUND)	Δ			VARIABLE RESISTOR(S)	
		TRANSISTOR(S)					
Q403	UN4111	TRANSISTOR		VR551, 552	EVJYA1F02C15	V. R. BASS/TREBLE CONTROL	
Q503, 504	2SC3327-A	TRANSISTOR		VR553	EVJ02QF02G15	V. R. BALANCE CONTROL	
Q505	2SA933SQR	TRANSISTOR		VR554	EVJ02SF01G15	V. R. SURROUND BALANCE CONT.	
Q551, 552	2SK301RSTA	TRANSISTOR		VR901	EVQWAF2524B	V. R. MAIN VOLUME CONTROL	
Q601	2SA992EFTA	TRANSISTOR				COIL(S)	
Q651	2SC1740SQ	TRANSISTOR		L601, 602	SLQY07G-40	COIL	
Q652	2SA933SQR	TRANSISTOR		L901, 902	RLQZP101KT-Y	COIL	
Q701	2SD1761DEF	TRANSISTOR		L1001	RLQZP101KT-Y	COIL	
Q705	2SC3940AQSTA	TRANSISTOR				TRANSFORMER(S)	
Q708	2SB1187DEF	TRANSISTOR		T701	RTP1Q5C003	POWER TRANSFORMER	Δ (P, P2, PC)
Q710	2SB1187DEF	TRANSISTOR		T701	RTP1Q5E003	POWER TRANSFORMER	Δ (PX)
Q722	UN4215	TRANSISTOR				OSCILLATOR(S)	
Q901, 902	2SC1740SQ	TRANSISTOR		X901	EF0GC4004A4	OSCILLATOR	
Q903-906	UN4211	TRANSISTOR		X1001	EF0GC3004T4	OSCILLATOR	
Q907	2SA933SQR	TRANSISTOR				DISPLAY	
Q910	UN4211	TRANSISTOR					
Q912-915	UN4211	TRANSISTOR					
Q1101	2SC3327-A	TRANSISTOR					
Q1102	2SA933SQR	TRANSISTOR					
		DIODE(S)					
D601	MA165	DIODE					
D651	MA165	DIODE		FL901	RSL0090-F	DISPLAY	
D652	MA4068M	DIODE				FUSE(S)	
D653	MA165TA	TRANSISTOR	(PX)				
D701-704	P300DLF	DIODE	Δ				

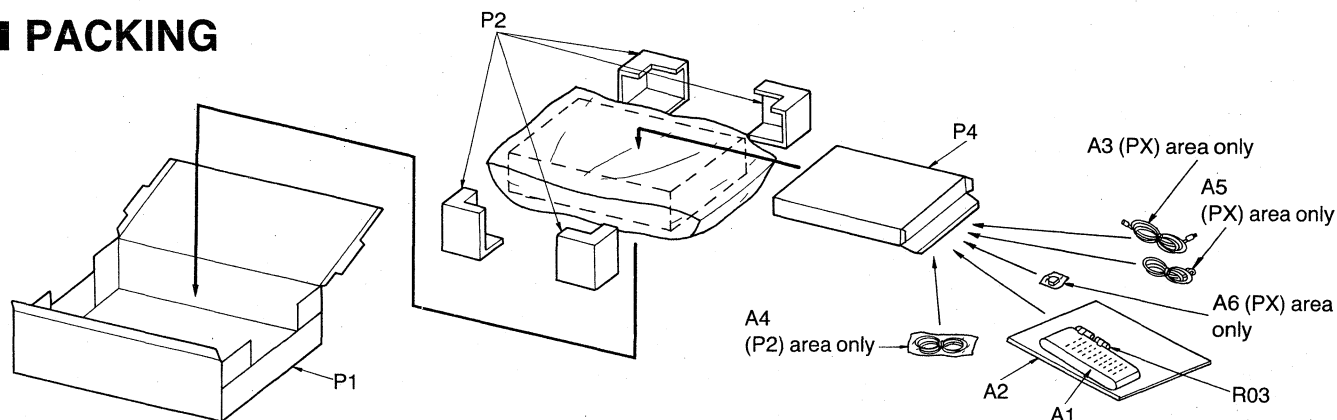
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Ref. No.	Part No.	Part Name & Description	Remarks	Ref. No.	Part No.	Part Name & Description	Remarks
F1	XBA1F70NU14	FUSE, 125V 7A	△ (P, P2, PC)	CN903	RJU003K008M1	SOCKET (8P)	
F1	XBA2C50TB0	FUSE, 250V 5A	(PX)	CN903A	RJT003K008M1	CONNECTOR (8P)	
F2, 3	XBA1F25NU14	FUSE, 125V 2.5A	△ (P, P2, PC)	CN1001	RJT057W007-1	CONNECTOR (7P)	
F2-4	XBA2C25TB0	FUSE, 250V 2.5A	(PX)	CN1001B	RJU057W007	SOCKET (7P)	
		SWITCH(ES)		CN1002	RJT057W007-1	CONNECTOR (7P)	
