

Service Manual

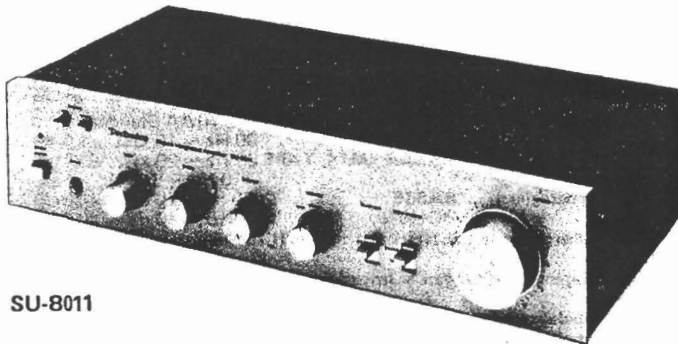
Stereo Integrated Amplifier

SU-8011

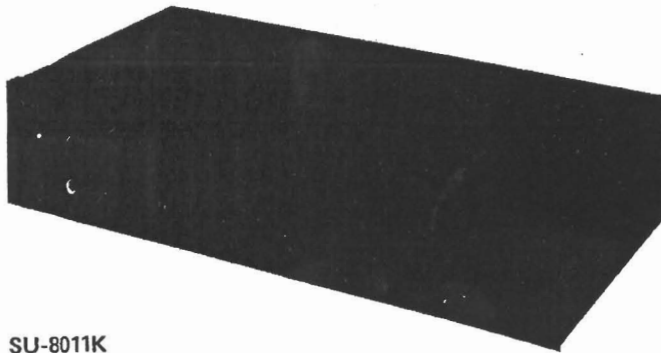
(E), (EG), (XGH), (XGF),
(EB), (XE), (X), (XA), (XAL)

SU-8011K

(E), (EG), (XGH)



SU-8011



SU-8011K

- * The models SU-8011 (E, EG) and SU-8011K (E, EG) are available in Scandinavia and European only.
- * The models SU-8011 (XGH) and SU-8011K (XGH) are available in Holland only.
- * The model SU-8011 (XGF) is available in France only.
- * The model SU-8011 (EB) is available in Belgium only.
- * The model SU-8011 (XE) is available in United Kingdom only.
- * The models SU-8011 (X, XA) are available in Asia, Latin America, Middle East and Africa only.
- * The model SU-8011 (XAL) is available in Australia only.

TECHNICAL SPECIFICATIONS

Specifications are subject to change without notice for further improvement.

[DIN 45 500]

AMPLIFIER SECTION

20 Hz ~ 20 kHz continuous power output both channels driven	2 x 25 W (8Ω)
40 Hz ~ 16 kHz continuous power output both channels driven	2 x 25 W (4Ω), 2 x 25 W (8Ω)
1 kHz continuous power output both channels driven	2 x 27 W (4Ω), 2 x 27 W (8Ω)
Power bandwidth both channels driven, -3 dB	5 Hz ~ 50 kHz (4Ω) 5 Hz ~ 60 kHz (8Ω)
Total harmonic distortion	
rated power at 20 Hz ~ 20 kHz	0.08% (8Ω)
rated power at 40 Hz ~ 16 kHz	0.15% (4Ω), 0.08% (8Ω)
rated power at 1 kHz	0.15% (4Ω), 0.08% (8Ω)
half power at 20 Hz ~ 20 kHz	0.03% (8Ω)
half power at 1 kHz	0.03% (8Ω)
-26 dB power at 1 kHz	0.15% (4Ω)
50mW power at 1 kHz	0.2% (4Ω)
Intermodulation distortion	
rated power at 250 Hz: 8 kHz = 4:1, 4 Ω	0.15%
rated power at 60 Hz: 7 kHz = 4:1, SMPTE, 8 Ω	0.08%
Residual hum & noise	0.6 mV
Damping factor	15 (4Ω), 30 (8Ω)
Input sensitivity and impedance	
PHONO	2.5 mV/47 kΩ
TUNER, AUX	150 mV/27 kΩ
TAPE 1, PLAYBACK	180 mV/33 kΩ
PHONO maximum input voltage (1 kHz, RMS)	100 mV

S/N

rated power at 4Ω PHONO	74 dB (IHF, A: 80 dB)
TUNER, AUX, TAPE	83 dB (IHF, A: 97 dB)
-26 dB power at 4Ω PHONO	62 dB
TUNER, AUX, TAPE	62 dB
50 mW power at 4Ω PHONO	62 dB
TUNER, AUX, TAPE	62 dB
Frequency response PHONO	RIAA standard curve
	30 Hz ~ 15 kHz, ±1.0 dB
TUNER, AUX, TAPE	20 Hz ~ 20 kHz, ±0.8 dB
	10 Hz ~ 50 kHz, -1 dB
Tone controls BASS	50 Hz, +10 dB ~ -10 dB
TREBLE	20 kHz, +10 dB ~ -10 dB
Loudness switch (volume at -30 dB)	50 Hz, +9 dB
Output voltage and impedance REC OUT	150 mV
REC/PLAY	30 mV/82 kΩ
Channel balance (250 Hz ~ 6300 Hz), AUX	±1.0 dB
Channel separation at 1 kHz, AUX	55 dB
Headphones output level and impedance	30 mV/330Ω
Load impedance MAIN or REMOTE	4 ~ 16Ω
MAIN + REMOTE	8 ~ 16Ω

GENERAL

Power consumption	300 W
Power supply (50 Hz/60 Hz)	110V/120V/220V/240V
Dimensions (W x H x D)	430 x 97 x 240 mm (16-29/32" x 3-13/16" x 9-7/16")
Weight	5.1 kg (11.0 lb.)

Technics

Matsushita Electric Trading Co., Ltd.
P.O. Box 288, Centra Osaka Japan

TECHNISCHE DATEN

Spezifikationen können infolge von Verbesserungen ohne Ankündigung geändert werden.

[DIN 45 500]

VERSTÄRKERTEIL

Dauertonleistung bei 20 Hz ~ 20 kHz beide Kanäle zusammen angesteuert	2 x 25 W (8Ω)
Dauertonleistung bei 40 Hz ~ 16 kHz beide Kanäle zusammen angesteuert	2 x 25 W (4Ω) 2 x 25 W (8Ω)
Dauertonleistung bei 1 kHz beide Kanäle zusammen angesteuert	2 x 27 W (4Ω), 2 x 27 W (8Ω)
Leistungsbandbreite beide Kanäle zusammen angesteuert, -3 dB	5 Hz ~ 50 kHz (4Ω) 5 Hz ~ 60 kHz (8Ω)
Harmonische Verzerrungen	
Nennausgangsleistung bei 20 Hz ~ 20 kHz	0,08% (8Ω)
Nennausgangsleistung bei 40 Hz ~ 16 kHz	0,15% (4Ω), 0,08% (8Ω)
Nennausgangsleistung bei 1 kHz	0,15% (4Ω), 0,08% (8Ω)
Halber Ausgangsleistung bei 20 Hz ~ 20 kHz	0,03% (8Ω)
Halber Ausgangsleistung bei 1 kHz	0,03% (8Ω)
-26 dB Ausgangsleistung bei 1 kHz	0,15% (4Ω)
50 mW Ausgangsleistung bei 1 kHz	0,2% (4Ω)
Intermodulationsverzerrung	
Nennausgangsleistung bei 250 Hz: 8 kHz = 4:1, 4Ω	0,15%
Nennausgangsleistung bei 60 Hz: 7 kHz = 4:1, SMPTE 8Ω	0,08%
Brummen & Rauschen	0,6 mV
Dämpfungsfaktor	15 (4Ω), 30 (8Ω)
Eingangsempfindlichkeit & Impedanz	
PHONO	2,5 mV/47 kΩ
TUNER, AUX	150 mV/27 kΩ
TAPE 1, PLAYBACK	180 mV/33 kΩ
PHONO Maximale Eingangsspannungen (1 kHz RMS)	100 mV

Fremdspannungsabstand	
Nennausgangsleistung bei 4 Ω	
PHONO	74 dB (IHF, A: 80 dB)
TUNER, AUX, TAPE	83 dB (IHF, A: 97 dB)
-26 dB Ausgangsleistung bei 4 Ω	
PHONO	62 dB
TUNER, AUX, TAPE	62 dB
50 mW Ausgangsleistung bei 4 Ω	
PHONO	62 dB
TUNER, AUX, TAPE	62 dB
Frequenzgang	PHONO RIAA Standardkurve
	30 Hz ~ 15 kHz, ±1,0 dB
TUNER, AUX, TAPE	20 Hz ~ 20 kHz, ±0,8 dB
	10 Hz ~ 50 kHz, -1 dB
Klangregler	BÄSSE 50 Hz, +10 dB ~ -10 dB
	HÖHEN 20 kHz, +10 dB ~ -10 dB
Gehörgerechte Lautstärkekorrektur (Lautstärke bei -30 dB)	50 Hz, +9 dB
Ausgangsspannungen & Impedanz	REC OUT 150 mV
	REC/PLAY 30 mV/82 kΩ
Kanalabweichung (250 Hz ~ 6300 Hz), AUX	±1,0 dB
Kanaltrennung bei 1 kHz, AUX	55 dB
Kopfhörerpegel und Ausgangsimpedanz	330 mV/330Ω
Lautsprecher-Ausgangsimpedanz	
MAIN oder REMOTE	4 ~ 16Ω
MAIN und REMOTE	8 ~ 16Ω

ALLGEMEINE DATEN

Leistungsaufnahme	300 W
Netzspannung umschaltbar (50 Hz/60 Hz)	110V/120V/220V/240V
Abmessungen (B x H x T)	430 x 97 x 240 mm
Gewicht	5,0 kg

CARACTERISTIQUES TECHIQUES

Sujet à changement sans préavis.

