

Service Manual

Digital Integrated Amplifier

Amplifier

SU-X933

Color

(K)...Black Type



Area

Country Code	Area	Color
(E), (E5)	Continental Europe	(K)
(EB)	Great Britain	(K)
(EG)	F.R. Germany & Italy	(K)
(GC)	Third Region	(K)
(GN)	New Zealand	(K)

SPECIFICATIONS

(DIN 45 500)

■ AMPLIFIER SECTION

DIN power output	2 × 50 W (8 Ω)
1 kHz THD: 1 %	
Total harmonic distortion	
rated power at 1 kHz	1 % (8 Ω)
Harmonic distortion	
half power at 1 kHz	0.03 % (8 Ω)
Residual hum and noise	0.5 mV
Damping factor	30 (8 Ω)
Input sensitivity and impedance	
PHONO	3 mV/47 kΩ
TUNER, AUX, TAPE	200 mV/22 kΩ
CD	300 mV/15 kΩ
Maximum input voltage (1 kHz, RMS)	
PHONO	120 mV
S/N (rated power 8 Ω)	
PHONO	73 dB (IHF, A, 79 dB)
TUNER, CD, AUX, TAPE	84 dB (IHF, A: 83 dB)
Frequency response	
PHONO	RIAA standard curve
	±0.8 dB (30 Hz~15 kHz)
TUNER, CD, AUX, TAPE	10 Hz~50 kHz (−3 dB)
Tone controls	
BASS	50 Hz, +10 dB~−10 dB
TREBLE	20 kHz, +10 dB~−10 dB

Muting	−20 dB
Super bass	70 Hz, 0~+10 dB
Output voltage	
TAPE REC OUT	200 mV
Channel balance, AUX 250 Hz~6,300 Hz	±1.0 dB
Channel separation, AUX 1 kHz	55 dB
Headphones output level and impedance	473 mV/330 Ω
Load impedance	
MAIN	8 Ω~16 Ω
SURROUND	8 Ω~16 Ω

■ GENERAL

Power consumption	330 W
Power supply	
For Great Britain and New Zealand	AC 50 Hz/60 Hz, 240 V
For continental Europe	AC 50 Hz/60 Hz, 220 V
For others	AC 50 Hz/60 Hz, 110 V/127 V/220 V/240 V
Dimensions (W × H × D)	360 × 106.2 × 304 mm
	(14-3/16" × 4-3/16" × 12")
Weight	5.3 kg (11.7 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

Matsushita Electric Industrial Co., Ltd.
Central P.O. Box 288, Osaka 530-91, Japan

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CONTENTS

	Page		Page
REPAIR	2	PRINTED CIRCUIT BOARDS	17~21
PROTECTION CIRCUITRY	2	TERMINAL GUIDE OF IC'S,	
SERIES	2	TRANSISTORS AND DIODES	21
LOCATION OF CONTROLS	3	WIRING CONNECTION DIAGRAM	22
FUNCTIONS	4, 5	DESCRIPTION OF FL PANEL	23
SEMBLY INSTRUCTIONS	6~8	FUNCTIONS OF IC TERMINALS	23, 24
WIRING DIAGRAM	9~14	REPLACEMENT PARTS LIST	25~33
EXPLODED VIEW	15, 16	EXPLODED VIEW	31, 32

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 127 V	AC 220 V	AC 240 V
Consumed current 50 Hz	100~500 mA	70~470 mA	50~250 mA	40~240 mA
Consumed current 60 Hz	97~476 mA	68~457 mA	49~244 mA	39~236 mA

PROTECTION CIRCUITRY

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.

Function of this circuitry is to prevent circuitry damage if, for example, the positive and negative speaker connection wires are reversed, 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.

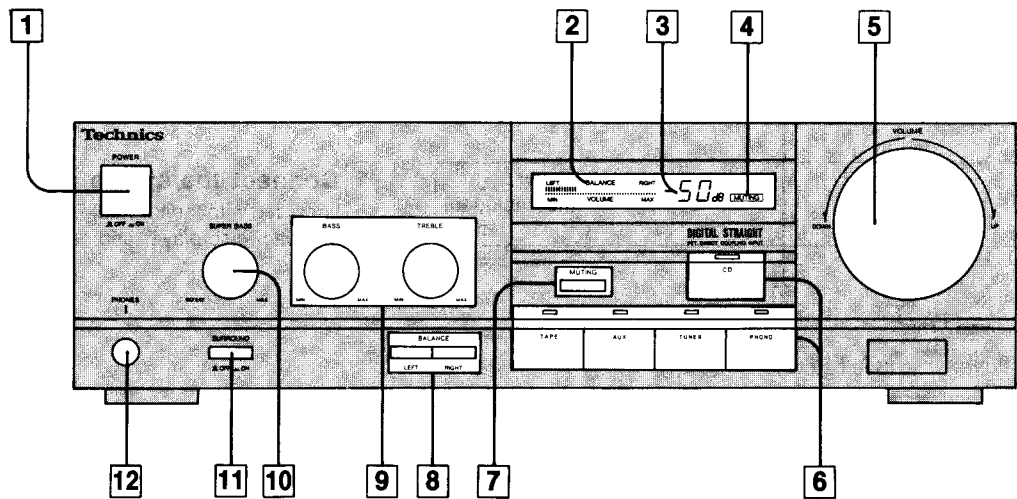
When the protection circuitry functions, the unit will not operate unless the power is first switched OFF and then ON again.

ACCESSORIES

Power supply cord	1	Attachment AC plug	1
Configuration of AC power supply cord differs according to area.			
SJA190	For (GN) area only.	SJP9215...	For (GC) area only
SJA188	For (EB) area only.		
RJA0004	For (GC) area only.		
SFDAC05E03	For others.		

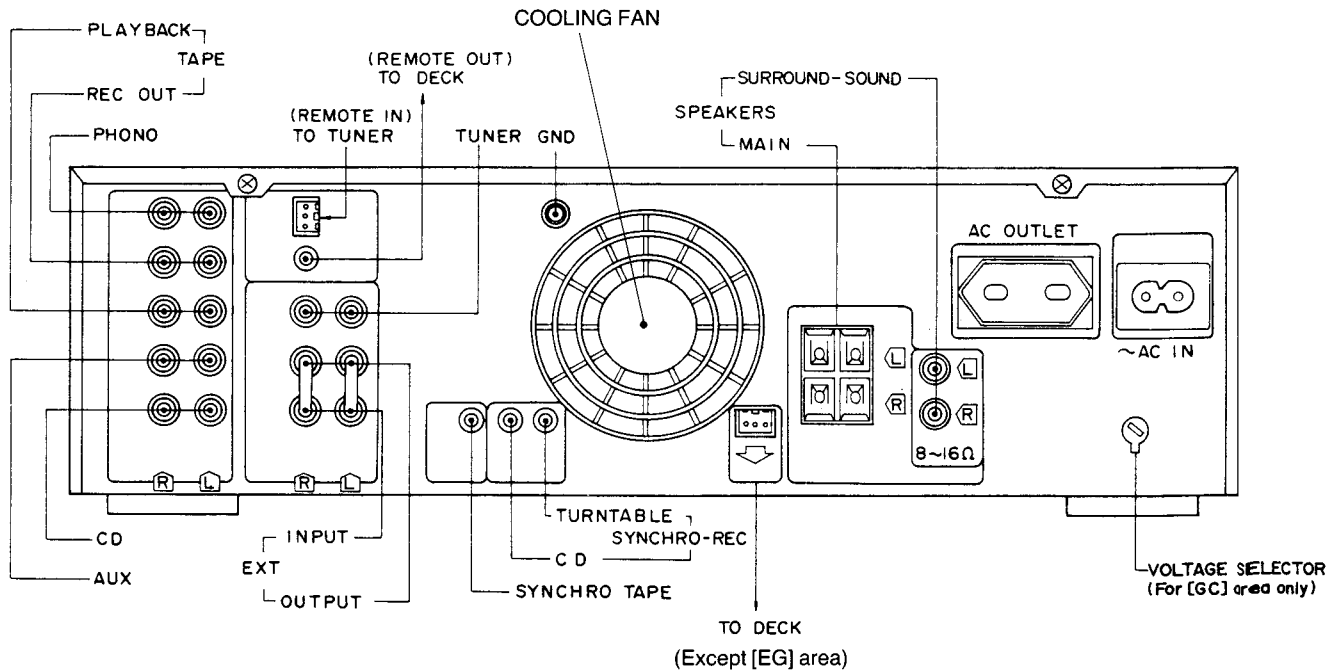
LOCATION OF CONTROLS

Front panel



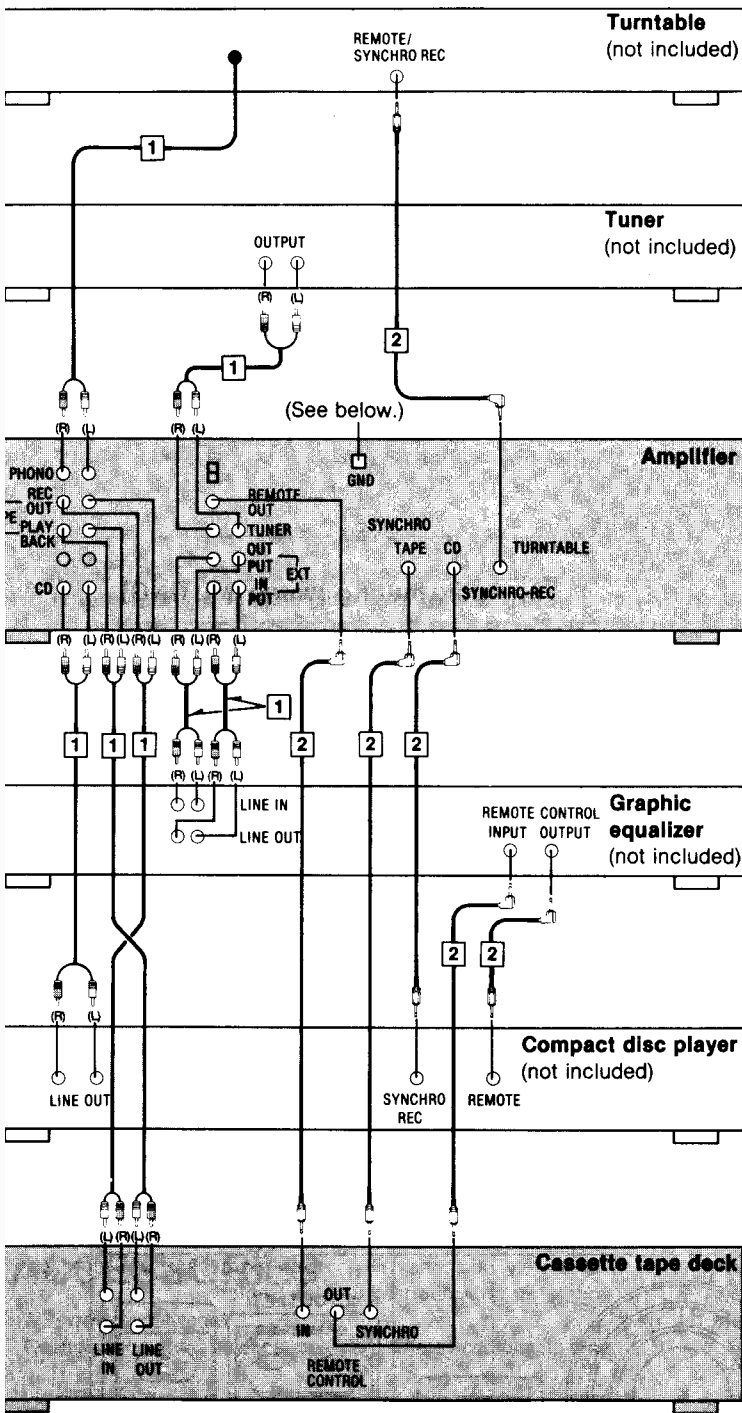
- 1 Power switch (POWER)
- 2 Volume level/balance indicator (BALANCE/VOLUME)
- 3 Volume-level indicator
- 4 Muting indicator (MUTING)
- 5 Volume control (VOLUME)
- 6 Input selectors/indicators
- 7 Audio muting switch (MUTING)
- 8 Balance controls (BALANCE)
- 9 Tone controls (BASS/TREBLE)
- 10 Super bass control (SUPER BASS)
- 11 Surround-sound switch (SURROUND)
- 12 Headphones jack (PHONES)

Rear panel



*Phono input capacitance is about 270 pF for EG area (about 100 pF for other areas).

CONNECTIONS



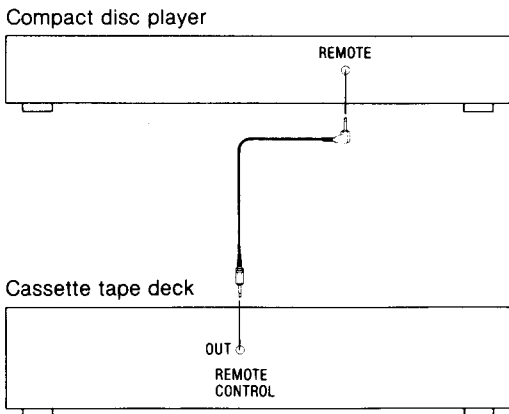
Connection diagrams shown are for connections to a Technics hi-fi component system. Make connections in the numbered sequential order.

1 Connect the stereo connection cables
(included with the turntable, tuner, graphic equalizer, compact disc player and cassette tape deck).

2 Connect the L-type cables
(included with the turntable, compact disc player, graphic equalizer and cassette tape deck).

Note:
Connect the L-type cables included with a compact disc player as illustrated below in either case:

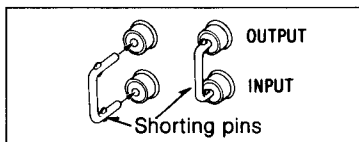
- When a graphic equalizer does not have the remote control terminals.
- When a graphic equalizer is not used in combination with these components.

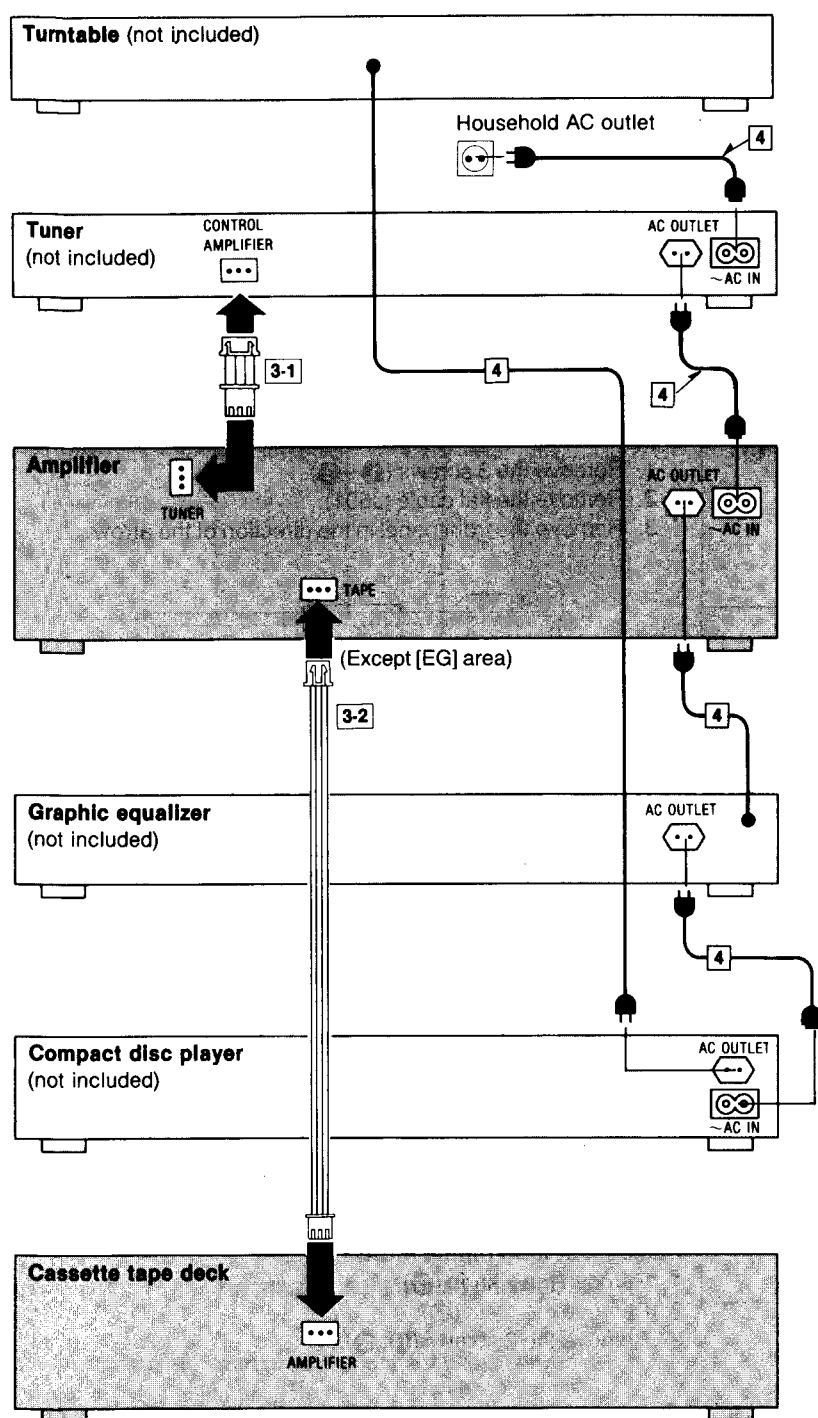


GND" terminal of the amplifier
terminal is for use with a turntable which has a ground wire.

