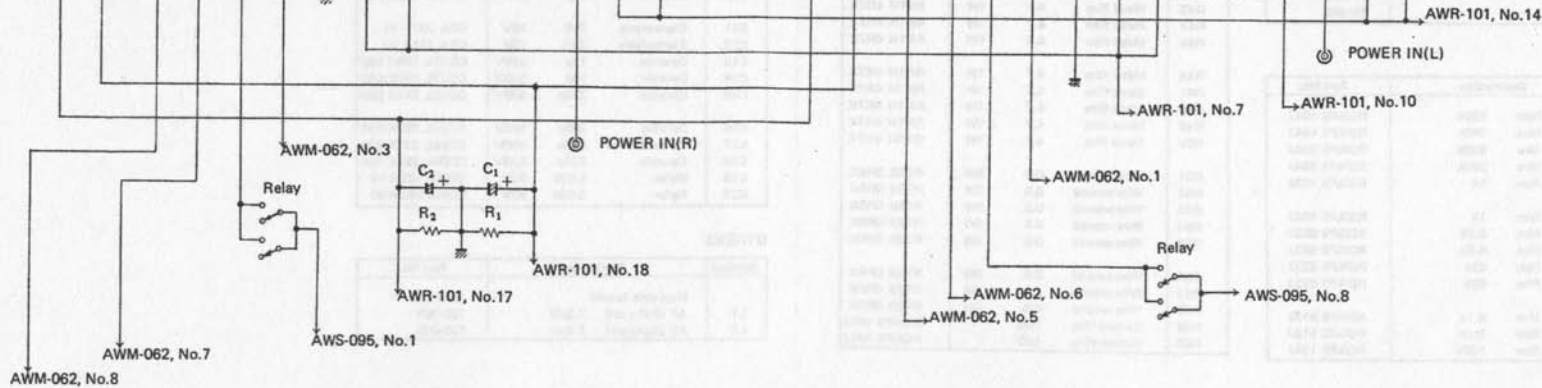
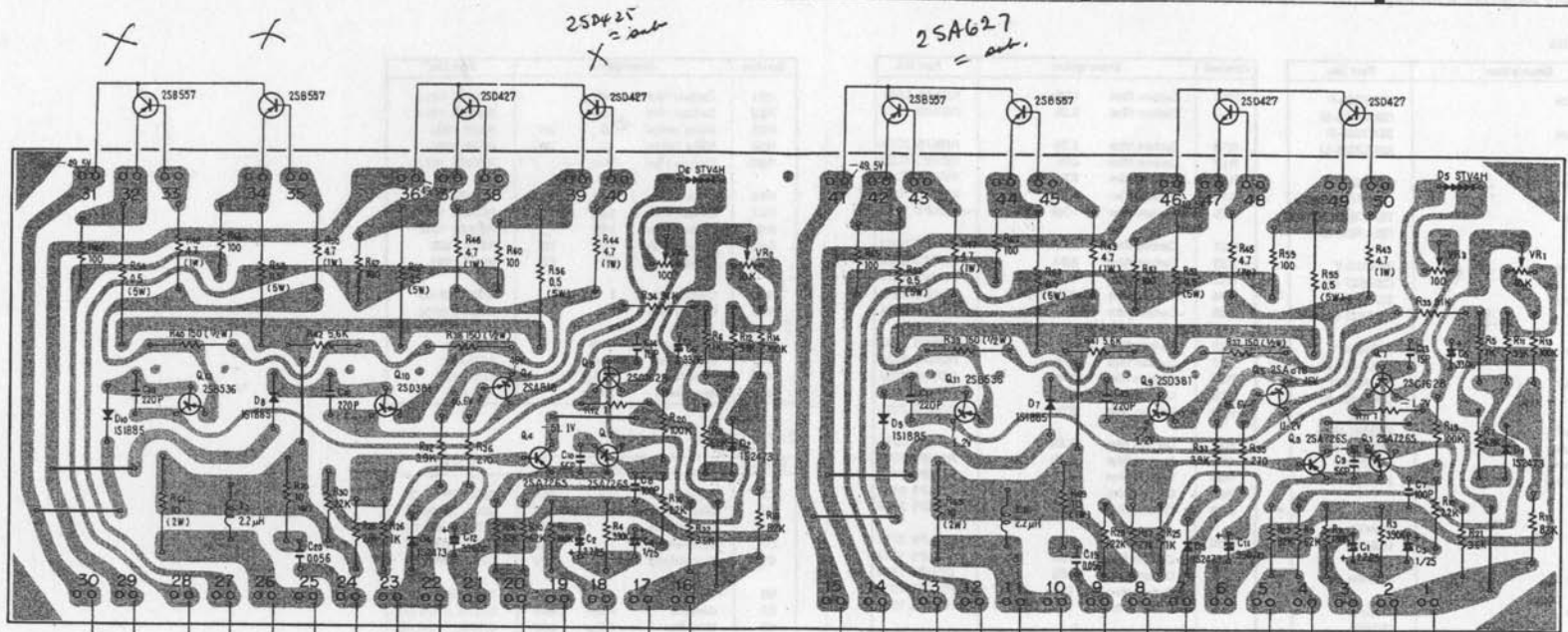


