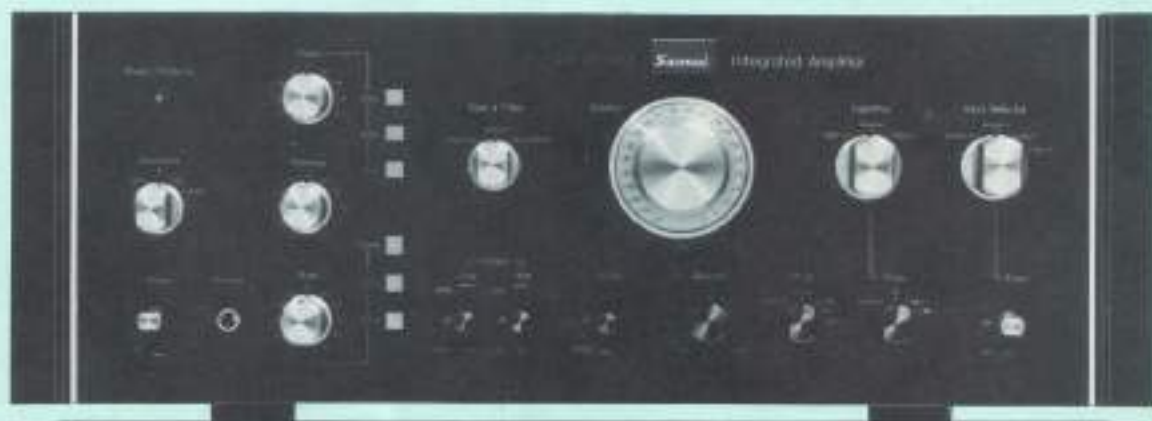


SERVICE MANUAL

INTEGRATED STEREO AMPLIFIER

SANSUI AU-9900A/11000A



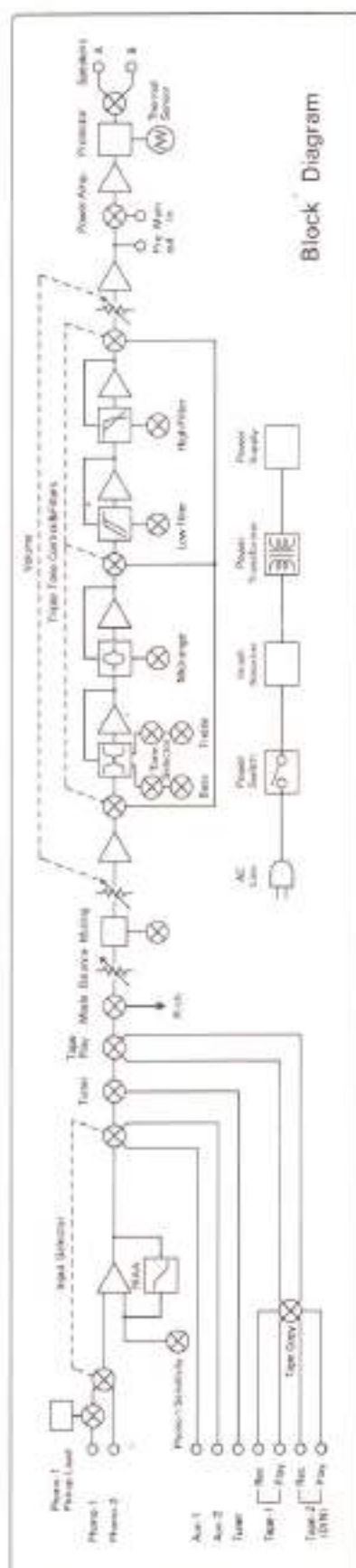
Sansui

SANSUI ELECTRIC CO., LTD.

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1. BLOCK DIAGRAM



2. SPECIFICATIONS

POWER OUTPUT

Min. RMS, both channels driven, from 20 to 20,000 Hz, with no more than 0.05% total harmonic distortion

AU-9900A	80 watts per channel into 8 ohms
	80 watts per channel into 4 ohms
	Min. RMS, both channels driven, at 1,000 Hz with no more than 0.05% total harmonic distortion
	80 watts per channel into 8 ohms
AU-11000A	80 watts per channel into 4 ohms
	110 watts per channel into 8 ohms
	110 watts per channel into 4 ohms
	Min. RMS, both channels driven at 1,000 Hz, with no more than 0.05% total harmonic distortion
	110 watts per channel into 8 ohms
	110 watts per channel into 4 ohms

LOAD IMPEDANCE 4.8 ohms (SYSTEM-A or B)
8 ohms (SYSTEM A + B)

POWER BANDWIDTH 20 to 20,000 Hz at or below rated min. RMS power output and total harmonic distortion

TOTAL HARMONIC DISTORTION less than 0.05% at or below rated min. RMS power output

INTERMODULATION DISTORTION (70Hz : 7kHz = 4:1 SMPTE method) less than 0.05%

FREQUENCY RESPONSE (at 1 watt) 5 to 80,000 Hz ± 1.5 dB

DAMPING FACTOR approximately 70 at 8 ohm load

RIAA CURVE DEVIATION (PHONO) ± 0.2 dB, -0.2 dB
(30 Hz to 15 kHz)

INPUT SENSITIVITY AND IMPEDANCE

(1 kHz, for rated power output)

PHONO-1 2, 4, 8 mV/30, 50, 100 kilohms
(Max. input capability: 1,000 mV at 1 kHz, less than 0.1% total harmonic distortion and PHONO-1 SENSITIVITY switch at 8 mV)

PHONO-2 2 mV/50 kilohms
(Max. input capability: 250 mV at 1 kHz, less than 0.1% total harmonic distortion)

AUX-1, 2 TAPE 150 mV/50 kilohms

OUTPUT LEVEL (1,000 Hz)

TAPE-1, 2 REC (pin jacks) 150 mV/560 ohms

TAPE-2 REC/PLAY (DIN socket) 30 mV/70 kilohms

PRE OUT 1 V/560 ohms

CHANNEL SEPARATION (1 kHz, at rated power output)

PHONO-1, 2 better than 60dB

AUX-1, 2 better than 60dB

HUM AND NOISE (short-circuit, A-network)

PHONO-1 75dB (PHONO-1 SENSITIVITY Switch at 4 mV)

AUX-1, 2 better than 90 dB

CONTROLS

BASS ± 10 dB (30 Hz)

Tone selector (turnover frequency) 150, 300, 600 Hz

MIDRANGE ± 5 dB (1 kHz)

TREBLE ± 10 dB (20 kHz)

Tone selector (turnover frequency) 2, 4, 8 kHz

LOW FILTER -3 dB (20, 60 Hz), 12dB/oct.

HIGH FILTER -3 dB (7 kHz), 6dB/oct.

..... -3 dB (12 kHz), 12dB/oct.

MUTING -20 dB

POWER REQUIREMENTS

POWER VOLTAGE 100, 120, 220, 240V (50/60Hz)
120V (Usable 110-130V)
60Hz (for U.S.A. & Canada only)

POWER CONSUMPTION

Maximum consumption

AU-9900A 665 watts

AU-11000A 915 watts

Rated consumption

AU-9900A 340 watts 435 VA

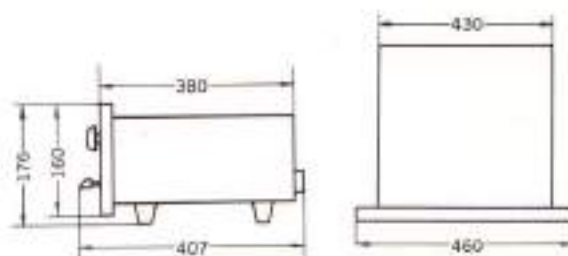
AU-11000A 480 watts 605 VA

DIMENSIONS 460 mm (18 1/8") W
176 mm (6 15/16") H
407 mm (16 1/16") D

WEIGHT

AU-9900A { 17.6 kg (38.8 lbs) net
..... 19.7 kg (43.4 lbs) packed

AU-11000A { 19.2 kg (42.3 lbs) net
..... 21.3 kg (47.0 lbs) packed



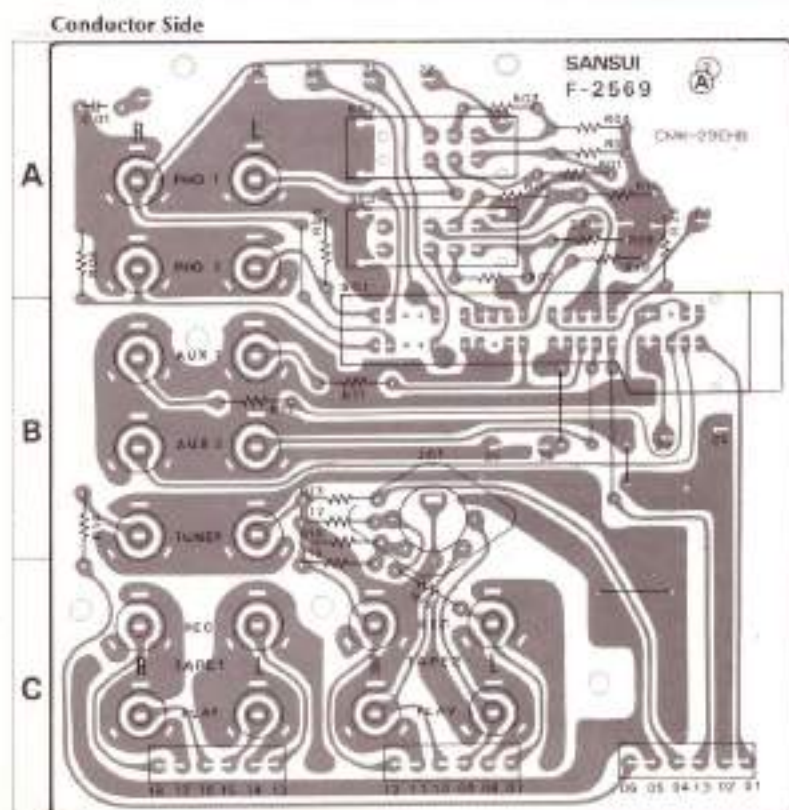
* Design and specifications subject to change without notice for improvements.

* In order to simplify the explanation illustrations may sometimes differ from the originals.

