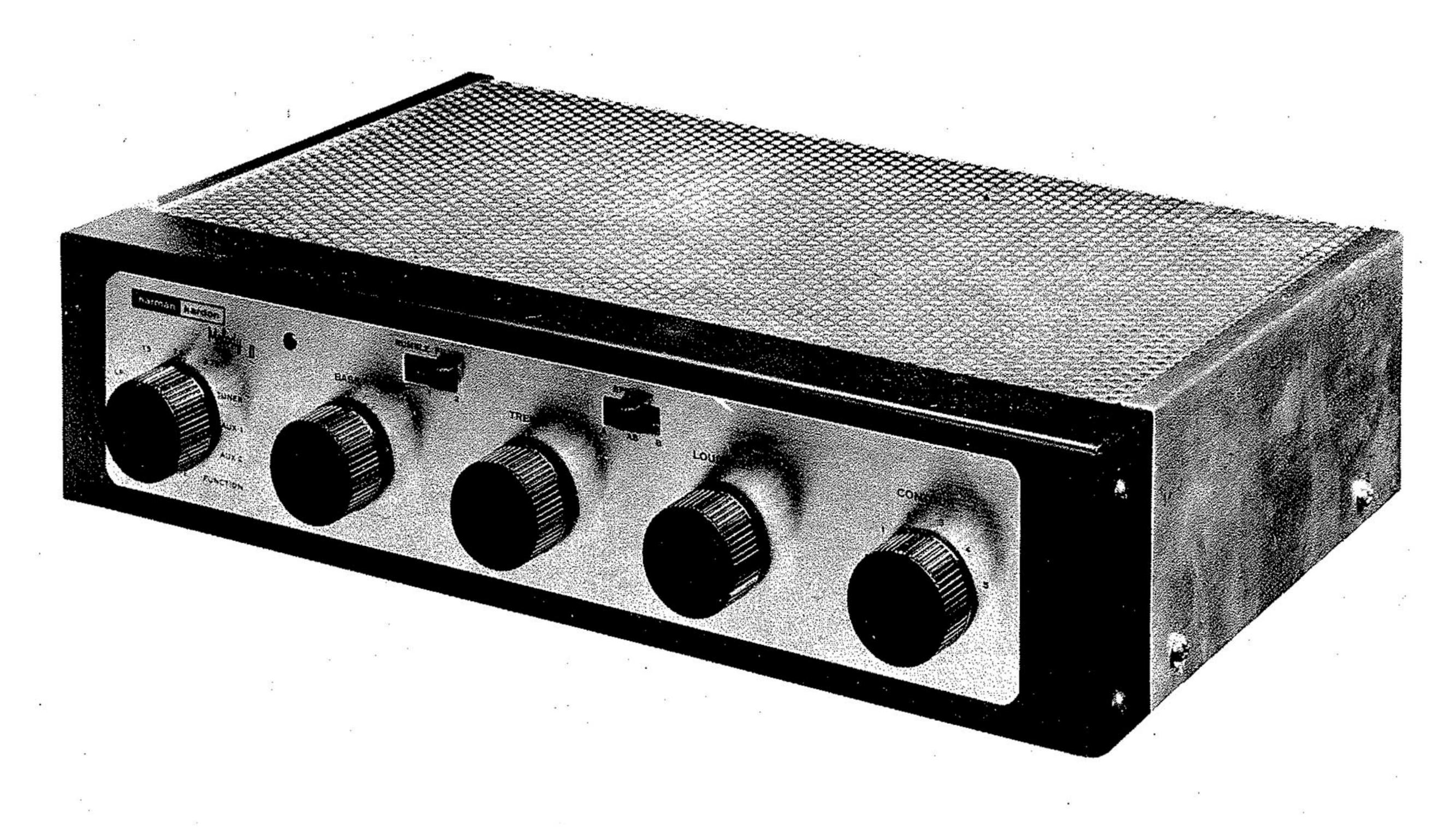
HARMAN-KARDON MODEL A-120 (Melody II)