S601-1	SSH2128	SW, SPEAKER SELECTOR (A)		CN1002B	RJU057W007	SOCKET (7P)	
S601-2	SSH2128	SW, SPEAKER SELECTOR (B)		CN702-1	RJS1A1703	SOCKET (3P)	
S701	ESB8279V	SW, POWER	△	CN702-2	RJS1A1703	SOCKET (3P)	
S751	ESE37263	SW, VOLTAGE SELECTOR	△ (PX)	CN602A	RJS1A1704	SOCKET (4P)	
S901	EVQ21405R	SW, INPUT SEL. (PHONO)		CN703A	RJS1A1703	SOCKET (3P)	
S902	EVQ21405R	SW, INPUT SEL. (TUNER)		CN701A-1	RJS1A1705	SOCKET (5P)	
S903	EVQ21405R	SW, INPUT SEL. (CD)		CN701A-2	RJS1A1705	SOCKET (5P)	
S904	EVQ21405R	SW, INPUT SEL. (TAPE)		CN602B	RJS1A1704	SOCKET (4P)	
S905	EVQ21405R	SW, INPUT SEL. (VCR2/TV)		CN703B	RJS1A1703	SOCKET (3P)	
S906	EVQ21405R	SW, INPUT SEL. (DAT/VCR1)		CN701B-1	RJS1A1703	SOCKET (3P)	
S907	EVQ21405R	SW, SUPER BASS		CN701B-2	RJS1A1703	SOCKET (3P)	
S908	EVQ21405R	SW, REAR LEVEL (UP)				FUSE HOLDER(S)	
S909	EVQ21405R	SW, REAR LEVEL (DOWN)		E701	RJR0011	FUSE HOLDER	(P, P2, PC)
S910	EVQ21405R	SW, DOLBY SURROUND		E701	EYF52BC	FUSE HOLDER	(PX)
		JACK(S)		E702	RJR0011	FUSE HOLDER	(P, P2, PC)
				E702	EYF52BC	FUSE HOLDER	(PX)
JK401	SJF3069N	TERMINAL BOARD (PHONO/TUNER)		E703	RJR0011	FUSE HOLDER	(P, P2, PC)
JK402	SJF3069N	TERMINAL BOARD (CD/TAPE)		E703	EYF52BC	FUSE HOLDER	(PX)
JK403	SJF3069N	TERMINAL BOARD (VCR2/TV)		E704	RJR0011	FUSE HOLDER	(P, P2, PC)
JK404	SJF3069N	TERMINAL BOARD (VCR1/DAT/EQ)		E704	EYF52BC	FUSE HOLDER	(PX)
JK405	SJF3069N	TERMINAL BOARD (MAIN IN)				RELAY	
JK601	RJR0054M	TERMINAL BOARD (SPEAKER A)		RL601	SSY134	RELAY	
JK602	RJR0054M	TERMINAL BOARD (SPEAKER B)				THERMAL DETECTOR (S)	
JK603	RJR0054M	TERMINAL BOARD (S. P. REAR)					
JK604	QJA0455ZC	HEADPHONES JACK		TH601	SRPBD47101	THERMAL DETECTOR	(PX)
JK701	SJS9234B	AC INLET	△ (P, P2, PC)				
JK701	SJS9231-1B	AC INLET	△ (PX)				
JK702	SJS9233B	AC OUTLET	△				
JK703	SJS9233B	AC OUTLET	△				