[DIN 45 500]

PARTIE AMPLIFICATEUR

Puissance de sortie continue de 20 Hz ~ 20 kHz les deux canaux en circuit avec distorsion	2 x 25 W (8Ω)
Puissance de sortie continue de 40 Hz ~ 16 kHz les deux canaux en circuit avec distorsion	2 x 25 W (4Ω) 2 x 25 W (8Ω)
Puissance de sortie continue à 1 kHz les deux canaux en circuit avec distorsion	2 x 27 W (4Ω) 2 x 27 W (8Ω)
Largeur de bande de puissance pour l'ensemble des canaux excités, -3 dB	5 Hz ~ 50 kHz (4Ω) 5 Hz ~ 60 kHz (8Ω)
Distorsion harmonique totale	
pour la puissance mesurée à 20 Hz ~ 20 kHz	0,08% (8Ω)
pour la puissance mesurée à 40 Hz ~ 16 kHz	0,15% (4Ω), 0,08% (8Ω)
pour la puissance mesurée à 1 kHz	0,15% (4Ω), 0,08% (8Ω)
pour la demi-puissance mesurée à 20 Hz ~ 20 kHz	0,03% (8Ω)
pour la demi-puissance mesurée à 1 kHz	0,03% (8Ω)
pour une puissance mesurée de -26 dB, 1 kHz	0,15% (4Ω)
pour une puissance mesurée de 50 mW, 1 kHz	0,2% (4Ω)
Distorsion d'intermodulation	
pour la puissance mesurée à 250 Hz: 8 kHz = 4:1, 4Ω	0,15%
pour la puissance mesurée à 60 Hz: 7 kHz = 4:1, 8Ω	0,08%
Tension résiduelle de bruit	0,6 mV
Facteur d'amortissement	15 (4Ω), 30 (8Ω)
Sensibilité & impédance d'entrée	
PHONO	2,5 mV/47 kΩ
TUNER, AUX	150 mV/27 kΩ
TAPE 1, PLAYBACK	180 mV/33 kΩ
Voltage d'entrée maximum (PHONO, 1 kHz, RMS)	100 mV

Report signal/bruit	
pour la puissance nominale, 4 Ω	
PHONO	74 dB (IHF, A: 80 dB)
TUNER, AUX, TAPE	83 dB (IHF, A: 97 dB)
pour une sortie de -26 dB, 4 Ω	
PHONO	62 dB
TUNER, AUX, TAPE	62 dB
pour une sortie de 50 mW, 4 Ω	
PHONO	62 dB
TUNER, AUX, TAPE	62 dB
Réponse de fréquence	
PHONO	Courbe standard R I A A
	30 Hz ~ 15 kHz, ±1,0 dB
TUNER, AUX, TAPE	20 Hz ~ 20 kHz, ±0,8 dB
	10 Hz ~ 50 kHz, -1 dB
Réglage de la tonalité	
BASS (graves)	50 Hz, +10 dB ~ -10 dB
TREBLE (aigus)	20 kHz, +10 dB ~ -10 dB
Correction physiologique (volume à 30 dB)	50 Hz, +9 dB
Tension de sortie & impédance	REC OUT 150 mV
	REC/PLAY 30 mV/82 kΩ
Equilibrage de canaux (250 Hz ~ 6300 Hz), AUX	±1,0 dB
Séparation des canaux AUX 1 kHz	55 dB
Niveau du casque et impédance de sortie	330 mV/330Ω
Impédance de charge	PRINCIPALE ou ELOIGNEE 4 ~ 16Ω
	PRINCIPALE + ELOIGNEE 8 ~ 16Ω

GENERALITES

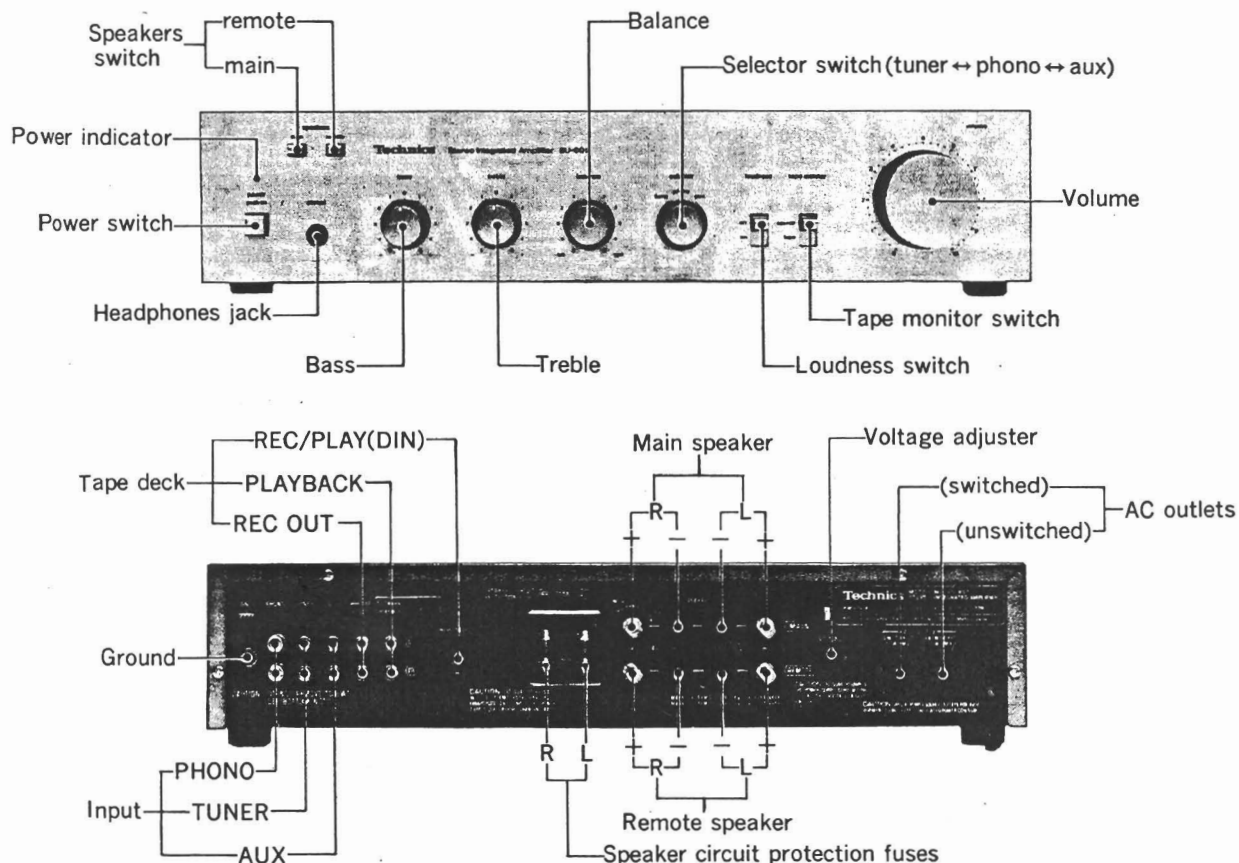
Consommation	300 W
Alimentation (50 Hz/60 Hz)	110V/120V/220V/240V
Dimensions (L x H x Pr)	430 x 97 x 240 mm
Poids	5,0 kg

■ **CONTENTS**

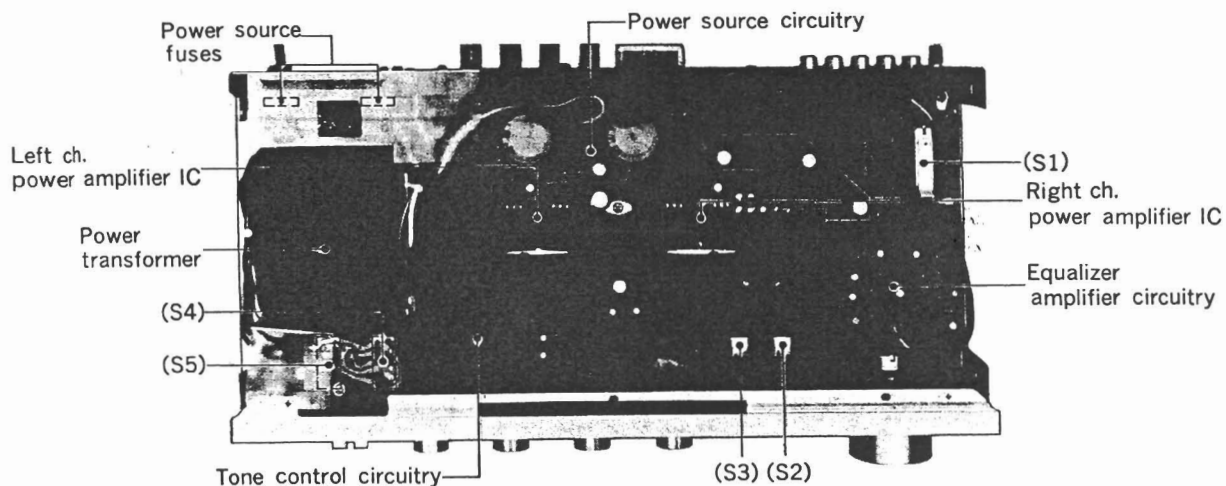
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■ **LOCATION OF CONTROLS**



- * This photo shows only the products for (X) and (XA).
- * The products for other destinations except (X) and (XA) are not equipped with AC outlets.



NOTE

The unit is provided with the speaker circuit protection fuses at the right and left channels respectively. The fuse is to prevent the power IC from destruction, should the speaker terminals be short-circuited. Accordingly, if the unit fails to function upon completion of the speaker connections, check the speaker circuit protection fuses first of all for possible blowing.

HOW TO REMOVE THE CABINET, BOTTOM BOARD AND FRONT PANEL

How to remove the cabinet

1. Remove the 4 setscrews (①~④ in Fig. 1) on the side and 4 setscrews (⑤~⑧ in Fig. 2) on the back of the cabinet.
2. Shift the cabinet backward and lift it upward. (Arrow A in Fig. 1)

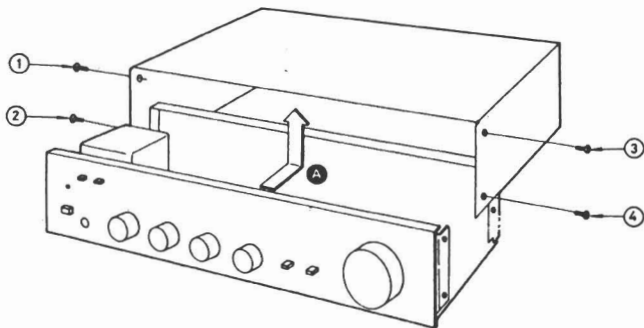


Fig. 1

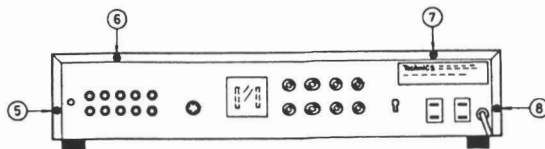


Fig. 2

How to detach the bottom board

1. Remove the 4 setscrews (⑩~⑬ in Fig. 3) used to secure bottom board and 4 setscrews (⑭~⑰ in Fig. 3) for the legs. Then the bottom board can be detached.

