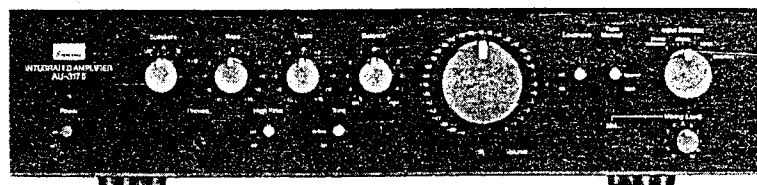




SERVICE MANUAL

INTEGRATED STEREO AMPLIFIER

SANSUI AU-117II
AU-217II
AU-317II



SANSUI ELECTRIC CO., LTD.

1323

SPECIFICATIONS

● AU-117II

Power output

Min. RMS, both channels driven, from 20 to 20,000 Hz,
with no more than 0.17 % harmonic distortion.

25 watts per channel into 8 ohms

Load impedance 8 ohms

Total harmonic distortion

. less than 0.17 % at or below rated
min. RMS power output

Intermodulation distortion (70 Hz : 7 kHz = 4:1 SMPTE
method) less than 0.17 % at or below rated
min. RMS power output

Frequency response (at 1 watt)

. 10 to 40,000 Hz +0.5 dB -2 dB

Damping factor approximately 50 at 8 ohms load

RIAA curve deviation (PHONO)

. +0.5 dB -0.5 dB
(30 to 15,000 Hz)

Input sensitivity and impedance (1 kHz, for rated power output)

PHONO 2.5 mV/47 kilohms

(Max. input capability; 160 mV at 1 kHz, less than
0.2 % total harmonic distortion)

AUX, TAPE 150 mV/47 kilohms

Output level (1,000 Hz)

TAPE REC (pin jack)

. 150 mV/47 kilohms

Channel separation (1 kHz, at rated power output)

PHONO better than 65 dB

AUX better than 68 dB

Hum and noise (short-circuit, A-network)

PHONO 76 dB

AUX 95 dB

Controls

BASS ±12 dB (50 Hz)

TREBLE ±11 dB (15 kHz)

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

LOUDNESS (-30 dB)

. 8 dB at 50 Hz
6 dB at 10 kHz

Power requirements

Power voltage 100, 120, 220, 240 V
(50/60 Hz)

For U.S.A. and Canada

. 120 V (60 Hz)

Power consumption . . . 80 watts

Dimensions 430 mm (16-15/16") W

110 mm (4-3/8") H

340 mm (13-7/16") D

Weight 6.7 kg (14.8 lbs) net

8.2 kg (18.1 lbs) packed

● AU-217II

Power output

Min. RMS, both channels driven, from 20 to 20,000 Hz,
with no more than 0.06 % harmonic distortion.

40 watts per channel into 8 ohms

Load impedance 8 ohms

Total harmonic distortion

. less than 0.06 % at or below rated
min. RMS power output

Intermodulation distortion (70 Hz : 7 kHz = 4:1 SMPTE
method) less than 0.06 % at or below rated
min. RMS power output

Frequency response (at 1 watt)

. 10 to 50,000 Hz +0.5 dB -1.5 dB

Damping factor approximately 80 at 8 ohms load

RIAA curve deviation (PHONO)

. +0.5 dB -0.5 dB
(30 to 15,000 Hz)

to be continued ►

<AU-217II>

Input sensitivity and impedance (1 kHz, for rated power output)

PHONO 2.5 mV/47 kilohms
(Max. input capability; 200 mV at 1 kHz, less than 0.05 % total harmonic distortion)

AUX, TAPE 150 mV/47 kilohms

Output level (1,000 Hz)

TAPE REC (pin jack)
. 150 mV/47 kilohms

Channel separation (1 kHz, at rated power output)

PHONO better than 65 dB

AUX better than 68 dB

Hum and noise (short-circuit, A-network)

PHONO 76 dB

AUX 95 dB

Controls

BASS ± 12 dB (50 Hz)

TREBLE ± 11 dB (15 kHz)

PHONO SUBSONIC

. -3 dB (13 Hz), 6 dB/oct

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

LOUDNESS (-30 dB)

. 8 dB at 50 Hz

. 6 dB at 10 kHz

Power requirements

Power voltage 100, 120, 220, 240 V

(50/60 Hz)

For U.S.A. and Canada

. 120 V (60 Hz)

Power consumption 120 watts

Dimensions 430 mm (16-15/16") W

. 110 mm (4-3/8") H

. 340 mm (13-7/16") D

Weight 8.3 kg (18.3 lbs) net

. 9.8 kg (21.6 lbs) packed

● AU-317II

Power output

Min. RMS, both channels driven, from 20 to 20,000 Hz,
with no more than 0.03 % harmonic distortion.

60 watts per channel into 8 ohms

Load impedance 8 ohms

Total harmonic distortion

. less than 0.03 % at or below rated
min. RMS power output

Intermodulation distortion (70 Hz : 7 kHz = 4:1 SMPTE
method) less than 0.03 % at or below rated
min. RMS power output

Frequency response (at 1 watt)

. 5 to 70,000 Hz +0 dB -1.8 dB

Damping factor (1 kHz, both channels driven)

. 70 into 8 ohms

RIAA curve deviation (PHONO, 20 Hz to 20 kHz)

. +0.2 dB, -0.2 dB

Input sensitivity and impedance (1 kHz)

PHONO 2.5 mV/47 kilohms

(Max. input capability; 220 mV at 1 kHz, less than 0.08 % total harmonic distortion)

AUX, TAPE 150 mV/47 kilohms

MIC 8 mV/10 kilohms

Output level and impedance (1,000 Hz)

TAPE REC 150 mV/47 kilohms

Channel separation (1 kHz, at rated power output)

PHONO better than 65 dB

AUX better than 75 dB

Hum and noise (short-circuit, A-network)

PHONO 77 dB

TAPE/AUX 100 dB

Controls

BASS ± 11 dB (50 Hz)

TREBLE ± 10 dB (15 kHz)

PHONO SUBSONIC

. -3 dB (13 Hz), 6 dB/oct

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

LOUDNESS (VOLUME control: -30 dB)

. 9 dB at 50 Hz

. 7 dB at 10 kHz

Power requirements

Power voltage 100, 120, 220, 240 V

(50/60 Hz)

For U.S.A. and Canada

. 120 V (60 Hz)

Power consumption

Maximum consumption

. 180 watts

Rated consumption

. 180 watts 220 VA

Dimensions 430 mm (16-15/16") W

. 110 mm (4-3/8") H

. 340 mm (13-7/16") D

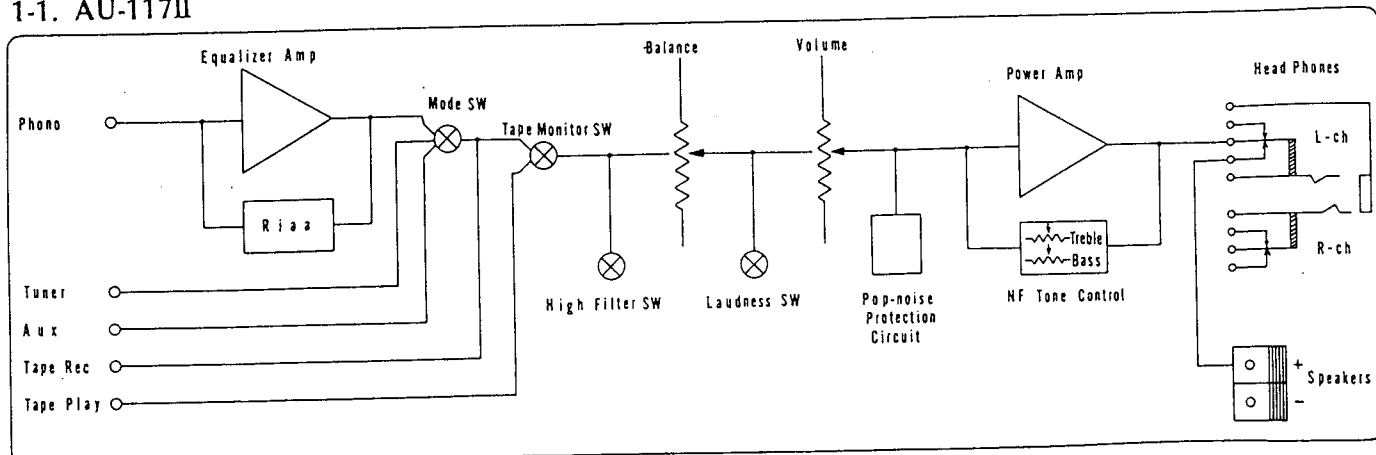
Weight 9.8 kg (21.6 lbs) net

. 11.3 kg (24.9 lbs) packed

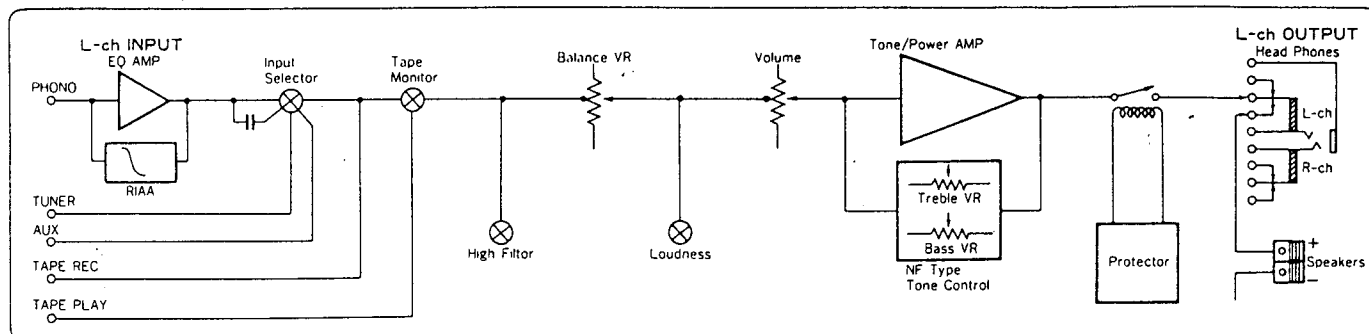
* Design and specifications subject to change without notice for improvements.

1. BLOCK DIAGRAM

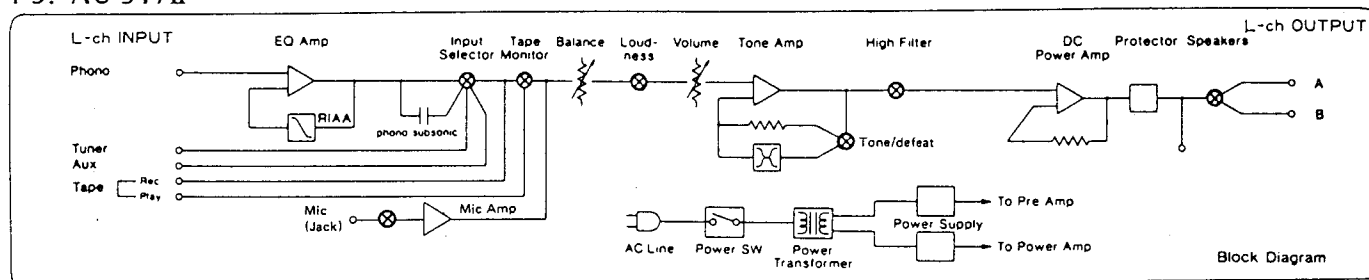
1-1. AU-117II



1-2. AU-217II



1-3. AU-317II



2. ADJUSTMENTS

- Note: 1. Master Volume Minimum
 2. Room Temperature 18°C ~ 28°C
 (65°F ~ 83°F)

2-1. AU-117II

- A) Bias Current adjustment (see the picture of Bottom View on page 7)

Note: 1. By turning adjustment volumes, VR05 and VR06 counterclockwise, the bias current is decreased.

	EQUIPMENT	MEASURE OUTPUT	ADJUST	ADJUST FOR
L-ch	DC Volt Meter	Between TP01 (+) and TP03 (-) F-2728	VR05 F-2728	13 mV
R-ch	DC Volt Meter	Between TP02 (+) and TP04 (-) F-2728	VR06 F-2728	13 mV

2-2. AU-217II

- A) Bias Current adjustment (see the picture of Top View on page 8)

Note: 1. By turning adjustment volumes, VR01 and VR02 counterclockwise, the bias current is decreased.

	EQUIPMENT	MEASURE OUTPUT	ADJUST	ADJUST FOR
L-ch	DC Volt Meter	TP Terminal (+) (-) of F-2760	F-2760 VR01	7 mV
R-ch	DC Volt Meter	TP Terminal (+) (-) of F-2760	F-2760 VR02	7 mV

3. For adjustment, run the unit for more than 3 minutes after the power is switched on.

2-3. AU-317II

- A) DC 0V adjustment (see the picture of Top View on page 8)

Note: At first, set VR01, VR03 for L-CH and VR02, VR04 for R-CH to center position, then make the rough adjustment by VR03, VR04 and fine adjust by VR01, VR02.

	EQUIPMENT	MEASURE OUTPUT	ADJUST	ADJUST FOR
L-ch	DC Volt Meter	Speaker Terminal between (+) and (-)	F-2754 VR03, VR01	DC 0V
R-ch	DC Volt Meter	Speaker Terminal between (+) and (-)	F-2754 VR04, VR02	DC 0V

- B) Bias Current adjustment (see the picture of Top View on page 8)

Note: 1. By turning adjustment volumes, VR05 and VR06 counterclockwise, the bias current is decreased.

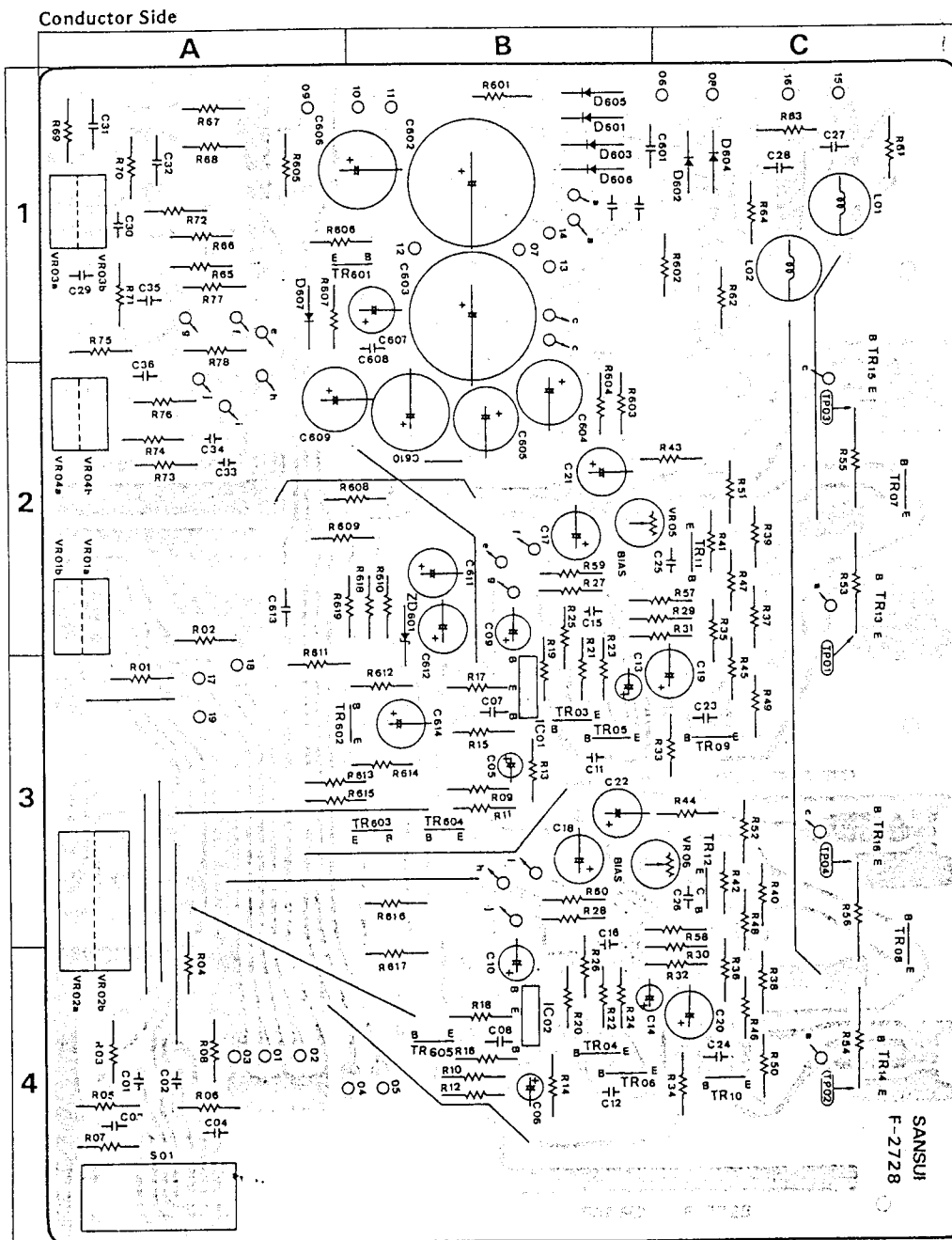
	EQUIPMENT	MEASURE OUTPUT	ADJUST	ADJUST FOR
L-ch	DC Volt Meter	Between TP01 (+) and TP03 (-) F-2754	F-2754 VR05	13 mV
R-ch	DC Volt Meter	Between TP02 (+) and TP04 (-) F-2754	F-2754 VR06	13 mV