EXT" terminals of the amplifier

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





3 Connect the flat cables.

3-1 Connect the 3-core flat cable
(included with the tuner).

3-2 Connect the 3-core flat cable
(included with the cassette tape deck).

4 Connect the AC power supply cords.

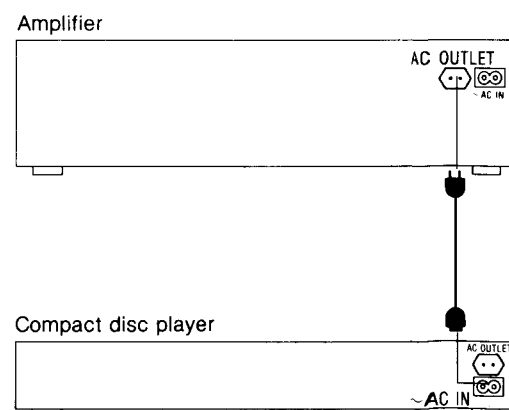
Connect this cord only after all other cables and cords have been connected.

Notes:

1. The configuration of the AC outlet and AC power supply cord differs according to area.
2. Connect the AC power supply cord included with a compact disc player to the AC outlet of the amplifier as illustrated below in either case:

• When a graphic equalizer does not have the AC outlet.

• When a graphic equalizer is not used in combination with these components.



■ About the AC outlets of the each components

Do not connect video-related equipment (such as a TV, etc.) to the AC outlets of these components. (These outlets are especially for audio equipment.) Also do not exceed the indicated power ratings when connecting to these outlets.

• "SWITCHED" outlet (For tuner)

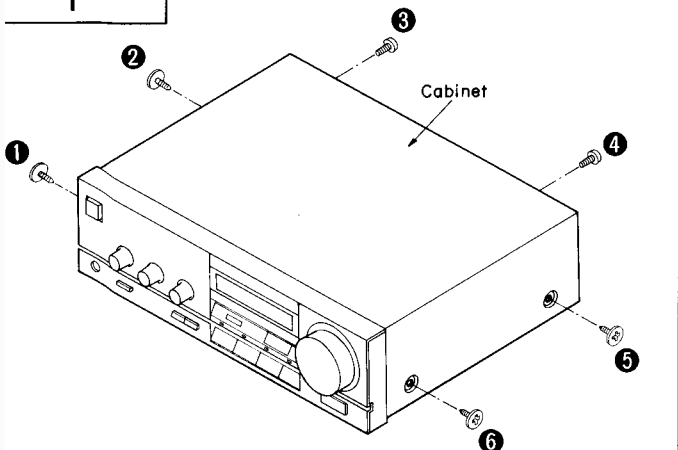
Power is controlled by the power switch.

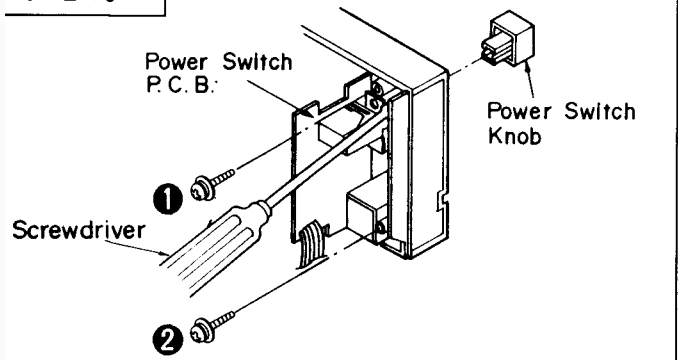
• "UNSWITCHED" outlets (For amplifier, compact disc player, graphic equalizer)

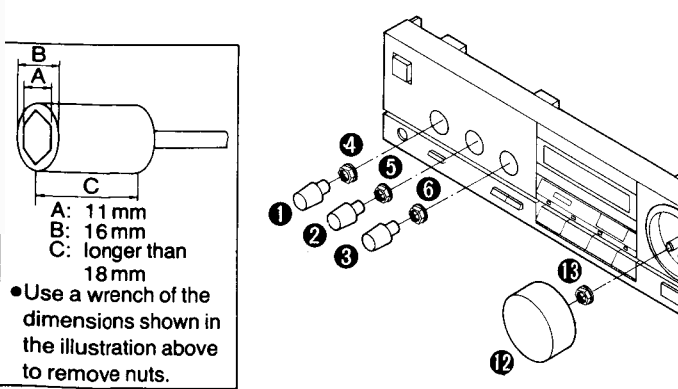
Power is always available, regardless of power switch setting.

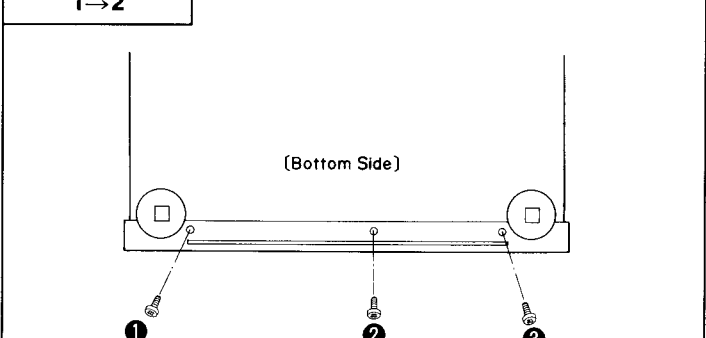
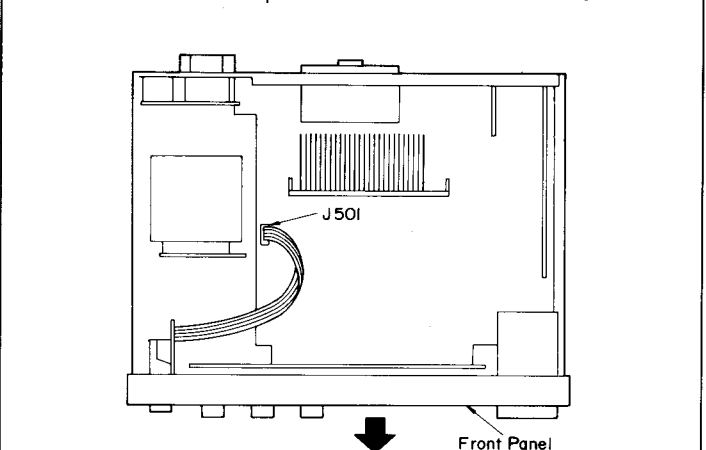
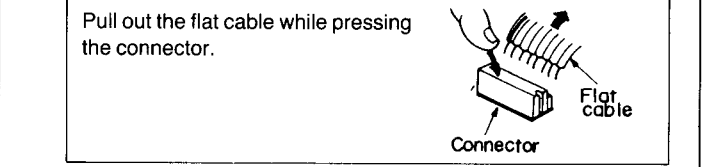
-X933

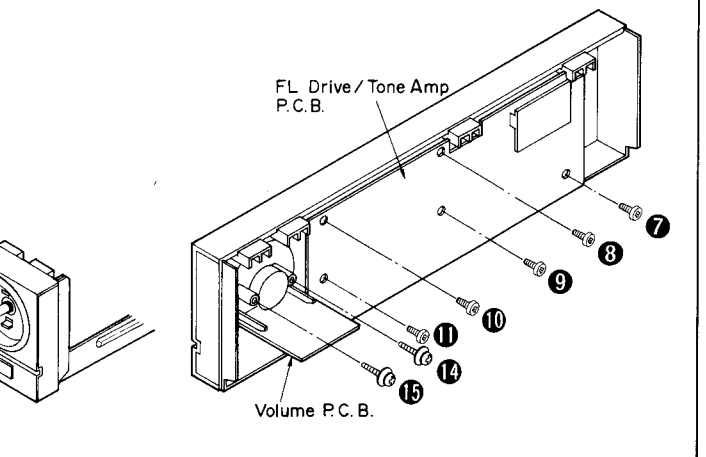
DISASSEMBLY INSTRUCTIONS

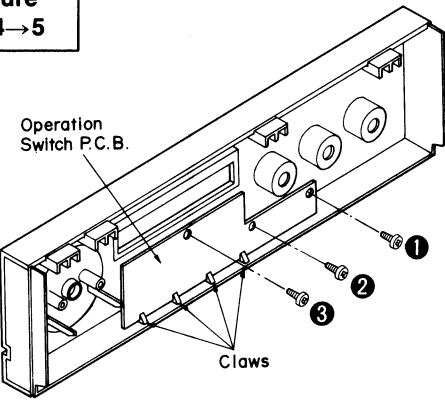
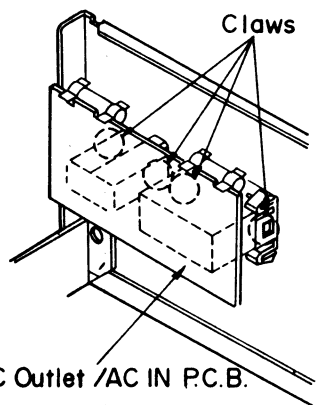
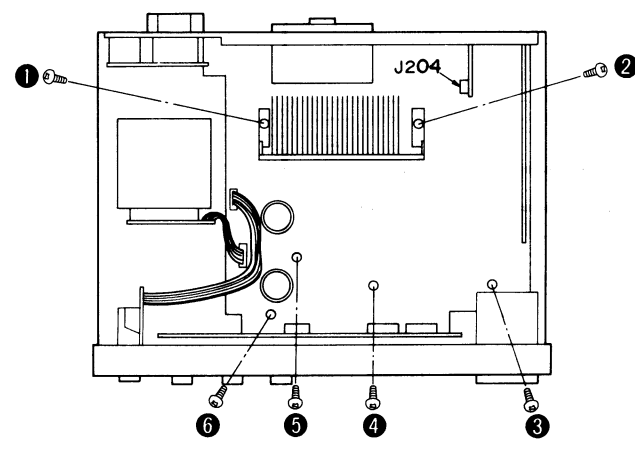
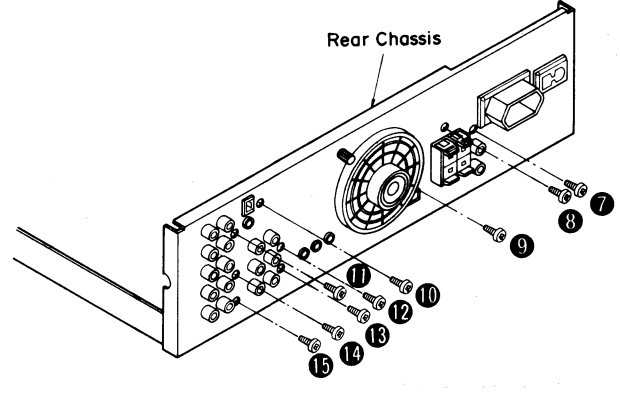
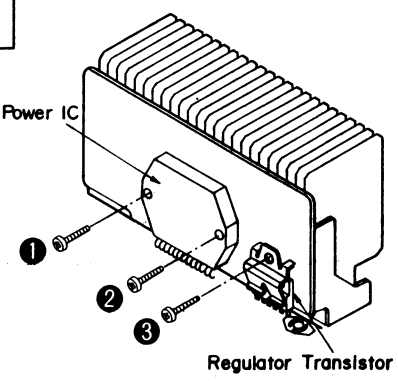
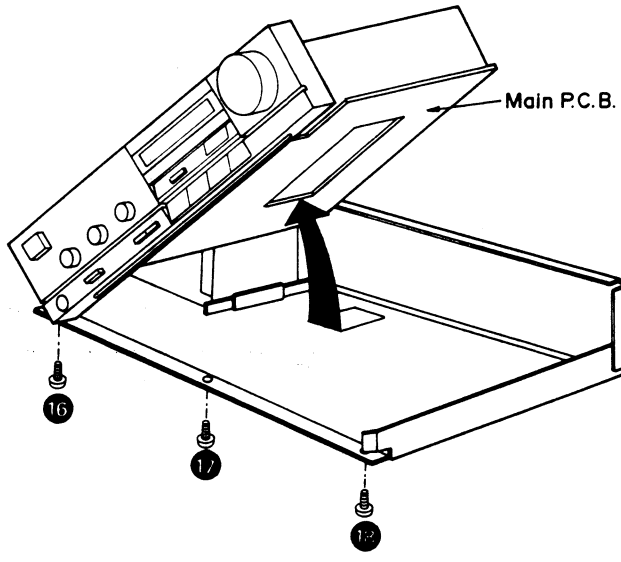
Ref. No. 1	Removal of the Cabinet
Procedure 1	 •Remove the 6 screws (1~6).

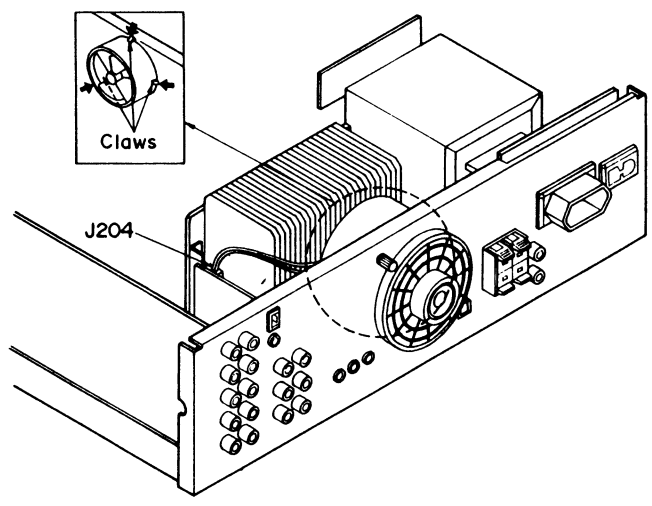
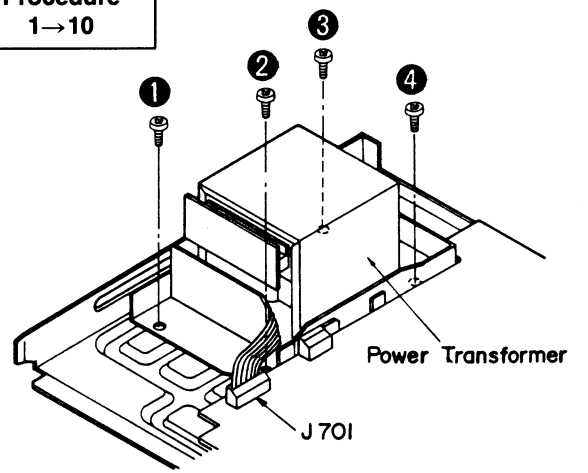
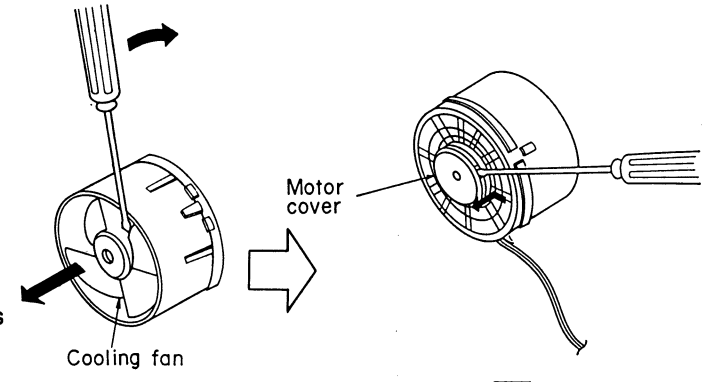
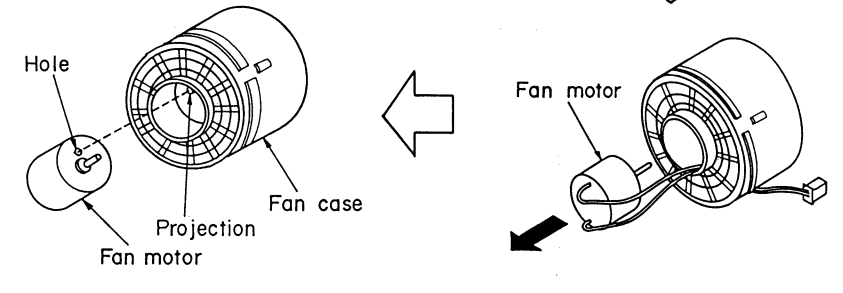
Ref. No. 3	Removal of the Power Switch P.C.B.
Procedure 1→2→3	 1. Remove the power switch knob by pushing it from behind the front panel. 2. Remove the 2 screws (1, 2).

