

AM/FM STEREO RECEIVER

SX-1250

<ART-158-0>

Service Manual



 **PIONEER®**

12. SCHEMATIC DIAGRAMS, P.C. BOARD PATTERNS AND PARTS LISTS

12.1 MISCELLANEOUS PARTS

NOTE:

- Capacitors: in μF unless otherwise noted p:pF
- Resistors: in Ω , $\frac{1}{4}W$ unless otherwise noted k:k Ω , M:M Ω

SEMICONDUCTORS

Symbol	Description	Part No.
Q1	Transistor	2SB600-R
Q2	Transistor	2SB600-R
Q3	Transistor	2SD555-R
Q4	Transistor	2SD555-R
Q5	Transistor	2SB600-R
Q6	Transistor	2SB600-R
Q7	Transistor	2SD555-R
Q8	Transistor	2SD555-R

SWITCHES

Symbol	Description	Part No.
S1	Lever switch (POWER)	ASK-080
S2	Relay	ASR-015

LAMPS

Symbol	Description	Part No.
PL1	Lamp assembly (8V, 0.3A)	AEL-056
PL2	Lamp assembly (8V, 0.3A)	AEL-056
PL3	Lamp assembly (8V, 0.3A)	AEL-056
PL4	Lamp assembly (8V, 0.3A)	AEL-056
PL5	Lamp with leads (8V, 50mA, SP-A)	AEL-074
PL6	Lamp with leads (8V, 50mA, SP-B)	AEL-072
PL7	Lamp with leads (8V, 50mA, SP-C)	AEL-073
PL8	Lamp with leads (8V, 50mA, AM)	AEL-076
PL9	Lamp with leads (8V, 50mA, FM)	AEL-075
PL10	Lamp with leads (8V, 50mA, PH-1)	AEL-074
PL11	Lamp with leads (8V, 50mA, PH-2)	AEL-072
PL12	Lamp with leads (8V, 50mA, AUX)	AEL-073
PL13	Lamp with leads (8V, 50mA, STEREO)	AEL-069

FUSES

Symbol	Description	Part No.
FU1	Fuse 1A	AEK-106
FU2	Fuse 1A	AEK-106
FU3	Fuse 1A	AEK-106
FU4	Fuse 1A	AEK-106
FU5	Fuse 1.5A	AEK-104
FU6	Fuse 12A (primary)	AEK-301

COILS AND TRANSFORMER

Symbol	Description	Part No.
T1	Ferrite balun	T22-025
T2	Ferrite bar-antenna	ATB-051
T3	Power transformer	ATT-267

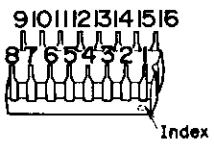
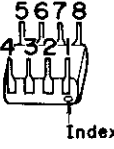
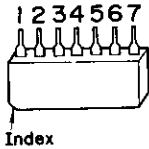
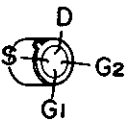
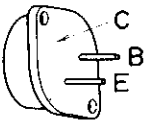
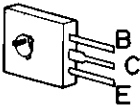
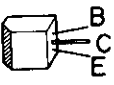
RESISTOR

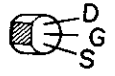
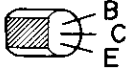
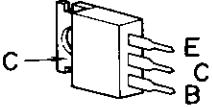
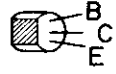
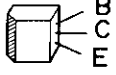
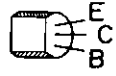
Symbol	Description	Part No.
R1	Carbon film 2.2M $\frac{1}{4}W$	RD $\frac{1}{4}$ PS 225J

CAPACITORS

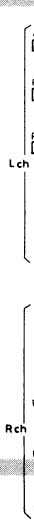
Symbol	Description	Part No.
C1	Electrolytic 22,000 80V	ACH-056
C2	Electrolytic 22,000 80V	ACH-056
C3	Electrolytic 22,000 80V	ACH-056
C4	Electrolytic 22,000 80V	ACH-056
C5	Ceramic 0.01 50V	CKDYF 103Z 50
C6	Ceramic 0.01 50V	CKDYF 103Z 50
C7	Ceramic 0.01 50V	CKDYF 103Z 50
C8	Ceramic 0.01 50V	CKDYF 103Z 50
C9	Ceramic 0.01 50V	CKDYF 103Z 50
C10	Ceramic 0.01 50V	CKDYF 103Z 50
C11	Ceramic 0.01 50V	CKDYF 103Z 50
C12	Ceramic 0.01 150V (DC1.4kV)	ACG-003
C13	Ceramic 0.01 150V (DC1.4kV)	ACG-003
C14	Electrolytic 100 6V	CEA 101P 6
C18	Mylar 0.1 200V	CQMA 104K 200
C19	Mylar 0.1 200V	CQMA 104K 200

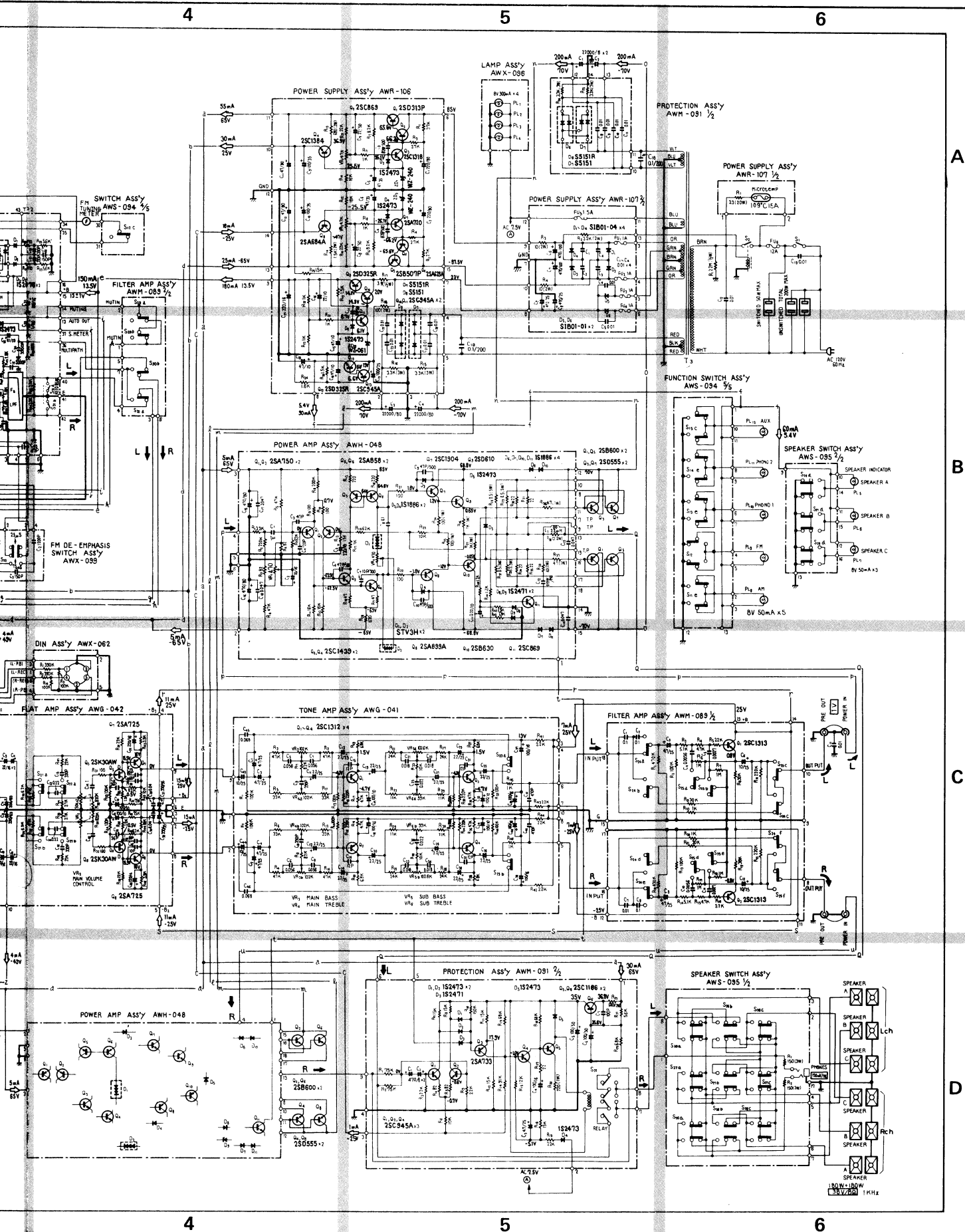
External Appearance of Transistors and ICs

HA1137 HA1138 HA1196	
HA1201	
TA7061AP	
3SK39 3SK45	
2SB600 2SD555	
2SA899A 2SC1904	
2SC1166	

2SK30AW	
2SA684A 2SC1384	
2SB507P 2SB630 2SD313P 2SD325R 2SD610	
2SA628 2SA720 2SA733 2SA750 2SA858 2SA872A 2SC945A 2SC1318 2SC1439 2SC1775A	
2SC1342	
2SA725 2SA726 2SA850 2SC710 2SC869 2SC1312 2SC1313 2SC1735	

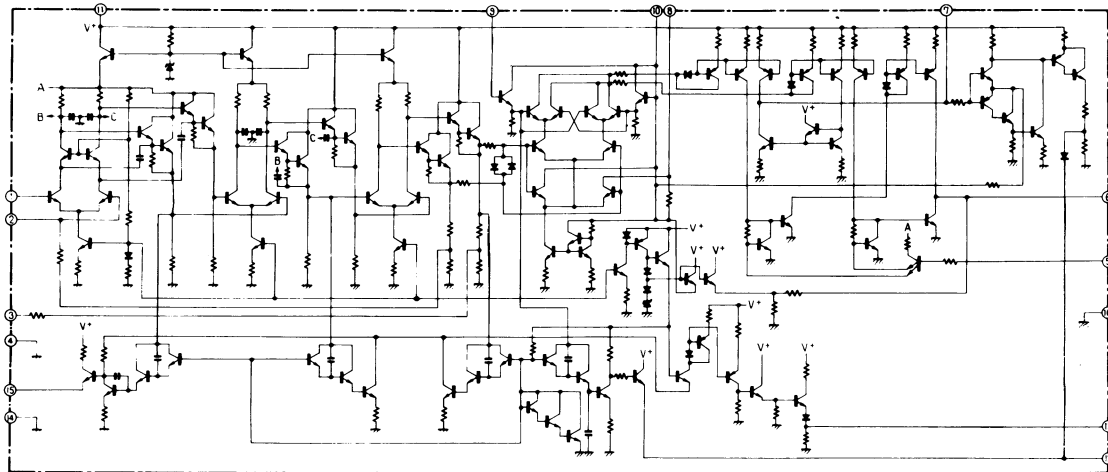
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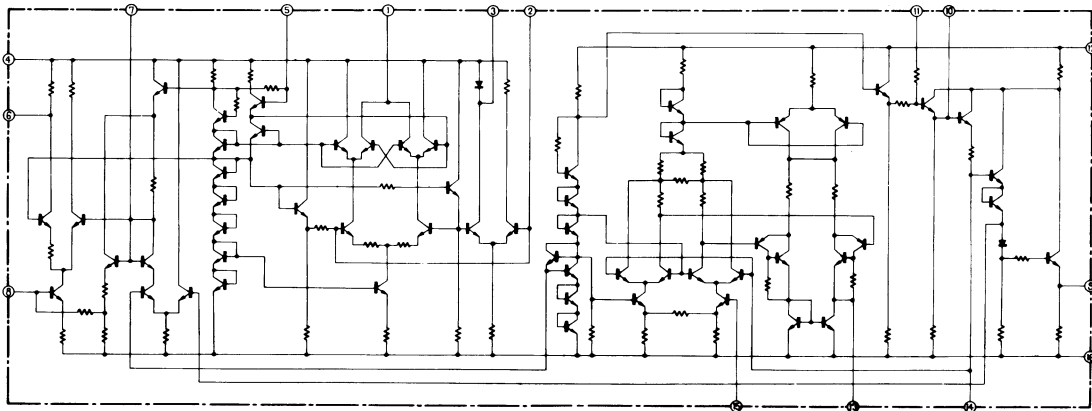


12.3 INTERNAL CIRCUITRY OF INTEGRATED CIRCUITS

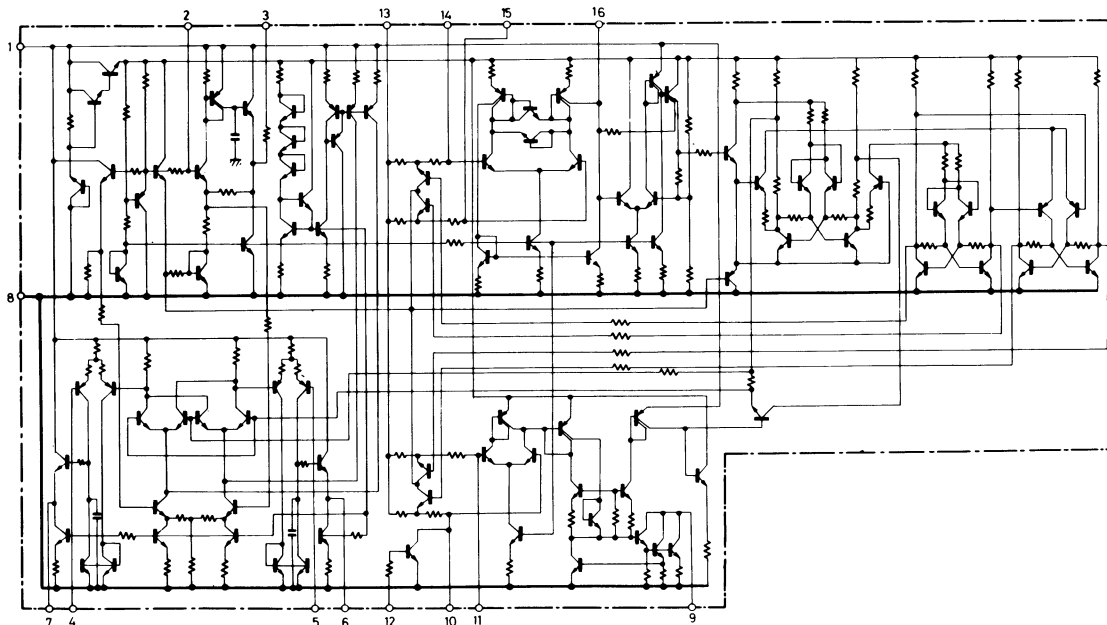
HA1137 (FM IF IC)



HA1138 (AM IC)

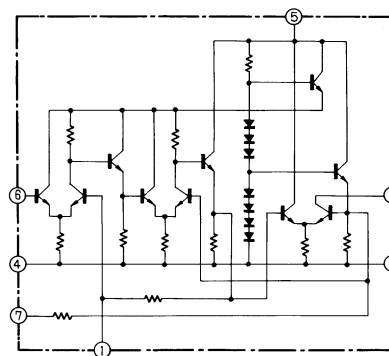
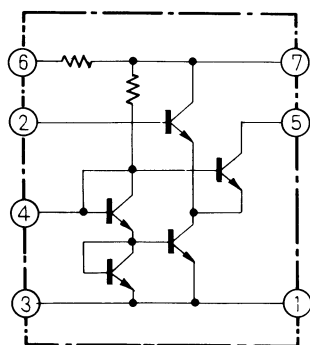


HA1196

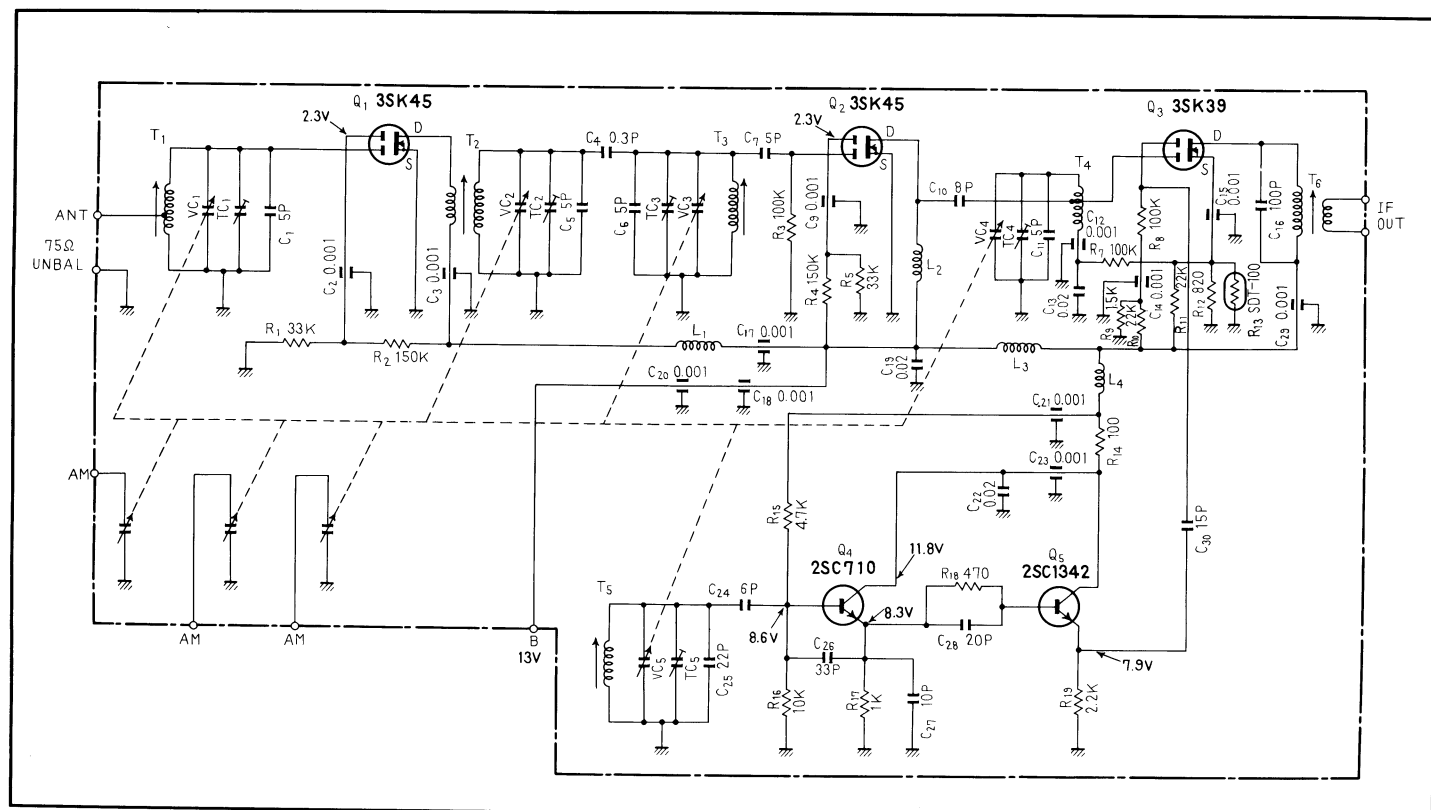


HA1201

TA7061AP

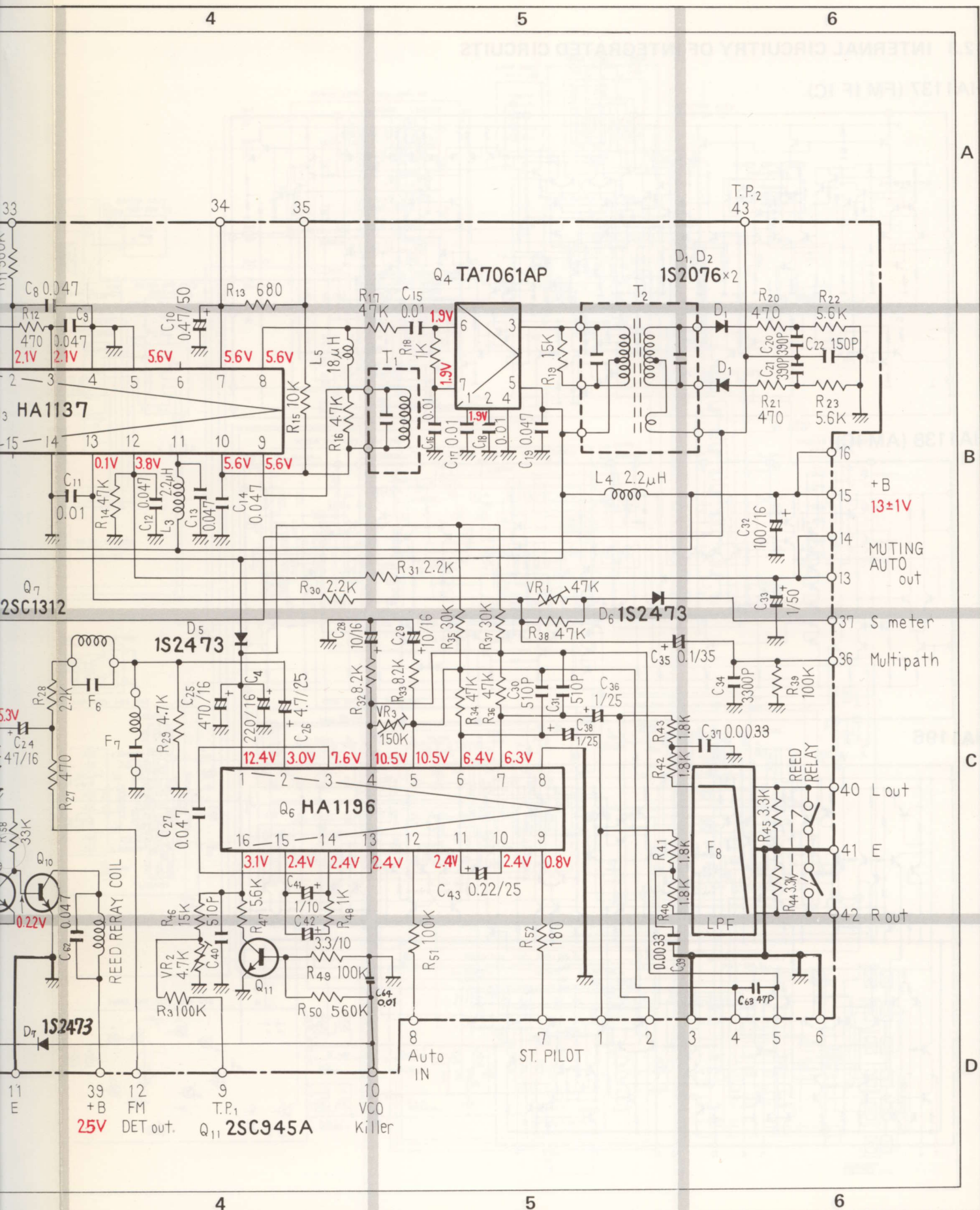


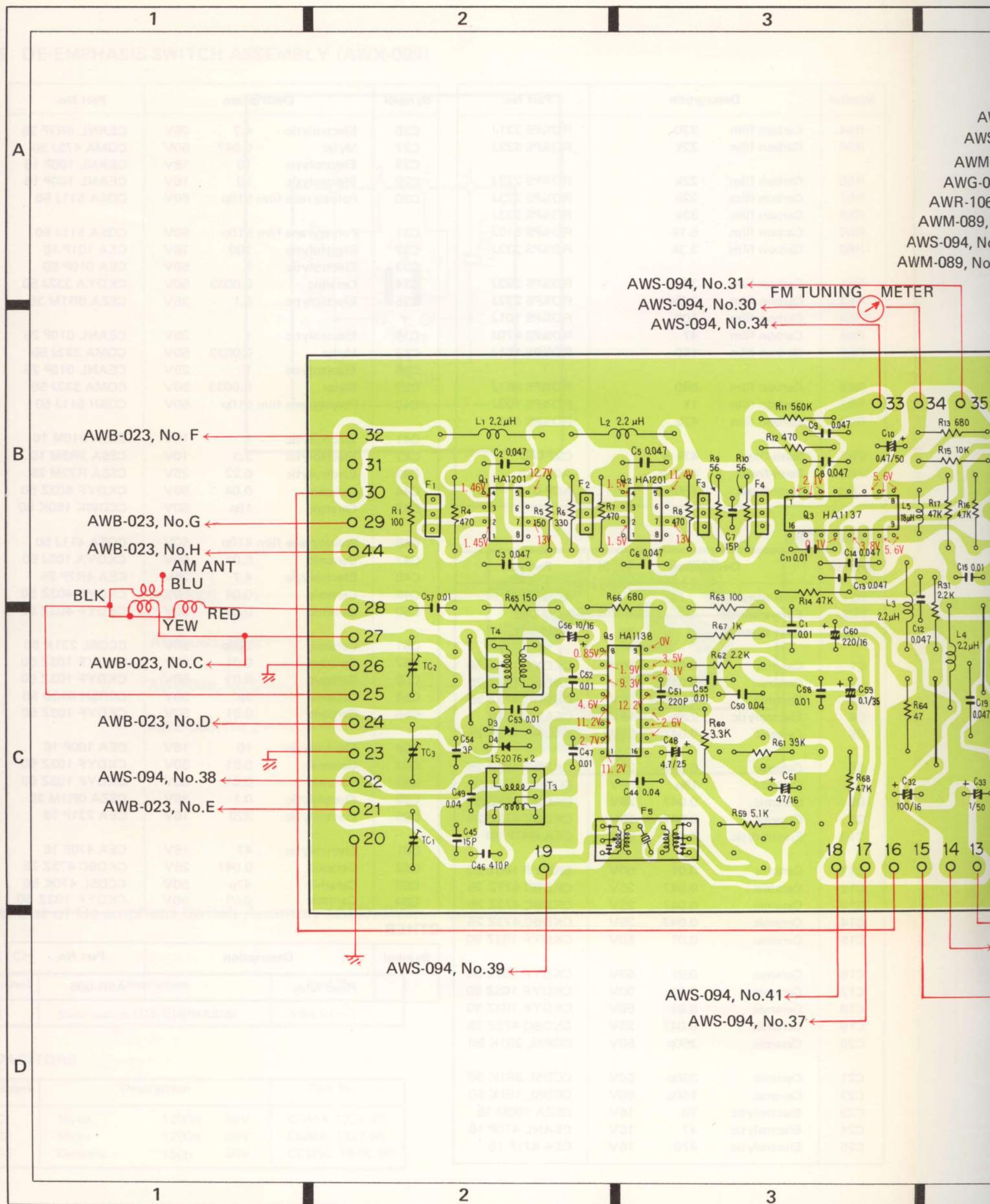
12.4 THE CIRCUIT OF FM FRONT END (AWB-023)