3. PARTS LOCATION & PARTS LIST

3-1. AU-117II

A) F-2728 Tone Control & Driver Circuit Board (Stock No. 7572221) (AU-117II Only)

Since some of capacitors and resistors are omitted from parts lists in this Service Manual, refer to the common parts list for capacitors & resistors which was appended previously to each Sansui Manual



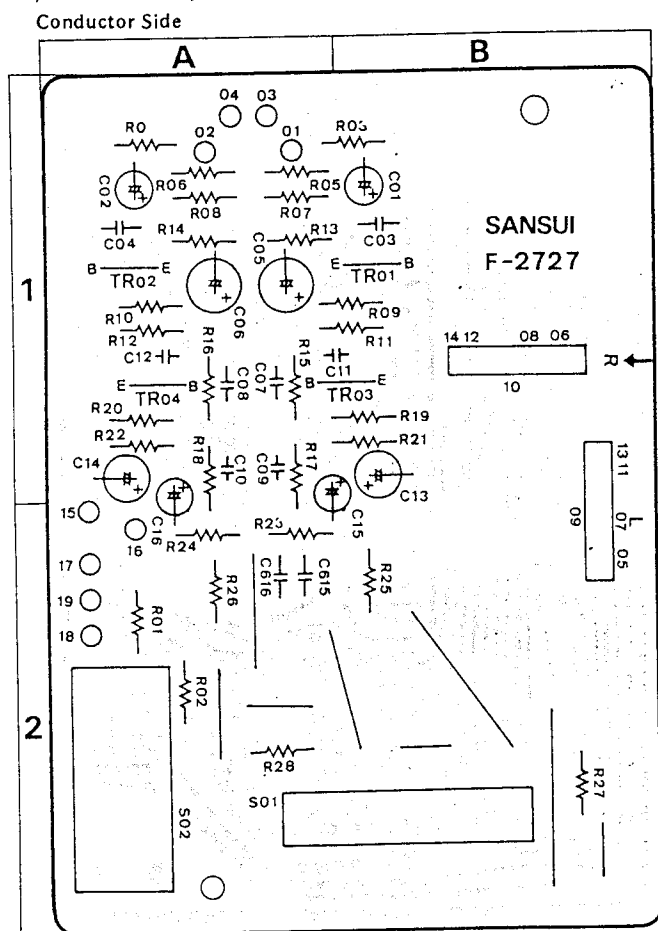
Parts List

Parts No.	Stock No.	Description	Position
*Transistor			
TR03, 04	0306740, 1	2SC1845 F	3B, 4B
TR05, 06	0306740, 1	2SC1845 F	3B, 4B
TR07, 08	0306070, 1	2SC1313 F, G	2C, 4C
TR09, 10	0308520, 1	2SD438 D, E	3C, 4C
TR11, 12	0303360, 1	2SB560MP D, E	2C, 3C
TR13, 14	0306541, 2	2SC1986 O, Y	2C, 4C
TR15, 16	0300911, 2	2SA771 (O), (Y)	1C, 3C
TR601	0306740, 1	2SC1845 F, E	1B
TR602	0305951, 2	2SC945 Q, P	3B
TR603	0305951, 2	2SC945 Q, P	3B
TR604	0305951, 2	2SC945 Q, P	3B
TR605	0305951, 2	2SC945 Q, P	4B
*IC			
IC 01, 02	0360290, 1	2SA798 F, G	3B, 4B
*Diode			
D 601	0310340	10D1	1B
D 602	0310340	10D1	1C

Parts No.	Stock No.	Description	Position
D 603	0310340	10D1	1B
D 604	0310340	10D1	1C
D 605	0310340	10D1	1B
D 606	0310340	10D1	1B
D 607	0311160	1S2473D	1A
*Zener Diode			
ZD601	0315970	EQA01-13R	2B
C 01, 02	0620391	390pF 50V P.C.	4A
C 601	0655103	10000pF 500V C.C.	1B
C 602	0549010	6800μF 35V E.C.	1B
C 603	0549010	6800μF 35V E.C.	1B
R 43, 44	0191101	100Ω 1/4W F.R.	2C, 3C
R 45, 46	0191221	220Ω 1/4W F.R.	3C, 4C
R 47, 48	0191221	220Ω 1/4W F.R.	2C, 3C
R 49, 50	0191689	6.8Ω 1/4W F.R.	3C, 4C
R 51, 52	0191689	6.8Ω 1/4W F.R.	2C, 3C
R 53, 54	0212338	0.33Ω 2W N.I.R.	2C, 4C

Parts No.	Stock No.	Description	Position
R 55, 56	0212338	0.33Ω 2W N.I.R.	2C, 3C
R 603	0192681	680Ω 1/2W F.R.	2B
R 607	0191220	22Ω 1/4W F.R.	1A
R 608	0191181	180Ω 1/4W F.R.	2B
L 01, 02	4210290	1.5μH Inductor	1C
VR01	1015270, 1	250kΩ MN x 2 Volume, balance	2A
VR02	1011120, 1	250kΩ A x 2 Volume, master	3A
VR03	1015260, 1	100kΩ C x 2 Volume, bass	1A
VR04	1015260, 1	100kΩ C x 2 Volume, treble	2A
VR05, 06	1035050	470Ω B Volume, bias current	2B, 3C
S 01	1171020	Lever Switch, loudness	4A

B) F-2727 Equalizer Circuit Board (Stock No. 7551491)(AU-117II Only)



Parts List

Parts No.	Stock No.	Description	Position
•Transistor			
TR01, 02	0301090, 1	2SA992 F	1B, 1A
TR03, 04	0306740, 1	2SC1845 F	1B, 1A
S 01	1101800	Rotary Switch, input selector	2B
S 02	1171050	Lever Switch, tape monitor	2A

Note:

The circuit boards, F-2726, F-2729 & F-2731 are not supplied as the assembled, the individual parts on the circuit boards, however are provided for orders.

C) F-2726 Input Terminal Circuit Board (AU-117II Only)

Parts List

Stock No.	Description
2200580	4P Input Terminal, tuner, aux, tape
2200600	2P Input Terminal, phono

D) F-2729 Filter Circuit Board (AU-117II Only)

Parts List

Parts No.	Stock No.	Description
S 01	1171020	Lever Switch, high filter

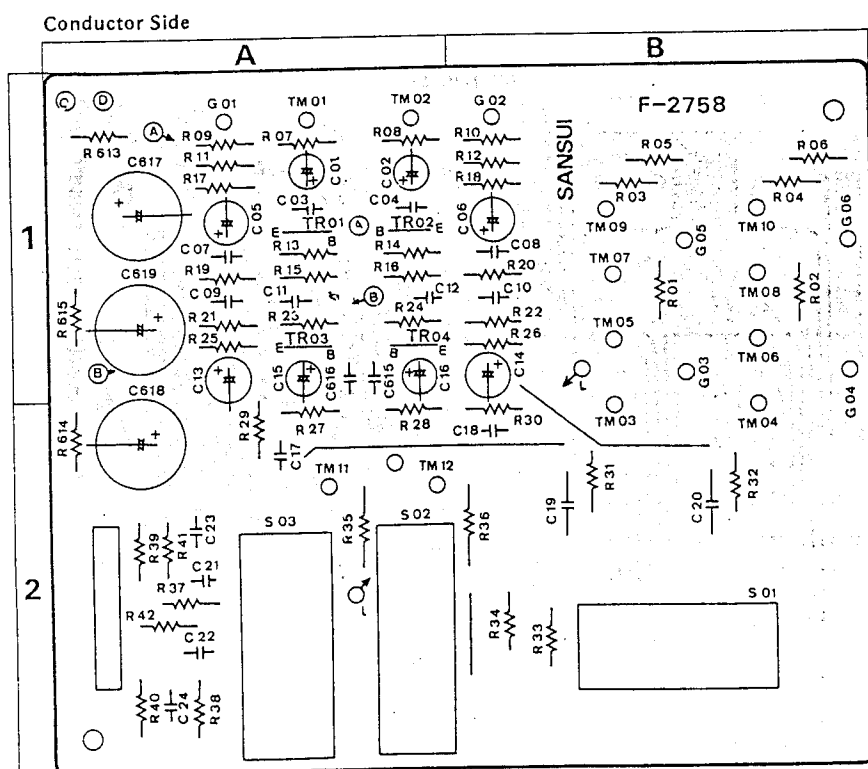
E) F-2731 Voltage Selector Circuit Board (AU-117II Only)

Parts List

Parts No.	Stock No.	Description
F 01	0432220	1A 250V AC Fuse
	0432240	2A 250V AC Fuse
	2310220	Fuse Holder (Large)

3-2. AU-217II

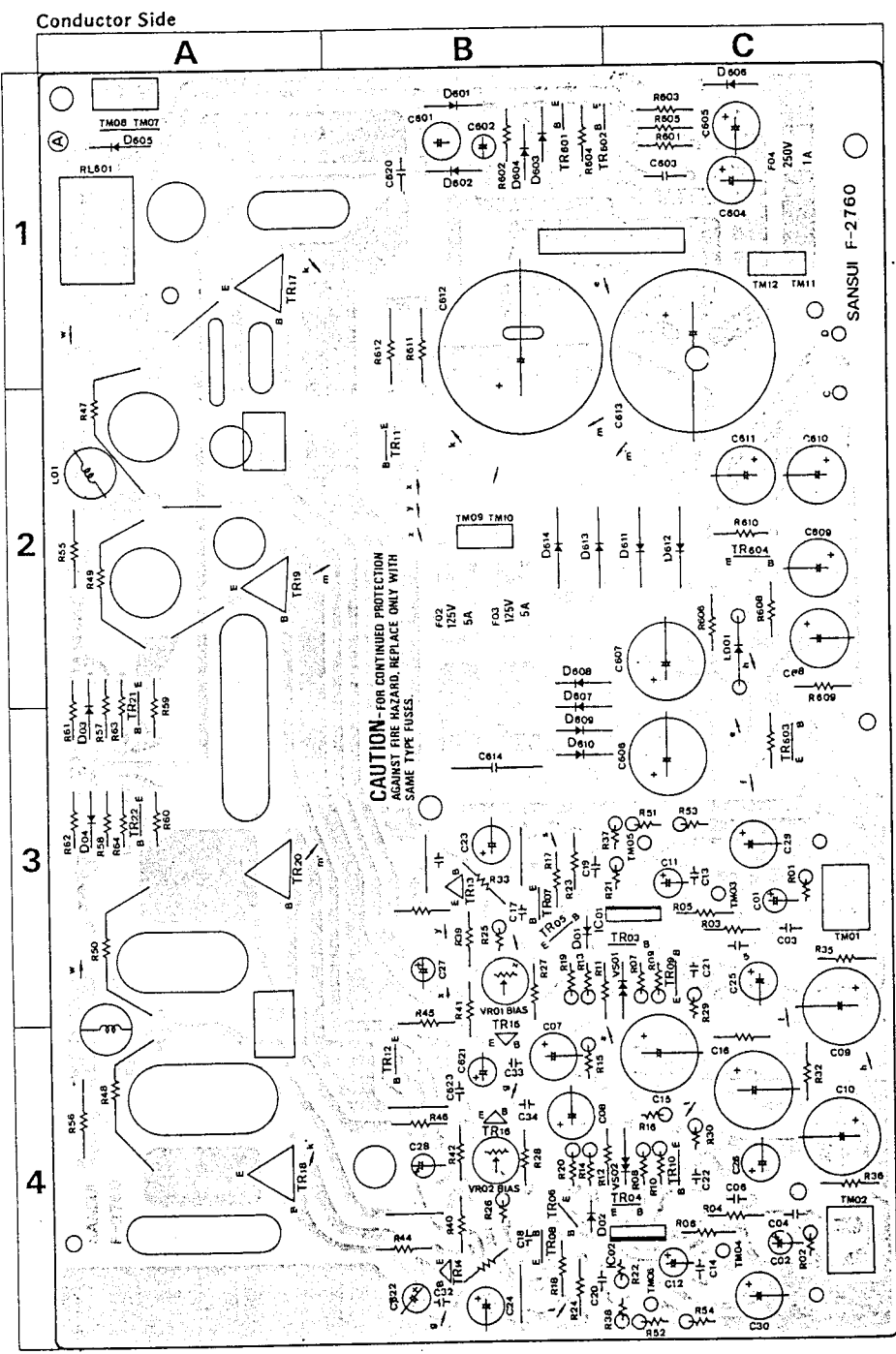
A) F-2758 Equalizer Circuit Board (Stock No. 7551481)(AU-217II Only)



Parts List

Parts No.	Stock No.	Description	Position
•Transistor			
TR01, 02	0301090, 1	2SA992 F	1A
TR03, 04	0306740, 1	2SC1845 F	1A
C 17, 18	0620621	620pF 50V P.C.	2A, 2B
C 21, 22	0620391	390pF 50V P.C.	2A
S 01	1102740	Rotary Switch, input selector	2B
S 02	1171030	Lever Switch, tape monitor	2A
S 04	1171020	Lever Switch, loudness	

B) F-2760 Power Amplifier Circuit Board (Stock No. 7572211) (AU-217II Only)



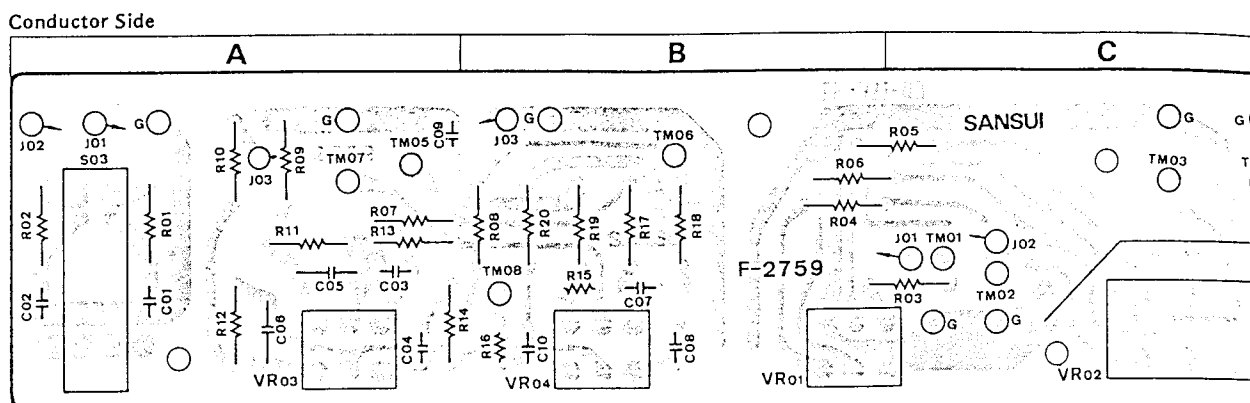
Parts List

Parts No.	Stock No.	Description	Position
•Transistor			
TR03, 04	0300470, 1	2SA726 F, G	3C, 4C
TR05, 06	0306740, 1	2SC1845 F, E	3B, 4B
TR07, 08	0301090, 1	2SA992 F, E	3B, 4B
TR09, 10	0306740, 1	2SC1845 F, E	3C, 4C
TR11, 12	0306070, 1	2SC1313 F, G	2B, 4B
TR13, 14	0308520, 1	2SD438 D, E	3B, 4B
TR15, 16	0303360, 1	2SB560MP D, E	4B
TR17, 18	0308541, 2	2SD188A R, Q	1A, 4A
TR19, 20	0303381, 2	2SB545A R, Q	2A, 3A
TR21, 22	0305951, 2	2SC945 Q, P	2, 3A, 3A
TR601	0305951, 2	2SC945 Q, P	1B
TR602	0305951, 2	2SC945 Q, P	1B, C
TR603	0308520, 1	2SD438 D, E	3C
TR604	0303360, 1	2SB560MP D, E	2C
•IC			
IC 01, 02	0360290, 1	2SA798 F, G	3C, 4C
•Diode			
D 01, 02	0311160	1S24730	3B, 4B
D 03, 04	0311160	1S24730	3A
D 601	0310400	1N34A	1B
D 602	0310400	1N34A	1B
D 603	0310400	1N34A	1B
D 604	0310400	1N34A	1B
D 605	0310340	10D1	1A
D 606	0310340	10D1	1C
D 607	0310340	10D1	3B
D 608	0310340	10D1	2B
D 609	0310340	10D1	3B
D 610	0310340	10D1	3B
D 611	0311530	30D2	2C
D 612	0311530	30D2	2C
D 613	0311530	30D2	2B
D 614	0311530	30D2	2B
•Varistor			
VS01, 02	0340150	MV12	3C, 4C
C 05, 06	0620101	100pF 50V P.C.	3C, 4C
C 612	0549111	6800µF 50V E.C.	1B
C 613	0549111	6800µF 50V E.C.	1C
C 614	0603227	0.022µF 125V M.C.	3B
R 23, 24	0191820	82Ω 1/4W F.R.	3B, 4B
R 29, 30	0193820	82Ω 1/4W F.R.	3C, 4C
R 39, 40	0191221	220Ω 1/4W F.R.	3B, 4B
R 41, 42	0191221	220Ω 1/4W F.R.	3B, 4B
R 43, 44	0191689	6.8Ω 1/4W F.R.	4B
R 45, 46	0191689	6.8Ω 1/4W F.R.	4B
R 47, 48	0132338	0.33Ω 2W C.R.	2A, 4A
R 49, 50	0132338	0.33Ω 2W C.R.	2A, 3A
R 51, 52	0231302	3.0kΩ 1/2W M.R.	3C, 4C
R 53, 54	0231241	240Ω 1/2W M.R.	3C, 4C
R 606	0211222	2.2kΩ 1W N.I.R.	2C
R 611	0103682	6.8kΩ 1/2W C.R.	1B
R 612	0103682	6.8kΩ 1/2W C.R.	1B
L 01, 02	4210290	RF Coil 1.5µH	2A
RL601	1150400	Relay	1A
	1150480	Relay	
	1150490	Relay	
VR01, 02	1035050	470Ω B Volume, bias current	3B, 4B
F 02, 03	0432290	5A 150V AC Fuse	2B
F 04	0432220	1A 250V AC Fuse	1C
	2030050	Power Transistor Socket	