Ref. No. 4	Removal of the FL Drive/Tone Amp P.C.B. and Volume P.C.B.
Procedure 1→2→4	Removal of the FL P.C.B. 1. Remove the 3 knobs (1~3). 2. Remove the 3 nuts (4~6). 3. Remove the 5 screws (7~11).  Dimensions: A: 11 mm B: 16 mm C: longer than 18 mm •Use a wrench of the dimensions shown in the illustration above to remove nuts.

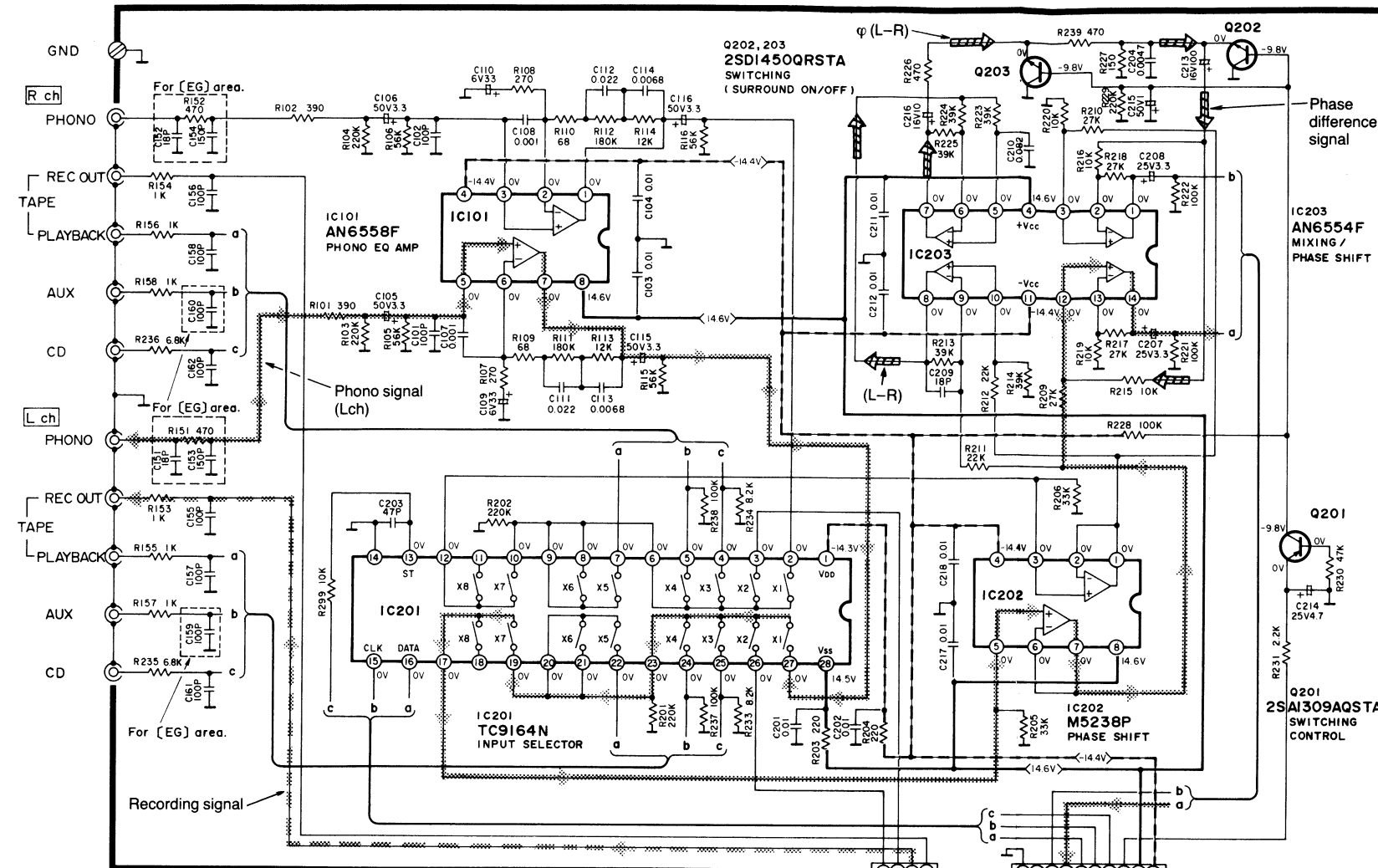
Ref. No. 2	Removal of the Front Panel
Procedure 1→2	 1. Remove the 3 screws (1~3). 2. Remove the flat cable (J501). 3. Remove the front panel in the direction of the arrow.  How to remove the flat cable Pull out the flat cable while pressing the connector. 

Ref. No. 5	Removal of the Volume P.C.B.
Procedure 1→2→3	1. Remove the 1 knob (12). 2. Remove the 1 nut (13). 3. Remove the 2 screws (14, 15). 

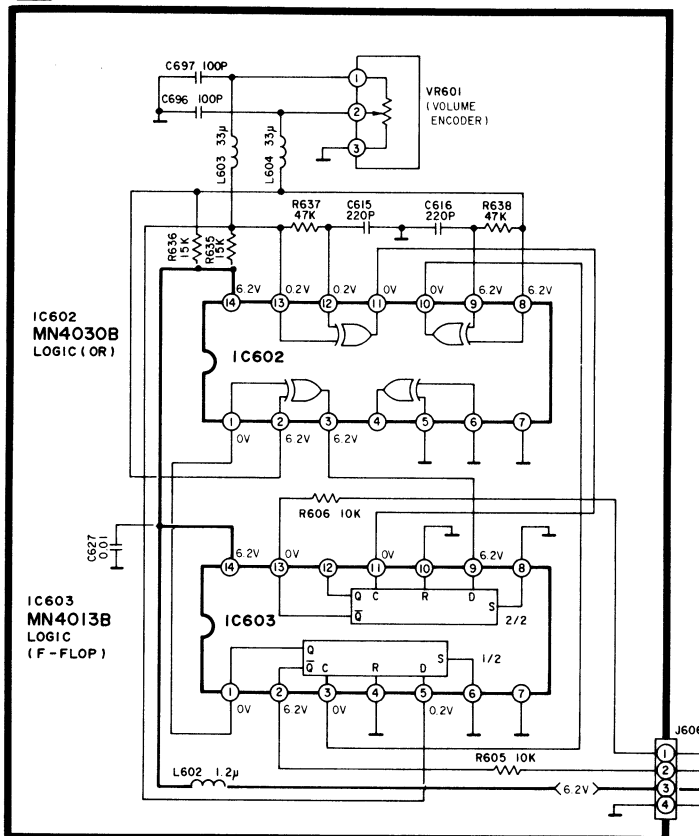
Ref. No. 5	Removal of the Operation Switch P.C.B.	Ref. No. 6	Removal of the AC Outlet/AC IN P.C.B.
Procedure 1→2→4→5	 1. Remove the 3 screws (1~3). 2. Release the 4 claws.	 Claws AC Outlet /AC IN P.C.B. ●Release the 4 claws.	
Ref. No. 7	Removal of the Main P.C.B.		
Procedure 1→7	 1. Remove the 6 screws (1~6). 2. Remove the 1 connector (J204).	 Rear Chassis 3. Remove the 9 screws (7~15).	
Ref. No. 8	Remove of the Power IC and Regulator Transistor		
Procedure 1→7→8	 Power IC Regulator Transistor 1. Unsolder the power IC or regulator transistor. 2. Remove the 3 screws (1~3). ●When mounting the power IC or regulator transistor. Apply silicone compound (SZZOL15) to the rear side of power IC or regulator transistor.	 Main P.C.B. 4. Remove the 3 screws (16~18). 5. Remove the main P.C.B. in the direction of the arrow.	

Ref. No. 9	Removal of the Fan Motor	Ref. No. 10	Removal of the Power Transformer
Procedure 1→9	 Claws J204 1. Pull out the 1 connector (J207). 2. Release the 3 claws. 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.	 Power Transformer J701 1. Remove the 1 flat cable (J701). 2. Remove the 4 screws (1~4).	
	 Motor cover Cooling fan		
	 Hole Projection Fan case Fan motor		