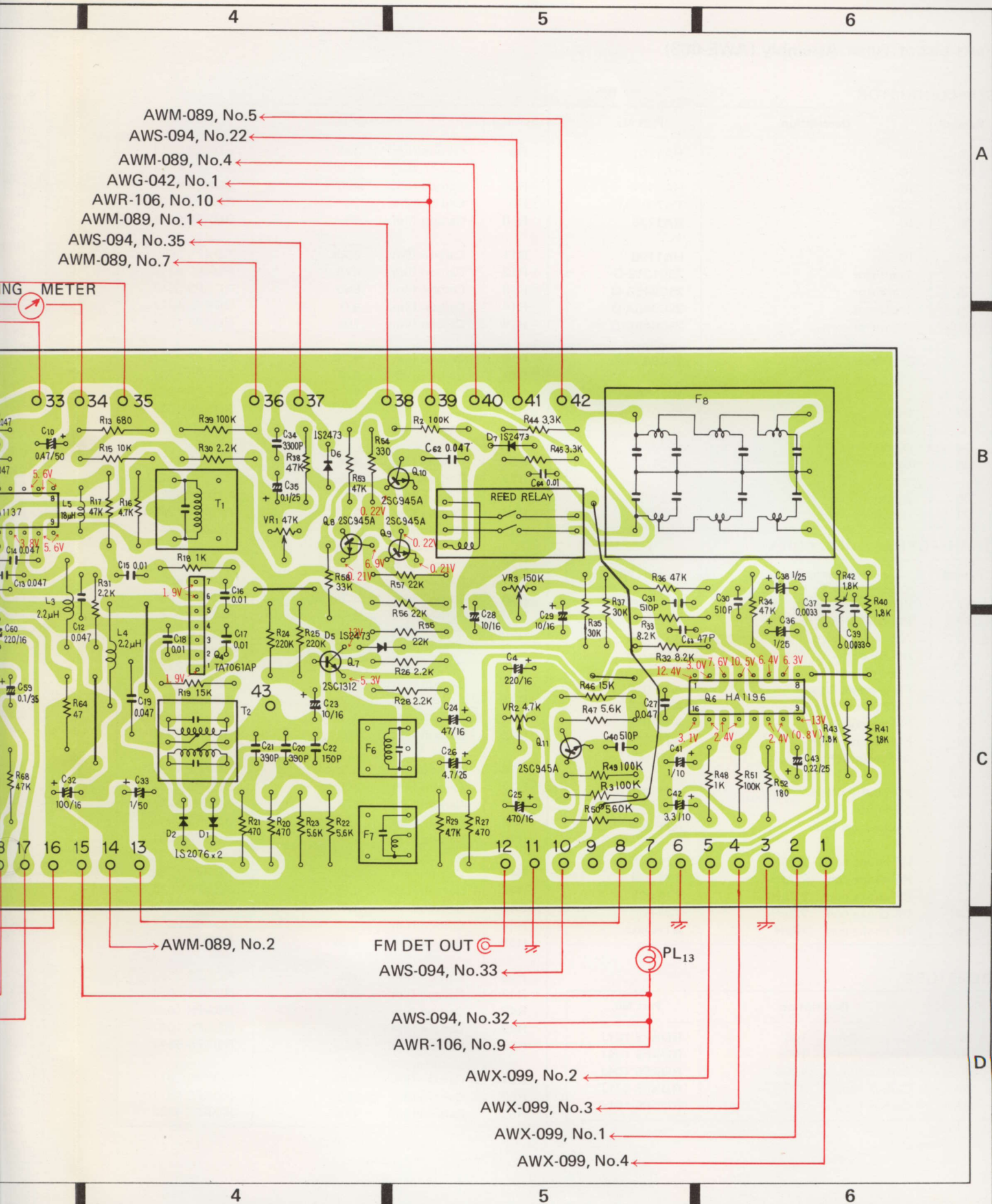


A









Parts List of Tuner Assembly (AWE-068)

SEMICONDUCTOR

Symbol	Description	Part No.
Q1	IC	HA1201
Q2	IC	HA1201
Q3	IC	HA1137
Q4	IC	TA7061AP
Q5	IC	HA1138
Q6	IC	HA1196
Q7	Transistor	2SC1312-G
Q8	Transistor	2SC945A-Q
Q9	Transistor	2SC945A-Q
Q10	Transistor	2SC945A-Q
Q11	Transistor	2SC945A-Q
D1	Diode	1S2076
D2	Diode	1S2076
D3	Diode	1S2076
D4	Diode	1S2076
D5	Diode	1S2473
D6	Diode	1S2473
D7	Diode	1S2473

TRANSFORMERS AND COILS

Symbol	Description	Part No.
T1	FM IF transformer	ATE-029
T2	FM DET transformer	ATE-013
T3	AM oscillator coil	ATB-019
T4	AF RF coil	ATB-020
F1	FM ceramic filter	ATF-018
F2	FM ceramic filter	ATF-018
F3	FM ceramic filter	ATF-018
F4	FM ceramic filter	ATF-018
F5	AM ceramic filter	ATF-027
F6	Anti-birby filter	ATF-023
F7	Anti-birby filter	ATF-024
F8	FM lowpass filter	ATF-028
L1	RF choke coil 2.2μH	T24-028
L2	RF choke coil 2.2μH	T24-028
L3	RF choke coil 2.2μH	T24-028
L4	RF choke coil 2.2μH	T24-028
L5	RF choke coil 18μH	ATH-007

RESISTORS

Symbol	Description	Part No.
R1	Carbon film 100	RD%PS 101J
R2	Carbon film 100k	RD%PS 104J
R3	Carbon film 100k	RD%PS 104J
R4	Carbon film 470	RD%PS 471J
R5	Carbon film 150	RD%PS 151J

Symbol	Description	Part No.
R6	Carbon film 330	RD%PS 331J
R7	Carbon film 470	RD%PS 471J
R8	Carbon film 470	RD%PS 471J
R9	Carbon film 56	RD%PS 560J
R10	Carbon film 56	RD%PS 560J
R11	Carbon film 560k	RD%PS 564J
R12	Carbon film 470	RD%PS 471J
R13	Carbon film 680	RD%PS 681J
R14	Carbon film 47k	RD%PS 473J
R15	Carbon film 10k	RD%PS 103J
R16	Carbon film 4.7k	RD%PS 472J
R17	Carbon film 47k	RD%PS 473J
R18	Carbon film 1k	RD%PS 102J
R19	Carbon film 15k	RD%PS 153J
R20	Carbon film 470	RD%PS 471J
R21	Carbon film 470	RD%PS 471J
R22	Carbon film 5.6k	RD%PS 562J
R23	Carbon film 5.6k	RD%PS 562J
R24	Carbon film 220k	RD%PS 224JNL
R25	Carbon film 220k	RD%PS 224JNL
R26	Carbon film 2.2k	RD%PS 222J
R27	Carbon film 470	RD%PS 471J
R28	Carbon film 2.2k	RD%PS 222J
R29	Carbon film 4.7k	RD%PS 472J
R30	Carbon film 2.2k	RD%PS 222J
R31	Carbon film 2.2k	RD%PS 222J
R32	Carbon film 8.2k	RD%PS 822J
R33	Carbon film 8.2k	RD%PS 822J
R34	Carbon film 47k	RD%PS 473J
R35	Carbon film 30k	RD%PS 303J
R36	Carbon film 47k	RD%PS 473J
R37	Carbon film 30k	RD%PS 303J
R38	Carbon film 47k	RD%PS 473J
R39	Carbon film 100k	RD%PS 104J
R40	Carbon film 1.8k	RD%PS 182J
R41	Carbon film 1.8k	RD%PS 182J
R42	Carbon film 1.8k	RD%PS 182J
R43	Carbon film 1.8k	RD%PS 182J
R44	Carbon film 3.3k	RD%PS 332J
R45	Carbon film 3.3k	RD%PS 332J
R46	Carbon film 15k	RD%PS 153J
R47	Carbon film 5.6k	RD%PS 562J
R48	Carbon film 1k	RD%PS 102J
R49	Carbon film 100k	RD%PS 104J
R50	Carbon film 560k	RD%PS 564J
R51	Carbon film 100k	RD%PS 104J
R52	Carbon film 180	RD%PS 181J
R53	Carbon film 47k	RD%PS 473J

Symbol	Description		Part No.
R54	Carbon film	330	RD%PS 331J
R55	Carbon film	22k	RD%PS 223J
R56	Carbon film	22k	RD%PS 223J
R57	Carbon film	22k	RD%PS 223J
R58	Carbon film	33k	RD%PS 333J
R59	Carbon film	5.1k	RD%PS 512J
R60	Carbon film	3.3k	RD%PS 332J
R61	Carbon film	39k	RD%PS 393J
R62	Carbon film	2.2k	RD%PS 222J
R63	Carbon film	100	RD%PS 101J
R64	Carbon film	47	RD%PS 470J
R65	Carbon film	150	RD%PS 151J
R66	Carbon film	680	RD%PS 681J
R67	Carbon film	1k	RD%PS 102J
R68	Carbon film	47k	RD%PS 473J
VR1	Semi-fixed	47k-B	C92-048
VR2	Semi-fixed	4.7k-B	ACP-018
VR3	Semi-fixed	150k-B	ACP-014

CAPACITORS

Symbol	Description		Part No.
TC1	Film trimmer		ACM-002
TC2	Film trimmer		ACM-002
TC3	Film trimmer		ACM-002
C1	Ceramic	0.01 50V	CKDYF 103Z 50
C2	Ceramic	0.047 25V	CKDBC 473Z 25
C3	Ceramic	0.047 25V	CKDBC 473Z 25
C4	Electrolytic	220 16V	CEA 221P 16
C5	Ceramic	0.047 25V	CKDBC 473Z 25
C6	Ceramic	0.047 25V	CKDBC 473Z 25
C7	Ceramic	15p 50V	CCDSL 150K 50
C8	Ceramic	0.047 25V	CKDBC 473Z 25
C9	Ceramic	0.047 25V	CKDBC 473Z 25
C10	Electrolytic	0.47 50V	CEA R47P 50
C11	Ceramic	0.01 50V	CKDYF 103Z 50
C12	Ceramic	0.047 25V	CKDBC 473Z 25
C13	Ceramic	0.047 25V	CKDBC 473Z 25
C14	Ceramic	0.047 25V	CKDBC 473Z 25
C15	Ceramic	0.01 50V	CKDYF 103Z 50
C16	Ceramic	0.01 50V	CKDYF 103Z 50
C17	Ceramic	0.01 50V	CKDYF 103Z 50
C18	Ceramic	0.01 50V	CKDYF 103Z 50
C19	Ceramic	0.047 25V	CKDBC 473Z 25
C20	Ceramic	390p 50V	CCKSL 391K 50
C21	Ceramic	390p 50V	CCDSL 391K 50
C22	Ceramic	150p 50V	CCDSL 151K 50
C23	Electrolytic	10 16V	CSZA 100M 16
C24	Electrolytic	47 16V	CEANL 470P 16
C25	Electrolytic	470 16V	CEA 471P 16

Symbol	Description		Part No.
C26	Electrolytic	4.7 25V	CEANL 4R7P 25
C27	Mylar	0.047 50V	CQMA 473J 50
C28	Electrolytic	10 16V	CEANL 100P 16
C29	Electrolytic	10 16V	CEANL 100P 16
C30	Polystyrene film	510p 50V	CQSA 511J 50
C31	Polystyrene film	510p 50V	CQSA 511J 50
C32	Electrolytic	100 16V	CEA 101P 16
C33	Electrolytic	1 50V	CEA 010P 50
C34	Ceramic	0.0033 50V	CKDYA 332J 50
C35	Electrolytic	0.1 35V	CSZA 0R1M 35
C36	Electrolytic	1 25V	CEANL 010P 25
C37	Mylar	0.0033 50V	CQMA 332J 50
C38	Electrolytic	1 25V	CEANL 010P 25
C39	Mylar	0.0033 50V	CQMA 332J 50
C40	Polystyrene film	510p 50V	CQSH 511J 50
C41	Electrolytic	1 10V	CSSA 010M 10
C42	Electrolytic	3.3 10V	CSSA 3R3M 10
C43	Electrolytic	0.22 25V	CSSA R22M 25
C44	Ceramic	0.04 50V	CKDYF 403Z 50
C45	Ceramic	15p 50V	CCDWK 150K 50
C46	Polystyrene film	410p 50V	CQSA 411J 50
C47	Ceramic	0.01 50V	CKDYA 103J 50
C48	Electrolytic	4.7 25V	CEA 4R7P 25
C49	Ceramic	0.04 50V	CKDYF 403Z 50
C50	Ceramic	0.04 50V	CKDYF 403Z 50
C51	Ceramic	220p 50V	CCDSL 221K 50
C52	Ceramic	0.01 50V	CKDYF 103Z 50
C53	Ceramic	0.01 50V	CKDYF 103Z 50
C54	Ceramic	3p 50V	CCDSH 030D 50
C55	Ceramic	0.01 50V	CKDYF 103Z 50
C56	Electrolytic	10 16V	CEA 100P 16
C57	Ceramic	0.01 50V	CKDYF 103Z 50
C58	Ceramic	0.01 50V	CKDYF 103Z 50
C59	Electrolytic	0.1 35V	CSZA 0R1M 35
C60	Electrolytic	220 16V	CEA 221P 16
C61	Electrolytic	47 16V	CEA 470P 16
C62	Ceramic	0.047 25V	CKDBC 473Z 25
C63	Ceramic	47p 50V	CCDSL 470K 50
C64	Ceramic	0.01 50V	CKDYF 103Z 50

OTHER

Symbol	Description	Part No.
	Reed relay	ASR-005

Parts

SWITCH

Symbol

S1

CAPACITORS

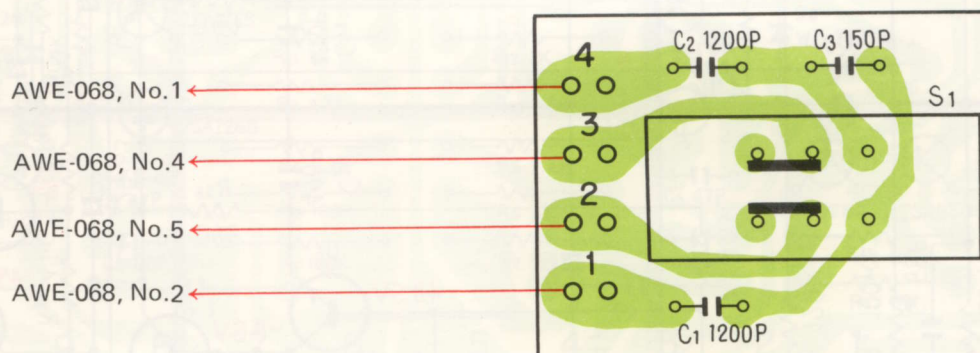
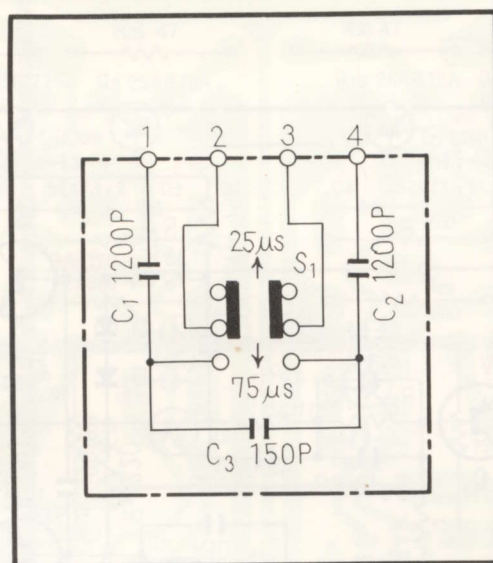
Symbol

C1

C2

C3

12.6 DE-EMPHASIS SWITCH ASSEMBLY (AWX-099)



Parts List of De-emphasis Switch Assembly (AWX-099)

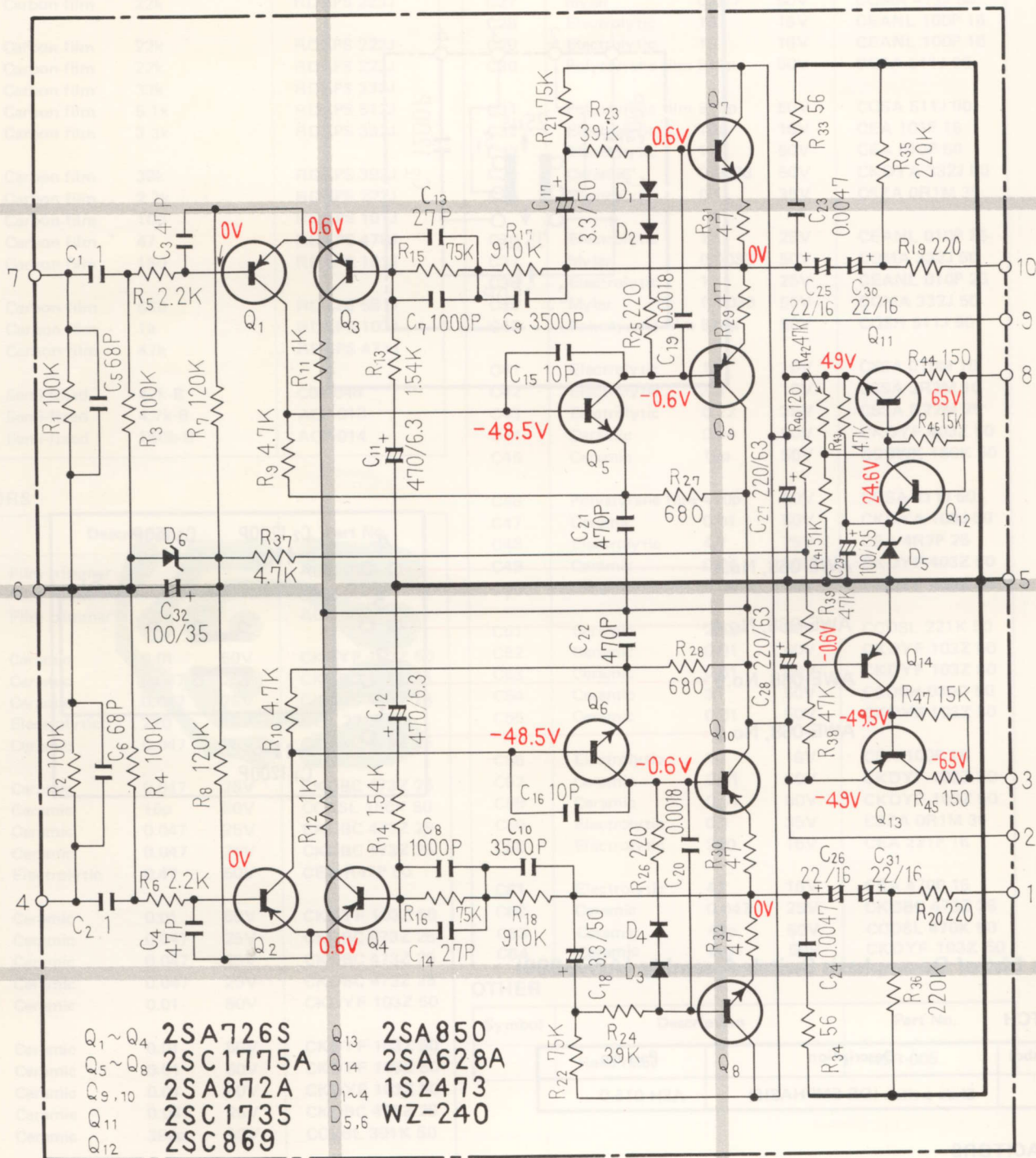
SWITCH

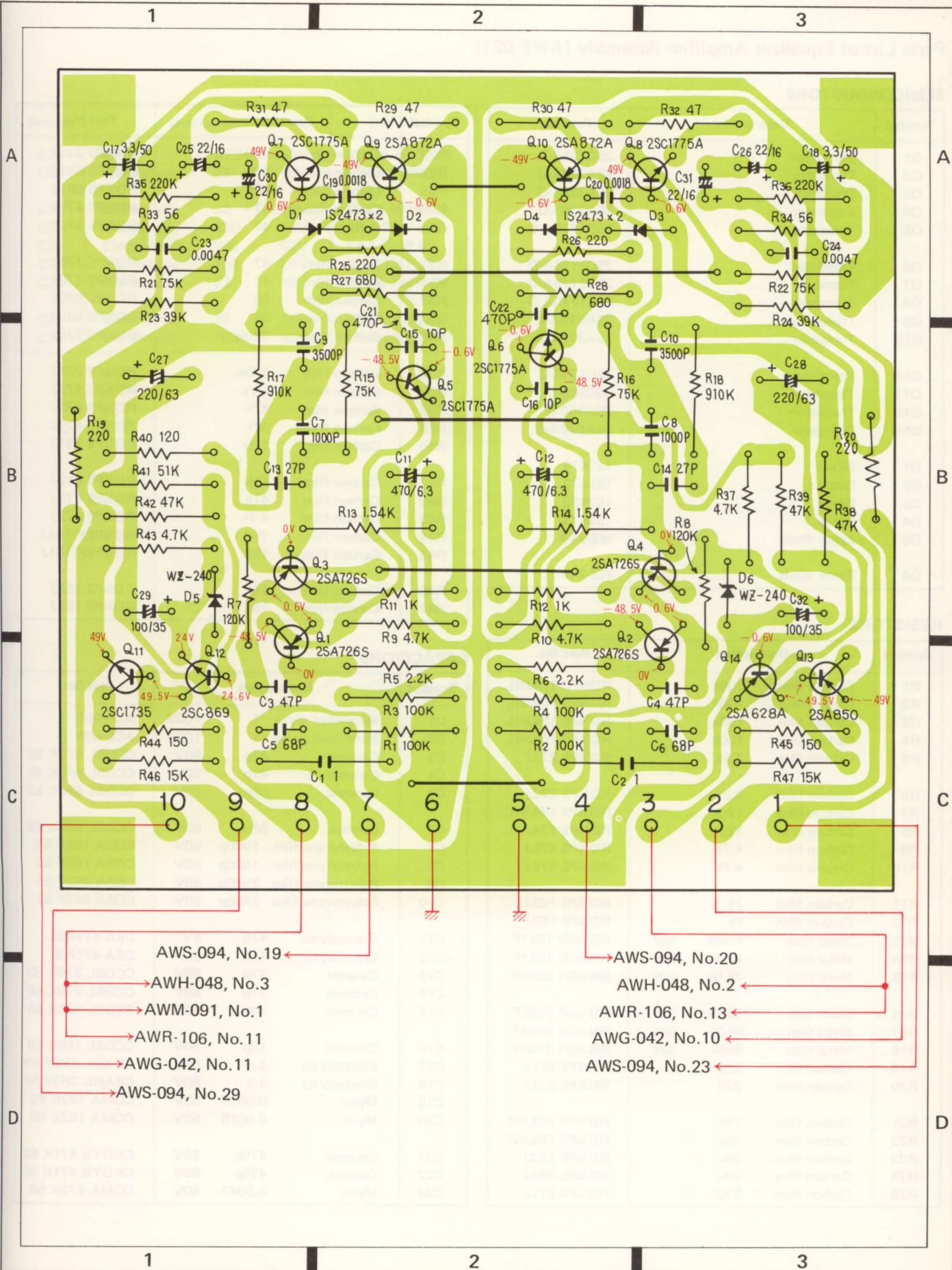
Symbol	Description	Part No.
S1	Slide switch (DE-EMPHASIS)	ASH-015-0

