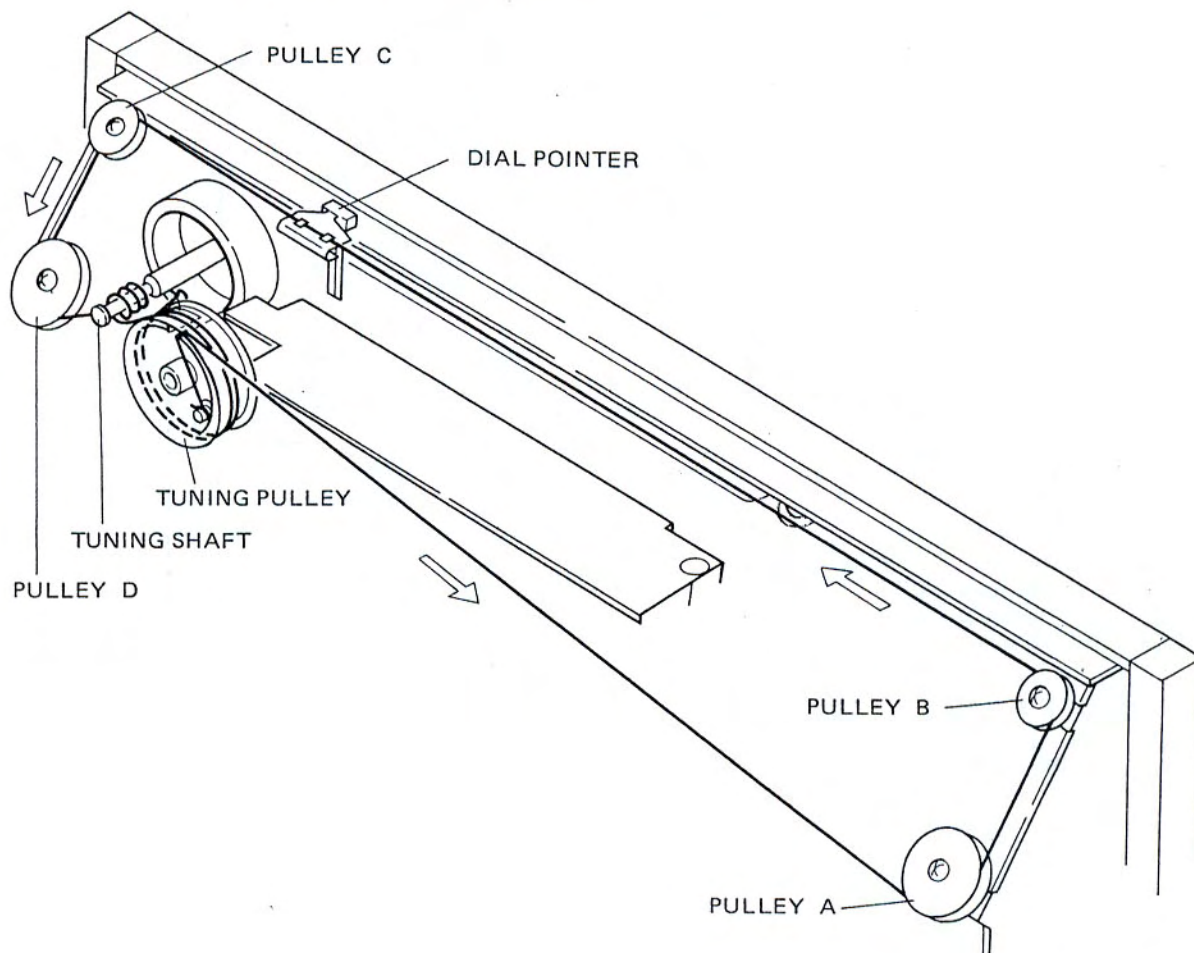
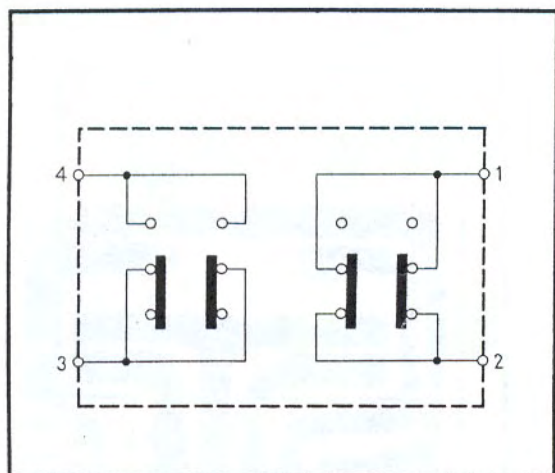


7. DIAL CORD STRINGING

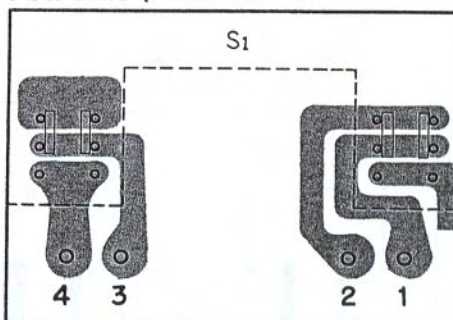
1. Turn the tuning knob until the plates of the tuning capacitor are as far out as possible.
2. Fasten one end of the cord to the boss on the tuning pulley and pass it through the slit.
3. Run the cord round pulleys A, B, C and D in this order and wind 3 turns round the tuning shaft.
4. Wind the cord 2 turns round the tuning pulley and tie the end to the spring while tensioning the spring slightly. Trim off excess cord.
5. Turn the tuning knob fully clockwise and fix the dial pointer to the cord at the point where it indicates "10" on the dial scale.



10.12 PUSH SWITCH CIRCUIT ASSEMBLY (AWS-077-0)

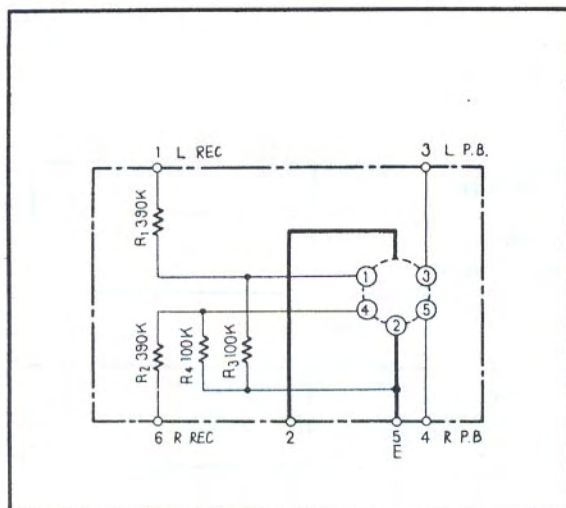


Foil Side (AWS-077-0)

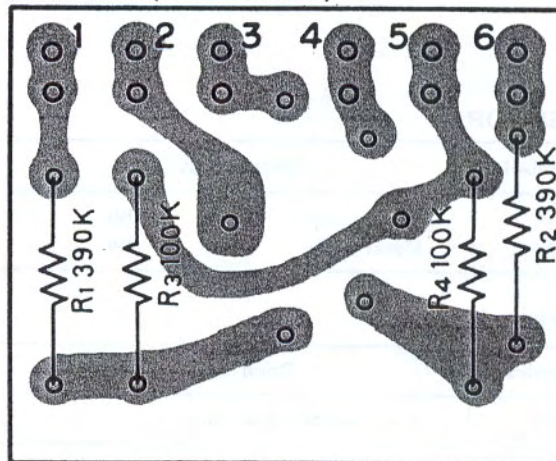


Symbol	Description	Part No.	
S1	Push switch (mode, FM muting)	ASG-071-0	

10.13 5P CONNECTOR ASSEMBLY (AWX-062-0)



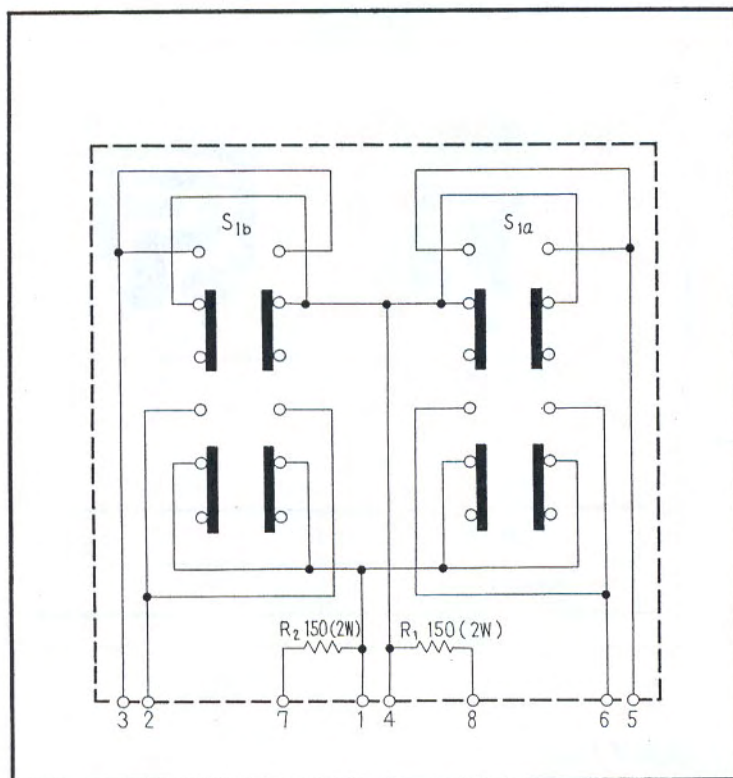
Foil Side (AWX-062-0)



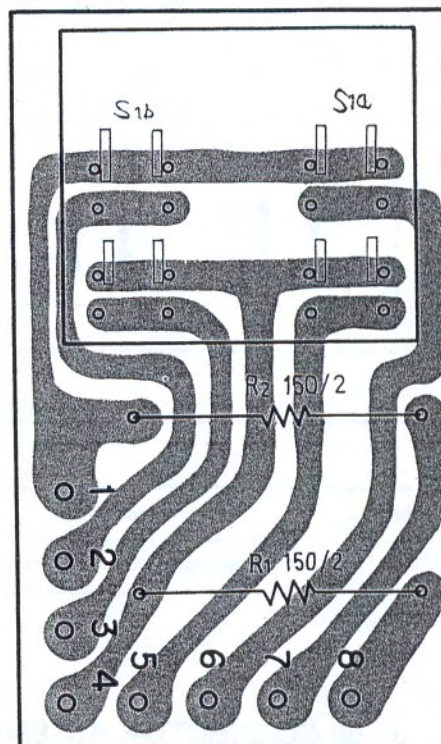
RESISTORS

Symbol	Description	Part No.	
R1	Carbon film 390k	RD¼PS 394J	
R2	Carbon film 390k	RD¼PS 394J	
R3	Carbon film 100k	RD¼PS 104J	
R4	Carbon film 100k	RD¼PS 104J	
	Connector (DIN type 5P)	AKP-007-0	

10.11 SPEAKER SWITCH CIRCUIT ASSEMBLY (AWS-076-0)



Foil Side (AWS-076-0)



RESISTORS

Symbol	Description			Part No.	
R1	Metal oxide	150	2W	RS2R 151K	
R2	Metal oxide	150	2W	RS2R 151K	

SWITCH

Symbol	Description	Part No.	
S1	Push switch (speakers)	ASG-072-0	

Parts List of Switch & Volume Circuit Assembly (AWX-071-0)

CAPACITORS

Symbol	Description	Part No.	
C1	Mylar 0.015 50V	CQMA 153J 50	
C2	Mylar 0.015 50V	CQMA 153J 50	
C3	Ceramic 82p 50V	CCDSL 820K 50	
C4	Ceramic 82p 50V	CCDSL 820K 50	
C5	Electrolytic 220 6V	CEA 221P 6	

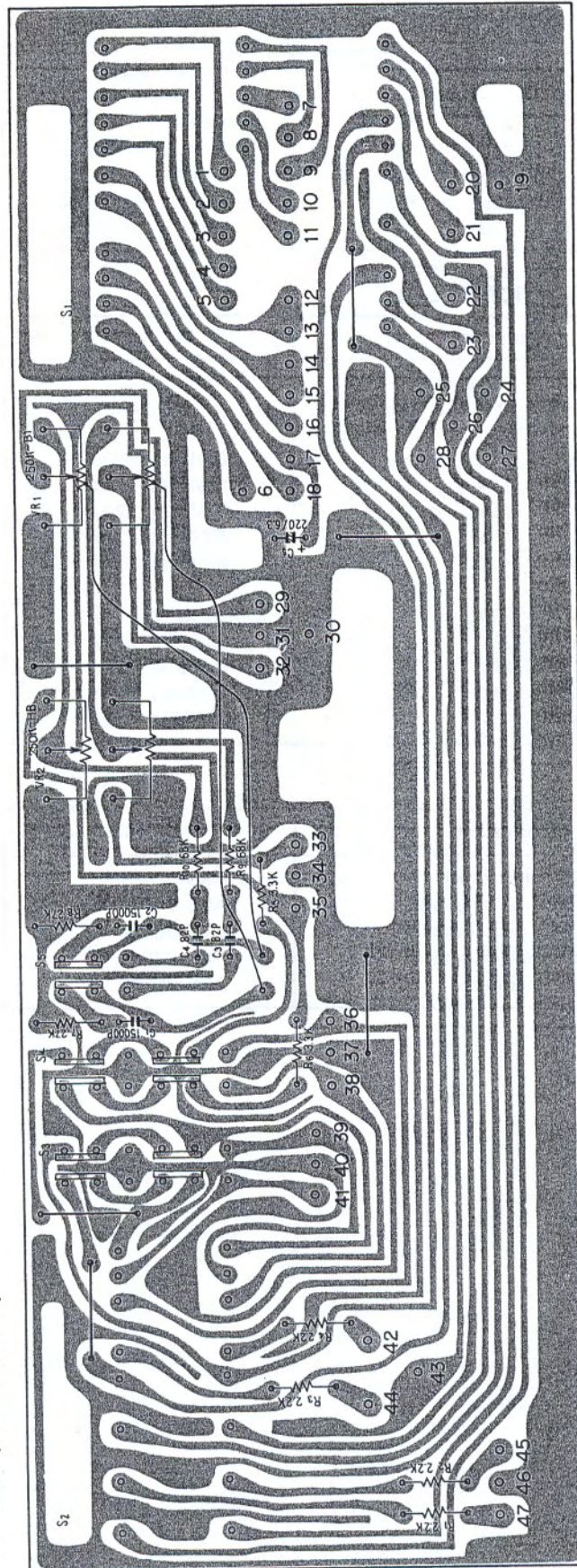
RESISTORS AND POTENTIOMETERS

Symbol	Description	Part No.	
VR1	Variable resistor 250k-B1 (volume)	ACV-134-0	
VR2	Variable resistor 250k-HB (balance)	ACV-135-0	
R1	Carbon film 2.2k	RD¼PM 222J	
R2	Carbon film 2.2k	RD¼PM 222J	
R3	Carbon film 2.2k	RD¼PM 222J	
R4	Carbon film 2.2k	RD¼PM 222J	
R5	Carbon film 3.3k	RD¼PM 332J	
R6	Carbon film 3.3k	RD¼PM 332J	
R7	Carbon film 27k	RD¼PM 273J	
R8	Carbon film 27k	RD¼PM 273J	
R9	Carbon film 68k	RD¼PM 683J	
R10	Carbon film 68k	RD¼PM 683J	

SWITCHES

Symbol	Description	Part No.	
S1	Rotary switch (function)	ASD-018-0	
S2	Rotary switch (rec selector)	ASD-017-0	
S3	Lever switch (tape monitor-1)	ASK-028-A	
S4	Lever switch (tape monitor-2)	ASK-028-A	
S5	Lever switch (loudness)	ASK-062-0	

Foil Side (AWX-071-0)



RESISTORS

Symbol	Description	Part No.	
R1	Carbon film 270 ½W	RD½PS 271J	
R2	Metal oxide 1k 1W	RS1P 102K	
R3	Wire sound 180 5W	RT5B 181K	
R4	Carbon film 1.5k	RD¼PS 152J	
R5	Carbon film 1.5k	RD¼PS 152J	
R6	Carbon film 3.3k	RD¼PS 332J	
R7	Carbon film 22k	RD¼PS 223J	
R8	Carbon film 16k	RD¼PS 163J	
R9	Carbon film 270	RD¼PS 271J	
R10	Carbon film 1k	RD¼PS 102J	
R11	Carbon film 180 ½W	RD¼PS 181J	