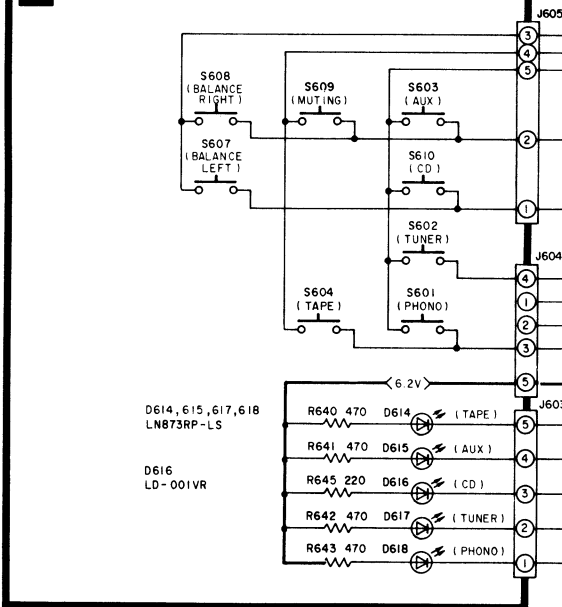
A PHONO EQ AMP / INPUT SELECTOR CIRCUIT



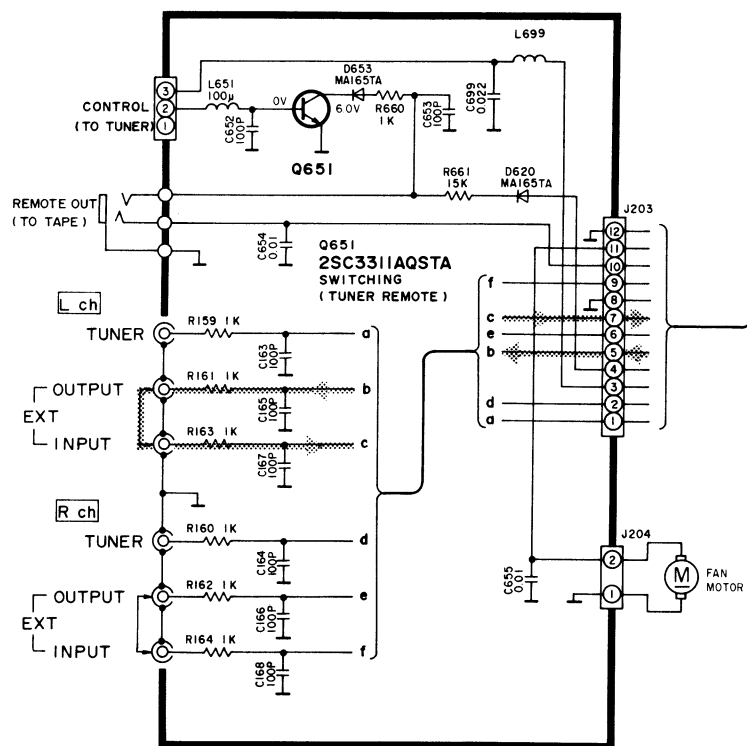
C VOLUME CIRCUIT



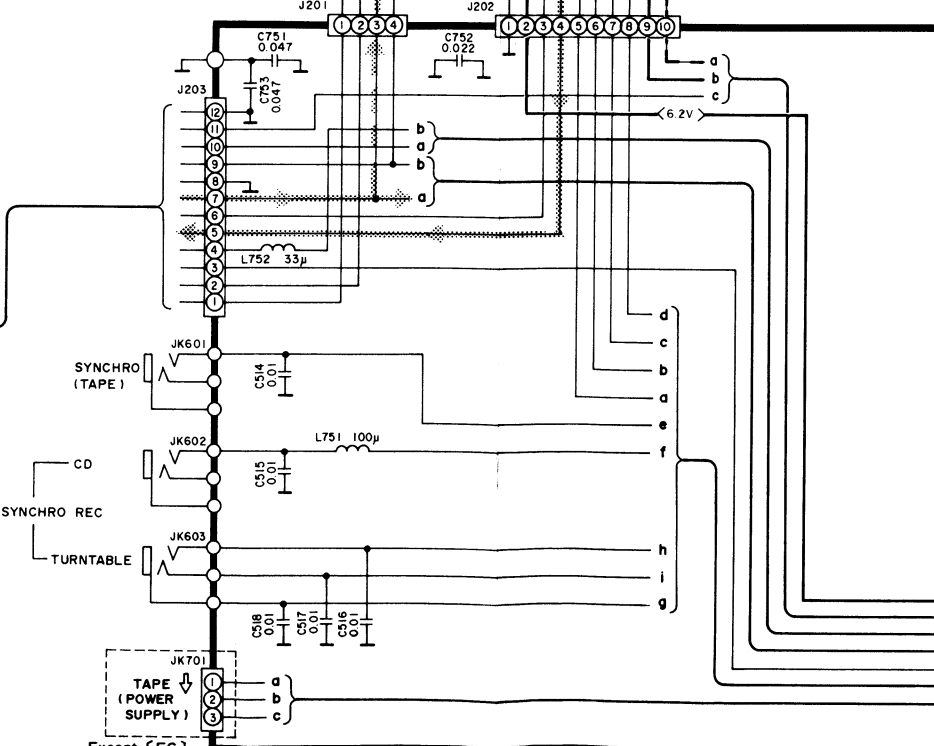
D LED/INPUT SELECT SWITCH CIRCUIT



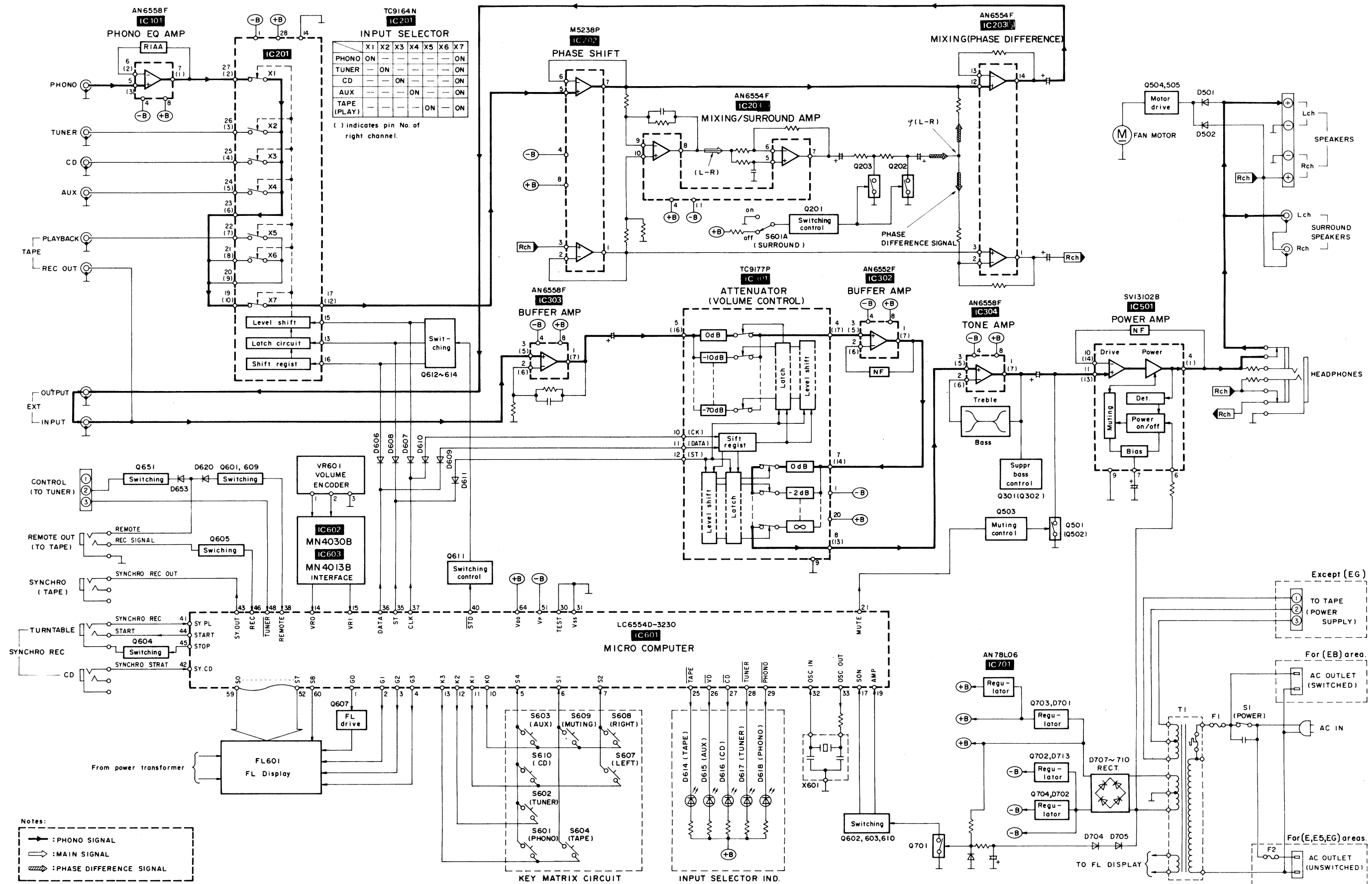
B INPUT / OUTPUT TERMINAL CIRCUIT



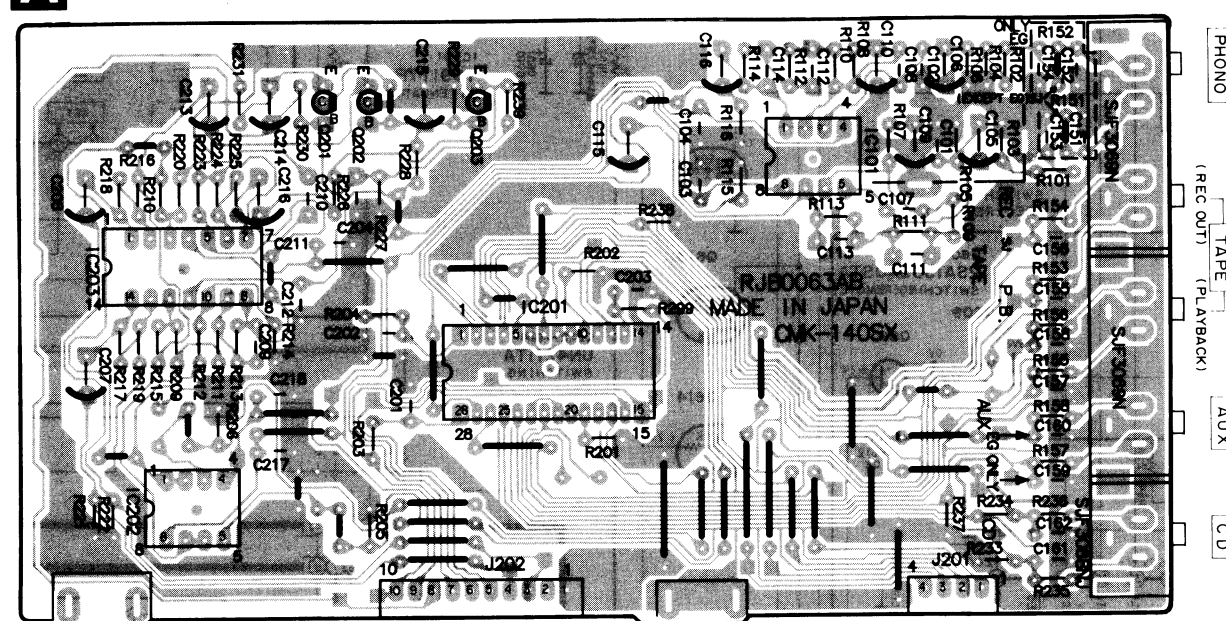
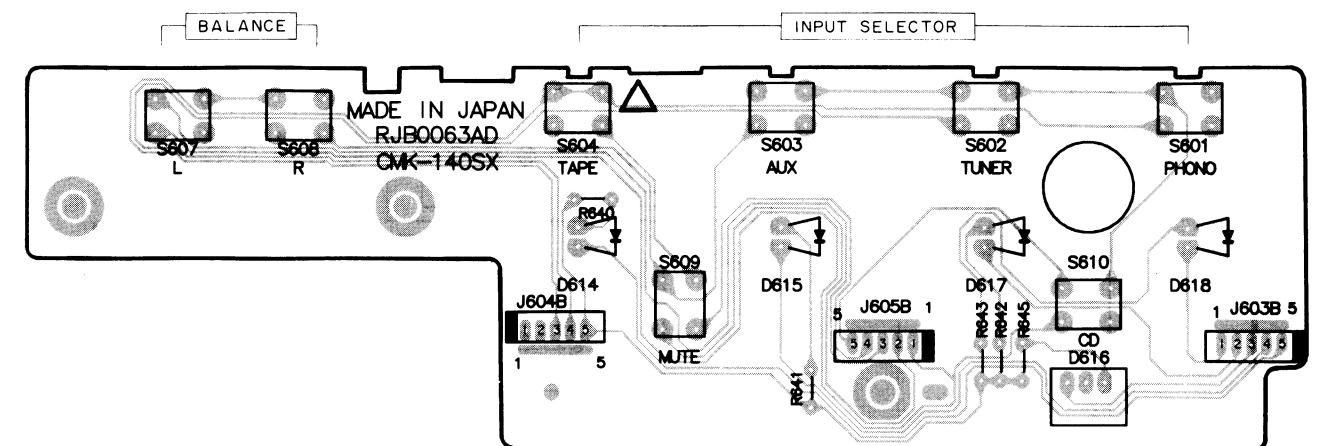
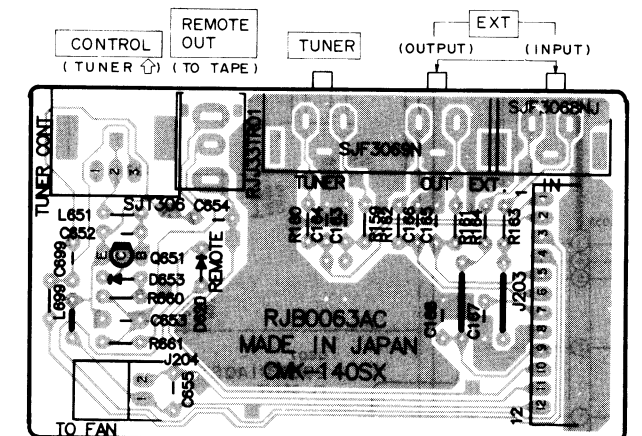
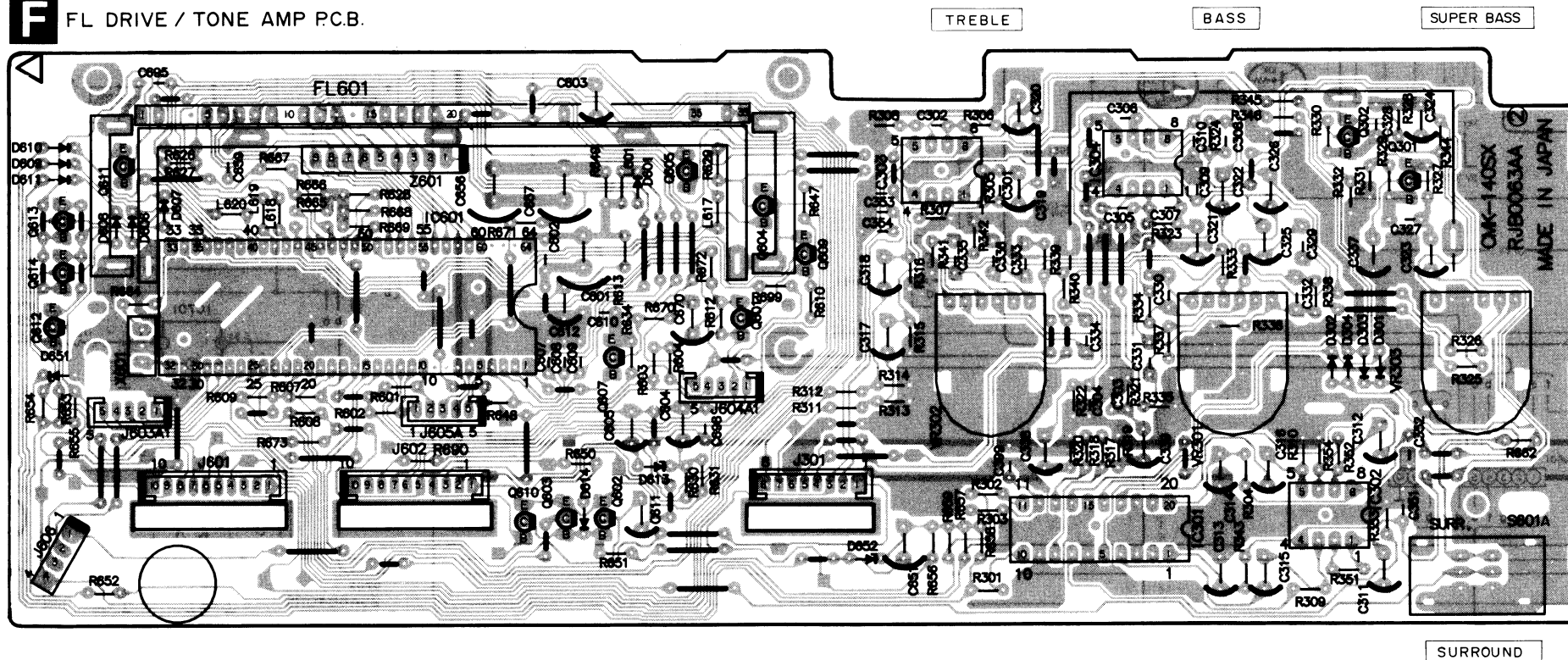
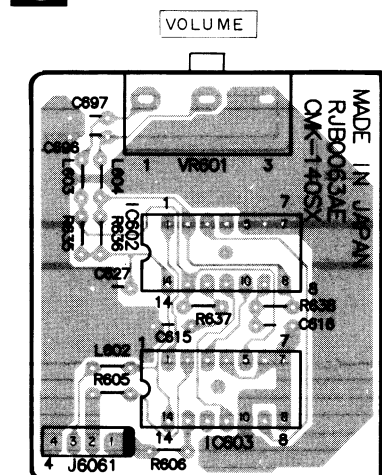
E MAIN CIRCUIT

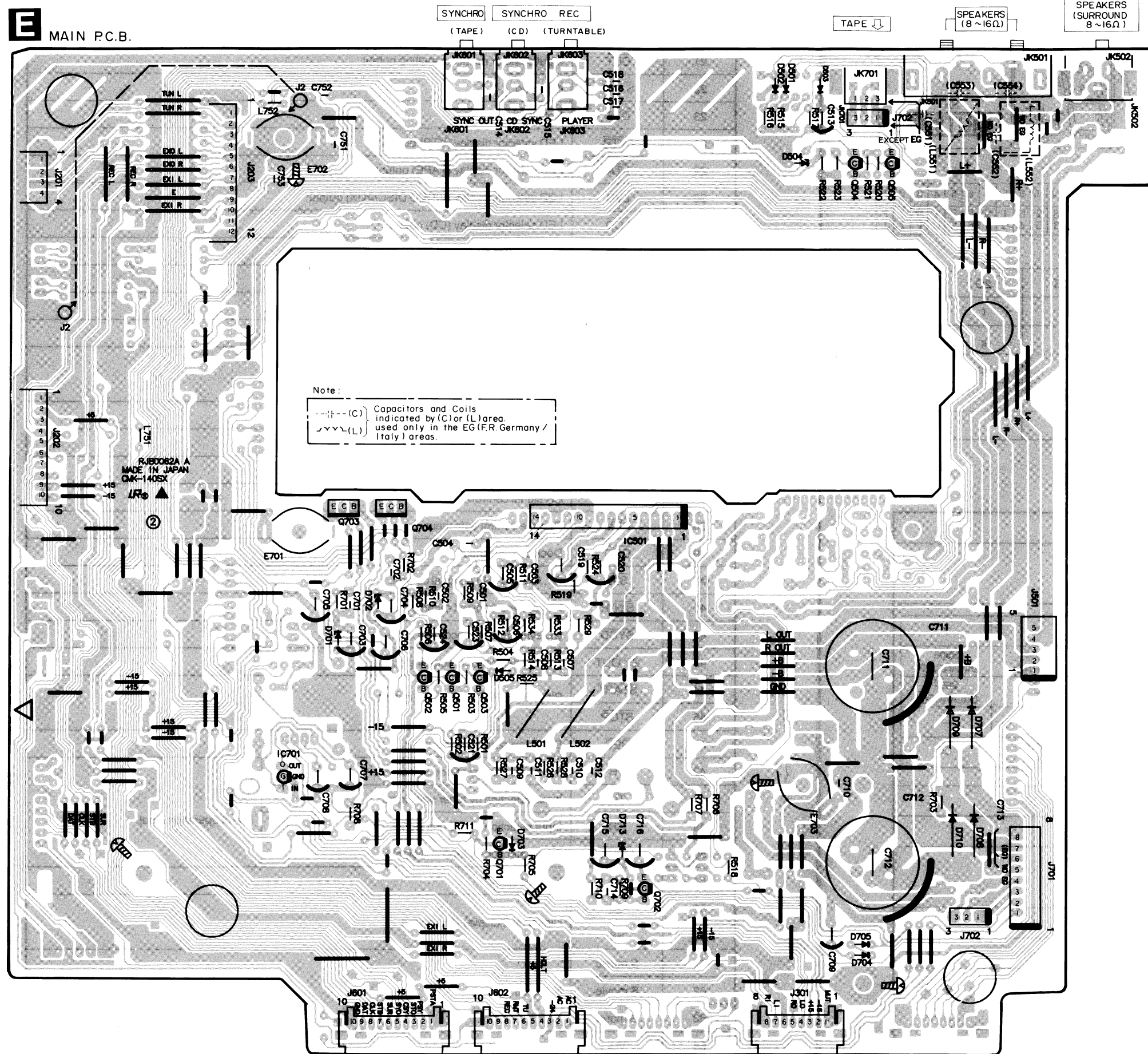


BLOCK DIAGRAM

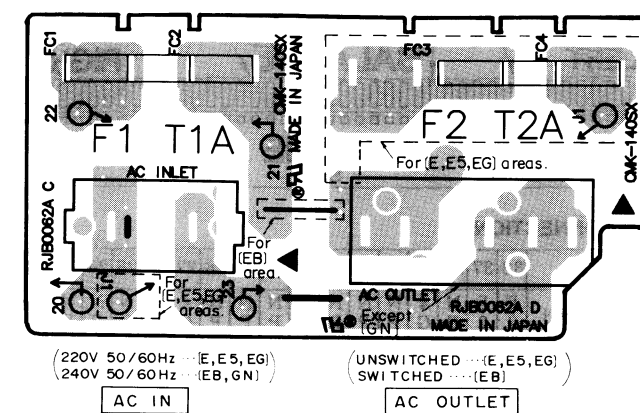


PRINTED CIRCUIT BOARDS (parts list on pages 25~30)

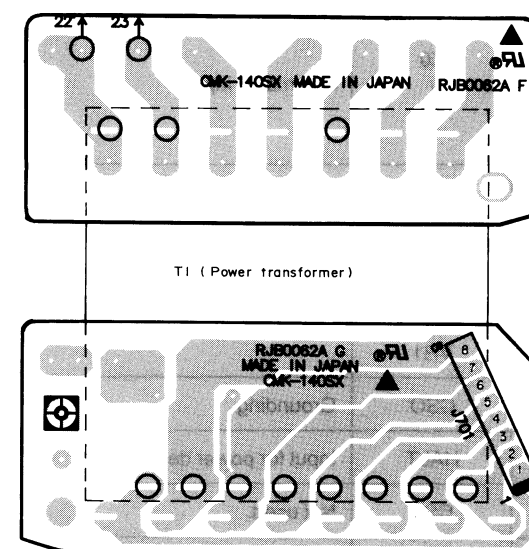
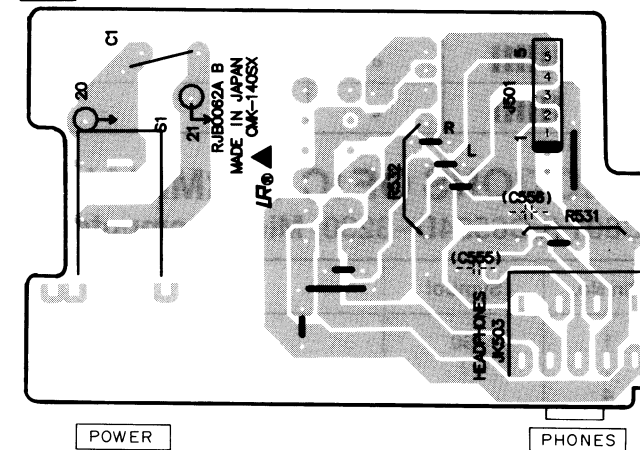
A PHONO EQ AMP/INPUT SELECTOR P.C.B.