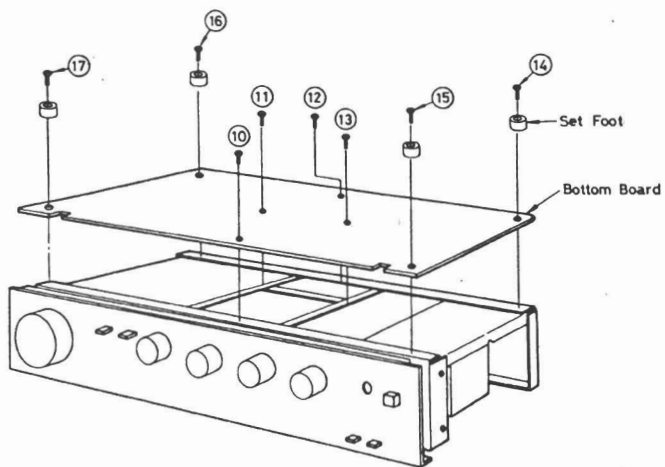


Fig. 3

How to detach the front panel

1. Remove the 4 setscrews (⑱~㉑ in Fig. 4) and then carefully pull the front panel toward you.

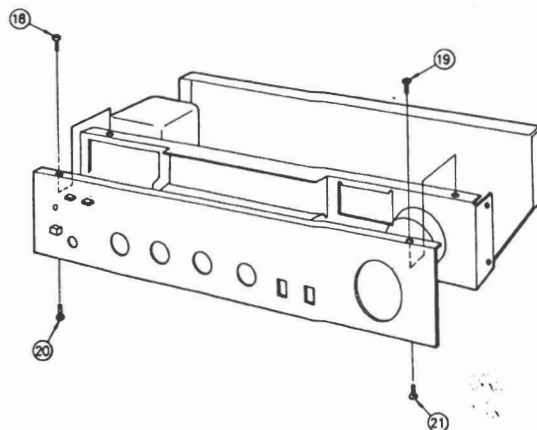
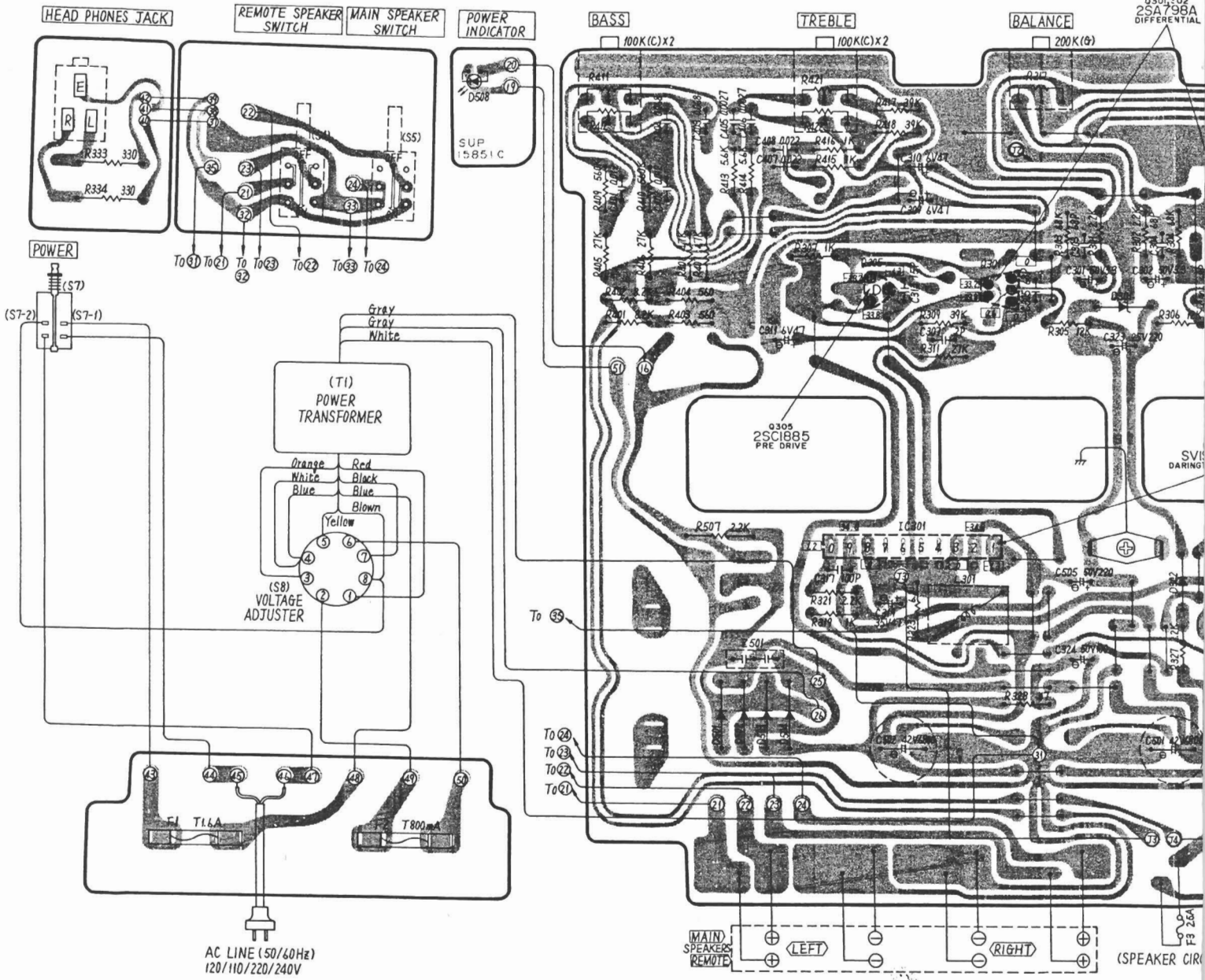
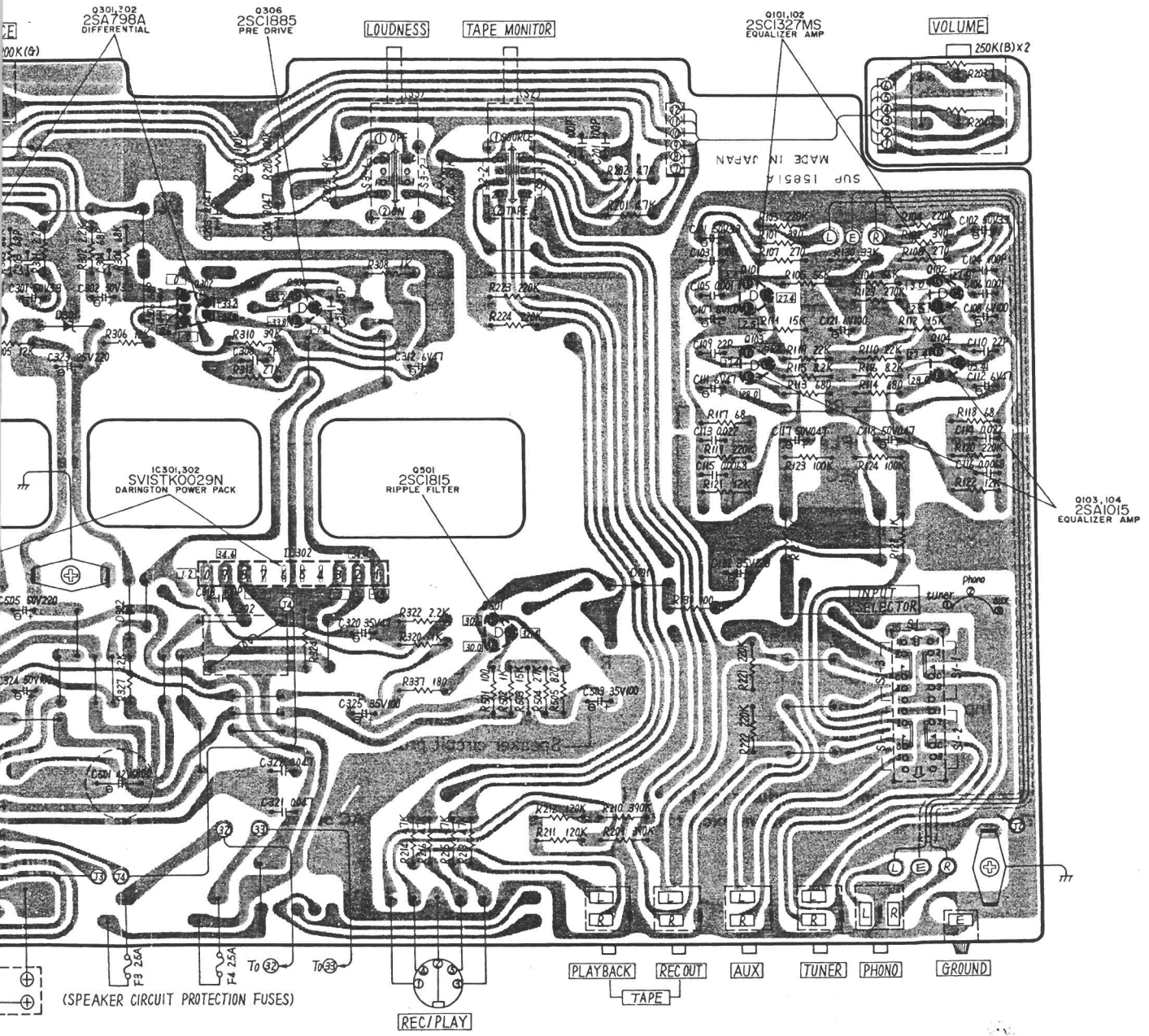