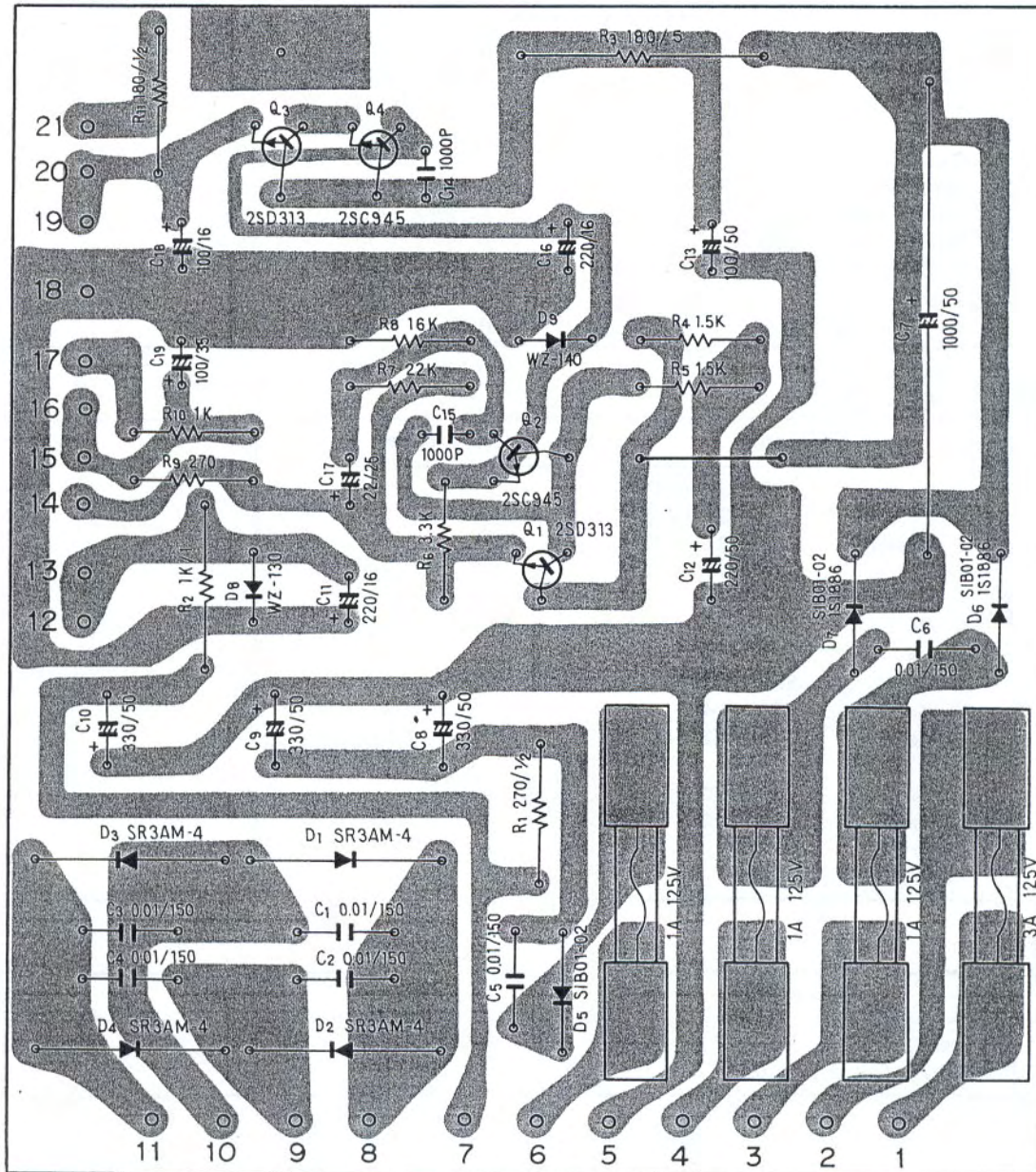
SEMICONDUCTORS

Symbol	Description	Part No.	
Q1	Transistor 2SD313-E or D		
Q2	Transistor 2SC945-R or Q		
Q3	Transistor 2SD313-E or D		
Q4	Transistor 2SC945-R or Q		
D1	Diode SR3AM-4		
D2	Diode SR3AM-4		
D3	Diode SR3AM-4		
D4	Diode SR3AM-4		
D5	Diode S1B01-02 (1S1886)		
D6	Diode S1B01-02 (1S1886)		
D7	Diode S1B01-02 (1S1886)		
D8	Zener diode WZ-130		
D9	Zener diode WZ-140		

OTHERS

Symbol	Description	Part No.	
	Heat sink	ANH-117-0	
	Fuse holder (clip-in type)	AKR-013-0	

Foil Side (AWR-057-0)



Symbol	Description			Part No.	
C11	Electrolytic	220	16V	CEA 221P 16	
C12	Electrolytic	220	50V	CEA 221P 50	
C13	Electrolytic	100	50V	CEA 101P 50	
C14	Ceramic	0.001	50V	CDKYF 102Z 50	
C15	Ceramic	0.001	50V	CKDYF 102Z 50	
C16	Electrolytic	220	16V	CEA 221P 16	
C17	Electrolytic	22	25V	CEA 220P 25	
C18	Electrolytic	100	16V	CEA 101P 16	
C19	Electrolytic	100	35V	CEA 101P 35	

Continued on the Next Page

SEMICONDUCTORS

Symbol	Description		Part No.	
Q1	Transistor	2SC869-C, B or D (2SC857K-A) (2SC1515K)		
Q2	Transistor	2SC869-C, B or D (2SC857K-A) (2SC1515K)		
Q3	Transistor	2SC945-Q or R		
Q4	Transistor	2SC945-Q or R		
Q5	Transistor	2SA733-Q or R		
Q6	Transistor	2SC945-Q or R		
Q7	Transistor	2SC1384-R or Q		
D1	Diode	1S2472		
D2	Diode	1S2472		
D3	Diode	1S2472		
D4	Diode	1S2472		
D5	Diode	1S2472		
D6	Diode	1S2473		
D7	Diode	1S2473		
D8	Diode	1S2473		

Parts List of Protection Circuit Assembly (AWM-025-C)

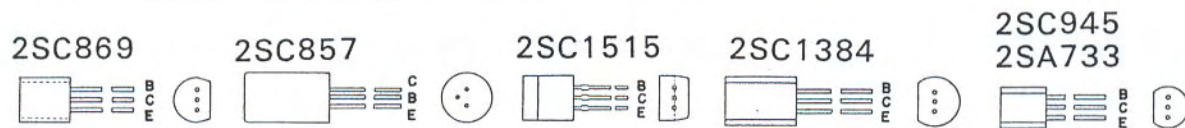
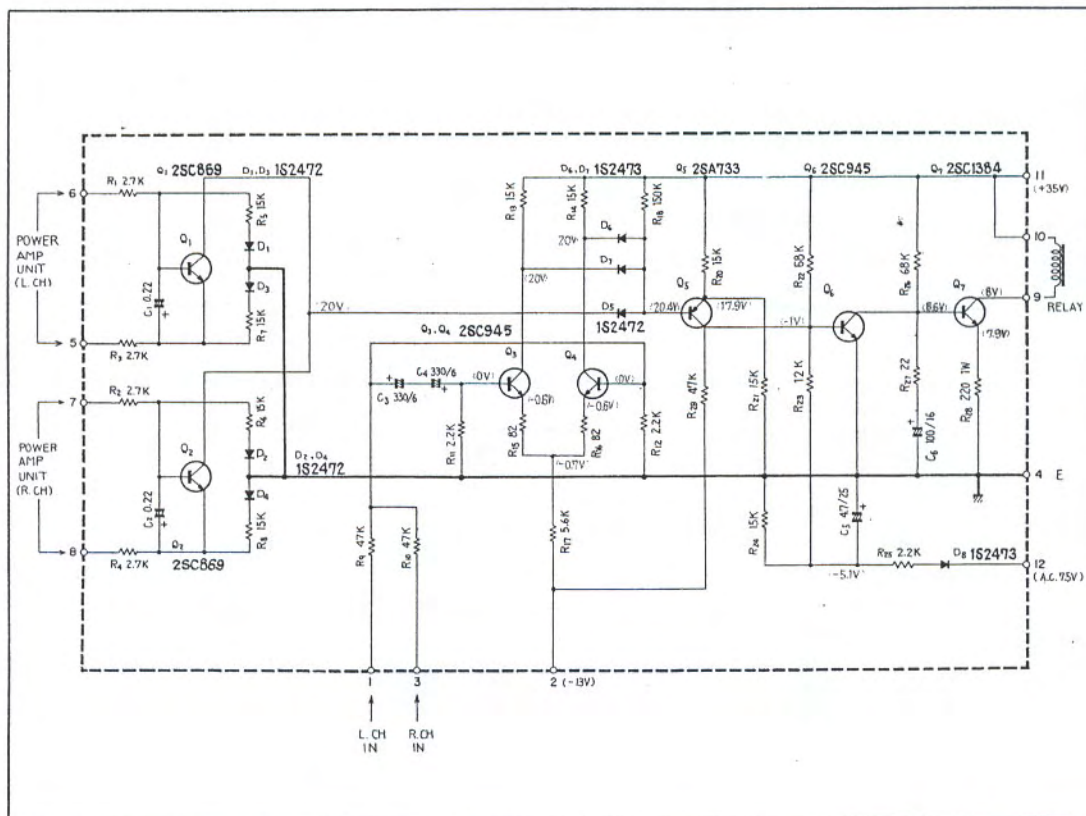
CAPACITORS

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	

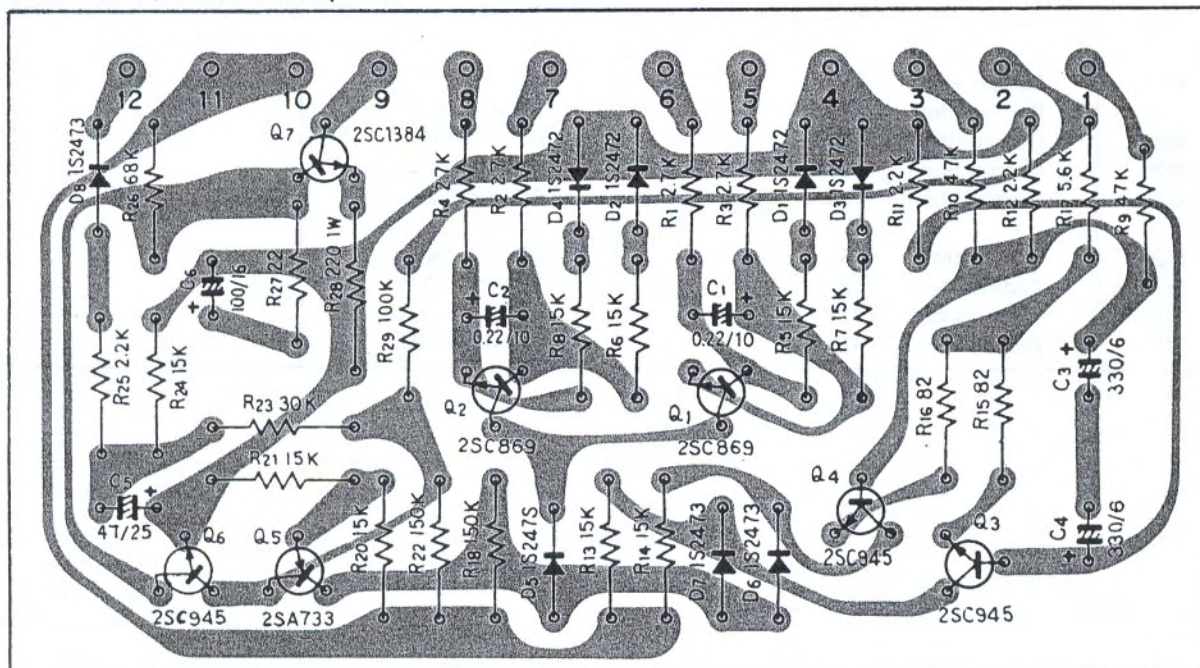
RESISTORS

Symbol	Description			Part No.	
R1	Carbon film	2.7k		RD¼PS 272J	
R2	Carbon film	2.7k		RD¼PS 272J	
R3	Carbon film	2.7k		RD¼PS 272J	
R4	Carbon film	2.7k		RD¼PS 272J	
R5	Carbon film	15k		RD¼PS 153J	
R6	Carbon film	15k		RD¼PS 153J	
R7	Carbon film	15k		RD¼PS 153J	
R8	Carbon film	15k		RD¼PS 153J	
R9	Carbon film	47k		RD¼PS 473J	
R10	Carbon film	47k		RD¼PS 473J	
R11	Carbon film	2.2k		RD¼PS 222J	
R12	Carbon film	2.2k		RD¼PS 222J	
R13	Carbon film	15k		RD¼PS 153J	
R14	Carbon film	15k		RD¼PS 153J	
R15	Carbon film	82		RD¼PS 820J	
R16	Carbon film	82		RD¼PS 820J	
R17	Carbon film	5.6k		RD¼PS 562J	
R18	Carbon film	150k		RD¼PS 154J	
R19					
R20	Carbon film	15k		RD¼PS 153J	
R21	Carbon film	15k		RD¼PS 153J	
R22	Carbon film	68k		RD¼PS 683J	
R23	Carbon film	12k		RD¼PS 123J	
R24	Carbon film	15k		RD¼PS 153J	
R25	Carbon film	2.2k		RD¼PS 222J	
R26	Carbon film	68k		RD¼PS 683J	
R27	Carbon film	22		RD¼PS 220J	
R28	Metal oxide	220	1W	RS1P 221J	
R29	Carbon film	47k		RD¼PS 473J	

10.7 PROTECTION CIRCUIT ASSEMBLY (AWM-025-C)



Foil Side (AWM-025-C)



Symbol	Description	Part No.	
Q11	Transistor 2SD370-O, R or Y (2SD388-Q, R or S) (2SC1403-R, O or Y)		
Q12	Transistor 2SD370-O, R or Y (2SD388-Q, R or S) (2SC1403-R, O or Y)		
Q13	Transistor 2SB530-O, R or Y (2SB541-Q, R or S) (2SA745-R, O or Y)		
Q14	Transistor 2SB530-O, R or Y (2SB541-Q, R or S) (2SA745-R, O or Y)		
D1	Varistor STV4H		
D2	Varistor STV4H		
D3	Diode 1S2473		

OTHERS

Symbol	Description	Part No.	
L1	AF choke coil	T63-009-0	
L2	AF choke coil	T63-009-0	
	Power transistor socket	AKH-001-0	
	Spacer (insulator)	AEC-076-0	
	Heat sink (small)	ANH-135-A	

Symbol	Description			Part No.	
R21	Carbon film	100		RD½PS 101J	
R22	Carbon film	100		RD½PS 101J	
R23	Carbon film	150	½W	RD½PS 151J	
R24	Carbon film	150	½W	RD½PS 151J	
R25	Carbon film	150	½W	RD½PS 151J	
R26	Carbon film	150	½W	RD½PS 151J	
R27	Metal film	4.7	1W	RN1H 4R7K	
R28	Metal film	4.7	1W	RN1H 4R7K	
R29	Metal film	4.7	1W	RN1H 4R7K	
R30	Metal film	4.7	1W	RN1H 4R7K	
R31	Wire wound	0.5	5W	RT5B 0R5K	
R32	Wire wound	0.5	5W	RT5B 0R5K	
R33	Wire wound	0.5	5W	RT5B 0R5K	
R34	Wire wound	0.5	5W	RT5B 0R5K	
R35	Carbon film	10	½W	RD½PS 100J	
R36	Carbon film	10	½W	RD½PS 100J	
R37	Carbon film	10	½W	RD½PS 100J	
R38	Carbon film	10	½W	RD½PS 100J	
R39	Carbon film	56k		RD½PS 563J	
R40	Carbon film	18k		RD½PS 183J	
R41	Carbon film	6.8k		RD½PS 682J	
R42	Carbon film	5.6k		RD½PS 562J	
R43	Carbon film	56k		RD½PS 563J	
R44	Carbon film	51k		RD½PS 513J	