TYPE SET

AC Operated 6 Channel 20 Watt Audio Amplifier

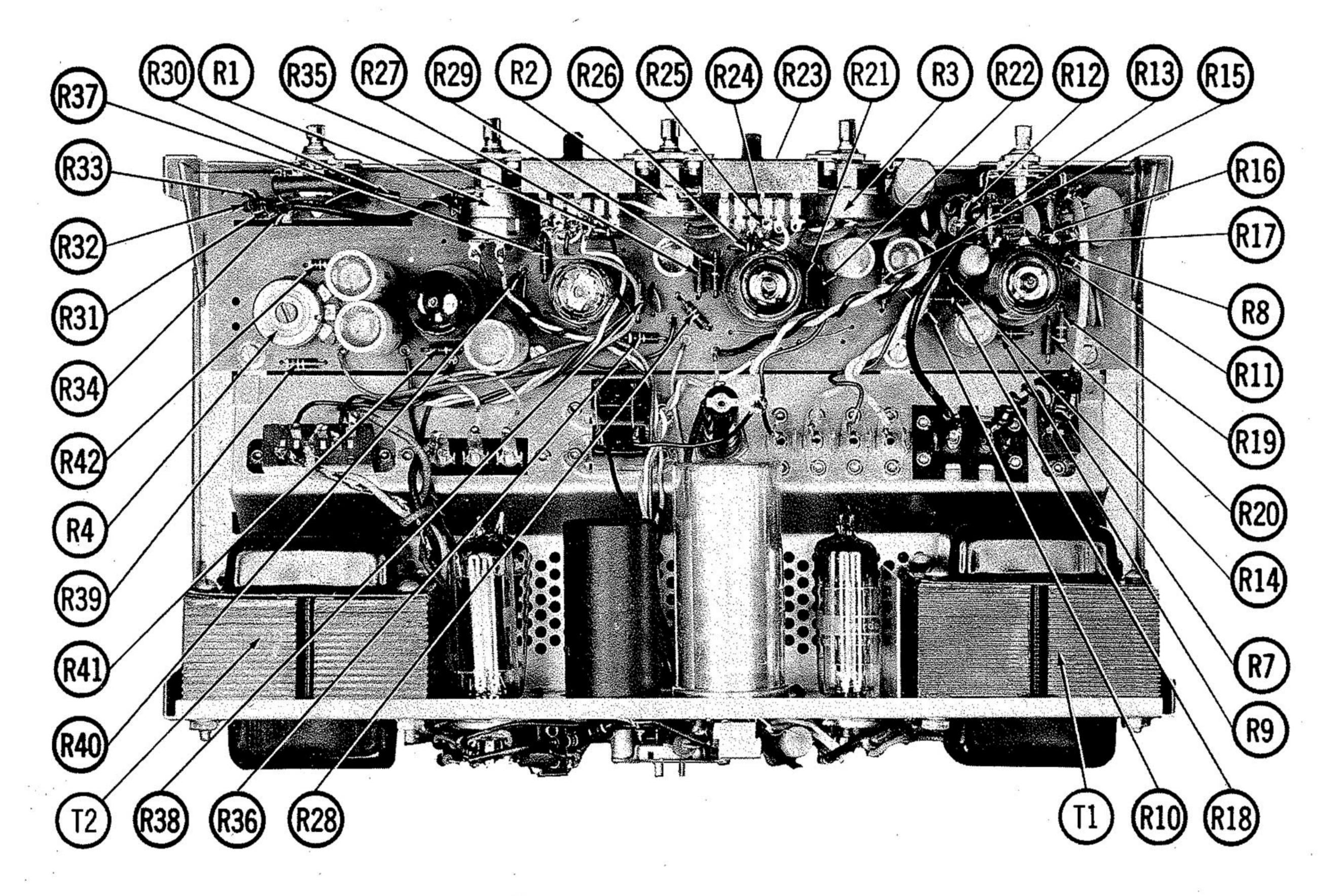
TUBES (Eight)

Types 12AX7/ECC83 Preamplifier, 12AX7/ECC83 Cath. Follower-AF Amp., 12AV6 AF Amplifier, 12AT7 Driver, (2) 12AB5 Output, (2) 6X4 Rectifier