JK704	SJS9233B	AC OUTLET	△				
JK901	RJJ33TR01	M3 JACK (REMOTE CONTROL)					
JK902	RJJ33TR01	M3 JACK (REMOTE CONTROL)					
		CONNECTOR (S)					
CN501	RJU003K008M1	SOCKET (8P)					
CN501A	RJT003K008M1	CONNECTOR (8P)					
CN601	RJS1A1703	CONNECTOR (3P)					
CN651	SJT3213	CONNECTOR (2P)					
CN652	SJT3213	CONNECTOR (2P)	(PX)				
CN901	RJU003K008M1	SOCKET (8P)					
CN901A	RJT003K008M1	CONNECTOR (8P)					
CN902	RJU003K008M1	SOCKET (8P)					
CN902A	RJT003K008M1	CONNECTOR (8P)					

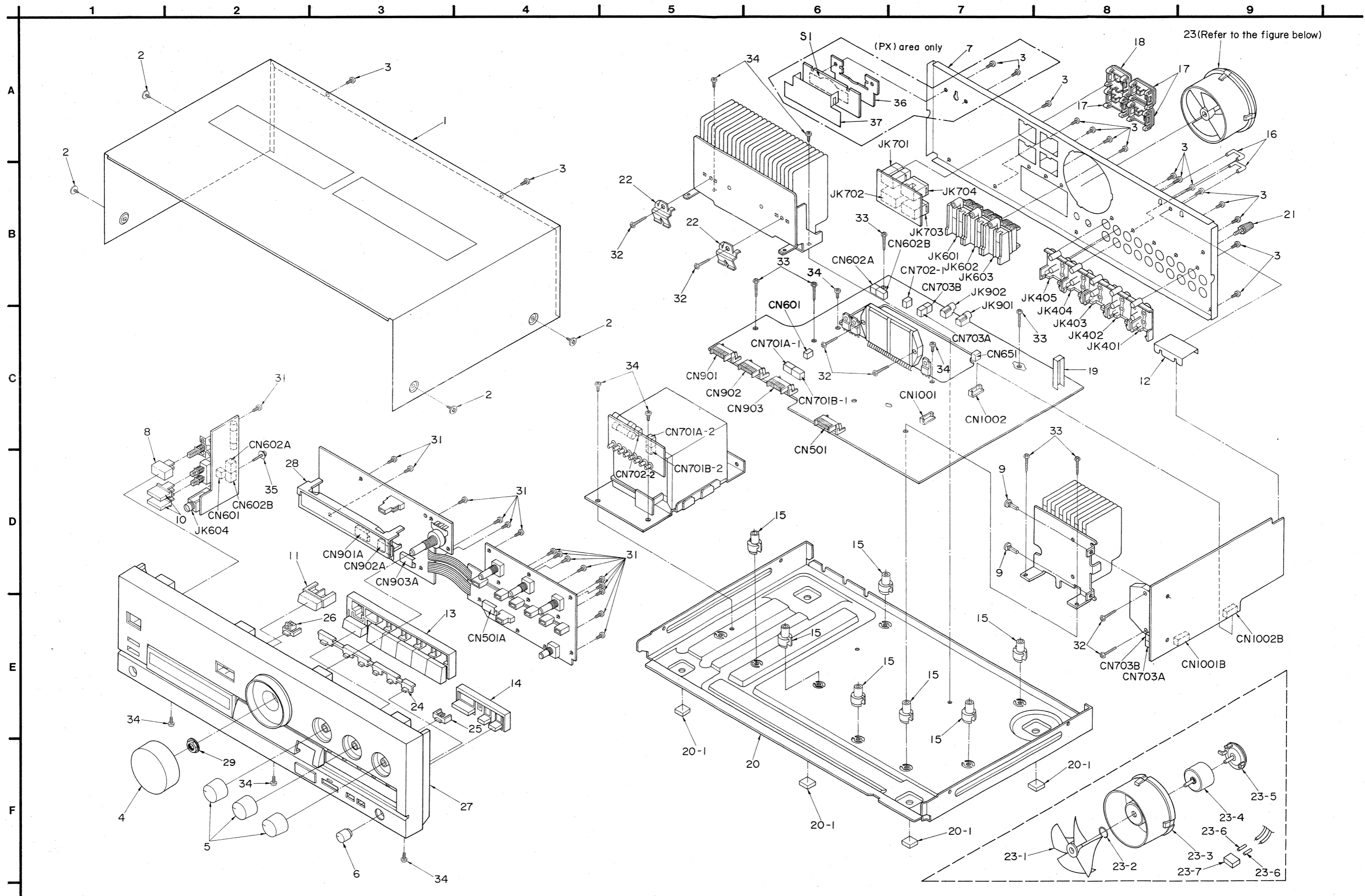
Ref. No.	Part No.	Part Name & Description	Remarks
		CABINET PARTS	
1	RKM0016A-K	CABINET	
2	SNE2129-1	SCREW	
3	XTBS3+8JFZ1	SCREW	
4	RGW0071	KNOB, VOLUME	
5	RGW0072	KNOB, TONE	
6	RGW0073	KNOB, DOLBY SURROUND	
7	RGRO080B-B1	REAR PANEL	(P, P2, PC)
7	RGRO080G-A1	REAR PANEL	(PX)
8	RGU0030	BUTTON, POWER	
9	SHR411	LATCH	
10	RGU0101	BUTTON, SPEAKER SELECT	
11	RGU0350	BUTTON, SUPER BASS	
12	RMA0295	ANGLE	
13	RGU0349-K2	BUTTON, SELECT	
14	RGU0351	BUTTON, DOLBY SURROUND	
15	SHE187-2	HOLDER	
16	SJP9205-2T	SHORTING PIN	
17	SJS9233A	AC OUTLET COVER	
18	SJS9234A	AC INLET COVER	(P, P2, PC)
18	SJS9231A	AC INLET COVER	(PX)
19	RSC0105	PLATE	
20	RFKJUG90P-K	BOTTOM BOARD ASS'Y	
20-1	SKL293	FOOT	
21	SNE2123	GND SCREW	
22	SUS894-1	SPRING	
23	SYE1128-4	FAN ASS'Y	
23-1	SHE232	FAN	
23-2	SUS271	SPRING	
23-3	SHE233	FAN CASE	
23-4	MDN-4RB4MRC	MOTOR	
23-5	SHE234	CAP	
23-6	SJT783	TERMINAL	
23-7	SJS5215	SOCKET (2P)	
24	RFKNUG70P-K1	ORNAMENT ASS'Y (INPUT SEL.)	
25	RFKNUG70P-K2	ORNAMENT ASS'Y (SURROUND)	
26	RFKNUG70P-K3	ORNAMENT ASS'Y (SUPER BASS)	
27	RFKUG90P-K	FRONT PANEL ASS'Y	
28	SHR9861	FL HOLDER	

Ref. No.	Part No.	Part Name & Description	Remarks
29	SNE4021-1	NUT	
31	XTBS26+8J	SCREW	
32	XTB3+16JFZ	SCREW	
33	XTB3+20JFZ	SCREW	
34	XTB3+8JFZ	SCREW	
35	XTWS3+8T	SCREW	