SEMICONDUCTORS

Symbol	Description			Part No.	
Q1	Transistor	2SA726-G or F (2SA763F-5 or 6) (2SA640-K or L)			
Q2	Transistor	2SA726-G or F (2SA763F-5 or 6) (2SA640-K or L)			
Q3	Transistor	2SA726-G or F (2SA763F-5 or 6) (2SA640-K or L)			
Q4	Transistor	2SA726-G or F (2SA763F-5 or 6) (2SA640-K or L)			
Q5	Transistor	2SC1451-V, B or G			
Q6	Transistor	2SC1451-V, B or G			
Q7	Transistor	2SD357-C or D			
Q8	Transistor	2SD357-C or D			
Q9	Transistor	2SB527-C or D			
Q10	Transistor	2SB527-C or D			

Continued on the Next Page

Parts List of Power Amplifier Assembly (AWH-033-0)

CAPACITORS

Symbol	Description			Part No.	
C1	Electrolytic	0.33	25V	CSSA R33M 25	
C2	Electrolytic	0.33	25V	CSSA R33M 25	
C3	Ceramic	56p	50V	CCDSL 560K 50	
C4	Ceramic	56p	50V	CCDSL 560K 50	
C5	Ceramic	120p	50V	CCDSL 121K 50	
C6	Ceramic	120p	50V	CCDSL 121K 50	
C7	Electrolytic	220	6V	CEA 221P 6	
C8	Electrolytic	220	6V	CEA 221P 6	
C9	Electrolytic	47	35V	CEA 470P 35	
C10	Electrolytic	47	35V	CEA 470P 35	
C11	Ceramic	15p	50V	CCDSL 150K 50	
C12	Ceramic	15p	50V	CCDSL 150K 50	
C13	Ceramic	180p	50V	CCDSL 181K 50	
C14	Ceramic	180p	50V	CCDSL 181K 50	
C15	Ceramic	180p	50V	CCDSL 181K 50	
C16	Ceramic	180p	50V	CCDSL 181K 50	
C17	Ceramic	0.04	50V	CKDYF 403Z 50	
C18	Ceramic	0.04	50V	CKDYF 403Z 50	
C19	Electrolytic	22	10V	CEA 220P 10	
C20	Electrolytic	22	10V	CEA 220P 10	

RESISTORS AND POTENTIOMETERS

Symbol	Description			Part No.	
VR1	Variable resistor, semi-fixed 100-B			C92-063-0	
VR2	Variable resistor, semi-fixed 100-B			C92-063-0	
VR3	Variable resistor, semi-fixed 10k-B			C92-049-0	
VR4	Variable resistor, semi-fixed 10k-B			C92-049-0	
R1	Carbon film	220k		RD¼PS 224J	
R2	Carbon film	220k		RD¼PS 224J	
R3	Carbon film	2.2k		RD¼PS 222J	
R4	Carbon film	2.2k		RD¼PS 222J	
R5	Carbon film	82k		RD¼PS 823J	
R6	Carbon film	82k		RD¼PS 823J	
R7	Carbon film	51k		RD¼PS 513J	
R8	Carbon film	51k		RD¼PS 513J	
R9	Carbon film	4.3k		RD¼PS 432J	
R10	Carbon film	4.3k		RD¼PS 432J	
R11	Carbon film	1.8k	½W	RD½PS 182J	
R12	Carbon film	1.8k	½W	RD½PS 182J	
R13	Carbon film	1.2k		RD¼PS 122J	
R14	Carbon film	1.2k		RD¼PS 122J	
R15	Carbon film	24k		RD¼PS 243J	
R16	Carbon film	24k		RD¼PS 243J	
R17	Carbon film	15k		RD¼PS 153J	
R18	Carbon film	15k		RD¼PS 153J	
R19	Carbon film	3.9k		RD¼PS 392J	
R20	Carbon film	3.9k		RD¼PS 392J	

2SA640
2SA763



2SA726



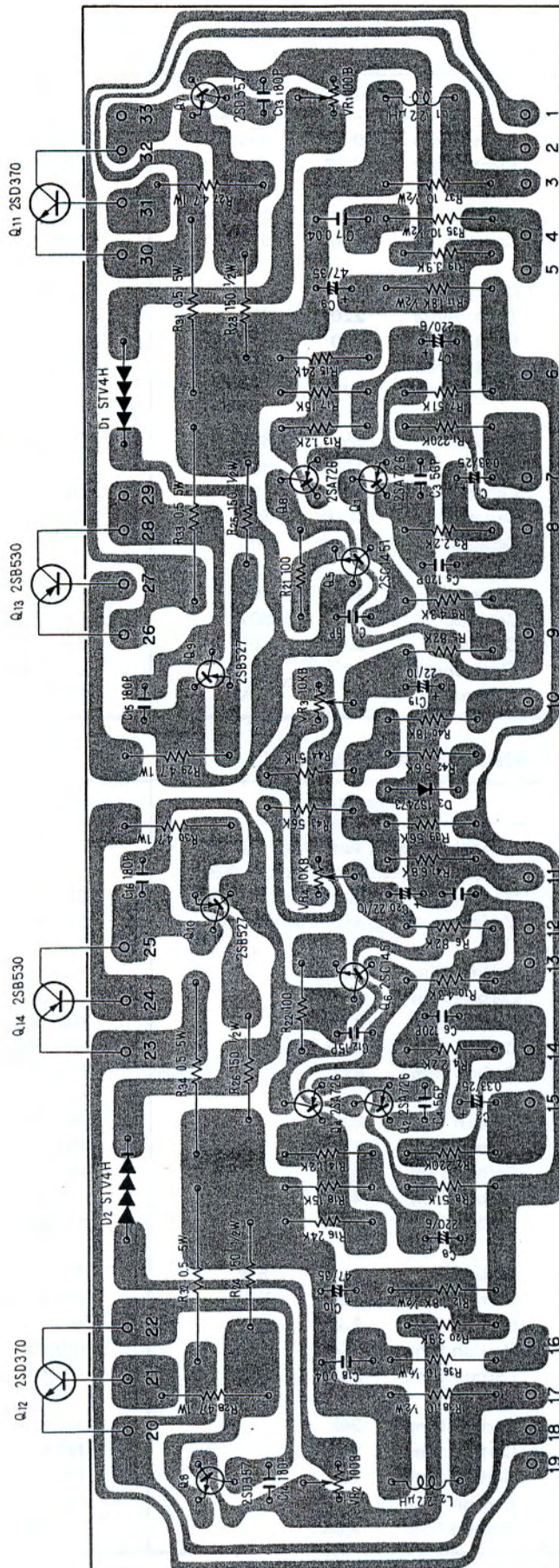
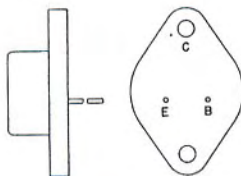
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2SD357
2SB527

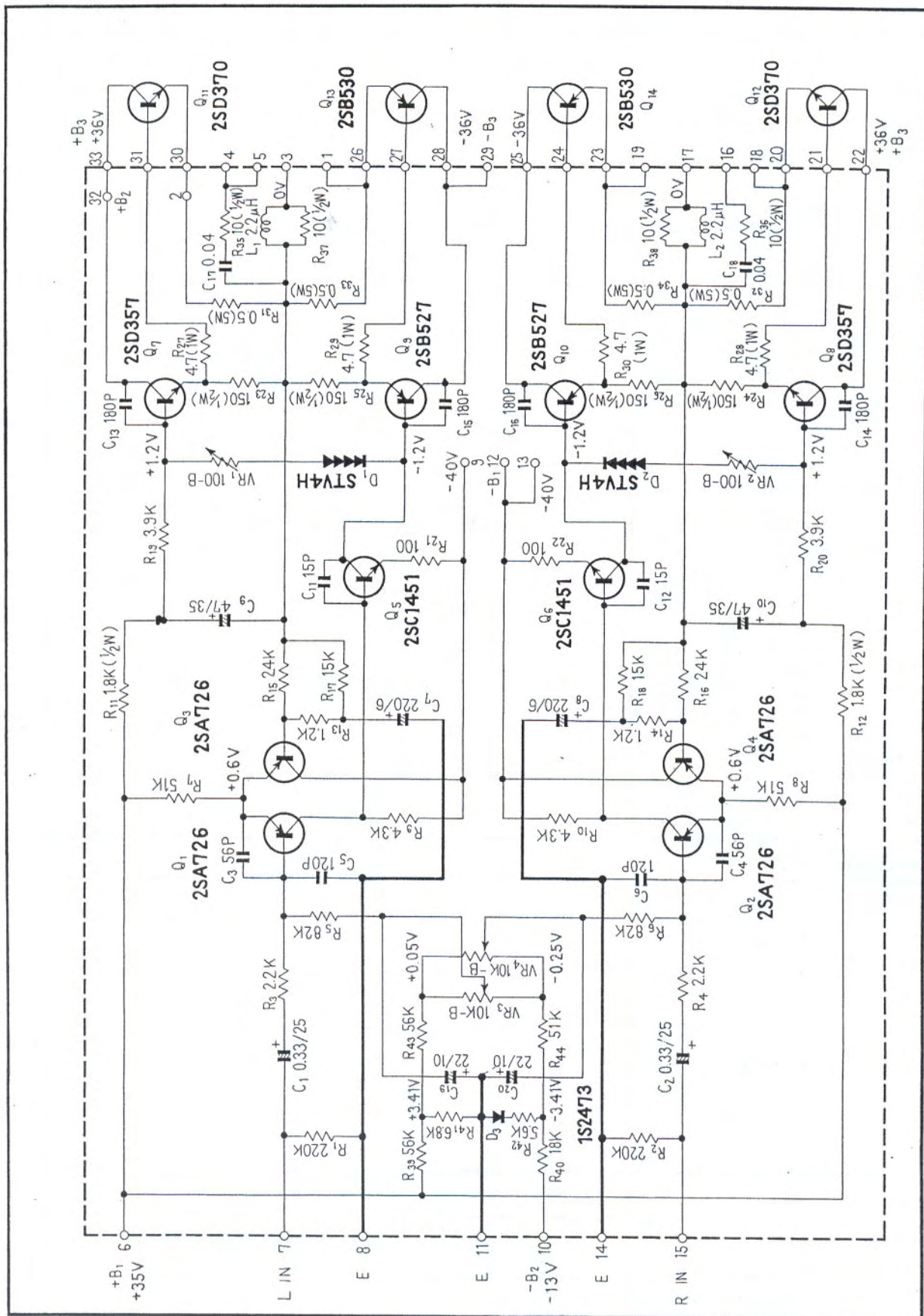


2SD370
2SD388
2SC1403
2SB530
2SB541
2SA745



Foil Side (AWH-033-0)

10.6 POWER AMPLIFIER ASSEMBLY (AWH-033-0)



Symbol	Description		Part No.	
R14	Carbon film	10k	RD¼PM 103J	
R15	Carbon film	10k	RD¼PM 103J	
R16	Carbon film	10k	RD¼PM 103J	
R17	Carbon film	100	RD¼PM 101J	
R18	Carbon film	100	RD¼PM 101J	
R19	Carbon film	15k	RD¼PM 153J	
R20	Carbon film	15k	RD¼PM 153J	
R21	Carbon film	5.6k	RD¼PM 562J	
R22	Carbon film	5.6k	RD¼PM 562J	
R23	Carbon film	10k	RD¼PM 103J	
R24	Carbon film	10k	RD¼PM 103J	
R25	Carbon film	15k	RD¼PM 153J	
R26	Carbon film	15k	RD¼PM 153J	
R27	Carbon film	5.6k	RD¼PM 562J	
R28	Carbon film	5.6k	RD¼PM 562J	
R29	Carbon film	820k	RD¼PM 824J	
R30	Carbon film	820k	RD¼PM 824J	
R31	Carbon film	100k	RD¼PM 104J	
R32	Carbon film	100k	RD¼PM 104J	
R33	Carbon film	6.8k	RD¼PM 682J	
R34	Carbon film	6.8k	RD¼PM 682J	
R35	Carbon film	680	RD¼PM 681J	
R36	Carbon film	680	RD¼PM 681J	
R37	Carbon film	100k	RD¼PM 104J	
R38	Carbon film	100k	RD¼PM 104J	
R39	Carbon film	120k	RD¼PM 124J	
R40	Carbon film	120k	RD¼PM 124J	
R41	Carbon film	3.3k	RD¼PM 332J	
R42	Carbon film	3.3k	RD¼PM 332J	
R43	Carbon film	470k	RD¼PM 474J	
R44	Carbon film	470k	RD¼PM 474J	
R45	Carbon film	1k	RD¼PM 102J	

SEMICONDUCTORS

Symbol	Description		Part No.	
Q1	Transistor	2SA726-F or G		
Q2	Transistor	2SA726-F or G		
Q3	Transistor	2SC1344-E or F (2SC1312-E, F or G)		
Q4	Transistor	2SC1344-E or F (2SC1312-E, F or G)		
Q5	Transistor	2SC1344-E or F (2SC1312-E, F or G)		
Q6	Transistor	2SC1344-E or F (2SC1312-E, F or G)		

SWITCHES

Symbol	Description		Part No.	
S1	Lever switch (turn over)		ASK-062-0	
S2	Lever switch (turn over)		ASK-062-0	

Parts List of Control Amplifier Assembly (AWG-030-0)

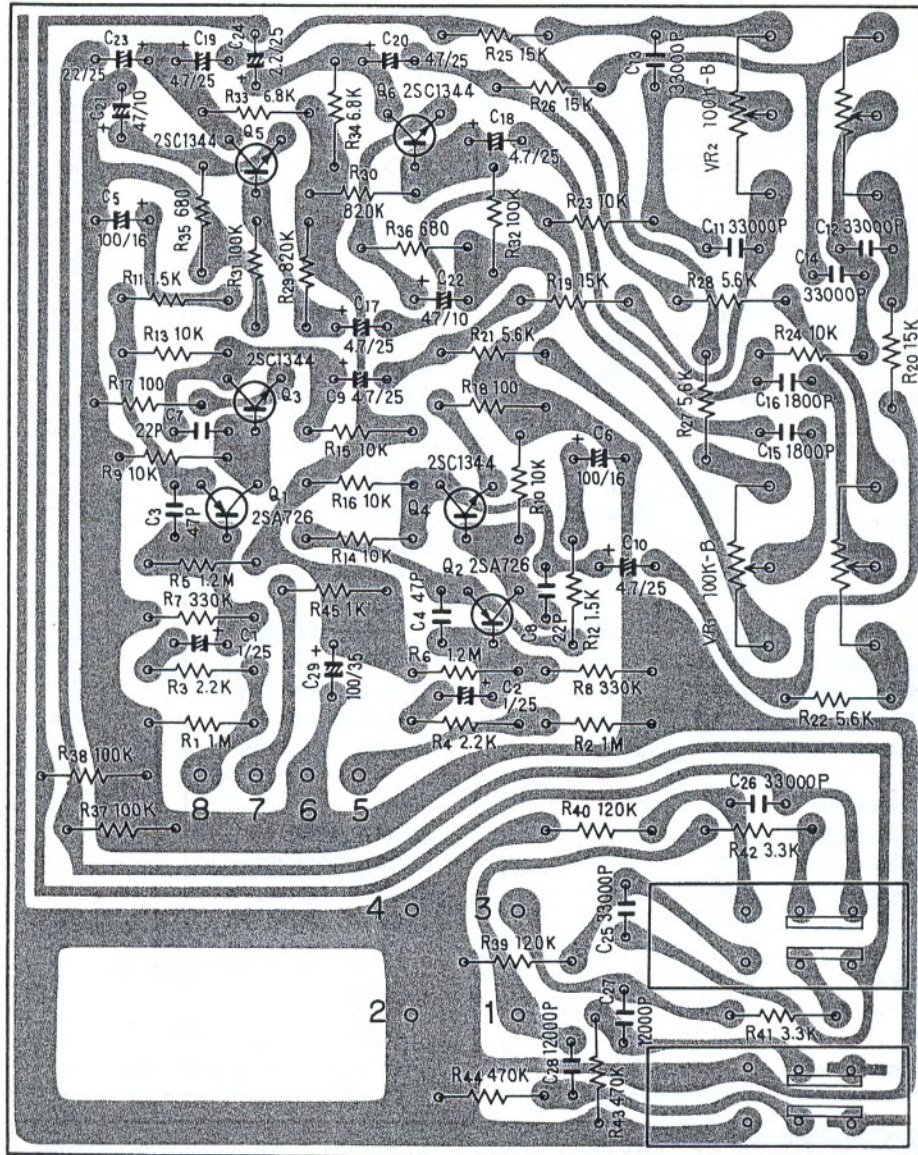
CAPACITORS

Symbol	Description			Part No.	
C1	Electrolytic	1	25V	CSZA 010M 25	
C2	Electrolytic	1	25V	CSZA 010M 25	
C3	Ceramic	47p	50V	CCDSL 470K 50	
C4	Ceramic	47p	50V	CCDSL 470K 50	
C5	Electrolytic	100	16V	CEA 101P 16	
C6	Electrolytic	100	16V	CEA 101P 16	
C7	Ceramic	22p	50V	CCDSL 220K 50	
C8	Ceramic	22p	50V	CCDSL 220K 50	
C9	Electrolytic	4.7	25V	CEANL 4R7P 25	
C10	Electrolytic	4.7	25V	CEANL 4R7P 25	
C11	Mylar	0.033	50V	CQMA 333J 50	
C12	Mylar	0.033	50V	CQMA 333J 50	
C13	Mylar	0.033	50V	CQMA 333J 50	
C14	Mylar	0.033	50V	CQMA 333J 50	
C15	Mylar	0.0018	50V	CQMA 182J 50	
C16	Mylar	0.0018	50V	CQMA 182J 50	
C17	Electrolytic	4.7	25V	CEANL 4R7P 25	
C18	Electrolytic	4.7	25V	CEANL 4R7P 25	
C19	Electrolytic	4.7	25V	CEANL 4R7P 25	
C20	Electrolytic	4.7	25V	CEANL 4R7P 25	
C21	Electrolytic	47	10V	CEA 470P 10	
C22	Electrolytic	47	10V	CEA 470P 10	
C23	Electrolytic	2.2	25V	CSSA 2R2M 25	
C24	Electrolytic	2.2	25V	CSSA 2R2M 25	
C25	Mylar	0.033	50V	CQMA 333J 50	
C26	Mylar	0.033	50V	CQMA 333J 50	
C27	Mylar	0.012	50V	CQMA 123J 50	
C28	Mylar	0.012	50V	CQMA 123J 50	
C29	Electrolytic	100	35V	CEA 101P 35	