3. PARTS LOCATION & PARTS LIST

3-1. F-2569 Input Terminal & Switch Circuit Board

AU-9900A (Stock No. 7594631) AU-11000A (Stock No. 7594731)



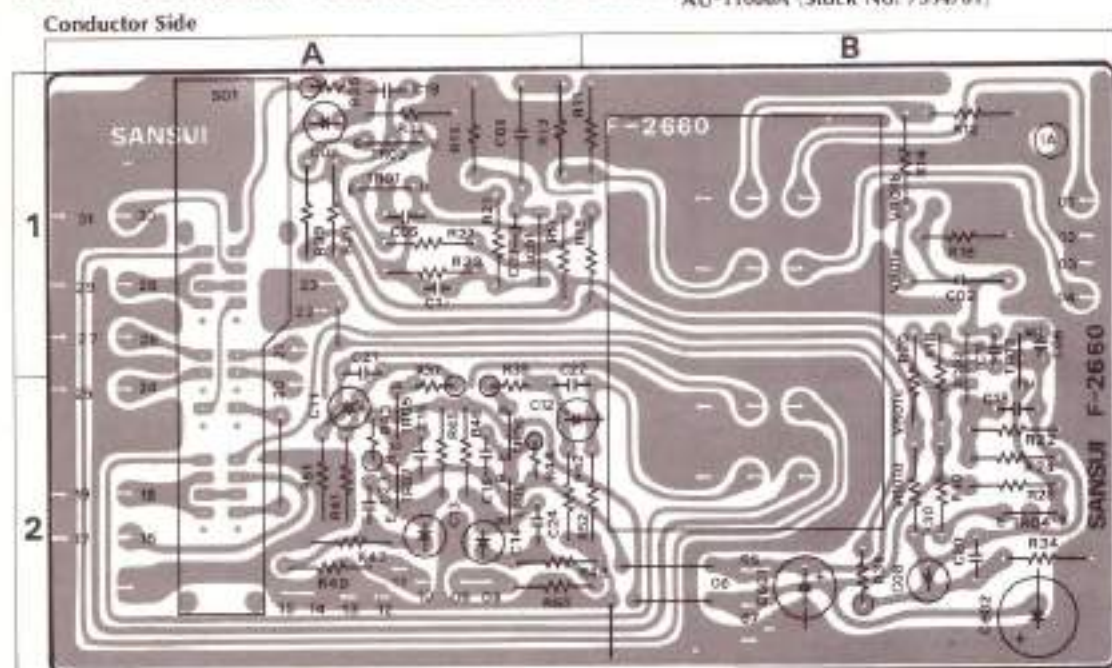
Parts List

Parts No.	Stock No.	Description	Position
Rct. 10	020000	0.05Ω 1/4W R.F.	A
Sw	110000	Input Selector Switch	A, B
Sw	111010	Back-Load Switch	A
Sw	111010	Sensitivity Switch	A
Jr	020030	2P DIN Socket	B
	041070	SP Pin Assy (Type C)	
	040080	1P Jack (White)	
	040070	1P Jack (Red)	

3-2. F-2660 Level Volume Circuit Board

AU-9900A (Stock No. 7594661)

AU-11000A (Stock No. 7594761)



Parts List

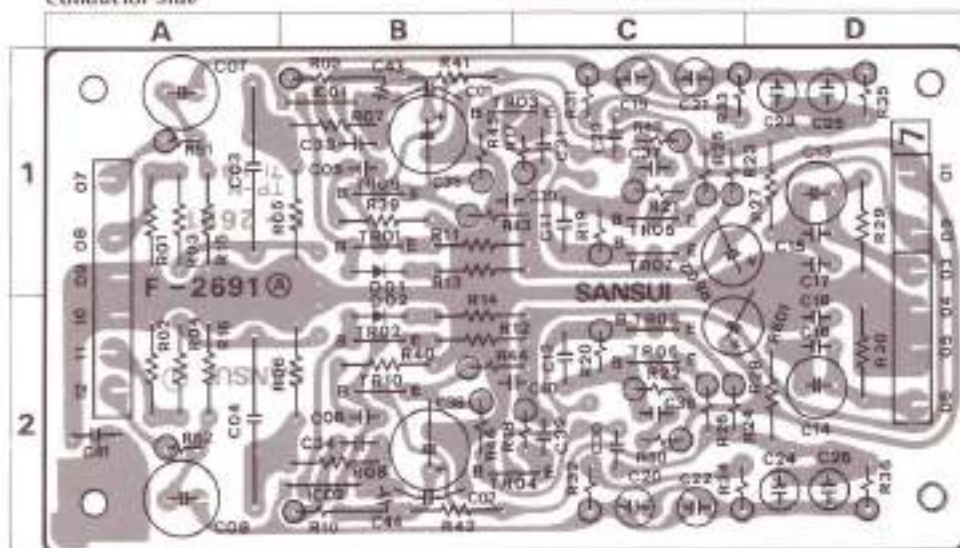
Parts No.	Stock No.	Description	Position	Parts No.	Stock No.	Description	Position	Parts No.	Stock No.	Description	Position
TR1-10	030020	100K 1/4W R.F.	1A, 1, 20	TR1-10	030020	100K 1/4W R.F.	1A, 1, 20	VR1	100000	100K 1/4W R.F.	1A, 1, 20
TR1-10	030020	100K 1/4W R.F.	1A, 1, 20	TR1-10	030020	100K 1/4W R.F.	1A, 1, 20	Sw	110000	Input Selector Switch	1, 2, 4
TR1-10	030020	100K 1/4W R.F.	1A, 1, 20	TR1-10	030020	100K 1/4W R.F.	1A, 1, 20				

3-3. F-2691 Equalizer Circuit Board

AU-9900A (Stock No. 7551041)

AU-11000A (Stock No. 7551051)

Conductor Side



Parts List

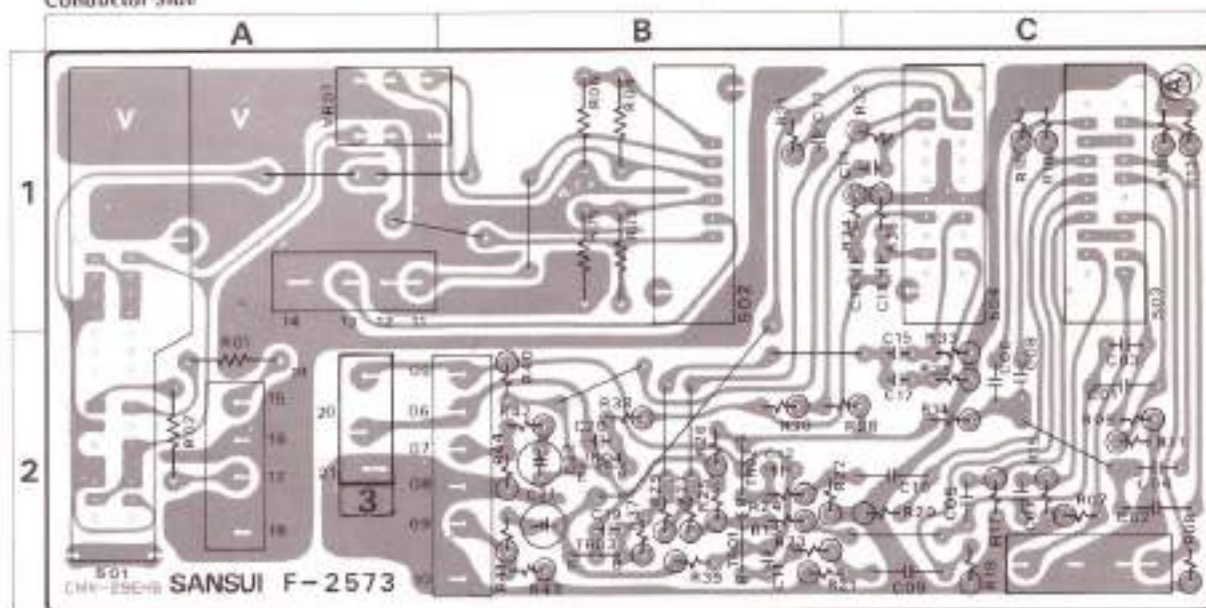
Parts No.	Stock No.	Description	Position	Parts No.	Stock No.	Description	Position	Parts No.	Stock No.	Description	Position
TR01, 02	0366078, 1	2SC1153 (F, G)	1C, 2C	CI01, 02	0622229	2.2K 100WV M.C.	1A, 2D	RI01, 02	0231364	50K 1/2	
TR03, 04	0366078, 1	2SC1153 (F, G)	1B, 2C	CI03, 04	0626483	100K 50V P.C.	1B, 2D	RI03, 04	0231473	47K 1/2 10W M.R.	
TR05, 06	0366078, 1	2SC1153 (F, G)	1A, 2B	CI05, 06	0620101	100K 50V P.C.	1B, 2D	RI05, 06	0231102	1K 1/2	
TR07, 08	0366078, 1	2SC1153 (F, G)	1B, 2B	CI07, 08	0620102	100K 50V P.C.	1B, 2D	RI07, 08	2413598	40 Pin Assy (Type D)	
TR09, 10	0366078, 1	2SC1153 (F, G)	1B, 2B	CI09, 10	0620101	100K 50V P.C.	1A, 2A	RI09, 10	2413608	40 Pin Assy (Type D)	
IC01, 02	0366078, 1	2SA738 (F, G)	1C, 2C	CI11, 12	0231330	5.6K 1/2	1B, 2D	RI11, 12	2413918	3P Pin Assy (Type B)	
DI01, 02	0311148	103K 720	1C, 2C	CI13, 14	0231330	20K 1/2	1B, 2D				
	0311148	101M 500	1C, 2C								

3-4. F-2573 Filter Accessory Circuit Board

AU-9900A (Stock No. 7561671)

AU-11000A (Stock No. 7561771)

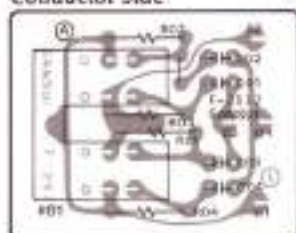
Conductor Side



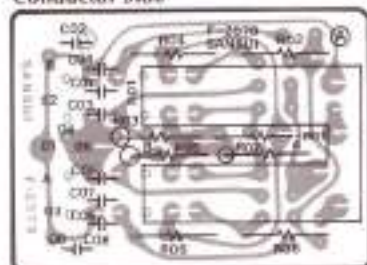
Parts List

Parts No.	Stock No.	Description	Position	Parts No.	Stock No.	Description	Position	Parts No.	Stock No.	Description	Position	
TR01, 02	0366078, 1	2SC1153 (F, G)	Transistor	VB01	1010178, 1	50K 1/2 (M, H)	Balance Volume	1A	SI01	1170946	Low Filter Switch	1C
TR03, 04	0366078, 1	2SC1153 (F, G)		SI01	1170280	Mode Switch	1, 2A	SI02	1170450	High Filter Switch	1C	
CI01, 02	0620801	835K 50V P.C.	2C, 1C	SI02	1170770	Master Switch		SI03	0410340	4P Pin Assy (Type C)		
								SI04	0410920	3P Pin Assy (Type C)		

3-5. F-2577 Treble Tone Selector Circuit Board AU-9900A (Stock No. 7561651)
AU-13000A (Stock No. 7561751)