36	RMA0317	ANGLE	(PX)
37	RMZ0111	SHEET	(PX)
		PACKING MATERIALS	
P1	RPG0875	PACKING CASE	(P, P2, PC)
P1	RPG0876	PACKING CASE	(PX)
P2	RPN0324	PAD	
P3	XZB24X33C04	PROTECTION COVER (MANUAL)	(P, P2)
P3	SPB1061	PROTECTION COVER (MANUAL)	(PC, PX)
P4	SPSD155	ACCESSORIES BOX	
		ACCESSORIES	
A1	RAK-SA501P1	REMOTE CONTROLLER	(P, P2, PC)
A1	RAK-SA502E	REMOTE CONTROLLER	(PX)
A1-1	RKK0020-K	BATTERY COVER	(P, P2, PC, PX)
A2	RQF1061	INSTRUCTIONS MANUAL ASS'Y	(P)
A2	RQF1064	INSTRUCTIONS MANUAL ASS'Y	(P2)
A2	RQF1063	INSTRUCTIONS MANUAL ASS'Y	(PC)
A2	RQF1065	INSTRUCTIONS MANUAL ASS'Y	(PX)
A2-1	RQT0970-P	INSTRUCTIONS MANUAL	(P)
A2-1	RQT0973-P	INSTRUCTIONS MANUAL	(P2)
A2-1	RFKSCS3200PC	INSTRUCTIONS MANUAL	(PC)
A2-1	RQT0974-M	INSTRUCTIONS MANUAL	(PX)
A2-2	SQX7179	WARRANTY CARD	(P, P2)
A2-2	SQX7183	WARRANTY CARD	(PC)
A2-2	SQX7071-1	WARRANTY CARD	(PX)
A2-3	SQX9129-1	SERVICE CENTER LIST	(P, P2)
A2-3	SQX9131	SERVICE CENTER LIST	(PC)
A3	RJA0004	AC POWER SUPPLY CORD	△ (PX)
A4	REE0331	S. P. CORD	(P2)
A5	SJP2257T	L-TYPE CABLE	(PX)
A6	SJP9215	AC PLUG ADAPTOR	(PX)

■ PACKING



CABINET PARTS LOCATION



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tes : * Capacity value 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)

No.	Part No.	Values & Remarks	Ref. No.	Part No.	Values & Remarks	Ref. No.	Part No.	Values & Remarks
		RESISTORS						
			R607, 608	ERDS2TJ563	1/4W 56K	R925-928	ERDS2TJ104	1/4W 100K
			R609, 610	ERDS2TJ100	1/4W 10	R929, 930	ERDS2TJ101	1/4W 100
			R611, 612	ERDS1FVJ100T	1/2W 10 Δ	R931	ERDS2TJ151	1/4W 150
16	ERDS2TJ470	1/4W 47	R613	ERDS2TJ223	1/4W 22K	R932, 933	ERDS2TJ101	1/4W 100
18	ERDS2TJ473	1/4W 47K	R614	ERD25FJ470	1/4W 47 Δ	R934	ERDS2TJ330	1/4W 33
12	ERDS2TJ104	1/4W 100K	R615	ERDS2TJ473	1/4W 47K Δ	R935, 936	ERDS2TJ101	1/4W 100