RESISTORS AND POTENTIOMETERS

Symbol	Description			Part No.	
VR1	Variable resistor	100k-B(treble)		ACV-136-0	
VR2	Variable resistor	100k-B(bass)		ACV-136-0	
R1	Carbon film	1M		RD%PM 105J	
R2	Carbon film	1M		RD%PM 105J	
R3	Carbon film	2.2k		RD%PM 222J	
R4	Carbon film	2.2k		RD%PM 222J	
R5	Carbon film	1.2M		RD%PM 125J	
R6	Carbon film	1.2M		RD%PM 125J	
R7	Carbon film	330k		RD%PM 334J	
R8	Carbon film	330k		RD%PM 334J	
R9	Carbon film	10k		RD%PM 103J	
R10	Carbon film	10k		RD%PM 103J	
R11	Carbon film	1.5k		RD%PM 152J	
R12	Carbon film	1.5k		RD%PM 152J	
R13	Carbon film	10k		RD%PM 103J	

Foil Side (AWG-030-0)



Parts List of Microphone Amplifier Assembly (AWM-066-0)
CAPACITORS

Symbol	Description			Part No.	
C1	Ceramic	0.01	50V	CKDYF 103Z 50	
C2	Electrolytic	220	35V	CEA 221P 35	
C3	Electrolytic	0.47	16V	CSSA R47M 16	
C4	Ceramic	100p	50V	CCDSL 101K 50	
C5	Ceramic	30p	50V	CCDSL 300K 50	
C6	Electrolytic	220	6V	CEA 221P 6	
C7	Electrolytic	0.47	50V	CEANL R47P 50	

RESISTORS

Symbol	Description			Part No.	
R1	Carbon film	1k		RD¼PM 102J	
R2	Carbon film	91k		RD¼PM 913J	
R3	Carbon film	180k		RD¼PM 184J	
R4	Carbon film	120k		RD¼PM 124J	
R5	Carbon film	1k		RD¼PM 102J	
R6	Carbon film	62k		RD¼PM 623J	
R7	Carbon film	300k		RD¼PM 304J	
R8	Carbon film	18k		RD¼PM 183J	
R9	Carbon film	2.7k		RD¼PM 272J	
R10	Carbon film	2.2k		RD¼PM 222J	
R11	Carbon film	68k		RD¼PM 683J	

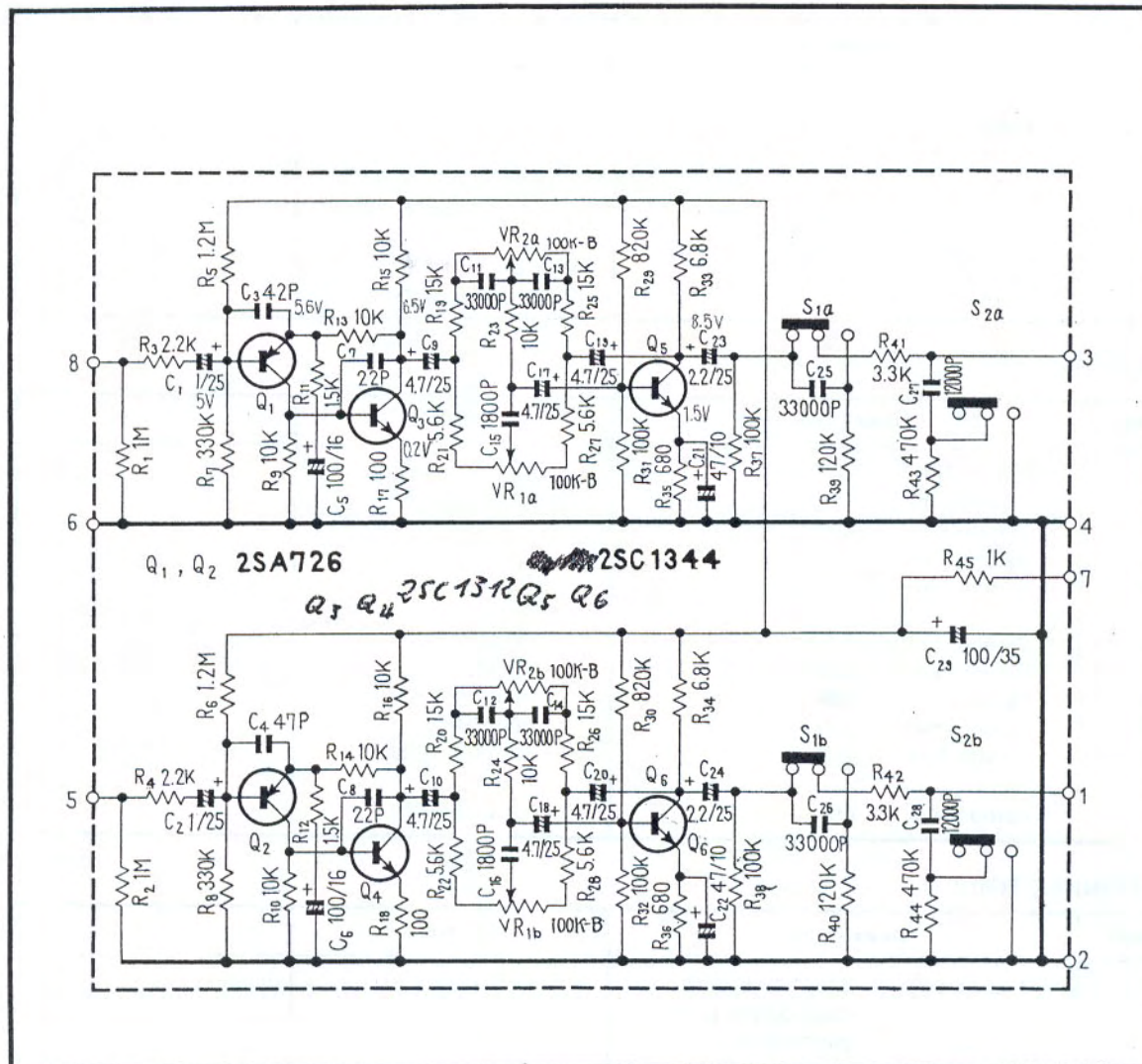
SEMICONDUCTORS

Symbol	Description			Part No.	
Q1	Transistor	2SC1344-E or D (2SC1312-G or F)			
Q2	Transistor	2SC1344-E or D (2SC1312-G or F)			

OTHERS

Symbol	Description	Part No.	
	Phone jack (microphone)	AKN-007-0	

10.5 CONTROL AMPLIFIER ASSEMBLY (AWG-030-0)



2SA726
2SC1312



2SC1344

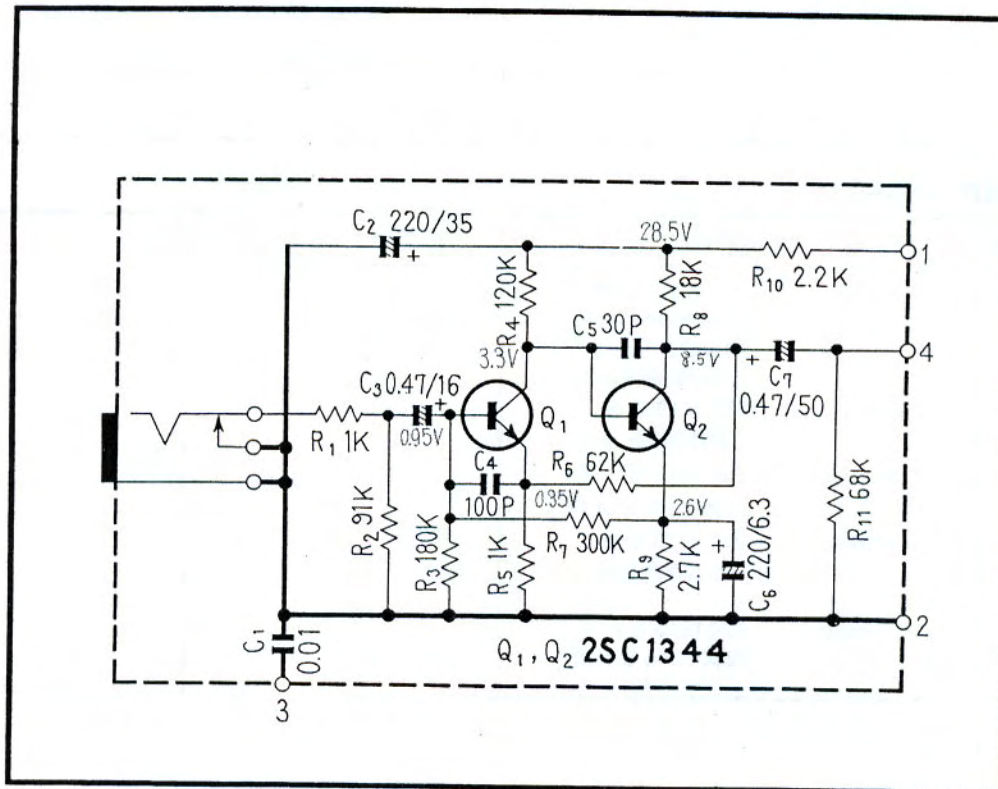


Symbol	Description	Part No.	
R21	Carbon film 1k	RD¼PS 102J	
R22	Carbon film 1k	RD¼PS 102J	
R23	Carbon film 560k	RD¼PS 564JNL	
R24	Carbon film 560k	RD¼PS 564JNL	
R25	Carbon film 91k	RD¼PS 913J	
R26	Carbon film 91k	RD¼PS 913J	
R27	Carbon film 110k	RD¼PS 114J	
R28	Carbon film 110k	RD¼PS 114J	

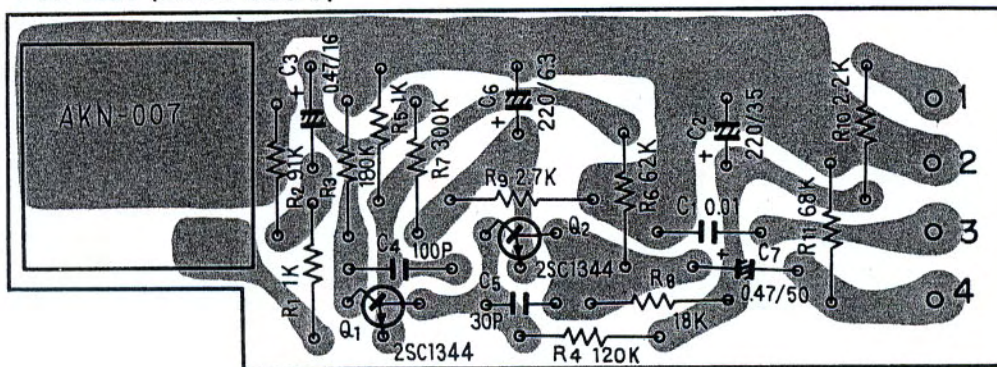
SEMICONDUCTORS

Symbol	Description	Part No.	
Q1	Transistor 2SA725-F or G (2SA763P-5 or 6)		
Q2	Transistor 2SA725-F or G (2SA763P-5 or 6)		
Q3	Transistor 2SC1313-G or F (2SC1345-E or D)		
Q4	Transistor 2SC1313-G or F (2SC1345-E or D)		
Q5	Transistor 2SC1313-G or F (2SC1345-E or D)		
Q6	Transistor 2SC1313-G or F (2SC1345-E or D)		

10.4 MICROPHONE AMPLIFIER ASSEMBLY (AWM-066-0)



Foil Side (AWM-066-0)



2SC1312



2SC1344



SX-737**DUCTORS**

Description		Part No.	
FET	3SK45-B		
Transistor	2SC535-B or A		
Transistor	2SC535-B or A		
Transistor	2SC461-B		
IC	HA1137		
IC	HA1138		
IC	HA1156		
Transistor	2SA725-F or G (2SA763P-5 or 6)		
Transistor	2SA725-F or G (2SA763P-5 or 6)		
Transistor	2SC945-Q or R		
Transistor	2SC945-Q or R		
Diode	1S2076		
Diode	1S2076		

FORMERS, COILS AND FILTERS

Description		Part No.	
FM antenna coil		ATC-021-0	
FM RF coil		ARC-015-0	
FM RF coil		ATC-016-0	
FM OSC coil		ATC-022-0	
FM matching transformer		ATE-008-0	
FM IF transformer		T73-035-A	
AM OSC coil		ATB-013-0	
FM ceramic filter		ATF-013-0	
FM ceramic filter		ATF-013-0	
AM ceramic filter		ATF-009-0	
RF choke coil		T24-028-A	
Choke coil		ATH-007-0	
RF choke coil		T24-028-A	
RF choke coil		T24-028-A	
RF choke coil		T24-028-A	

SEMIC

Symbol

Q1
Q2
Q3
Q4
Q5

Q6
Q7
Q8

Q9

Q10

Q11

D1
D2

TRANS

Symbol

T1
T2
T3
T4
T5

T6
T7
F1
F2
F3

L1
L2
L3
L4
L5

Symbol	Description	Part No.
R21	Carbon film 330	RD¼PS 331J
R22	Carbon film 560k	RD¼PS 564J
R23	Carbon film 12k	RD¼PS 123J
R24	Carbon film 2.2k	RD¼PS 222J
R25	Carbon film 750	RD¼PS 751J
R26	Carbon film 10k	RD¼PS 103J
R27	Carbon film 16k	RD¼PS 163J
R28	Carbon film 2.4k	RD¼PS 242J
R29	Carbon film 2.2k	RD¼PS 222J
R30	Carbon film 47k	RD¼PS 473J
R31	Carbon film 100k	RD¼PS 104J
R32	Carbon film 68k	RD¼PS 683J
R33	Carbon film 10k	RD¼VS 103J
R34	Carbon film 2.7k	RD¼PS 272J
R35	Carbon film 2.7k	RD¼PS 272J
R36	Carbon film 150	RD¼PS 151J
R37	Carbon film 3.3k	RD¼PS 332J
R38	Carbon film 100k	RD¼PS 104J
R39	Carbon film 8.2k	RD¼PS 822J
R40	Carbon film 8.2k	RD¼PS 822J
R41	Carbon film 10k	RD¼PS 103J
R42	Carbon film 10k	RD¼PS 103J
R43	Carbon film 5.1k	RD¼PS 512J
R44	Carbon film 5.1k	RD¼PS 512J
R45	Carbon film 1k	RD¼PS 102J
R46	Carbon film 1k	RD¼PS 102J
R47	Carbon film 47k	RD¼PS 473J
R48	Carbon film 220k	RD¼PS 224J
R49	Carbon film 220k	RD¼PS 224J
R50	Carbon film 3.3k	RD¼PS 332J
R51	Carbon film 22k	RD¼PS 223J
R52	Carbon film 680	RD¼PS 681J
R53	Carbon film 2.2k	RD¼PS 222J
R54	Carbon film 24k	RD¼PS 243J
R55		
R56	Carbon film 100	RD¼PS 101J
R57	Carbon film 47	RD¼PS 470J
R58	Carbon film 100	RD¼PS 101J
R59	Carbon film 5.6k	RD¼VS 562J
R60	Carbon film 100k	RD¼PS 104J
R61	Carbon film 1M	RD¼PS 105J
R62		
R63	Carbon film 1k	RD¼PS 102J
R64	Carbon film 15k	RD¼PS 153J
VR1	Variable resistor, semi-fixed 50k-B	ACP-043-0
VR2	Variable resistor, semi-fixed 4.7k-B	C92-051-0