D LED/INPUT SELECT SWITCH P.C.B.

B INPUT/OUTPUT TERMINAL P.C.B.

F FL DRIVE / TONE AMP P.C.B.

C VOLUME P.C.B.


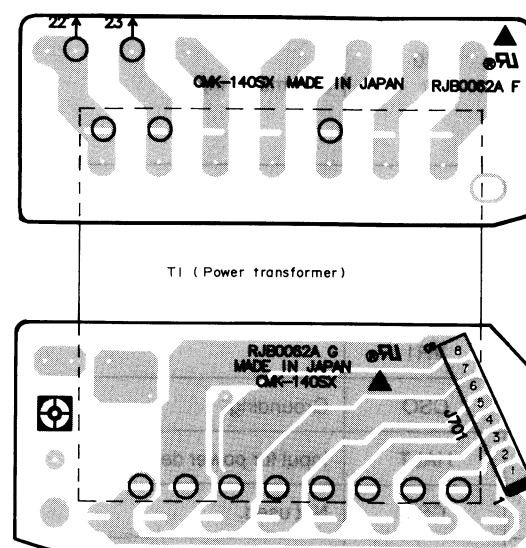
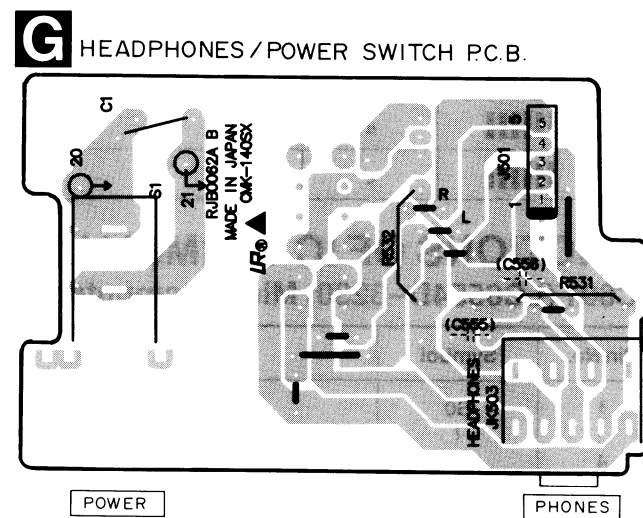
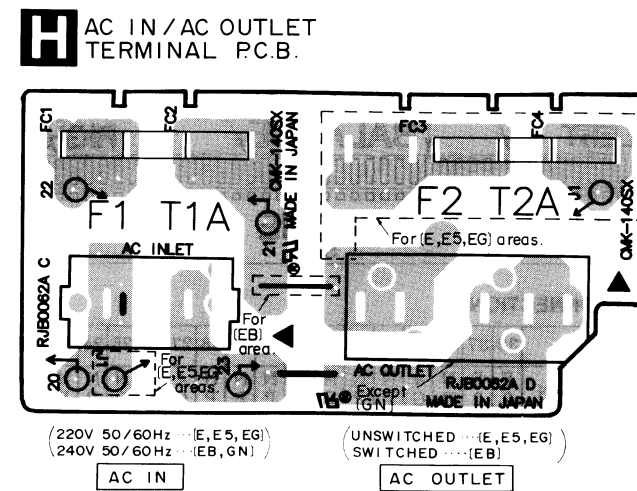
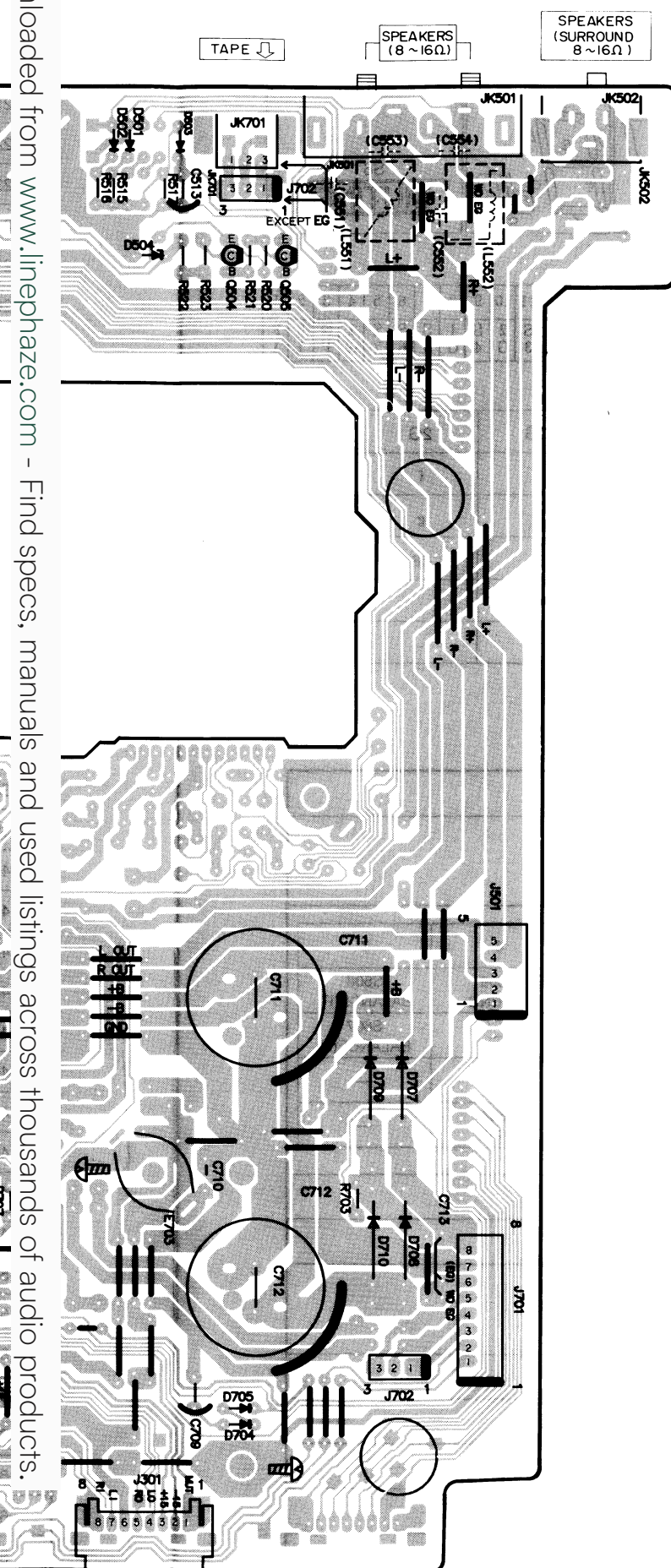


H AC IN / AC OUTLET TERMINAL P.C.B.

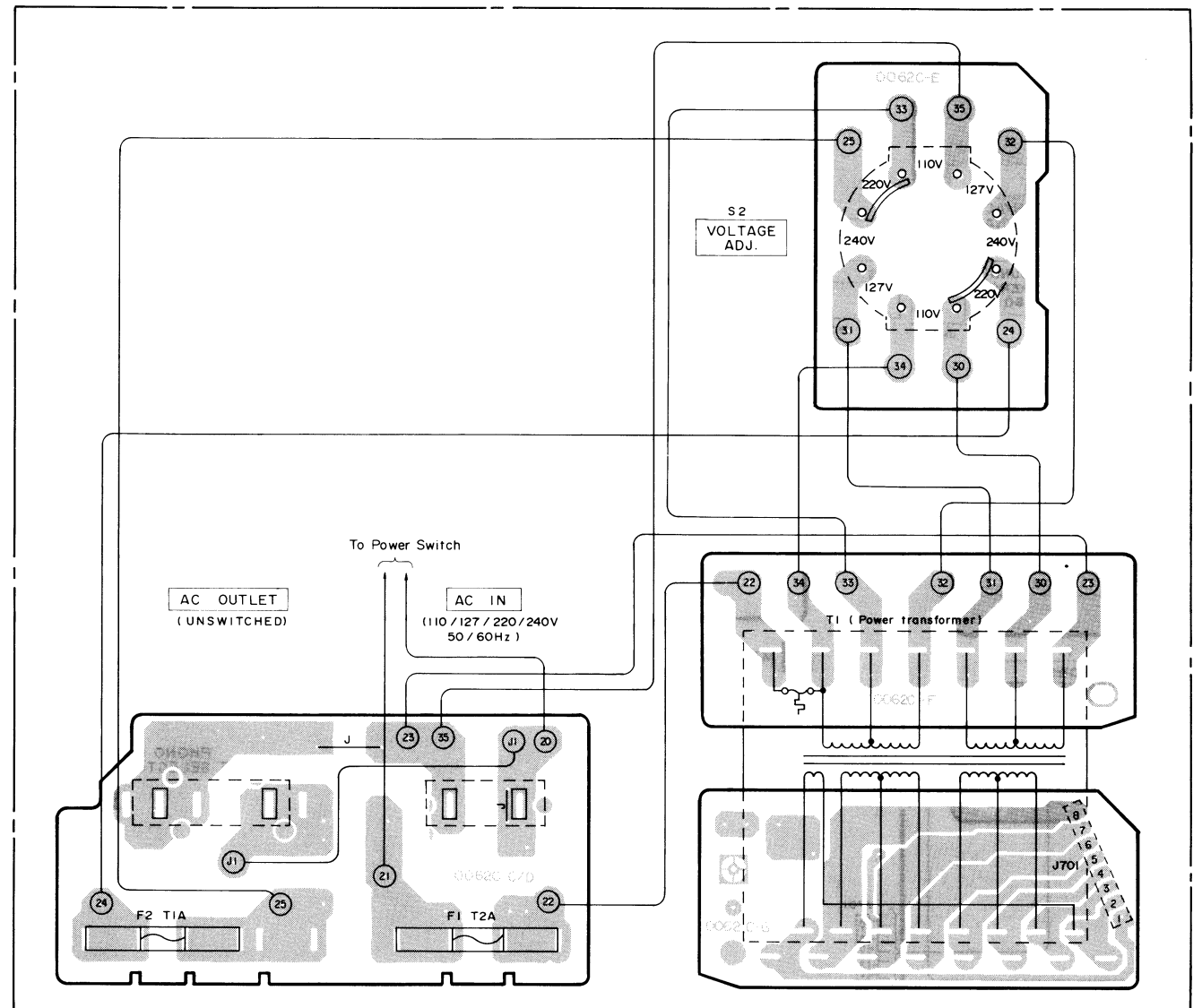


G HEADPHONES / POWER SWITCH P.C.B.

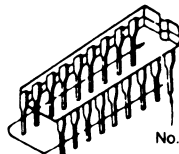
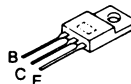
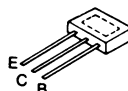
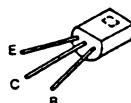
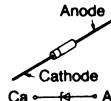
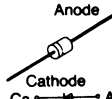
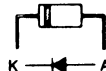




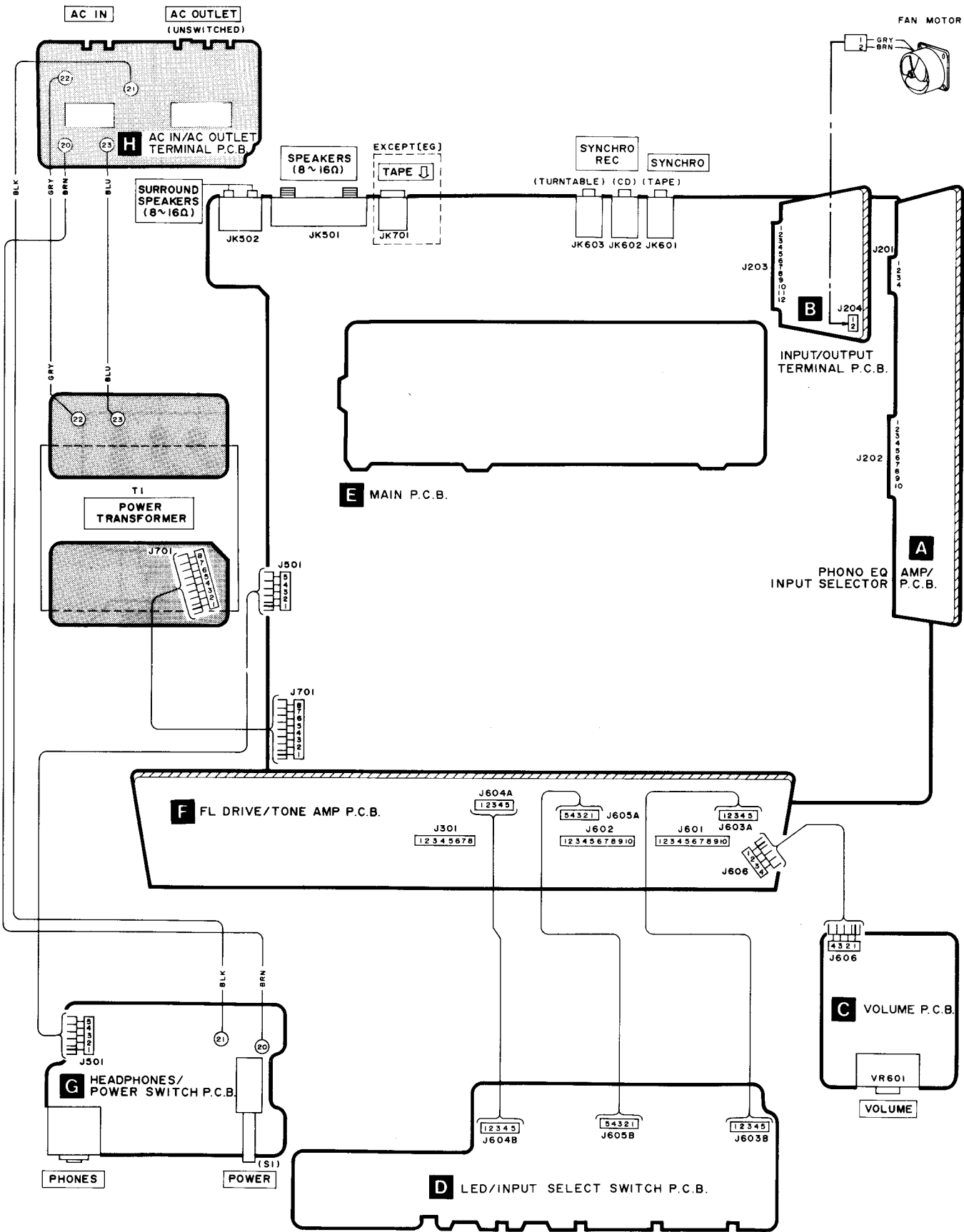
Power Source For (GC) area.