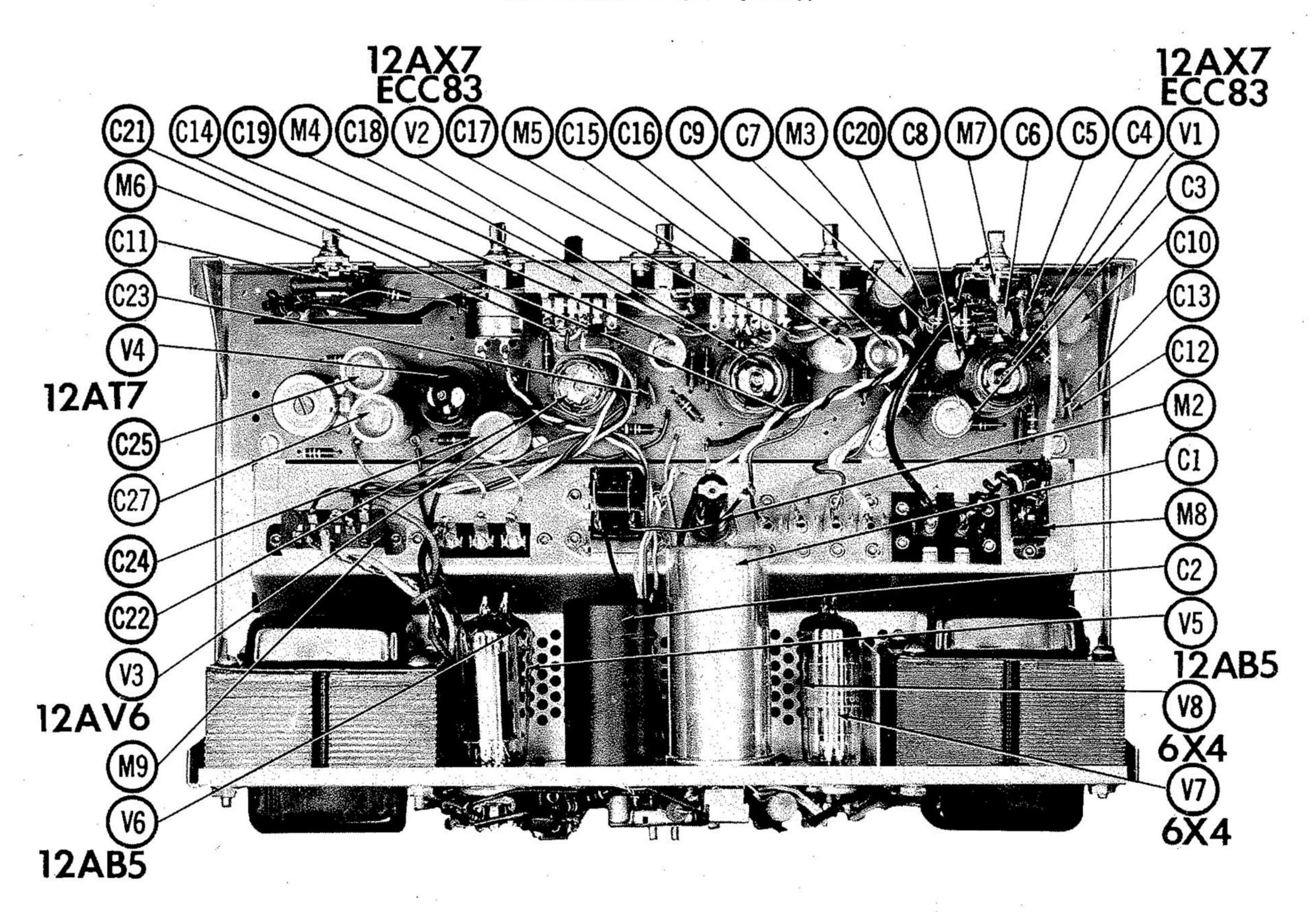
POWER SUPPLY

105-125 Volts AC-60 Cycles


RATING . 8 Amp @117 Volts AC (83 Watts)



CHASSIS TOP VIEW



CHASSIS TOP VIEW



PARTS LIST AND DESCRIPTIONS

TUBES (GENERAL ELECTRIC, SYLVANIA)

No.	USE	TYPE
V 1	Preamplifier	12AX7/ ECC83
V2	Cath. Follower-AF Amp.	12AX7/ECC83
V3	AF Amplifier	12AV6
V4	Driver	12AT7