CAPACITORS

Symbol	Description	Part No.
C1	Mylar 1200p 50V	CQMA 122J 50
C2	Mylar 1200p 50V	CQMA 122J 50
C3	Ceramic 150p 50V	CCDSL 151K 50

12.7 EQUALIZER AMPLIFIER ASSEMBLY (AWF-021)





Parts List of Equalizer Amplifier Assembly (AWF-021)

SEMICONDUCTORS

Symbol	Description	Part No.
Q1	Transistor	2SA726S-G
Q2	Transistor	2SA726S-G
Q3	Transistor	2SA726S-G
Q4	Transistor	2SA726S-G
Q5	Transistor	2SC1775A-D
Q6	Transistor	2SC1775A-D
Q7	Transistor	2SC1775A-D
Q8	Transistor	2SC1775A-D
Q9	Transistor	2SA872A-D
Q10	Transistor	2SA872A-D
Q11	Transistor	2SC1735-D
Q12	Transistor	2SC869-C
Q13	Transistor	2SA850-D
Q14	Transistor	2SA628A-C
D1	Diode	1S2473
D2	Diode	1S2473
D3	Diode	1S2473
D4	Diode	1S2473
D5	Zener diode	WZ-240
D6	Zener diode	WZ-240

Symbol	Description	Part No.
R26	Carbon film 220	RD%PS 221J
R27	Carbon film 680	RD%PS 681J
R28	Carbon film 680	RD%PS 681J
R29	Carbon film 47	RD%PS 470J
R30	Carbon film 47	RD%PS 470J
R31	Carbon film 47	RD%PS 470J
R32	Carbon film 47	RD%PS 470J
R33	Carbon film 56	RD%PS 560J
R34	Carbon film 56	RD%PS 560J
R35	Carbon film 220k	RD%PS 224J
R36	Carbon film 220k	RD%PS 224J
R37	Carbon film 4.7k	RD%PS 472J
R38	Carbon film 47k	RD%PS 473J
R39	Carbon film 47k	RD%PS 473J
R40	Carbon film 120	RD%PS 121J
R41	Carbon film 51k	RD%PS 513J
R42	Carbon film 47k	RD%PS 473J
R43	Carbon film 4.7k	RD%PS 472J
R44	Carbon film 150	RD%PSF 151J
R45	Carbon film 150	RD%PSF 151J
R46	Carbon film 15k	RD%PS 153J
R47	Carbon film 15k	RD%PS 153J

RESISTORS

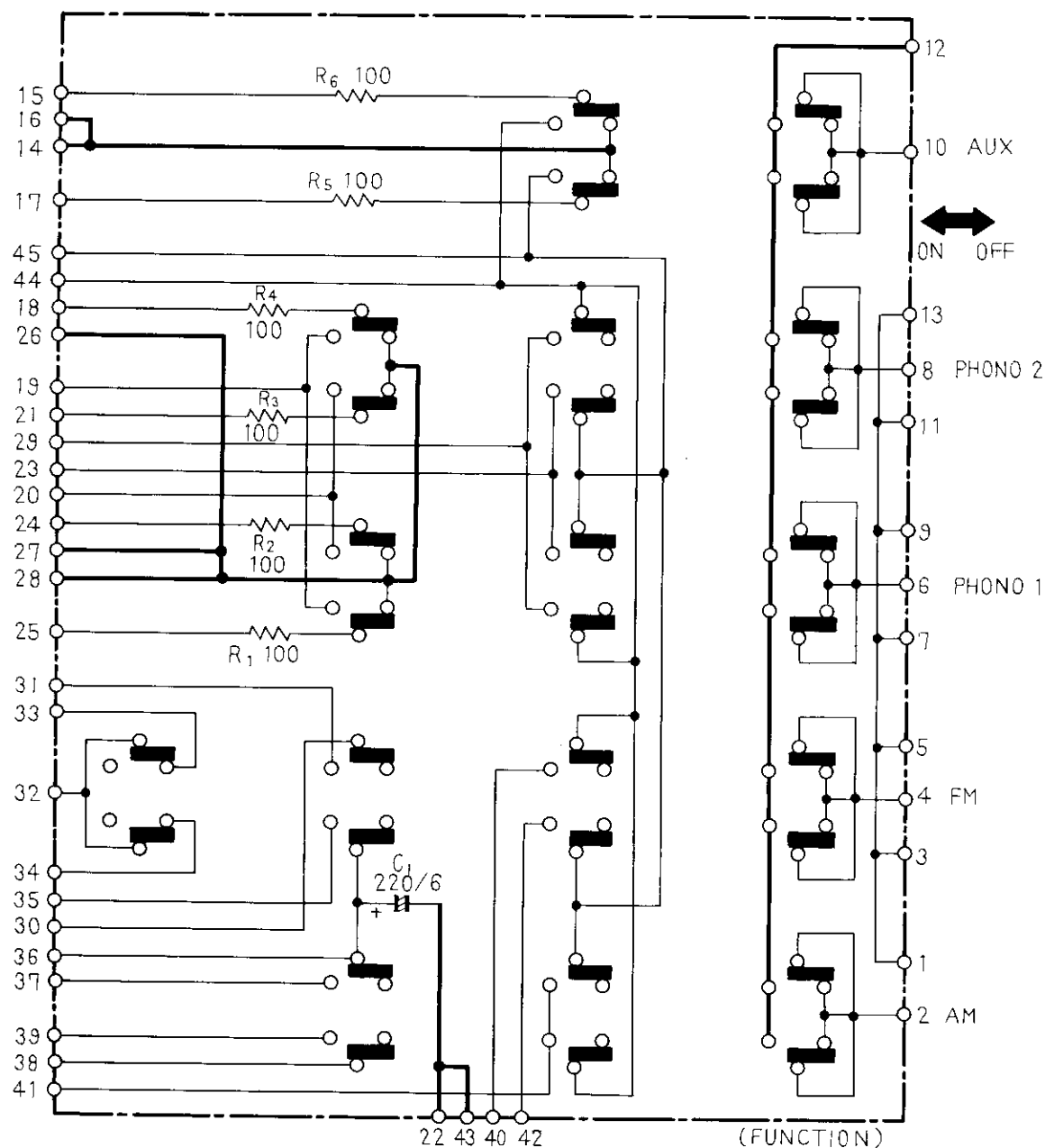
Symbol	Description	Part No.
R1	Carbon film 100k	RD%PS 104JNL
R2	Carbon film 100k	RD%PS 104JNL
R3	Carbon film 100k	RD%PS 104JNL
R4	Carbon film 100k	RD%PS 104JNL
R5	Carbon film 2.2k	RD%PS 222J
R6	Carbon film 2.2k	RD%PS 222J
R7	Carbon film 120k	RD%PS 124JNL
R8	Carbon film 120k	RD%PS 124JNL
R9	Carbon film 4.7k	RD%PS 472J
R10	Carbon film 4.7k	RD%PS 472J
R11	Carbon film 1k	RD%PS 102J
R12	Carbon film 1k	RD%PS 102J
R13	Metal film 1.54k 1/4W	RN%SR 1541F
R14	Metal film 1.54k 1/4W	RN%SR 1541F
R15	Metal film 75.0k 1/4W	RN%SR 7502F
R16	Metal film 75.0k 1/4W	RN%SR 7502F
R17	Metal film 910k 1/4W	RN%SR 9103F
R18	Metal film 910k 1/4W	RN%SR 9103F
R19	Carbon film 220	RD%PS 221J
R20	Carbon film 220	RD%PS 221J
R21	Carbon film 75k	RD%PS 753JNL
R22	Carbon film 75k	RD%PS 753JNL
R23	Carbon film 39k	RD%PS 393J
R24	Carbon film 39k	RD%PS 393J
R25	Carbon film 220	RD%PS 221J

CAPACITORS

Symbol	Description	Part No.
C1	Metallized mylar 1 100V	ACE-008
C2	Metallized mylar 1 100V	ACE-008
C3	Ceramic 47p 50V	CCDSL 470K 50
C4	Ceramic 47p 50V	CCDSL 470K 50
C5	Ceramic 68p 50V	CCDSL 680K 50
C6	Ceramic 68p 50V	CCDSL 680K 50
C7	Polystyrene film 1000p 50V	CQSA 102F 50
C8	Polystyrene film 1000p 50V	CQSA 102F 50
C9	Polystyrene film 3500p 50V	CQSA 352F 50
C10	Polystyrene film 3500p 50V	CQSA 352F 50
C11	Electrolytic 470 6V	CEA 471P 6
C12	Electrolytic 470 6V	CEA 471P 6
C13	Ceramic 27p 50V	CCDSL 270K 50
C14	Ceramic 27p 50V	CCDSL 270K 50
C15	Ceramic 10p 50V	CCDSL 100K 50
C16	Ceramic 10p 50V	CCDSL 100K 50
C17	Electrolytic 3.3 50V	CEANL 3R3P 50
C18	Electrolytic 3.3 50V	CEANL 3R3P 50
C19	Mylar 0.0018 50V	CQMA 182K 50
C20	Mylar 0.0018 50V	CQMA 182K 50
C21	Ceramic 470p 50V	CKDYB 471K 50
C22	Ceramic 470p 50V	CKDYB 471K 50
C23	Mylar 0.0047 50V	CQMA 472K 50

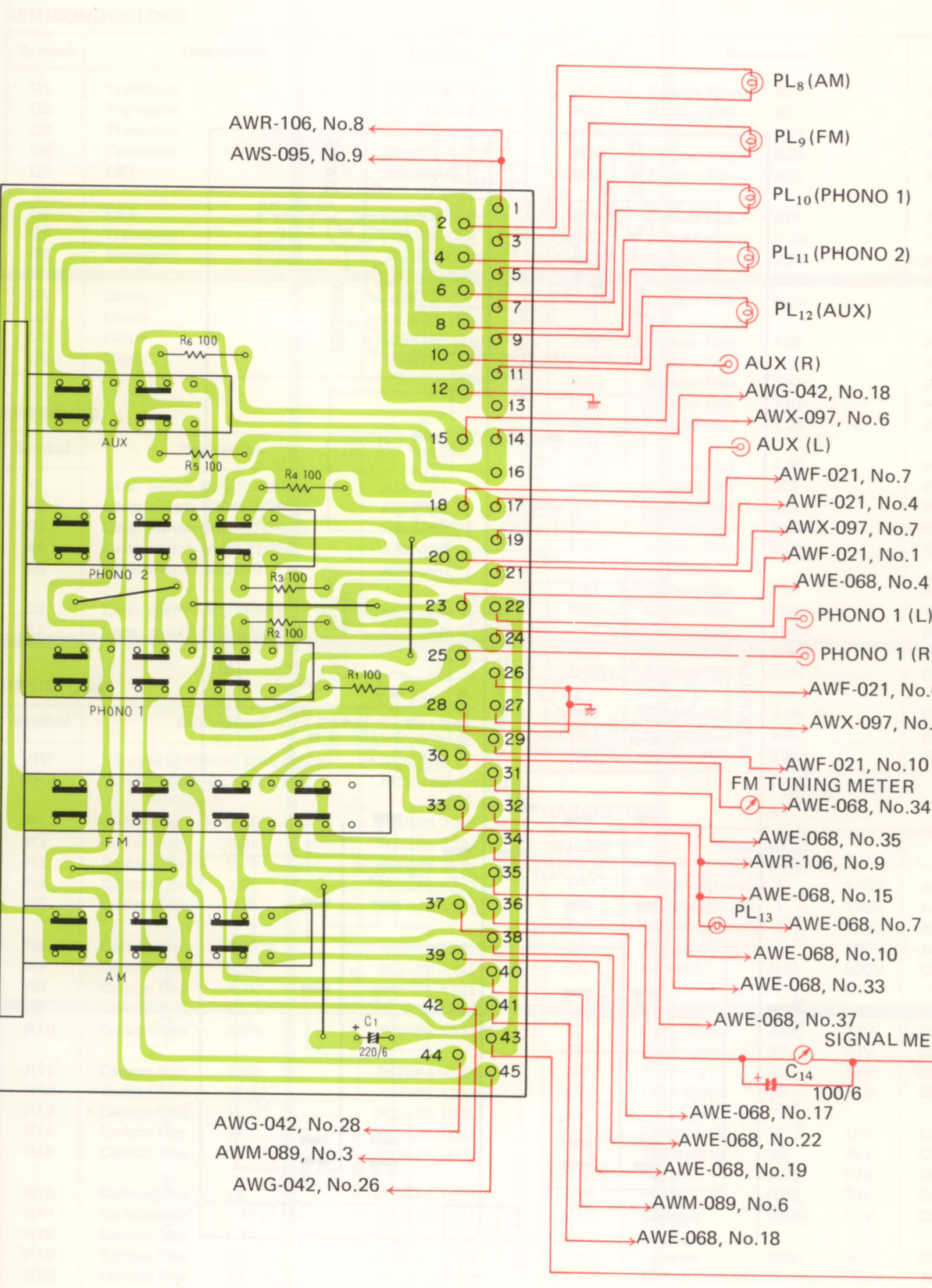
Symbol	Description			Part No.
C24	Mylar	0.0047	50V	CQMA 472K 50
C25	Electrolytic	22	16V	CSZA 220M 16
C26	Electrolytic	22	16V	CSZA 220M 16
C27	Electrolytic	220	63V	CEA 221P 63
C28	Electrolytic	220	63V	CEA 221P 63
C29	Electrolytic	100	35V	CEA 101P 35
C30	Electrolytic	22	16V	CSZA 220M 16
C31	Electrolytic	22	16V	CSZA 220M 16
C32	Electrolytic	100	35V	CEA 101P 35

12.8 FUNCTION SWITCH ASSEMBLY (AWS-094)

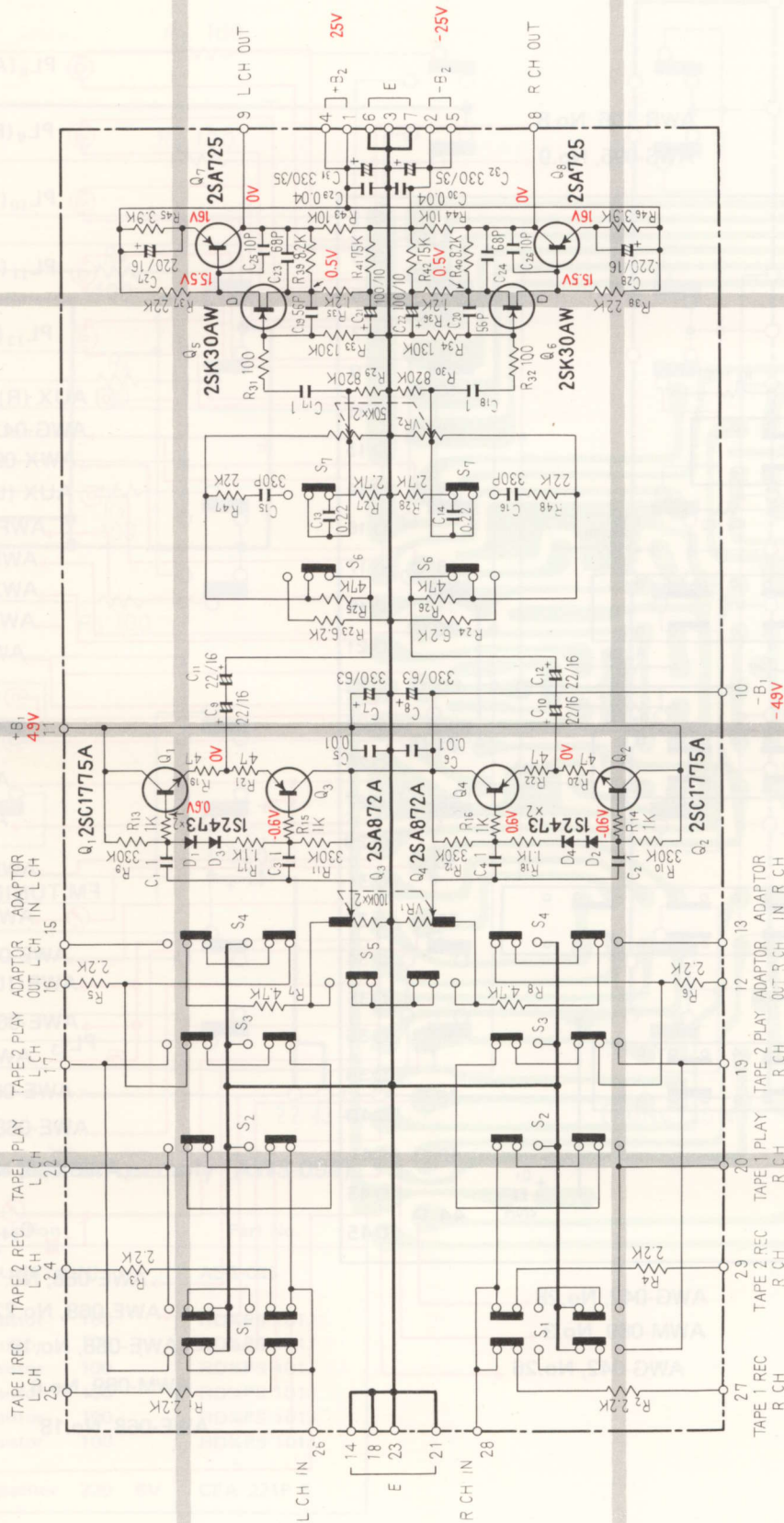


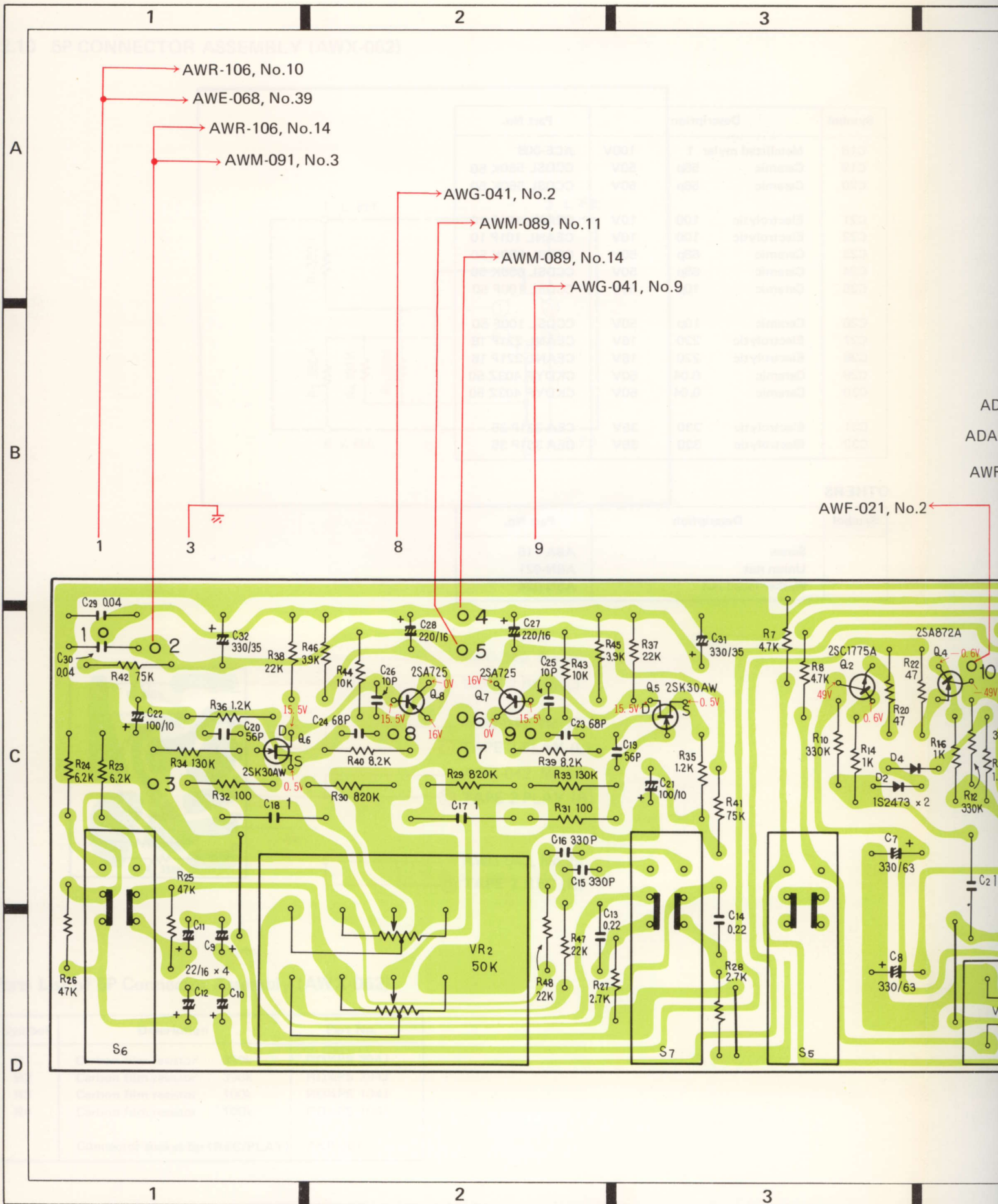
Parts List of Function Switch Assembly (AWS-094)

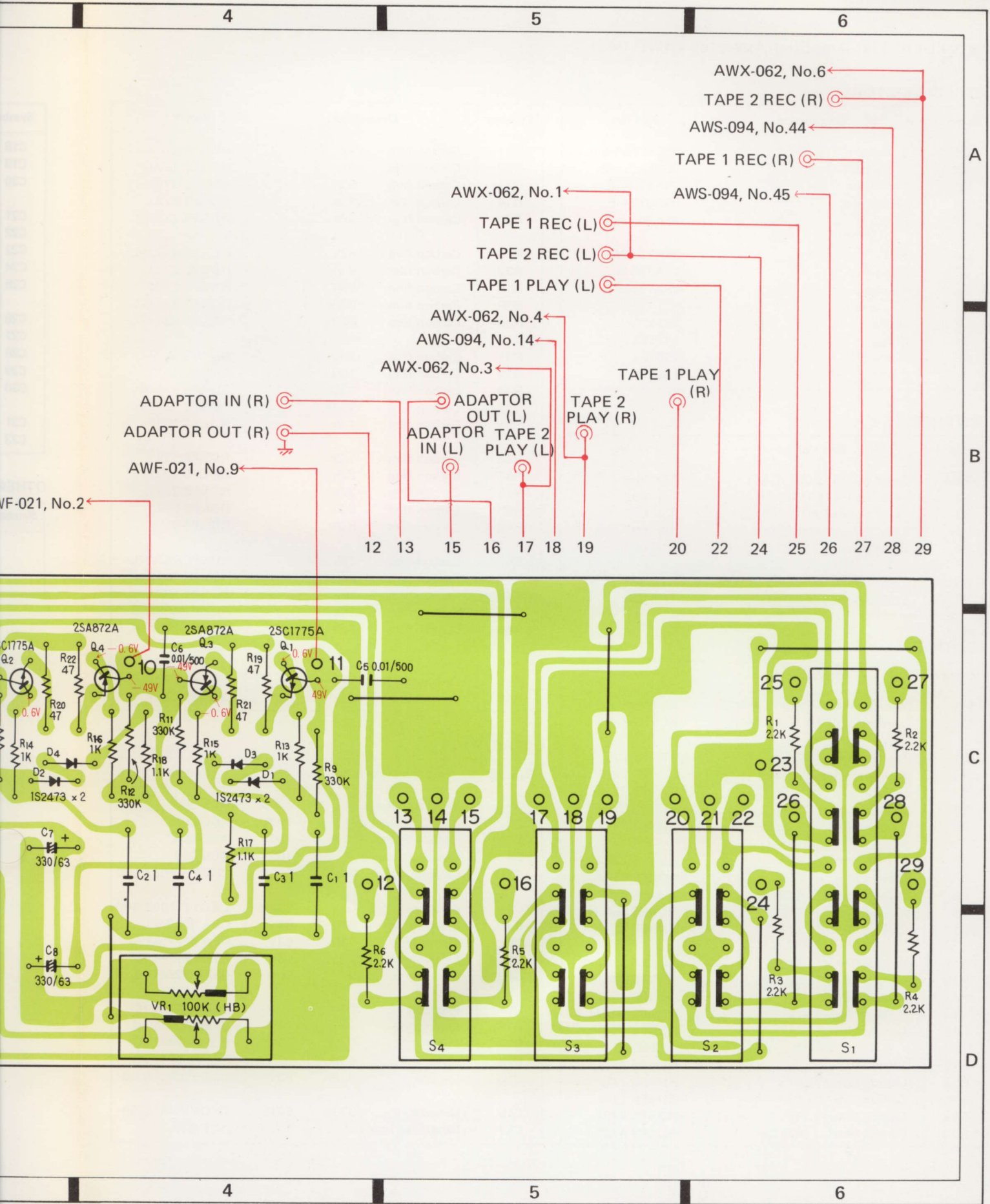
Symbol	Description		Part No.
S1	Push switch (FUNCTION)		ASG-095
R1	Carbon film resistor	100	RD4PS 101J
R2	Carbon film resistor	100	RD4PS 101J
R3	Carbon film resistor	100	RD4PS 101J
R4	Carbon film resistor	100	RD4PS 101J
R5	Carbon film resistor	100	RD4PS 101J
R6	Carbon film resistor	100	RD4PS 101J
C1	Electrolytic capacitor	220 6V	CEA 221P 6