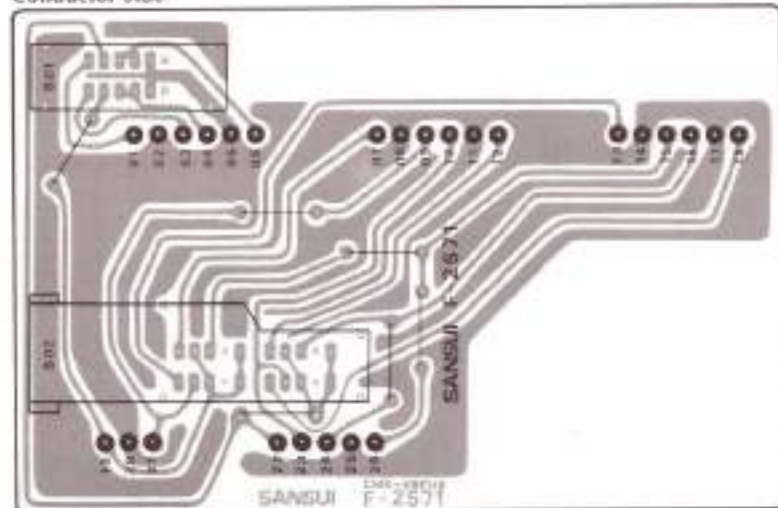
Parts No.	Stock No.	Description
Cyl.in	362836	3.00" ϕ
Cyl.in	362891	810" ϕ
Set	113143	Trickle Tone Park Switch

3-6. F-2578 Bass Tone Selector Circuit Board AU-9900A (Stock No. 7561661)
AU-11000A (Stock No. 7561761)

Part No.	Stock No.	Description
20	1131140	Ball Type Push Switch

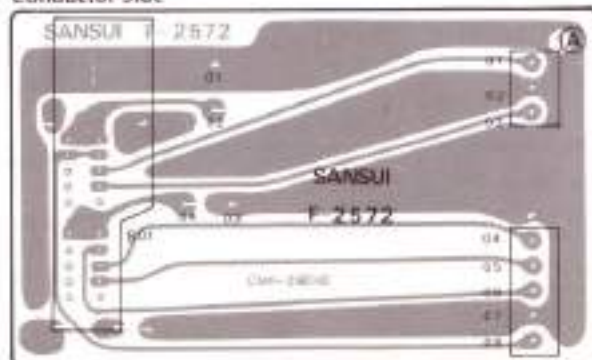
3-7. F-2571 Tape Copy & Tuner Signal Switching Circuit Board

AU-9000A (Stock No. 7594641) AU-11000A (Stock No. 7594741)



Part No.	Stock No.	Description
Set	1176875	Grade 5 Math Guide
Set	1196268	Open Copy Math

3-8. F-2572 Tape Play Circuit Board AU-9900A (Stock No. 7594651)
AU-11000A (Stock No. 7594751)

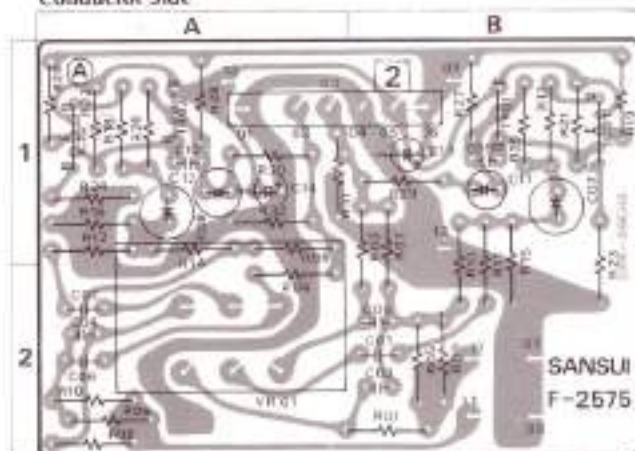


Part No.	Stock No.	Description
20	119278	Tap:Flow switch
	341076	3P Fin Assy (Type C)
	341079	4P Fin Assy (Type C)

3-9. F-2575 Midrange Tone Control Circuit Board

 AU-9900A (Stock No. 7561631)
 AU-11000A (Stock No. 7561731)

Conductor Side



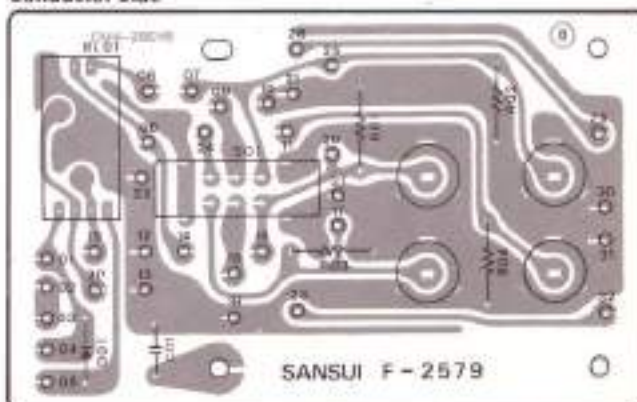
Parts List

Parts No.	Stock No.	Description	Position
TR01	836270-1	2SC1708 (P, G) Transistor	2C, 2B
IC01	8360290-1	2SA799 (H, G) IC	2A, 2B
VR01	1090150-1	50kΩ (B) ±20% Midrange Volume 18	
	2418700	47 Pin Assy (Type I)	

3-10. F-2579 Pre-Main Switch Circuit Board

 AU-9900A (Stock No. 7594671)
 AU-11000A (Stock No. 7594771)

Conductor Side



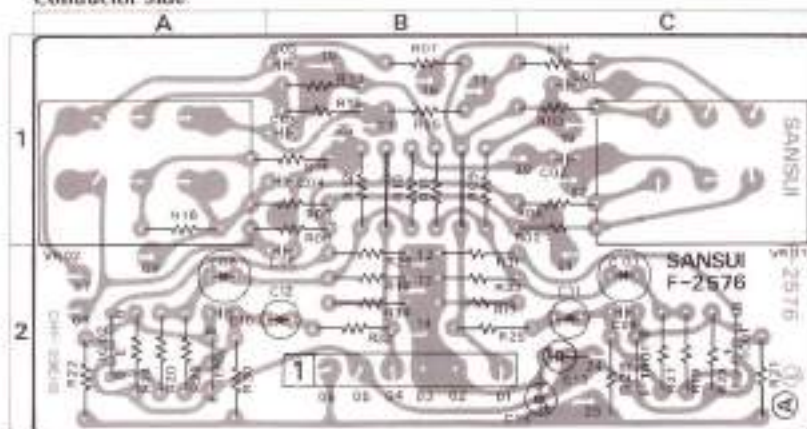
Parts List

Parts No.	Stock No.	Description
R101	1188228	Relay Switch
	2408280	Female Pin Jack (White)
	2408275	Female Pin Jack (Red)
Sw	1118228	RF Main Switch

3-11. F-2576 Bass & Treble Tone Control Circuit Board

 AU-9900A (Stock No. 7561641)
 AU-11000A (Stock No. 7561741)

Conductor Side



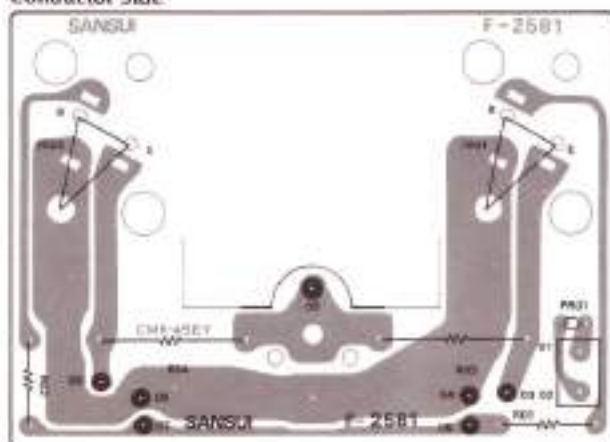
Parts List

Parts No.	Stock No.	Description	Position
TR01	0066270-1	2SC1708 (P, G) Transistor	2C, 2A
IC01	8360290-1	2SA799 (H, G) IC	2C, 2A
CR01	8420301	300μF 50V P.C.	1C
VR01	1090150-1	50kΩ (B) ±20% Treble Volume	1C
VR02	1090150-1	50kΩ (B) ±20% Bass Volume	1A
	2418700	47 Pin Assy (Type I)	

3-12. F-2581 Final Stage Circuit Board

 + Side (AU-9900A (Stock No. 7571531)
 AU-11000A (Stock No. 7571571)
 - Side (AU-9900A (Stock No. 7571581)
 AU-11000A (Stock No. 7571601))

Conductor Side



Parts List (+ Side)

Parts No.	Stock No.	Description
TR01	8360451-2	2SC4034 (G, F) Transistor
TR02	8360451-2	2SC4034 (G, F) Transistor
R01	0190829	8.2kΩ 1/4W F.B.
R02	0190829	8.2kΩ 1/4W G.B.
	2020040	Transistor Socket
	2020040	Transistor Socket

Parts List (- Side)

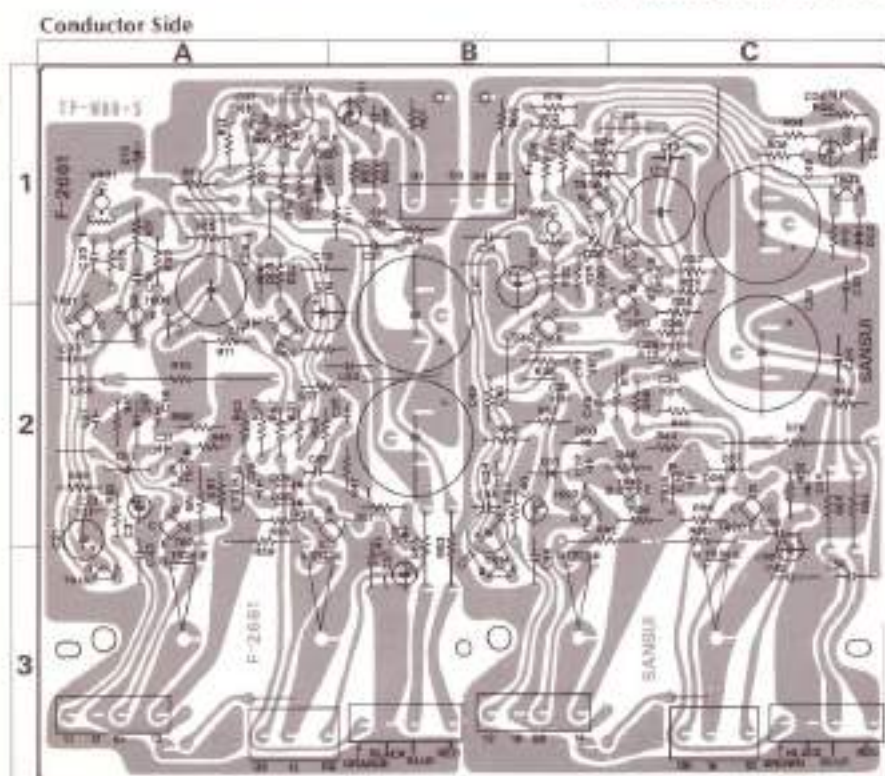
Parts No.	Stock No.	Description
TR01	8360451-2	2SA748A (G, F) Transistor
TR02	8360451-2	2SA748A (G, F) Transistor
PR01	0190829	Transistor
R01	0190829	8.2kΩ 1/4W F.B.
R02	0190829	8.2kΩ 1/4W G.B.
	2020040	Transistor Socket
	2020040	Transistor Socket
	2418700	47 Pin Assy Type I