12.12 POWER AMPLIFIER ASSEMBLY (AWH-050)

08B-X2



Parts List of Power Amplifier Assembly (AWH-050)

SEMICONDUCTORS

Symbol	Description	Part No.
Q1	Transistor	2SA726S-F (2SA763S-5)
Q2	Transistor	2SA726S-F (2SA763S-5)
Q3	Transistor	2SA726S-F (2SA763S-5)
Q4	Transistor	2SA726S-F (2SA763S-5)
Q5	Transistor	2SAB18-Y (2SB527-C)
Q6	Transistor	2SAB18-Y (2SB527-C)
Q7	Transistor	2SC1628-Y (2SC1451-B)
Q8	Transistor	2SC1628-Y (2SC1451-B)
Q9	Transistor	2SD381-M
Q10	Transistor	2SD381-M
Q11	Transistor	2SB536-M
Q12	Transistor	2SB536-M
D1	Diode	1S2473
D2	Diode	1S2473
D3	Diode	1S2473
D4	Diode	1S2473
D5	Varistor	STV-4H
D6	Varistor	STV-4H
D7	Diode	1S1885
D8	Diode	1S1885
D9	Diode	1S1885
D10	Diode	1S1885

RESISTORS

Symbol	Description	Part No.
R1	Carbon film 180k	RD4PS 184J
R2	Carbon film 180k	RD4PS 184J
R3	Carbon film 390k	RD4PS 394J
R4	Carbon film 390k	RD4PS 394J
R5	Carbon film 1k	RD4PS 102J
R6	Carbon film 1k	RD4PS 102J
R7	Carbon film 6.8k	RD4PS 682J
R8	Carbon film 6.8k	RD4PS 682J
R9	Carbon film 62k	RD4PS 623J
R10	Carbon film 62k	RD4PS 623J
R11	Carbon film 9.1k	RD4PS 912J
R12	Carbon film 9.1k	RD4PS 912J
R13	Carbon film 100k	RD4PS 104J

Symbol	Description	Part No.
R14	Carbon film 100k	RD4PS 104J
R15	Carbon film 2.2k	RD4PS 222J
R16	Carbon film 2.2k	RD4PS 222J
R17	Carbon film 82k	RD4PS 823J
R18	Carbon film 82k	RD4PS 823J
R19	Carbon film 100k	RD4PS 104J
R20	Carbon film 100k	RD4PS 104J
R21	Carbon film 3.6k	RD4PS 362J
R22	Carbon film 3.6k	RD4PS 362J
R23	Carbon film 82k	RD4PS 823J
R24	Carbon film 82k	RD4PS 823J
R25	Carbon film 1k	RD4PS 102J
R26	Carbon film 1k	RD4PS 102J
R27	Carbon film 27k	RD4PS 273J
R28	Carbon film 27k	RD4PS 273J
R29	Carbon film 22k	RD4PS 223J
R30	Carbon film 22k	RD4PS 223J
R31	Carbon film 3.9k	RD4PS 392J
R32	Carbon film 3.9k	RD4PS 392J
R33	Carbon film 91k	RD4PS 913J
R34	Carbon film 91k	RD4PS 913J
R35	Carbon film 270	RD4PS 271J
R36	Carbon film 270	RD4PS 271J
R37	Carbon film 150 1/2W	RD4PS 151J
R38	Carbon film 150 1/2W	RD4PS 151J
R39	Carbon film 150 1/2W	RD4PS 151J
R40	Carbon film 150 1/2W	RD4PS 151J
R41	Carbon film 5.6k	RD4PS 562J
R42	Carbon film 5.6k	RD4PS 562J
R43	Metal film 4.7 1W	RN1H 4R7K
R44	Metal film 4.7 1W	RN1H 4R7K
R45	Metal film 4.7 1W	RN1H 4R7K
R46	Metal film 4.7 1W	RN1H 4R7K
R47	Metal film 4.7 1W	RN1H 4R7K
R48	Metal film 4.7 1W	RN1H 4R7K
R49	Metal film 4.7 1W	RN1H 4R7K
R50	Metal film 4.7 1W	RN1H 4R7K
R51	Wire wound 0.5 5W	RT5B 0R5K
R52	Wire wound 0.5 5W	RT5B 0R5K
R53	Wire wound 0.5 5W	RT5B 0R5K
R54	Wire wound 0.5 5W	RT5B 0R5K
R55	Wire wound 0.5 5W	RT5B 0R5K
R56	Wire wound 0.5 5W	RT5B 0R5K
R57	Wire wound 0.5 5W	RT5B 0R5K
R58	Wire wound 0.5 5W	RT5B 0R5K
R59	Carbon film 100	RD4PS 101J
R60	Carbon film 100	RD4PS 101J

Symbol	Description	Part No.
R61	Carbon film 100	RD4PS 101J
R62	Carbon film 100	RD4PS 101J
R63	Metal oxide 10 2W	RS2P 100J
R64	Metal oxide 10 2W	RS2P 100J
R65	Carbon film 100	RD4PS 101J
R66	Carbon film 100	RD4PS 101J
R67	Carbon film 100	RD4PS 101J
R68	Carbon film 100	RD4PS 101J
R69	Metal oxide 10 1W	RS1P 100J
R70	Metal oxide 10 1W	RS1P 100J
R71	Carbon film 1	RD4PS 010J
R72	Carbon film 1	RD4PS 010J
VR1	Semi-fixed 1k-B	ACP-029
VR2	Semi-fixed 1k-B	ACP-029
VR3	Semi-fixed 100-B	ACP-019
VR4	Semi-fixed 100-B	ACP-019