12.9 FLAT AMPLIFIER ASSEMBLY (AWG-042)







Parts List of Flat Amplifier Assembly (AWG-042)

SEMICONDUCTORS

Symbol	Description	Part No.
Q1	Transistor	2SC1775A-E
Q2	Transistor	2SC1775A-E
Q3	Transistor	2SA872A-E
Q4	Transistor	2SA872A-E
Q5	FET	2SK30AW-Y
Q6	FET	2SK30AW-Y
Q7	Transistor	2SA725-G
Q8	Transistor	2SA725-G
D1	Diode	1S2473
D2	Diode	1S2473
D3	Diode	1S2473
D4	Diode	1S2473

SWITCHES

Symbol	Description	Part No.
S1	Lever switch (DUPLICATE)	ASK-084
S2	Lever switch (MONITOR 1)	ASK-092
S3	Lever switch (MONITOR 2)	ASK-092
S4	Lever switch (ADAPTOR)	ASK-092
S5	Lever switch (MODE)	ASK-090
S6	Lever switch (MUTING)	ASK-090
S7	Lever switch (LOUDNESS)	ASK-090

RESISTORS

Symbol	Description	Part No.
VR1	Variable (100k-HB BALANCE)	ACV-163
VR2	Variable (50k-B2 VOLUME)	ACV-169
R1	Carbon film 2.2k	RD4PS 222J
R2	Carbon film 2.2k	RD4PS 222J
R3	Carbon film 2.2k	RD4PS 222J
R4	Carbon film 2.2k	RD4PS 222J
R5	Carbon film 2.2k	RD4PS 222J
R6	Carbon film 2.2k	RD4PS 222J
R7	Carbon film 4.7k	RD4PS 472J
R8	Carbon film 4.7k	RD4PS 472J
R9	Carbon film 330k	RD4PS 334JNL
R10	Carbon film 330k	RD4PS 334JNL
R11	Carbon film 330k	RD4PS 334JNL
R12	Carbon film 330k	RD4PS 334JNL
R13	Carbon film 1k	RD4PS 102J
R14	Carbon film 1k	RD4PS 102J
R15	Carbon film 1k	RD4PS 102J
R16	Carbon film 1k	RD4PS 102J
R17	Carbon film 1.1k	RD4PS 112J
R18	Carbon film 1.1k	RD4PS 112J
R19	Carbon film 47	RD4PS 470J
R20	Carbon film 47	RD4PS 470J

Symbol	Description	Part No.
R21	Carbon film 47	RD4PS 470J
R22	Carbon film 47	RD4PS 470J
R23	Carbon film 6.2k	RD4PS 622J
R24	Carbon film 6.2k	RD4PS 622J
R25	Carbon film 47k	RD4PS 473JNL
R26	Carbon film 47k	RD4PS 473JNL
R27	Carbon film 2.7k	RD4PS 272J
R28	Carbon film 2.7k	RD4PS 272J
R29	Carbon film 820k	RD4PS 824JNL
R30	Carbon film 820k	RD4PS 824JNL
R31	Carbon film 100	RD4PS 101J
R32	Carbon film 100	RD4PS 101J
R33	Carbon film 130k	RD4PS 134JNL
R34	Carbon film 130k	RD4PS 134JNL
R35	Carbon film 1.2k	RD4PS 122J
R36	Carbon film 1.2k	RD4PS 122J
R37	Carbon film 22k	RD4PS 223J
R38	Carbon film 22k	RD4PS 223J
R39	Carbon film 8.2k	RD4PS 822J
R40	Carbon film 8.2k	RD4PS 822J
R41	Carbon film 75k	RD4PS 753JNL
R42	Carbon film 75k	RD4PS 753JNL
R43	Carbon film 10k	RD4PS 103J
R44	Carbon film 10k	RD4PS 103J
R45	Carbon film 3.9k	RD4PS 392J
R46	Carbon film 3.9k	RD4PS 392J
R47	Carbon film 22k	RD4PS 223J
R48	Carbon film 22k	RD4PS 223J

CAPACITORS

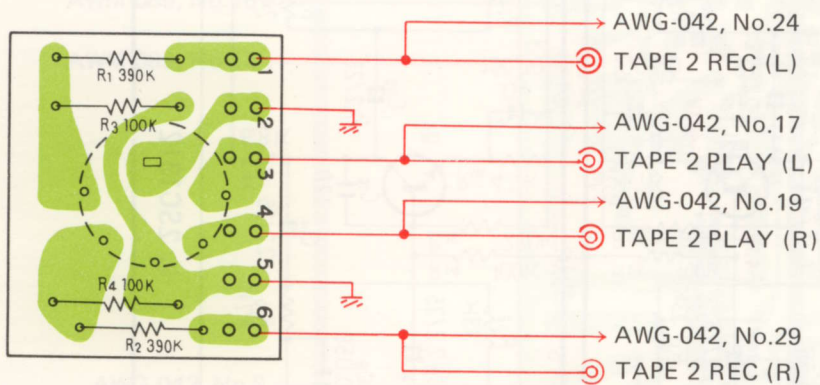
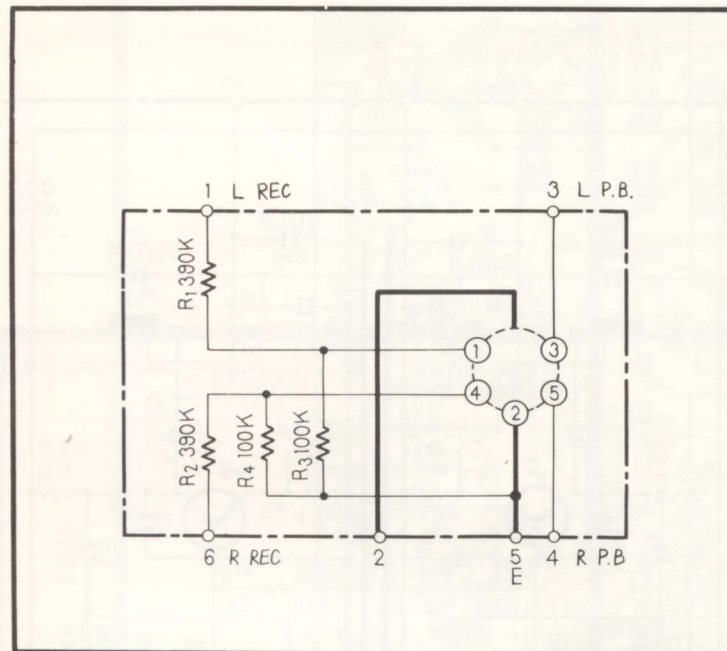
Symbol	Description	Part No.
C1	Metallized mylar 1 100V	ACE-008
C2	Metallized mylar 1 100V	ACE-008
C3	Metallized mylar 1 100V	ACE-008
C4	Metallized mylar 1 100V	ACE-008
C5	Ceramic 0.01 500V	CKDYF 103Z 500
C6	Ceramic 0.01 500V	CKDYF 103Z 500
C7	Electrolytic 330 63V	CEA 331P 63
C8	Electrolytic 330 63V	CEA 331P 63
C9	Electrolytic 22 16V	CSZA 220M 16
C10	Electrolytic 22 16V	CSZA 220M 16
C11	Electrolytic 22 16V	CSZA 220M 16
C12	Electrolytic 22 16V	CSZA 220M 16
C13	Mylar 0.22 50V	CQMA 224J 50
C14	Mylar 0.22 50V	CQMA 224J 50
C15	Ceramic 330R 50V	CKDYB 331K 50
C16	Ceramic 330p 50V	CKDYB 331K 50
C17	Metallized mylar 1 100V	ACE-008

Symbol	Description			Part No.
C18	Metallized mylar	1	100V	ACE-008
C19	Ceramic	56p	50V	CCDSL 560K 50
C20	Ceramic	56p	50V	CCDSL 560K 50
C21	Electrolytic	100	10V	CEANL 101P 10
C22	Electrolytic	100	10V	CEANL 101P 10
C23	Ceramic	68p	50V	CCDSL 680K 50
C24	Ceramic	68p	50V	CCDSL 680K 50
C25	Ceramic	10p	50V	CCDSL 100F 50
C26	Ceramic	10p	50V	CCDSL 100F 50
C27	Electrolytic	220	16V	CEANL 221P 16
C28	Electrolytic	220	16V	CEANL 221P 16
C29	Ceramic	0.04	50V	CKDYF 403Z 50
C30	Ceramic	0.04	50V	CKDYF 403Z 50
C31	Electrolytic	330	35V	CEA 331P 35
C32	Electrolytic	330	35V	CEA 331P 35

OTHERS

Symbol	Description	Part No.
	Screw	ABA-116
	Union nut	ABN-021
	Washer faced nut	ABN-024

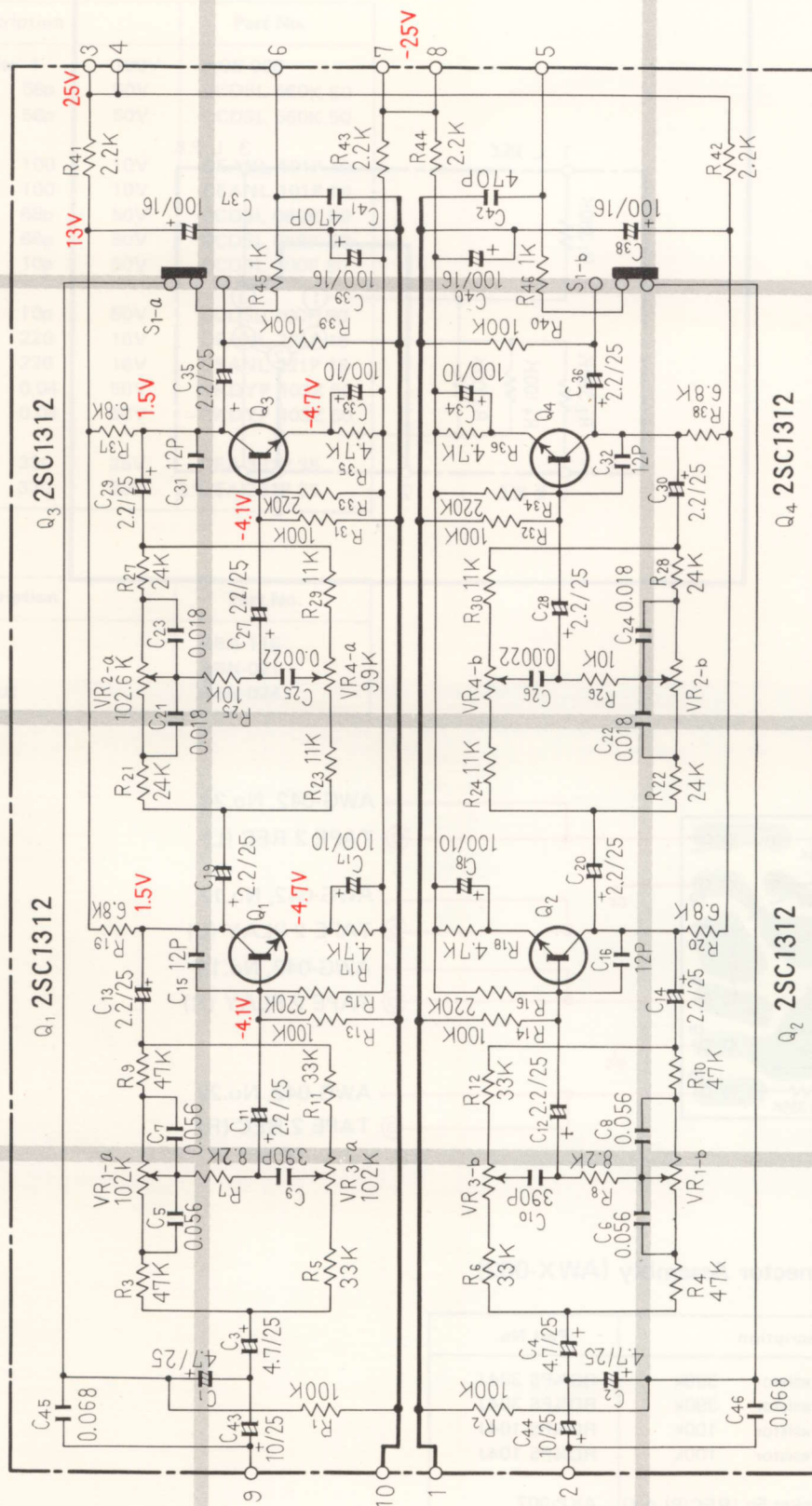
12.10 5P CONNECTOR ASSEMBLY (AWX-062)

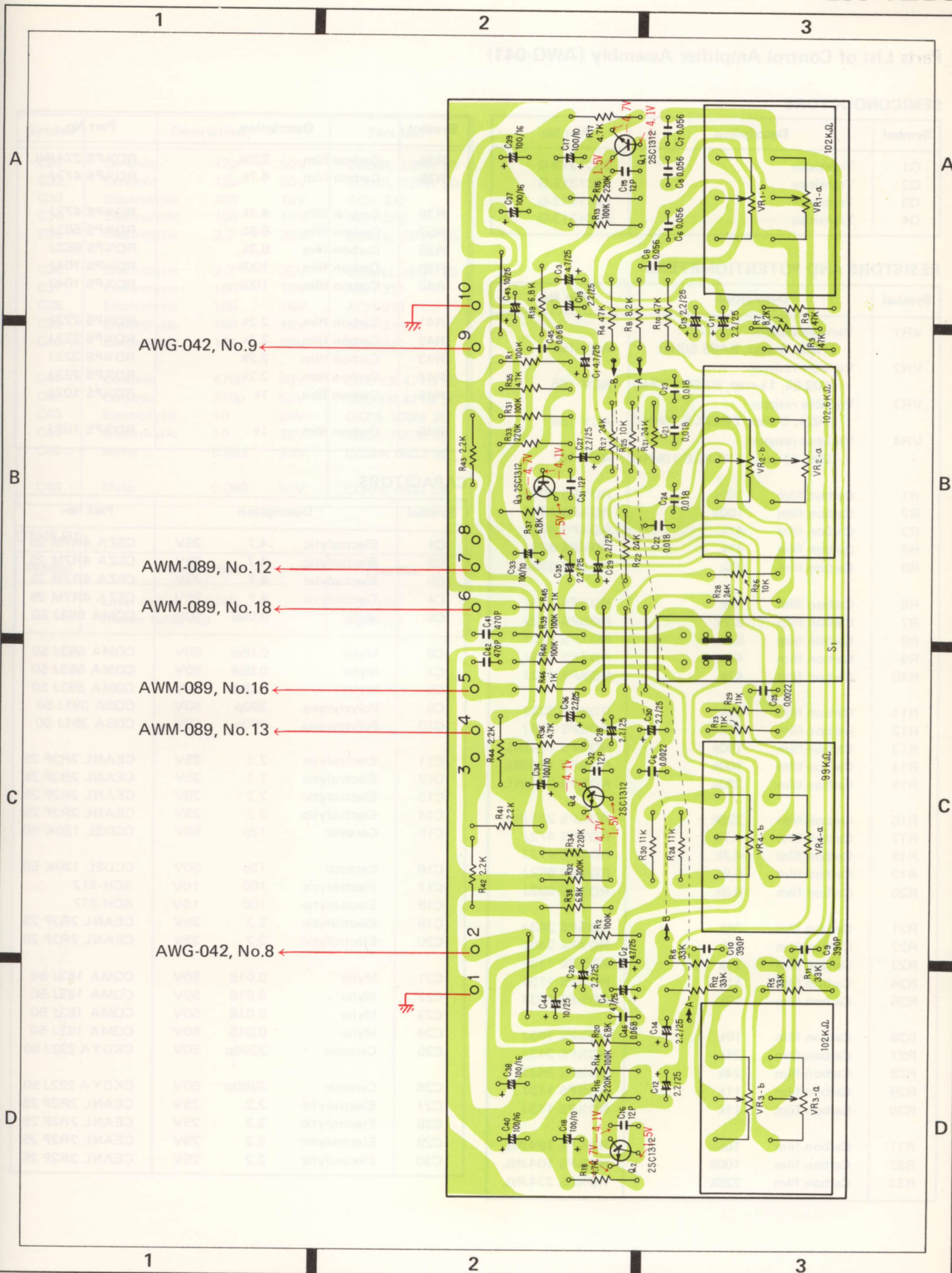


Parts List of 5P Connector Assembly (AWX-062)

Symbol	Description	Part No.
R1	Carbon film resistor 390k	RD¼PS 394J
R2	Carbon film resistor 390k	RD¼PS 394J
R3	Carbon film resistor 100k	RD¼PS 104J
R4	Carbon film resistor 100k	RD¼PS 104J
	Connector socket 5p (REC/PLAY)	AKP-007

12.11 CONTROL AMPLIFIER ASSEMBLY (AWG-041)





Parts List of Control Amplifier Assembly (AWG-041)

SEMICONDUCTORS

Symbol	Description	Part No.
Q1	Transistor	2SC1312-G
Q2	Transistor	2SC1312-G
Q3	Transistor	2SC1312-G
Q4	Transistor	2SC1312-G

RESISTORS AND POTENTIOMETERS

Symbol	Description	Part No.
VR1	Variable resistor (102k, 5-step, BASS 50Hz)	ACV-165
VR2	Variable resistor (102.6k, 11-step, BASS 100Hz)	ACV-166
VR3	Variable resistor (102k, 5-step, TREBLE 20kHz)	ACV-168
VR4	Variable resistor (99k, 11-step, TREBLE 10kHz)	ACV-167
R1	Carbon film 100k	RD4PS 104J
R2	Carbon film 100k	RD4PS 104J
R3	Carbon film 47k	RD4PS 473J
R4	Carbon film 47k	RD4PS 473J
R5	Carbon film 33k	RD4PS 333J
R6	Carbon film 33k	RD4PS 333J
R7	Carbon film 8.2k	RD4PS 822J
R8	Carbon film 8.2k	RD4PS 822J
R9	Carbon film 47k	RD4PS 473J
R10	Carbon film 47k	RD4PS 473J
R11	Carbon film 33k	RD4PS 333J
R12	Carbon film 33k	RD4PS 333J
R13	Carbon film 100k	RD4PS 104JNL
R14	Carbon film 100k	RD4PS 104JNL
R15	Carbon film 220k	RD4PS 224JNL
R16	Carbon film 220k	RD4PS 224JNL
R17	Carbon film 4.7k	RD4PS 472J
R18	Carbon film 4.7k	RD4PS 472J
R19	Carbon film 6.8k	RD4PS 682J
R20	Carbon film 6.8k	RD4PS 682J
R21	Carbon film 24k	RD4PS 243J
R22	Carbon film 24k	RD4PS 243J
R23	Carbon film 11k	RD4PS 113J
R24	Carbon film 11k	RD4PS 113J
R25	Carbon film 10k	RD4PS 103J
R26	Carbon film 10k	RD4PS 103J
R27	Carbon film 24k	RD4PS 243J
R28	Carbon film 24k	RD4PS 243J
R29	Carbon film 11k	RD4PS 113J
R30	Carbon film 11k	RD4PS 113J
R31	Carbon film 100k	RD4PS 104JNL
R32	Carbon film 100k	RD4PS 104JNL
R33	Carbon film 220k	RD4PS 224JNL

Symbol	Description	Part No.
R34	Carbon film 220k	RD4PS 224JNL
R35	Carbon film 4.7k	RD4PS 472J
R36	Carbon film 4.7k	RD4PS 472J
R37	Carbon film 6.8k	RD4PS 682J
R38	Carbon film 6.8k	RD4PS 682J
R39	Carbon film 100k	RD4PS 104J
R40	Carbon film 100k	RD4PS 104J
R41	Carbon film 2.2k	RD4PS 222J
R42	Carbon film 2.2k	RD4PS 222J
R43	Carbon film 2.2k	RD4PS 222J
R44	Carbon film 2.2k	RD4PS 222J
R45	Carbon film 1k	RD4PS 102J
R46	Carbon film 1k	RD4PS 102J

CAPACITORS

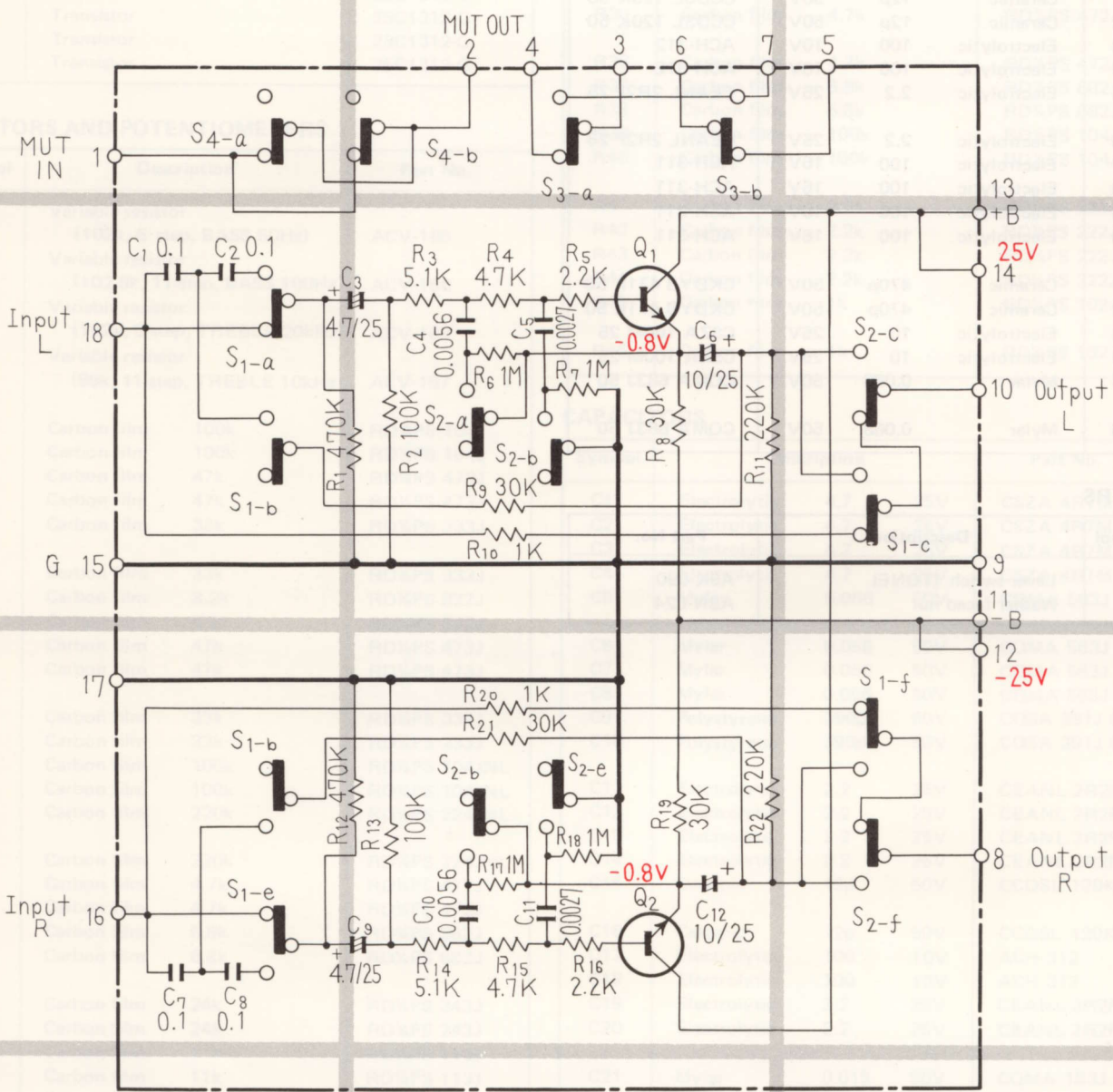
Symbol	Description	Part No.
C1	Electrolytic 4.7 25V	CSZA 4R7M 25
C2	Electrolytic 4.7 25V	CSZA 4R7M 25
C3	Electrolytic 4.7 25V	CSZA 4R7M 25
C4	Electrolytic 4.7 25V	CSZA 4R7M 25
C5	Mylar 0.056 50V	CQMA 563J 50
C6	Mylar 0.056 50V	CQMA 563J 50
C7	Mylar 0.056 50V	CQMA 563J 50
C8	Mylar 0.056 50V	CQMA 563J 50
C9	Polystyrene 390p 50V	CQSA 391J 50
C10	Polystyrene 390p 50V	CQSA 391J 50
C11	Electrolytic 2.2 25V	CEANL 2R2P 25
C12	Electrolytic 2.2 25V	CEANL 2R2P 25
C13	Electrolytic 2.2 25V	CEANL 2R2P 25
C14	Electrolytic 2.2 25V	CEANL 2R2P 25
C15	Ceramic 12p 50V	CCDSL 120K 50
C16	Ceramic 12p 50V	CCDSL 120K 50
C17	Electrolytic 100 10V	ACH-312
C18	Electrolytic 100 10V	ACH-312
C19	Electrolytic 2.2 25V	CEANL 2R2P 25
C20	Electrolytic 2.2 25V	CEANL 2R2P 25
C21	Mylar 0.018 50V	CQMA 183J 50
C22	Mylar 0.018 50V	CQMA 183J 50
C23	Mylar 0.018 50V	CQMA 183J 50
C24	Mylar 0.018 50V	CQMA 183J 50
C25	Ceramic 2200p 50V	CKDYA 222J 50
C26	Ceramic 2200p 50V	CKDYA 222J 50
C27	Electrolytic 2.2 25V	CEANL 2R2P 25
C28	Electrolytic 2.2 25V	CEANL 2R2P 25
C29	Electrolytic 2.2 25V	CEANL 2R2P 25
C30	Electrolytic 2.2 25V	CEANL 2R2P 25