14	ERDS2TJ102	1/4W 1K	R616-618	ERDS1FVJ681T	1/2W 680 Δ	R937	ERDS2TJ103	1/4W 10K
16	ERDS2TJ222	1/4W 2.2K	R619, 620	ERG2S331P	2W 330	R938	ERDS2TJ271	1/4W 270
18	ERDS2TJ104	1/4W 100K	R621, 622	ERDS2TJ122	1/4W 1.2K	R939	ERDS2TJ391	1/4W 390
20	ERDS2TJ222	1/4W 2.2K	R623	ERDS2TJ684	1/4W 680K	R940	ERDS2TJ122	1/4W 1.2K
			R624	ERDS2TJ103	1/4W 10K Δ	R943-948	ERDS2TJ104	1/4W 100K
			R627	ERDS2TJ154	1/4W 150K	R949	ERDS2TJ102	1/4W 1K
26	ERDS2TJ102	1/4W 1K	R628	ERDS2TJ684	1/4W 680K	R956, 957	ERDS2TJ102	1/4W 1K
28	ERDS2TJ473	1/4W 47K	R629	ERDS2TJ101	1/4W 100	R960	ERDS2TJ103	1/4W 10K
30	ERDS2TJ104	1/4W 100K	R630	ERDS2TJ103	1/4W 10K	R961	ERDS2TJ821	1/4W 820
44	ERDS2TJ102	1/4W 1K	R651-654	ERDS2TJ223	1/4W 22K	R962	ERDS2TJ102	1/4W 1K
52	ERDS2TJ821	1/4W 820	R655	ERDS2TJ392T	1/4W 3.9K	R963	ERDS2TJ122	1/4W 1.2K
54	ERDS2TJ224T	1/4W 220K	R656, 657	ERDS2TJ103	1/4W 10K	R964	ERDS2TJ152	1/4W 1.5K
56	ERDS2TJ563	1/4W 56K	R658	ERDS2TJ223	1/4W 22K	R965	ERDS2TJ182	1/4W 1.8K
58	ERDS2TJ271	1/4W 270	R659-661	ERDS1FVJ220T	1/2W 22 Δ	R966	ERDS2TJ222	1/4W 2.2K
50	ERDS2TJ680T	1/4W 68	R670	ERDS2TJ153T	1/4W 15K (PX)	R967	ERDS2TJ332	1/4W 3.3K
52	ERDS2TJ184T	1/4W 180K	R708	ERDS1FVJ220T	1/2W 22	R968	ERDS2TJ472	1/4W 4.7K
54	ERDS2TJ123	1/4W 12K	R710	ERDS2TJ272T	1/4W 2.7K Δ	R969	ERDS2TJ682T	1/4W 6.8K
56	ERDS2TJ563	1/4W 56K	R711	ERDS2TJ223	1/4W 22K	R970	ERDS2TJ103	1/4W 10K
58	ERDS2TJ102	1/4W 1K	R712	ERDS2TJ103	1/4W 10K	R971	ERDS2TJ104	1/4W 100K
16	ERDS2TJ104	1/4W 100K	R715	ERDS2TJ103	1/4W 10K Δ	R1001-1004	ERDS2TJ183T	1/4W 18K
16	ERDS2TJ222	1/4W 2.2K	R716	ERDS2TJ222	1/4W 2.2K Δ	R1005-1010	ERDS2TJ153	1/4W 15K
18	ERDS2TJ102	1/4W 1K	R717	ERD25FVJ150T	1/4W 15 Δ	R1011	ERDS2TJ272T	1/4W 2.7K
			R771	ERDS1FJ120	1/2W 12 Δ	R1012	ERDS2TJ471	1/4W 470
			R773	ERDS2TJ153	1/4W 15K Δ	R1013	ERDS2TJ101	1/4W 100
			R777	ERDS1FJ120	1/2W 12 Δ	R1014	ERDS2TJ122	1/4W 1.2K