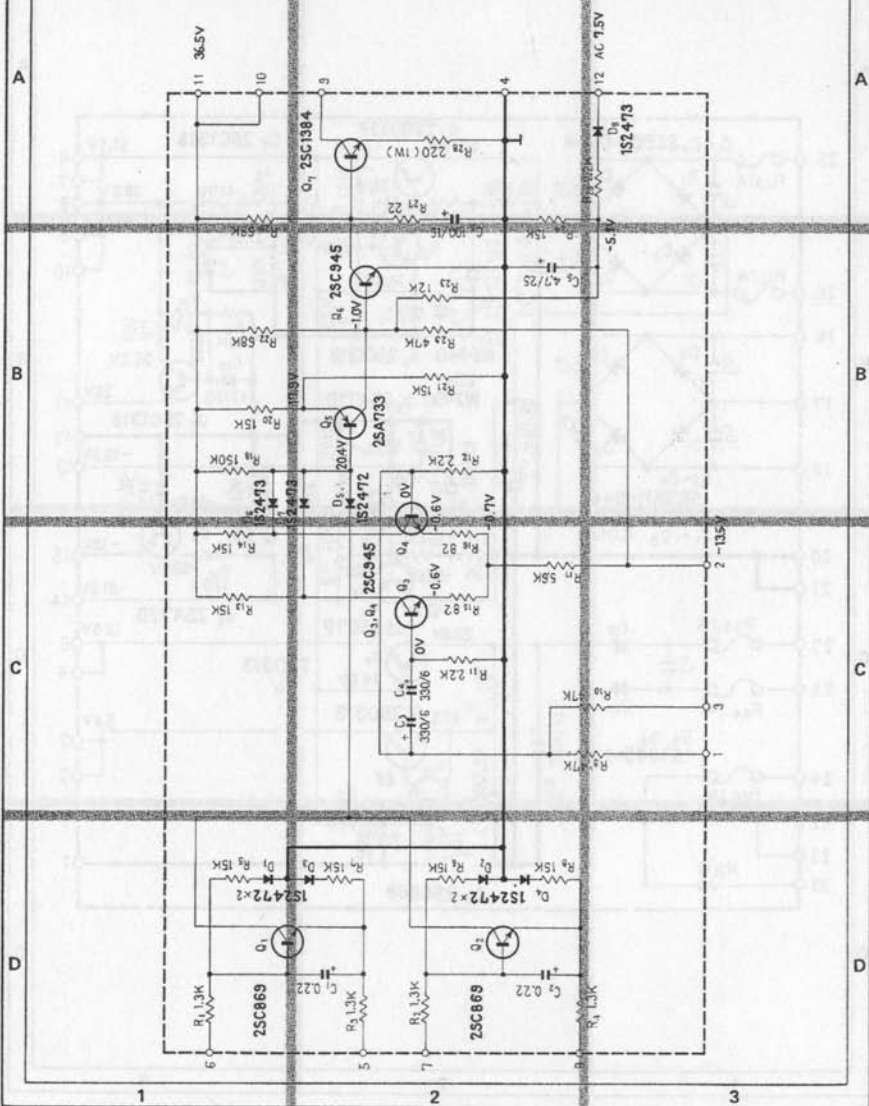
CAPACITORS

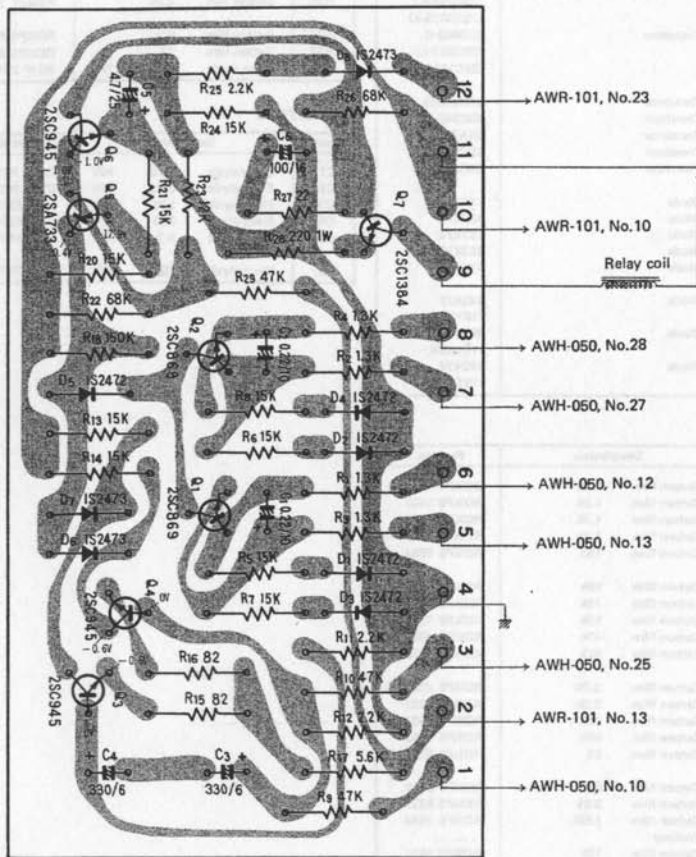
Symbol	Description	Part No.
C1	Electrolytic 2.2 25V	CSSA 2R2M 25
C2	Electrolytic 2.2 25V	CSSA 2R2M 25
C3	Electrolytic 1 25V	CSSA 010M 25
C4	Electrolytic 1 25V	CSSA 010M 25
C5	Electrolytic 33 16V	CEA 330P 16
C6	Electrolytic 33 16V	CEA 330P 16
C7	Ceramic 100p 50V	CCDSL 101K 50
C8	Ceramic 100p 50V	CCDSL 101K 50
C9	Ceramic 56p 50V	CCDSL 560K 50
C10	Ceramic 56p 50V	CCDSL 560K 50
C11	Electrolytic 330 10V	CEA 331P 10
C12	Electrolytic 330 10V	CEA 331P 10
C13	Ceramic 15p 500V	CCDSL 150K 500
C14	Ceramic 15p 500V	CCDSL 150K 500
C15	Ceramic 220p 500V	CCDSL 221K 500
C16	Ceramic 220p 500V	CCDSL 221K 500
C17	Ceramic 220p 500V	CCDSL 221K 500
C18	Ceramic 220p 500V	CCDSL 221K 500
C19	Mylar 0.056 50V	CQMA 563M 50
C20	Mylar 0.056 50V	CQMA 563M 50