ITEM No.	USE	TYPE
V 5	Output	12AB5
	Output	12AB5
	Rectifier	6X4
V 8		6X4

ELECTROLYTIC CAPACITORS

	RAT	ING			REPLA	CEMENT DATA			
No.	CAP.	VOLT.	Harman-Kardon PART No.	AEROVOX PART No.	CORNELL- DUBILIER PART No.	MALLORY PART No.	PYRAMID PART Na.	SANGAMO PART No.	SPRAGUE PART No.
ClA B	▲ 40 ▲ 20	475 475	JE1021710	AFH3-50-05	C0372		TMT-47 TD-20-500	Q-075	TVL-3842
C2 C3	■ 20 50 10	475 150 150	JE1021711	AFH1-18 PRS150V10	A0200 BBR10-150	FP115 TC42	TMS-20 TD-10-150	S-080 MT-1510	TVL-1415 TVA-1406

FIXED CAPACITORS

Capacity values given in the rating column are in mfd. for Paper Capacitors, and in mmfd. for Mica and Ceramic Capacitors.

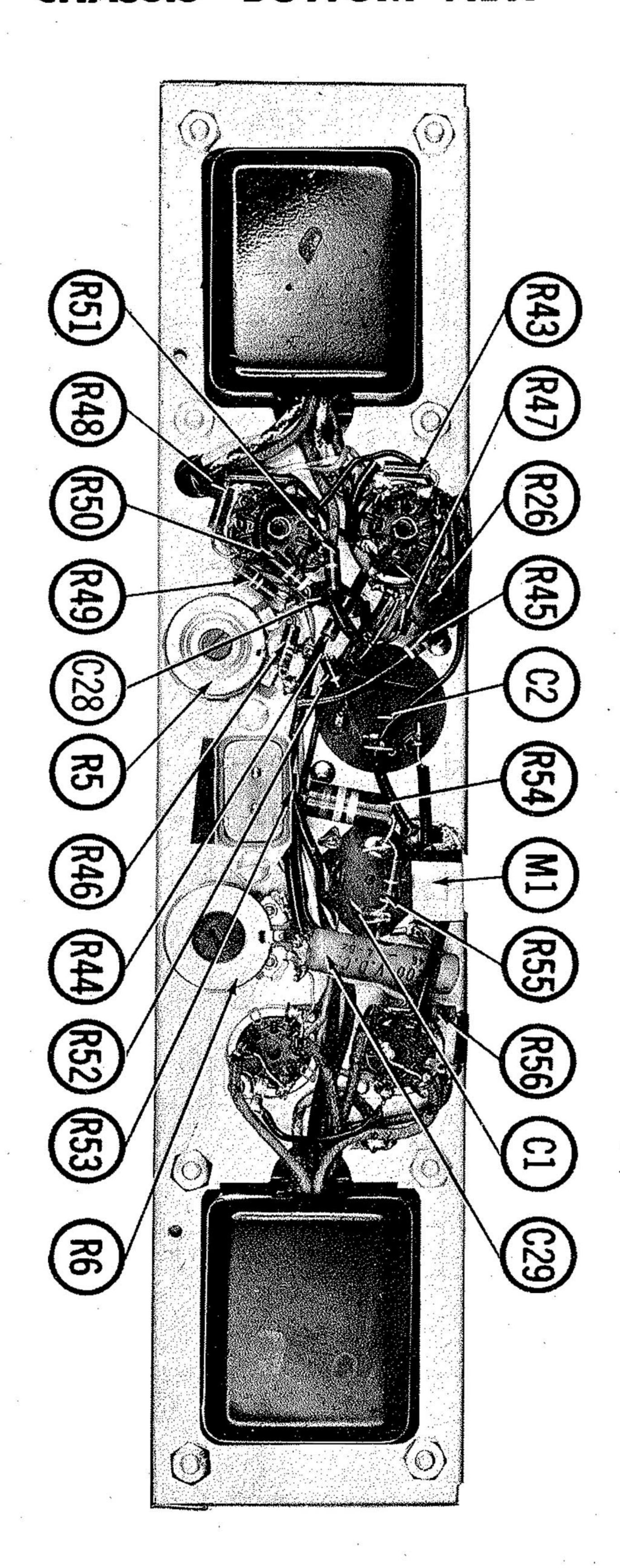
				acitors, and					
					REPLA	CEMENT DATA	<u></u>		-
No.	CAP.	VOLT	Harman- Kardon PART No.	AEROVOX PART No.	CENTRALAB PART No.	CORNELL- DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.	NOTES