Fig. 4

■ PRINTED CIRCUIT BOARD WIRING VIEW



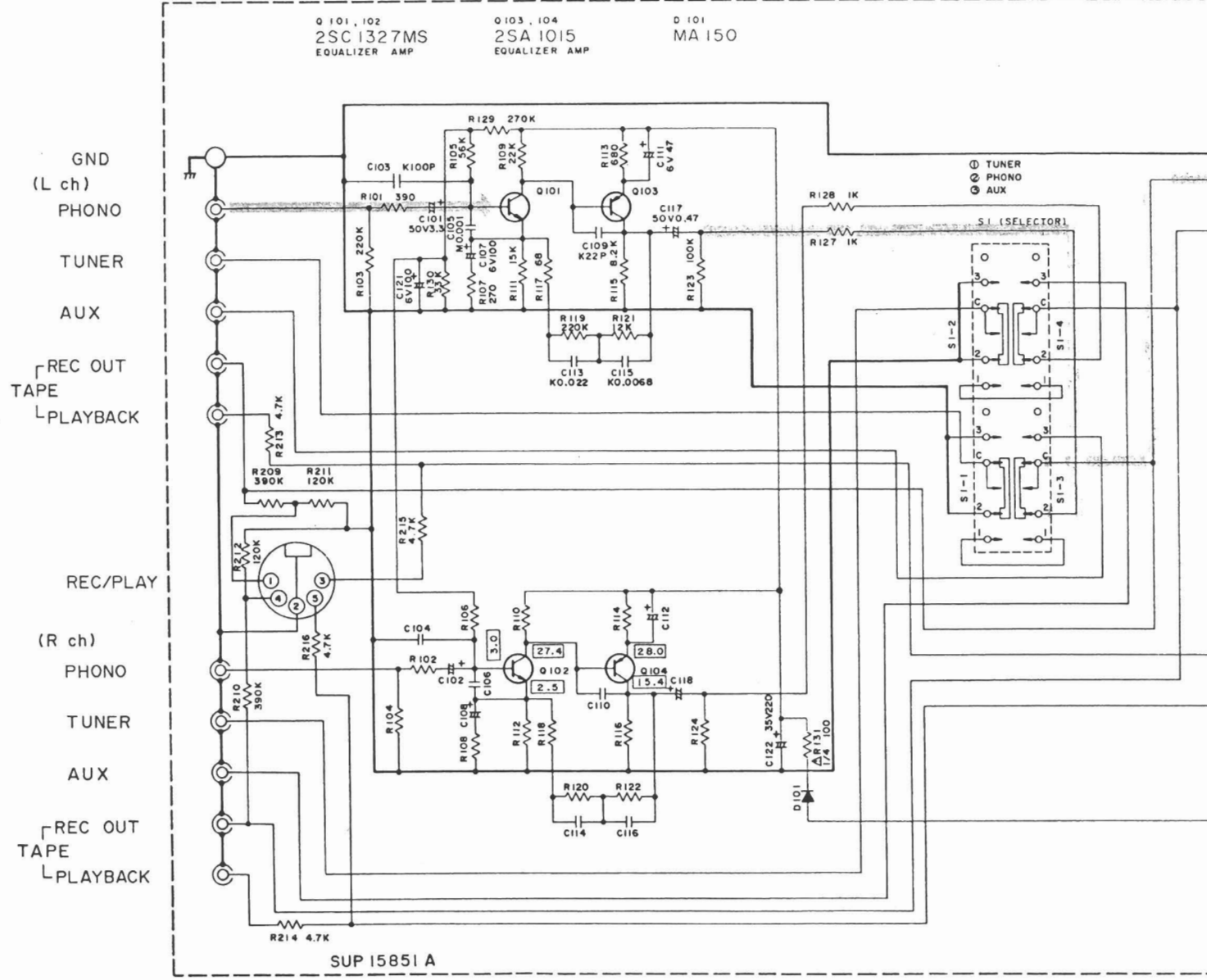
Earth (Ground) Lines



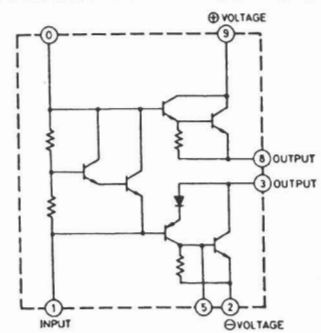
SCHEMATIC DIAGRAM

1 2 3 4 5

A
B
C
D
E
F

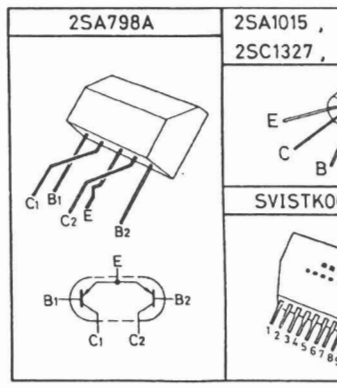


BLOCK DIAGRAM OF INTEGRATED CIRCUIT



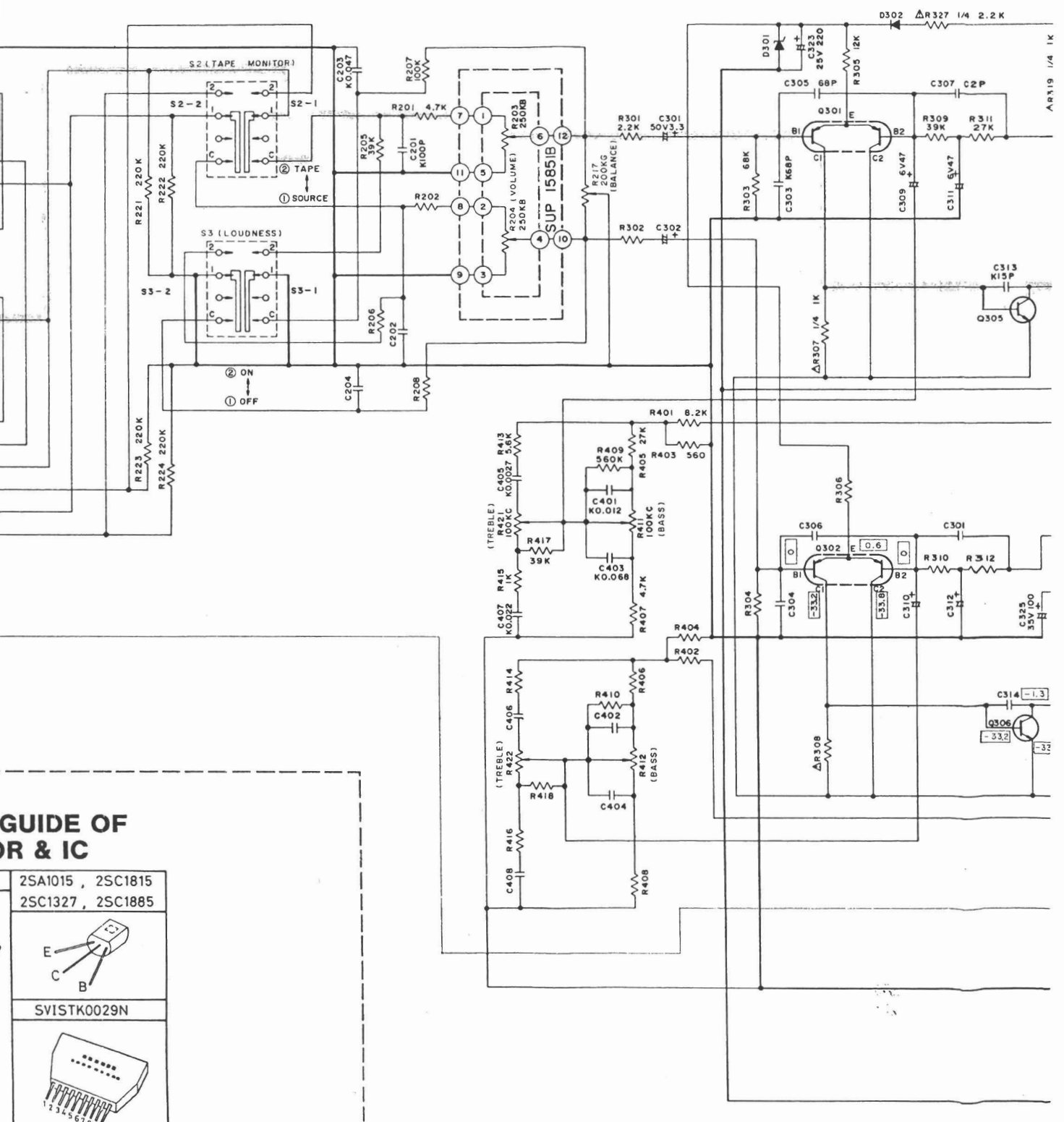
IC301, 302 (SVISTK0029N)
Power Amplifier