Symbol	Description			Part No.
C31	Ceramic	12p	50V	CCDSL 120K 50
C32	Ceramic	12p	50V	CCDSL 120K 50
C33	Electrolytic	100	10V	ACH-312
C34	Electrolytic	100	10V	ACH-312
C35	Electrolytic	2.2	25V	CEANL 2R2P 25
C36	Electrolytic	2.2	25V	CEANL 2R2P 25
C37	Electrolytic	100	16V	ACH-311
C38	Electrolytic	100	16V	ACH-311
C39	Electrolytic	100	16V	ACH-311
C40	Electrolytic	100	16V	ACH-311
C41	Ceramic	470p	50V	CKDYB 471K 50
C42	Ceramic	470p	50V	CKDYB 471K 50
C43	Electrolytic	10	25V	CSZA 100M 25
C44	Electrolytic	10	25V	CSZA 100M 25
C45	Mylar	0.068	50V	CQMA 683J 50
C46	Mylar	0.068	50V	CQMA 683J 50

OTHERS

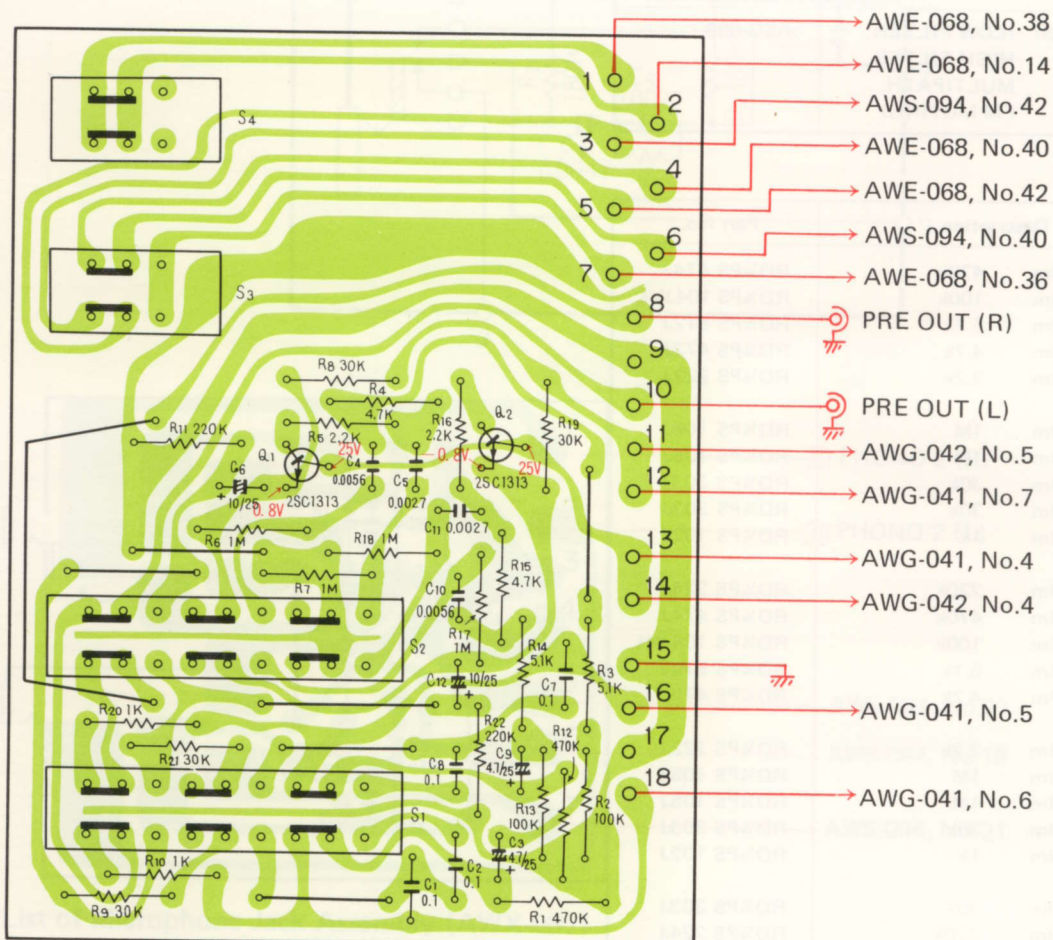
Symbol	Description	Part No.
	Lever switch (TONE)	ASK-090
	Washer faced nut	ABN-024

12.12 FILTER AMPLIFIER ASSEMBLY (AWM-089)



- SWITCHES
- S₁ ; LOW FILTER
 - S₂ ; HIGH FILTER
 - S₃ ; MULTIPATH
 - S₄ ; FM MUTING

- TRANSISTORS
- Q₁, Q₂ **2SC1313**×2
(**2SC1345**)



- AWE-068, No.38
- AWE-068, No.14
- AWS-094, No.42
- AWE-068, No.40
- AWE-068, No.42
- AWS-094, No.40
- AWE-068, No.36
- PRE OUT (R)
- PRE OUT (L)
- AWG-042, No.5
- AWG-041, No.7
- AWG-041, No.4
- AWG-042, No.4
- AWG-041, No.5
- AWG-041, No.6

Parts List of Filter Amplifier Assembly (AWM-089)

SEMICONDUCTORS

Symbol	Description	Part No.
Q1	Transistor	2SC1313-G (2SC1345-D)
Q2	Transistor	2SC1313-G (2SC1345-D)

Symbol	Description	Part No.
C8	Mylar 0.1 50V	CQMA 104J 50
C9	Electrolytic 4.7 25V	CSZA 4R7M 25
C10	Ceramic 5600p 50V	CKDYA 562J 50
C11	Ceramic 2700p 50V	CKDYA 272J 50
C12	Electrolytic 10 25V	CSZA 100M 25

SWITCHES

Symbol	Description	Part No.
S1-4	Push switch (LOW FILTER, HIGH FILTER, MULTIPATH, FM MUTING)	ASG-098

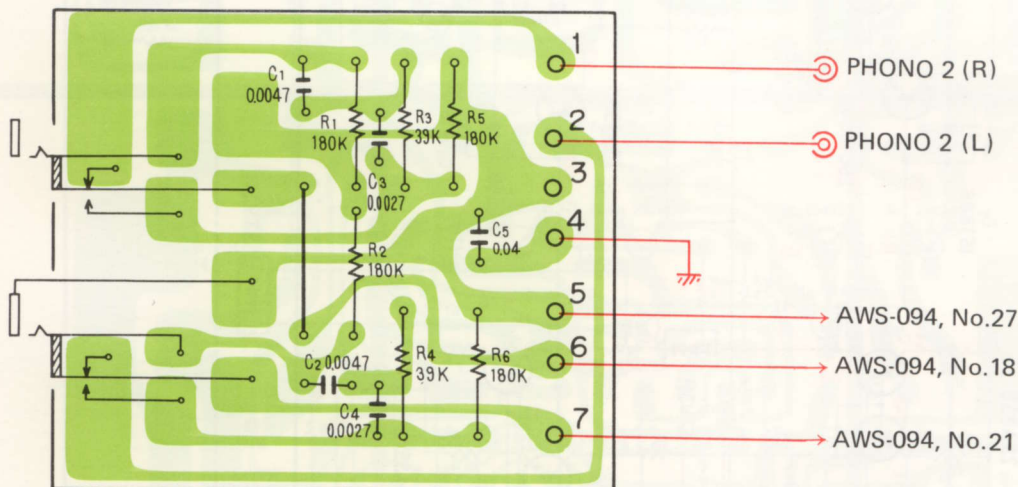
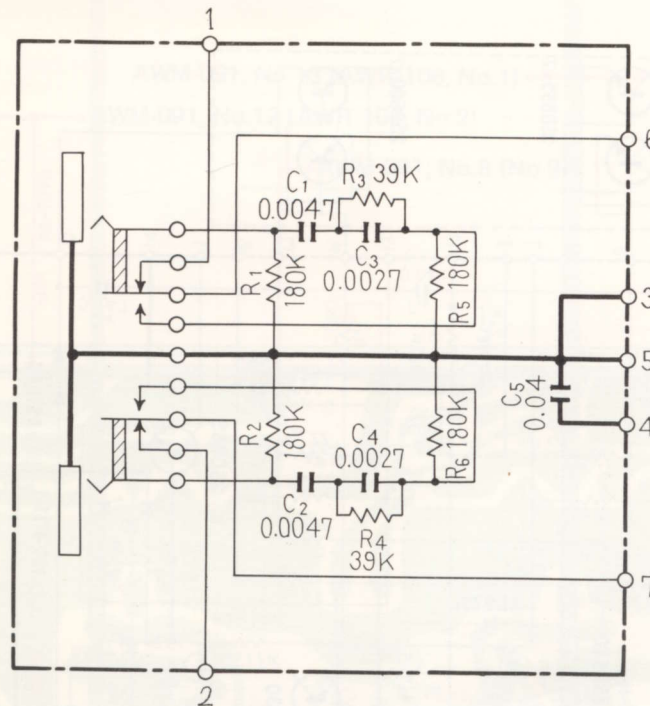
RESISTORS

Symbol	Description	Part No.
R1	Carbon film 470k	RD4PS 474J
R2	Carbon film 100k	RD4PS 104JNL
R3	Carbon film 5.1k	RD4PS 512J
R4	Carbon film 4.7k	RD4PS 472J
R5	Carbon film 2.2k	RD4PS 222J
R6	Carbon film 1M	RD4PS 105J
R7	Carbon film 1M	RD4PS 105J
R8	Carbon film 30k	RD4PS 303J
R9	Carbon film 30k	RD4PS 303J
R10	Carbon film 1k	RD4PS 102J
R11	Carbon film 220k	RD4PS 224J
R12	Carbon film 470k	RD4PS 474J
R13	Carbon film 100k	RD4PS 104JNL
R14	Carbon film 5.1k	RD4PS 512J
R15	Carbon film 4.7k	RD4PS 472J
R16	Carbon film 2.2k	RD4PS 222J
R17	Carbon film 1M	RD4PS 105J
R18	Carbon film 1M	RD4PS 105J
R19	Carbon film 30k	RD4PS 303J
R20	Carbon film 1k	RD4PS 102J
R21	Carbon film 30k	RD4PS 303J
R22	Carbon film 220k	RD4PS 224J

CAPACITORS

Symbol	Description	Part No.
C1	Mylar 0.1 50V	CQMA 104J 50
C2	Mylar 0.1 50V	CQMA 104J 50
C3	Electrolytic 4.7 25V	CSZA 4R7M 25
C4	Ceramic 5600p 50V	CKDYA 562J 50
C5	Ceramic 2700p 50V	CKDYA 272J 50
C6	Electrolytic 10 25V	CSZA 100M 25
C7	Mylar 0.1 50V	CQMA 104J 50

12.13 MICROPHONE JACK ASSEMBLY (AWX-097)



Parts List of Microphone Jack Assembly (AWX-097)

RESISTORS

Symbol	Description	Part No.
R1	Carbon film 180k	RD¼PS 184JNL
R2	Carbon film 180k	RD¼PS 184JNL
R3	Carbon film 39k	RD¼PS 393JNL
R4	Carbon film 39k	RD¼PS 393JNL
R5	Carbon film 180k	RD¼PS 184JNL
R6	Carbon film 180k	RD¼PS 184JNL

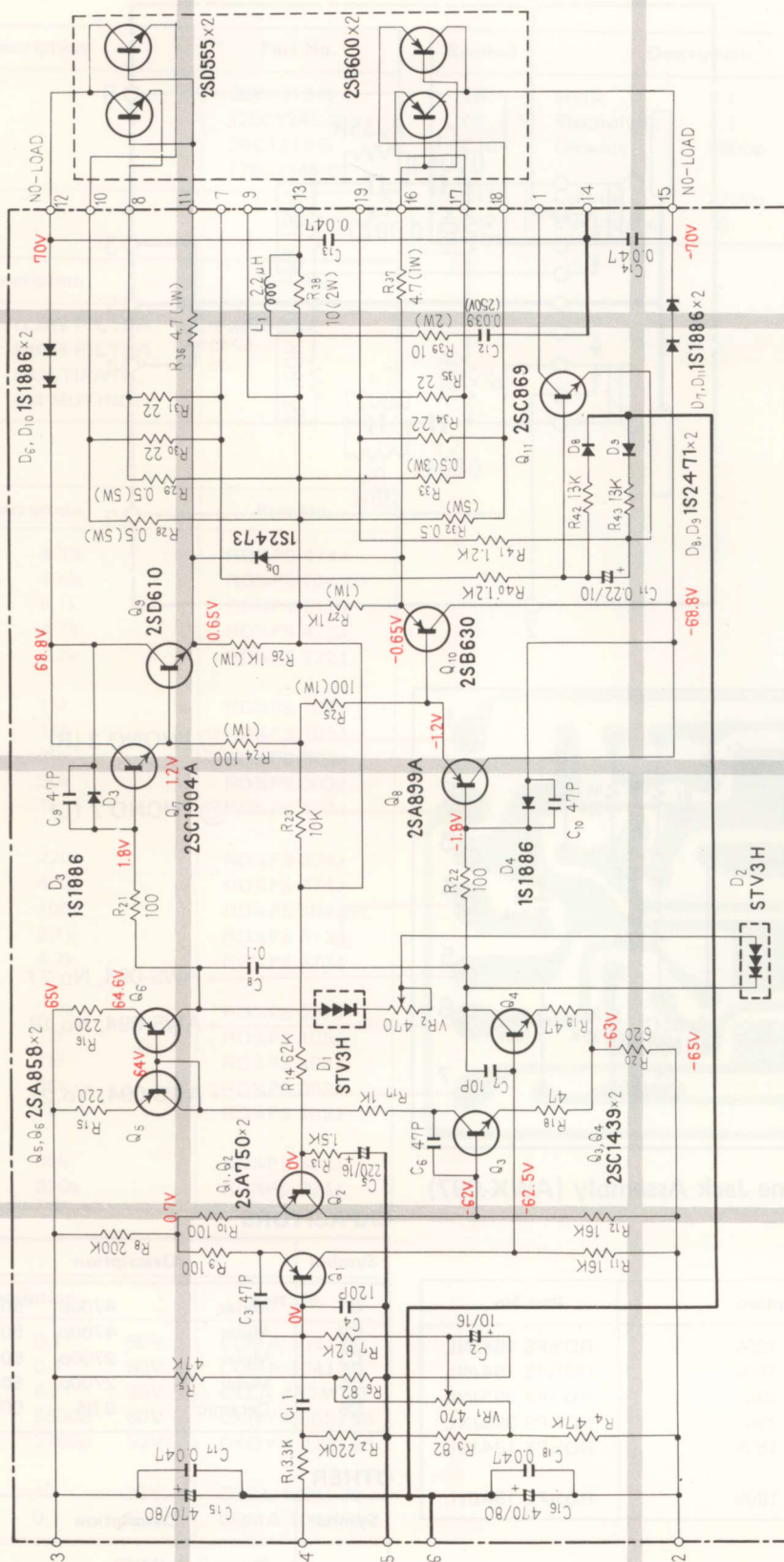
CAPACITORS

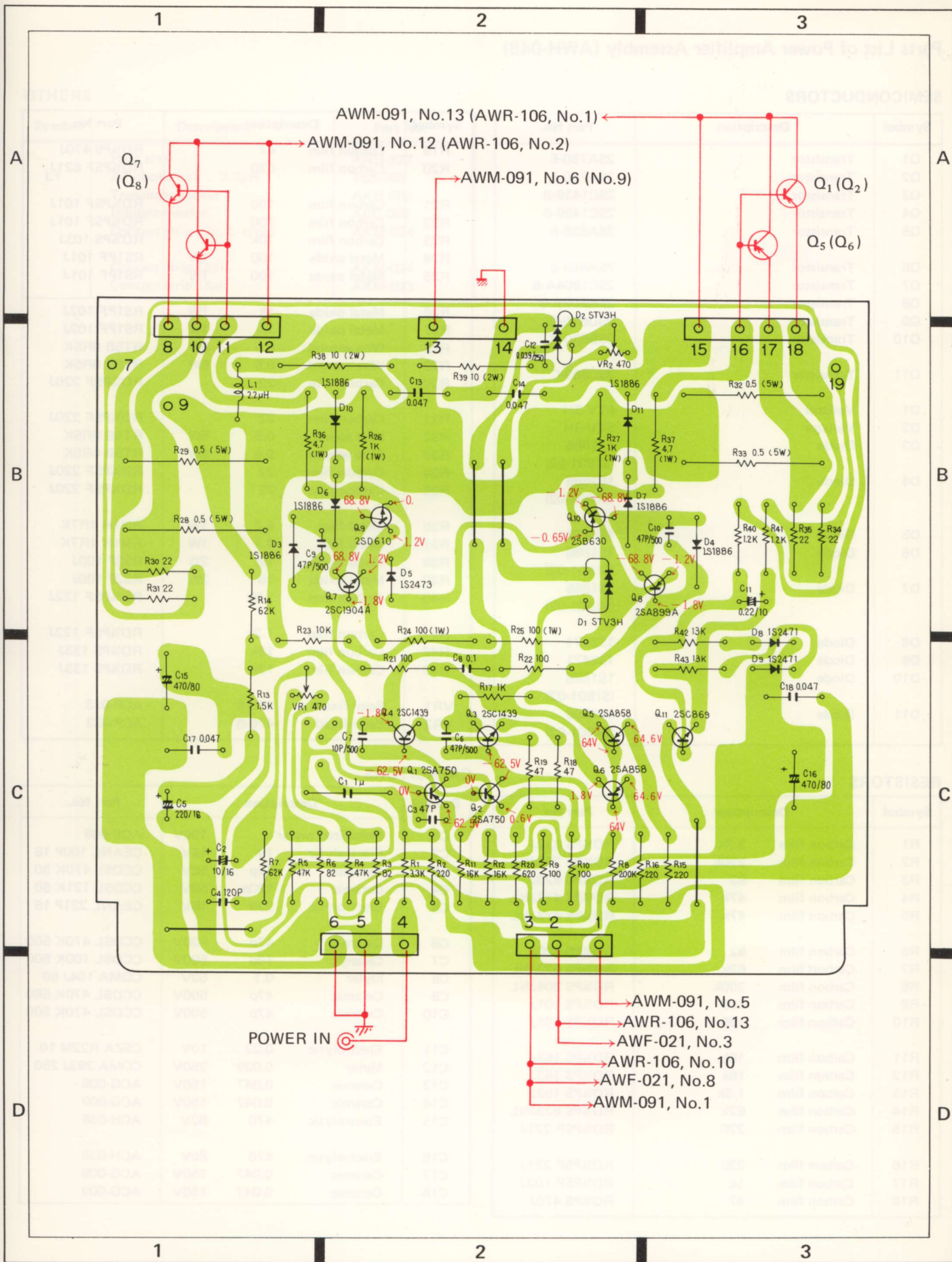
Symbol	Description	Part No.
C1	Mylar 4700p 50V	CQMA 472J 50
C2	Mylar 4700p 50V	CQMA 472J 50
C3	Mylar 2700p 50V	CQMA 272J 50
C4	Mylar 2700p 50V	CQMA 272J 50
C5	Ceramic 0.04 50V	CKDYF 403Z 50

OTHER

Symbol	Description	Part No.
	Phone jack (MIC)	AKN-013

12.14 POWER AMPLIFIER ASSEMBLY (AWH-048)





Parts List of Power Amplifier Assembly (AWH-048)

SEMICONDUCTORS

Symbol	Description	Part No.
Q1	Transistor	2SA750-E
Q2	Transistor	2SA750-E
Q3	Transistor	2SC1439-B
Q4	Transistor	2SC1439-B
Q5	Transistor	2SA858-B
Q6	Transistor	2SA858-B
Q7	Transistor	2SC1904A-B
Q8	Transistor	2SA899A-B
Q9	Transistor	2SD610-R
Q10	Transistor	2SB630-R
Q11	Transistor	2SC869-C
D1	Varistor	STV-3H
D2	Varistor	STV-3H
D3	Diode	1S1886 (S1B01-02)
D4	Diode	1S1886 (S1B01-02)
D5	Diode	1S2473
D6	Diode	1S1886 (S1B01-02)
D7	Diode	1S1886 (S1B01-02)
D8	Diode	1S2471
D9	Diode	1S2471
D10	Diode	1S1886 (S1B01-02)
D11	Diode	1S1886 (S1B01-02)

Symbol	Description	Part No.
R19	Carbon film 47	RD4PS 470J
R20	Carbon film 620	RD4PSF 621J
R21	Carbon film 100	RD4PSF 101J
R22	Carbon film 100	RD4PSF 101J
R23	Carbon film 10k	RD4PS 103J
R24	Metal oxide 100 1W	RS1PF 101J
R25	Metal oxide 100 1W	RS1PF 101J
R26	Metal oxide 1k 1W	RS1PF 102J
R27	Metal oxide 1k 1W	RS1PF 102J
R28	Wire wound 0.5 5W	RT5B 0R5K
R29	Wire wound 0.5 5W	RT5B 0R5K
R30	Carbon film 22	RD4PSF 220J
R31	Carbon film 22	RD4PSF 220J
R32	Wire sound 0.5 5W	RT5B 0R5K
R33	Wire wound 0.5 5W	RT5B 0R5K
R34	Carbon film 22	RD4PSF 220J
R35	Carbon film 22	RD4PSF 220J
R36	Metal film 4.7 1W	RN1H 4R7K
R37	Metal film 4.7 1W	RN1H 4R7K
R38	Metal oxide 10 2W	RS2P 100J
R39	Metal oxide 10 2W	RS2P 100J
R40	Carbon film 1.2k	RD4PSF 122J
R41	Carbon film 1.2k	RD4PSF 122J
R42	Carbon film 13k	RD4PS 133J
R43	Carbon film 13k	RD4PS 133J
VR1	Semi-fixed 470-B	ACP-033
VR2	Semi-fixed 470-B	ACP-033

RESISTORS

Symbol	Description	Part No.
R1	Carbon film 3.3k	RD4PS 332J
R2	Carbon film 220k	RD4PS 224JNL
R3	Carbon film 82	RD4PS 820J
R4	Carbon film 47k	RD4PS 473JNL
R5	Carbon film 47k	RD4PS 473JNL
R6	Carbon film 82	RD4PS 820J
R7	Carbon film 62k	RD4PS 623JNL
R8	Carbon film 200k	RD4PS 204JNL
R9	Carbon film 100	RD4PS 101J
R10	Carbon film 100	RD4PS 101J
R11	Carbon film 16k	RD4PS 163J
R12	Carbon film 16k	RD4PS 163J
R13	Carbon film 1.5k	RD4PS 152J
R14	Carbon film 62k	RD4PS 623JNL
R15	Carbon film 220	RD4PSF 221J
R16	Carbon film 220	RD4PSF 221J
R17	Carbon film 1k	RD4PSF 102J
R18	Carbon film 47	RD4PS 470J