C4 C5 C6 C7 C8 C10 C11 C12 C13 C14	1000 1000 1000 270 . 05 . 05 . 4700 4700 10000 10000	200		P288N-05 P488N-05 BPD-01 BPD-01 BPD-01	MD-271 DF-503 DF-503 DD-103 DD-103 DD-103	HVB30D1 HVB30D1 HVB30D1 L10T27 CUB2S5 CUB4S5 CUB4S5 BYA10S1 BYA10S1	GEM-415 GEM-415 DC511 DC511 DC511	5TCC-T27 2TM-S5 4TM-S5 4TM-S1 5HK-S1 5HK-S1	10% 10% 10% 10% 10%
C15 C16 C17 C18 C19 C20	3900 3900 100 . 05 3900	200 400		P288N-1 N750-D1100 P488N-05	DF-104 DTN-100 DF-503	CUB2P1 C10T1U CUB4S5	GEM-201 NT-531 GEM-415	2TM-Pl 5TCU-Tl 4TM-S5	10% 10% N750 10%
C21 C22	.1 270 47 .22 .22 1000 .22	200 400 400 2000 400 2000 2000		P288N-1 SI 270 N750-DI47 P488N-22 P488N-22 HVD-30-1000 P488N-22 HVD-30-1000 P288N-05	DF-104 D6-271 DTN-47 DD30-102 DD30-102 DF-503	CUB2P1 LT6T27 C10Q47U CUB4P22 CUB4P22 HVB20D1 CUB4P22 HVB20D1 CUB2S5	GEM-201 UC-5327 NT-5447 GEM-4022 GEM-4022 DC3021 GEM-4022 DC-3021 GEM-415	2TM-P1 5GA-T27 5TCU-Q47 4TM-P22 4TM-P22 20GA-D1 4TM-P22 20GA-D1 2TM-S5	N750 (I)