TERMINAL GUIDE OF TRANSISTOR & IC



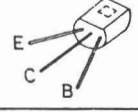
Q301, 302
2SA798A
DIFFERENTIAL

Q305, 306
2SC1885 SVD MZ316B
PRE DRIVE D301

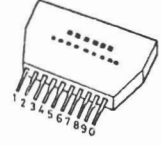


**GUIDE OF
DR & IC**

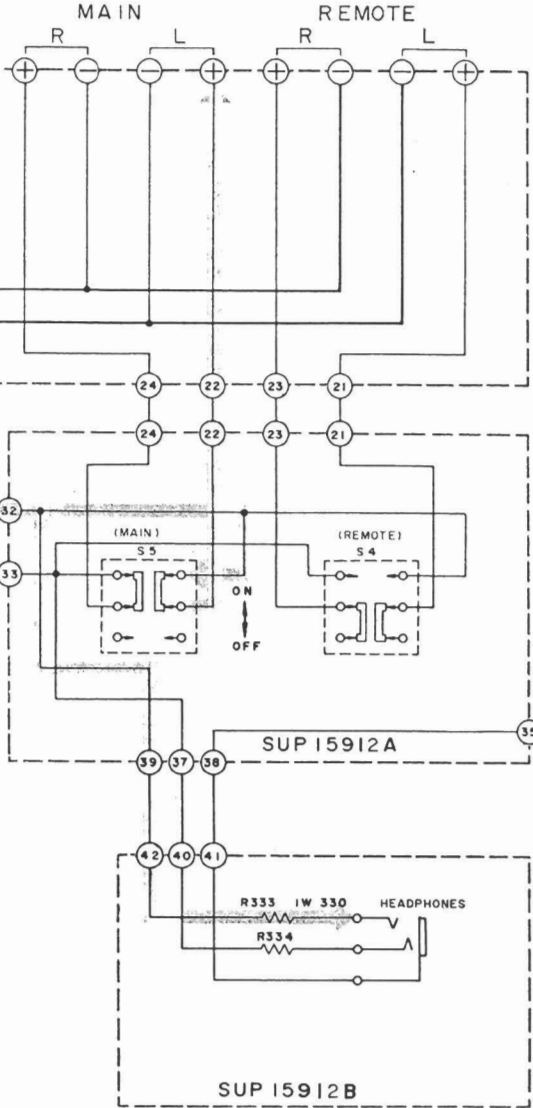
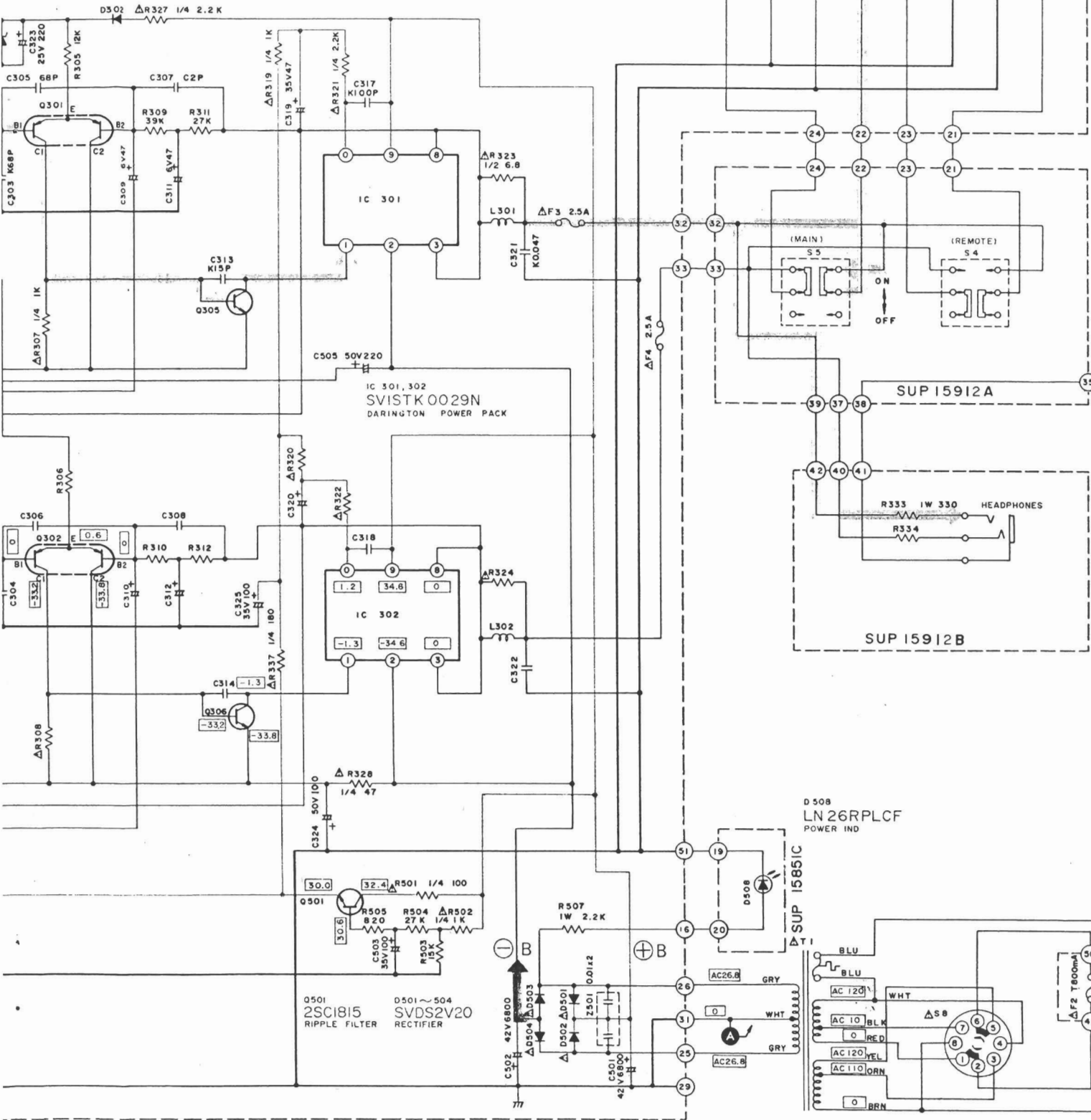
2SA1015, 2SC1815
2SC1327, 2SC1885



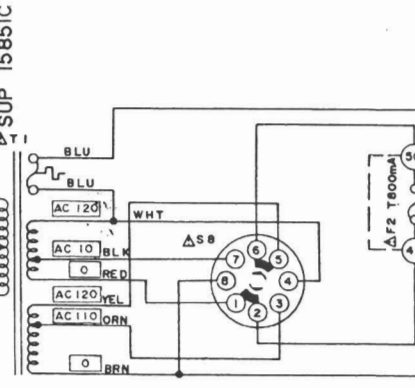
SVISTK0029N

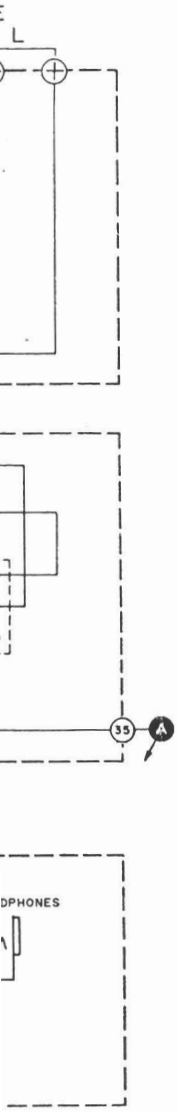


Q305,306 D301 0302
 2SC1885 SVDMZ316B MA 150
 PRE DRIVE



D508
 LN 26RPLCF
 POWER IND

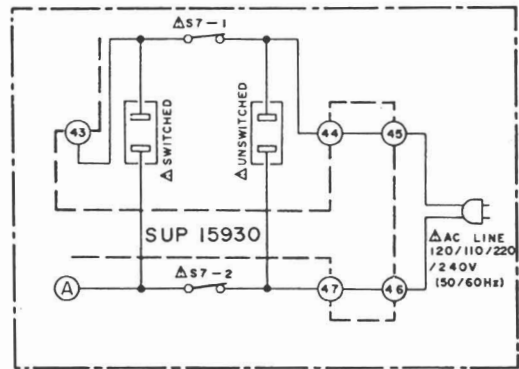




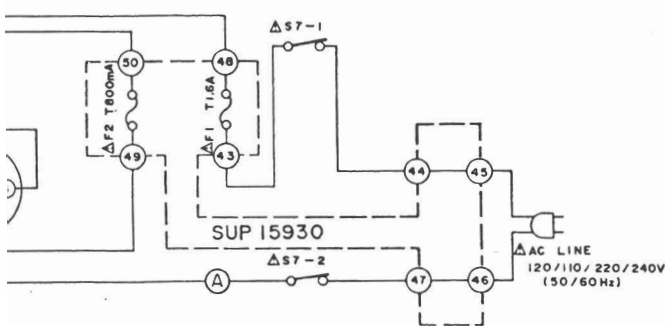
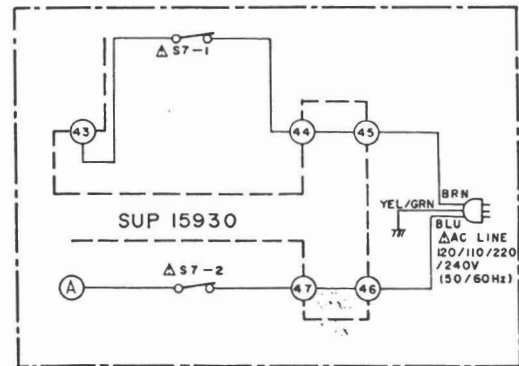
Notes:

1. **S1** : Input selector switch in "PHONO" position.
 ① TUNER ↔ ② PHONO ↔ ③ AUX
2. **S2** : Tape monitor switch in "SOURCE" position.
 ① SOURCE ↔ ② TAPE
3. **S3** : Loudness switch in "OFF" position.
 ① OFF ↔ ② ON
4. **S4** : Remote speaker switch in "OFF" position.
5. **S5** : Main speaker switch in "ON" position.
6. **S7-1, S7-2** : Power switch in "ON" position.
7. **S8** : Voltage adjuster switch in "240V" position.
8. 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.
 □ Standards values
9. The **S** mark has been used for the indication of specified parts for an assurance of safety, but it has been changed to **Δ** mark. When replacing parts, be sure to use parts with correct numbers with reference to the circuit drawing or the repair parts list.
 S → Δ (new mark)
10. To represent transistors, Q is used instead of TR (Ex. TR1 → Q1)
11. Phono signal lines of left channel.
12. This schematic diagram may be modified at any time with the development of new technology.