OTHERS

Symbol	Description	Part No.
L1	Heat sink (small)	ANH-203
L2	AF choke coil 2.2uH	T63-009
L2	AF choke coil 2.2uH	T63-009

12.13 PROTECTION CIRCUIT ASSEMBLY (AWM-062)





Parts List of Protection Circuit Assembly (AWM-062)

SEMICONDUCTORS

Symbol	Description	Part No.
Q1	Transistor	2SC869-C (2SC857-K) (2SC1515-K)
Q2	Transistor	2SC869-C (2SC857-K) (2SC1515-K)
Q3	Transistor	2SC945-Q
Q4	Transistor	2SC945-Q
Q5	Transistor	2SA733-Q
Q6	Transistor	2SC945-Q
Q7	Transistor	2SC1384-R
D1	Diode	1S2472
D2	Diode	1S2472
D3	Diode	1S2472
D4	Diode	1S2472
D5	Diode	1S2472
D6	Diode	1S2473 (1S1555)
D7	Diode	1S2473 (1S1555)
D8	Diode	1S2473 (1S1555)

Symbol	Description	Part No.
R24	Carbon film 15k	RD4PS 153J
R25	Carbon film 2.2k	RD4PS 222J
R26	Carbon film 68k	RD4PS 683J
R27	Carbon film 22	RD4PS 220J
R28	Metal oxide 220 1W	RS1P 221J