Abbreviations

C.R.	: Carbon Resistor	E.C.	: Electrolytic Capacitor
S.R.	: Solid Resistor	BP.E.C.	: Bi-Polar Electrolytic Capacitor
Ce.R.	: Cement Resistor	C.C.	: Ceramic Capacitor
M.R.	: Metal Film Resistor	Mi.C.	: Mica Capacitor
F.R.	: Fusing Resistor	O.C.	: Oil Capacitor
N.I.R.	: Non-Inflammable Resistor	P.C.	: Polystyrene Capacitor
M.C.	: Mylar Capacitor	T.C.	: Tantalum Capacitor

C) F-2759 Tone Control Circuit Board (Stock No. 7562791) (AU-217II Only)



Parts List

Parts No.	Stock No.	Description	Position	Parts No.	Stock No.	Description	Position
VR01	1015270, 1	250k Ω MN $\times$ 2	B	VR04	1015260, 1	100k Ω C $\times$ 2	B
VR02	1011120, 1	250k Ω A $\times$ 2	C			Volume, treble	
VR03	1015260, 1	100k Ω C $\times$ 2	A	S 04	1171020	Lever Switch, hi filter	
		Volume, master					
		100k Ω C $\times$ 2					

Note: The circuit boards, F-2757, F-2755 & F-2731 are not supplied as the assembled, the individual parts on the circuit boards, however are provided for orders.

D) F-2757 Input Terminal Circuit Board (AU-217II Only)

Parts List

Stock No.	Description
2200580	Input Terminal, tuner, aux, tape
2200600	Input Terminal, phone

E) F-2755 Output Connection Circuit Board (AU-217II Only)

Parts List

Parts No.	Stock No.	Description
R 01, 02	0211100	10 Ω 1W N.I.R.
R 03, 04	0211221	220 Ω 1W N.I.R.
J 01	2430350	Jack, headphone

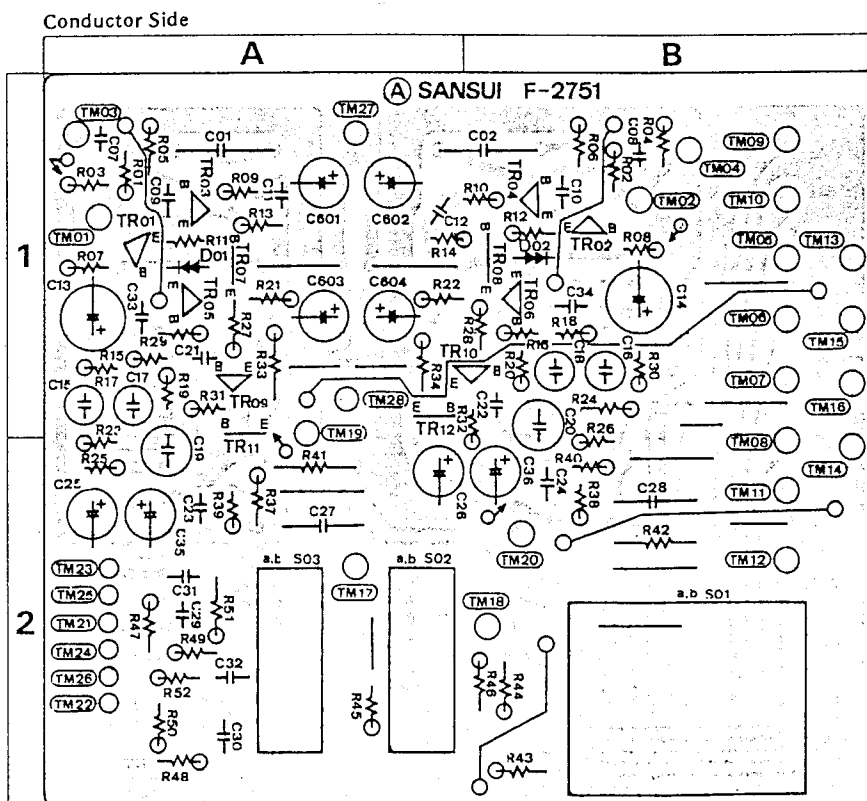
F) F-2731 Voltage Selector Circuit Board (AU-217II Only)

Parts List

Parts No.	Stock No.	Description
F 01	0432240	2A 250V AC Fuse
	0432260	3A 250V AC Fuse
	2310220	Fuse Holder (Large)

3-3. AU-317II

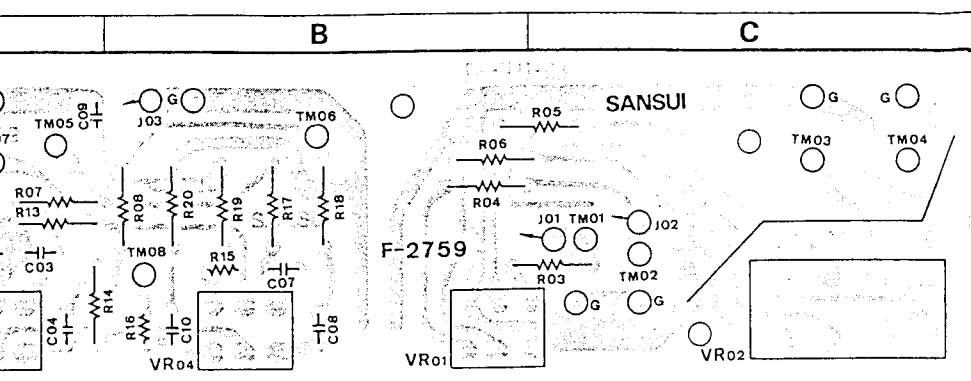
A) F-2751 Equalizer Circuit Board (Stock No. 7551501) (AU-317II Only)



Parts List

Parts No.	Stock No.	Description
• Transistor		
TR01, 02	0301090, 1	2SA992 F, E
TR03, 04	0301170, 1	2SA991 F, E
TR05, 06	0301170, 1	2SA991 F, E
TR07, 08	0306740, 1	2SC1845 F, E
TR09, 10	0306740, 1	2SC1845 F, E
TR11, 12	0303360, 1	2SB560MP D, E
• Varistor		
D 01, 02	0340150	MV12
C 01, 02	0602109	1.0 μ F 100V M.C.
C 07, 08	0620101	100pF 50V P.C.
C 11, 12	0620101	100pF 50V P.C.
C 15, 16	0620151	150pF 50V P.C.
C 17, 18	0625272	2700pF 50V P.C.
C 19, 20	0625103	10000pF 50V P.C.
C 31, 32	0620391	390pF 50V P.C.
R 15, 16	0231561	560 Ω 1/2W M.R.
R 17, 18	0231220	22 Ω 1/2W M.R.
R 19, 20	0231273	27k Ω 1/2W M.R.
R 23, 24	0231304	300k Ω 1/2W M.R.
R 25, 26	0231153	15k Ω 1/2W M.R.
R 33, 34	0103392	3.9k Ω 1/2W C.R.
S 01	1102740	Rotary Switch, input sel
S 02	1171030	Lever Switch, tape moni
S 03	1171020	Lever Switch, loudness

Circuit Board (Stock No. 7562791) (AU-217II Only)



Parts No.	Description	Position	Parts No.	Stock No.	Description	Position
VR04	1015260, 1	100kΩ C x 2 Volume, treble	B			
S 04	1171020	Lever Switch, hi filter				

boards, F-2757, F-2755 & F-2731 are not supplied as the assembled, the individual circuit boards, however are provided for orders.

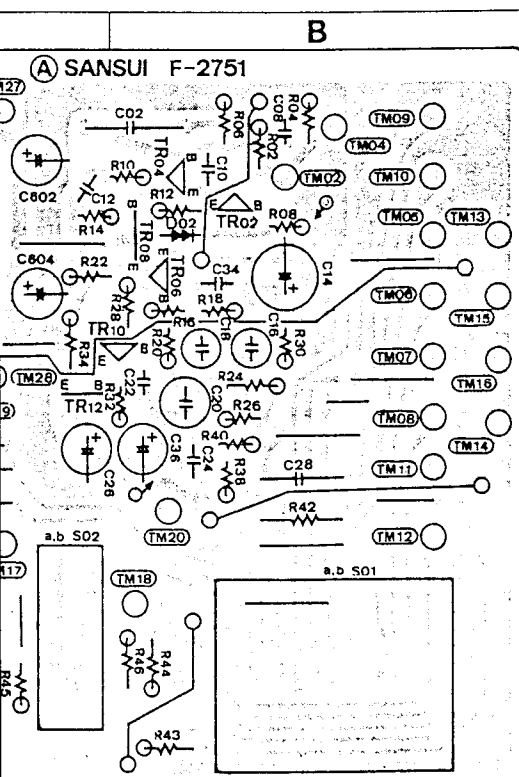
E) F-2755 Output Connection Circuit Board (AU-217II Only)

Parts No.	Stock No.	Description
R 01, 02	0211100	10Ω 1W N.I.R.
R 03, 04	0211221	220Ω 1W N.I.R.
J 01	2430350	Jack, headphone

F) F-2731 Voltage Selector Circuit Board (AU-217II Only)

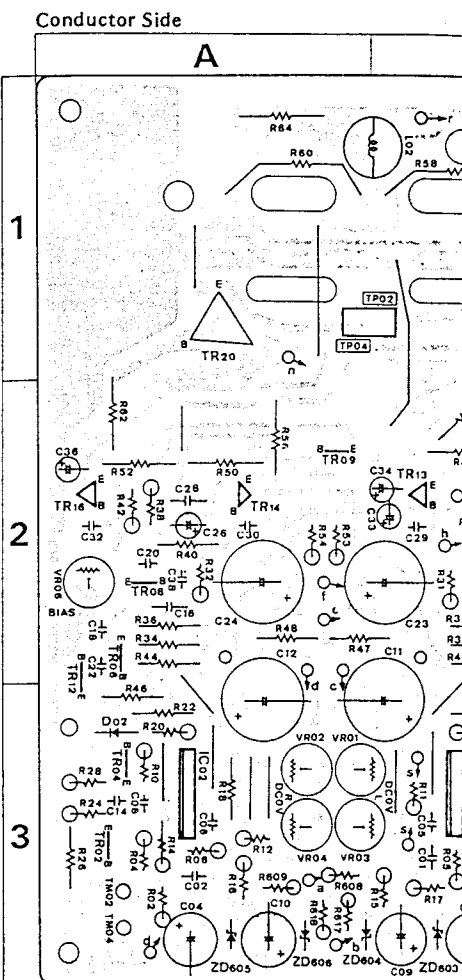
Parts No.	Stock No.	Description
F 01	0432240	2A 250V AC Fuse
	0432260	3A 250V AC Fuse
	2310220	Fuse Holder (Large)

Board (Stock No. 7551501) (AU-317II Only)



Parts No.	Stock No.	Description	Position
•Transistor			
TR01, 02	0301090, 1	2SA992 F, E	1A, 1B
TR03, 04	0301170, 1	2SA991 F, E	1A, 1B
TR05, 06	0301170, 1	2SA991 F, E	1A, 1B
TR07, 08	0306740, 1	2SC1845 F, E	1A, 1B
TR09, 10	0306740, 1	2SC1845 F, E	1A, 1B
TR11, 12	0303360, 1	2SB560MP D, E	1A
•Varistor			
D 01, 02	0340150	MV12	1A, 1B
•Capacitor			
C 01, 02	0602109	1.0μF 100V M.C.	1A, 1B
C 07, 08	0620101	100pF 50V P.C.	1A, 1B
C 11, 12	0620101	100pF 50V P.C.	1A
C 15, 16	0620151	150pF 50V P.C.	1A, 1B
C 17, 18	0625272	2700pF 50V P.C.	1A, 1B
C 19, 20	0625103	10000pF 50V P.C.	2A, 1B
C 31, 32	0620391	390pF 50V P.C.	2A
•Resistor			
R 15, 16	0231561	560Ω 1/2W M.R.	1A, 1B
R 17, 18	0231220	22Ω 1/2W M.R.	1A, 1B
R 19, 20	0231273	27kΩ 1/2W M.R.	1A, 1B
R 23, 24	0231304	300kΩ 1/2W M.R.	2A, 1B
R 25, 26	0231153	15kΩ 1/2W M.R.	2A, 2B
R 33, 34	0103392	3.9kΩ 1/2W C.R.	1A
•Switch			
S 01	1102740	Rotary Switch, input selector	1B
S 02	1171030	Lever Switch, tape monitor	2A
S 03	1171020	Lever Switch, loudness	2A