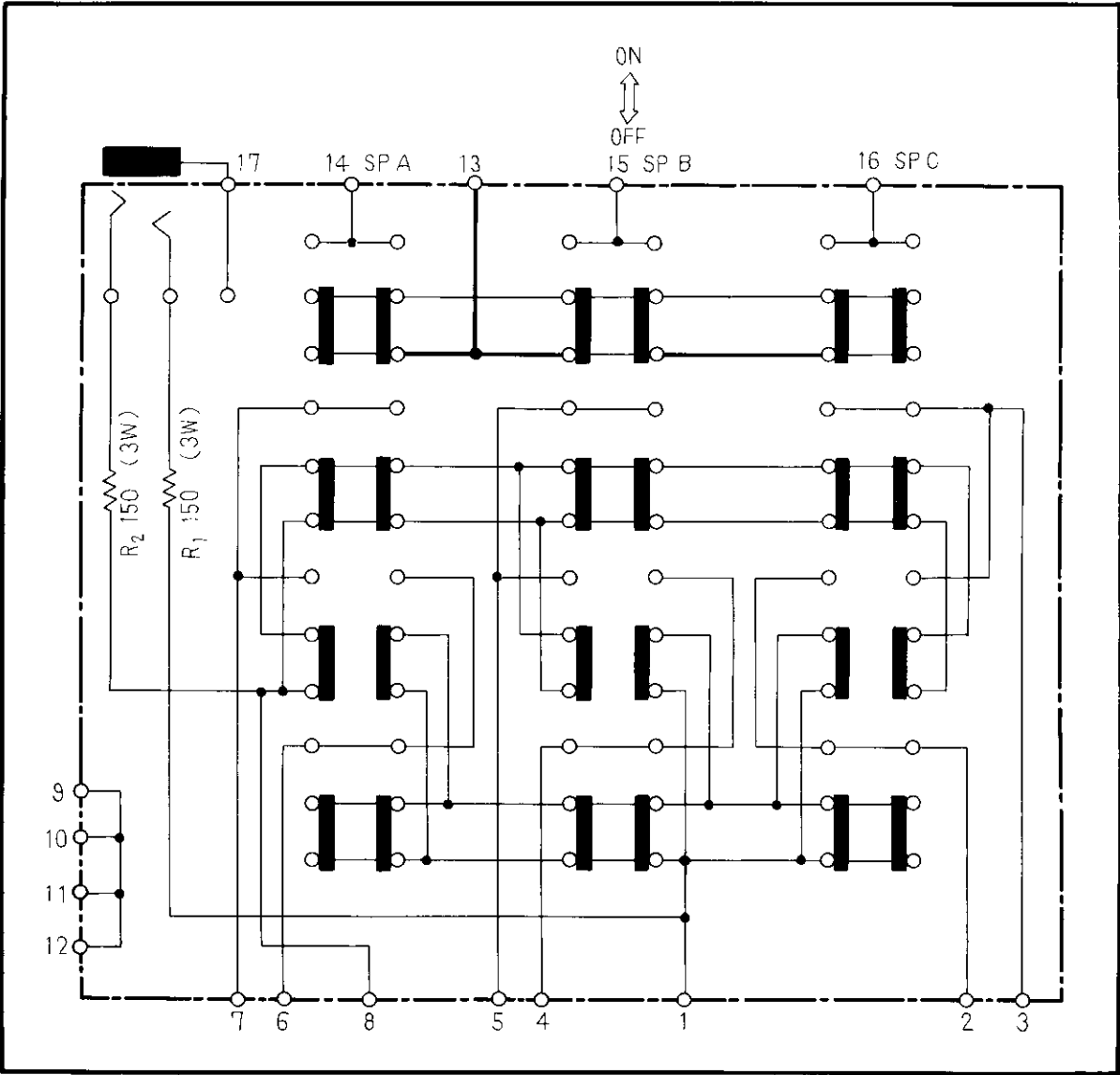
CAPACITORS

Symbol	Description	Part No.
C1	Metallized mylar 1 100V	ACE-008
C2	Electrolytic 10 16V	CEANL 100P 16
C3	Ceramic 47p 50V	CCDSL 470K 50
C4	Ceramic 120p 50V	CCDSL 121K 50
C5	Electrolytic 220 16V	CEANL 221P 16
C6	Ceramic 47p 500V	CCDSL 470K 500
C7	Ceramic 10p 500V	CCDSL 100K 500
C8	Mylar 0.1 50V	CQMA 104J 50
C9	Ceramic 47p 500V	CCDSL 470K 500
C10	Ceramic 47p 500V	CCDSL 470K 500
C11	Electrolytic 0.22 10V	CSZA R22M 10
C12	Mylar 0.039 250V	CQMA 393J 250
C13	Ceramic 0.047 150V	ACG-009
C14	Ceramic 0.047 150V	ACG-009
C15	Electrolytic 470 80V	ACH-038
C16	Electrolytic 470 80V	ACH-038
C17	Ceramic 0.047 150V	ACG-009
C18	Ceramic 0.047 150V	ACG-009

OTHERS

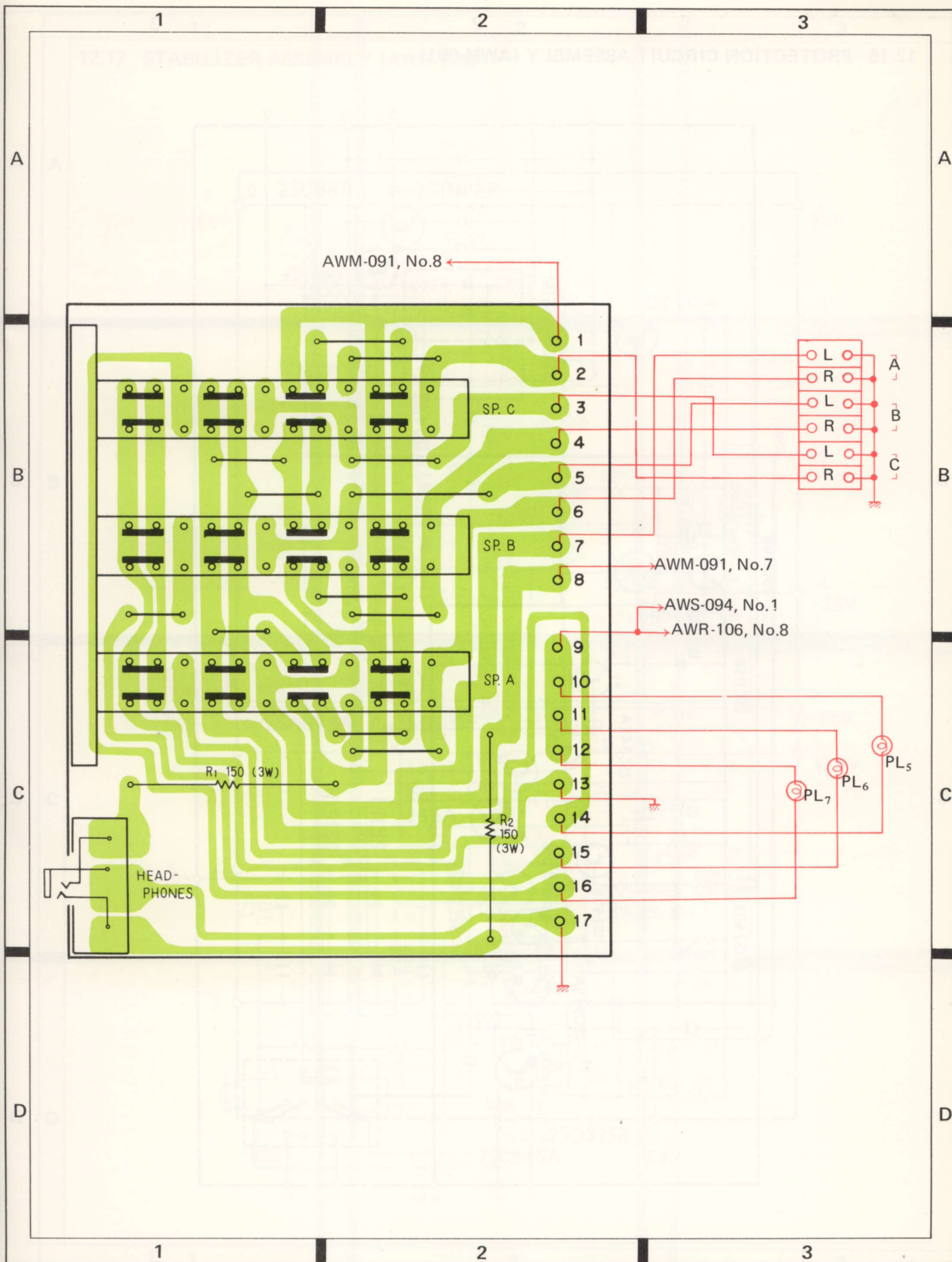
Symbol	Description	Part No.
L1	Heat sink	ANH-237
	AF choke coil 2.2 μ H	T63-009
	Transistor socket	AKH-002
	Insulator wafer	AEC-088
	Contact strip (3p, L-type)	AKM-024
	Contact strip (4p)	AKM-034
	Contact strip (3p)	AKM-033

12.15 SPEAKERS SWITCH ASSEMBLY (AWS-095)

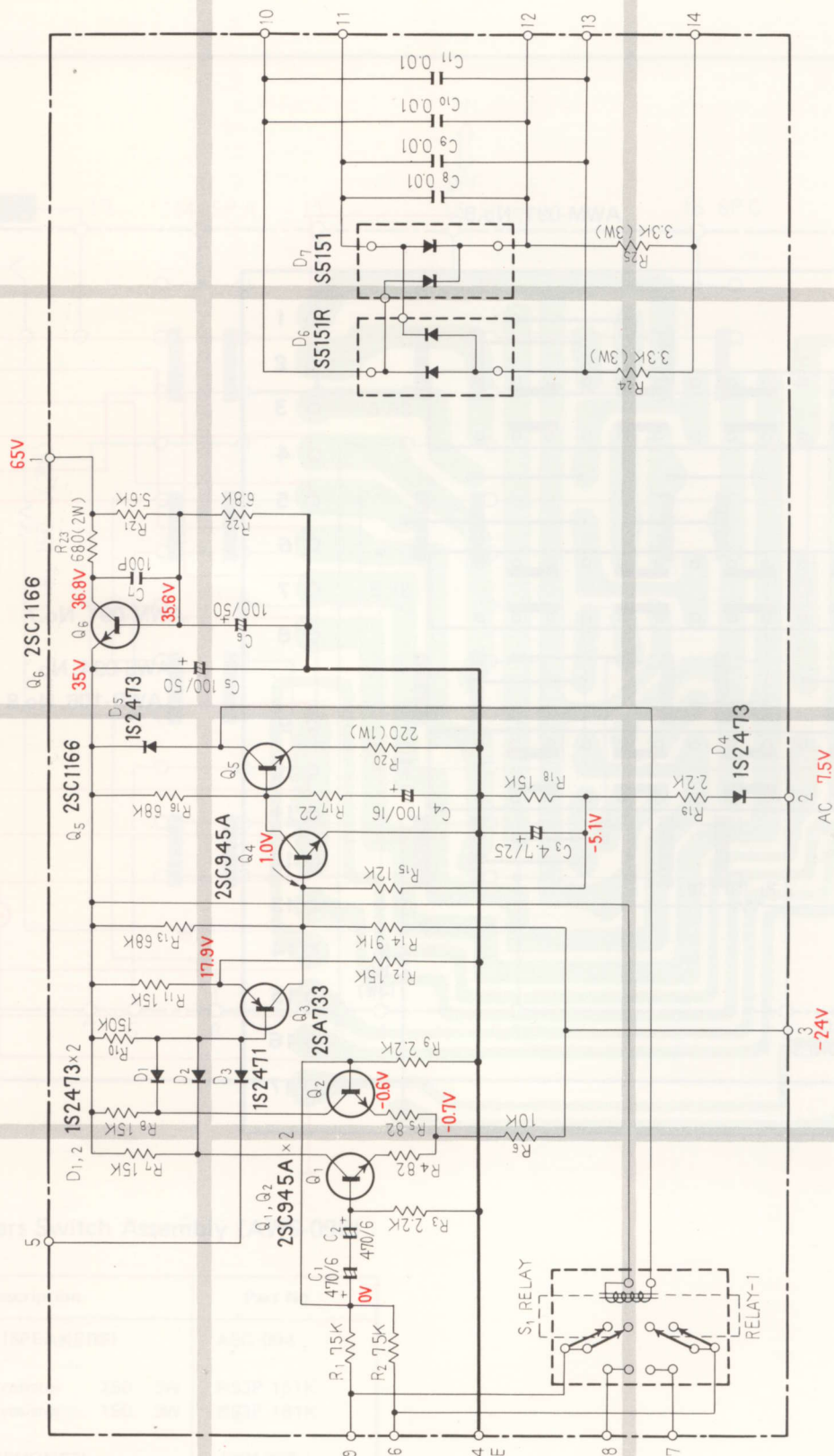


Parts List of Speakers Switch Assembly (AWS-095)

Symbol	Description	Part No.
S1	Push switch (SPEAKERS)	ASG-094
R1	Metal oxide resistor 150 3W	RS3P 151K
R2	Metal oxide resistor 150 3W	RS3P 151K
J1	Phone jack (PHONES)	AKN-010



12.16 PROTECTION CIRCUIT ASSEMBLY (AWM-091)



Parts List of Protection Circuit Assembly (AWM-091)
SEMICONDUCTORS

Symbol	Description	Part No.
Q1	Transistor	2SC945A-Q
Q2	Transistor	(2SC1647-P)
Q3	Transistor	2SC945A-Q
Q4	Transistor	(2SC1647-P)
Q5	Transistor	2SA733-Q
Q6	Transistor	2SC945A-Q
Q7	Transistor	(2SC1647-P)
Q8	Transistor	2SC1166-Y
Q9	Transistor	(2SC1384-Q)
Q10	Transistor	2SC1166-Y
Q11	Transistor	(2SC1384-Q)
D1	Diode	1S2473
D2	Diode	1S2473
D3	Diode	1S2471
D4	Diode	1S2473
D5	Diode	1S2473
D6	Diode	S5151R
D7	Diode	S5151

CAPACITORS

Symbol	Description	Part No.
C1	Electrolytic 470 6V	CEA 471P 6
C2	Electrolytic 470 6V	CEA 471P 6
C3	Electrolytic 4.7 25V	CEA 4R7P 25
C4	Electrolytic 100 16V	CEA 101P 16
C5	Electrolytic 100 50V	CEA 101P 50
C6	Electrolytic 100 50V	CEA 101P 50
C7	Ceramic 100p 50V	CCDSL 101K 50
C8	Ceramic 0.01 150V	ACG-004
C9	Ceramic 0.01 150V	ACG-004
C10	Ceramic 0.01 150V	ACG-004
C11	Ceramic 0.01 150V	ACG-004

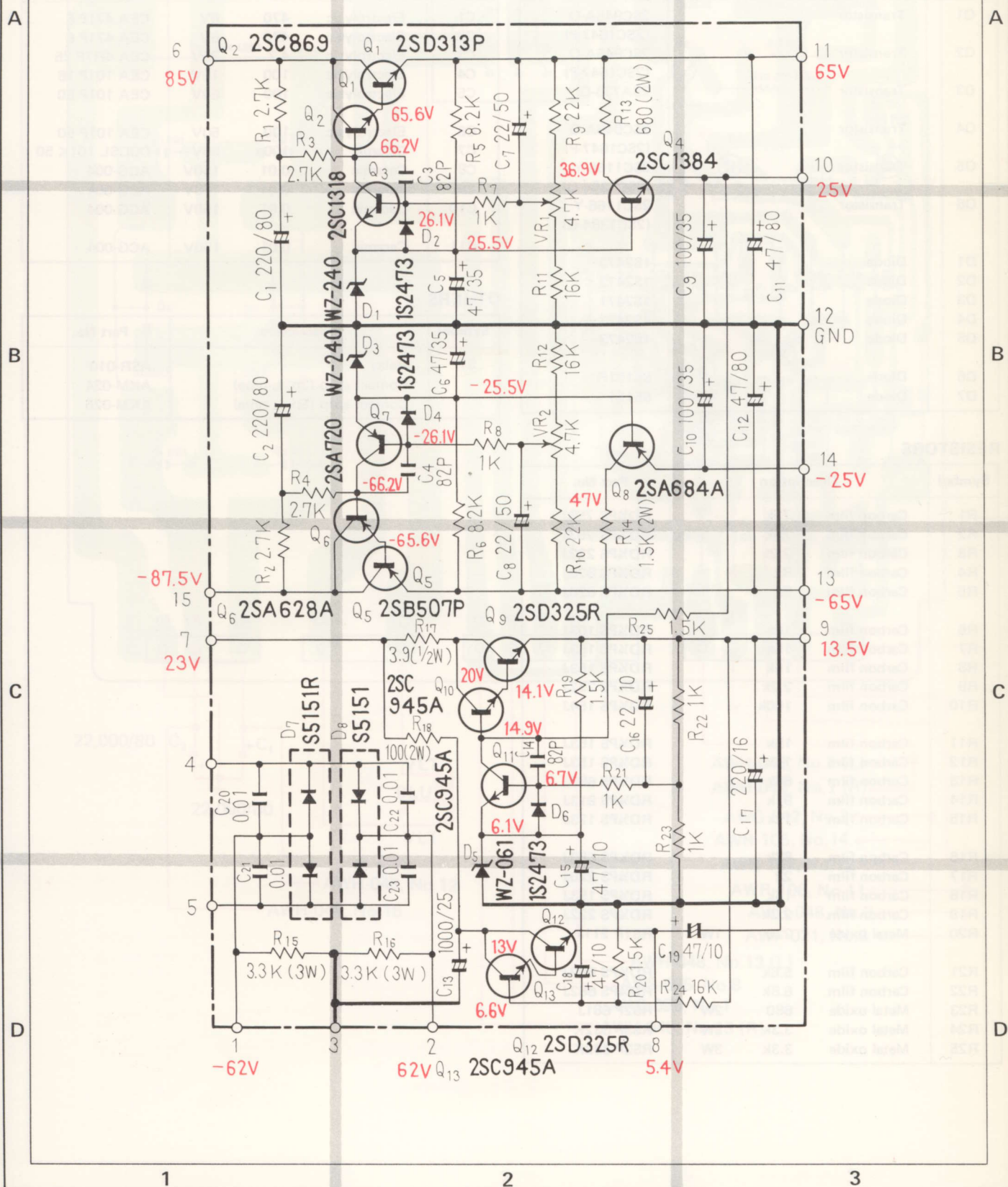
OTHERS

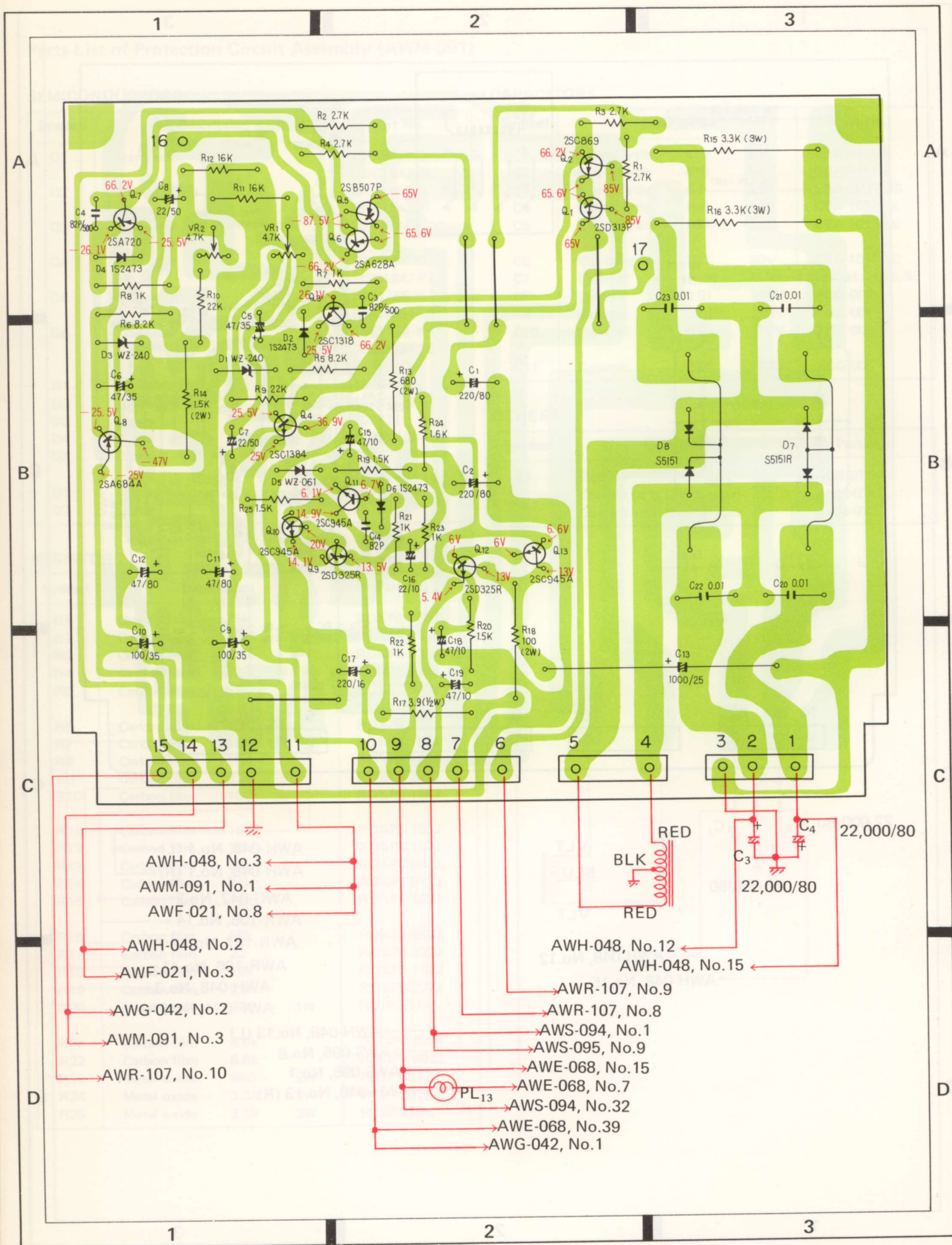
Symbol	Description	Part No.
S1	Relay	ASR-010
	Contact strip (3p, L-type)	AKM-024
	Contact strip (5p, L-type)	AKM-025

RESISTORS

Symbol	Description	Part No.
R1	Carbon film 75k	RD%PS 753J
R2	Carbon film 75k	RD%PS 753J
R3	Carbon film 2.2k	RD%PS 222J
R4	Carbon film 82	RD%PS 820J
R5	Carbon film 82	RD%PS 820J
R6	Carbon film 10k	RD%PS 103J
R7	Carbon film 15k	RD%PS 153J
R8	Carbon film 15k	RD%PS 153J
R9	Carbon film 2.2k	RD%PS 222J
R10	Carbon film 150k	RD%PS 154J
R11	Carbon film 15k	RD%PS 153J
R12	Carbon film 15k	RD%PS 153J
R13	Carbon film 68k	RD%PS 683J
R14	Carbon film 91k	RD%PS 913J
R15	Carbon film 12k	RD%PS 123J
R16	Carbon film 68k	RD%PS 683J
R17	Carbon film 22	RD%PS 220J
R18	Carbon film 15k	RD%PS 153J
R19	Carbon film 2.2k	RD%PS 222J
R20	Metal oxide 220 1W	RS1P 211J
R21	Carbon film 5.6k	RD%PS 562J
R22	Carbon film 6.8k	RD%PS 682J
R23	Metal oxide 680 2W	RS2P 681J
R24	Metal oxide 3.3k 3W	RS3P 332K
R25	Metal oxide 3.3k 3W	RS3P 332K

12.17 STABILIZER ASSEMBLY (AWR-106)





Parts List of Stabilizer Assembly (AWR-106)
SEMICONDUCTORS

Symbol	Description	Part No.
Q1	Transistor	2SD313P-E
Q2	Transistor	2SC869-D
Q3	Transistor	2SC1318-R
Q4	Transistor	2SC1384-R
Q5	Transistor	2SB507P-E
Q6	Transistor	2SA628A-D
Q7	Transistor	2SA720-R
Q8	Transistor	2SA684A-R
Q9	Transistor	2SD325R-E
Q10	Transistor	2SC945A-R
Q11	Transistor	2SC945A-R
Q12	Transistor	2SD325R-E
Q13	Transistor	2SC945A-R
D1	Zener diode	WZ-240
D2	Diode	1S2473
D3	Zener diode	WZ-240
D4	Diode	1S2473
D5	Zener diode	WZ-061
D6	Diode	1S2473
D7	Diode	S5151R
D8	Diode	S5151

RESISTORS

Symbol	Description	Part No.
R1	Carbon film 2.7k	RD%PSF 272J
R2	Carbon film 2.7k	RD%PSF 272J
R3	Carbon film 2.7k	RD%PS 272J
R4	Carbon film 2.7k	RD%PS 272J
R5	Carbon film 8.2k	RD%PS 822J
R6	Carbon film 8.2k	RD%PS 822J
R7	Carbon film 1k	RD%PS 102J
R8	Carbon film 1k	RD%PS 102J
R9	Carbon film 22k	RD%PS 223J
R10	Carbon film 22k	RD%PS 223J
R11	Carbon film 16k	RD%PS 163J
R12	Carbon film 16k	RD%PS 163J
R13	Metal oxide 680 2W	RS2P 681K
R14	Metal oxide 1.5k 2W	RS2P 152K
R15	Metal oxide 3.3k 3W	RS3P 332K
R16	Metal oxide 3.3k 3W	RS3P 332K
R17	Carbon film 3.9 ½W	RD%PSF 3R9J
R18	Metal oxide 100 2W	RS2P 101K
R19	Carbon film 1.5k	RD%PS 152J
R20	Carbon film 1.5k	RD%PS 152J
R21	Carbon film 1k	RD%PS 102J
R22	Carbon film 1k	RD%PS 102J
R23	Carbon film 1k	RD%PS 102J

Symbol	Description	Part No.
R24	Carbon film 1.6k	RD%PS 162J
R25	Carbon film 1.5k	RD%PS 152J
VR1	Semi-fixed 4.7k-B	ACP-034
VR2	Semi-fixed 4.7k-B	ACP-034