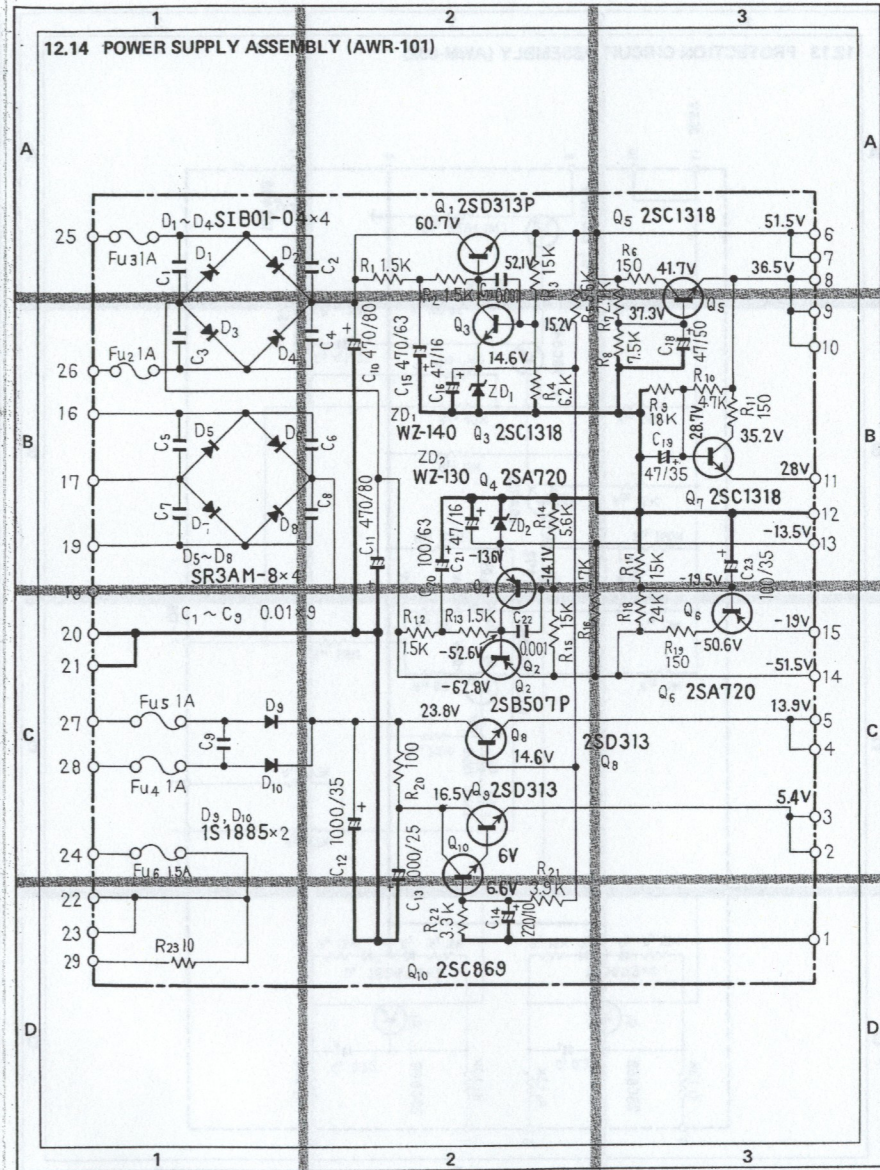
CAPACITORS

Symbol	Description	Part No.
C1	Electrolytic 0.22 10V	CSSA R22M 10
C2	Electrolytic 0.22 10V	CSSA R22M 10
C3	Electrolytic 330 6V	CEA 331P 6
C4	Electrolytic 330 6V	CEA 331P 6
C5	Electrolytic 4.7 25V	CEA 4R7P 25
C6	Electrolytic 100 16V	CEA 101P 16

RESISTORS

Symbol	Description	Part No.
R1	Carbon film 1.3k	RD4PS 132J
R2	Carbon film 1.3k	RD4PS 132J
R3	Carbon film 1.3k	RD4PS 132J
R4	Carbon film 1.3k	RD4PS 132J
R5	Carbon film 15k	RD4PS 153J
R6	Carbon film 15k	RD4PS 153J
R7	Carbon film 15k	RD4PS 153J
R8	Carbon film 15k	RD4PS 153J
R9	Carbon film 47k	RD4PS 473J
R10	Carbon film 47k	RD4PS 473J
R11	Carbon film 2.2k	RD4PS 222J
R12	Carbon film 2.2k	RD4PS 222J
R13	Carbon film 15k	RD4PS 153J
R14	Carbon film 15k	RD4PS 153J
R15	Carbon film 82	RD4PS 820J
R16	Carbon film 82	RD4PS 820J
R17	Carbon film 5.6k	RD4PS 562J
R18	Carbon film 150k	RD4PS 154J
R19	Vacancy
R20	Carbon film 15k	RD4PS 153J
R21	Carbon film 15k	RD4PS 153J
R22	Carbon film 68k	RD4PS 683J
R23	Carbon film 12k	RD4PS 123J

12.14 POWER SUPPLY ASSEMBLY (AWR-101)



Parts List of Power Supply Assembly (AWR-101)

SEMICONDUCTORS

Symbol	Description	Part No.
Q1	Transistor	2SD313P-E
Q2	Transistor	2SB507P-E
Q3	Transistor	2SC1318-Q
Q4	Transistor	2SA720-Q
Q5	Transistor	2SC1318-Q
Q6	Transistor	2SA720-Q
Q7	Transistor	2SC1318-Q
Q8	Transistor	2SD313-E
Q9	Transistor	2SD313-E
Q10	Transistor	2SC869-C
D1	Diode	S1B01-04
D2	Diode	S1B01-04
D3	Diode	S1B01-04
D4	Diode	S1B01-04
D5	Diode	SR3AM-8
D6	Diode	SR3AM-8
D7	Diode	SR3AM-8
D8	Diode	SR3AM-8
D9	Diode	1S1885
D10	Diode	1S1885
D11	Zener diode	WZ-140
D12	Zener diode	WZ-130

CAPACITORS

Symbol	Description	Part No.
C1	Ceramic	0.01 150V ACG-004
C2	Ceramic	0.01 150V ACG-004
C3	Ceramic	0.01 150V ACG-004
C4	Ceramic	0.01 150V ACG-004
C5	Ceramic	0.01 150V ACG-004
C6	Ceramic	0.01 150V ACG-004
C7	Ceramic	0.01 150V ACG-004
C8	Ceramic	0.01 150V ACG-004
C9	Ceramic	0.01 150V ACG-004
C10	Electrolytic	470 80V ACH-038
C11	Electrolytic	470 80V ACH-038
C12	Electrolytic	1,000 35V ACH-039
C13	Electrolytic	1,000 25V CEA 102P 25
C14	Electrolytic	220 10V CEA 221P 10
C15	Electrolytic	470 63V CEA 471P 63
C16	Electrolytic	47 16V CEA 470P 16
C17	Ceramic	0.001 50V CKDYF 102Z 50
C18	Electrolytic	47 50V CEA 470P 50
C19	Electrolytic	47 35V CEA 470P 35
C20	Electrolytic	100 63V CEA 101P 63
C21	Electrolytic	47 16V CEA 470P 16
C22	Ceramic	0.001 50V CKDYF 102Z 50
C23	Electrolytic	100 35V CEA 101P 35