Equalizer Amplifier Assembly (AWF-011-0)

Description			Part No.	
Electrolytic	1	25V	CSSA 101M 25	
Electrolytic	1	25V	CSSA 101M 25	
Ceramic	100p	50V	CCDSL 101K 50	
Ceramic	100p	50V	CCDSL 101K 50	
Ceramic	82p	50V	CCDSL 820K 50	
Ceramic	82p	50V	CCDSL 820K 50	
Electrolytic	330	6V	CEA 331P 6	
Electrolytic	330	6V	CEA 331P 6	
Ceramic	4p	50V	CCDSL 040D 50	
Ceramic	4p	50V	CCDSL 040D 50	
Electrolytic	3.3	25V	CEANL 3R3P 25	
Electrolytic	3.3	25V	CEANL 3R3P 25	
Carbon	0.0051	50V	CQSA 512G 50	
Carbon	0.0051	50V	CQSA 512G 50	
Carbon	0.0015	50V	CQSA 152G 50	
Carbon	0.0015	50V	CQSA 152G 50	
Electrolytic	100	25V	CEA 101P 25	
Electrolytic	220	16V	CEA 221P 16	

Description			Part No.	
Carbon film	3.3k		RD4PS 332J	
Carbon film	3.3k		RD4PS 332J	
Carbon film	68k		RD4PS 683J	
Carbon film	68k		RD4PS 683J	
Carbon film	150k		RD4PS 154J	
Carbon film	150k		RD4PS 154J	
Carbon film	1k		RD4PS 102J	
Carbon film	1k		RD4PS 102J	
Carbon film	18k		RD4PS 183J	
Carbon film	18k		RD4PS 183J	
Carbon film	36k		RD4PS 363J	
Carbon film	36k		RD4PS 363J	
Carbon film	6.8k		RD4PS 682J	
Carbon film	6.8k		RD4PS 682J	
Carbon film	2.2k		RD4PS 222J	
Carbon film	2.2k		RD4PS 222J	
Carbon film	5.6k		RD4PS 562J	
Carbon film	5.6k		RD4PS 562J	
Carbon film	470k		RD4PS 474JNL	
Carbon film	470k		RD4PS 474JNL	

10.3 EQUALIZER AMPLIFIER ASSEMBLY (AWF-011-0)

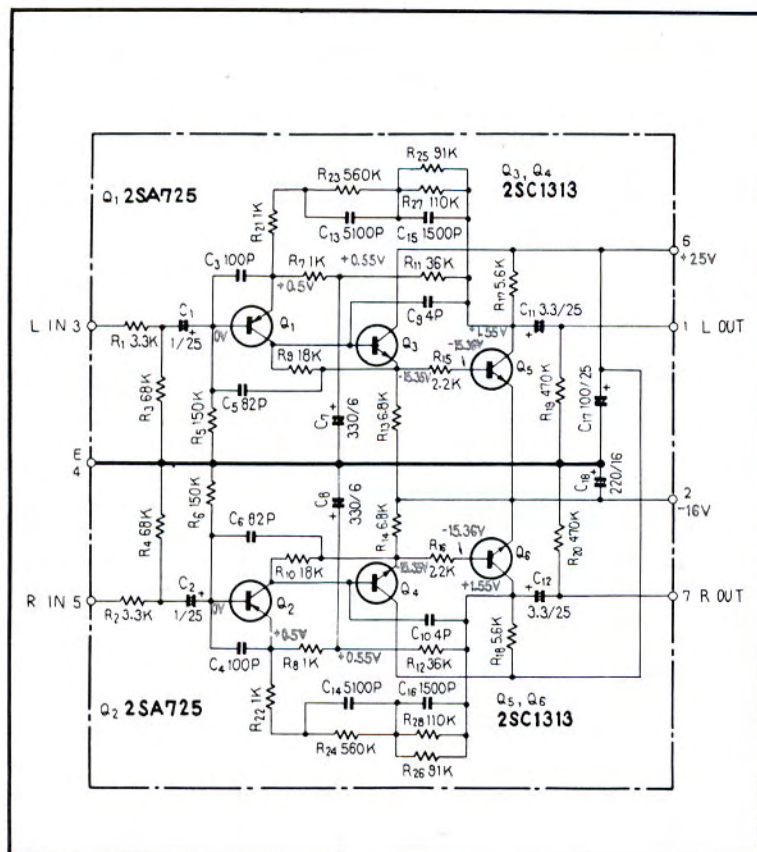
Parts List of

CAPACITORS

Symbol	
C1	E
C2	E
C3	C
C4	C
C5	C
C6	C
C7	E
C8	E
C9	C
C10	C
C11	E
C12	E
C13	S
C14	S
C15	S
C16	S
C17	E
C18	E

RESISTORS

Symbol	
R1	C
R2	C
R3	C
R4	C
R5	C
R6	C
R7	C
R8	C
R9	C
R10	C
R11	C
R12	C
R13	C
R14	C
R15	C
R16	C
R17	C
R18	C
R19	C
R20	C



2SA725
2SC1313



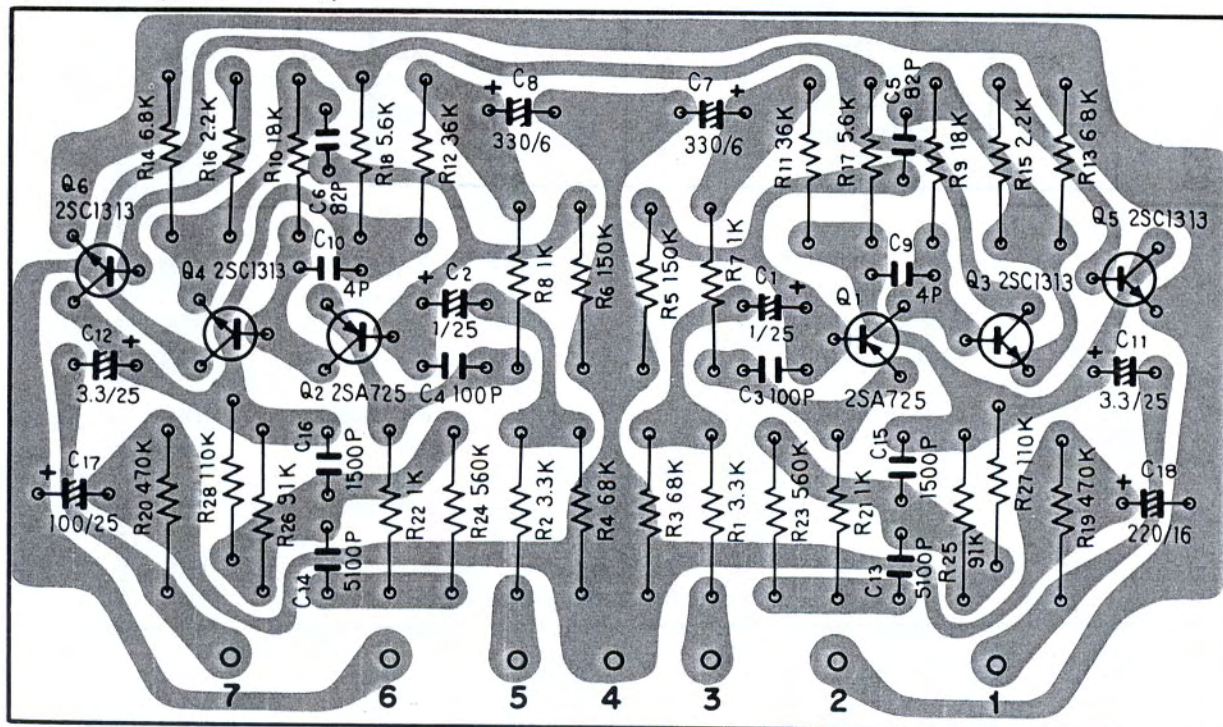
2SC1345



2SA763P



Foil Side (AWF-011-0)



Description			Part No.	
mic	560p	50V	CKDYB 561K 50	
mic	0.0015	50V	CKDYB 152K 50	
mic	0.0015	50V	CKDYB 152K 50	
rolytic	0.47	50V	CEA R47P 50	
rolytic	0.47	50V	CEA R47P 50	
mic	0.01	50V	CKDYB 103K 50	
mic	0.01	50V	CKDYB 103K 50	
mic	0.04	50V	CKDYF 403Z 50	
mic	8p	50V	CCDXL 080F 50	
l	300p	50V	CQSA 301J 50	
r	0.01	50V	CQMA 103K 50	
mic	0.04	50V	CKDYF 403Z 50	
rolytic	4.7	25V	CEA 4R7P 25	
rolytic	47	6V	CEA 470P 6	
mic	220p	50V	CCDSL 221K 50	
mic	0.01	50V	CKDYF 103Z 50	
mic	0.01	50V	CKDYF 103Z 50	
rolytic	10	16V	CEA 100P 16	
mic	0.04	50V	CKDYF 403Z 50	
rolytic	0.1	25V	CSSA 0R1M 25	
rolytic	220	16V	CEA 221P 16	
rolytic	100	16V	CEA 101P 16	

POTENTIOMETERS

Description		Part No.	
on film	1M	RD%PS 105J	
on film	5.6k	RD%PS 562J	
on film	1.8k	RD%VS 182J	
on film	27	RD%VS 270J	
on film	150	RD%VS 151J	
on film	10k	RD%VS 103J	
on film	2.7k	RD%VS 272J	
on film	8.2k	RD%VS 822J	
on film	100	RD%PS 101J	
on film	22k	RD%VS 22K	
on film	4.7k	RD%PS 472J	
on film	1k	RD%PS 102J	
on film	22	RD%VS 220J	
on film	100	RD%PS 101J	
on film	10k	RD%PS 103J	
on film	330	RD%PS 331J	
on film	1.8k	RD%PS 182J	
on film	330	RD%PS 331J	
on film	2.2k	RD%PS 222J	

Parts List of Tuner Assembly (AWE-043-0)

CAPACITORS

Symbol	Description			Part No.	
VC	Tuning capacitor			ACK-005-0	
TC	Ceramic trimmer			C43-007-0	
C1	Ceramic	15p	50V	CCDSH 150K 50	
C2	Ceramic	100p	50V	CCDSL 101K 50	
C3	Ceramic	0.01	50V	CKDYF 103Z 50	
C4	Ceramic	0.01	50V	CKDYF 103Z 50	
C5	Ceramic	2p	50V	CCDSL 020C 50	
C6	Ceramic	0.01	50V	CKDYF 103Z 50	
C7	Ceramic	18p	50V	CCDSH 180K 50	
C8	Ceramic	18p	50V	CCDSH 180K 50	
C9	Ceramic	2p	50V	CCDSL 020C 50	
C10	Ceramic	100p	50V	CCDSL 101K 50	
C11	Ceramic	0.47p	50V	CGB R47K 50	
C12	Ceramic	0.01	50V	CKDYF 103Z 50	
C13	Ceramic	0.01	50V	CKDYF 103Z 50	
C14	Ceramic	0.01	50V	CKDYB 103K 50	
C15	Ceramic	8p	50V	CCDCH 080F 50	
C16	Ceramic	15p	50V	CCDLH 150K 50	
C17	Ceramic	33p	50V	CCDCH 330K 50	
C18	Ceramic	15p	50V	CCDCH 150K 50	
C19	Ceramic	0.01	50V	CKDYF 103Z 50	
C20	Ceramic	0.01	50V	CKDYF 103Z 50	
C21	Ceramic	0.01	50V	CKDYF 103Z 50	
C22	Ceramic	0.047	25V	CKDBC 473Z 25	
C23	Ceramic	0.01	50V	CKDYF 103Z 50	
C24	Ceramic	0.047	25V	CKDBC 473Z 25	
C25	Electrolytic	4.7	25V	CEA 4R7P 25	
C26	Ceramic	33p	50V	CCDSL 330K 50	
C27	Electrolytic	10	16V	CEA 100P 16	
C28	Electrolytic	0.47	50V	CEA R47P 50	
C29	Ceramic	150p	50V	CCDSL 151K 50	
C30	Ceramic	0.047	25V	CKDBC 473Z 25	
C31	Ceramic	0.01	50V	CKDYF 103Z 50	
C32	Ceramic	0.01	50V	CKDYF 103Z 50	
C33	Electrolytic	1	50V	CEA 010P 50	
C34	Ceramic	0.047	25V	CKDBC 473Z 25	
C35	Ceramic	0.047	25V	CKDBC 473Z 25	
C36	Mylar	0.047	50V	CQMA 473K 50	
C37	Styrol	510p	50V	CQSH 511J 50	
C38	Electrolytic	0.33	10V	CSSA R33M 10	
C39	Electrolytic	1	10V	CSSA 010M 10	
C40	Electrolytic	0.47	10V	CSSA R47M 10	
C41	Mylar	0.018	50V	CQMA 183J 50	
C42	Mylar	0.018	50V	CQMA 183J 50	
C43	Ceramic	0.0022	50V	CKDYB 222K 50	
C44	Ceramic	0.0022	50V	CKDYB 222K 50	
C45	Ceramic	560p	50V	CKDYB 561K 50	

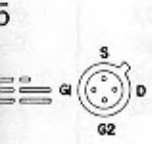
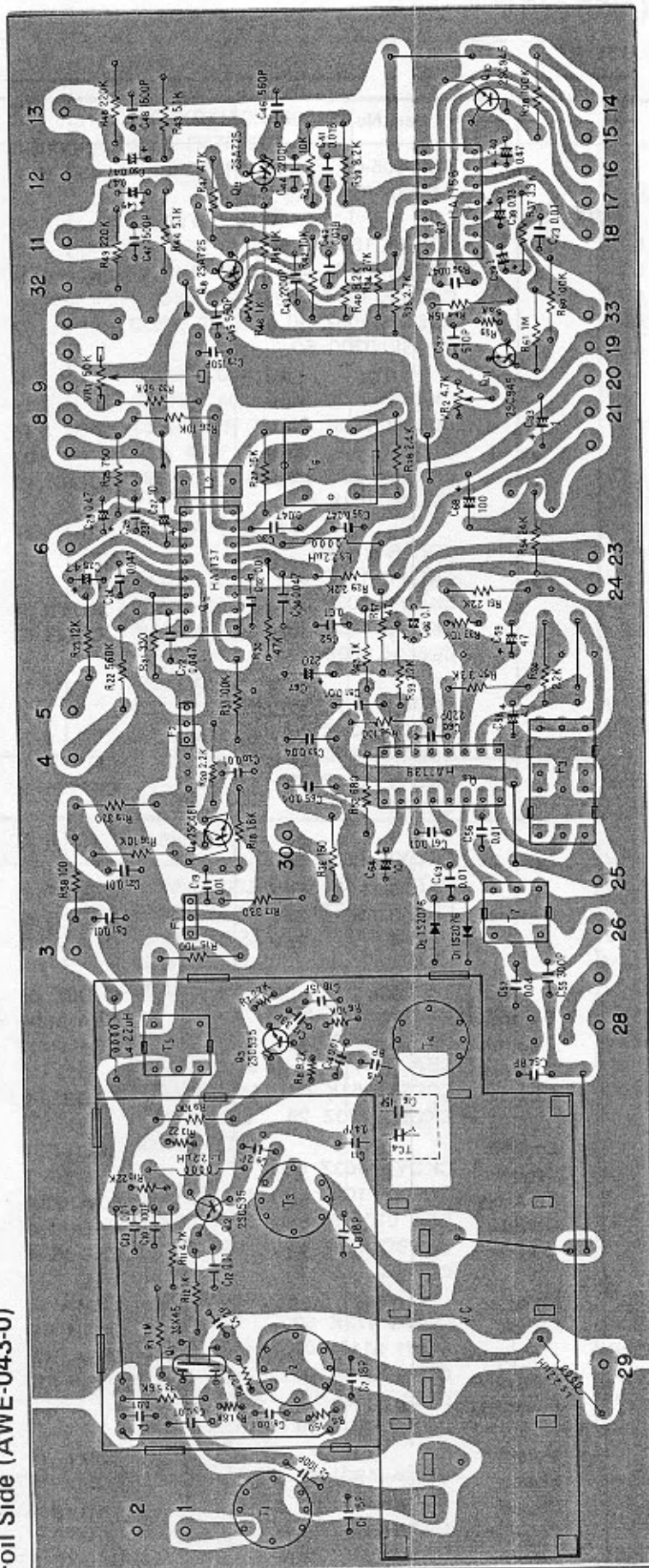
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C47	Cer
C48	Cer
C49	Elec
C50	Elec
C51	Cer
C52	Cer
C53	Cer
C54	Cer
C55	Styr
C56	Myl
C57	Cer
C58	Elec
C59	Elec
C60	Cer
C61	Cer
C62	
C63	Cer
C64	Elec
C65	Cer
C66	Elec
C67	Elec
C68	Elec