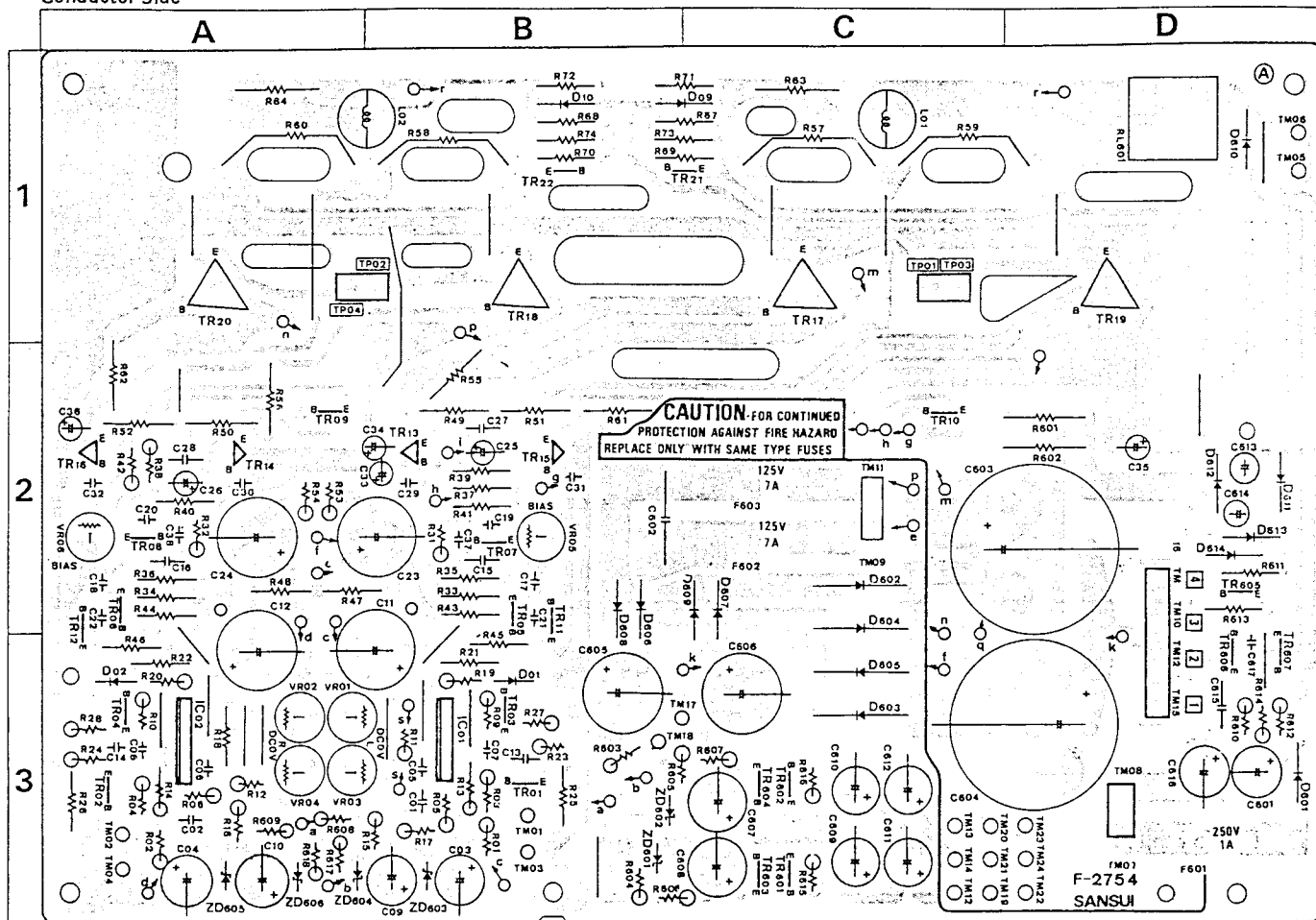
B) F-2754 Power Amplifier Circuit



Parts No.	Stock No.	Description	Position
•Transistor			
TR01, 02	0306740, 1	2SC1845 F, E	3B, 3A
TR03, 04	0306740, 1	2SC1845 F, E	3B, 3A
TR05, 06	0301090, 1	2SA992 F, E	2B, 2A
TR07, 08	0300760, 1	2SA917 1, 2	2B, 2A
TR09, 10	0306070, 1	2SC1313 F, G	2A, 2C
TR11, 12	0306360, 1	2SC1951 1, 2	2B, 2A
TR13, 14	0308611, 2	2SD357 D, E	2B, 2A
TR15, 16	0303441, 2	2SB527 D, E	2B, 2A
TR17, 18	0308571, 2	2SC2261 O, Y	1C, 1B
TR19, 20	0300951, 2	2SA981 O, Y	1D, 1A
TR21, 22	0305951, 2	2SC945 Q, P	1C, 1B
TR601	0308611, 2	2SD357 D, E	3C
TR602	0303441, 2	2SB527 D, E	3C
TR603	0306740, 1	2SC1845 F, E	3C
TR604	0301090, 1	2SA992 F, E	3C
TR605	0305951, 2	2SC945 Q, P	2D
TR606	0305951, 2	2SC945 Q, P	3D
TR607	0305951, 2	2SC945 Q, P	3D
•IC			
IC 01, 02	0370281, 2	2SK109 D, E	3B, 3A
•Diodes			
D 01, 02	0311160	1S2473D	3B, 3A

B) F-2754 Power Amplifier Circuit Board (Stock No. 7572231)(AU-317II Only)

Conductor Side



Parts List

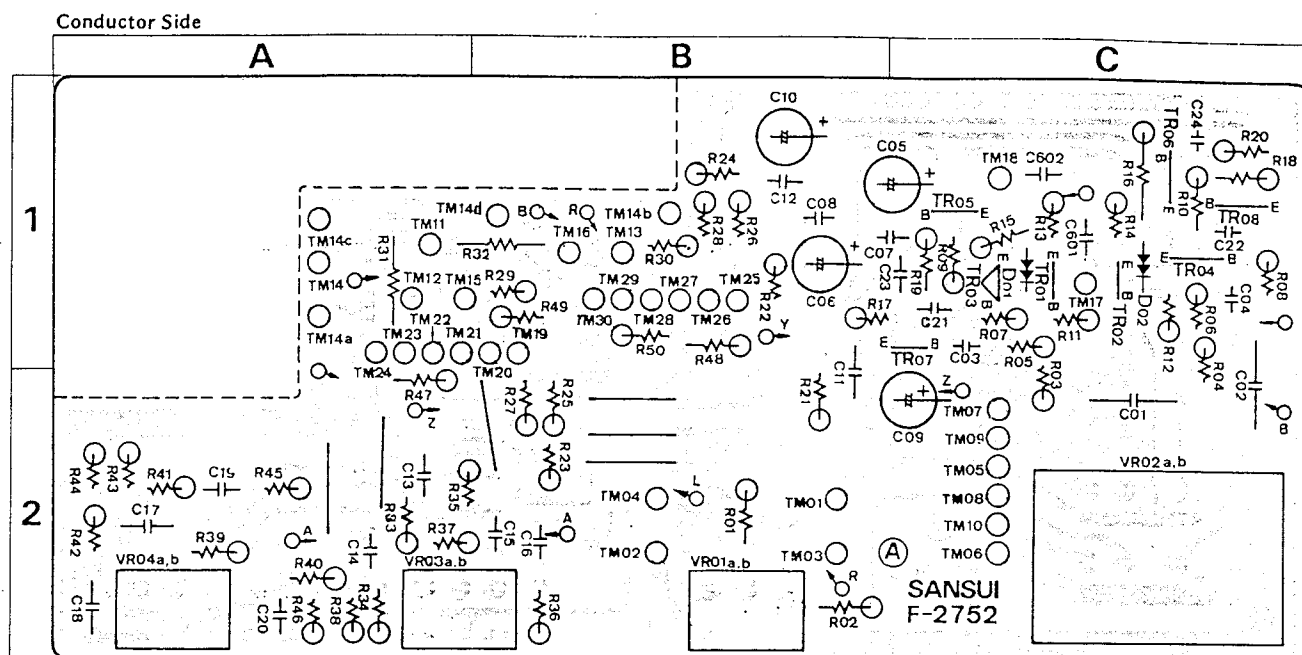
Position

Parts No.	Stock No.	Description	Position
•Transistor			
TR01, 02	0306740, 1	2SC1845 F, E	3B, 3A
TR03, 04	0306740, 1	2SC1845 F, E	3B, 3A
TR05, 06	0301090, 1	2SA992 F, E	2B, 2A
TR07, 08	0300760, 1	2SA917 1, 2	2B, 2A
TR09, 10	0306070, 1	2SC1313 F, G	2A, 2C
TR11, 12	0306360, 1	2SC1951 1, 2	2B, 2A
TR13, 14	0308611, 2	2SD357 D, E	2B, 2A
TR15, 16	0303441, 2	2SB527 D, E	2B, 2A
TR17, 18	0306571, 2	2SC2261 O, Y	1C, 1B
TR19, 20	0300951, 2	2SA981 O, Y	1D, 1A
TR21, 22	0305951, 2	2SC945 Q, P	1C, 1B
TR601	0308611, 2	2SD357 D, E	3C
TR602	0303441, 2	2SB527 D, E	3C
TR603	0306740, 1	2SC1845 F, E	3C
TR604	0301090, 1	2SA992 F, E	3C
TR605	0305951, 2	2SC945 Q, P	3D
TR606	0305951, 2	2SC945 Q, P	3D
TR607	0305951, 2	2SC945 Q, P	3D
•Ic			
IC 01, 02	0370281, 2	2SK109 D, E	3B, 3A
•Diodes			
D 01, 02	0311160	1S2473D	3B, 3A

Parts No.	Stock No.	Description	Position
D 09, 10	0311160	1S2473D	1B
D 601	0310340	10D1	3D
D 602	0311570	ERD03-02H	2C
D 603	0311570	ERD03-02H	3C
D 604	0311570	ERD03-02H	2C
D 605	0311570	ERD03-02H	3C
D 606	0310340	10D1	2B
D 607	0310340	10D1	2B
D 608	0310340	10D1	2B
D 609	0310340	10D1	2C
D 610	0310340	10D1	1D
D 611 ~ 14	0310400	1N34A	2D
•Zener Diode			
ZD601	0316110	EQA01-30R	3B
ZD602	0316110	EQA01-30R	3B
ZD603, 04	0316020	EQA01-18R	3B, 3A
ZD605, 06	0316020	EQA01-18R	3A, 3A
C 01, 02	0620101	100pF 50V P.C.	3B, 3A
C 07, 08	0620271	270pF 50V P.C.	1B, 3A
C 602	0605477	0.047μF 250V M.C.	2B
C 603	0549905	10000μF 56V E.C.	2D
C 604	0549905	10000μF 56V E.C.	3D
C 901, 02	0602109	1.0μF 100VV M.C.	

Parts No.	Stock No.	Description	Position
R 35, 36	0191820	82Ω 1/4W F.R.	2B, 2A
R 45, 46	0191820	82Ω 1/4W F.R.	3B, 3A
R 57, 58	0135338	0.33Ω 5W Ce.R.	1C, 1B
R 59, 60	0135338	0.33Ω 5W Ce.R.	1C, 1A
R 63, 64	0212229	2.2Ω 2W N.I.R.	1C, 1A
R 601	0103822	8.2kΩ 1/2W C.R.	2D
R 602	0103822	8.2kΩ 1/2W C.R.	2D
R 603	0202272	2.7kΩ 2W N.I.R.	3B
L 01, 02	4210290	RF Coil 1.5μH	1C, 1B
		1150400	Relay
		1150480	Relay
		1150490	Relay
VR01, 02	1034230	2.2kΩ B Volume, DC 0V	3A
VR03, 04	1034150	100Ω B Volume, DC 0V	3A
VR05, 06	1035070	1kΩ B Volume, bias current	2B
F 601	0432220	1A 250V AC Fuse	3D
F 602, 03	0432500	7A 125V AC Fuse	2C
		2030050	Power Transistor Socket

C) F-2752 Tone Control Circuit Board (Stock No. 7562801)(AU-317II Only)



Parts List

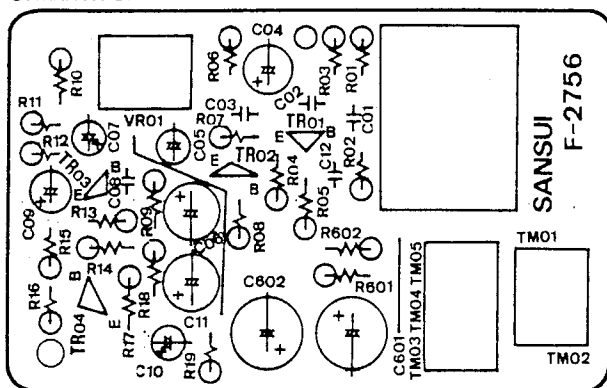
Parts No.	Stock No.	Description	Position
•Transistor			
TR01, 02	0301090, 1	2SA992 F, E	1C
TR03, 04	0301170, 1	2SA991 F, E	1C
TR05, 06	0301170, 1	2SA991 F, E	1C
TR07, 08	0306740, 1	2SC1845 F, E	1C

Parts No.	Stock No.	Description	Position
•Varistor			
D 01, 02	0340150	MV12	1C
R 17, 18	0193680	68Ω 1/4W F.R.	1B, 1C
VR01	1015320, 1	250kΩ MN x 2	2B
		Volume, balance	

Parts No.	Stock No.	Description	Position
VR02	1090290	150kΩ B x 2	2C
		Volume, master	
VR03	1015310, 1	100kΩ C x 2	2A
		Volume, treble	
VR04	1015310, 1	100kΩ C x 2	2A
		Volume, bass	

D) F-2756 Mic Amp Circuit Board (Stock No. 7610431)(AU-317II Only)

Conductor Side



Parts List

Parts No.	Stock No.	Description
•Transistor		
TR01	0301090, 1	2SA992 F, E
TR02	0306740, 1	2SC1845 F, E
TR03	0301090, 1	2SA992 F, E
TR04	0306740, 1	2SC1845 F, E
R 601, 602	0193121	120Ω 1/4W F.R.
VR01	1090270	20kΩ (A) Volume, mixing level
J 01	2430330	Jack Mic

Note: The circuit boards, F-2750, F-2768, F-2753 & F-2731 are not supplied as the assembled, the individual parts on the circuit boards, however are provided for orders.

E) F-2750 Input Terminal Circuit Board (AU-317II Only)

Parts List

Parts No.	Stock No.	Description
	2200580	Input Terminal, tuner, aux, tape
	2200600	Input Terminal, phono

F) F-2768 Output Connection Circuit Board (AU-317II Only)

Parts List

Parts No.	Stock No.	Description
R 01, 02	0212221	220Ω 2W N.I.R.
R 03, 04	0202100	10Ω 2W N.I.R.
J 01	2430350	Jack, headphone

G) F-2753 Filter Circuit Board(AU-317II Only)

Parts List

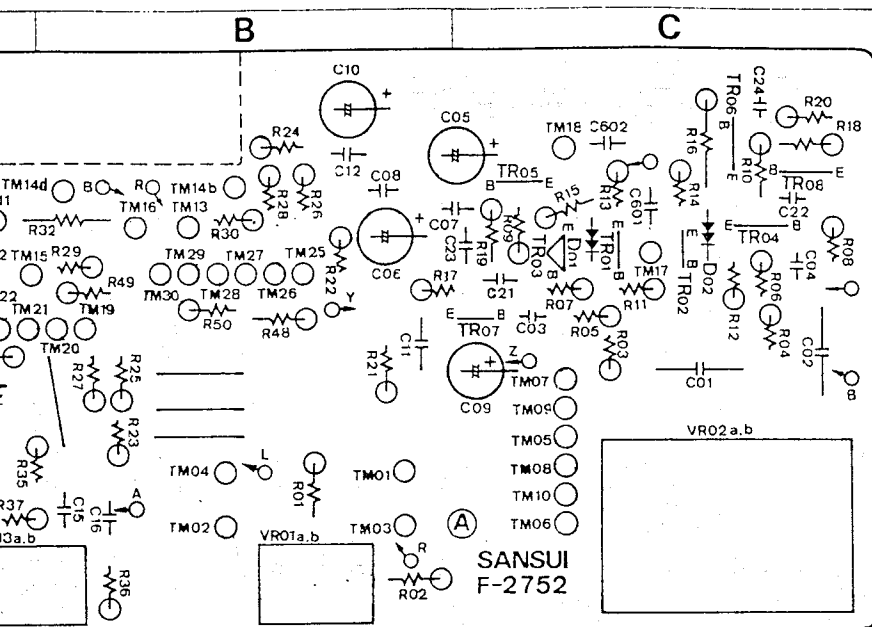
Parts No.	Stock No.	Description
S 01	1171040	Lever Switch, tone defeat
S 02	1171020	Lever Switch, high filter

H) F-2731 Voltage Selector Circuit Board (AU-317II Only)

Parts List

Parts No.	Stock No.	Description
F 01	0432260	3A 250V AC Fuse
	0432290	5A 125V AC Fuse
	2310220	Fuse Holder (Large)

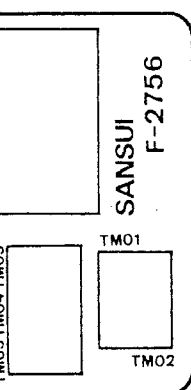
board (Stock No. 7562801)(AU-317II Only)



Parts No.	Stock No.	Description	Position
•Varistor			
D 01, 02	0340150	MV12	1C
R 17, 18	0193680	68Ω 1/4W F.R.	1B, 1C
VR01	1015320, 1	250kΩ MN x 2 Volume, balance	2B

Parts No.	Stock No.	Description	Position
VR02	1090290	150kΩ B x 2 Volume, master	2C
VR03	1015310, 1	100kΩ C x 2 Volume, treble	2A
VR04	1015310, 1	100kΩ C x 2 Volume, bass	2A

(Stock No. 7610431)(AU-317II Only)



Note: The circuit boards, F-2750, F-2768, F-2753 & F-2731 are not supplied as the assembled, the individual parts on the circuit boards, however are provided for orders.