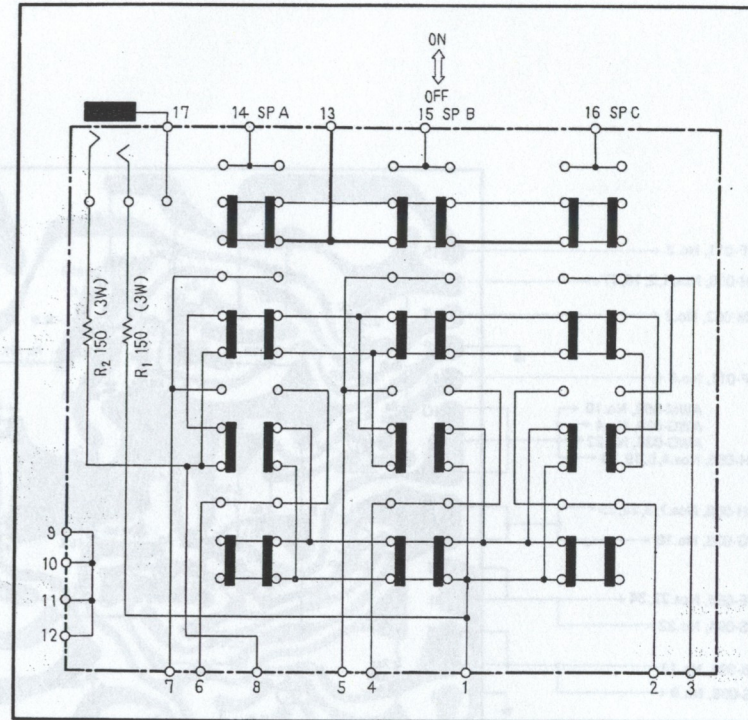
RESISTORS

Symbol	Description	Part No.
R1	Carbon film 1.5k	RD4PS 152J
R2	Carbon film 1.5k	RD4PS 152J
R3	Carbon film 15k	RD4PS 153J
R4	Carbon film 6.2k	RD4PS 622J
R5	Carbon film 5.6k 1/2W	RD4PS 562J
R6	Carbon film 150 1/2W	RD4PS 151J
R7	Carbon film 2.7k	RD4PS 272J
R8	Carbon film 7.5k	RD4PS 752J
R9	Carbon film 18k	RD4PS 183J
R10	Carbon film 4.7k	RD4PS 472J
R11	Carbon film 150 1/2W	RD4PS 151J
R12	Carbon film 1.5k	RD4PS 152J
R13	Carbon film 1.5k	RD4PS 152J
R14	Carbon film 5.6k	RD4PS 562J
R15	Carbon film 15k	RD4PS 153J
R16	Carbon film 2.7k 1/2W	RD4PS 272J
R17	Carbon film 15k	RD4PS 153J
R18	Carbon film 24k	RD4PS 243J
R19	Carbon film 150 1/2W	RD4PS 151J
R20	Metal oxide 100 3W	RS3P 101J
R21	Carbon film 3.9k	RD4PS 392J
R22	Carbon film 3.3k	RD4PS 332J
R23	Carbon film 10	RD4PS 100J

OTHERS

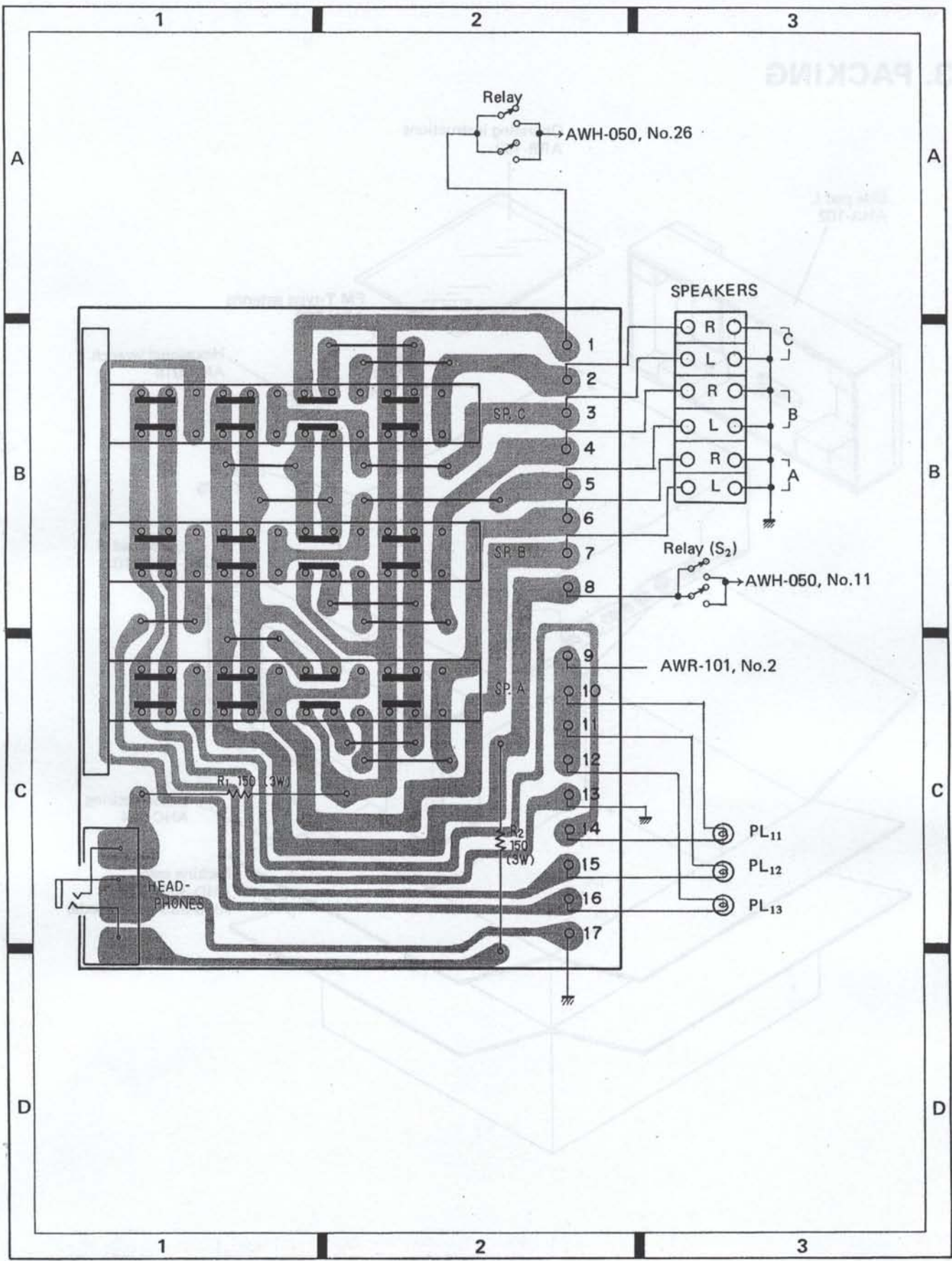
Symbol	Description	Part No.
	Heat sink	ANH-117
	Heat sink	ANH-207
	Transistor socket	AKH-002
	Mica wafer	AEC-043
	Fuse clip	AKR-013
	Fuse clip	AKR-030