RESISTORS AND

Symbol	
R1	Carl
R2	Carl
R3	Carl
R4	Carl
R5	Carl
R6	Carl
R7	Carl
R8	Carl
R9	Carl
R10	Carl
R11	Carl
R12	Carl
R13	Carl
R14	
R15	Carl
R16	Carl
R17	Carl
R18	Carl
R19	Carl
R20	Carl

SX-737

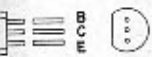
Foil Side (AWE-043-0)



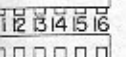
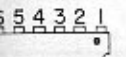
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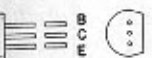


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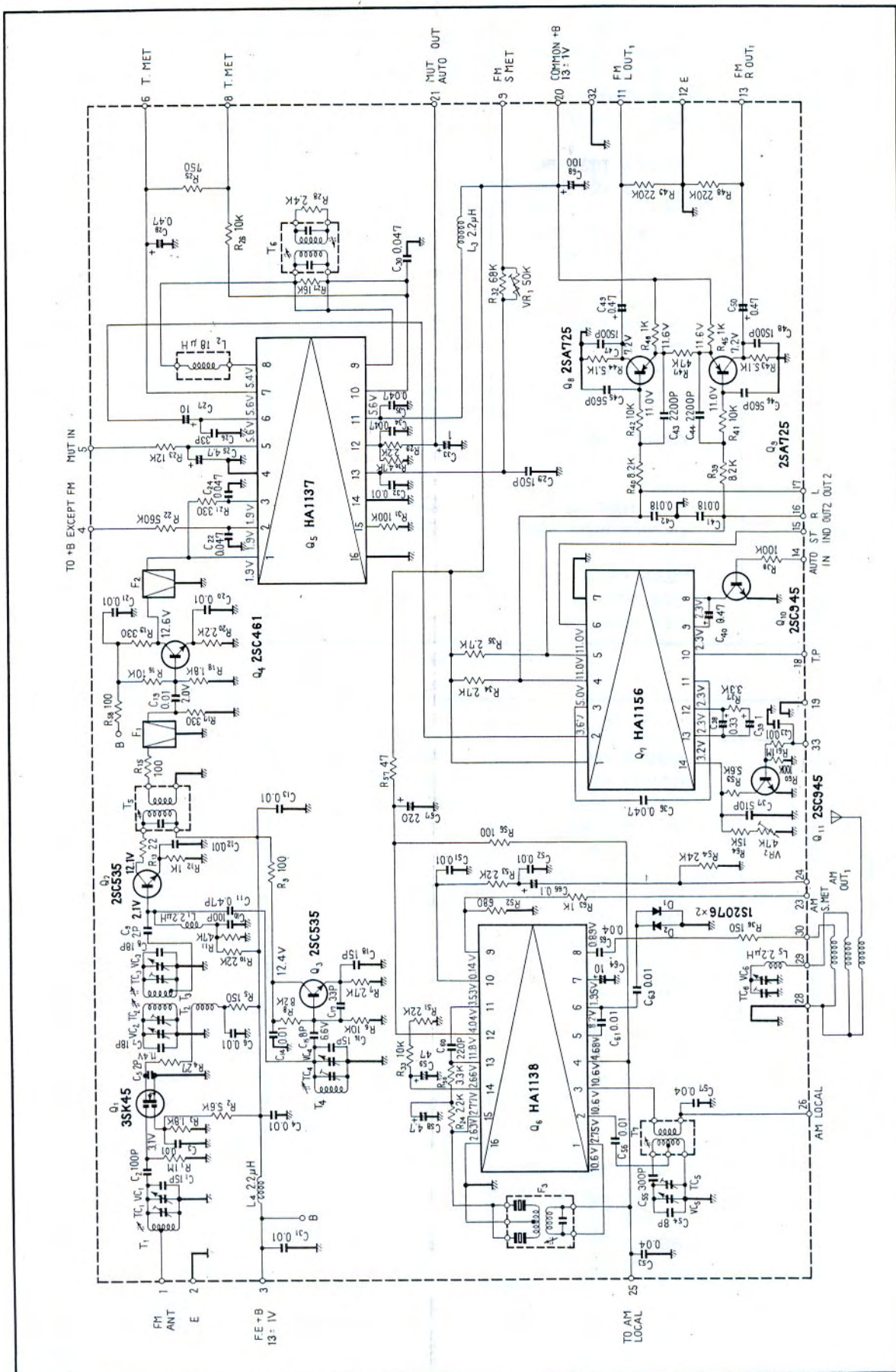
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34567

725



10.2 TUNER ASSEMBLY (AWE-043-0)



3SK4

2SC5
2SC4

2SA7
2SC9

HA1
HA1

87
910

HA1
413

12

2SA

NOTICE: Any parts asterisked (*) are subject to being not supplied.

Key No.	Description	Part No.	
71	Antenna clamper	AEC-154-0	
72	AC cord grommet	AEC-079-0	
73	Ferrite antenna holder assembly	AXB-001-A	
74	Ferrite loopstick antenna	ATB-026-0	
75	Binding post for ground	AKE-017-0	
76	Tuner assembly	AWE-043-0	
77	Tuning pulley assembly	AXA-058-A	
78*	Wire supporter	M45-105-C	
79*	P.C. board-held metal-A	ANF-237-C	
80*	P.C. board-held metal-B	ANF-238-C	
81*	Bottom plate	ANE-058-0	
82	Dial pointer	AAF-020-0	
83	Screw	ABA-012-0	
84	Pilot lamp 8V,50mA(program indicator)	AEL-023-0	
85	Slide switch (de-emphasis)	ASH-008-0	GN
86	Small pulley	AEC-017-0	
87	Terminal strip (2P)	AKC-023-0	GN

NOTICE: Any parts asterisked (*) are subject to being not supplied.

Key No.	Description	Part No.	
31	Knob (mode, FM muting)	AAD-054-0	
32	Spacer	AEC-152-B	
33	Bush	AEC-160-0	
34 *	Sponge rubber	AEC-119-0	
35	Nut (insulator)	AEC-085-0	
36	Spacer (insulator)	E32-045-0	
37	Lever switch (power)	ASK-066-0	KCU
	Lever switch (power)	ASK-067-0	F
	Lever switch (power)	ASK-068-0	GN
38	Speaker switch circuit assembly	AWS-076-0	
39	Control amplifier assembly	AWG-030-0	
40 *	Wire clip-A	AEC-004-0	
41 *	Wire clip-B	AEC-005-0	
42	Ground terminal strip (4P)	K13-047-0	
43	Tuning shaft assembly	AXA-057-0	
44	Push switch circuit assembly	AWS-077-0	
45	Microphone amplifier assembly	AWM-066-0	
46	Relay	ASR-007-0	
47	Switch & volume circuit assembly	AWX-071-0	
48	Power supply circuit assembly	AWR-057-0	KCU, F
	Power supply circuit assembly	AWR-058-0	GN
49 *	P.C. board holder	AEB-019-0	
50	Screw M4 x 15	ABA-010-A	
51	Washer	B21-011-0	
52	Wooden cabinet	AMM-040-0	
53	AC power cord	ADG-005-A	KCU
	AC power cord	ADG-004-0	F
54	AC cord grommet	AEC-079-0	KCU, F
	Connector (AC power)	AKP-008-0	GN
55 *	Rear panel	ANC-118-0	KCU
	Rear panel	ANC-119-0	F
	Rear panel	ANC-120-0	GN
56	Speaker output terminal	AKA-001-0	
57	AC socket	AKP-004-0	KCU, F
58	Fuse holder (AC power)	AKR-007-0	KCU
	Fuse holder (AC power)	AKR-001-0	F
59 *	Wire supporter	M45-105-C	
60	Ground terminal strip (2P)	K13-048-0	
61 *	Wire clip	AEC-064-0	
62	Equalizer amplifier assembly	AWF-011-0	
63	Protection circuit assembly	AWM-025-C	
64	Foot assembly	AEC-061-A	
65 *	Chassis	ANA-069-A	
66	5P connector assembly	AWX-062-0	
67	Phono jack-A (4 jacks)	AKB-014-0	
68	Phono jack-B (4 jacks)	AKB-015-0	
69	Antenna terminal board	AKA-002-0	
70 *	Model name plate	AAL-183-0	KCU
	Model name plate	AAL-203-0	F
	Model name plate	AAL-185-0	GN

Continued on the Next Page

Symbol	Description	Part No.	
	Tuning pulley assembly	AXA-058-A	
	Tuning shaft assembly	AXA-057-0	
	Foot assembly	AEC-061-A	
	Knob (tuning)	AAA-024-0	
	Knob (power, filter, tape monitor, loudness)	AAD-040-B	
	Knob (volume, balance, bass, treble, function, rec selector)	AAB-068-0	
	Knob (mode, FM muting)	AAD-054-0	
	Dial scale	AAG-079-A	
	Dial pointer assembly	AAF-020-0	
	Meter (signal & tuning)	AAW-032-0	
	Knob (speakers)	AAD-082-B	
	Antenna terminal board	AKA-002-0	
	Speaker output terminal	AKA-001-0	
	Phono jack-A (4 jacks)	AKB-014-0	
	Phono jack-B (4 jacks)	AKB-015-0	
	Pilot lamp 8V, 50mA (program indicator)	AEL-023-0	
	Binding post for ground	AKE-017-0	
	Pilot lamp 8V, 0.3A (dial scale)	E22-032-0	
	Pilot lamp 8V, 50mA (program indicator)	AEL-022-0	
F1	Fuse 3A (protection)	AEK-101-0	KCU, F
	Fuse 3.15A (protection)	AEK-042-0	GN
F2	Fuse 1A (protection)	AEK-106-0	KCU, F
	Fuse 1A (protection)	E21-031-0	GN
F3	Fuse 1A (protection)	AEK-106-0	KCU, F
	Fuse 1A (protection)	E21-031-0	GN
F4	Fuse 1A (protection)	AEK-106-0	KCU, F
	Fuse 1A (protection)	E21-031-0	GN
F5	Fuse 3A (AC power)	AEK-101-0	KCU
	Fuse 1.5A (AC power)	AEK-104-0	F
	Fuse 1.6A (protection)	AEK-013-0	GN
F6	Fuse 3A (protection)	AEK-003-0	KCU
	Fuse holder (AC power)	AKR-007-0	KCU
	Fuse holder (AC power)	AKR-001-0	F
	Connector (AC power)	AKP-008-0	GN
	Fuse holder (protection)	K91-008-0	GN
	Phone jack (headphone)	K72-026-0	
	AC socket	AKP-004-0	KCU, F
	Pilot lamp socket	AKK-002-0	
	AC power cord	ADG-005-A	KCU
	AC power cord	ADG-004-0	F
	Washer	B21-011-0	
	Screw M4 x 15	ABA-010-A	
	FM T-type antenna	ADH-002-0	
	Operating instructions (English)	ARB-105-0	
	Operating instructions (French/German)	ARD-069-0	
	Packing case	AHD-223-0	
	Inside packing	AHC-015-0	
	Side pad	AHA-068-0	

Miscellaneous Parts

- CAPACITORS: IN μ F UNLESS OTHERWISE NOTED p: pF
- RESISTORS: IN Ω , $\frac{1}{4}$ W UNLESS OTHERWISE NOTED k: k Ω , M: M Ω

CAPACITORS

Symbol	Description			Part No.	
C1	Ceramic	0.01	50V	CKDYF 103Z 50	
C2	Electrolytic	6,800	50V	ACH-014-0	
C3	Electrolytic	6,800	50V	ACH-014-0	
C4	Ceramic	0.01	250V	ACG-003-0	KCU
	Ceramic	0.01	250V	ACG-001-0	F, GN
C5	Ceramic	0.01	250V	ACG-001-0	KCU, F
C6	Mylar	0.0082	50V	CQMA 822J 50	KCU, F
C7	Mylar	0.0082	50V	CQMA 822J 50	KCU, F

RESISTOR

Symbol	Description			Part No.	
R1	Carbon film	2.2M	$\frac{1}{4}$ W	RD $\frac{1}{2}$ PS 225J	KCU

SWITCHES

Symbol	Description			Part No.	
S12	Lever switch (power)			ASK-066-0	KCU
	Lever switch (power)			ASK-067-0	F
	Lever switch (power)			ASK-068-0	GN
S13	Relay			ASR-007-0	
S14	Slide switch (de-emphasis)			ASH-008-0	F

COILS AND TRANSFORMERS

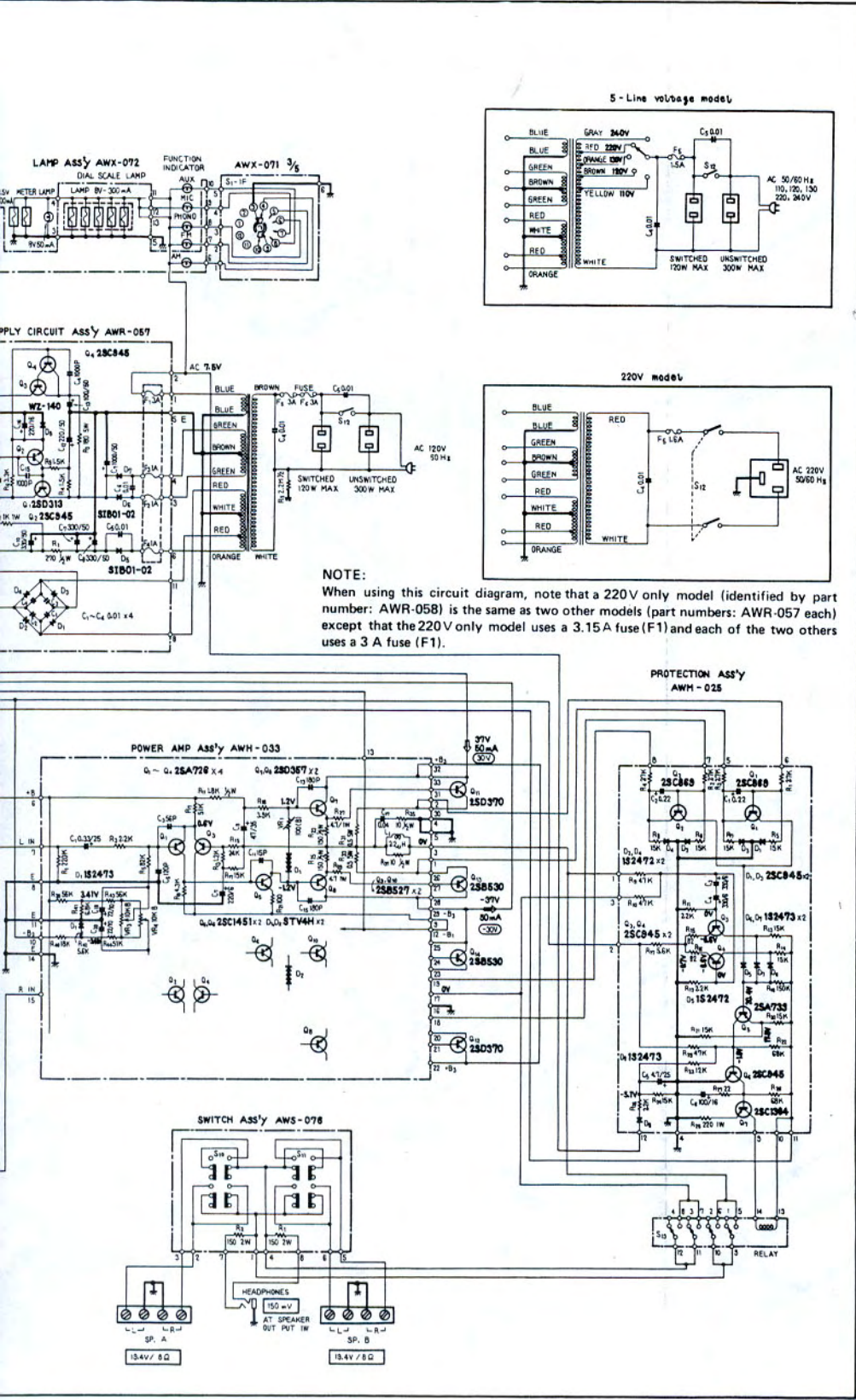
Symbol	Description			Part No.	
	Power transformer			ATT-186-0	KCU
	Power transformer			ATT-192-0	F
	Power transformer			ATT-191-0	GN
	Ferrite loopstick antenna			ATB-026-0	
	Balun			T22-025-A	