E) F-2750 Input Terminal Circuit Board (AU-317II Only)

Parts List

Parts No.	Stock No.	Description
	2200580	Input Terminal, tuner, aux, tape
	2200600	Input Terminal, phono

F) F-2768 Output Connection Circuit Board (AU-317II Only)

Parts List

Parts No.	Stock No.	Description
R 01, 02	0212221	220Ω 2W N.I.R.
R 03, 04	0202100	10Ω 2W N.I.R.
J 01	2430350	Jack, headphone

G) F-2753 Filter Circuit Board(AU-317II Only)

Parts List

Parts No.	Stock No.	Description
S 01	1171040	Lever Switch, tone defeat
S 02	1171020	Lever Switch, high filter

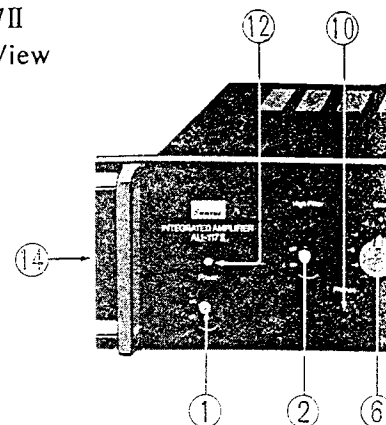
H) F-2731 Voltage Selector Circuit Board (AU-317II Only)

Parts List

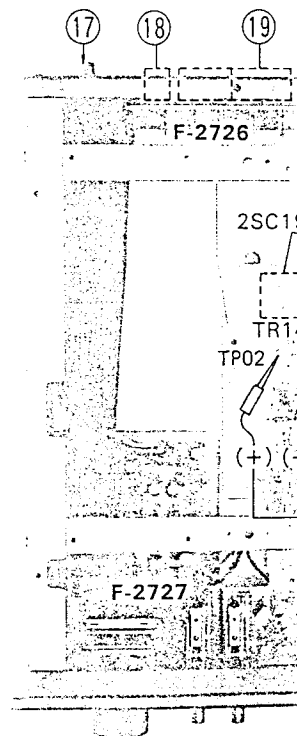
Parts No.	Stock No.	Description
F 01	0432260	3A 250V AC Fuse
	0432290	5A 125V AC Fuse
	2310220	Fuse Holder (Large)

4. OTHER PARTS

4-1. AU-117II Front View



Bottom View

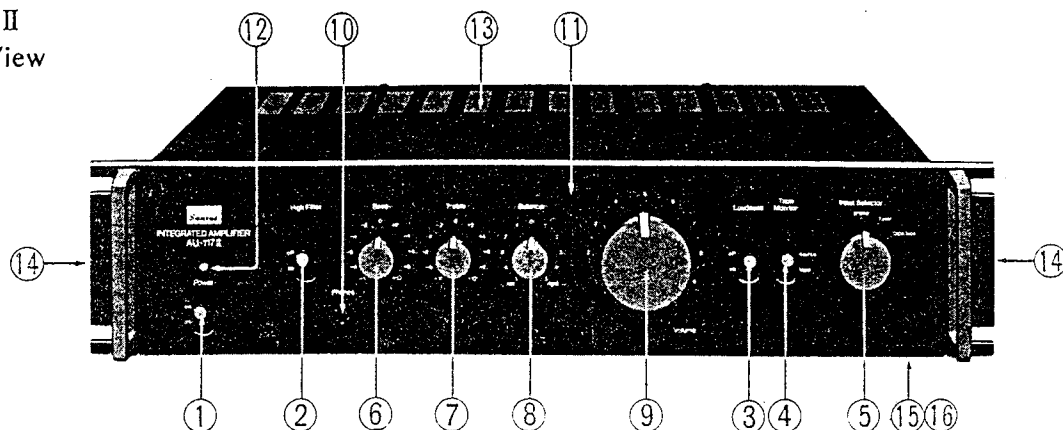


Parts List <Front & Bottom View>

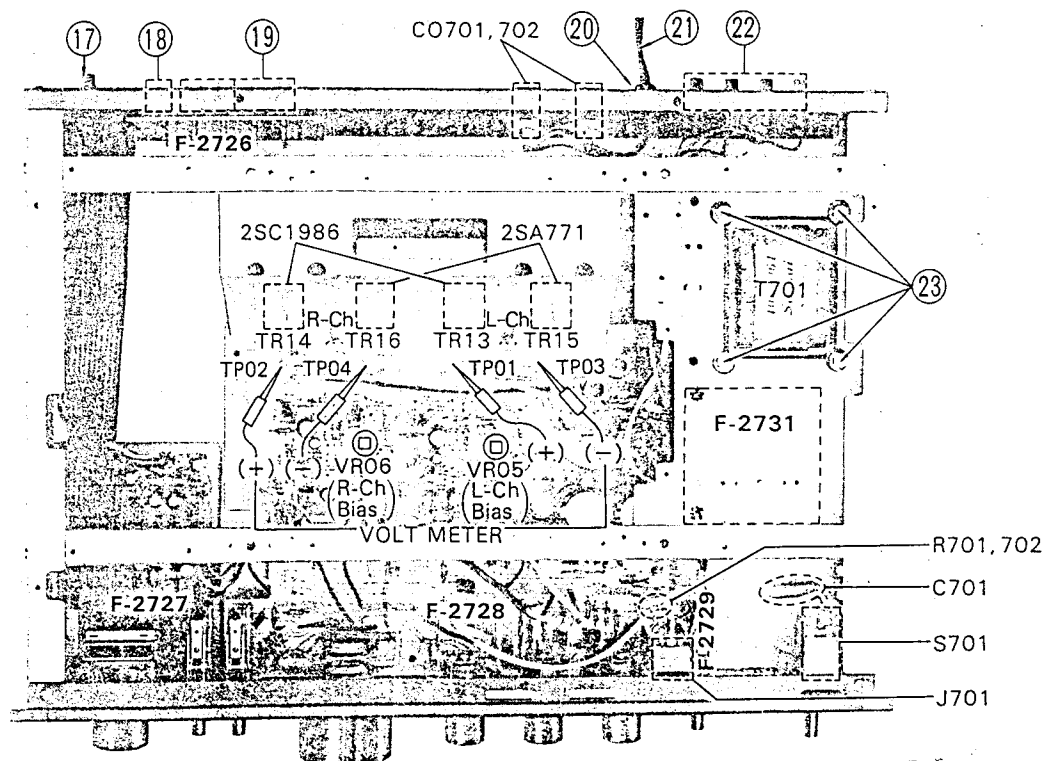
Parts No.	Stock No.	Description	Parts No.
1	5326612	Lever Switch Knob	9
	1172000	Lever Switch, power	
2	5326612	Lever Switch Knob	
	1171020	Lever Switch, high filter	10
3	5326612	Lever Switch Knob	11
	1171020	Lever Switch, loudness	
4	5326612	Lever Switch Knob	12
	1171050	Lever Switch, tape monitor	13
5	5318920	M-10 T.Y. Knob	14
	1101800	Rotary Switch, input selector	15
	5048040	Masking Sheet (B)	16
	5318930	S-14 T.Y. Knob	17
6	1015260, 1	100kΩ (C) x 2 Bass Volume	18
	5048020	Masking Sheet (D)	19
	5318930	S-14 T.Y. Knob	20
7	1015260, 1	100kΩ (C) x 2 Treble Volume	21
	5048020	Masking Sheet (D)	22
	5318930	S-14 T.Y. Knob	23
8	1015270, 1	250kΩ (MN) x 2 Balance Volume	
	5048020	Masking Sheet (D)	

4. OTHER PARTS

4-1. AU-117II Front View



Bottom View



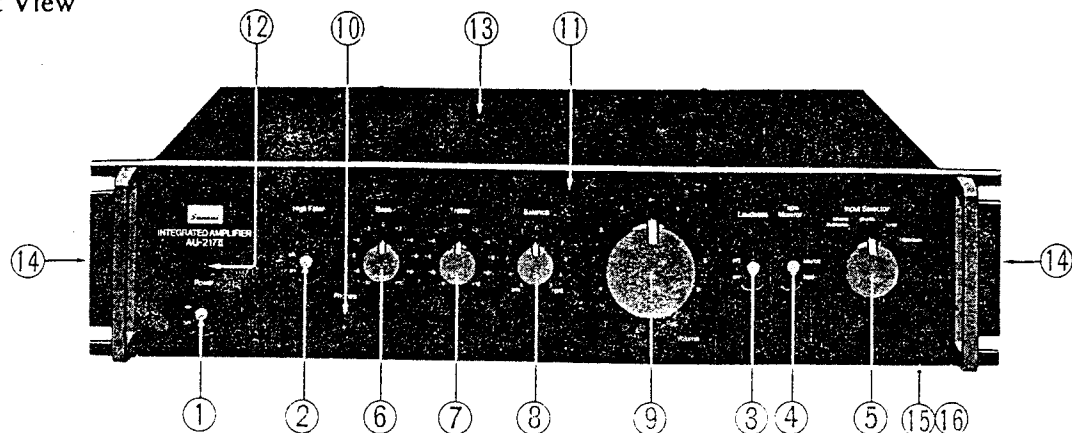
Parts List <Front & Bottom View>

Parts No.	Stock No.	Description
1	5326612	Lever Switch Knob
	1172000	Lever Switch, power
2	5326612	Lever Switch Knob
	1171020	Lever Switch, high filter
3	5326612	Lever Switch Knob
	1171020	Lever Switch, loudness
4	5326612	Lever Switch Knob
	1171050	Lever Switch, tape monitor
	5318920	M-10 TY Knob
5	1101800	Rotary Switch, input selector
	5048040	Masking Sheet (B)
	5318930	S-14 TY Knob
6	1015260, 1	100k Ω (C) x 2 Bass Volume
	5048020	Masking Sheet (D)
	5318930	S-14 TY Knob
7	1015260, 1	100k Ω (C) x 2 Treble Volume
	5048020	Masking Sheet (D)
	5318930	S-14 TY Knob
8	1015270, 1	250k Ω (MNI) x 2 Balance Volume
	5048020	Masking Sheet (D)

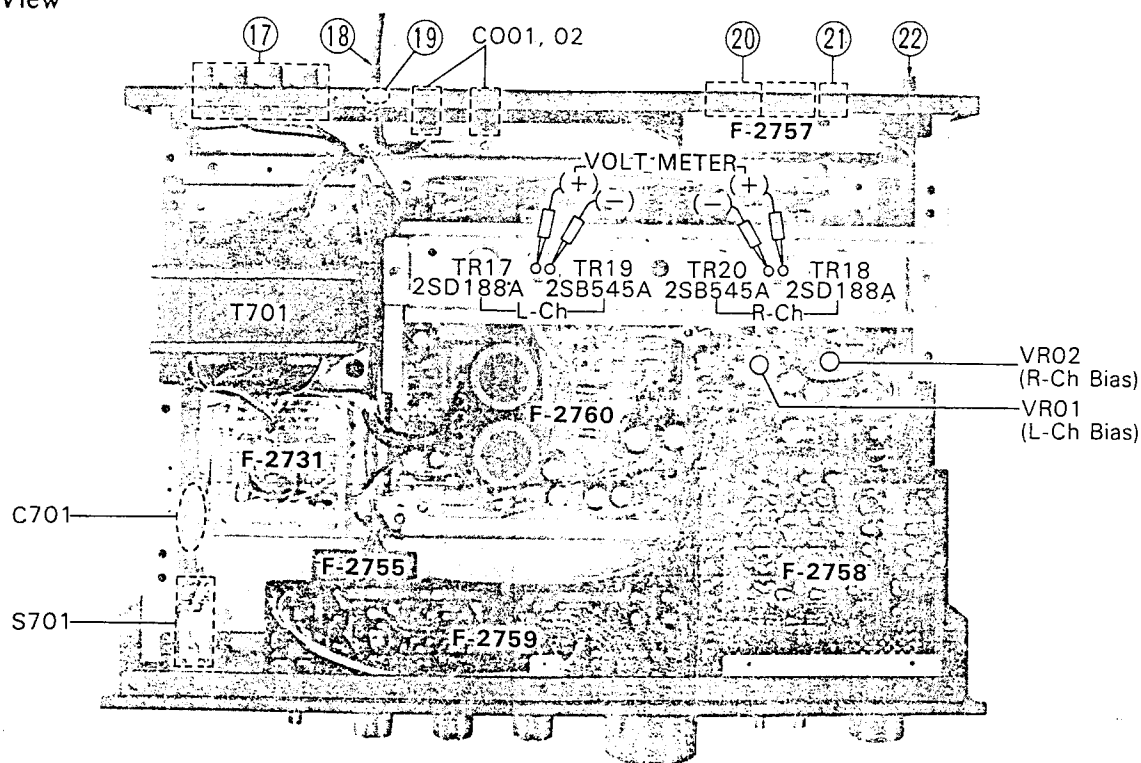
Parts No.	Stock No.	Description
9	5318910	Volume Knob
	1011120, 1	250k Ω x 2 Volume
	5048050	Masking Sheet (A)
	5288962	Plate For VR (IM8)
10	2430300	Head Phone Jack
11	7008250	Front Panel Ass'y
	0319120	LED
12	0319120	LED
13	5006920	Bonnet
14	5396700	Rack-mounting Adaptor (each)
15	5058773	Bottom Plate
16	5507350	Leg
17	2230150	Ground Terminal
18	2200580	Input Terminal, tuner, aux, tape
19	2200600	Input Terminal, phono
20	3910600	Strain Relief
21	3800470	Power Cord
22	2210410	Speaker Terminal
23	5110903	Flange Nut

Parts No.	Stock No.	Description
•Transistor		
TR13, 14	0306541, 2	2SC1986 O, Y
TR15, 16	0300911, 2	2SA771 O, Y
C 701	0659811	0.01 μ F 125V C.C.
R 701, 702	0201221	220 Ω 1W N.I.R.
CO701, 702	2450070	AC Outlet
T 701	4003060	Power Transformer
J 701	2430300	Head Phone Jack
S 701	1172000	Power Switch