54	ERDS2TJ474	1/4W 470K	R780	ERDS1FVJ180T	1/2W 18 Δ	R1015, 1016	ERDS2TJ473	1/4W 47K
56	ERDS2TJ392T	1/4W 3.9K	R891	ERDS2TJ100	1/4W 10	R1017	ERDS2TJ274	1/4W 270K
58	ERDS2TJ272T	1/4W 2.7K	R901, 902	ERDS2TJ104	1/4W 100K	R1018	ERDS2TJ154	1/4W 150K
50	ERDS2TJ183T	1/4W 18K	R903, 904	ERDS2TJ273	1/4W 27K	R1019	ERDS2TJ332	1/4W 3.3K
52	ERDS2TJ332	1/4W 3.3K	R905-908	ERDS2TJ104	1/4W 100K	R1020	ERDS2TJ181T	1/4W 180
54	ERDS2TJ122	1/4W 1.2K	R909	ERDS2TJ274	1/4W 270K	R1021, 1022	ERDS2TJ223	1/4W 22K
56	ERDS2TJ821	1/4W 820	R910, 911	ERDS2TJ153	1/4W 15K	R1023	ERDS2TJ103	1/4W 10K
58	ERDS2TJ223	1/4W 22K	R912, 913	ERDS2TJ104	1/4W 100K	R1024-1026	ERDS2TJ474	1/4W 470K
74	ERDS2TJ563	1/4W 56K	R914	ERDS2TJ102	1/4W 1K	R1027-1029	ERDS2TJ332	1/4W 3.3K
76	ERDS2TJ102	1/4W 1K	R915	ERDS2TJ103	1/4W 10K	R1030	ERDS2TJ333	1/4W 33K
78	ERDS2TJ471	1/4W 470	R916	ERDS2TJ472	1/4W 4.7K	R1031	ERDS2TJ105T	1/4W 1M
30	ERDS2TJ682T	1/4W 6.8K	R917	ERDS2TJ221	1/4W 220	R1032	ERDS2TJ103	1/4W 10K
32	ERDS2TJ824	1/4W 820K	R918	ERDS2TJ562	1/4W 5.6K	R1033, 1034	ERDS2TJ392T	1/4W 3.9K
34	ERDS2TJ222	1/4W 2.2K	R919	ERDS2TJ272T	1/4W 2.7K	R1035	ERDS2TJ103	1/4W 10K
			R921	ERDS2TJ103	1/4W 10K	R1036	ERD25FJ820	1/4W 82 Δ
R591	ERDS2TJ563	1/4W 56K	R922	ERDS2TJ392T	1/4W 3.9K	R1101, 1102	ERDS2TJ222	1/4W 2.2K
R601, 602	ERDS2TJ102	1/4W 1K	R923	ERDS2TJ224T	1/4W 220K	R1103, 1104	ERDS2TJ563	1/4W 56K
R603, 604	ERDS2TJ563	1/4W 56K	R924	ERDS2TJ105T	1/4W 1M	R1107, 1108	ERDS2TJ563	1/4W 56K
R605, 606	ERDS2TJ182	1/4W 1.8K						

Ref. No.	Part No.	Values & Remarks	Ref. No.	Part No.	Values & Remarks	Ref. No.	Part No.	Values & Remarks
R1109, 1110	ERDS2TJ102	1/4W 1K	C605, 606	ECEA1CU220	16V 22U	C1019	ECQM1H273KV3	50V 0.027U
R1111	ERDS2TJ684	1/4W 680K	C607, 608	ECCR1H100KC5	50V 10P	C1020	ECQM1H473JZ	50V 0.047U