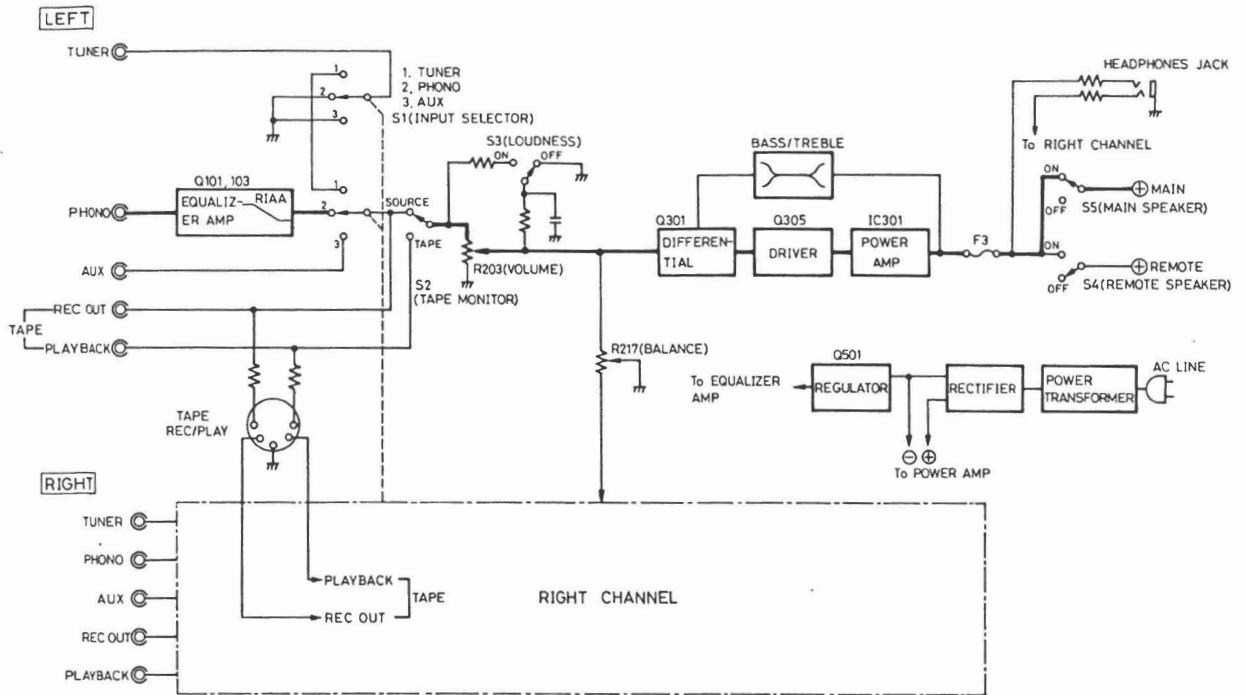
• Power supply circuitry of product for [X] and [XA] only.



• Power supply circuitry of product for [XAL] only.



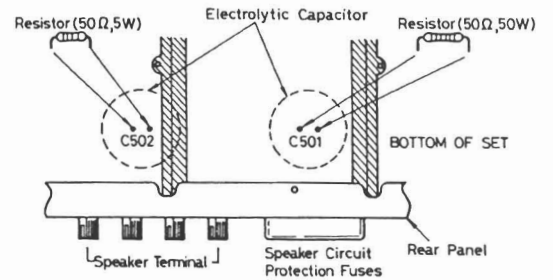
■ BLOCK DIAGRAM



■ BEFORE STARTING THE REPAIRING

Before adjusting or repairing, be sure to short-circuit opposite poles of the 6800 μ F capacitors (C501, 502) with a resistor approximately of "50 Ω , 5W" for discharging the charged voltage.

Short-circuiting with a screw driver and the like is not only dangerous, but may destroy transistors and diodes, and should therefore be avoided.



■ HOW TO REMOVE THE POWER IC

1. Remove the solder of power IC.
2. Remove the 2 setscrews (①, ② in Fig. 5) used to secure the power IC on the heat sink, and then pull the power IC in the direction of arrow A.
3. When mounting the power IC, apply silicone compound (or equivalent heat diffuser) to the back of power IC, and then follow the steps 1 ~ 2 reversely.

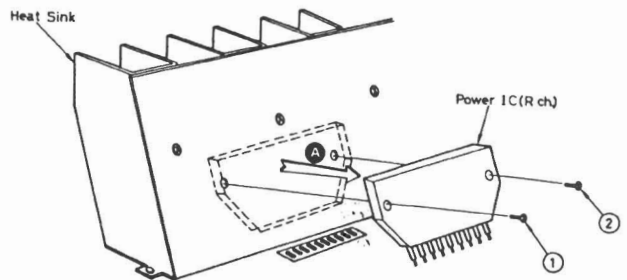


Fig. 5

REPLACEMENT PARTS LIST Cabinet and Chassis Parts

- Notes:** 1. Part numbers are indicated on most mechanical parts.
Please use this part number for parts order.
2. Δ indicates that only parts specified by the manufacturer be used for safety.

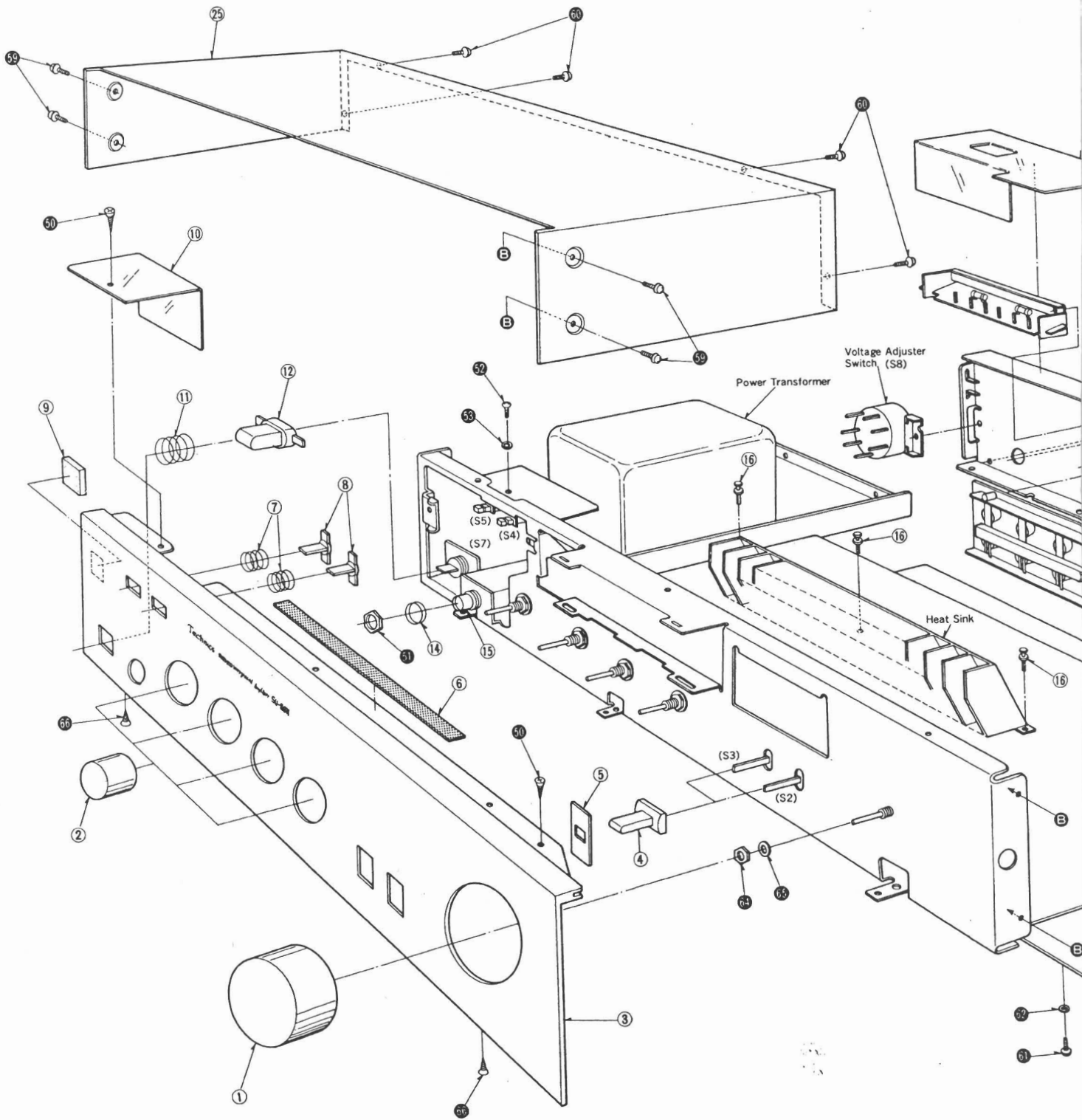
Ref. No.	Part No.	Part Name & Description	Ref. No.	Part No.	Part Name & Description
CABINET and CHASSIS PARTS					
1	SBN813	Knob, Volume Control	24	SHR127	Bushing, AC Cord
2	SBN815	Knob, Bass, Treble, Balance & Input Selector Switch	24 [XE] only	SHR129	Bushing, AC Cord
3	SGWU8011D	Panel, Front Ass'y (Silver)	24 [XAL] only	SHR131	Bushing, AC Cord
4	SBD21	Knob, Loudness, Tape Monitor Switch	25	SKA10671	Cabinet (Silver)
5	SHR5037	Spacer, Loudness, Tape Monitor Switch Knob	26	SYU187-2	Bottom Board
6	SHS6101-1	Fiber, Front Panel	27	SKL225	Foot, Set
7	SUS123-1	Spring, Push Switch	28 [X, XA] only	Δ SJSJA66-1	Socket, AC Outlet
8	SBC211	Button, Speaker Switch	SCREWS and WASHERS		
9	SHR9491	Rubber Cushion, Indicator	①	XTS3+8B	Screw, Front Panel M'tg
10	SMX267	Cover, Power Switch	②	XNSS12	Nut, Headphones Jack M'tg
11	SUS145	Spring, Power Switch	③	XTN3+8B	Screw, Speaker Selector Switch Printed Circuit Board M'tg
12	SBC209	Button, Power Switch	④	XWC3B	Washer, Speaker Selector Switch Printed Circuit Board Screw
14	SNE59-1	Washer, Headphones Jack M'tg	⑤	XTB3+8BFZ	Screw, Terminals, Fuse Cover and Power Fuses Printed Circuit Board M'tg
15	XCJ6P21B-A	Headphones Jack	⑥	XTB3+8BFZ	Screw, Rear Panel M'tg
16	SHR401-1	Latch, Heat Sink M'tg	⑦	XWC3B	Washer, Rear Panel Screw
17	ESA338	Remote Switch, Input Selector	⑧	XSN3+8BFZ	Screw, Voltage Adjuster Switch M'tg
18	SJF3025-3	Terminal, Input	⑨	XWA3BFZ	Washer, Voltage Adjuster Switch Screw
19	SJF8013-1	Terminal, Speakers	⑩	XTB4+8FFN	Screw, Cabinet M'tg
20 [E]	SGP1750-1D	Rear Panel	⑪	XTB3+8BFN	Screw, Cabinet M'tg
20 [XE]	SGP1750-1B	Rear Panel	⑫	XTN3+8B	Screw, Bottom Board M'tg
20 [XGH, XGF, EB, EG]	SGPU8011D	Rear Panel, SGP1750-1D with Name Plate (SGT20230)	⑬	XWG3	Washer, Bottom Board Screw
20 [X, XA]	SGP1750-2A	Rear Panel	⑭	XTB3+10BFZ	Screw, Set Feet M'tg
20 [XAL]	SGPU8011L	Rear Panel, SGP1750-3D with Name Plate (SGT19330)	⑮	XNS8	Nut, Volume, Selector, Balance, Treble & Bass M'tg
21	SUV337	Cover, Speaker Terminal	⑯	XWV8	Washer, Volume, Selector, Balance, Treble & Bass Nut
22	SMX269	Cover, Power Fuses	⑰	XTB3+8BFZ	Screw, Front Panel M'tg
23 [E, XGH, XGF, EB, EG]	Δ RJA23ZC	AC Cord, with Plug	⑱		
23 [XE]	Δ RJA45ZC	AC Cord			
23 [X, XA]	Δ SJA111	AC Cord, with Plug			
23 [XAL]	Δ QFC1207M	AC Cord, with Plug			