3-13. F-2661 Driver Circuit Board

AU-9900A (Stock No. 7571521)
AU-11000A (Stock No. 7571561)

Parts List

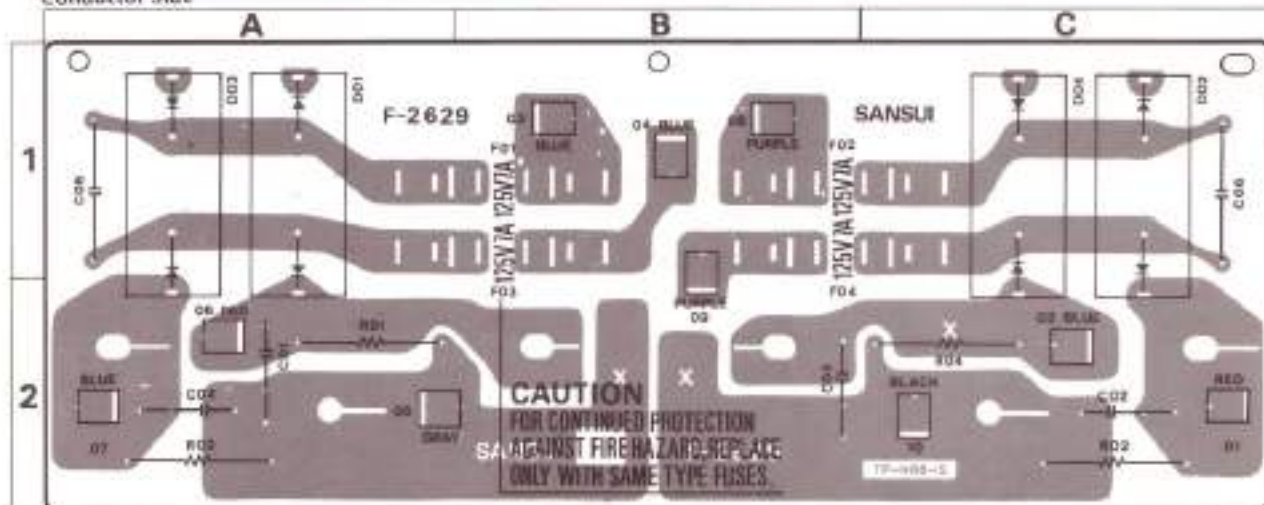
Part No.	Stock No.	Description	Position
TRN-10	0306740-1	25A187 (1, 2)	1 A, 1 C
TRN-14	0306790-1	25C1480 (1) U, E	1 A, 1 C
TRN-16	0306820-1	25C1480 (1) U, E	1 A, 1 C
TRN-18	0306700-1	25A187 Q, Y	2 A, 1 B
	0306730-1	25A494-1 (1, 2)	
TRN-20	0306700-1	25C1428 Q, Y	2 A, 1 C
	0306830-1	25C1871-1 (1, 2)	
	0306760-1	25C1428 Q, Y	
TRN-12	0306830-1	25C1871-1 (1, 2)	Transistor 2 A, 2 B
TRN-14	0306700-2	25C1871 Q, Y	2 A, 2 B
TRN-16	0306840-1	25C1735 Q, Y	2 A, 2 C
TRN-18	0307030-1	25A182 Q, Y	2 A, 2 C
TRN-20	0306860-1	25C1428 Q, Y	2 A, 2 C
	0306930-1	25C1871-1 (1, 2)	
TRN-22	0307030-1	25A182 Q, Y	2 A, 2 B
	0307070-1	25A494-1 (1, 2)	
TRN-24	0308441-2	250382 (M, L)	2 A, 2 C
TRN-26	0308271-2	250327 (M, L) Transistor	2 A, 2 B
ICN-22	0308378-1	26A759 (E, G) IC	1 A, 1 C
DET-06	0308138	250312-1	1 A, 1 C
DET-08	0308138	250312-1	2 A, 10 C
DET-08	0311146	1324730	
	0311180	131385	2 A, 2 C
	0311146	1324730	
DET-28	0311180	131385	2 A, 2 B
	0311146	1324730	
DET-10	0311180	131388	2 A, 2 C
	0311146	1324730	
DET-12	0311180	131388	2 A, 2 B
CAL-16	0602108	2510F 100WV M.C.	1 A, 1 B
CAL-20	0602109	2510F 100V M.C.	2 A, 2 C
CAL-26	0602109	2510F 100V M.C.	2 A, 2 C
CAL-36	06A4902	2.5 μ 35V C.C.	2 A, 2 B
CAL-38	0309306	4750F	1.25, 2 C
CAL-40	0349261	4750F	2 B, 2 C
CAL-50	0602109	2510F 100WV M.C.	1 B, 1 C
CAL-56	0602109	2510F 100V M.C.	2 B, 2 C
RN-10	0191431	47051	2 B, 2 C
RN-14	0191431	47051	2 A, 2 B
RN-16	0192683	46015	2.25, 2 C
RN-18	0192683	46015	2.25, 2 C
RN-20	0207109	1803 25W 50L.R.	2 A, 2 C
WTR-22	1036838	47051	1 A, 1 B
	2412890	25F 100V 100WV	
	2413888	25F 100V 100WV	
	2412892	25F 100V 100WV	



3-14. F-2629 Power Supply Circuit Board

AU-9900A (Stock No. 7502121)
AU-11000A (Stock No. 7502161)

Conductor Side



Parts List

Part No.	Block No.	Description	Position
Dr.	0311310	55-5	1A
	0311340	58150	
Dr.	0311210	55-5	1C
	0311340	35150	
Dr.	0311220	55-58	1A
	0311350	541510	

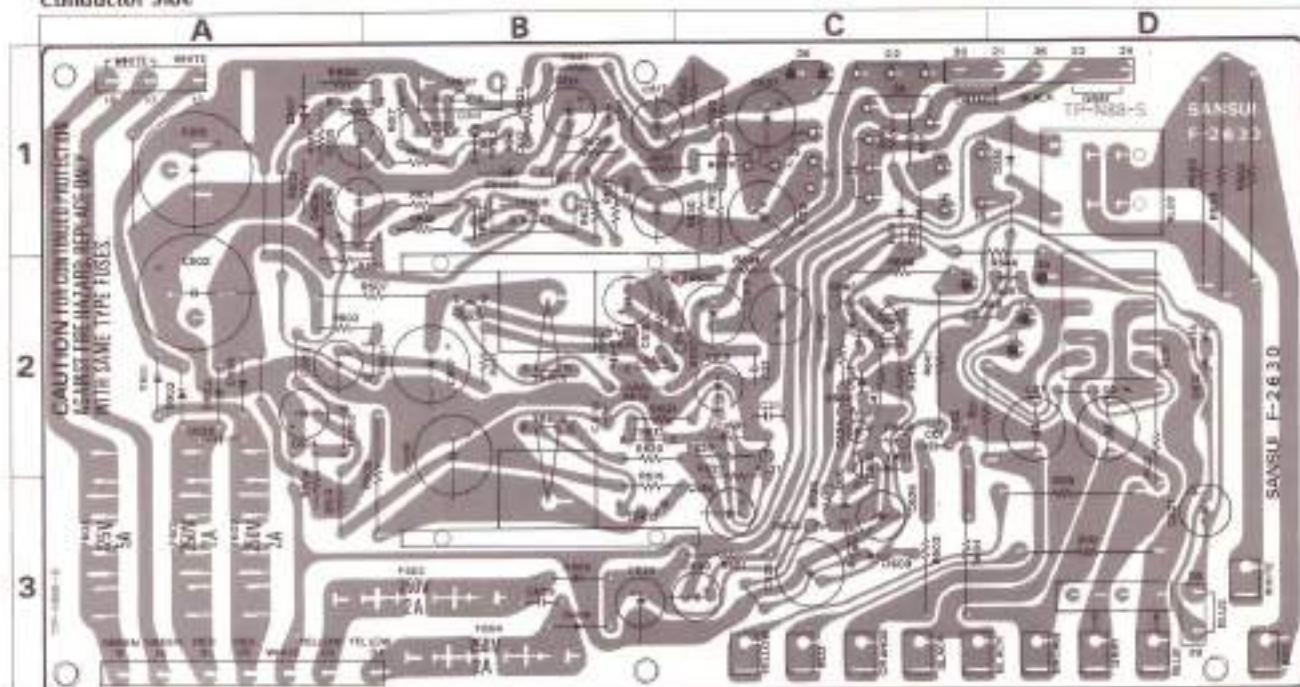
Part No.	Stock No.	Description	Position
Oil	8911320 8911390	SLASH SLASH	1C
Oil	8602109	1/4" 16399 H.C.	1A, 2C
Oil	8602109	1/4" 16399 H.C.	1A, 1B
Oil	8602477	0.0475" 2589 H.C.	1A, 1C

Part No.	Stock No.	Description	Position
Bolt	820930	3/8x1 1/2	1 A, 1 C
Nut	820930	3/8x1 1/2	1 A, 1 C
Pin	840980	AC 1/8x 7/8x 1/2	1, 2 B

3-15. F-2630 Power Supply Circuit Board for Driver Stage

AU-9900A (Stock No. 7502111)
AU-11000A (Stock No. 7502151)