R1112	ERD25FJ470	1/4W 47 Δ	C609, 610	ECCR1H151KC5	50V 150P	C1021	ECEA1CU100	16V 10U
R1113	ERDS2TJ564	1/4W 560K Δ	C611, 612	ECFR1E223KR	25V 0.022U	C1022	ECQB1H104KF3	50V 0.1U
R1114	ERDS2TJ154	1/4W 150K	C613	ECEA1VU470	35V 47U	C1023	ECQV1H334JZ3	50V 0.33U
R1115, 1116	ERD25FVJ4R7T	1/4W 4.7 Δ	C614	ECEA1HU330	50V 33U	C1024	ECEA1CU221	16V 220U
R1117	ERDS2TJ222	1/4W 2.2K	C615	ECEA2AU100	100V 10U	C1025	ECEA1CU470	16V 47U
R1118	ERDS2TJ104	1/4W 100K	C616	ECEA2AN2R2SB	100V 2.2U Δ	C1026	ECQM1H562JZ	50V 5600P
R1120	ERDS2TJ824	1/4W 820K	C617, 618	ECKD1H681KB	50V 680P	C1027	ECEA1CU100	16V 10U
R1121	ERDS2TJ104	1/4W 100K	C651	ECEA1HK010B	50V 1U	C1028, 1029	ECEA1HU010	50V 1U
R1123	ERDS2TJ102	1/4W 1K	C701, 702	ECES75V752UX	75V 7500U Δ	C1030-1032	ECEA1EU3R3	25V 3.3U
		CAPACITORS	C703	ECKR2H103ZU	500V 0.01U Δ	C1033	ECEA1HU3R3	50V 3.3U
			C705	ECEA1CK100B	16V 10U	C1034, 1035	ECKR1H103ZF5	50V 0.01U
			C706	ECKR1H103ZF5	50V 0.01U	C1036-1038	ECBT1H181KB5	50V 180P
C401, 402	ECKR1H103ZF5	50V 0.01U	C707	ECEA2AN2R2SB	100V 2.2U	C1101, 1102	ECEA1HU3R3	50V 3.3U
C407, 408	ECBT1H101KB5	50V 100P	C709	ECKR1H103ZF5	50V 0.01U Δ	C1103, 1104	ECBT1C122MR5	16V 1200P
C409, 410	ECKR1H103ZF5	50V 0.01U	C710	ECKR1H103ZF5	50V 0.01U	C1105, 1106	ECBT1H821KB5	50V 820P
C411, 412	ECEA1VU4R7	35V 4.7U	C711	ECEA1CU101	16V 100U	C1107, 1108	ECEA1HU220	50V 22U
C415, 416	ECKR1H103ZF5	50V 0.01U	C712	ECEA1VU470	35V 47U Δ	C1109, 1110	ECBT1H100J5	50V 10P
C419	ECEA0JU101B	6.3V 100U	C751, 752	ECES75V752UX	75V 7500U Δ	C1111	ECEA1HN100SB	50V 10U
C421, 422	ECEA1CK220	16V 22U	C771	ECKR2H103ZU	500V 0.01U Δ	C1112	ECEA1HU330	50V 33U
C425	ECBT1H101KB5	50V 100P	C791 Δ	ECKWKC103PF2	400V 0.01U (P, P2, PC)	C1113, 1114	ECKT1H223ZF	50V 0.022U
C426	ECKR1H103ZF5	50V 0.01U	C791 Δ	ECKWNS103ZVS	400V 0.01U (PX)	C1115, 1116	ECEA1VU332	35V 3300U Δ