REPLACEMENT PARTS LIST Electric Parts

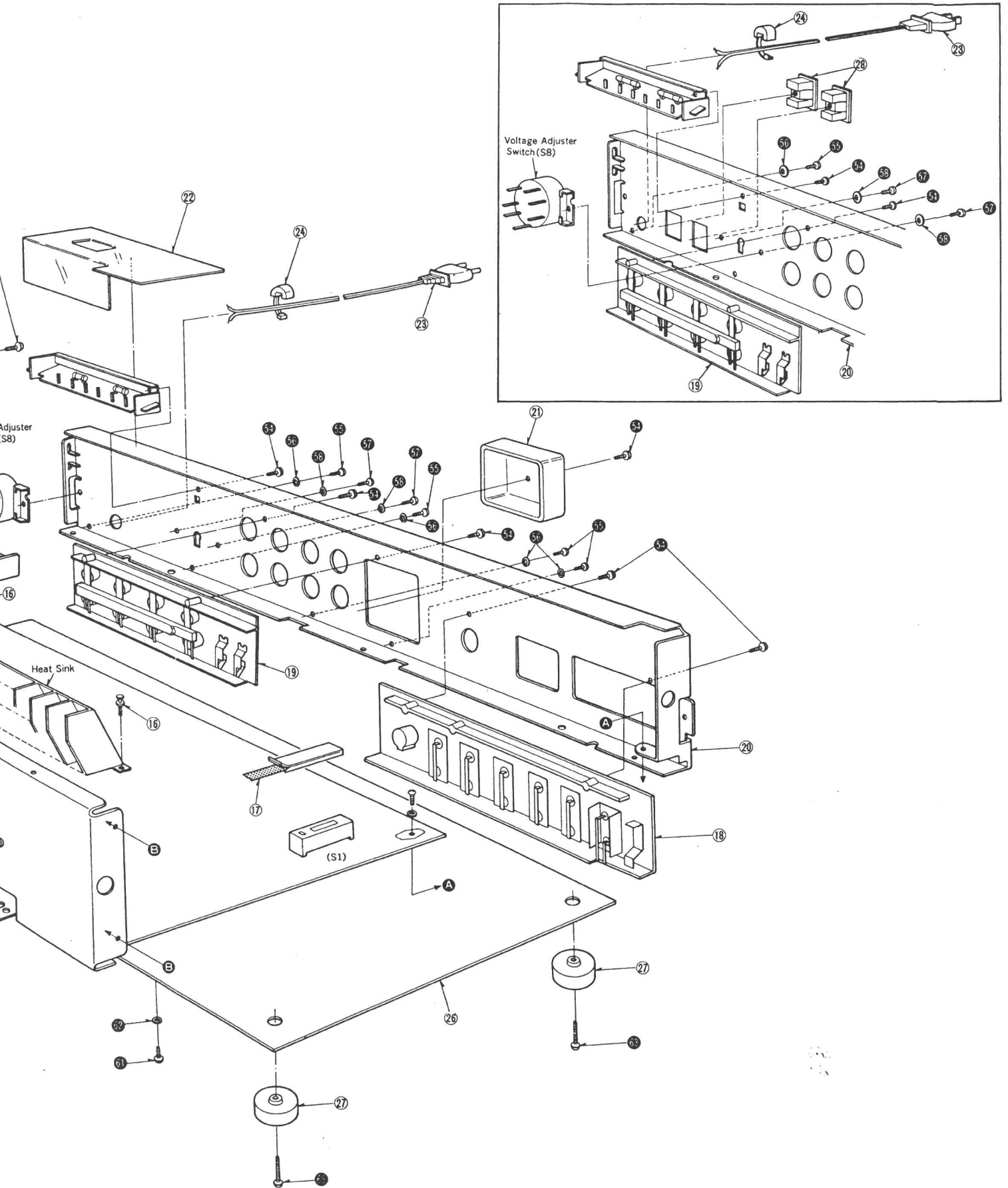
- Notes:** 1. Part numbers are indicated on most mechanical parts.
Please use this part number for parts order.
2. Δ indicates that only parts specified by this manufacturer be used for safety.

Ref. No.	Part No.	Part Name & Description	Ref. No.	Part No.	Part Name & Description
INTEGRATED CIRCUITS					
IC301, 302	SVISTK0029N	IC, Darlington Power Pack	SWITCHES		
TRANSISTORS					
Q101, 102	2SC1328-T	Transistor, Equalizer Amplifier	S1	ESA2691	Switch, Input Selector
Q103, 104	2SA1015L-O	Transistor, Equalizer Amplifier (Use in ranks Y or O)	S2, 3	SSL121	Switch, Tape Monitor & Loudness
Q301, 302	2SA798A-G2	Transistor, Differential Amplifier	S4, 5	SSH263	Switch, Speakers Selector
Q305, 306	2SC1885-R	Transistor, Pre Drive (Use in ranks Q, R or S)	S7	ESB70133	Switch, Power
Q501	2SC1815L-B	Transistor, Ripple Filter (Use in ranks B or G)	S8	ESE37200	Switch, Voltage Adjuster
DIODES					
D101, 302	MA150	Diode, Bias	VARIABLE RESISTORS		
D301	SVDMZ316B	Diode, Zener 16V	R203, 204	EW6LA031BF5	Volume Control, 250k Ω (B)
D501, 502, 503, 504	Δ SVDS2V20	Rectifier	R217	EVHFDA505G25	Balance Control, 200k Ω (G)
D508	LN26RPL	Diode, Power Indicator	R411, 412, 421, 422	EWKGA091C15	Bass & Treble Control, 100k Ω (C)
COILS and TRANSFORMER					
L301, 302	SLQY15G-3P	Coil, Choke	RESISTORS		
T1	Δ SLT5M89	Transformer, Power	R101, 102	ERD25TJ391	Carbon, 390 Ω , 1/4W, \pm 5%
COMPONENT COMBINATION					
Z501	EXRFS203ZS	Component Combination, 0.01 μ F (X2)	R103, 104	ERD25TJ224	Carbon, 220k Ω , 1/4W, \pm 5%
FUSES					
F1	Δ XBA2C16TR0	Fuse, T1.6A (250V) P.T. Primary	R105, 106	ERD25TJ563	Carbon, 56k Ω , 1/4W, \pm 5%
F2	Δ XBA2C08TR0	Fuse, T800mA (250V) P.T. Primary	R107, 108	ERD25TJ271	Carbon, 270 Ω , 1/4W, \pm 5%
F3, 4	Δ XBA2C25SS0	Fuse, 2.5A (250V) Speaker Circuit	R109, 110	ERD25TJ223	Carbon, 22k Ω , 1/4W, \pm 5%
			R111, 112	ERD25TJ153	Carbon, 15k Ω , 1/4W, \pm 5%
			R113, 114	ERD25TJ681	Carbon, 680 Ω , 1/4W, \pm 5%
			R115, 116	ERD25TJ822	Carbon, 8.2k Ω , 1/4W, \pm 5%
			R117, 118	ERD25TJ680	Carbon, 68 Ω , 1/4W, \pm 5%
			R119, 120	ERD25TJ224	Carbon, 220k Ω , 1/4W, \pm 5%
			R121, 122	ERD25TJ123	Carbon, 12k Ω , 1/4W, \pm 5%
			R123, 124	ERD25TJ104	Carbon, 100k Ω , 1/4W, \pm 5%
			R127, 128	ERD25TJ102	Carbon, 1k Ω , 1/4W, \pm 5%
			R129	ERD25TJ274	Carbon, 270k Ω , 1/4W, \pm 5%
			R130	ERD25TJ333	Carbon, 33k Ω , 1/4W, \pm 5%
			R131	Δ ERD25FJ101	Carbon, 100 Ω , 1/4W, \pm 5%
			R201, 202	ERD25TJ472	Carbon, 4.7k Ω , 1/4W, \pm 5%
			R205, 206	ERD25TJ393	Carbon, 39k Ω , 1/4W, \pm 5%
			R207, 208	ERD25TJ104	Carbon, 100k Ω , 1/4W, \pm 5%
			R209, 210	ERD25TJ394	Carbon, 390k Ω , 1/4W, \pm 5%
			R211, 212	ERD25TJ124	Carbon, 120k Ω , 1/4W, \pm 5%