4-2. AU-217II
Front View

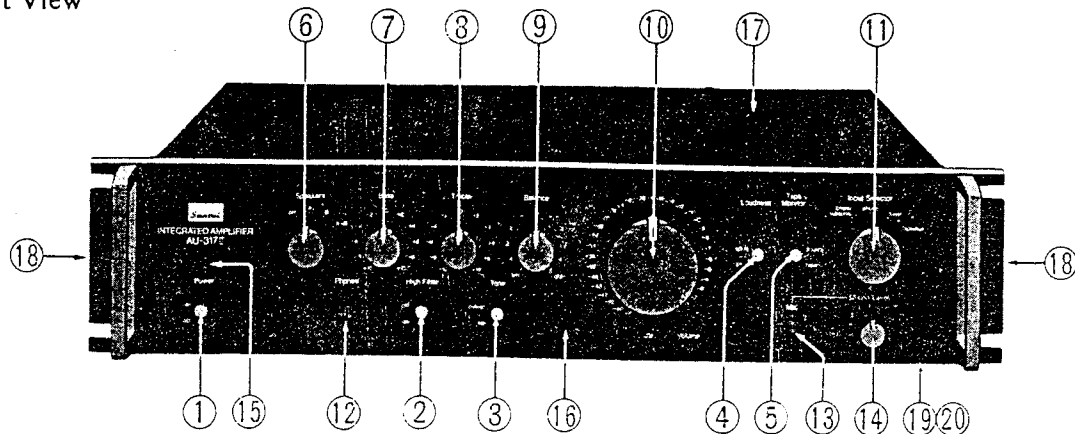


Top View

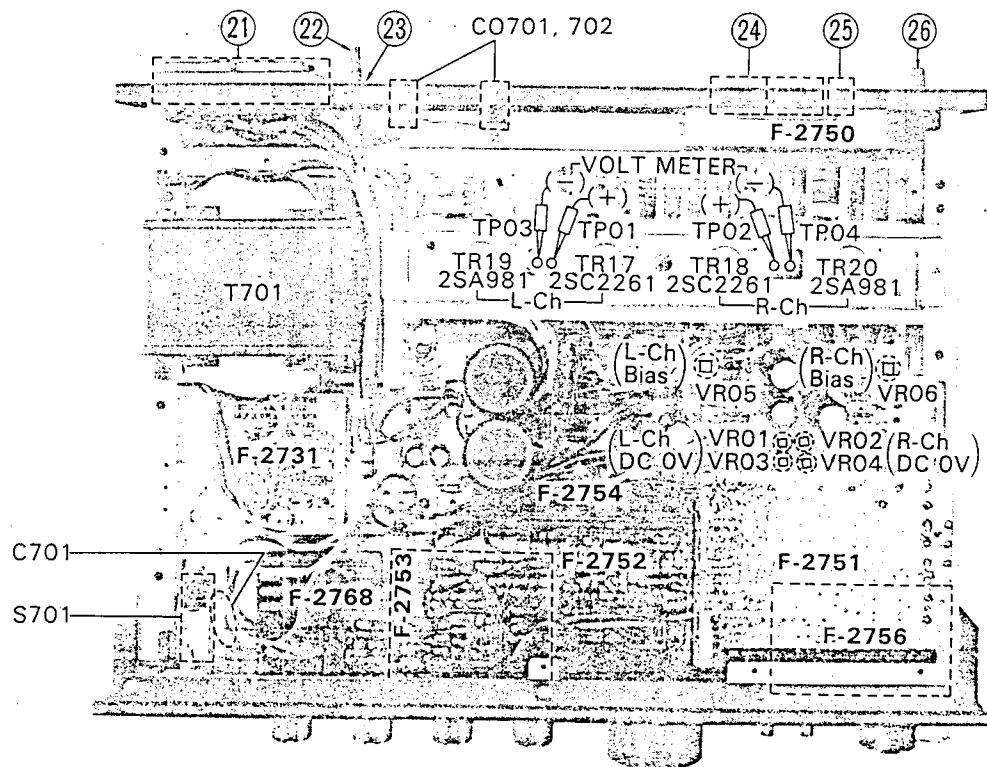


Parts List <Front & Top View>

Parts No.	Stock No.	Description	Parts No.	Stock No.	Description	Parts No.	Stock No.	Description
1	5326612	Lever Switch Knob, power	8	5318930	S-14 TY Knob, balance volume	19	3910600	Strain Relief
	1172000	Lever Switch, power		1015270, 1	250k Ω (MNI) x 2 Balance Volume	20	2200580	Input Terminal, tuner, aux, tap
2	5326612	Lever Switch Knob, high filter		5048020	Masking Sheet (D)	21	2200600	Input Terminal, phono
	1171020	Lever Switch, high filter		5318910	Volume Knob	22	2230150	Ground Terminal
3	5326612	Lever Switch Knob, loudness	9	1011120, 1	250k Ω x 2 Volume		5288721	Plate D03, D04 on F-2760
	1171020	Lever Switch, loudness		5048050	Masking Sheet (A)			
4	5326612	Lever Switch Knob, tape monitor		5289962	Plate (MB), volume	•Transistor		
	1171030	Lever Switch, tape monitor	10	2430350	Head Phone Jack	TR 17, 18	0308541, 2	2SD188A R, Q
	5318920	M-10 TY Knob, input selector	11	7008210	Front Panel Ass'y	TR 19, 20	0303381, 2	2SB545A R, Q
5	1102740	Rotary Switch, input selector		0319120	LED	C 701	0659811	0.01 μ F 125V C.C.
	5048040	Masking Sheet (B)	12	0319120	LED	T 701	4003050	Power Transformer
	5318930	S-14 TY Knob, bass volume	13	5006930	Bonnet	S 701	1172000	Power Switch
6	1015260, 1	100k Ω (C) x 2 Bass Volume	14	5396700	Rack-mounting Adaptor (each)	CO701, 702	2450070	AC Outlet
	5048020	Masking Sheet (D)	15	5058762	Bottom Plate			
7	5318930	S-14 TY Knob, treble volume	16	5507350	Leg			
	1015260, 1	100k Ω (C) x 2 Treble Volume	17	2210410	Speaker Terminal			
	5048020	Masking Sheet (D)	18	3800470, 1	Power Cord			

4-3. AU-317II
Front View

Top View



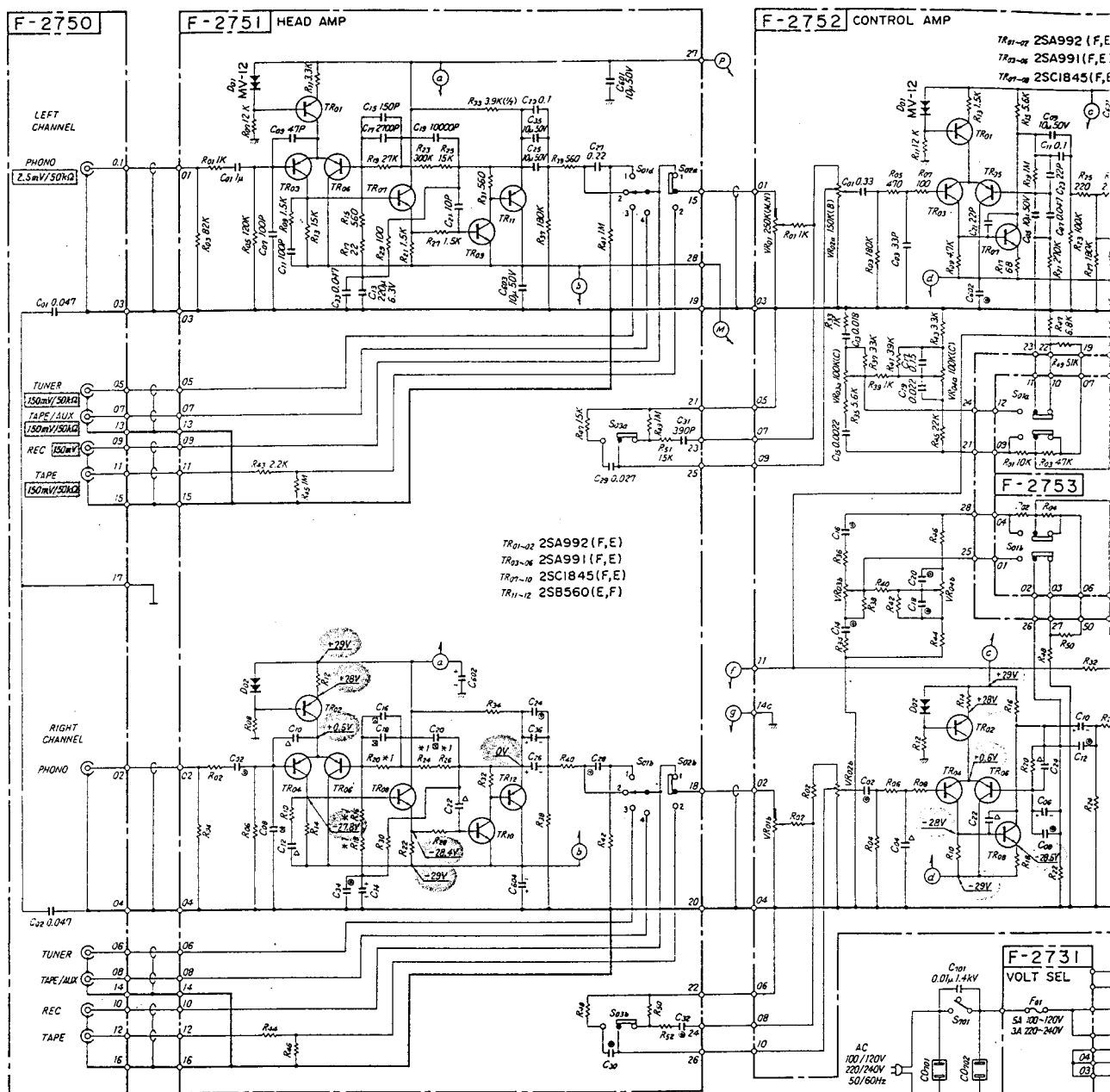
Parts List <Front & Top View>

Parts No.	Stock No.	Description
1	5326612	Lever Switch Knob, power
	1172010	Lever Switch, power
2	5326612	Lever Switch Knob, high filter
	1171020	Lever Switch, high filter
3	5326612	Lever Switch Knob, tone defeat
	1171040	Lever Switch, tone defeat
4	5326612	Lever Switch Knob, loudness
	1171020	Lever Switch, loudness
5	5326612	Lever Switch Knob, tape monitor
	1171030	Lever Switch, tape monitor
6	5318930	S-14 TY Knob, speakers
	1101560, 1	Rotary Switch, speakers
	5048030	Masking Sheet (C)
7	5318930	S-14 TY Knob, bass volume
	1015310, 1	100kΩ (C) x 2 Bass Volume
	5048030	Masking Sheet (C)
	5318930	S-14 TY Knob, treble volume
8	1015310, 1	100kΩ (C) x 2 Treble Volume
	5048030	Masking Sheet (C)

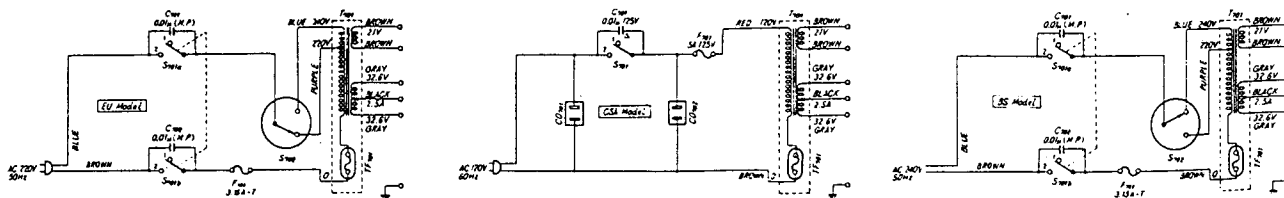
Parts No.	Stock No.	Description
9	5318930	S-14 TY Knob, balance volume
	1015320, 1	250kΩ (MN) x 2 Balance Volume
	5048030	Masking Sheet (C)
10	5318910	Volume Knob
	1090290	150kΩ x 2 Volume
	5048050	Masking Sheet (A)
	5236741	Plate (M9), volume
11	5318920	M-10 TY Knob, input selector
	1102740	Rotary Switch, input selector
	5048040	Masking Sheet (B)
12	2430350	Jack, headphone
13	2430330	Mic Jack
14	5318940	E-18 TY Knob, mic mixing level volume
	5048040	Masking Sheet (B)
	1090270	20kΩ (A) Mic Mixing Level Volume
15	0319120	Light Emitted Diode
16	7008230	Front Panel Assy
	0319120	LED
17	5006930	Bonnet

Parts No.	Stock No.	Description
18	5396700	Rack-mounting Adaptor (each)
19	5058762	Bottom Plate
20	5507350	Leg
21	5507350	Speaker Terminal
22	3800470, 1	Power Cord
23	3910600	Strain Relief
24	2200580	Input Terminal, tuner, aux, tape
25	2200500	Input Terminal, phono
26	2230150	Ground Terminal
	5288721	Plate, D09, D10 on F-2754
• Transistor		
TR 17, 18	0306571, 2	2SC2261 O, Y
TR 19, 20	0300951, 2	2SA981 O, Y
C 701	0659811	0.01μF 125V C.C.
T 701	4003040	Power Transformer
CO701, 702	2450070	AC Outlet
F 701	0431280	5A 250V AC Fuse
S 701	1172000	Power Switch

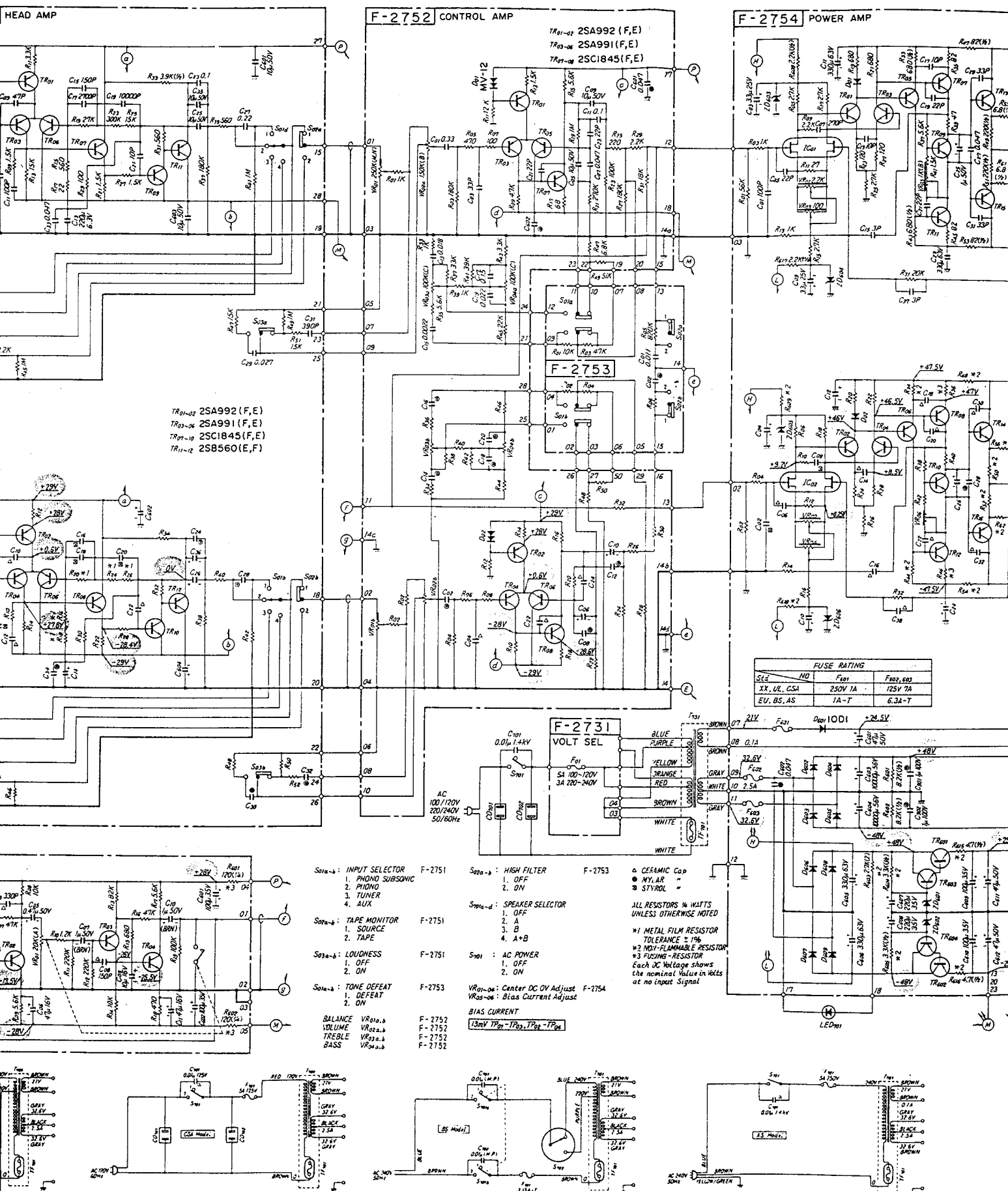
5. SCHEMATIC DIAGRAM 5-1. AU-317II

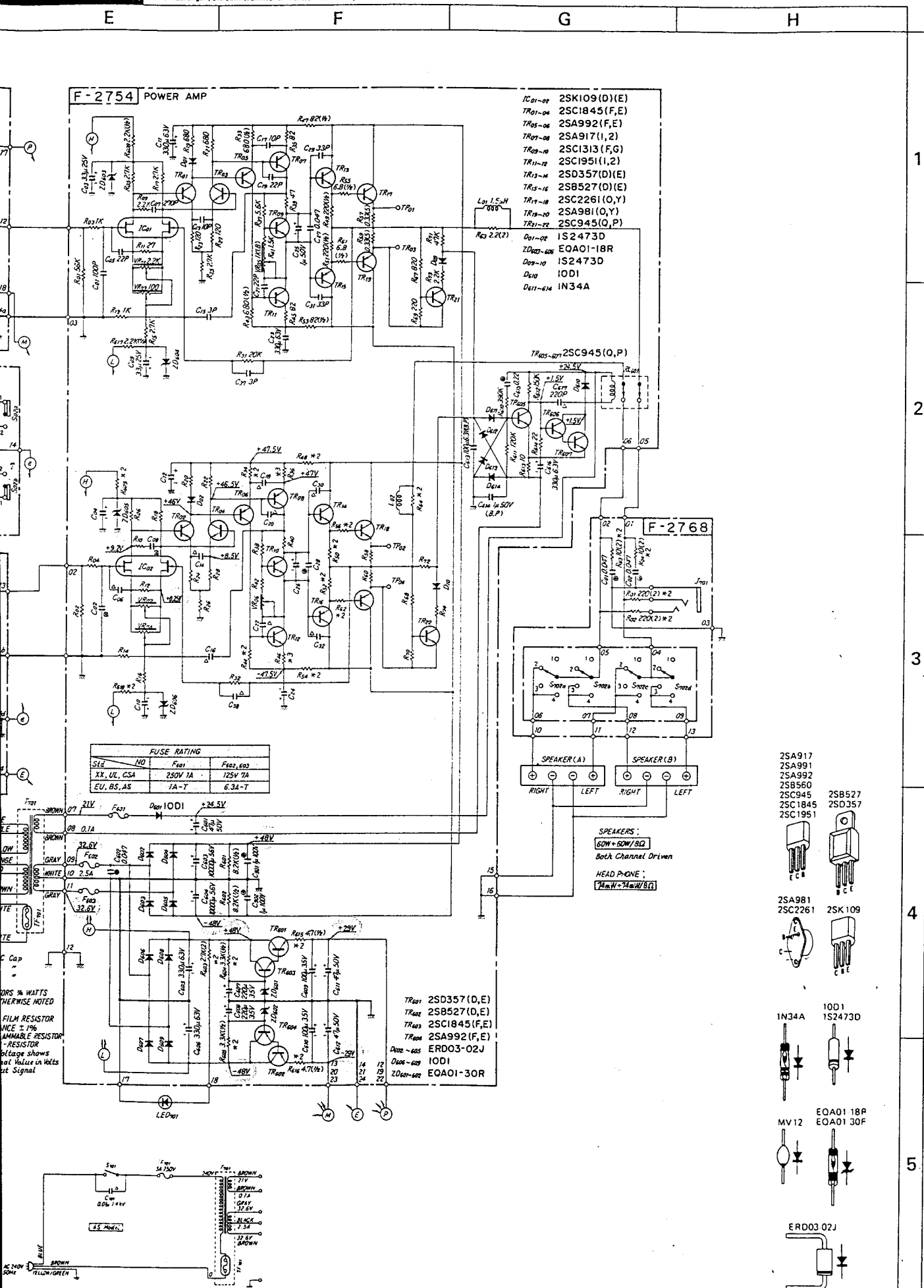


- S01-a: INPUT SELECTOR F-2751
 1. PHONO SUBSONIC
 2. PHONO
 3. TUNER
 4. AUX
- S02-a: TAPE MONITOR F-2751
 1. SOURCE
 2. TAPE
- S03-a: LOUDNESS F-2751
 1. OFF
 2. ON
- S04-a: TONE DEFEAT F-2753
 1. DEFEAT
 2. ON
- S05-a: HIGH FILTER F-2753
 1. OFF
 2. ON
- S06-a: SPEAKER SELECTOR F-2753
 1. OFF
 2. A
 3. B
 4. A+B
- S07: AC POWER F-2752
 1. OFF
 2. ON
- VR01-a: Center DC OV Adjust F-2754
 VR02-a: Bias Current Adjust F-2754
 BIAS CURRENT F-2752
 1. 3mV TP01-TP02, TP03-TP04
 2. ON