Conductor Side

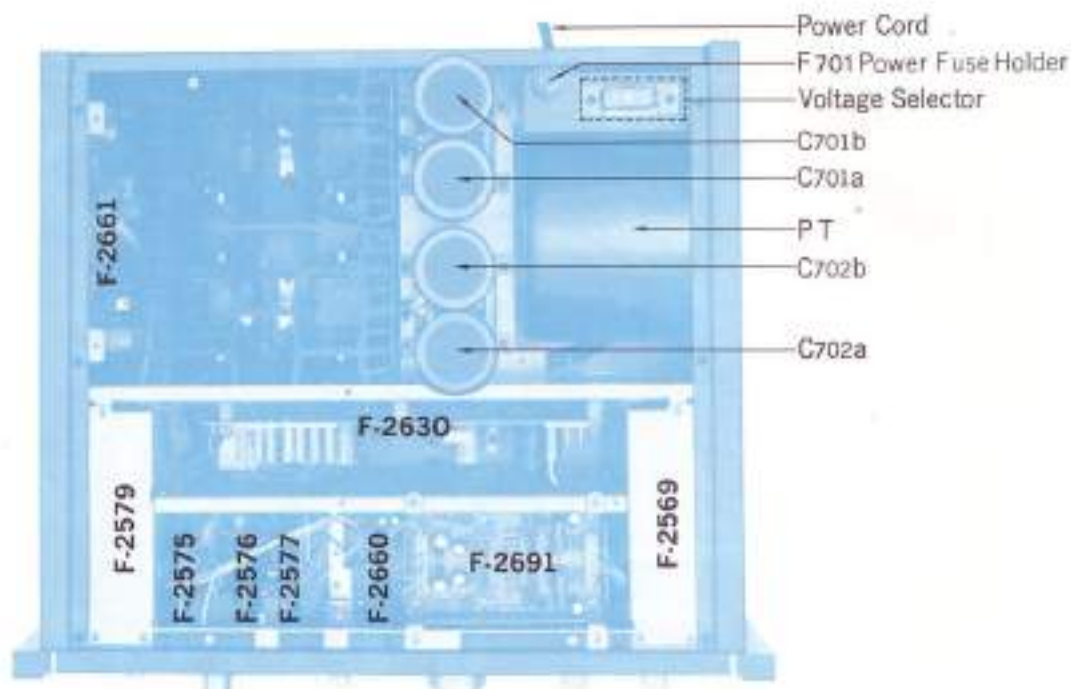


Parts List

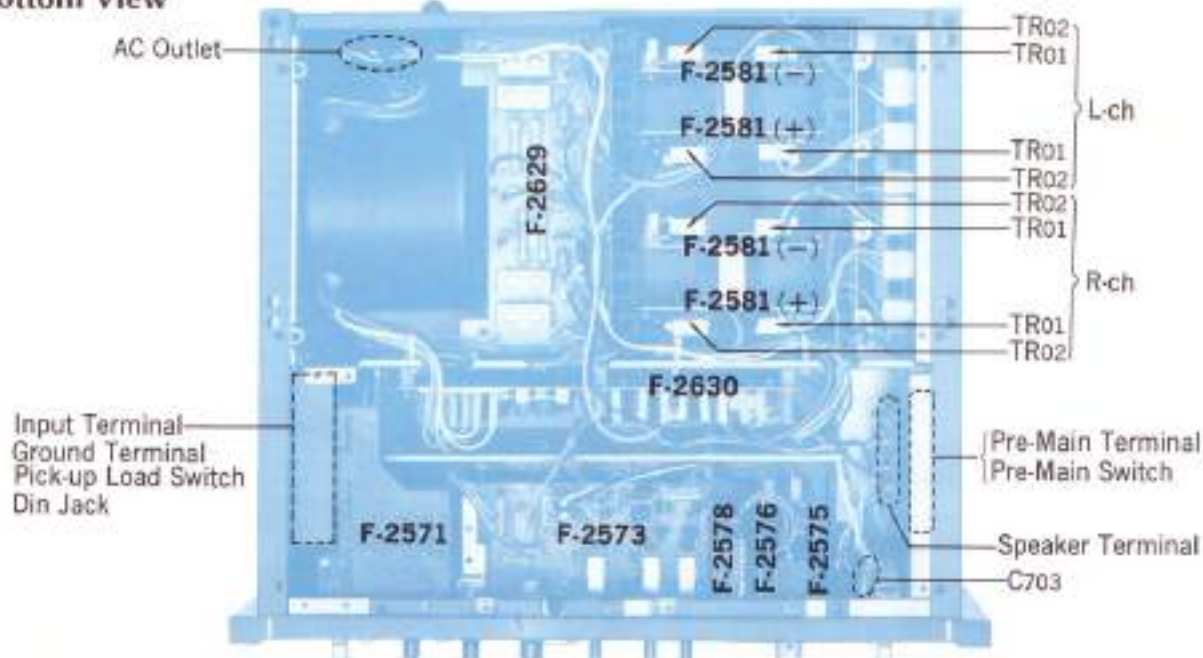
Parts No.	Stock No.	Description	Position	Parts No.	Stock No.	Description	Position	Parts No.	Stock No.	Description	Position
TR101	3300721, 2	2SA930 (S, F)	1 A, B	DR1	0310350	1800	2A	Res. 10	0104479	47(3) 1 W C.R.	2C, 2D
TR102	3300361, 2	2SC1734 (S, F)		DR2	0310350	1800	2A	Res. 10	0300108	10(3) 5 W N.J.R.	3C
TR103	0300729, 1	2SA930 (C, D)		DR3	0310340	1800	3B	Res. 10	0130021	200(3) 5 W C.R.	
TR104	0300386, 1	2SC1733 (C, D)	1 A, B	DR4	0310340	1800	3B	Resistor	0191471	470(2) 1/2 W F.R.	1 A, 2A
TR105	0300441, 2	2SC1983 (L, M)		DR5	0340130	VD1312	1A	Res. 10	0300150	10(3) 2 W N.J.R.	1B
TR106	0300371, 2	2SA930 (L, M)		DR6	0340130	VD1312	1A	Res. 10	0311100	10(3) 3 W F.R.	1B
TR107	3300450, 1	2SC1984 (C, D)	1 B	DR7	0310340	5V-62	1C	Res. 10	0311471	470(2) 1 W N.J.R.	2C, 2D
TR108	0300811, 2	2SC1987 (S, F)		DR8	0311160	1524730	3C	Res. 10	0300150	10(3) 2 W N.J.R.	2C
TR109	0300441, 2	2SA930 (S, F)		DR9	0311160	151680	3C	Res. 10	0183471	470(2) 5 W C.R.	3C
TR110	0300326, 1	2SA930 (C, D)	1 B	DR10	0311160	1524730	3C	Res. 10	0311391	180(2) 1 W N.J.R.	3C
TR111	0300351, 2	2SC1734 (S, F)		DR11	0311160	151680	3C	Resistor	0130029	62(2) 7 W C.R.	1D
TR112	0300470, 1	2SA726 (S, F)		DR12	0311160	1524730	3C	Loc. 10	0310399	10W C.R. 1/2 W	3D
TR113	0300351, 2	2SC1734 (S, F)	1 B	DR13	0310340	1800	3D	Res. 10	1100370	Relay	3D
TR114	0300729, 1	2SA930 (C, D)		DR14	0311160	1524730	3C	Res. 10	1100360	Relay	1D
TR115	0300390, 1	2SC1980 (S, F)		DR15	0311160	151680	3C	Rel. 10	0302240	2A 20W A.C. Type	2A, B
TR116	0300729, 1	2SA930 (C, D)	1 B	DR16	0310340	1800	3D	AU-9900A Only			
TR117	0300470, 1	2SA726 (S, F)		DR17	0310340	1800	3D	Rel. 10	0107422	6.3(3) 1/2 W C.R.	
TR118	0300470, 1	2SA726 (S, F)		DR18	0310340	1800	3D	Rel. 10	0107422	200(3) 1/2 W C.R.	
TR119	0300511, 2	2SA733 (S, F)	2C	ZDR1	0316228	RD-128 (C)	1 B	AU-11000A Only			
TR120	0300511, 2	2SA733 (S, F)	2, 3C	ZDR2	0316310	RD-128 (S)		Rel. 10	0107422	200(3) 1/2 W C.R.	
TR121	0300731, 2	2SC1984 (A, J)	2C	DR19	0310340	1800	3D	Rel. 10	0107422	200(3) 1/2 W C.R.	
TR122	0300731, 2	2SC1984 (A, J)	2C	DR20	0310340	1800	3D	AU-11000A Only			
TR123	0300731, 2	2SC1984 (A, J)	2C	DR21	0310340	1800	3D	Rel. 10	0310622	6.3(3) 1/2 W W.R.	
DR101	0311160	1524730	1C	DR22	0310340	1800	3D	Rel. 10	0310622	200(3) 1/2 W W.R.	
DR102	0311160	151680		DR23	0310340	1800	3D	Rel. 10	0107422	200(3) 1/2 W W.R.	
DR103	0311160	1524730	2A	DR24	0310340	1800	3D	Rel. 10	0107422	200(3) 1/2 W W.R.	
DR104	0311160	151680		DR25	0310340	1800	3D	Rel. 10	0107422	200(3) 1/2 W W.R.	
DR105	0311160	1524730	2A	DR26	0310340	1800	3D	Rel. 10	0107422	200(3) 1/2 W W.R.	
DR106	0311160	151680		DR27	0310340	1800	3D	Rel. 10	0107422	200(3) 1/2 W W.R.	
DR107	0311160	1524730	2A	DR28	0310340	1800	3D	Rel. 10	0107422	200(3) 1/2 W W.R.	
DR108	0311160	151680		DR29	0310340	1800	3D	Rel. 10	0107422	200(3) 1/2 W W.R.	
DR109	0311160	1524730	2A	DR30	0310340	1800	3D	Rel. 10	0107422	200(3) 1/2 W W.R.	
DR110	0311160	151680		DR31	0310340	1800	3D	Rel. 10	0107422	200(3) 1/2 W W.R.	
DR111	0311160	1524730	2A	DR32	0310340	1800	3D	Rel. 10	0107422	200(3) 1/2 W W.R.	
DR112	0311160	151680		DR33	0310340	1800	3D	Rel. 10	0107422	200(3) 1/2 W W.R.	
DR113	0311160	1524730	2A	DR34	0310340	1800	3D	Rel. 10	0107422	200(3) 1/2 W W.R.	
DR114	0311160	151680		DR35	0310340	1800	3D	Rel. 10	0107422	200(3) 1/2 W W.R.	
DR115	0311160	1524730	2A	DR36	0310340	1800	3D	Rel. 10	0107422	200(3) 1/2 W W.R.	
DR116	0311160	151680		DR37	0310340	1800	3D	Rel. 10	0107422	200(3) 1/2 W W.R.	
DR117	0311160	1524730	2A	DR38	0310340	1800	3D	Rel. 10	0107422	200(3) 1/2 W W.R.	
DR118	0311160	151680		DR39	0310340	1800	3D	Rel. 10	0107422	200(3) 1/2 W W.R.	
DR119	0311160	1524730	2A	DR40	0310340	1800	3D	Rel. 10	0107422	200(3) 1/2 W W.R.	
DR120	0311160	151680		DR41	0310340	1800	3D	Rel. 10	0107422	200(3) 1/2 W W.R.	
DR121	0311160	1524730	2A	DR42	0310340	1800	3D	Rel. 10	0107422	200(3) 1/2 W W.R.	
DR122	0311160	151680		DR43	0310340	1800	3D	Rel. 10	0107422	200(3) 1/2 W W.R.	
DR123	0311160	1524730	2A	DR44	0310340	1800	3D	Rel. 10	0107422	200(3) 1/2 W W.R.	
DR124	0311160	151680		DR45	0310340	1800	3D	Rel. 10	0107422	200(3) 1/2 W W.R.	
DR125	0311160	1524730	2A	DR46	0310340	1800	3D	Rel. 10	0107422	200(3) 1/2 W W.R.	
DR126	0311160	151680		DR47	0310340	1800	3D	Rel. 10	0107422	200(3) 1/2 W W.R.	
DR127	0311160	1524730	2A	DR48	0310340	1800	3D	Rel. 10	0107422	200(3) 1/2 W W.R.	
DR128	0311160	151680		DR49	0310340	1800	3D	Rel. 10	0107422	200(3) 1/2 W W.R.	
DR129	0311160	1524730	2A	DR50	0310340	1800	3D	Rel. 10	0107422	200(3) 1/2 W W.R.	
DR130	0311160	151680		DR51	0310340	1800	3D	Rel. 10	0107422	200(3) 1/2 W W.R.	
DR131	0311160	1524730	2A	DR52	0310340	1800	3D	Rel. 10	0107422	200(3) 1/2 W W.R.	
DR132	0311160	151680		DR53	0310340	1800	3D	Rel. 10	0107422	200(3) 1/2 W W.R.	
DR133	0311160	1524730	2A	DR54	0310340	1800	3D	Rel. 10	0107422	200(3) 1/2 W W.R.	
DR134	0311160	151680		DR55	0310340	1800	3D	Rel. 10	0107422	200(3) 1/2 W W.R.	
DR135	0311160	1524730	2A	DR56	0310340	1800	3D	Rel. 10	0107422	200(3) 1/2 W W.R.	
DR136	0311160	151680		DR57	0310340	1800	3D	Rel. 10	0107422	200(3) 1/2 W W.R.	
DR137	0311160	1524730	2A	DR58	0310340	1800	3D	Rel. 10	0107422	200(3) 1/2 W W.R.	
DR138	0311160	151680		DR59	0310340	1800	3D	Rel. 10	0107422	200(3) 1/2 W W.R.	
DR139	0311160	1524730	2A	DR60	0310340	1800	3D	Rel. 10	0107422	200(3) 1/2 W W.R.	
DR140	0311160	151680		DR61	0310340	1800	3D	Rel. 10	0107422	200(3) 1/2 W W.R.	
DR141	0311160	1524730	2A	DR62	0310340	1800	3D	Rel. 10	0107422	200(3) 1/2 W W.R.	
DR142	0311160	151680		DR63	0310340	1800	3D	Rel. 10	0107422	200(3) 1/2 W W.R.	
DR143	0311160	1524730	2A	DR64	0310340	1800	3D	Rel. 10	0107422	200(3) 1/2 W W.R.	
DR144	0311160	151680		DR65	0310340	1800	3D	Rel. 10	0107422	200(3) 1/2 W W.R.	
DR145	0311160	1524730	2A	DR66	0310340	1800	3D	Rel. 10	0107422	200(3) 1/2 W W.R.	
DR146	0311160	151680		DR67	0310340	1800	3D	Rel. 10	0107422	200(3) 1/2 W W.R.	
DR147	0311160	1524730	2A	DR68	0310340	1800	3D	Rel. 10	0107422	200(3) 1/2 W W.R.	
DR148	0311160	151680		DR69	0310340	1800	3D	Rel. 10	0107422	200(3) 1/2 W W.R.	
DR149	0311160	1524730	2A	DR70	0310340	1800	3D	Rel. 10	0107422	200(3) 1/2 W W.R.	
DR150	0311160	151680		DR71	0310340	1800	3D	Rel. 10	0107422	200(3) 1/2 W W.R.	
DR151	0311160	1524730	2A	DR72	0310340	1800	3D	Rel. 10	0107422	200(3) 1/2 W W.R.	
DR152	0311160	151680		DR73	0310340	1800	3D	Rel. 10	0107422	200(3) 1/2 W W.R.	
DR153	0311160	1524730	2A	DR74	0310340	1800	3D	Rel. 10	0107422	200(3) 1/2 W W.R.	
DR154	0311160	151680		DR75	0310340	1800	3D	Rel. 10	0107422	200(3) 1/2 W W.R.	
DR155	0311160	1524730	2A	DR76	0310340	1800	3D	Rel. 10	0107422	200(3) 1/2 W W.R.	
DR156	0311160	151680		DR77	0310340	1800	3D	Rel. 10	0107422	200(3) 1/2 W W.R.	
DR157	0311160	1524730	2A	DR78	0310340	1800	3D	Rel. 10	0107422	200(3) 1/2 W W.R.	
DR158	0311160	151680		DR79	0310340	1800	3D	Rel. 10	0107422	200(3) 1/2 W W.R.	
DR159	0311160	1524730	2A	DR80	0310340	1800	3D	Rel. 10	0107422	200(3) 1/2 W W.R.	
DR160	0311160	151680		DR81	0310340	1800	3D	Rel. 10	0107422	200(3) 1/2 W W.R.	
DR161	0311160	1524730	2A	DR82	0310340	1800	3D	Rel. 10	0107422	200(3) 1/2 W W.R.	
DR162	0311160	151680		DR83	0310340	1800	3D	Rel. 10	0107422	200(3) 1/2 W W.R.	
DR163	0311160	1524730	2A	DR84	0310340	1800	3D	Rel. 10	0107422	200(3) 1/2 W W.R.	
DR164	0311160	151680		DR85	0310340	1800	3D	Rel. 10	0107422	200(3) 1/2 W W.R.	
DR165	0311160	1524730	2A	DR86	0310340	1800	3D	Rel. 10	0107422	200(3) 1/2 W W.R.	
DR166	0311160	151680		DR87	0310340	1800	3D	Rel. 10	0107422	200(3) 1/2 W W.R.	
DR167	0311160	1524730	2A	DR88	0310340	1800	3D	Rel. 10	0107422	200(3) 1/2 W W.R.	
DR168	0311160	151680		DR89	0310340	1800	3D	Rel. 10	0107422	200(3) 1/2 W W.R.	
DR169	0311160	1524730	2A	DR90	0310340	1800	3D	Rel. 10	0107422	200(3) 1/2 W W.R.	
DR170	0311160	151680		DR91	0310340	1800	3D	Rel. 10	0107422	200(3) 1/2 W W.R.	
DR171	0311160	1524730	2A	DR92	0310340	1800	3D	Rel. 10	0107422	200(3) 1/2 W W.R.	
DR172	0311160	151680		DR93	0310340	1800	3D	Rel. 10	0107422	200(3) 1/2 W W.R.	
DR173	0311160	1524730	2A	DR94	0310340	1800	3D	Rel. 10	0107422	200(3) 1/2 W W.R.	
DR174	0311160	151680		DR95	0310340	1800	3D	Rel. 10	0107422	200(3) 1/2 W W.R.	
DR175	0311160	1524730	2A	DR96	0310340	1800	3D	Rel. 10	0107422	200(3) 1/2 W W.R.	
DR176	0311160	151680		DR97	0310340	1800	3D	Rel. 10	0107422	200(3) 1/2 W W.R.	
DR177	0311160	1524730	2A	DR98	0310340	1800	3D	Rel. 10	0107422	200(3) 1/2 W W.R.	
DR178	0311160	151680		DR99	0310340	1800	3D	Rel. 10	0107422		