EXPLODED VIEWS



• Available in [X] and [XA] only



Ref. No.	Part No.	Part Name & Description	Ref. No.	Part No.	Part Name & Description
R213, 214	ERD25TJ472	Carbon, 4.7kΩ, 1/4W, ± 5%	C122	ECEA1VS221	Electrolytic, 220μF, 35V
R215, 216	ERD25TJ472	Carbon, 4.7kΩ, 1/4W, ± 5%	C201, 202	ECCD1H101K	Ceramic, 100pF, 50V, ±10%
R221, 222	ERD25TJ224	Carbon, 220kΩ, 1/4W, ± 5%	C203, 204	ECQM1H473KZ	Polyester, 0.047μF, 50V, ±10%
R223, 224	ERD25TJ224	Carbon, 220kΩ, 1/4W, ± 5%	C301, 302	ECEA50Z3R3	Electrolytic, 3.3μF, 50V
R301, 302	ERD25TJ222	Carbon, 2.2kΩ, 1/4W, ± 5%	C303, 304	ECCD1H680K	Ceramic, 68pF, 50V, ±10%
R303, 304	ERD25TJ683	Carbon, 68kΩ, 1/4W, ± 5%	C305, 306	ECCD1H680K	Ceramic, 68pF, 50V, ±10%
R305, 306	ERD25TJ123	Carbon, 12kΩ, 1/4W, ± 5%	C307, 308	ECCD1H020C	Ceramic, 2pF, 50V, ±0.25pF
R307, 308	ERD25FJ102	Carbon, 1kΩ, 1/4W, ± 5%	C309, 310	ECEA1AS470	Electrolytic, 47μF, 10V
R309, 310	ERD25TJ393	Carbon, 39kΩ, 1/4W, ± 5%	C311, 312	ECEA1AS470	Electrolytic, 47μF, 10V
R311, 312	ERD25TJ273	Carbon, 27kΩ, 1/4W, ± 5%	C313, 314	ECCD2H150K	Ceramic, 15pF, 500V, ±10%
R319, 320	ERD25FJ102	Carbon, 1kΩ, 1/4W, ± 5%	C317, 318	ECCD2H101K	Ceramic, 100pF, 500V, ±10%
R321, 322	ERD25FJ222	Carbon, 2.2kΩ, 1/4W, ± 5%	C319, 320	ECEA1HS470	Electrolytic, 47μF, 50V
R323, 324	ERD50FJ6R8	Carbon, 6.8Ω, 1/2W, ± 5%	C321, 322	ECQM1H473KZ	Polyester, 0.047μF, 50V, ±10%
R327	ERD25FJ222	Carbon, 2.2kΩ, 1/4W, ± 5%	C323	ECEA1ES221	Electrolytic, 220μF, 25V
R328	ERD25FJ470	Carbon, 47kΩ, 1/4W, ± 5%	C324	ECEA1HS101	Electrolytic, 100μF, 50V
R333, 334	ERGI1ANJ331	Metal Oxide, 330Ω, 1W, ± 5%	C325	ECEA1VS101	Electrolytic, 100μF, 35V
R337	ERD25FJ181	Carbon, 180Ω, 1/4W, ± 5%	C401, 402	ECQM1H123KZ	Polyester, 0.012μF, 50V, ±10%
R401, 402	ERD25TJ822	Carbon, 8.2kΩ, 1/4W, ± 5%	C403, 404	ECQM1H683KZ	Polyester, 0.068μF, 50V, ±10%
R403, 404	ERD25TJ561	Carbon, 560Ω, 1/4W, ± 5%	C405, 406	ECQM1H272KZ	Polyester, 0.0027μF, 50V, ±10%
R405, 406	ERD25TJ273	Carbon, 27kΩ, 1/4W, ± 5%	C407, 408	ECQM1H223KZ	Polyester, 0.022μF, 50V, ±10%
R407, 408	ERD25TJ472	Carbon, 4.7kΩ, 1/4W, ± 5%	C501, 502	ECET42R682S	Electrolytic, 6800μF, 42V
R409, 410	ERD25TJ564	Carbon, 560kΩ, 1/4W, ± 5%	C503	ECEA1VS101	Electrolytic, 100μF, 35V
R413, 414	ERD25TJ562	Carbon, 5.6kΩ, 1/4W, ± 5%	C505	ECEA1HS221	Electrolytic, 220μF, 50V
R415, 416	ERD25TJ102	Carbon, 1kΩ, 1/4W, ± 5%	ACCESSORIES		
R417, 418	ERD25TJ393	Carbon, 39kΩ, 1/4W, ± 5%	A1	XBA2C25SS0	Fuse, 2.5A (250V) Speaker Circuit
R501	ERD25FJ101	Carbon, 100Ω, 1/4W, ± 5%	A2 [X, XA] only	SJP5213-1	Plug Adapter, AC Power
R502	ERD25FJ102	Carbon, 1kΩ, 1/4W, ± 5%	A3 [X, XA] only	SJP5215	Plug Adapter, AC Power
R503	ERD25TJ153	Carbon, 15kΩ, 1/4W, ± 5%	PACKING PARTS		
R504	ERD25TJ273	Carbon, 27kΩ, 1/4W, ± 5%	P1	SPP501	Polyethylene Bag
R505	ERD25TJ821	Carbon, 820Ω, 1/4W, ± 5%	P2	SPS2177	Pad, Left Side
R507	ERGI1ANJ222	Metal Oxide, 2.2kΩ, 1W, ± 5%	P2 [XAL] only	SPS2177-1	Pad, Left Side
CAPACITORS			P3	SPS2179	Pad, Right Side
C101, 102	ECEA50M3R3R	Electrolytic, 3.3μF, 50V	P3 [XAL] only	SPS2179-1	Pad, Right Side
C103, 104	ECCD1H101K	Ceramic, 100pF, 50V, ±10%	P4 [E]	SPG1931	Carton Box
C105, 106	ECCD1H102MD	Ceramic, 0.001μF, 50V, ±20%	P4 [XE, X, XA XGH, EB, EG]	SPG1933	Carton Box
C107, 108	ECEA1AS101	Electrolytic, 100μF, 10V	P4 [XAL]	SPG1935	Carton Box
C109, 110	ECCD1H220K	Ceramic, 22pF, 50V, ±10%	P4 [XGF]	SPG1937	Carton Box
C111, 112	ECEA1AS470	Electrolytic, 47μF, 10V	P5 [E, XGH, XGF, EB, EG]	SQF10139	Instructions Book, Printed Mater
C113, 114	ECQM1H223KZ	Polyester, 0.022μF, 50V, ±10%	P5 [XE, X, XA, XAL]	SQF10141	Instructions Book, Printed Mater
C115, 116	ECQM1H682KZ	Polyester, 0.0068μF, 50V, ±10%			
C117, 118	ECEA50MR47	Electrolytic, 0.47μF, 50V			
C121	ECEA1AS101	Electrolytic, 100μF, 10V			

Notes: (E) and (EG) are available in Scandinavia and European only. (XE) is available in United Kingdom only.
 (XGH) is available in Holland only. (X) and (XA) are available in Asia, Latin America, Middle East and Africa only.
 (XGF) is available in France only. (XAL) is available in Australia only.
 (EB) is available in Belgium only.

CHANGE OF PARTS LIST

SU-8011K

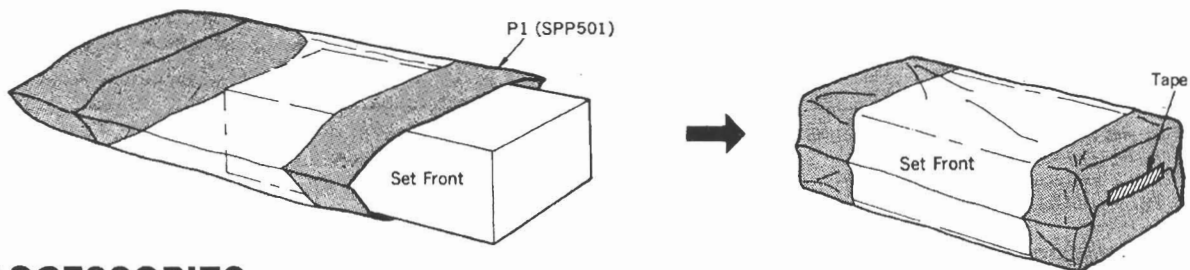
(E), (EG), (XGH)

Note: This parts list included only the change of the model SU-8011 parts list.

Ref. No.	Change of Part No.		Part Name & Description
	SU-8011	SU-8011K	
CABINET and CHASSIS PARTS			
1	SBN813	SBN833	Knob, Volume Control
2	SBN815	SBN835	Knob, Bass, Treble, Balance & Input Selector
3	SGWU8011D	SGWU8011KD	Panel, Front Ass'y (Black)
4	SBD21	SBD21-1	Knob, Loudness, Tape Monitor Switch
5	SHR5037	SHR5037-1	Spacer, Loudness, Tape Monitor Switch Knob
8	SBC211	SBC211-1	Button, Speaker Switch
12	SBC209	SBC209-1	Button, Power Switch
20	SGP1750-1D [E]	SGP1750-1C [E]	Rear Panel
	SGPU8011D [XGH, XGF, EB, EG]		
	SGP1750-2A [X, XA]	SGPU8011KK [EG, XGH]	Rear Panel, SGP1750-1C with Name Plate (SGT20130)
	SGPU8011L [XAL]		
	SGP1750-1B [XE]		

Ref. No.	Change of Part No.		Part Name & Description
	SU-8011	SU-8011K	
23	RJA23ZC [E, XGH, XGF, EB, EG]	RJA23ZC	AC Cord, with Plug
	RJA45ZC [XE]		
	SJA111 [X, XA]		
	QFC1207M [XAL]		
24	SHR127	SHR127	Bushing, AC Cord
	SHR129 [XE] only		
	SHR131 [XAL] only		
25	SKA10671	SKA10673	Cabinet (Black)
SCREWS and WASHERS			
59	XTB4+8FFN	XTB4+8FFZ	Screw, Cabinet M'tg
60	XTB3+8BFN	XTB3+8BFZ	Screw, Cabinet M'tg
PACKING PARTS			
P2	SPS2177	SPS2177	Pad, Left Side
	SPS2177-1 [XAL] only		
P3	SPS2179	SPS2179	Pad, Right Side
	SPS2179-1 [XAL] only		
P4	SPG1931 [E]	SPG2057	Carton Box
	SPG1933 [XE, X, XA, XGH, EB, EG]		
	SPG1935 [XAL]		
	SPG1937 [XGF]		
P5	SQF10139 [E, XGH, XGF, EB, EG]	SQF10139	Instructions Book, Printed Matter
	SQF10141 [XE, X, XA, XAL]		

PACKINGS



ACCESSORIES