■ TERMINAL GUIDE OF IC'S, TRANSISTORS AND DIODES

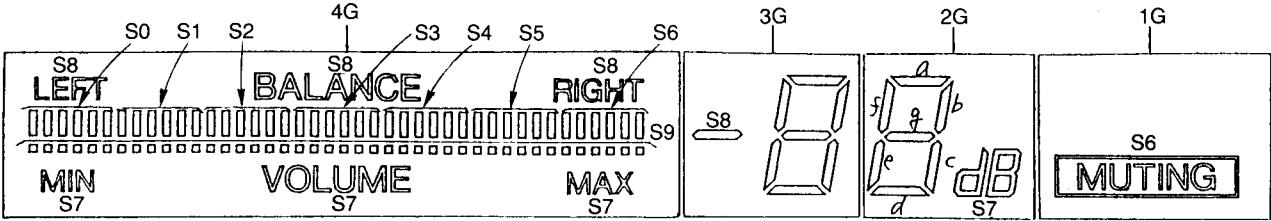
AN6552F AN6558F M5238P AN6554F MN4030B MN4013B	8 pin 14 pin	TC9177P TC9164N LC6554D-3230	20 pin 28 pin 64 pin		SVI3102B	14 pin	AN78L06
2SD1762EF 2SB1185EF		2SC3311A-Q, UN4111 2SA1309AQ, UN4211 2SD1450R		2SC3114STU 2SA684QRS		MA167 MA165	GP15GLF
LN873RP-LS		MA4051, MA4056M, MA4047M, MA4180M MA4150M					

■ WIRING CONNECTION DIAGRAM



■ DESCRIPTION OF FL PANEL

● GRID ASSIGNMENT



● PIN CONNECTION

PIN NO.	38	37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
CONNECTION	F	F	N	4	N	N	N	N	N	N	N	N	4	N	N	N	N	N	4	S	3	S	S	S	3	S	2	S	2	S	1	S	S	S	1	N	F	F

● ANODE CONNECTION

	4G	3G	2G	1G		4G	3G	2G	1G
S0		a	a	-	S5		f	f	-
S1		b	b	-	S6		g	g	MUTING
S2		c	c	-	S7	MIN VOLUME MAX	-	dB	-
S3		d	d	-	S8	LEFT BALANCE RIGHT	→	-	-
S4		e	e	-	S9	***** (x7)	-	-	-

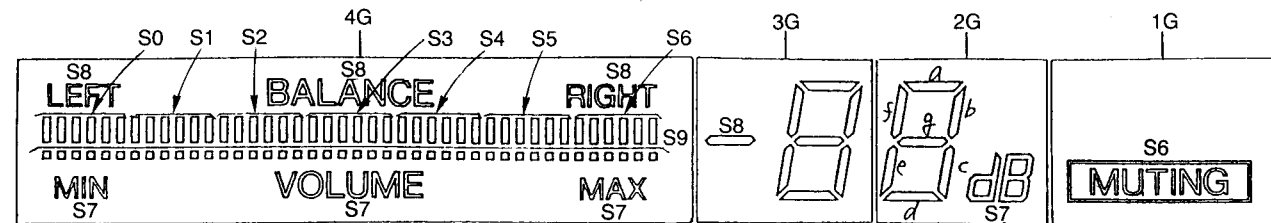
■ FUNCTIONS OF IC TERMINALS

● IC601 (LC6554D-3230) Micro Computer

Pin No.	Symbol	Function Description																								
1 } 4	G0 } G3	Grid drive output for digital multidisplay (FL).																								
5 } 7	S0 } S2	Key matrix output.	<table><tr><td>Output Input</td><td>5</td><td>6</td><td>7</td></tr><tr><td>10</td><td>S603 AUX</td><td>S609 MUTING</td><td>S608 BALANCE(R)</td></tr><tr><td>11</td><td>S610 CD</td><td>—</td><td>S607 BALANCE(L)</td></tr><tr><td>12</td><td>S602 TUNER</td><td>—</td><td>—</td></tr><tr><td>13</td><td>S601 PHONO</td><td>S604 TAPE1</td><td>—</td></tr></table>				Output Input	5	6	7	10	S603 AUX	S609 MUTING	S608 BALANCE(R)	11	S610 CD	—	S607 BALANCE(L)	12	S602 TUNER	—	—	13	S601 PHONO	S604 TAPE1	—
Output Input	5		6	7																						
10	S603 AUX	S609 MUTING	S608 BALANCE(R)																							
11	S610 CD	—	S607 BALANCE(L)																							
12	S602 TUNER	—	—																							
13	S601 PHONO	S604 TAPE1	—																							
10 } 13	K0 } K3	Key matrix input.																								
8	S3	Not used.																								
9	POWER ON	Not used.																								
14	VR0	Rotary encoder input of volume control (VR601).																								
15	VR1																									
16	CS0	Grounding.																								
17	HALT	Input for power detection.																								
18	CS1	Not used.																								
19	AMP	Input for power detection.																								
20	AMP POWER	Grounding.																								

DESCRIPTION OF FL PANEL

•GRID ASSIGNMENT



•PIN CONNECTION

PIN NO.	38	37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
CONNECTION	F	F	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S

•ANODE CONNECTION

	4G	3G	2G	1G		4G	3G	2G	1G
S0		a	a	-	S5		f	f	-
S1		b	b	-	S6		g	g	MUTING
S2		c	c	-	S7	MIN VOLUME MAX	-	dB	-
S3		d	d	-	S8	LEFT BALANCE RIGHT	-	-	-
S4		e	e	-	S9	----- (x7)	-	-	-

FUNCTIONS OF IC TERMINALS

•IC601 (LC6554D-3230) Micro Computer

Pin No.	Symbol	Function Description
1 }	G0 G3	Grid drive output for digital multidisplay (FL).
5 }	S0 S2	Key matrix output.
10 }	K0 K3	Key matrix input.
8	S3	Not used.
9	POWER ON	Not used.
14	VR0	Rotary encoder input of volume control (VR601).
15	VR1	
16	CS0	Grounding.
17	HALT	Input for power detection.
18	CS1	Not used.
19	AMP	Input for power detection.
20	AMP POWER	Grounding.

Pin. No.	Symbol	Function Description
21	CUT	Input selector noise cut muting output.
22	S. ON	Not used.
23	DTS	Not Used.
24	LVTR	LED selector display (VTR) output.
25	LTA	LED selector display (TAPE) output.
26	LVD	LED selector display (VIDEO DISC/AUX) output.
27	LCD	LED selector display (CD) output.
28	LTU	LED selector display (TUNER) output.
29	LPH	LED selector display (PHONO) output.
30	TEST	Grounding.
31	Vss	Grounding.
32	OSC1	Clock oscillation input/output.
33	OSC2	
34	RES	Reset signal input.
35	ST	ST signal control output.
36	DATA	DATA signal control output.
37	CK	CK signal control output.
38	REM	Remote control data input.
39	DCD	Deck control output.
40	SID	ST, CK and DATA signal control.
41	SYPH	Player synchronized recording input.
42	SYCD	CD synchronized recording input.
43	SY OUT	Deck synchronized recording output.
44	START	Player STOP/START signal output.
45	STOP	
46	REC	Deck onrecording signal input.
47	PH	Input selection by phono unit signal.
48	TU	Input selection by tuner unit signal.
49	CD	Input selection by CD unit signal.
50	DECK	Input selection by tape unit signal.
51	Vp	Power supply.
52 }	S0 S8	Digital multidisplay (FL) output.
61	S music	Not used.
62	S movie	
63	S mono	
64	VDD	Power supply.

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.

* Bracketed indications in Remarks columns specify the area. (Refer to the first page for area.)

Parts without these indications can be used for all areas.

Numbering System For Resistors

Example:

ERD	25	F	J	102
Type	Wattage (1/4W)	Shape	Tolerance	Value (1K Ω)
ERX	2	AN	J	471
Type	Wattage (2W)	Shape	Tolerance	Value (470 Ω)

Numbering System For Capacitors

Example:

ECKD	1H	102	Z	F
Type	Voltage (50V)	Value (0.001 μ F)	Tolerance	Unique
ECEA	50	M		330
Type	Voltage (50V)	Characteristics		Value (33 μ F)

● Capacity values are in microfarads (μ F) unless specified otherwise, P = Pico-farads (pF) F = Farads (F).

● Resistance values are in ohms (Ω), unless specified otherwise, 1K = 1,000 Ω , 1M = 1,000k Ω

Resistor Type	Wattage	Tolerance
ERD : Carbon	10 : 1/8W 12 : 1/2W	J : $\pm 5\%$
ERG : Metal Oxide	14 : 1/4W 25 : 1/4W	F : $\pm 1\%$
ERO : Fuse Type Metal	1A : 1W 18 : 1/8W	G : $\pm 2\%$
ERX : Metal Film	S2 : 1/4W S1 : 1/2W	J : $\pm 5\%$
ERD L : Carbon (chip)	2F : 1/4W 50 : 1/2W	K : $\pm 10\%$
ERO K : Metal Film (chip)	2A : 2W 3A : 3W	M : $\pm 20\%$
ERC : Solid	6G : 1/10W 8G : 1/8W	
ERF : Incombustible Box-Shaped		
ERM : Wire-Wound		
RRJ : Chip Resistor		
ERJ : Chip Resistor		

Capacitor Type	Voltage	Tolerance
ECE : Electrolytic	0J : 6.3V 1A : 10V	K : $\pm 10\%$
ECCD : Ceramic	1C : 16V 1E : 25V	M : $\pm 20\%$
ECKD : Ceramic Capacitor	1H : 50V 1V : 35V	Z : $\pm 80\%$
ECQM : Polyester	50 : 50V 05 : 50V	-20
ECQP : Polypropylene	2H : 500V 2A : 100V	J : $\pm 5\%$
ECG : Ceramic	1 : 100V 1J : 63V	G : $\pm 2\%$
ECEA N : Non Polar Electrolytic	KC : 400V AC	F : $\pm 1\%$
QCU : Ceramic (Chip Type)	KC : 125V AC (UL)	C : $\pm 0.25pF$
ECUX : Ceramic (Chip Type)		D : $\pm 0.5pF$
ECF : Semiconductor		
EECW : Liquid electrolyte double layer capacitor		

Ref. No.	Part No.	Part Name & Description	Remarks	Ref. No.	Part No.	Part Name & Description	Remarks
		RESISTORS		R230	ERDS2TJ473T	C. RESISTOR 1/4W 47K	
				R231	ERDS2TJ222T	C. RESISTOR 1/4W 2.2K	
				R233	ERDS2TJ822T	C. RESISTOR 1/4W 8.2K	
				R234	ERDS2TJ822T	C. RESISTOR 1/4W 8.2K	
				R235	ERDS2TJ682T	C. RESISTOR 1/4W 6.8K	
				R236	ERDS2TJ682T	C. RESISTOR 1/4W 6.8K	
				R237	ERDS2TJ104T	C. RESISTOR 1/4W 100K	
				R238	ERDS2TJ104T	C. RESISTOR 1/4W 100K	
				R239	ERDS2TJ471T	C. RESISTOR 1/4W 470	
				R299	ERDS2TJ103T	C. RESISTOR 1/4W 10K	
				R301	ERDS2TJ103T	C. RESISTOR 1/4W 10K	
				R302	ERDS2TJ103T	C. RESISTOR 1/4W 10K	
				R303	ERDS2TJ103T	C. RESISTOR 1/4W 10K	
				R304	ERDS2TJ221T	C. RESISTOR 1/4W 220	
				R305	ERDS2TJ123T	C. RESISTOR 1/4W 12K	
				R306	ERDS2TJ123T	C. RESISTOR 1/4W 12K	
				R307	ERDS2TJ822T	C. RESISTOR 1/4W 8.2K	
				R308	ERDS2TJ822T	C. RESISTOR 1/4W 8.2K	
				R309	ERDS2TJ224T	C. RESISTOR 1/4W 220K	
				R310	ERDS2TJ224T	C. RESISTOR 1/4W 220K	
				R311	ERDS2TJ102T	C. RESISTOR 1/4W 1K	
				R312	ERDS2TJ102T	C. RESISTOR 1/4W 1K	
				R313	ERDS2TJ563T	C. RESISTOR 1/4W 56K	
				R314	ERDS2TJ563T	C. RESISTOR 1/4W 56K	
				R315	ERDS2TJ563T	C. RESISTOR 1/4W 56K	
				R316	ERDS2TJ563T	C. RESISTOR 1/4W 56K	
				R317	ERDS2TJ223T	C. RESISTOR 1/4W 22K	
				R318	ERDS2TJ223T	C. RESISTOR 1/4W 22K	
R101, 102	ERDS2TJ391T	C. RESISTOR 1/4W 390					
R103, 104	ERDS2TJ224T	C. RESISTOR 1/4W 220K					
R105, 106	ERDS2TJ563T	C. RESISTOR 1/4W 56K					
R107, 108	ERDS2TJ271T	C. RESISTOR 1/4W 270					
R109, 110	ERDS2TJ680T	C. RESISTOR 1/4W 68					
R111, 112	ERDS2TJ184T	C. RESISTOR 1/4W 180K					
R113, 114	ERDS2TJ123T	C. RESISTOR 1/4W 12K					
R115, 116	ERDS2TJ563T	C. RESISTOR 1/4W 56K					
R151, 152	ERDS2TJ471T	C. RESISTOR 1/4W 470	(EG)				
R153, 164	ERDS2TJ102T	C. RESISTOR 1/4W 1K					
R201, 202	ERDS2TJ224T	C. RESISTOR 1/4W 220K					
R203, 204	ERDS2TJ221T	C. RESISTOR 1/4W 220					
R205, 206	ERDS2TJ333T	C. RESISTOR 1/4W 33K					
R209, 210	ERDS2TJ273T	C. RESISTOR 1/4W 27K					
R211, 212	ERDS2TJ223T	C. RESISTOR 1/4W 22K					
R213, 214	ERDS2TJ393T	C. RESISTOR 1/4W 39K					
R215, 216	ERDS2TJ103T	C. RESISTOR 1/4W 10K					
R217, 218	ERDS2TJ273T	C. RESISTOR 1/4W 27K					
R219, 220	ERDS2TJ103T	C. RESISTOR 1/4W 10K					
R221, 222	ERDS2TJ104T	C. RESISTOR 1/4W 100K					
R223, 225	ERDS2TJ393T	C. RESISTOR 1/4W 39K					
R226	ERDS2TJ471T	C. RESISTOR 1/4W 470					
R227	ERDS2TJ151T	C. RESISTOR 1/4W 150					
R228	ERDS2TJ104T	C. RESISTOR 1/4W 100K					
R229	ERDS2TJ224T	C. RESISTOR 1/4W 220K					