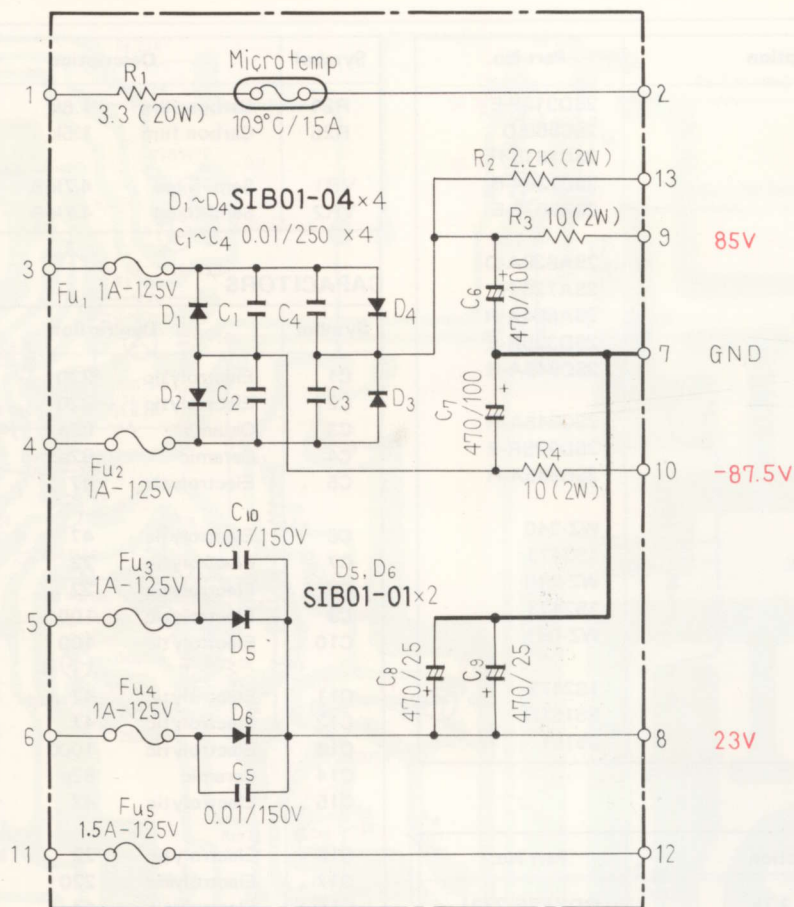
CAPACITORS

Symbol	Description	Part No.
C1	Electrolytic 220 80V	CEA 221P 80
C2	Electrolytic 220 80V	CEA 221P 80
C3	Ceramic 82p 500V	CCDSL 820K 500
C4	Ceramic 82p 500V	CCDSL 820K 500
C5	Electrolytic 47 35V	CEA 470P 35
C6	Electrolytic 47 35V	CEA 470P 35
C7	Electrolytic 22 50V	CEA 220P 50
C8	Electrolytic 22 50V	CEA 220P 50
C9	Electrolytic 100 35V	CEA 101P 35
C10	Electrolytic 100 35V	CEA 101P 35
C11	Electrolytic 47 80V	CEA 470P 80
C12	Electrolytic 47 80V	CEA 470P 80
C13	Electrolytic 1000 25V	CEB 102P 25
C14	Ceramic 82p 50V	CCDSL 820K 50
C15	Electrolytic 47 10V	CEA 470P 10
C16	Electrolytic 22 10V	CEA 220P 10
C17	Electrolytic 220 16V	CEA 221P 16
C18	Electrolytic 47 10V	CEA 470P 10
C19	Electrolytic 47 10V	CEA 470P 10
C20	Ceramic 0.01 150V	ACG-004
C21	Ceramic 0.01 150V	ACG-004
C22	Ceramic 0.01 150V	ACG-004
C23	Ceramic 0.01 150V	ACG-004

OTHERS

Symbol	Description	Part No.
	Heat sink	ANH-237
	Heat sink	ANH-300
	Transistor socket	AKH-002
	Insulator wafer	ACE-088
	Contact strip (3p, L-type)	AKM-024
	Contact strip (5p, L-type)	AKM-025

12.18 POWER SUPPLY ASSEMBLY (AWR-107)



Parts List of Power Supply Assembly (AWR-107)

SEMICONDUCTORS

Symbol	Description	Part No.
D1	Diode	SIB01-04
D2	Diode	SIB01-04
D3	Diode	SIB01-04
D4	Diode	SIB01-04
D5	Diode	SIB01-01 (1S1885)
D6	Diode	SIB01-01 (1S1885)

RESISTORS

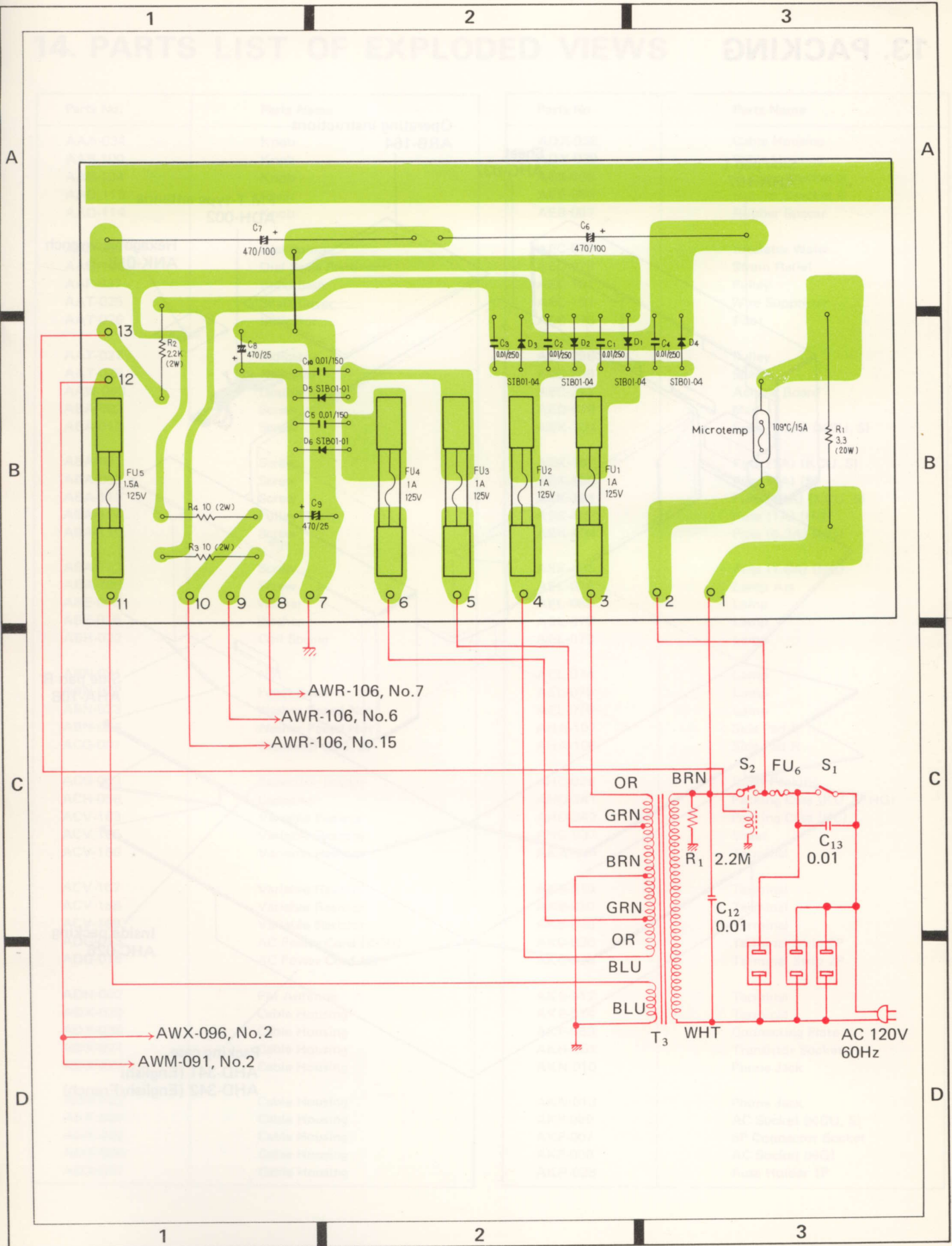
Symbol	Description	Part No.
R1	Wire wound 3.3 20W	ACN-003
R2	Metal oxide 2.2K 2W	RS2P 222J
R3	Metal oxide 10 2W	RS2P 100K
R4	Metal oxide 10 2W	RS2P 100K

CAPACITORS

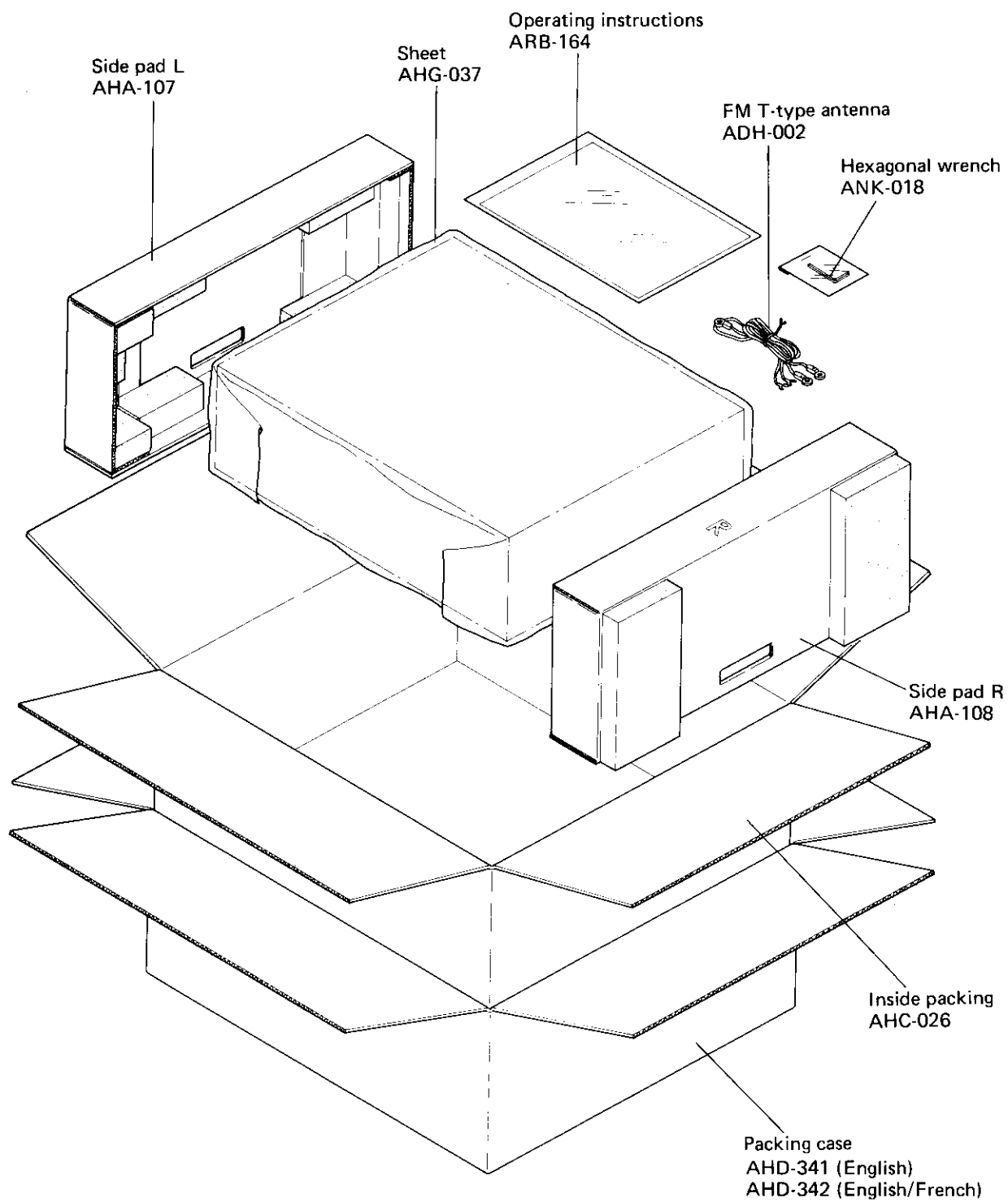
Symbol	Description	Part No.
C1	Ceramic 0.01 250V	ACG-001
C2	Ceramic 0.01 250V	ACG-001
C3	Ceramic 0.01 250V	ACG-001
C4	Ceramic 0.01 250V	ACG-001
C5	Ceramic 0.01 150V	ACG-004
C6	Electrolytic 470 100V	CEB 471P 100
C7	Electrolytic 470 100V	CEB 471P 100
C8	Electrolytic 470 25V	CEA 471P 25
C9	Electrolytic 470 25V	CEA 471P 25
C10	Ceramic 0.01 150V	ACG-004

OTHERS

Symbol	Description	Part No.
	Fuse clip	AKR-013
	Fuse clip	AKR-030
	MICROTEMP	AEX-005



13. PACKING



14. PARTS LIST OF EXPLODED VIEWS

Parts No.	Parts Name	Parts No.	Parts Name
AAA-034	Knob	ADX-038	Cable Housing
AAB-100	Knob	ADX-039	Cable Housing
AAB-104	Knob	AEB-085	Rubber Bracket A
AAD-113	Knob	AEB-086	Rubber Bracket B
AAD-114	Knob	AEB-087	Rubber Spacer
AAF-051	Dial Pointer	AEC-076	Insulator Wafer
AAG-106	Dial Scale Plate	AEC-079	Strain Relief
AAP-037	Blind Sash	AEC-101	Pulley
AAT-025	Shaft Cover	AEC-151	Wire Supporter
AAT-026	Indicator	AEC-178	Foot
AAT-027	Indicator	AEC-256	Pulley
AAT-028	Indicator	AEC-258	Spacer
AAW-040	Double Meter	AEC-272	Acrylic Board
ABA-002	Screw	AED-018	Mask
ABA-012	Screw	AEK-104	Fuse (1.5A) (KCU, S)
ABA-081	Screw	AEK-106	Fuse (1A) (KCU, S)
ABA-087	Screw	AEK-109	Fuse (6A) (S)
ABA-113	Screw	AEK-301	Fuse (12A) (KCU, S)
ABA-114	Pulley Shaft	AEK-402	Fuse (1A) (HG)
ABA-116	Screw	AEK-404	Fuse (6.3A) (HG)
ABA-123	Screw	AEK-405	Fuse (1.6A) (HG)
ABA-129	Screw	AEL-056	Lamp Ass
ABE-006	Washer	AEL-069	Lamp
ABE-018	Washer	AEL-072	Lamp
ABH-022	Coil Spring	AEL-073	Lamp
ABN-021	Nut	AEL-074	Lamp
ABN-022	Panel Base	AEL-075	Lamp
ABN-023	Washer Faced Nut	AEL-076	Lamp
ABN-024	Washer Faced Nut	AHA-107	Side Pad L
ACG-001	Capacitor (HG, S)	AHA-108	Side Pad R
ACG-003	Capacitor (KCU)	AHC-026	Inner Packing
ACH-056	Capacitor	AHD-341	Packing Case (KU, S, HG)
ACV-163	Variable Resistor	AHD-342	Packing Case (KC)
ACV-165	Variable Resistor	AHG-037	Sheet
ACV-166	Variable Resistor	AKA-004	Terminal
ACV-167	Variable Resistor	AKB-019	Terminal
ACV-168	Variable Resistor	AKB-030	Terminal
ACV-169	Variable Resistor	AKB-033	Terminal
ADG-013	AC Power Cord (KCU)	AKC-030	Terminal Strip 2P
ADG-015	AC Power Cord (S)	AKC-038	Terminal Strip 2P
ADH-002	FM Antenna	AKE-012	Terminal
ADX-029	Cable Housing	AKE-014	Terminal
ADX-030	Cable Housing	AKF-053	Connecting Plate
ADX-031	Cable Housing	AKH-001	Transistor Socket
ADX-032	Cable Housing	AKN-010	Phone Jack
ADX-033	Cable Housing	AKN-013	Phone Jack
ADX-034	Cable Housing	AKP-005	AC Socket (KCU, S)
ADX-035	Cable Housing	AKP-007	5P Connector Socket
ADX-036	Cable Housing	AKP-008	AC Socket (HG)
ADX-037	Cable Housing	AKR-028	Fuse Holder 1P

Parts No.	Parts Name
AKR-031	Plug in Selector
AKX-031	Plug in Selector
AMM-049	Wooden Cover
ANB-386	Front Panel Ass
ANE-105	Top Panel
ANK-018	Hexagonal Wrench
ARB-164	Operating Instruction
ARB-168	Operating Instruction
ARB-171	Operating Instruction
ARD-089	Operating Instruction
ASG-094	Push Switch
ASG-095	Push Switch
ASG-098	Push Switch
ASH-015	Slide Switch
ASK-080	Power Switch (KCU)
ASK-084	Lever Switch
ASK-090	Lever Switch
ASK-092	Lever Switch
ASK-099	Power Switch (S)
ASK-105	Power Switch (HG)
ASR-015	Relay
ATB-051	Ferrite Bar Antenna
ATT-267	Power Trans (KCU)
ATT-291	Power Trans (S)
ATT-295	Power Trans (HF)
AWB-023	FM Front End
AWE-068	Tuner Ass
AWF-021	EQ Amp Ass
AWG-041	Control Amp Ass
AWG-042	Flat Amp Ass
AWH-048	Power Amp Ass
AWM-089	Filter Amp Ass
AWM-091	Protection Ass
AWR-106	Stabilizer Ass
AWR-107	Power Supply Ass
AWR-108	Power Supply Ass
AWS-094	Function Switch Ass
AWS-095	Speaker Switch Ass
AWS-098	Speaker Switch Ass
AWX-062	5P Connector Ass
AWX-096	Lamp Board Ass
AWX-097	Mic Jack Ass
AWX-099	Switch Ass (KCU)
AWX-100	Switch Ass (S)
AXA-070	Tuning Drum Ass
AXA-111	Tuning Shaft Ass
B71-004	Nut
B71-010	Nut
M45-086	Washer
T22-025	Ferrite Balun

Parts No.	Parts Name
W72-092	Bar Antenna Holder
2SD555-R	Transistor
2SB600R	Transistor

15. SUPPLEMENTS FOR SX-1250/HG AND SX-1250/S

For servicing of the SX-1250/HG or S please refer to pp.4-100, with the exception of the power supply section and the de-emphasis selector which are described in this supplement.

15.1 CONTRAST OF MISCELLANEOUS-PARTS

FUSES

Symbol	Amp	Part No.			Remarks
		KCU type	HG type	S type	
FU1-4	1A	AEK-106	AEK-402	AEK-106	Secondary
FU5	1.5A 1.6A	AEK-104	 AEK-405	AEK-104	Lamp circuits
FU6	12A 6.3A 6A	AEK-301	 AEK-404	AEK-301 AEK-109	Primary voltage : 110V, 120V Primary voltage : 220V, 240V Primary voltage : 220V, 240V

SWITCHES

Symbol	Part Name	Part No.			Remarks
		KCU type	HG type	S type	
S1	Lever switch	ASK-080	ASK-105	ASK-099	POWER
S3	Plug in selector (Line voltage selector)	..... .....	AKX-037	 AKR-031	2-position 4-position with fuse holder

TRANSFORMER

Symbol	Part Name	Part No.			Remarks
		KCU type	HG type	S type	
T3	Power Transformer	ATT-267	ATT-295	ATT-291	

RESISTOR

Symbol	Part Name	Part No.			Remarks
		KCU type	HG type	S type	
R1	Carbon film 2.2M 1/2W	RD1/2PS 225J	.....	.....	

CAPACITORS

Symbol	Part Name	Part No.			Remarks
		KCU type	HG type	S type	
C12	Ceramic 0.01 150V	ACG-003	.....	.....	DC1.4kV
	Ceramic 0.01 250V	.....	ACG-001	ACG-001	
C13	Ceramic 0.01 150V	ACG-003	.....	.....	DC1.4kV
	Ceramic 0.01 250V	.....	.....	ACG-001	
C15	Polystyrene 510p 50V	.....	CQSA511J50	.....	
C16	Polystyrene 510p 50V	.....	CQSA511J50	.....	
C17	Ceramic 56p 50V	.....	CCDSL560K50	.....	

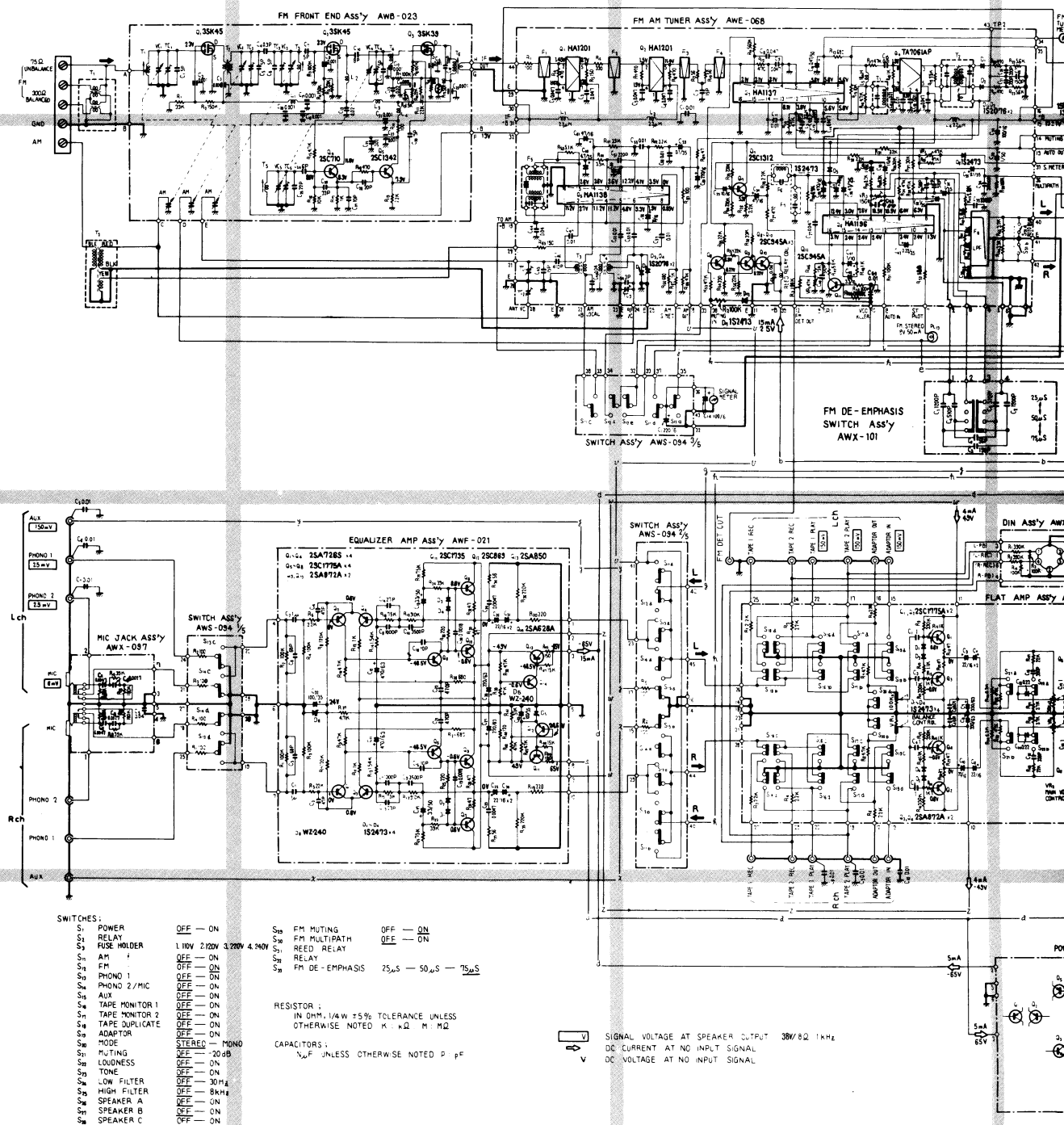
P.C. BOARD ASSEMBLIES

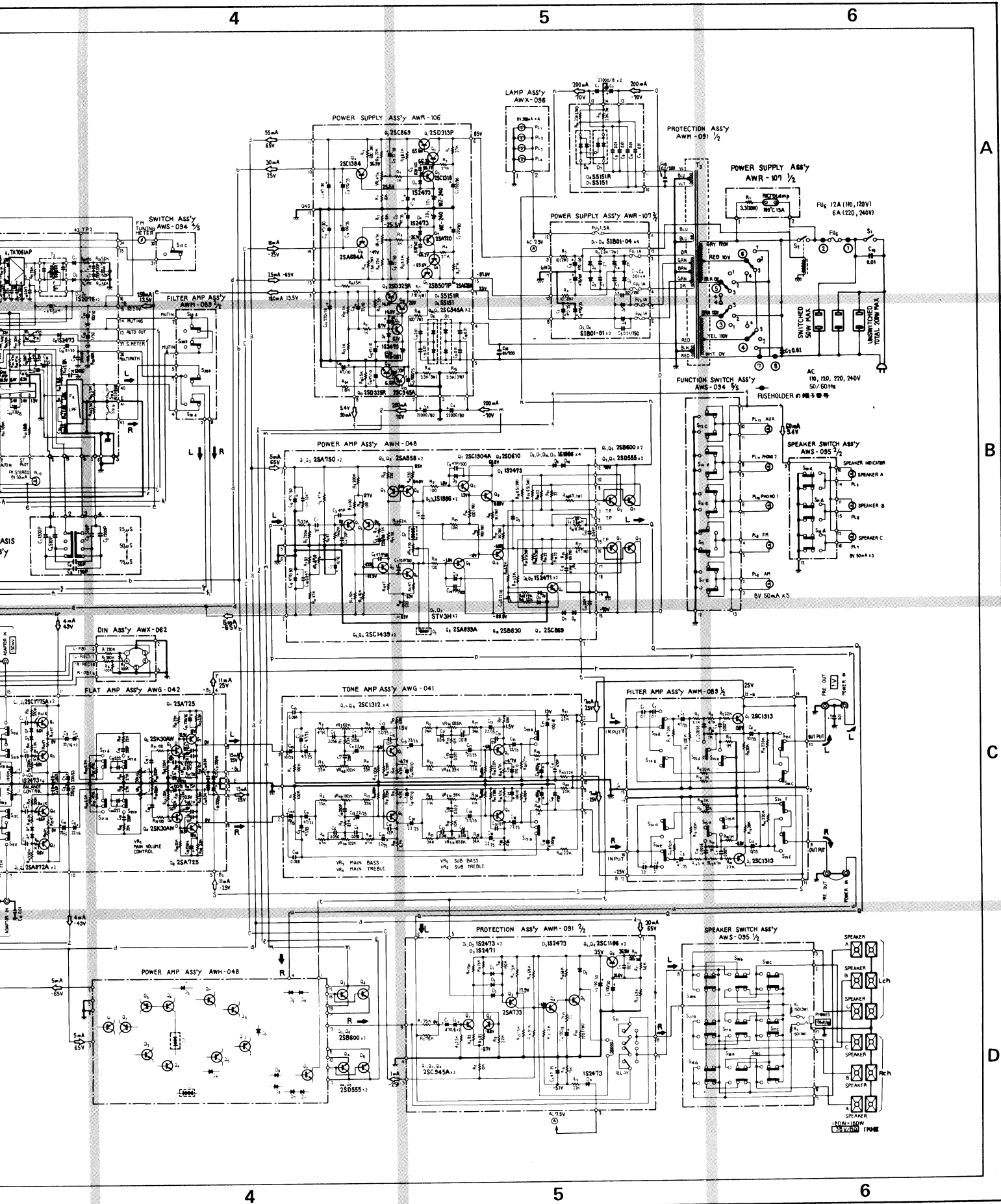
Part Name	Part No.			Remarks
	KCU type	HG type	S type	
De-emphasis switch assembly	AWX-099	.....	.....	2-position (25 μ s/75 μ s)
	.....	.....	AWX-101	3-position (25 μ s/50 μ s/75 μ s)
Power supply assembly	AWR-107	AWR-108	AWR-107	
Speakers switch assembly	AWS-095	AWS-098	AWS-095	