12.15 SWITCH ASSEMBLY (AWS-095)

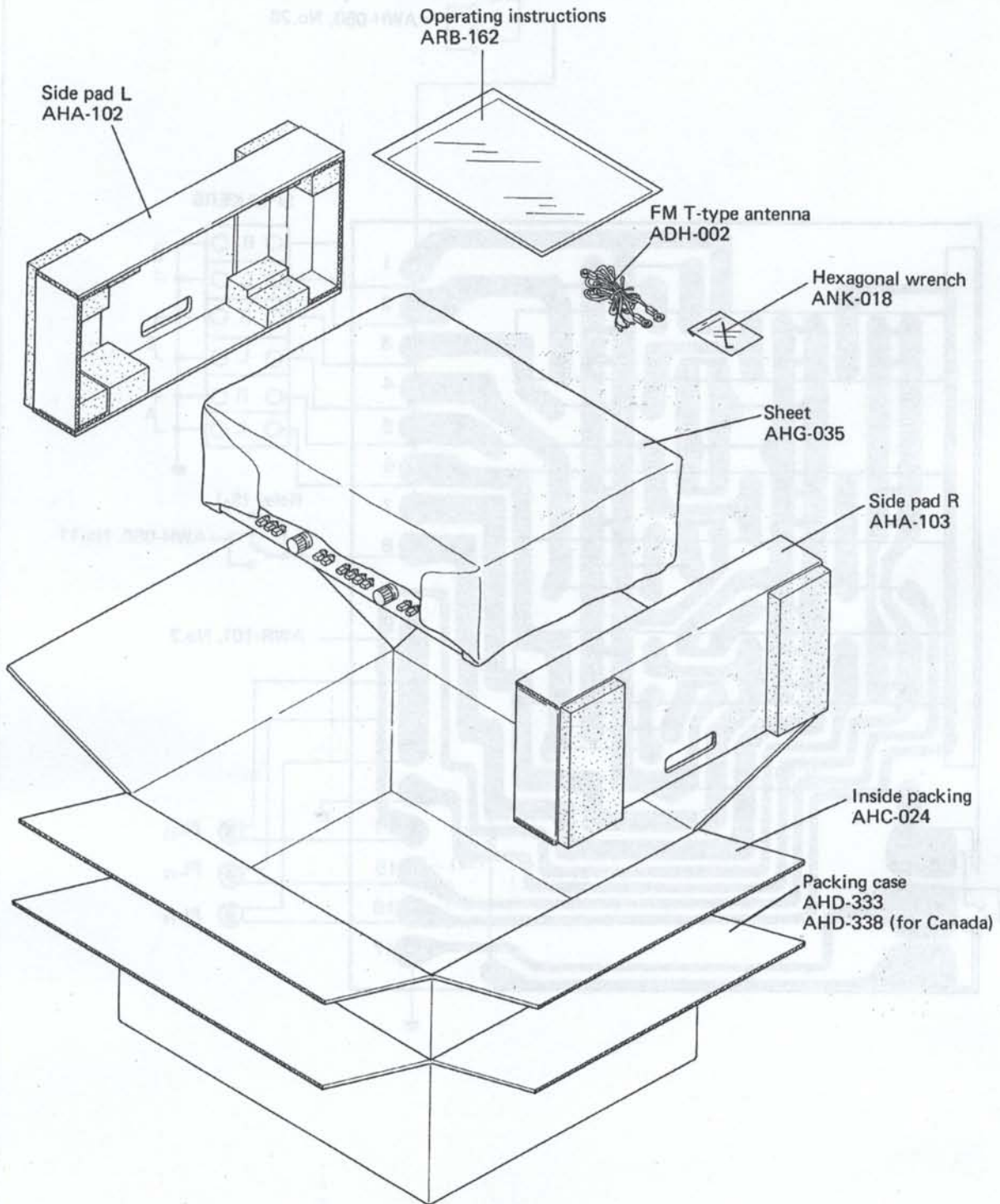


Parts List of Switch Assembly (AWS-095)