C427, 428	ECBT1H101KB5	50V 100P	C901	ECEA0JU102	6.3V 1000U	C1117	ECKR2H103ZU	500V 0.01U Δ
C429, 430	ECEA1VPS4R7	35V 4.7U	C902	ECBT1C103MS5	16V 0.01U	C1118	ECKR1H103ZF5	50V 0.01U
C431-444	ECBT1H101KB5	50V 100P	C903	ECEA0JU471	6.3V 470U			
C451, 452	ECEA1VU4R7	35V 4.7U	C904	ECEA1HCR47	50V 0.47U			
C453, 454	ECBT1H101KB5	50V 100P	C905	ECEA1HK010B	50V 1U			
C455, 456	ECBT1H102KB5	50V 1000P	C906	ECBT1C103MS5	16V 0.01U			
C457, 458	ECFR1E223KR	25V 0.022U	C907, 908	ECFR1E563KR	25V 0.056U			
C459, 460	ECFR1E682KR	25V 6800P	C909, 910	ECEA1HK2R2B	50V 2.2U			
C461, 462	ECEA1VU4R7	35V 4.7U	C911, 912	ECEA1VU330	35V 33U			
C463, 464	ECEA1CU220	16V 22U	C913, 914	ECEA1HK4R7	50V 4.7U			
C513, 514	ECEA1VU4R7	35V 4.7U	C919, 920	ECBT1C272MR5	16V 2700P			
C520	ECKR1H103ZF5	50V 0.01U	C930-939	ECBT1H331KB5	50V 330P			
C531, 532	ECKR1H103ZF5	50V 0.01U	C950	ECBT1E223ZF	25V 0.022U			
C533, 534	ECEA1CK100B	16V 10U	C1001, 1002	ECKR1H103ZF5	50V 0.01U			
C535-538	ECEA1VU4R7	35V 4.7U	C1003	ECEA1HU010	50V 1U			
C550	ECBT1E223ZF	25V 0.022U	C1004	ECQM1H332JZ	50V 3300P			
C553, 554	ECBT1H150J5	50V 15P	C1005	ECBT1H561KB5	50V 560P			
C555, 556	ECBT1H221KB5	50V 220P	C1006	ECQB1H104KF3	50V 0.1U			
C557, 558	ECBT1H330J5	50V 33P	C1007	ECEA1CU470	16V 47U			
C559, 560	ECEA1CU100	16V 10U	C1008, 1009	ECQV1H474JZ3	50V 0.47U			
C561, 562	ECFR1E123KR	25V 0.012U	C1010	ECQB1H104KF3	50V 0.1U			
C563, 564	ECFR1E683KR	25V 0.068U	C1011	ECQM1H332JZ	50V 3300P			
C565, 566	ECFR1E562KR	25V 5600P	C1012	ECBT1H561KB5	50V 560P			
C567, 568	ECFR1E273KR	25V 0.027U	C1013	ECEA1HU010	50V 1U			
C569, 570	ECEA1CK100B	16V 10U	C1014	ECQM1H123JV3	50V 0.012U			
C571, 572	ECKR1H103ZF5	50V 0.01U	C1015	ECFR1E104KR	25V 0.1U			
C583-586	ECFR1E104KR	25V 0.1U	C1016	ECEA0JU101B	6.3V 100U			
C601, 602	ECEA1VU4R7	35V 4.7U	C1017	ECEA1CU100	16V 10U			