Ref. No.	Part No.	Part Name & Description	Remarks
319	ERDS2TJ472T	C. RESISTOR 1/4W 4.7K	
320	ERDS2TJ472T	C. RESISTOR 1/4W 4.7K	
321	ERDS2TJ104T	C. RESISTOR 1/4W 100K	
322	ERDS2TJ104T	C. RESISTOR 1/4W 100K	
323	ERDS2TJ224T	C. RESISTOR 1/4W 220K	
324	ERDS2TJ224T	C. RESISTOR 1/4W 220K	
325	ERDS2TJ152T	C. RESISTOR 1/4W 1.5K	
326	ERDS2TJ152T	C. RESISTOR 1/4W 1.5K	
327	ERDS2TJ102T	C. RESISTOR 1/4W 1K	
328	ERDS2TJ102T	C. RESISTOR 1/4W 1K	
329	ERDS2TJ224T	C. RESISTOR 1/4W 220K	
330	ERDS2TJ224T	C. RESISTOR 1/4W 220K	
331	ERDS2TJ562T	C. RESISTOR 1/4W 5.6K	
332	ERDS2TJ562T	C. RESISTOR 1/4W 5.6K	
333	ERDS2TJ223T	C. RESISTOR 1/4W 22K	
334	ERDS2TJ223T	C. RESISTOR 1/4W 22K	
335	ERDS2TJ392T	C. RESISTOR 1/4W 3.9K	
336	ERDS2TJ392T	C. RESISTOR 1/4W 3.9K	
337	ERDS2TJ823T	C. RESISTOR 1/4W 82K	
338	ERDS2TJ823T	C. RESISTOR 1/4W 82K	
339	ERDS2TJ222T	C. RESISTOR 1/4W 2.2K	
340	ERDS2TJ222T	C. RESISTOR 1/4W 2.2K	
341	ERDS2TJ102T	C. RESISTOR 1/4W 1K	
342	ERDS2TJ102T	C. RESISTOR 1/4W 1K	
343	ERDS2TJ221T	C. RESISTOR 1/4W 220	
344	ERDS2TJ473T	C. RESISTOR 1/4W 47K	
345	ERDS2TJ472T	C. RESISTOR 1/4W 4.7K	
346	ERDS2TJ472T	C. RESISTOR 1/4W 4.7K	
351	ERDS2TJ123T	C. RESISTOR 1/4W 12K	
352	ERDS2TJ123T	C. RESISTOR 1/4W 12K	
353	ERDS2TJ272T	C. RESISTOR 1/4W 2.7K	
354	ERDS2TJ272T	C. RESISTOR 1/4W 2.7K	
501	ERDS2TJ472T	C. RESISTOR 1/4W 4.7K	
502	ERDS2TJ473T	C. RESISTOR 1/4W 47K	
503	ERDS2TJ103T	C. RESISTOR 1/4W 10K	
504	ERDS2TJ104T	C. RESISTOR 1/4W 100K	
505	ERDS2TJ332T	C. RESISTOR 1/4W 3.3K	
506	ERDS2TJ332T	C. RESISTOR 1/4W 3.3K	
507	ERDS2TJ102T	C. RESISTOR 1/4W 1K	
508	ERDS2TJ102T	C. RESISTOR 1/4W 1K	
509	ERDS2TJ393T	C. RESISTOR 1/4W 39K	
510	ERDS2TJ393T	C. RESISTOR 1/4W 39K	
511	ERDS2TJ272T	C. RESISTOR 1/4W 2.7K	
512	ERDS2TJ272T	C. RESISTOR 1/4W 2.7K	
513	ERDS2TJ393T	C. RESISTOR 1/4W 39K	
514	ERDS2TJ393T	C. RESISTOR 1/4W 39K	
515	ERDS2TJ223T	C. RESISTOR 1/4W 22K	
516	ERDS2TJ223T	C. RESISTOR 1/4W 22K	
517	ERDS2TJ562T	C. RESISTOR 1/4W 5.6K	
518	ERDS2TJ684T	C. RESISTOR 1/4W 680K	
519	ERDS2TJ154T	C. RESISTOR 1/4W 150K	
520	ERDS2TJ153T	C. RESISTOR 1/4W 15K	

Ref. No.	Part No.	Part Name & Description	Remarks
R521	ERDS2TJ103T	C. RESISTOR 1/4W 10K	
R522	ERDS1FVJ101T	C. RESISTOR 1/2W 100	△
R523	ERDS1FVJ101T	C. RESISTOR 1/2W 100	△
R524	ERDS2TJ105T	C. RESISTOR 1/4W 1M	
R525	ERDS2TJ100T	C. RESISTOR 1/4W 10	
R526	ERDS2TJ100T	C. RESISTOR 1/4W 10	
R527	ERDS1FVJ100T	C. RESISTOR 1/2W 10	△
R528	ERDS1FVJ100T	C. RESISTOR 1/2W 10	△
R529	ERD25FVJ470T	C. RESISTOR 1/4W 47	△
R531	ERG1ANJP331S	M. RESISTOR 1W 330	△
R532	ERG1ANJP331S	M. RESISTOR 1W 330	△
R533	ERDS2TJ122T	C. RESISTOR 1/4W 1.2K	
R534	ERDS2TJ122T	C. RESISTOR 1/4W 1.2K	
R601	ERDS2TJ562T	C. RESISTOR 1/4W 5.6K	
R602	ERDS2TJ562T	C. RESISTOR 1/4W 5.6K	
R603	ERDS2TJ562T	C. RESISTOR 1/4W 5.6K	
R604	ERDS2TJ562T	C. RESISTOR 1/4W 5.6K	
R605	ERDS2TJ103T	C. RESISTOR 1/4W 10K	
R606	ERDS2TJ103T	C. RESISTOR 1/4W 10K	
R607	ERDS2TJ224T	C. RESISTOR 1/4W 220K	
R608	ERDS2TJ223T	C. RESISTOR 1/4W 22K	
R609	ERDS2TJ472T	C. RESISTOR 1/4W 4.7K	
R610	ERDS2TJ562T	C. RESISTOR 1/4W 5.6K	
R612	ERDS2TJ103T	C. RESISTOR 1/4W 10K	
R613	ERDS2TJ224T	C. RESISTOR 1/4W 220K	
R626	ERDS2TJ223T	C. RESISTOR 1/4W 22K	
R627	ERDS2TJ223T	C. RESISTOR 1/4W 22K	
R628	ERDS2TJ223T	C. RESISTOR 1/4W 22K	
R629	ERDS2TJ822T	C. RESISTOR 1/4W 8.2K	
R630	ERDS2TJ101T	C. RESISTOR 1/4W 100	
R631	ERDS2TJ101T	C. RESISTOR 1/4W 100	
R634	ERDS2TJ104T	C. RESISTOR 1/4W 100K	
R635	ERDS2TJ153T	C. RESISTOR 1/4W 15K	
R636	ERDS2TJ153T	C. RESISTOR 1/4W 15K	
R637	ERDS2TJ473T	C. RESISTOR 1/4W 47K	
R638	ERDS2TJ473T	C. RESISTOR 1/4W 47K	
R640	ERDS2TJ471T	C. RESISTOR 1/4W 470	
R641	ERDS2TJ471T	C. RESISTOR 1/4W 470	
R642	ERDS2TJ471T	C. RESISTOR 1/4W 470	
R643	ERDS2TJ471T	C. RESISTOR 1/4W 470	
R645	ERDS2TJ221T	C. RESISTOR 1/4W 220	
R647	ERDS2TJ223T	C. RESISTOR 1/4W 22K	
R648	ERDS2TJ104T	C. RESISTOR 1/4W 100K	
R649	ERDS2TJ102T	C. RESISTOR 1/4W 1K	
R650	ERDS2TJ562T	C. RESISTOR 1/4W 5.6K	
R651	ERDS2TJ103T	C. RESISTOR 1/4W 10K	
R652	ERDS2TJ182T	C. RESISTOR 1/4W 1.8K	
R653	ERDS2TJ562T	C. RESISTOR 1/4W 5.6K	
R654	ERDS2TJ562T	C. RESISTOR 1/4W 5.6K	
R655	ERDS2TJ562T	C. RESISTOR 1/4W 5.6K	
R656	ERDS2TJ122T	C. RESISTOR 1/4W 1.2K	
R657	ERDS2TJ562T	C. RESISTOR 1/4W 5.6K	

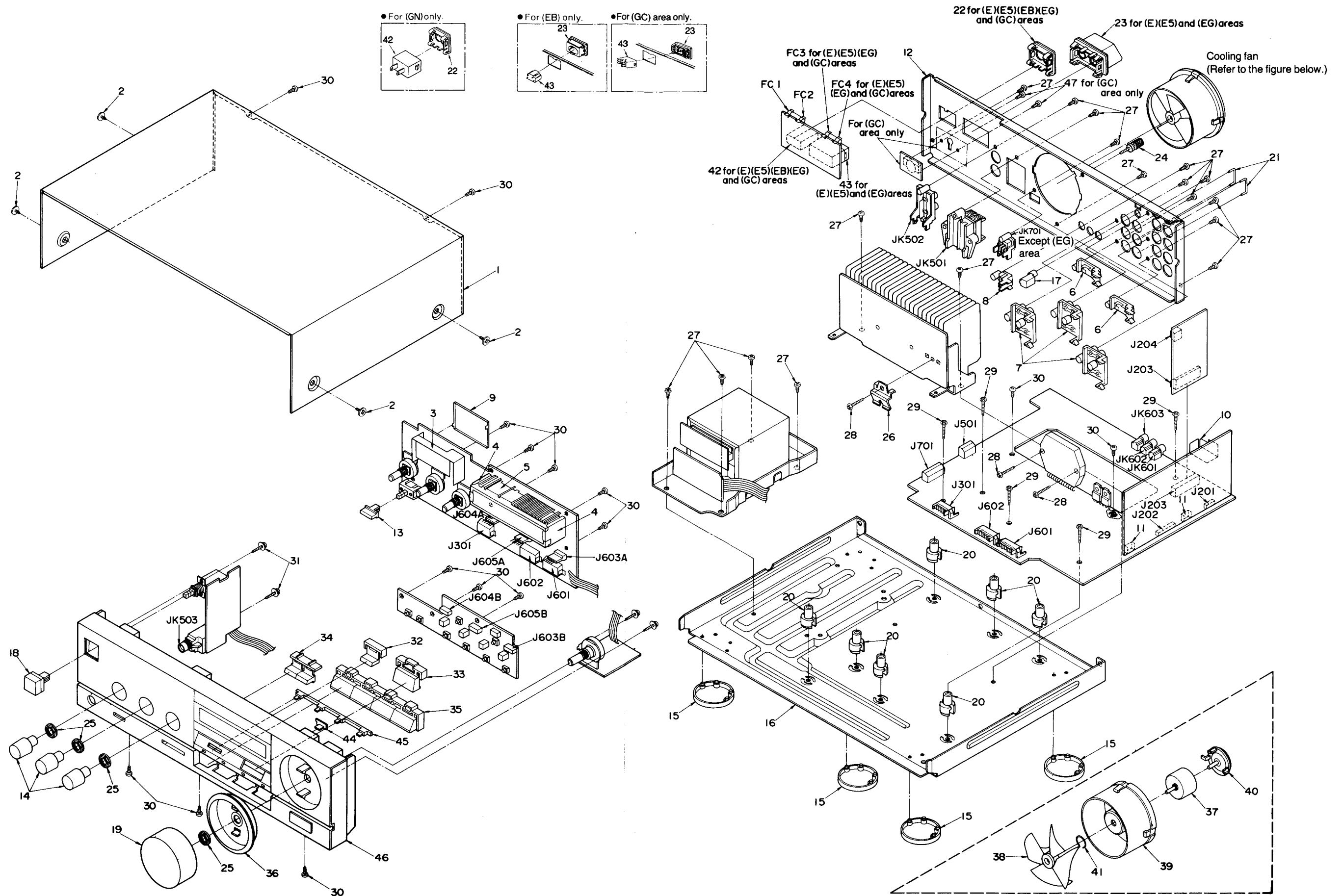
Ref. No.	Part No.	Part Name & Description	Remarks	Ref. No.	Part No.	Part Name & Description	Remarks
R658	ERDS2TJ562T	C. RESISTOR 1/4W 5.6K		C155	RCBS1H101KBY	C. CAPACITOR 50V 100P	
R659	ERDS2TJ562T	C. RESISTOR 1/4W 5.6K		C156	RCBS1H101KBY	C. CAPACITOR 50V 100P	
R660	ERDS2TJ102T	C. RESISTOR 1/4W 1K		C157	RCBS1H101KBY	C. CAPACITOR 50V 100P	
R661	ERDS2TJ153T	C. RESISTOR 1/4W 15K		C158	RCBS1H101KBY	C. CAPACITOR 50V 100P	
R662	ERDS2TJ472T	C. RESISTOR 1/4W 4.7K		C159	RCBS1H101KBY	C. CAPACITOR 50V 100P (EG)	
R664	ERDS2TJ102T	C. RESISTOR 1/4W 1K		C160	RCBS1H101KBY	C. CAPACITOR 50V 100P (EG)	
R665	ERDS2TJ223T	C. RESISTOR 1/4W 22K		C161	RCBS1H101KBY	C. CAPACITOR 50V 100P	
R666	ERDS2TJ223T	C. RESISTOR 1/4W 22K		C162	RCBS1H101KBY	C. CAPACITOR 50V 100P	
R667	ERDS2TJ223T	C. RESISTOR 1/4W 22K		C163	RCBS1H101KBY	C. CAPACITOR 50V 100P	
R668	ERDS2TJ223T	C. RESISTOR 1/4W 22K		C164	RCBS1H101KBY	C. CAPACITOR 50V 100P	
R669	ERDS2TJ223T	C. RESISTOR 1/4W 22K		C165	RCBS1H101KBY	C. CAPACITOR 50V 100P	
R670	ERDS2TJ680T	C. RESISTOR 1/4W 68		C166	RCBS1H101KBY	C. CAPACITOR 50V 100P	
R671	ERDS2TJ223T	C. RESISTOR 1/4W 22K		C167	RCBS1H101KBY	C. CAPACITOR 50V 100P	
R672	ERDS2TJ223T	C. RESISTOR 1/4W 22K		C168	RCBS1H101KBY	C. CAPACITOR 50V 100P	
R673	ERDS2TJ223T	C. RESISTOR 1/4W 22K		C201	ECBT1E103ZF5	C. CAPACITOR 25V 0.01U	
R690	ERDS2TJ102T	C. RESISTOR 1/4W 1K		C202	ECBT1E103ZF5	C. CAPACITOR 25V 0.01U	
R699	ERDS2TJ102T	C. RESISTOR 1/4W 1K		C203	RCBS1H470JLY	C. CAPACITOR 50V 47P	
R701	ERDS2TJ472T	C. RESISTOR 1/4W 4.7K	△	C204	ECFTD472KXL	C. CAPACITOR 25V 4700P	
R702	ERDS2TJ562T	C. RESISTOR 1/4W 5.6K	△	C207	ECEA1EK3R3B	E. CAPACITOR 25V 3.3U	
R703	ERD25FVJ101T	C. RESISTOR 1/4W 100	△	C208	ECEA1EK3R3B	E. CAPACITOR 25V 3.3U	
R704	ERDS2TJ473T	C. RESISTOR 1/4W 47K	△	C209	RCBS1H180JLY	C. CAPACITOR 50V 18P	
R705	ERDS2TJ103T	C. RESISTOR 1/4W 10K		C210	ECFTD823KXL	S. CAPACITOR 25V 0.082U	
R706	ERD25FVJ4R7T	C. RESISTOR 1/4W 4.7	△	C211	ECBT1E103ZF5	C. CAPACITOR 25V 0.01U	
R707	ERD25FVJ4R7T	C. RESISTOR 1/4W 4.7	△	C212	ECBT1E103ZF5	C. CAPACITOR 25V 0.01U	
R708	ERDS1FVJ121T	C. RESISTOR 1/2W 120	△	C213	ECEA1CU101B	E. CAPACITOR 16V 100U	
R709	ERDS2TJ272T	C. RESISTOR 1/4W 2.7K	△	C214	ECEA1EK4R7B	E. CAPACITOR 25V 4.7U	
R710	ERDS1FVJ331T	C. RESISTOR 1/2W 330	△	C215	ECEA1HK010B	E. CAPACITOR 50V 1U	
R711	ERDS2TJ153T	C. RESISTOR 1/4W 15K		C216	ECEA1CK100B	E. CAPACITOR 16V 10U	
				C217	ECBT1E103ZF5	C. CAPACITOR 25V 0.01U	
		CAPACITORS		C218	ECBT1E103ZF5	C. CAPACITOR 25V 0.01U	
				C301	RCBS1H330JLY	C. CAPACITOR 50V 33P	
C1	ECKWNS103ZVS	C. CAPACITOR 250V 0.01U	△	C302	RCBS1H330JLY	C. CAPACITOR 50V 33P	
C101	RCBS1H101KBY	C. CAPACITOR 50V 100P		C303	RCBS1H150JLY	C. CAPACITOR 50V 15P	
C102	RCBS1H101KBY	C. CAPACITOR 50V 100P		C304	RCBS1H150JLY	C. CAPACITOR 50V 15P	
C103	ECBT1E103ZF5	C. CAPACITOR 25V 0.01U		C305	RCBS1H101KBY	C. CAPACITOR 50V 100P	
C104	ECBT1E103ZF5	C. CAPACITOR 25V 0.01U		C306	RCBS1H101KBY	C. CAPACITOR 50V 100P	
C105	ECEA1HPS3R3B	E. CAPACITOR 50V 3.3U		C307	RCBS1H101KBY	C. CAPACITOR 50V 100P	
C106	ECEA1HPS3R3B	E. CAPACITOR 50V 3.3U		C308	RCBS1H101KBY	C. CAPACITOR 50V 100P	
C107	ECBT1H102KB5	C. CAPACITOR 50V 0.001U		C309	ECBT1E103ZF5	C. CAPACITOR 25V 0.01U	
C108	ECBT1H102KB5	C. CAPACITOR 50V 0.001U		C310	ECBT1E103ZF5	C. CAPACITOR 25V 0.01U	
C109	ECEA0JK330B	E. CAPACITOR 6.3V 33U		C311	ECEA1EK3R3B	E. CAPACITOR 25V 3.3U	
C110	ECEA0JK330B	E. CAPACITOR 6.3V 33U		C312	ECEA1EK3R3B	E. CAPACITOR 25V 3.3U	
C111	ECFTD223KXL	S. CAPACITOR 25V 0.022U		C313	ECEA1CK100B	E. CAPACITOR 16V 10U	
C112	ECFTD223KXL	S. CAPACITOR 25V 0.022U		C314	ECEA1CK100B	E. CAPACITOR 16V 10U	
C113	ECFTD682KXL	S. CAPACITOR 25V 6800P		C315	ECEA1HPS010B	E. CAPACITOR 50V 1U	
C114	ECFTD682KXL	S. CAPACITOR 25V 6800P		C316	ECEA1HPS010B	E. CAPACITOR 50V 1U	
C115	ECEA1HPS3R3B	E. CAPACITOR 50V 3.3U		C317	ECEA1HK3R3B	E. CAPACITOR 50V 3.3U	
C116	ECEA1HPS3R3B	E. CAPACITOR 50V 3.3U		C318	ECEA1HK3R3B	E. CAPACITOR 50V 3.3U	
C151	RCBS1H180JLY	C. CAPACITOR 50V 18P	(EG)	C319	ECEA1CPS100B	E. CAPACITOR 16V 10U	
C152	RCBS1H180JLY	C. CAPACITOR 50V 18P	(EG)	C320	ECEA1CPS100B	E. CAPACITOR 16V 10U	
C153	RCBS1H151KBY	C. CAPACITOR 50V 150P	(EG)	C321	ECEA1HPS3R3B	E. CAPACITOR 50V 3.3U	
C154	RCBS1H151KBY	C. CAPACITOR 50V 150P	(EG)	C322	ECEA1HPS3R3B	E. CAPACITOR 50V 3.3U	