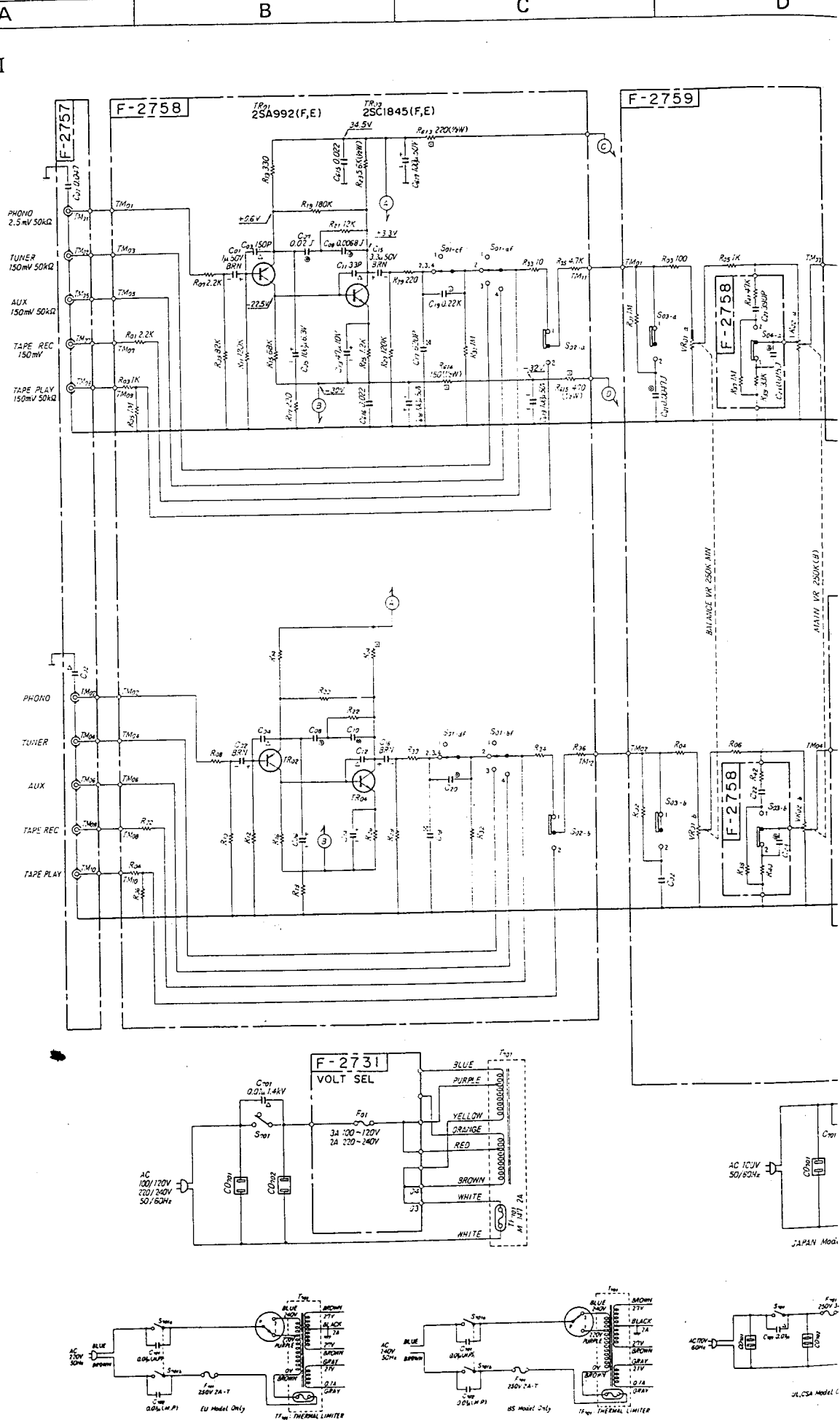


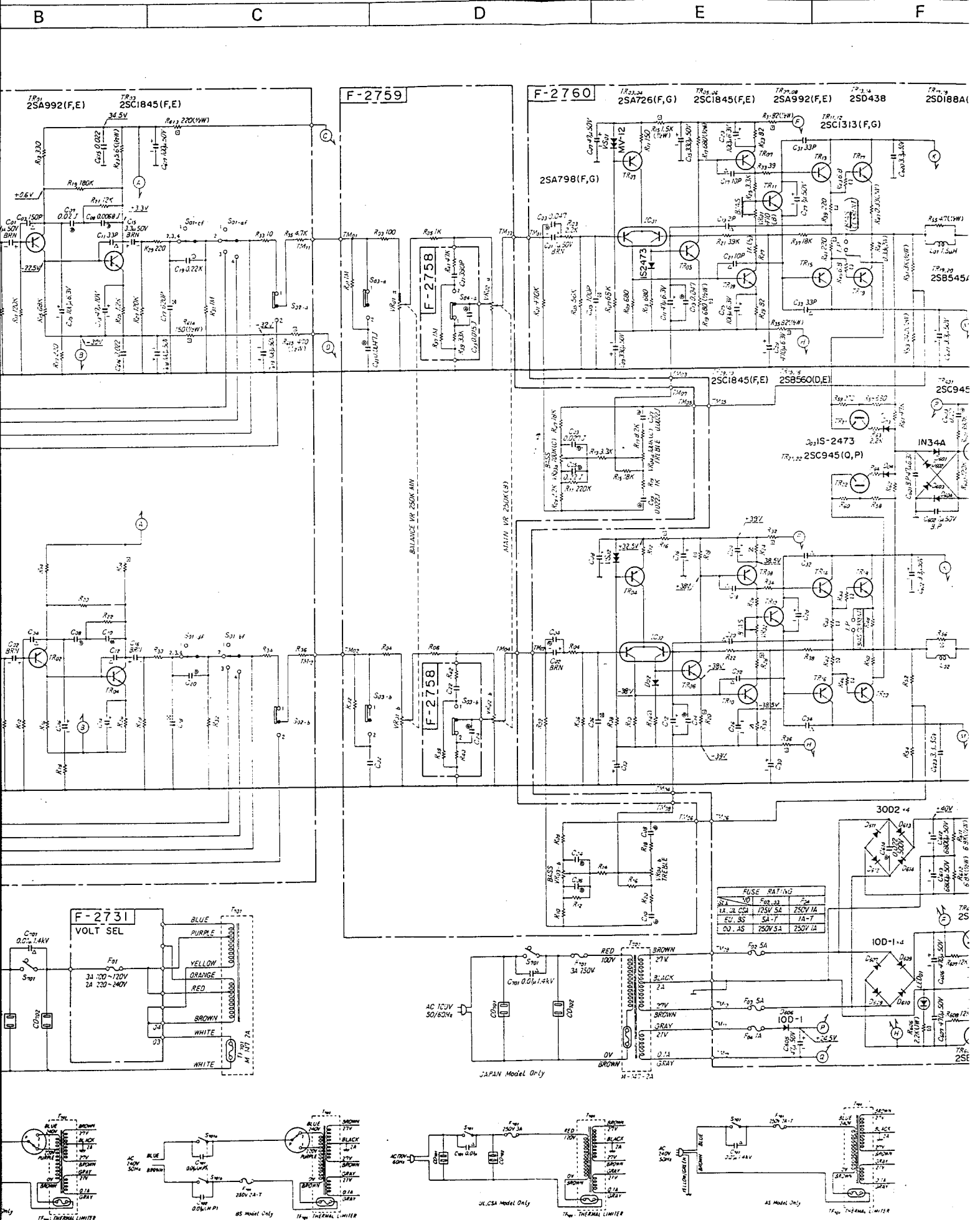
AGRAM 5-1. AU-317II





5-2. AU-217II





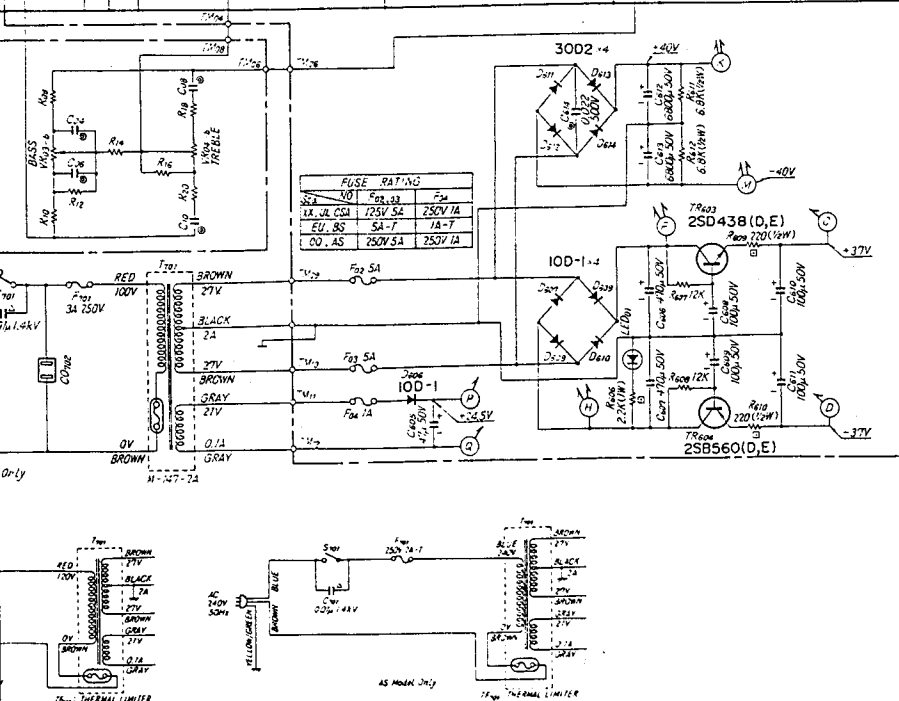
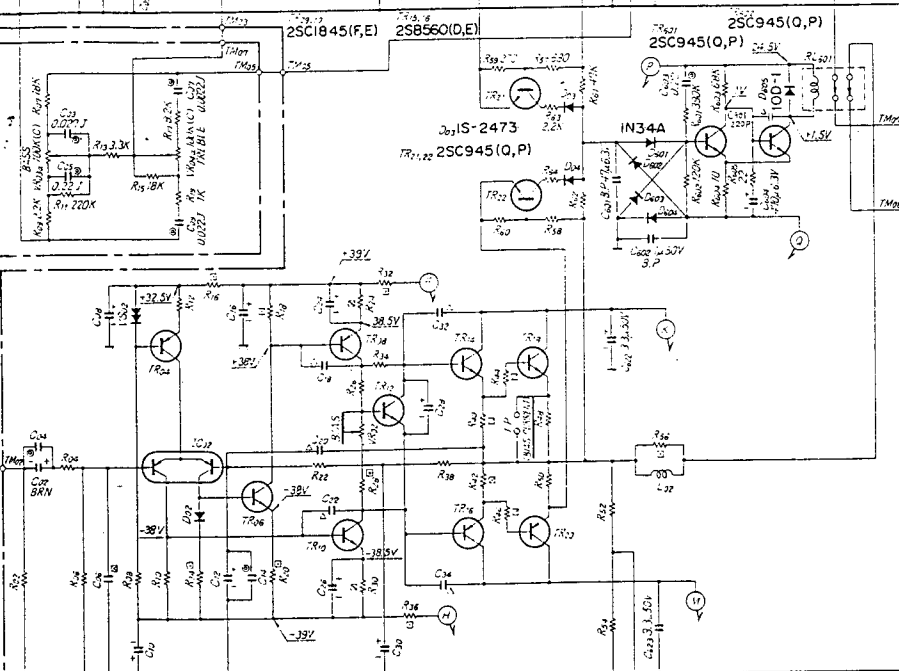
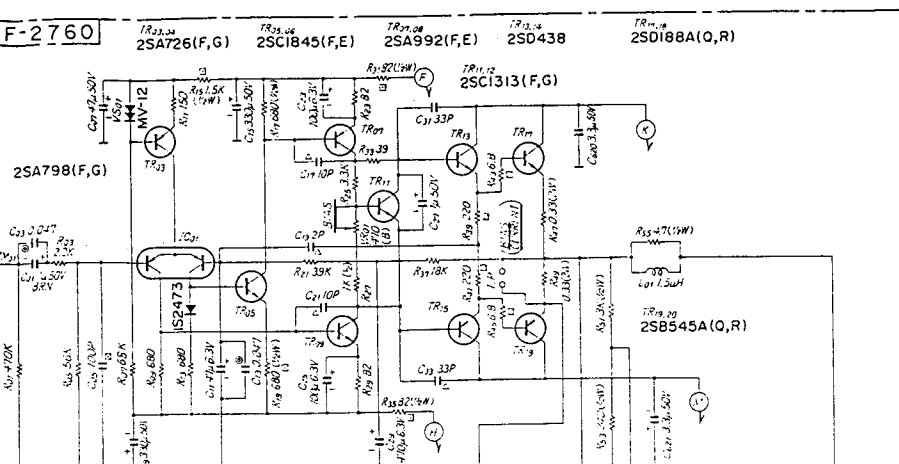
E

F

G

H

F-2760



- SWITCHES
- SELECTOR
1. PHONO Subsonic
 2. PHONO
 3. TUNER
 4. AUX
- TAPE MONITOR
1. SOURCE
 2. PLAY BACK
- HIGH FILTER
1. OFF
 2. ON
- LOWNESS
1. OFF
 2. ON

NOTICE

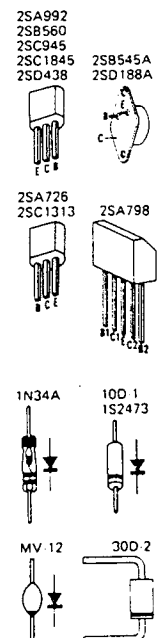
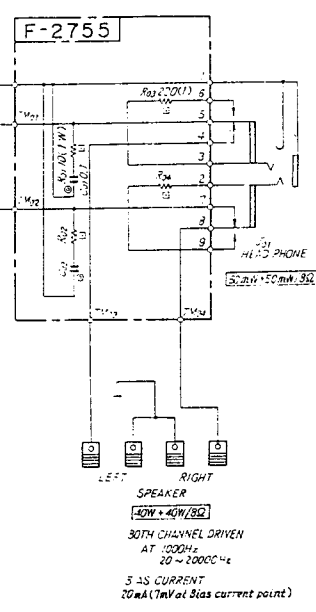
CAPACITOR