OTHERS

Symbol	Description			Part No.	
	Tuner assembly			AWE-043-0	
	Equalizer amplifier assembly			AWF-011-0	
	Microphone amplifier assembly			AWM-066-0	
	Control amplifier assembly			AWG-030-0	
	Power amplifier assembly			AWH-033-0	
	Protection circuit assembly			AWM-025-C	
	Switch & volume circuit assembly			AWX-071-0	
	Speaker switch circuit assembly			AWS-076-0	
	Push switch circuit assembly			AWS-077-0	
	5P connector assembly			AWX-062-0	
	Power supply circuit assembly			AWR-057-0	KCU, F
	Power supply circuit assembly			AWR-058-0	GN
	Lamp board assembly			AWX-072-0	
	Front panel assembly			ANB-273-0	
	Wooden cabinet			AMM-040-0	

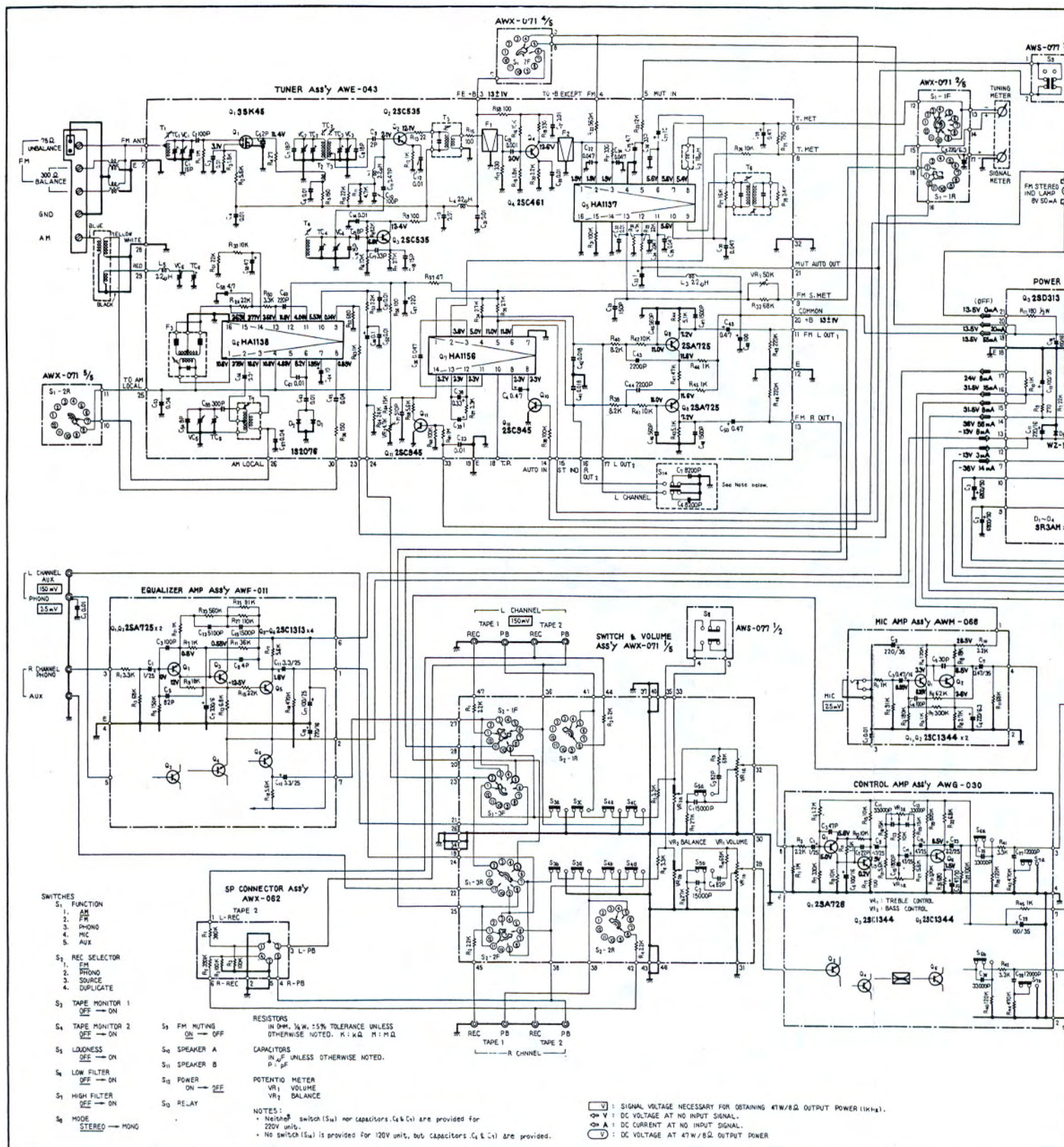
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LIST

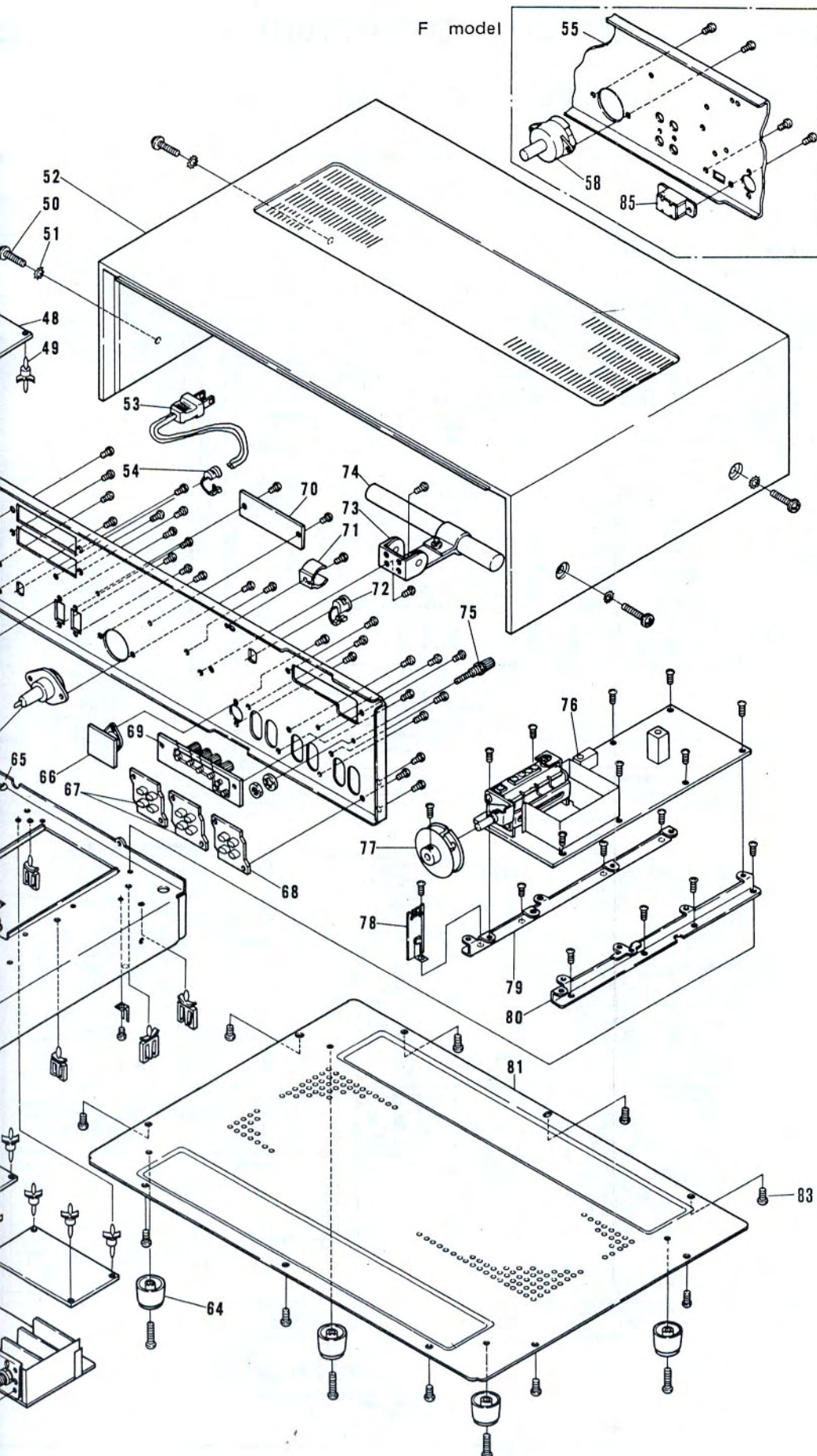


10. SCHEMATIC DIAGRAMS, P.C. BOARD PATTERNS AND PARTS

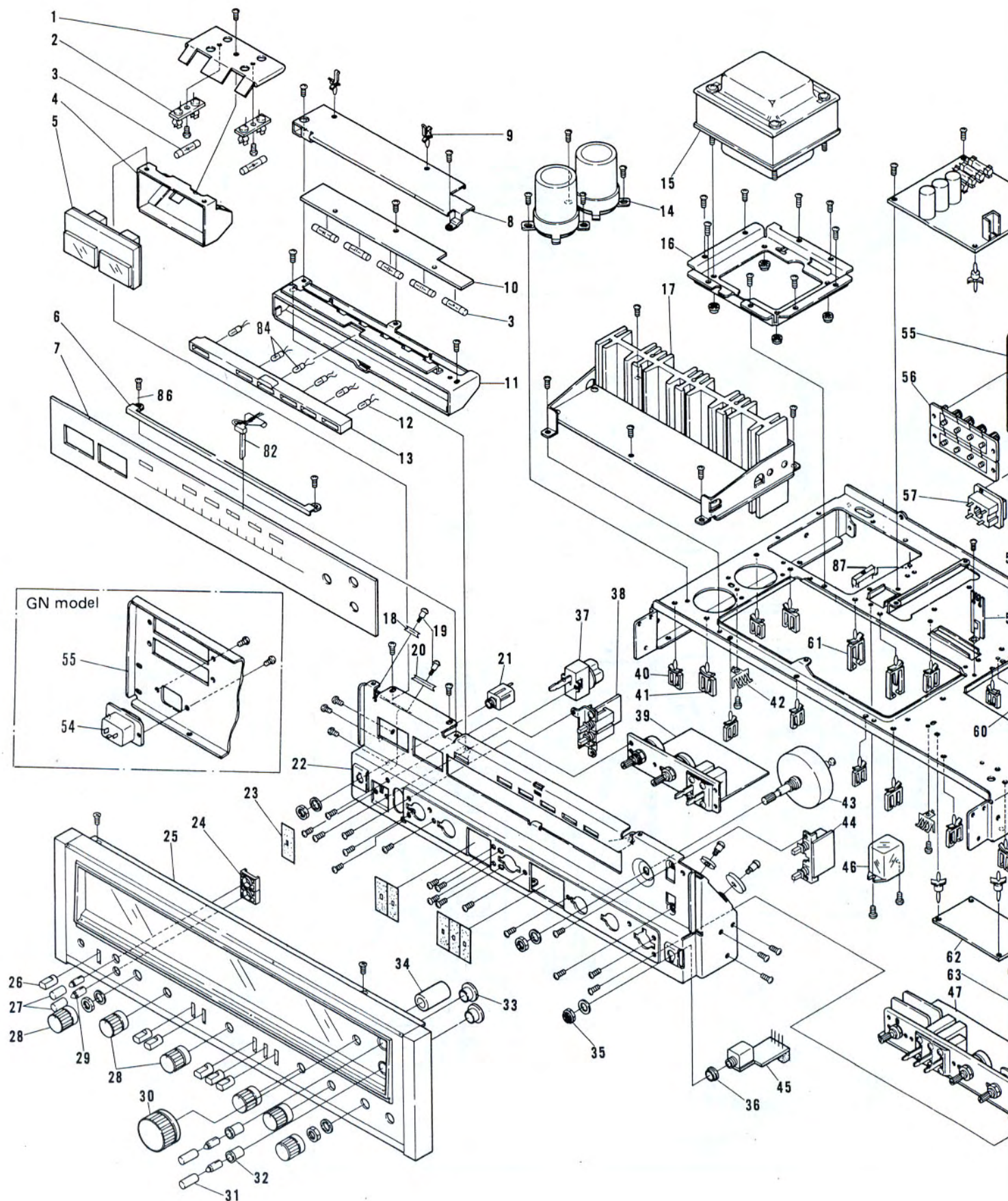
10.1 CIRCUIT CONNECTION DIAGRAM AND MISCELLANEOUS PARTS



SX-737



Exploded View



9. EXPLODED VIEW AND PARTS LIST

NOTE:

Parts number is subject to change for the purpose of improvement with notice of a service bulletin.

Service bulletin will be furnished whenever necessary and you are requested to amend parts number in this manual according to the instructions.

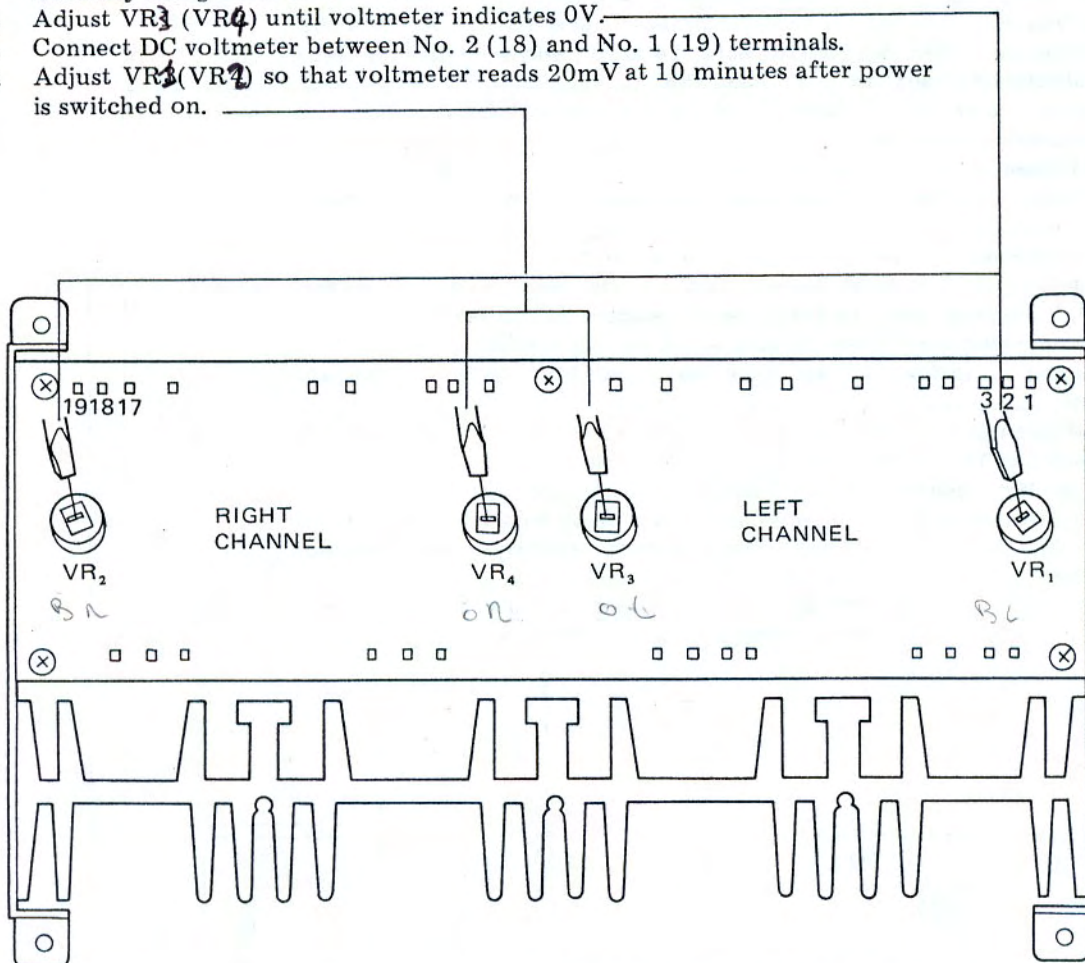
NOTICE: Any parts asterisked (*) are subject to being not supplied.