4. OTHER PARTS/4-1. Top & Bottom View

Top View



Bottom View

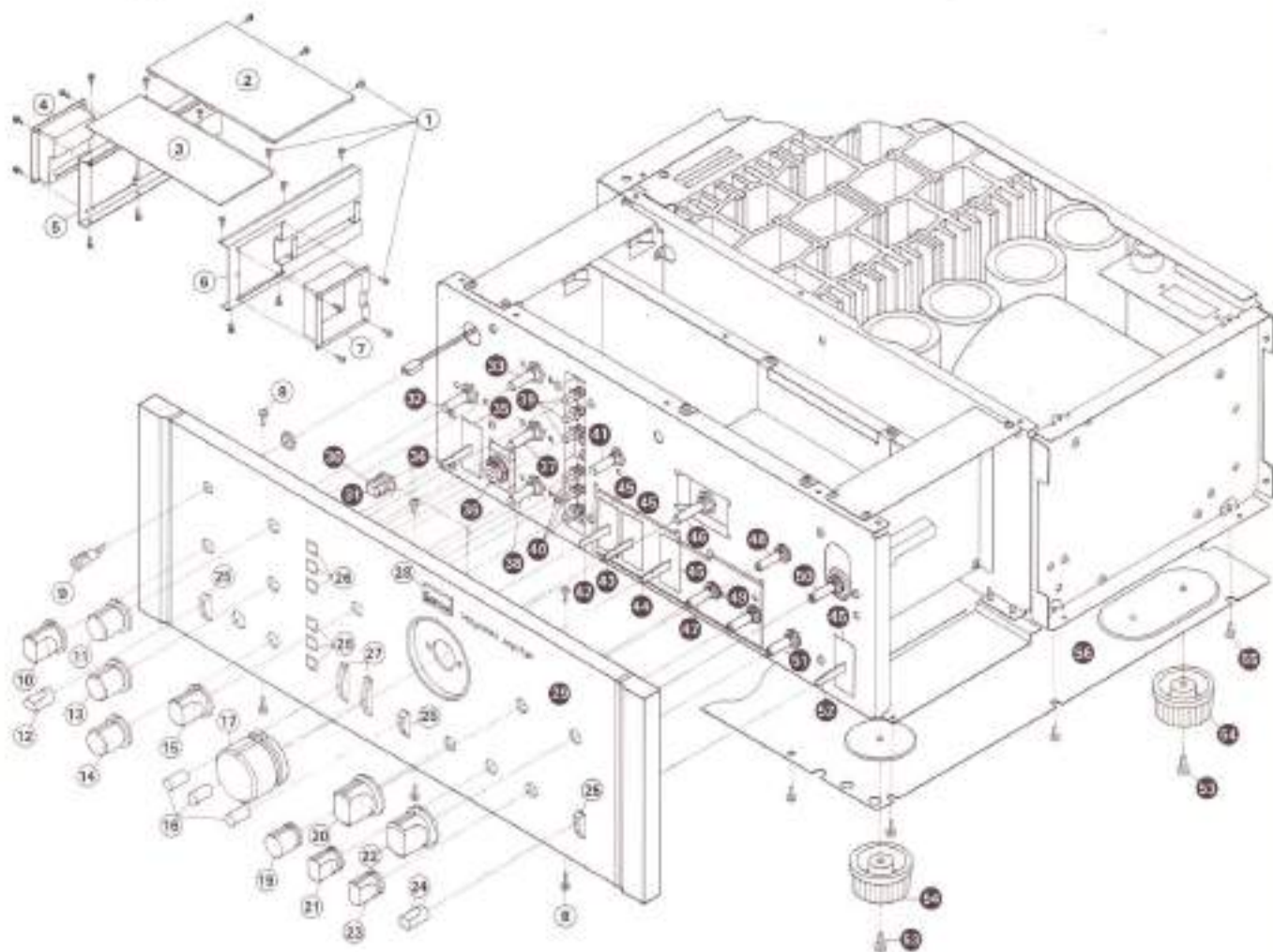


Parts List

Parts No.	Stock No.	Description
T-2501 (+50V)		
TR01-02	0306481-2	2SC1403A
T-2501 (-50V)		
TR01-02	0306831-2	2SA745A
Chr. 702	8505513	4000µF x 3 43WV E.C. (AU-9900A)
Chr. 702	8505514	10000µF x 3 43WV E.C. (AU-11000A)
C703	0409981	0.01µF 160V C.C.
F701	0432218	JA (320V/240V)
	0404010	10A (120V/120V)
	3300010	Power Fuse Holder
	3300340	Power Cord
	3290110	Ground Terminal
	3390910	Din Jack