1. Ceramic
2. Styrol
3. Mylar
4. Polar Electrolytic
5. Capacitance Tolerance ± 5%

RESISTOR

All Resistors 1/4 Watts
Unless Otherwise Noted

Each D.C. Voltage shows the nominal value in volts at no input signal



A

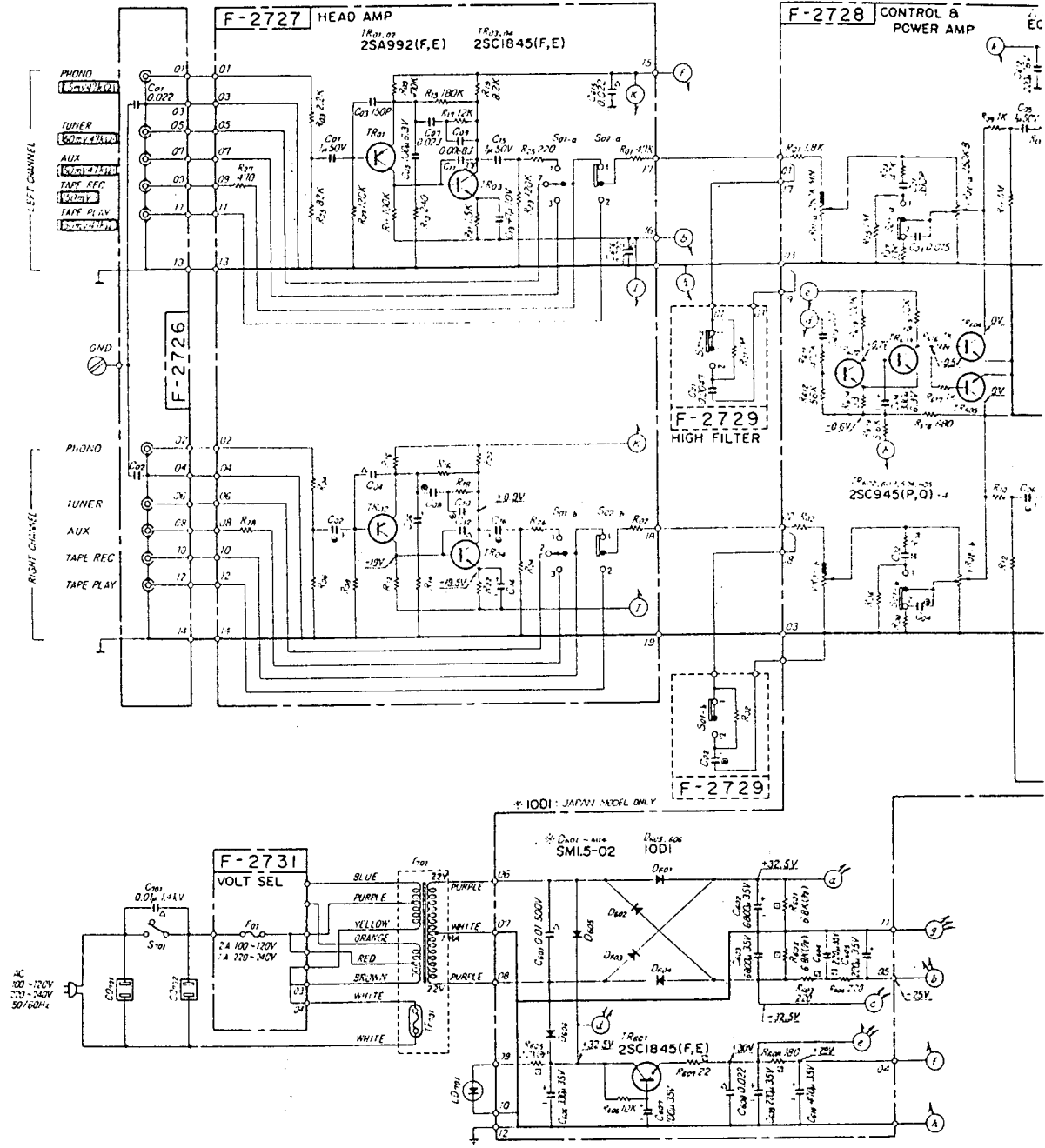
B

C

D

53. AU-117II

- Design and specifications subject to change without notice for improvement.
- La présentation et les spécifications sont susceptibles d'être modifiées sans préavis par suites d'améliorations éventuelles.
- Änderungen, die dem technischen Fortschritt dienen, bleiben vorbehalten.



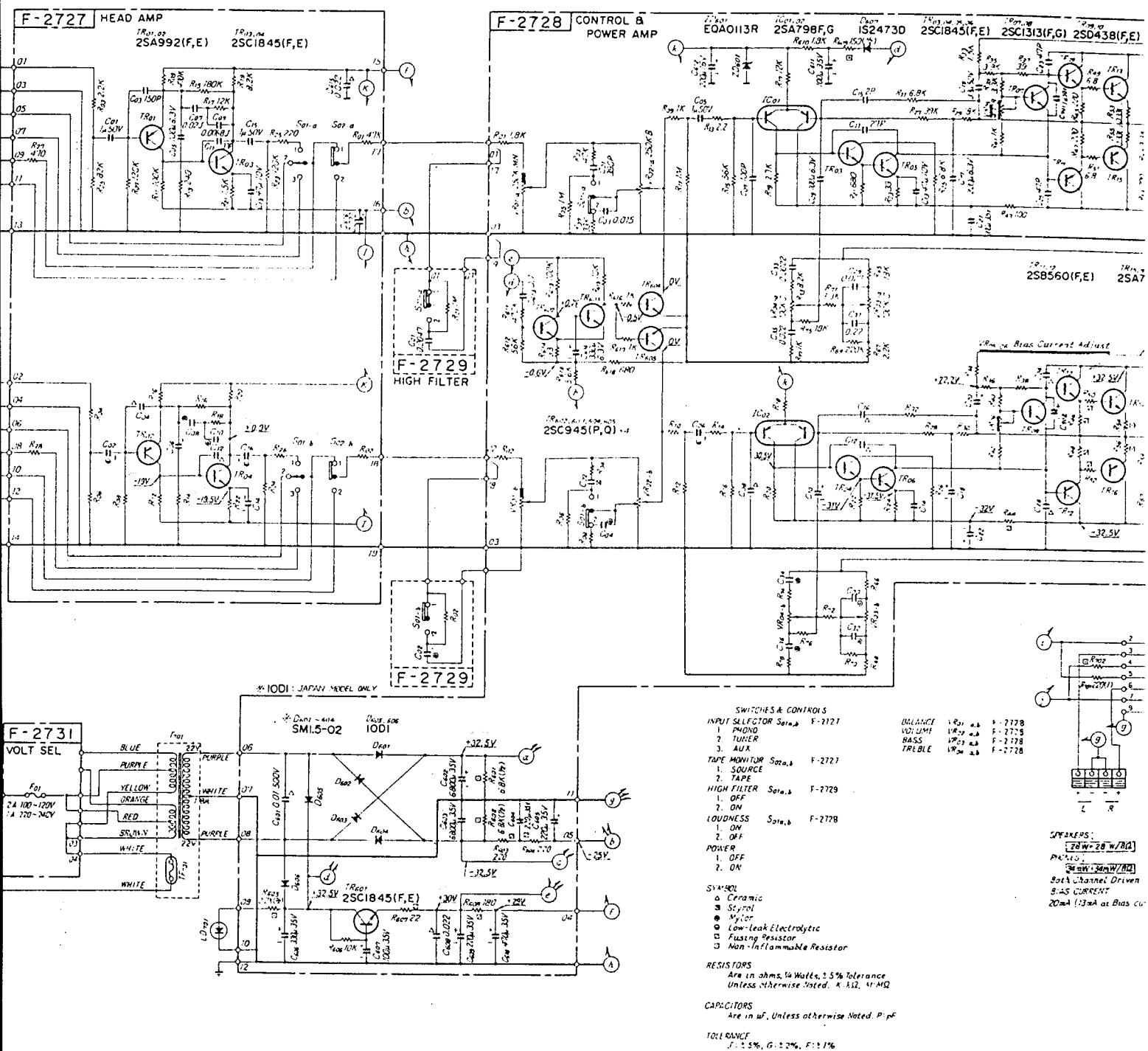
2SA992
2SB560
2SC945
2SC1845
2SD438



2SC1313



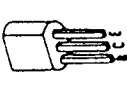
2SA771
2SC1986



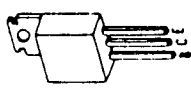
2SC945
2SC1845
2SD438



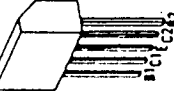
2SC1313



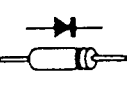
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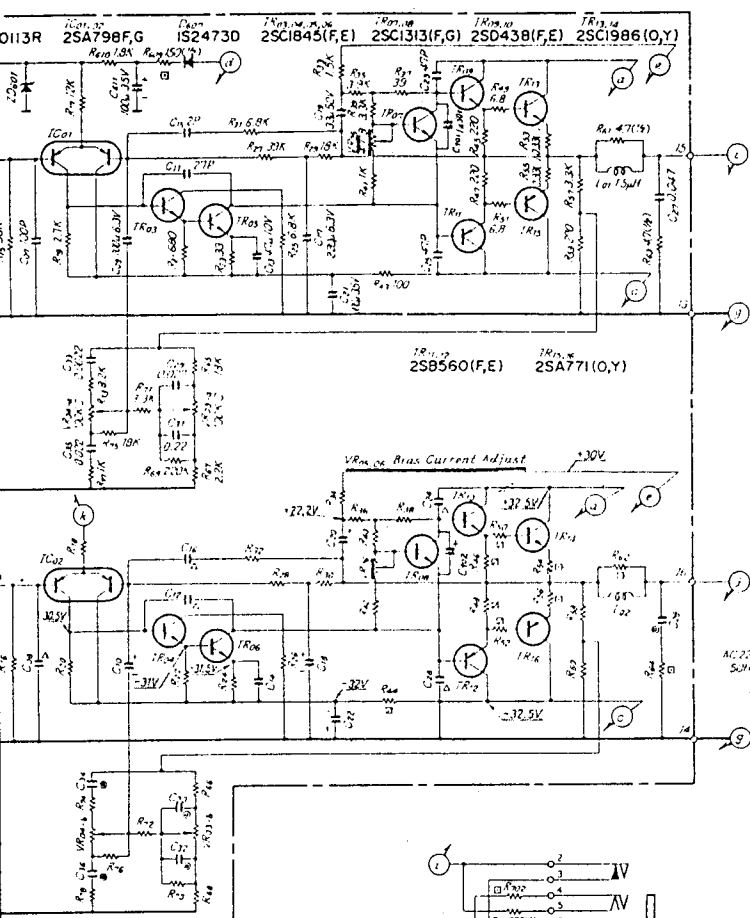
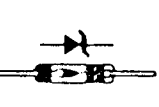
2SA798



1001
IS24730



EQAO113R



SWITCHES & CONTROLS

UI SELECTOR S_{101,a,b} F-2127
TUNING VR₁₀₁ a,b F-2128
TUNER VR₁₀₂ a,b F-2129
AUX VR₁₀₃ a,b F-2130
MONITOR S_{104,a,b} F-2127
SOURCE TAPE F-2128
H FILTER S_{105,a,b} F-2129
OFF F-2130
ON F-2131
VOLUME S_{106,a,b} F-2128
ON F-2129
OFF F-2130
REVER F-2131
ON F-2132

POTENTIOMETERS

BALANCE VR₁₀₁ a,b F-2128
VOLUME VR₁₀₂ a,b F-2129
BASS VR₁₀₃ a,b F-2130
TREBLE VR₁₀₄ a,b F-2131

RELAYS

Ceramic
Styrol
Mylar
Low-Leak Electrolytic
Fusing Resistor
Non-Inflammable Resistor

RESISTORS

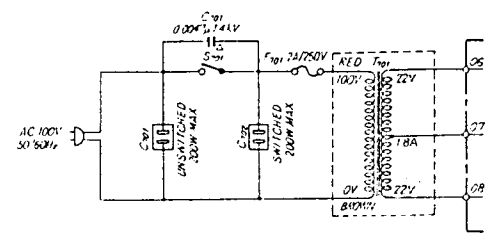
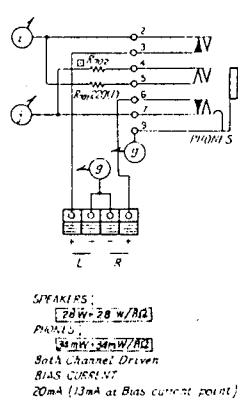
Are in ohms, 1/4 Watts, ±5% Tolerance
Unless otherwise noted. K: 1K, M: 1M, Q: 100K

CAPACITORS

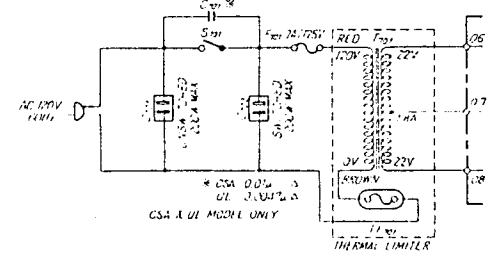
Are in μF, Unless otherwise noted. P: pF

INDUCTORS

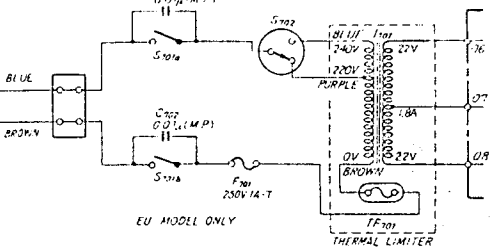
Are in μH, Unless otherwise noted. P: pF



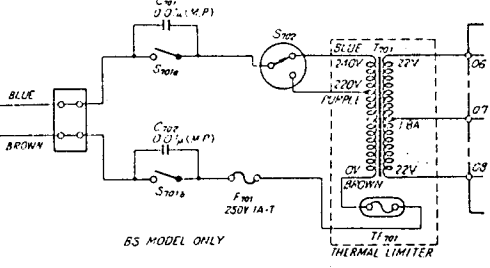
JAPAN MODEL ONLY



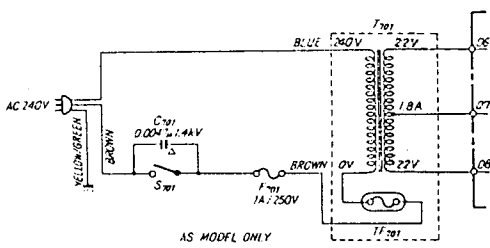
CSA & UI MODEL ONLY



EU MODEL ONLY



BS MODEL ONLY



AS MODEL ONLY

6. PACKING LIST

6-1. AU-117II

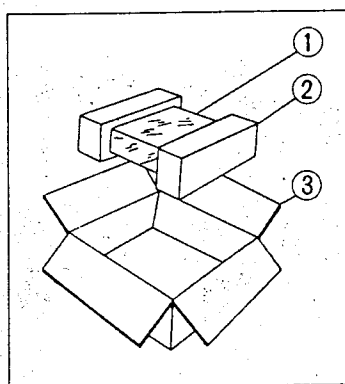
Parts No.	Stock No.	Description
1	9116760	Vinyl Cover
2	9028081	Styrofoam Packing
3	9001720	Carton Case

6-2. AU-217II

Parts No.	Stock No.	Description
1	9116760	Vinyl Cover
2	9028081	Styrofoam Packing
3	9001740	Carton Case

6-3. AU-317II

Parts No.	Stock No.	Description
1	9116760	Vinyl Cover
2	9028081	Styrofoam Packing
3	9001760	Carton Case



7. ACCESSORY PARTS LIST

7-1. AU-117II

Stock No.	Description
9204520	Operating Instructions
5396700	Rack-mounting Adaptor (each)
9116830	Vinyl Bag For Rack-mounting Adaptor
9238120	Schematic Diagram

7-2. AU-217II

Stock No.	Description
9204530	Operating Instructions
5396700	Rack-mounting Adaptor (each)
9116830	Vinyl Bag For Rack-mounting Adaptor
9238130	Schematic Diagram

7-3. AU-317II

Stock No.	Description
9204540	Operating Instructions
5396700	Rack-mounting Adaptor (each)
9116830	Vinyl Bag For Rack-mounting Adaptor
9238140	Schematic Diagram



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3036 Koapaka St. Honolulu, Hawaii 96819 U.S.A.

SANSUI AUDIO EUROPE N.V.:

SNASUI AUDIO EUROPE S.A.:

North Trade Bldg (9th floor) Noorderlaan 133-Bus 1, 2030 Antwerp, Belgium

Arabella center, 6 Frankfurt AM Main, Lyoner Strasse 44-48, West Germany

SANSUI ELECTRIC COMPANY LTD.: 14-1, Izumi 2-chome, Suginamiku, Tokyo 168 Japan PHONE: (03) 323-1111/TELEX: 232-2076