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	Jack (PHONES)	AKN-010



13. PACKING



14. PARTS LIST OF EXPLODED VIEWS

Parts No.	Parts Name
AAA-034	Knob (TUNING)
AAB-100	Knob (TONE CONTROL)
AAB-103	Knob (VOLUME)
AAD-113	Knob (POWER, FILTER)
AAD-114	Knob (FUNCTION)
AAF-051	Dial Pointer
AAG-105	Dial Scale Board
AAP-036	Blind Sash
AAT-025	Shaft Cover
ATT-026	Indicator (SPEAKER)
AAT-027	Indicator (FUNCTION)
AAT-028	Indicator (STEREO)
AAW-040	Double Meter
ABA-002	Screw 3x8
ABA-012	Screw 4x8
ABA-113	Screw 4x15
ABA-114	Screw for Pulley
ABA-115	Special Screw
ABA-116	Screw
ABE-006	Washer (INTERNAL TOOTHED LOCK)
ABN-021	Union Nut
ABN-024	Washer Faced Nut
ACG-003	Ceramic Capacitor (0.01 μ F 150V)
ACH-059	Electric Capacitor (22000 μ F 63V)
ACV-136	Variable Resistor (TONE CONTROL 100k-B)
ACV-163	Variable Resistor (BALANCE 100k-HB)
ACV-164	Variable Resistor (VOLUME 50k-B2)
ADG-005	AC Power Cord
ADH-002	FM T-Type Antenna
AEB-085	Rubber Bracket (A)
AEB-086	Rubber Bracket (B)
AEB-087	Rubber Spacer
AEC-076	Insulator Washer
AEC-079	Strain Relief
AEC-101	Pulley
AEC-178	Foot
AEC-256	Pulley (Small)
AEC-258	Spacer
AEC-260	Acrylic Board
AEK-104	Fuse 1.5A
AEK-106	Fuse 1A
AEK-109	Fuse 6A
AEL-056	Lamp Ass.
AHA-102	Side Pad (L)
AHA-103	Side Pad (R)
AHC-024	Inside Packing
AHD-333	Packing (KU Model)
AHD-338	Packing (KC Model)
AHG-035	Sheet
AKA-004	Terminal (ANTENNA)

Parts No.	Parts Name
AKB-019	Terminal (FM OUT)
AKB-030	Terminal
AKB-033	Terminal (INPUT)
ADE-012	Terminal (GND)
AKE-014	Terminal (SPEAKER)
AKH-001	Socket (TRANSISTER)
AKM-004	Jumper Plug
AKN-010	Phone Jack
AKN-012	Mic Jack
AKP-005	AC Outlet
AKR-028	Fuse Holder 1P
AMM-048	Wooden Cabinet
ANB-374	Front Panel Ass.
ANK-018	Hexagonal Wrench
ARB-162	Operation Manual
ASG-094	Push Switch (SPEAKERS)
ASG-095	Push Switch (AM, FM, PHONO1, PHONO 2/MIC, AUX)
ASG-096	Push Switch (FM MUTING, MPX NOISE FIL.)
ASH-015	Slide Switch (DE-EMPHASIS)
ASK-080	Lever Switch (POWER)
ASK-089	Lever Switch (HIGH, LOW FILTER, TREBLE TURNOVER)
ASK-090	Lever Switch (TONE)
ASK-091	Lever Switch (BASS TURNOVER)
ASK-092	Lever Switch (DUPLICATE, ADAPTOR, TAPE MONITOR 12)
ASR-019	Relay
ATB-046	Ferrite Bar Antenna
ATT-265	Power Transformer
AWE-066	Tuner Ass.
AWF-011	Equalizer Amp.
AWH-050	Power Amp. Ass.
AWG-038	Flat Amp. Ass.
AWG-039	Tone Amp. Ass.
AWM-062	Protection Circuit Ass.
AWR-101	Power Supply Ass.
AWS-093	Switch Ass.
AWS-094	Switch Ass.
AWS-095	Switch Ass.
AWX-062	5P Connector Ass.
AWX-094	Mic Jack Ass.
AWX-095	Switch Ass. (DE-EMPHASIS)
AWX-096	Lamp Board Ass.
AXA-111	Tuning Shaft Ass.
AXA-113	Tuning Drum Ass.
B71-004	Nut 9 ϕ
B71-010	Nut 7 ϕ
M45-086	Washer 9 ϕ
T22-025	Ferrite Balun
W72-092	Bar-Antenna Holder

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Printed in Japan

12.2 SCHEMATIC DIAGRAM