Parts No.	Stock No.	Description
	1110010	Pick-up Load Switch
	1110010	Sensitivity Switch
	1110020	Pre-Main Switch
	2430000	Pre-Main Terminal (white)
	2430070	Pre-Main Terminal (red)
	3290140	Speaker Terminal
	2430000	AC Outlet
	2430000	Input Terminal (white)
	2430070	Input Terminal (red)
	3410091	Voltage Selector Plug
	2410000	Voltage Selector Socket
	4300000	Power Transformer (AU-9900A)
	4300070	Power Transformer (AU-11000A)

4-2. Exploded View



Parts List

Parts No.	Stock No.	Description
2	5006680	Bornel (A)
3	5006521	Bornel (B)
4	5288640	Output Terminal Base
5	5304081	Side Bornel L-CH
6	5304091	Side Bornel R-CH
7	5287411	Input Terminal Base
9	7726140	LED Ass'y, Protector Indicator
10	5318262	C-4 Type Knob, Speaker Switch
11	5318253	B-4 Type Knob, Treble Volume
12	5326510	E-2 Type Knob, Power Switch
13	5318253	B-6 Type Knob, Midrange Volume
14	5318253	B-6 Type Knob, Bass Volume
15	5318262	C-4 Type Knob, Tone & Filter Switch
16	5326520	E-3 Type Knob, Filter & Muting Switch
17	5318800	G-7 Type Knob, Volume
19	5318371	D-4 Type Knob, Balance Balance
20	5318371	H-4 Type Knob, Tape Play Switch
21	5318281	F-4 Type Knob, Mode Switch
22	5318371	H-4 Type Knob, Input Selector
23	5318281	F-4 Type Knob, Tape Copy Switch
24	5326510	E-2 Type Knob, Tuner Switch
25	5286721	Lever Guide (1)
26	5286721	Knob Guide
27	5286741	Lever Guide (2)
28	5336581	Sansui Mark
29	7007482	Panel Ass'y (AU-9900A)
	7007472	Panel Ass'y (AU-11000A)

Parts No.	Stock No.	Description
30	6906480	Spring, Push Knob
31	5326521	Push Knob
32	1101702, 1	Rotary Switch, Speakers Switch
33	1090150, 1	50x12 x 2, Treble Volume
34	1170510	Lever Switch, Power
35	5047470	Masking, Lever Switch
36	2430190	Headphone Jack
37	1090150, 1	50x12 x 2, Midrange Volume
38	1090150, 1	50x12 x 2, Bass Volume
39	1131150	Push Switch, Tone Selector (Treble)
40	1131140	Push Switch, Tone Selector (Bass)
41	1190290	Tone & Filter Switch
42	1170950	Low Filter Switch
43	1170950	High Filter Switch
44	1170770	Lever Switch, Muting
45	5047821	Masking, Lever Switch
46	1090220	102x52 x 4, Volume
47	1015170, 1	250x11, Balance Volume
48	1190270	Tape Play Switch
49	1190250	Mode Switch
50	1190280	Input Selector
51	1190280	Tape Copy Switch
52	1170870	Lever Switch, Tuner
54	5517020	Leg
56	5058490	Bottom Rail

5. ADJUSTMENTS

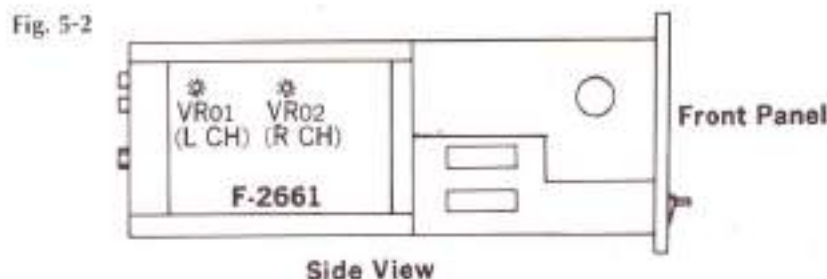
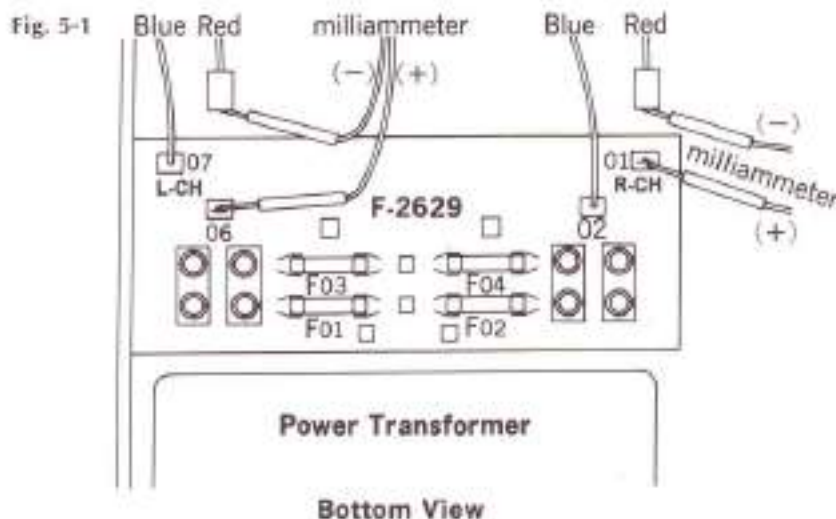
5-1. Bias Current Adjustment (See Fig. 5-1, 5-2)

Condition:

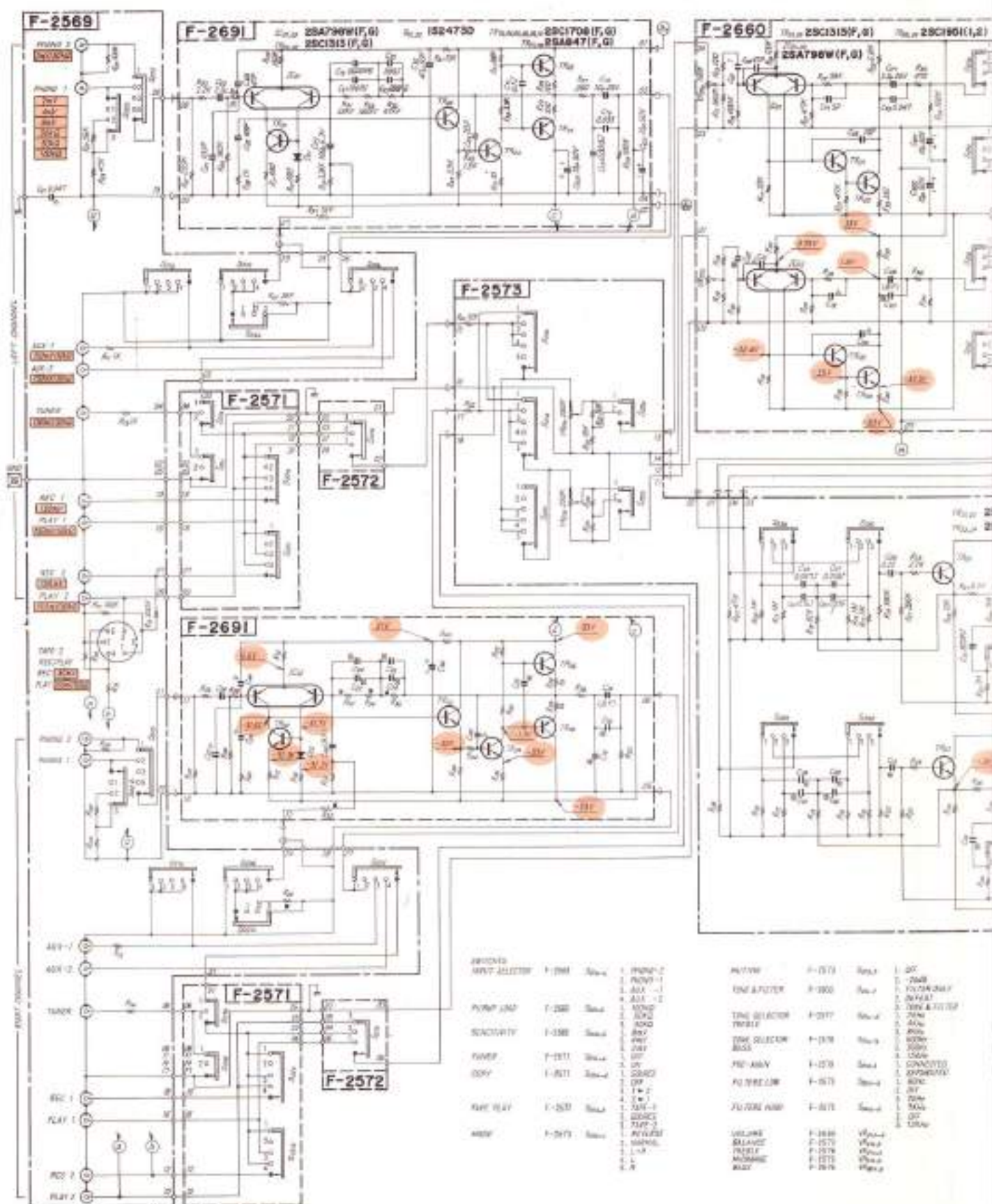
1. Room Temperature $18^{\circ}\text{C} \sim 28^{\circ}\text{C}$ ($65^{\circ}\text{F} \sim 83^{\circ}\text{F}$)
2. Output Load (Speaker) 8 ohms
3. A.C. Supply Voltage Rated Voltage $\pm 2\%$
4. Turn down the volumes, VR01, VR02 on F-2661
5. Level Volume Maximum
6. For this adjustment, run this unit for more than 3 minutes after turning on the power switch.

STEP	SUBJECTS	AUDIO OSCILLATOR		OUTPUT TERMINAL	ADJUST	ADJUST FOR	REMARKS
		OUTPUT	CONNECTING POINT				
1	Distortion factors & Switching distortion adjustment	At 50kHz, Set the amplifier-output to 15V on both Channels by adjusting O.S.C. output level	Input terminal of amplifier	Speaker terminal 8 Ω Oscilloscope Distortion Meter VTVM	VR01 (L-CH) VR02 (R-CH) on F-2661	Minimum point of Distortion factors & Switching distortion	To avoid temperature rise, complete the adjustment in a short time
2	Bias Current confirmation (no input signal)			Refer to D.C. Milliammeter Fig. 5-1	VR01 (L-CH) VR02 (R-CH) on F-2661	Confirm bias current to be within 50mA	Only being it over 50mA, Set it to 50mA. Volume minimum

Note: After proceeding with Step 1, have a cooling off period, 5 to 10 minutes, to confirm the bias current.
In case of not having a distortion meter, complete the adjustment by step 2 to obtain bias current 50mA.