- 28 -

Ref. No.	Part No.	Part Name & Description	Remarks	Ref. No.	Part No.	Part Name & Description	Remarks
		INTEGRATED CIRCUITS		D304	MA165TA	DIODE	
				D501	MA167TA	DIODE	
				D502	MA167TA	DIODE	
IC101	AN6558F	IC, EQ AMP		D503	MA165TA	DIODE	
IC201	TC9164N	IC, INPUT SELECTOR		D504	MA4051MTA	DIODE	
IC202	MS238P	IC, BUFFER AMP		D505	MA165TA	DIODE	
IC203	AN6554F	IC, SURROUND AMP		D601	MA165TA	DIODE	
IC301	TC9177P	IC, ELECTRONIC VOLUME		D606	MA165TA	DIODE	
IC302	AN6552F	IC, BUFFER AMP		D607	MA165TA	DIODE	
IC303	AN6558F	IC, BUFFER AMP		D608	MA165TA	DIODE	
IC304	AN6558F	IC, TONE/S. BASS AMP		D609	MA165TA	DIODE	
IC501	SV13102B	IC, POWER AMP	△	D610	MA165TA	DIODE	
IC601	LC6554D-3230	IC, MICRO COMPUTER		D611	MA165TA	DIODE	
IC602	MN4030B	IC, LOGIC		D613	MA4056MTA	DIODE	
IC603	MN4013B	IC, LOGIC		D614	LN873RP-LS	DIODE	
IC701	AN78L06	IC, REGULATOR		D614	MA165TA	DIODE	
		TRANSISTORS		D615	LN873RP-LS	DIODE	
				D616	LD-001VR	DIODE	
				D617	LN873RP-LS	DIODE	
Q201	2SA1309AQSTA	TRANSISTOR		D618	LN873RP-LS	DIODE	
Q202	2SD1450QRSTA	TRANSISTOR		D620	MA165TA	DIODE	
Q203	2SD1450QRSTA	TRANSISTOR		D651	MA4051MTA	DIODE	
Q301	2SC3311AQSTA	TRANSISTOR		D652	MA4047MTA	DIODE	
Q302	2SC3311AQSTA	TRANSISTOR		D653	MA165TA	DIODE	
Q501	2SC3114STU	TRANSISTOR		D701	MA4150MTA	DIODE	
Q502	2SC3114STU	TRANSISTOR		D702	MA4150MTA	DIODE	
Q503	2SA1309AQSTA	TRANSISTOR		D703	MA165TA	DIODE	
Q504	2SA1309AQSTA	TRANSISTOR		D704	MA167TA	DIODE	△
Q505	2SC3311AQSTA	TRANSISTOR		D705	MA167TA	DIODE	△
Q601	2SA1309AQSTA	TRANSISTOR		D707	GP15GLF	DIODE	△
Q602	UN4211TA	TRANSISTOR		D708	GP15GLF	DIODE	△
Q603	UN4211TA	TRANSISTOR		D709	GP15GLF	DIODE	△
Q604	2SC3311AQSTA	TRANSISTOR		D710	GP15GLF	DIODE	△
Q605	UN4211TA	TRANSISTOR		D713	MA4180MTA	DIODE	
Q607	2SC3311AQSTA	TRANSISTOR					
Q609	UN4211TA	TRANSISTOR				VARIABLE RESISTORS	
Q610	UN4211TA	TRANSISTOR					
Q611	UN4111TA	TRANSISTOR		VR301	EW2XAF20C15	V. R. BASS	
Q612	UN4211TA	TRANSISTOR		VR302	EW2XAF20C15	V. R. TREBLE	
Q613	UN4211TA	TRANSISTOR		VR303	EW2Y6AF20C54	V. R. SUPER BASS	
Q614	UN4211TA	TRANSISTOR		VR601	EVQW2F2045B	V. R. MAIN VOLUME	
Q651	2SC3311AQSTA	TRANSISTOR					
Q701	UN4211TA	TRANSISTOR				COMPONENT COMBINATION	
Q702	2SA684QRS	TRANSISTOR	△				
Q703	2SD1762EF	TRANSISTOR	△	Z601	EXFP8331MW	COMPONENT COMBINATION	
Q704	2SB1185EF	TRANSISTOR	△				
		DIODES				COILS	
D301	MA165TA	DIODE		L501	SLQY07G-40	COIL	
D302	MA165TA	DIODE		L502	SLQY07G-40	COIL	(EG)
D303	MA165TA	DIODE		L551	SLQY07G-40	COIL	(EG)
				L552	SLQY07G-40	COIL	(EG)

Ref. No.	Part No.	Part Name & Description	Remarks	Ref. No.	Part No.	Part Name & Description	Remarks
L601	RLQZP101KT-Y	COIL		J605A	SJT30549BB	CONNECTOR (5P)	
L602	RLQZP1R2KT-Y	COIL		J603B	SJS50581BB	SOCKET (5P)	
L603	ELEXT330KA9	COIL		J604B	SJS50581BB	SOCKET (5P)	
L604	ELEXT330KA9	COIL		J605B	SJS50581BB	SOCKET (5P)	
L617	RLQZP101KT-Y	COIL		JK501	SJF5406	SP TERMINAL	
L618	RLQZP101KT-Y	COIL		JK502	SJF3251	SURROUND SPEAKER TERMINAL	
L619	RLQZP101KT-Y	COIL		JK503	SJJ71E	HEADPHONES JACK	
L620	RLQZP101KT-Y	COIL		JK601	RJJ33T01	SYNCHRO, TAPE	
L651	RLQZP101KT-Y	COIL		JK602	RJJ33T01	SYNCHRO, CD	
L699	RLQZP101KT-Y	COIL		JK603	RJJ33T01	SYNCHRO, TURNTABLE	
L751	RLQZP101KT-Y	COIL		JK701	SJS306	CONNECTOR (3P), TO DECK	(E, E5, EB, GN, GC)
L752	ELEXT330KA9	COIL				FUSE HOLDERS	
		OSCILLATORS					
				FC1, 2	SJT388	FUSE HOLDERS	△
X601	EF0GC3004T4	OSCILLATOR		FC3, 4	SJT388	FUSE HOLDERS	△ (E, E5, EG, GC)
		DISPLAY TUBE				TRANSFORMERS	
FL601	RSL0013-F	DISPLAY TUBE		T1	RTP1M5E001-V	POWER TRANSFORMER	△ (E, E5, EG)
				T1	RTP1M5B001-V	POWER TRANSFORMER	△ (EB, GN)
		SWITCHES		T1	RTP1M5G001-V	POWER TRANSFORMER	△ (GC)
S1	ESB8249V	POWER	△			FUSES	
S2	ESE37263	VOLTAGE SELECTOR	△ (GC)				
S601A	SSH1198	SURROUND		F1	XBA2C10TB0	FUSE, 250V T1. 0A	△ (E, E5, EB, EG, GN)
S601	EVQB005R	INPUT SELECTOER, PHONO		F1	XBA2C20TB0	FUSE, 250V T2. 0A	△ (GC)
S602	EVQB005R	INPUT SELECTOER, TUNER		F2	XBA2C20TB0	FUSE, 250V T2. 0A	△ (E, E5, EG)
S603	EVQB005R	INPUT SELECTOER, AUX		F2	XBA2C10TB0	FUSE, 250V T1. 0A	△ (GC)
S604	EVQB005R	INPUT SELECTOER, TAPE					
S607	EVQB005R	BALANCE, L					
S608	EVQB005R	BALANCE, R					
S609	EVQB005R	MUTING					
S610	EVQB005R	INPUT SELECTOER, CD					
		JACKS					
J201	SJT30439MB	CONNECTOR (4P)					
J202	SJT31039MB	CONNECTOR (10P)					
J203	SJS51278JQ	SOCKET (12P)					
J203	SJT31245JQ	CONNECTOR (12P)					
J204	SJT3215	CONNECTOR (2P)					
J301	RJT003K008M	CONNECTOR (8P)					
J301	RJU003K008M	SOCKET (8P)					
J501	SJT30543-V	CONNECTOR (5P)					
J601	RJT003K010M	CONNECTOR (10P)					
J601	RJU003K010M	SOCKET (10P)					
J602	RJT003K010M	CONNECTOR (10P)					
J602	RJU003K010M	SOCKET (10P)					
J701	SJT30843-V	CONNECTOR (8P)					
J603A	SJT30549BB	CONNECTOR (5P)					
J604A	SJT30549BB	CONNECTOR (5P)					

EXPLODED VIEW



Ref. No.	Part No.	Part Name & Description	Remarks	Ref. No.	Part No.	Part Name & Description	Remarks
		CABINET PARTS		42	SJS9231-1B	AC INLET	△ (E, E5, EB, EG, GC)
				42	SJS9234B	AC INLET	△ (GN)
				43	SJS9333B	AC OUTLET	△ (E, E5, EG)
1	RKM0020A-K	CABINET		43	SJS9332B	AC OUTLET	△ (EB)
2	SNE2129-1	SCREWS		43	SJS9232B	AC OUTLET	△ (GC)
3	SUW3123-1	SHIELD PLATE		44	RGL0044	PANEL LIGHT	
4	RMN0015	FL HOLDER		45	RGL0045	PANEL LIGHT	
5	RMN0016	FL HOLDER		46	RYP0088	FRONT PANEL	
6	SJF3068NJ	TERMINAL BOARD (2P)		47	XYN3+C6FZ	SCREW	(GC)
7	SJF3069N	TERMINAL BOARD (4P)				PACKING MATERIAL	
8	SJS306	SOCKET (3P) TO TUNER					
9	SMC1283	SHIELD PLATE		P1	RPG0265	CARTON BOX	(E, E5, EG, GC, GN)
10	SMC6379	SHIELD PLATE		P1	RPG0278	CARTON BOX	(EB)
11	SMN2043	BRACKET		P2	RPNO184	PAD	(E, E5, EG, GC, GN)
12	RGR0013F-A	REAR PANEL	(E)	P2	RPNO164	PAD	(EB)
12	RGR0013F-B	REAR PANEL	(E5)	P3	TUB50RK05W	PROTECTION COVER	
12	RGR0013A-B	REAR PANEL	(EB)	P4	XZB10X30A02	PROTECTION COVER	(E, E5, EG, GC, GN)
12	RGR0013G-A	REAR PANEL	(EG)	P5	SPS5303	ACCESSORIES BOX	(EB)
12	RGR0013J-A	REAR PANEL	(GC)			ACCESSORIES	
12	RGR0013H-A	REAR PANEL	(GN)				
13	RGU0080	SURROUND BUTTON		A1	RQF0181	INSTRUCTIONS MANUAL	(E, E5)
14	RGW0016	TONE KNOB		A1	RQF0268	INSTRUCTIONS MANUAL	(EB)
15	RKA0011	FOOT		A1	RQF0182	INSTRUCTIONS MANUAL	(EG)
16	RMK0038	CHASSIS		A1	RQF0185	INSTRUCTIONS MANUAL	(GC)
17	RJJ33TRO1	TERMINAL BOARD, REMOTE OUT		A1	RQF0183	INSTRUCTIONS MANUAL	(GN)
18	SBC666-1	POWER BUTTON		A2	SFDAC05E03	AC CORD	△ (E, E5, EG)
19	SBN1224	VOLUME KNOB		A2	SJA188	AC CORD	△ (EB)
20	SHE187-2	HOLDER		A2	RJA0004	AC CORD	△ (GC)
21	SJP9205-2Y	SHORTING PIN		A2	SJA190	AC CORD	△ (GN)
22	SJS9231A	AC INLET COVER	(E, E5, EB, EG, GC)	A3	SJP9215	PLUG	△ (GC)
22	SJS9234A	AC INLET COVER	(GN)				
23	SJS9333A	AC OUTLET COVER	(E, E5, EG)				
23	SJS9332A	AC OUTLET COVER	(EB)				
23	SJS9232A	AC OUTLET COVER	(GC)				
24	SNE2123	SCREW (GND)					
25	SNE4021-1	NUT					
26	SUS894	SPRING					
27	XTB3+8JFZ1	SCREW					
28	XTB3+16J	SCREW					
29	XTB3+20JFZ	SCREW					
30	XTB3+8JFZ	SCREW					
31	XTWS3+8T	SCREW					
32	RGU0081	MUTING BUTTON					
33	RGU0091A	DIRECT BUTTON					
34	RGU0092	BALANCE BUTTON					
35	RGU0106A	SELECTOR BUTTON					
36	SGX9036	ORNAMENT					
37	MDN-4RB4MXA	MOTOR					
38	SHE232	FAN					
39	SHE233	FAN CASE					
40	SHE234	CAP					
41	SUS271	SPRING					

Service Manual

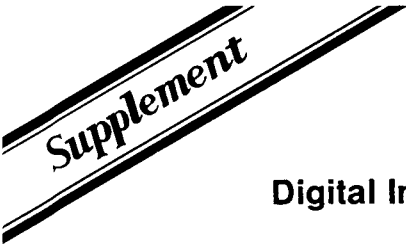
Amplifier

SU-X933

Color

(K)...Black Type

Digital Integrated Amplifier


 Supplement

Area

Country Code	Area	Color
(E), (E5)	Continental Europe	(K)
(EB)	Great Britain	
(EG)	F.R. Germany & Italy	
(GC)	Third Region	
(GN)	New Zealand	

Please file and use this manual together with the service manual for Model No. SU-X933, Order No. AD8904097C8.
This supplement manual contains the list of parts which are changed in order to improve performance of this unit.

CHANGES

Ref. No.	Change of Part No.		Part Name & Description	Remarks
	Original	New		
TRANSISTORS				
Q301, 302	2SC3311AQSTA	2SC3312R	SUPER BASS AMP TRANSISTORS	
RESISTORS & CAPACITORS				
R325, 326	ERDS2TJ152T	ERDS2TJ222	RESISTORS	
R329, 330	ERDS2TJ224T	ERDS2TJ683	RESISTORS	
R331, 332	ERDS2TJ562T	ERDS2TJ223	RESISTORS	
C327, 328	ECFTD473KXL	ECQV1H124JZ3	CAPACITORS	

Technics

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