OTHERS

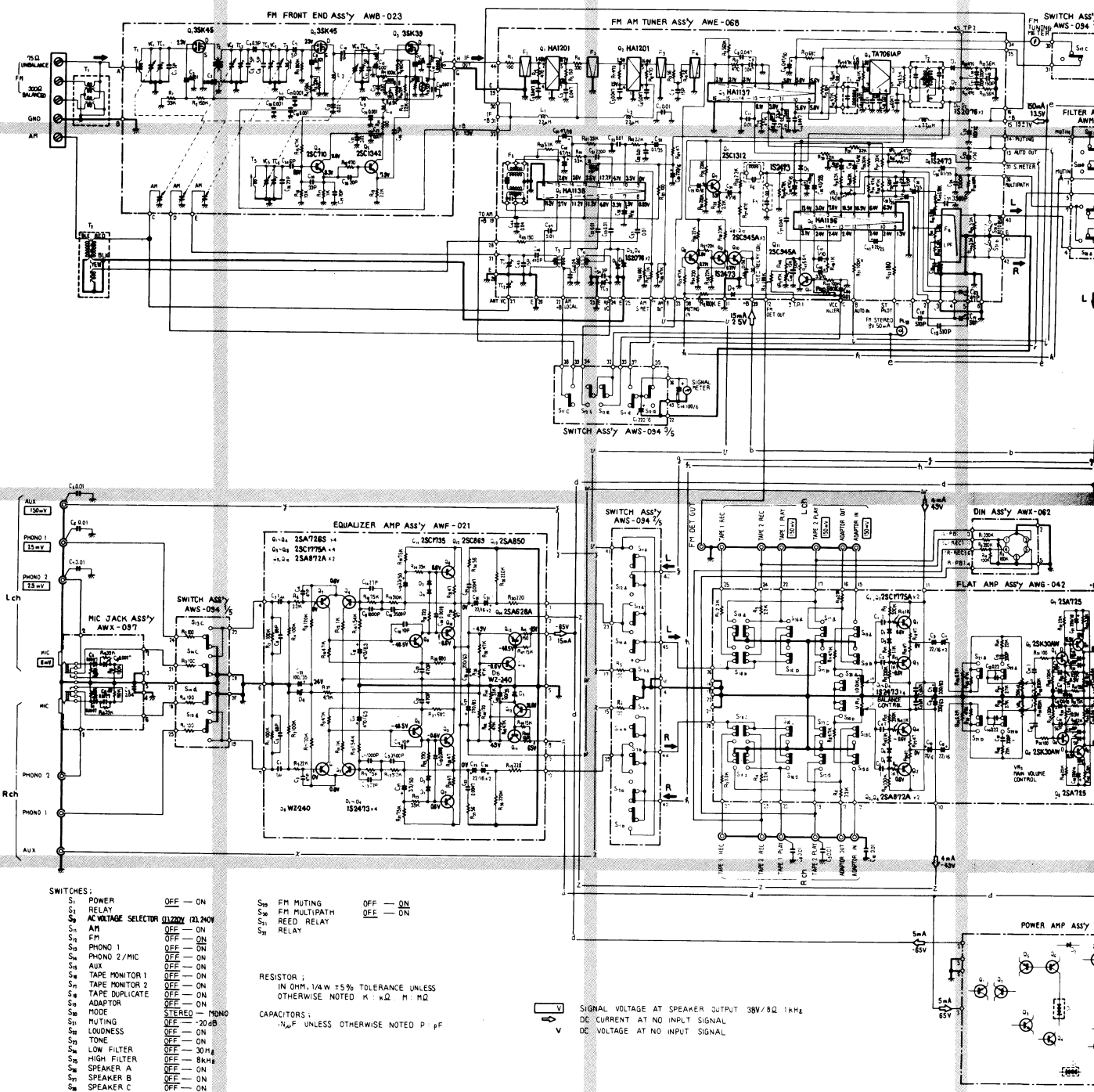
Part Name	Part No.			Remarks
	KCU type	HG type	S type	
AC power cord	ADG-013	.....	ADG-015	
AC socket (OUTLET) AC socket (INLET)	AKP-005	 AKP-008	AKP-005	
Operating instructions	ARB-164	ARB-171 ARD-089	ARB-168	English German/French

15.2 SCHEMATIC DIAGRAM FOR SX-1250/S



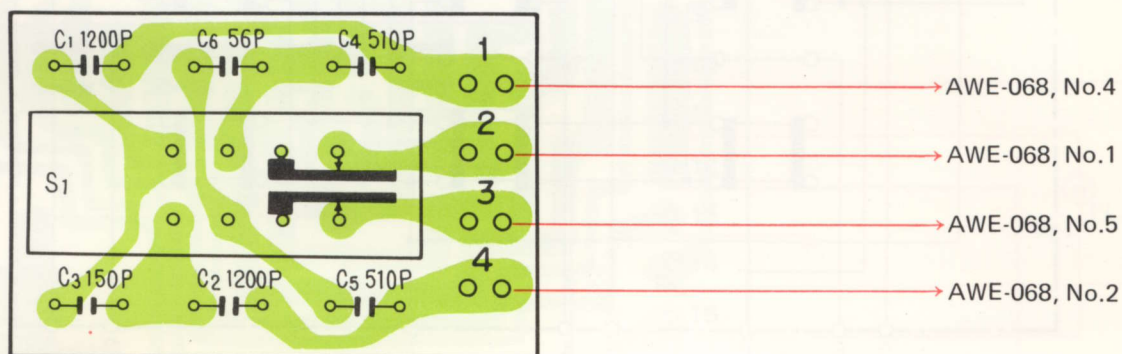
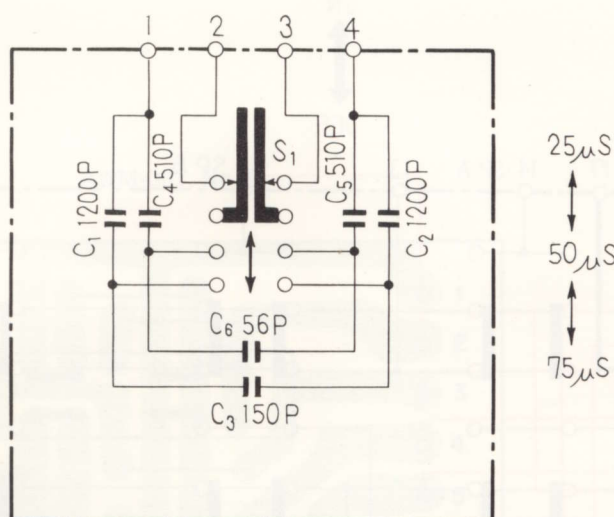


15.3 SCHEMATIC DIAGRAM FOR SX-1250/HG





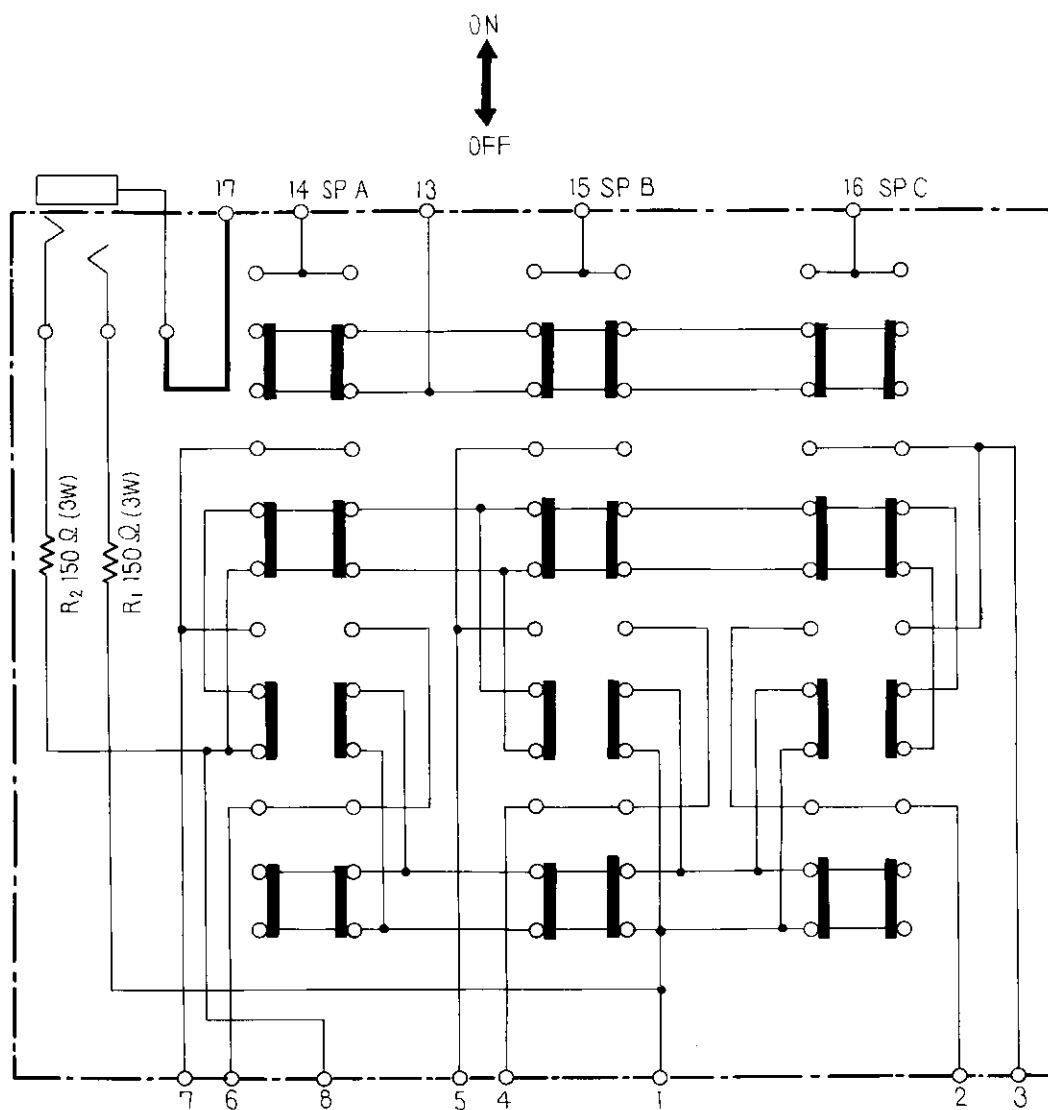
15.4 DE-EMPHASIS SWITCH ASSEMBLY (AWX-101, for S type)



Parts List of De-emphasis Switch Assembly (AWX-101, for S type)

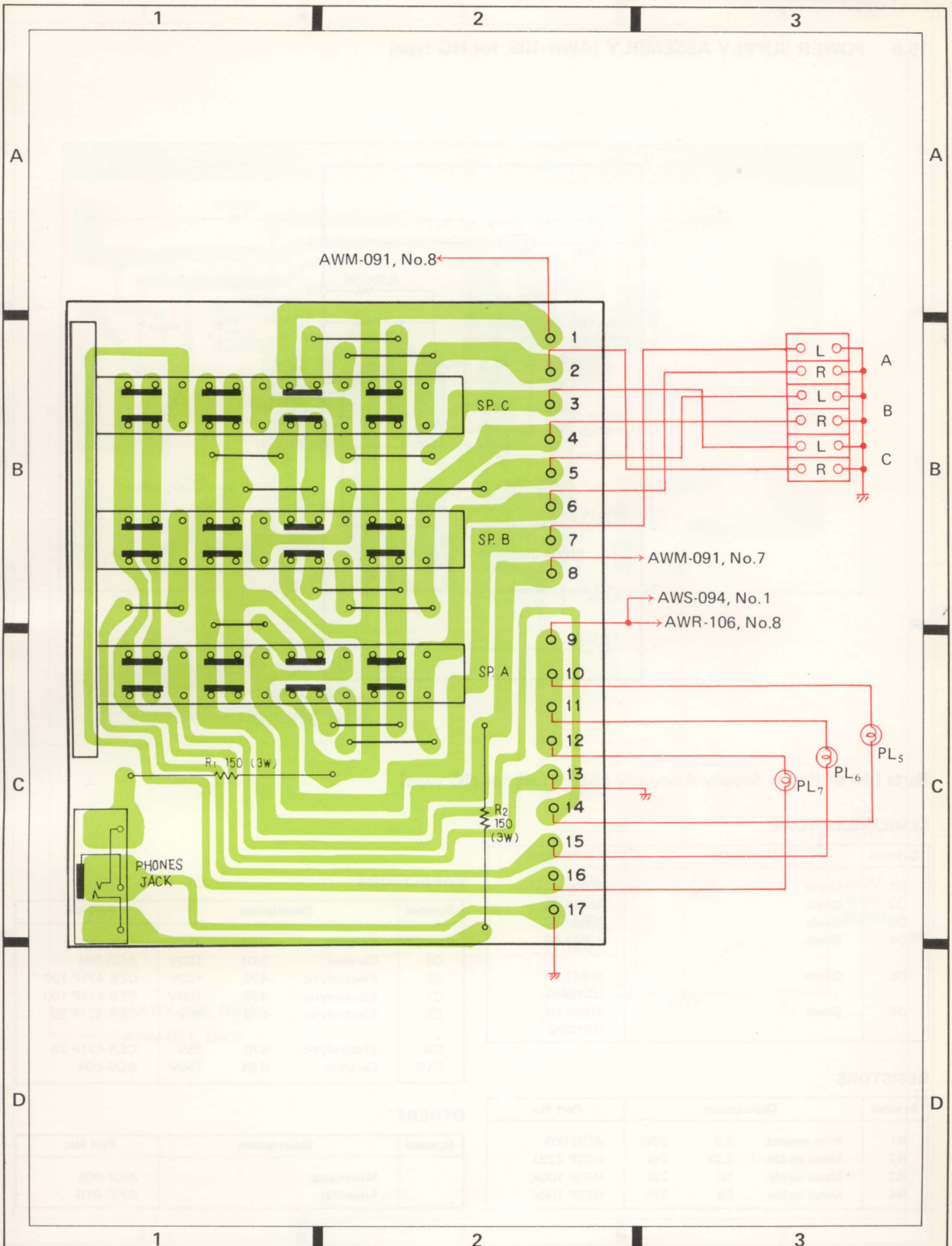
Symbol	Description			Part No.
S1	Slide switch (DE-EMPHASIS)			ASH-017
C1	Ceramic	1200p	50V	CKDYA 122J 50
C2	Ceramic	1200p	50V	CKDYA 122J 50
C3	Ceramic	150p	50V	CCDSL 151K 50
C4	Polystyrene	510p	50V	CQSA 511J 50
C5	Polystyrene	510p	50V	CQSA 511J 50
C6	Ceramic	56p	50V	CCDSL 560K 50

15.5 SPEAKERS SWITCH ASSEMBLY (AWS-098, for HG type)

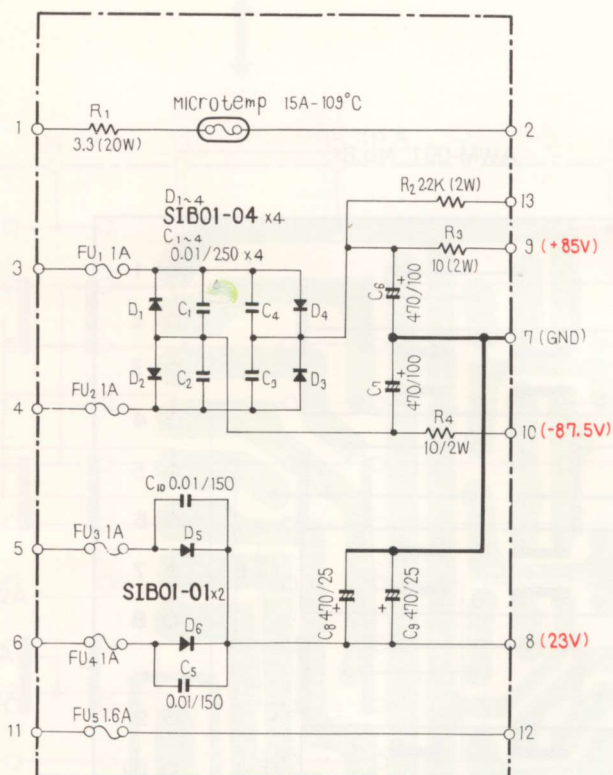


Parts List of Speaker Switch Assembly (AWS-098, for HG type)

Symbol	Description	Part No.
S1	Push switch (SPEAKERS)	ASG-100
R1	Metal oxide resistor 150 3W	RS3P 151K
R2	Metal oxide resistor 150 3W	RS3P 151K
	Phone jack (PHONES)	AKN-010



15.6 POWER SUPPLY ASSEMBLY (AWR-108, for HG type)



Parts List of Power Supply Assembly (AWR-108, for HG type)

SEMICONDUCTORS

Symbol	Description	Part No.
D1	Diode	SIB01-04
D2	Diode	SIB01-04
D3	Diode	SIB01-04
D4	Diode	SIB01-04
D5	Diode	SIB01-01 (IS1885)
D6	Diode	SIB01-01 (IS1885)

RESISTORS

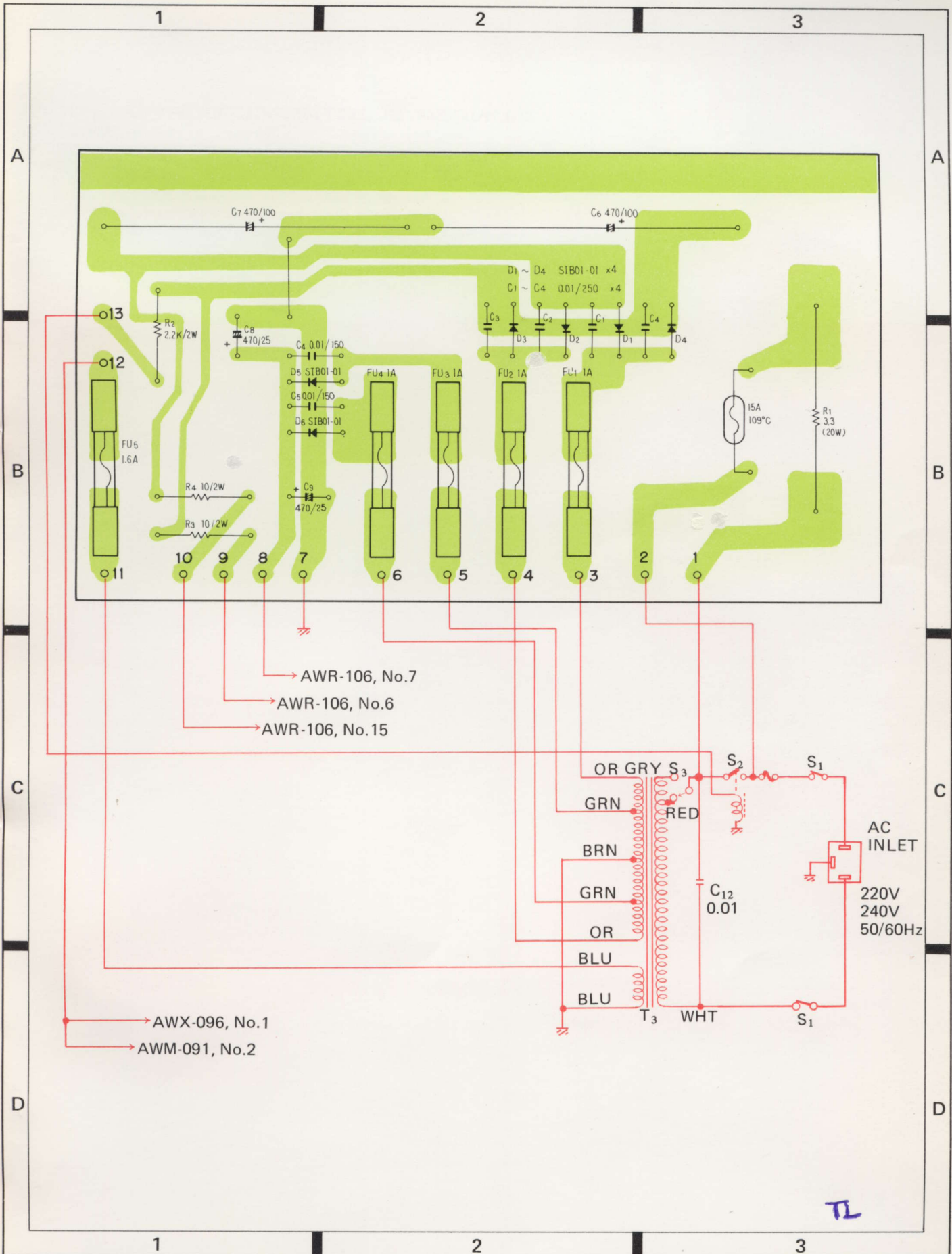
Symbol	Description	Part No.
R1	Wire wound 3.3 20W	ACN-003
R2	Metal oxide 2.2k 2W	RS2P 222J
R3	Metal oxide 10 2W	RS2P 100K
R4	Metal oxide 10 2W	RS2P 100K

CAPACITORS

Symbol	Description	Part No.
C1~C4	Ceramic 0.01 250V	ACG-001
C5	Ceramic 0.01 150V	ACG-004
C6	Electrolytic 470 100V	CEB 471P 100
C7	Electrolytic 470 100V	CEB 471P 100
C8	Electrolytic 470 25V	CEA 471P 25
C9	Electrolytic 470 25V	CEA 471P 25
C10	Ceramic 0.01 150V	ACG-004

OTHERS

Symbol	Description	Part No.
	Microtemp	AEX-005
	Fuse clip	AKR-010



PIONEER ELECTRONIC CORPORATION

4-1, Meguro 1-Chome, Meguro-ku, Tokyo 153, Japan

U.S. PIONEER ELECTRONICS CORPORATION

75 Oxford Drive, Moonachie, New Jersey 07074, U.S.A.

PIONEER ELECTRONIC (EUROPE) N.V.

Luithagensteenweg, no. 9, 2030 Antwerp, Belgium

PIONEER ELECTRONICS AUSTRALIA PTY. LTD.

178-184 Boundary Road, Braeside, Victoria 3195, Australia

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