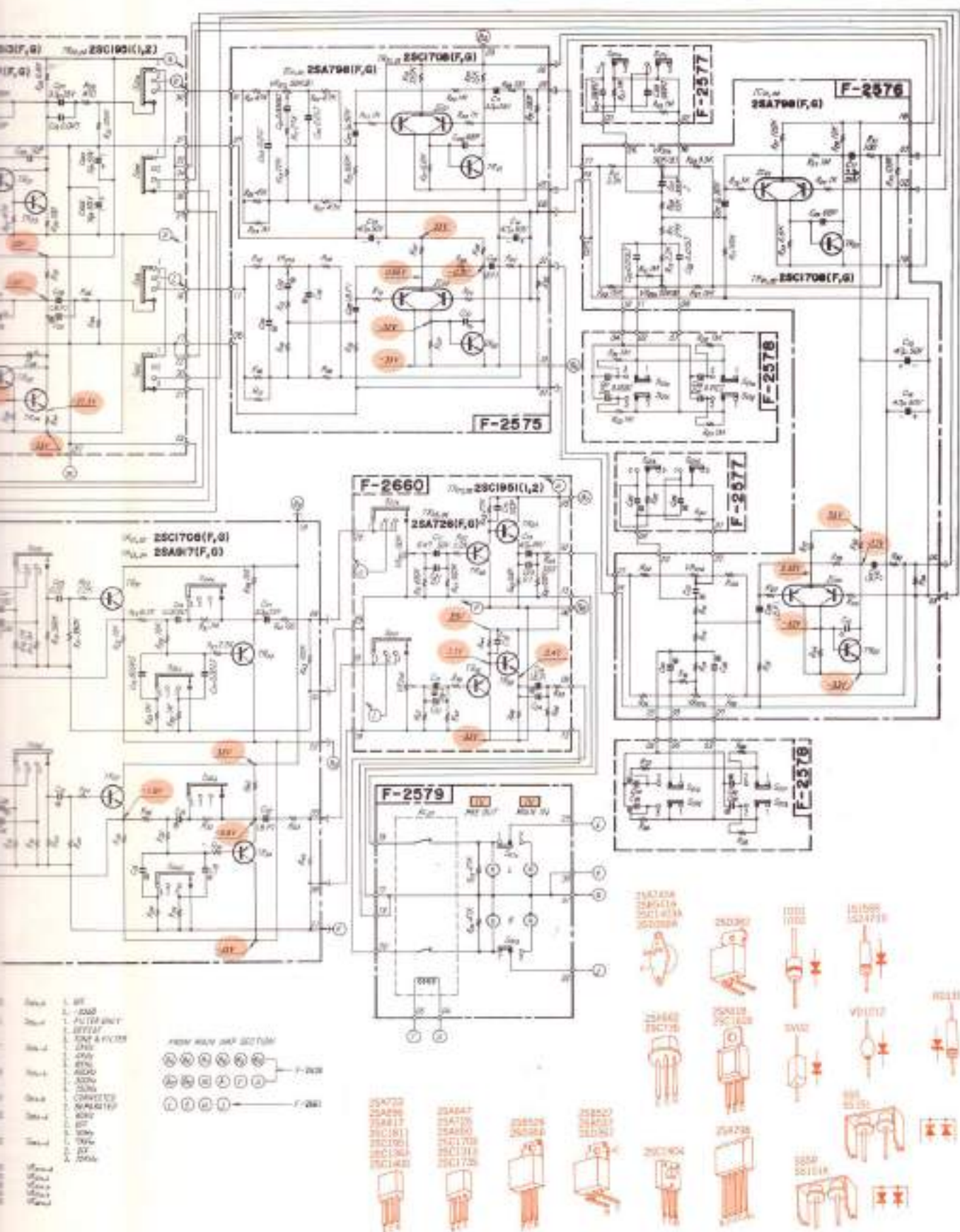


6. SCHEMATIC DIAGRAM/6-1 AU-9900A/11000A Pre AMP. Section

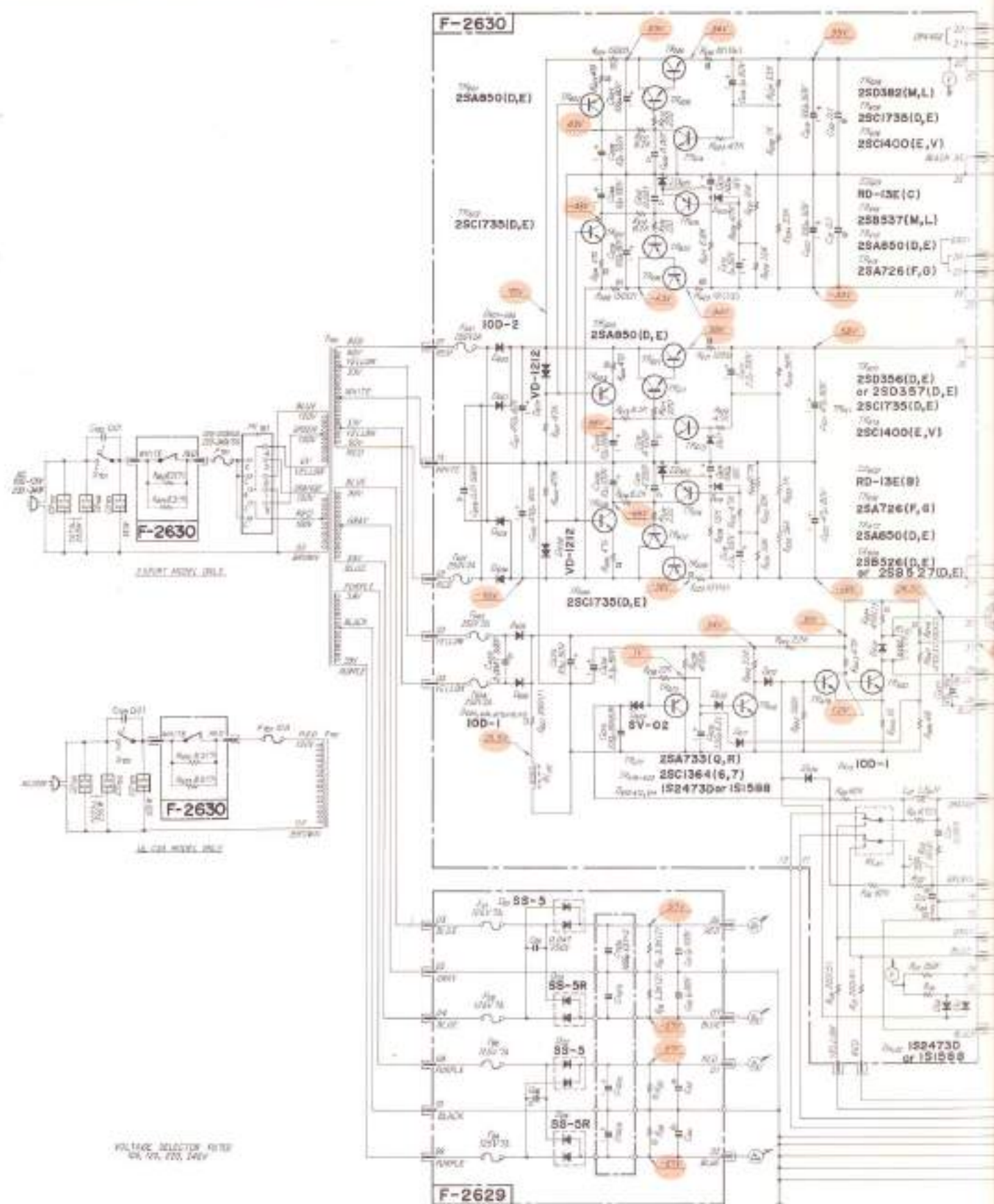


* Les présentations et les spécifications sont susceptibles d'être modifiées sans préavis par suite de améliorations technologiques.

on

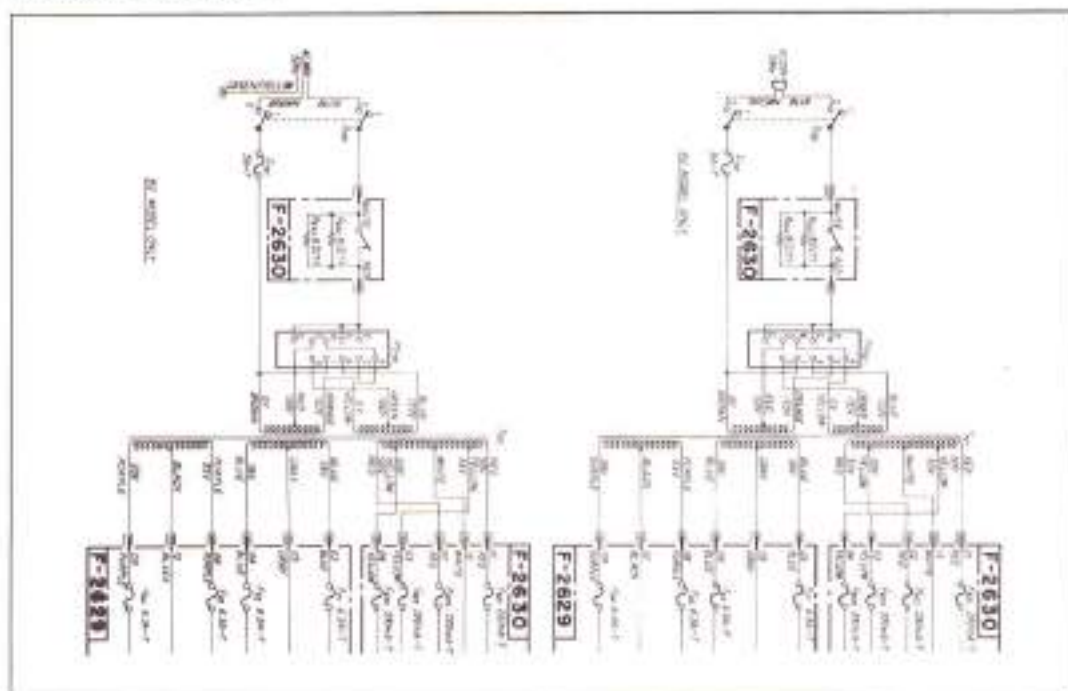


6-3. AU-11000A Power AMP. Section



6-4. AU-9900A Power Supply Section

EU, BS MODEL ONLY



6-5. AU-11000A Power Supply Section

EU, BS MODEL ONLY