Parts List of Exploded View

Key No.	Description	Part No.	
1*	Lamp-held metal	ANF-260-0	
2	Pilot lamp socket	AKK-002-0	
3	Pilot lamp 8V, 0.3A (meter & dial scale)	E22-032-0	
4*	Meter lamp box	ANH-218-0	
5	Meter (signal & tuning)	AAW-032-0	
6*	Dial scale-held metal	ANG-105-0	
7	Dial scale	AAG-079-A	
8*	P.C. board cover	ANK-072-0	
9*	Wire clip-C	AEC-007-0	
10	Lamp board assembly	AWX-072-0	
11*	Lamp box	ANH-217-A	
12	Pilot lamp 8V, 50mA (program indicator)	AEL-022-0	
13*	Rubber bracket	AEB-060-0	
14	Electrolytic capacitor 6,800 μ F 50V	ACH-014-0	
15	Power transformer	ATT-186-0	KCU
	Power transformer	ATT-192-0	F
	Power transformer	ATT-191-0	GN
16*	Sub-chassis	ANF-259-0	
17	Power amplifier assembly	AWH-033-0	
18*	Pulley (small)	AEC-153-0	
19*	Pulley shaft	M49-025-E	
20*	Pulley (large)	AEC-101-0	
21	Phone jack (headphone)	K72-026-0	
22*	Sub-panel	AND-075-A	
23*	Shading plate	AED-025-A	
24	Spacer	AEC-116-0	
25	Front panel assembly	ANB-273-0	
26	Knob (power, tape monitor, filter, loudness)	ADD-040-B	
27	Knob (speakers)	ADD-082-B	
28	Knob (volume, balance, bass, treble, function, rec selector)	AAB-068-0	
29	Coupler (knob-to-switch)	AAE-007-0	
30	Knob (tuning)	AAA-024-0	

Power Amplifier (DC neutral voltage and idle current)

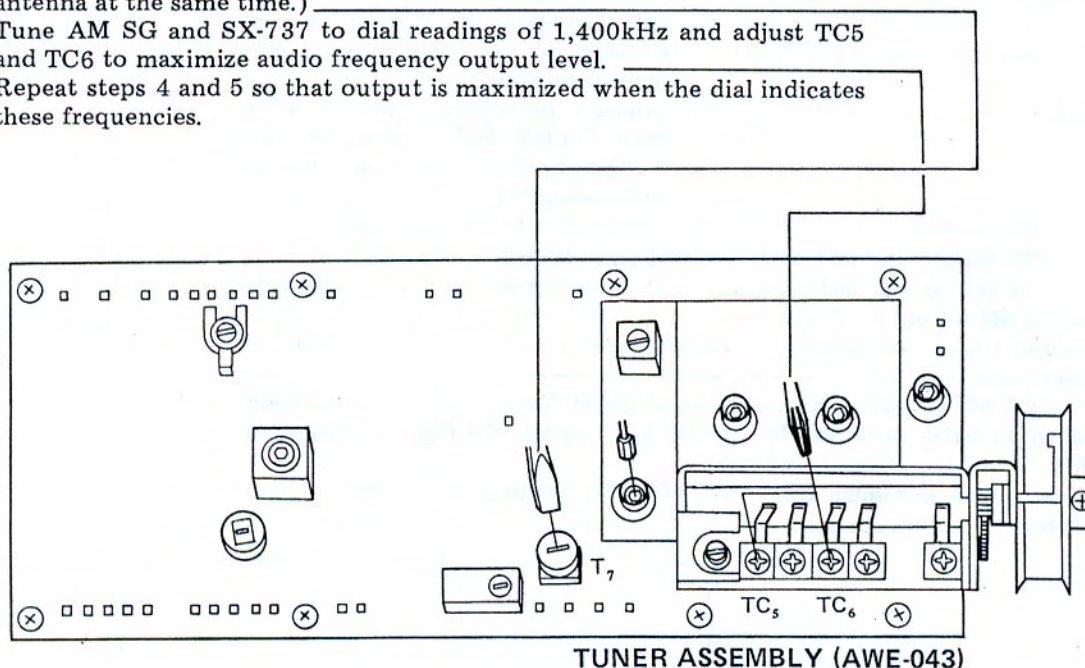
- Do this adjustment when any of the transistors in the power amplifier has been replaced.
 - Terminal and VR numbers given first are for the left channel and those in brackets are for the right channel.
1. Switch positions on the SX-737:
 FUNCTION AUX
 POWER ON
 SPEAKER A (A button pressed in)
 2. Connect 8Ω dummy load to SPEAKER A terminals. (Keep AUX jacks free, and VOLUME control set at minimum.)
 3. Connect DC voltmeter to No. 3 (17) terminal of power amplifier assembly and ground it to chassis.
 4. Adjust VR₃ (VR₄) until voltmeter indicates 0V.
 5. Connect DC voltmeter between No. 2 (18) and No. 1 (19) terminals.
 6. Adjust VR₁ (VR₂) so that voltmeter reads 20mV at 10 minutes after power is switched on.



POWER AMPLIFIER ASSEMBLY (AWH-033)

AM Section

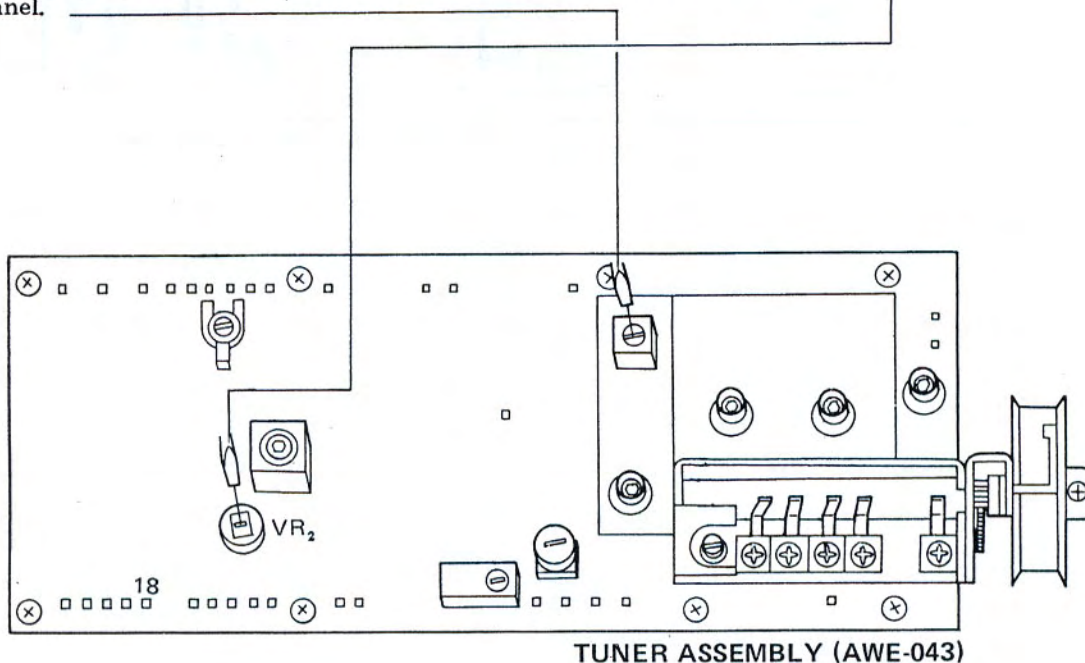
1. Switch positions on the SX-737:
 FUNCTION AM
 POWER ON
 REC SELECTOR SOURCE
2. Connection of instruments:
 AM Signal Generator (AM SG) Connect to AM ANTENNA terminals in series with dummy antenna (1k Ω resistor).
3. Set AM SG to 30% modulation at 400Hz and 30dB output.
4. Tune AM SG and SX-737 to dial readings of 600kHz and adjust T7 to maximize audio frequency output level. (Adjust core of ferrite loopstick antenna at the same time.)
5. Tune AM SG and SX-737 to dial readings of 1,400kHz and adjust TC5 and TC6 to maximize audio frequency output level.
- Repeat steps 4 and 5 so that output is maximized when the dial indicates these frequencies.



TUNER ASSEMBLY (AWE-043)

FM MPX Section

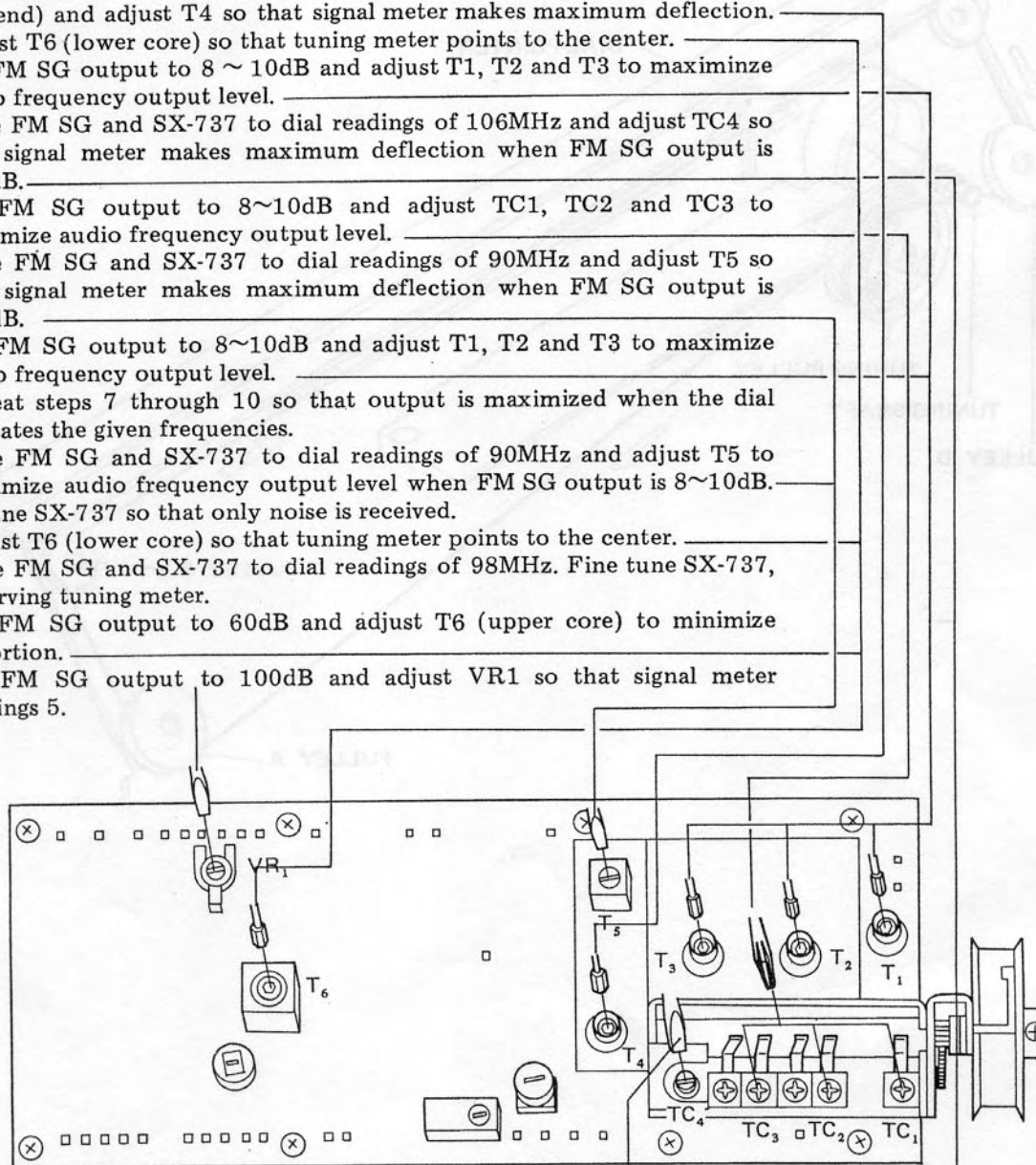
- The SX-737 incorporates a PLL demodulator circuit. This adjustment should only be made when MPX IC has been replaced.
 - This adjustment should be made after completion of FM section adjustment.
1. Switch positions on the SX-737:
 FUNCTION FM
 FM MUTING OFF (pressed in)
 POWER ON
 REC SELECTOR SOURCE
 2. Connection of instruments:
 FM Signal Generator (FM SG) Connect to FM ANTENNA terminals through 300 Ω dummy antenna.
 MPX Signal Generator (MPX SG) .. Connect to FM SG's external modulator terminals.
 Oscilloscope Connect horizontal input to MPX SG's PILOT OUT terminals and vertical input to No. 18 terminal of tuner assembly.
 Distortion meter Connect to TAPE REC jack.
 3. Tune FM SG and SX-737 to dial readings of 98MHz.
 4. Set MPX SG to $\pm 67.5\text{kHz}$ deviation at 1kHz for left and right channels and FM SG output to 60dB.
 5. Produce a Lissajous pattern on oscilloscope and adjust VR2 to make the pattern still.
 6. Set MPX SG to $\pm 67.5\text{kHz}$ deviation at 1kHz for left and right channels and to $\pm 7.5\text{kHz}$ deviation for 19kHz pilot signal. Set FM SG output to 60dB.
 7. Adjust T5 to minimize distortion of audio frequencies for left or right channel.



8. ALIGNMENT PROCEDURE

FM Section

1. Switch positions on the SX-737:
 FUNCTION FM
 FM MUTING OFF (pressed in)
 POWER ON
 REC SELECTOR SOURCE
2. Connection of instruments:
 FM Signal Generator (FM SG) ... Connect to FM ANTENNA terminals through 300 Ω dummy antenna.
 AC Voltmeter }
 Distortion meter } Connect in parallel to TAPE REC
 Oscilloscope } jack.
3. Set FM SG to 100% modulation (± 75 kHz deviation) at 400Hz and 100dB output.
4. Tune FM SG and SX-737 to dial readings of 87.4MHz(dial pointer set to left end) and adjust T4 so that signal meter makes maximum deflection.
5. Adjust T6 (lower core) so that tuning meter points to the center.
6. Set FM SG output to 8 ~ 10dB and adjust T1, T2 and T3 to maximize audio frequency output level.
7. Tune FM SG and SX-737 to dial readings of 106MHz and adjust TC4 so that signal meter makes maximum deflection when FM SG output is 100dB.
8. Set FM SG output to 8~10dB and adjust TC1, TC2 and TC3 to maximize audio frequency output level.
9. Tune FM SG and SX-737 to dial readings of 90MHz and adjust T5 so that signal meter makes maximum deflection when FM SG output is 100dB.
10. Set FM SG output to 8~10dB and adjust T1, T2 and T3 to maximize audio frequency output level.
- Repeat steps 7 through 10 so that output is maximized when the dial indicates the given frequencies.
11. Tune FM SG and SX-737 to dial readings of 90MHz and adjust T5 to maximize audio frequency output level when FM SG output is 8~10dB.
12. Detune SX-737 so that only noise is received.
13. Adjust T6 (lower core) so that tuning meter points to the center.
14. Tune FM SG and SX-737 to dial readings of 98MHz. Fine tune SX-737, observing tuning meter.
15. Set FM SG output to 60dB and adjust T6 (upper core) to minimize distortion.
16. Set FM SG output to 100dB and adjust VR1 so that signal meter readings 5.



TUNER ASSEMBLY (AWE-043)