① Not used in some versions.

CONTROLS

roomerood soon	DATE			RE				
ITEM	RATI	NG	Harman-	CENTRALAB	CLAROSTAT	IRC	MALLORY	INSTALLATION NOTES
No.	RESIST- ANCE	WATTS	Kardon PART No.	PART No.	PART No.	PART No.	PART No.	INSTALLATION NOTES
RlA B	imeg Switch	1/2	RV1021636					Loudness, Tap@500K
R2	500K	$\frac{1}{2}$	RV1021634					Treble, Tap@100K
R3	lmeg	1 1	RV1021635		17 (A)		,	Bass
R4	15 K	1/2	RV1021725					Signal Balance
R5A	15 K	1 2	RV1021708	AB-22	A47-15K-S	B11-118	TA153L	Blas Balance
В	Shaft	ł -		AK-1	FKS-1/4	TMI-Kit	Not Req	
R6A B	500Ω Shaft	1/2	RV1021709	AB-4 AK-1	A47-500-S FKS-I/4	Bl1-103 TM1-Kit	TA52L Not Req.	Hum Balance

CHASSIS-BOTTOM VIEW



PARTS LIST AND DESCRIPTIONS (Continued)

RESISTORS

All wattages 1/2 watt, or less, unless otherwise listed.

ITEM	RATIN	G	Harman- Kardon	NOTES	ITEM	RATIN	IG	Harman- Kardon	NOTES
No.	OHMS	WATT	PART No.		No.	OHMS	WATT	PART No.	
R7	100K			Note 1	R32	56K	1		
R8	47K				R33	180K			1
R9	56K				R34	390K			
R10	560K		13/3		R35	470K	- 5		
Rll	B20Ω		<u> </u>	Note 2	R36	470K			
R12	68K				R37	1200Ω			
R13	56K			Note 3	R38	68K			ļ
R14	6B0K			Note 4	R39	47K			
R15 '	270K				R40	27K			i
R16	2. 2meg				R41	1meg		.2	
R17	lmeg				R42	47K			
R18	1500Ω	E.			R43	1000Ω		*	
R19	470K				R44	150K			
R20	2. 2meg			ž .	R45	47K			
R21	lmeg	1			R46	27K			Note 3
R22	1500Ω				R47	1000Ω			Note 3
R23	100K				R48	1000Ω			
R24	100K				R49	150 K			
R25	470K				R50	47K	İ		
R26	100K	1			R51	1000Ω			Note 3
R27	1000Ω				R52	4700Ω			Note 5
R28	270K	1			R53	100K	Υ		Note 3
R29	1500Ω	l			R54	27K	2		
R30	56K				R55	4700Ω			
R31	56K		· //		R56	150Ω			

Note 1.	Some	versions	may use	180K	in	this	application.
							94-1 (19-14)

Note 2. Some versions may use 2200Ω in this application.

TRANSFORMER (POWER)

						REPLACE	MENT DATA	<u> </u>		
ITEM No.		RATING		Harman-Kardon	- '	Merit	Ram PART No.	Stancor PART No.	Thordarson PART No.	Triad PART Na.
	PRI.	SEC. 1	SEC. 2	PART No.	PART No.	PART No.	PART NO.	FARI NO.	PART NO.	PART ING.
Tl	117V	720VCT	12V	FT1021778		*	00 mil 0 80 mil 0 80 mil 0 80 mil 0 80 mil 0		J =	
	@.8A	@.100A	@ 1.8A						n n	
		Tap (a)						1970	6.63	
	£0	55V @								
		.0025A								

Note 3. Not used in some versions.

Note 4. Some versions may use 220K in this application.

Note 5. Some versions may use 15K in this application.

PARTS LIST AND DESCRIPTIONS (Continued)

TRANSFORMER (AUDIO OUTPUT)

					REPLAC	EMENT DAT	Α			
ITEM Na.	IMPEC	ANCE	Harman- Kardon PART No.	Halldorson PART No.	Merit PART No.	Ram PART No.	Stancor PART No.	Thardarson PART No.	Triad PART No.	NOTES
	PRI.	SEC.	1 7 1 1 1 0 1	TAKT NO.	TAKT NO.	TAKT 140.	TAKT NO.	17301100	17.101	
T2	100	16Ω Tap \textcircled{a} 8, 4Ω		3533				22S66 ①	•	

① Use original shields and mounting brackets.

SELENIUM RECTIFIER

	RATING		REPLACEN	NENT DATA		
No.	CURRENT (Measured)	Harman-Kardon PART No.	FEDERAL PART Na.	INTERNATIONAL PART No.	SARKES TARZIAN PART No.	NOTES
MI	. 0025A	Z1021726	1159	CR-20	10	•

FUSES

			REPLACEMENT DATA							
No. TYPE	RATING	Harman-Kardon PART No.		LITTELFUSE PART Na.		BUSS PART No.		82		
			FUSE	HOLDER	FUSE	HOLDER	FUSE	HOLDER	VI SAV	
M2	MDL	1 1/4A 125V S/B		•	3131. 25 (1 1/4A 125V S/B)	342001	MDL 11/4 (11/4A125V S/B)	HKP		

MISCELLANEOUS

ITEM No.	PART NAME	Harman-Kardon PART No.	NOTES
M3	Lamp	KB1071741	#1815
M4	Switch		Speaker Selector, 3 Position, Slide Type
M5	Switch		Rumble Filter, 3 Position, Silde Type
M6	Switch	ER1021632	Contour, 6 Position, Single Wafer, Rotary Type
M7	Switch	ER1021633	Function, 9 Position, Dual Wafer, Rotary Type
M8	Switch		G. E. Plckering, 2 Position, Slide Type
M9	Switch	•	Speaker Impedance, 2 Position, Sllde Type

WIRING DATA

General-use Unshielded Hook-up Wire	. Use BELDEN No. 8530 (Solld) Available in Ten Colors
Power Cord	8524 (Stranded) Available in Ten Colors
Power Coru	1725-K (7½ Ft. Length)
Low-Loss Shielded Lead (Interconnecting)	Use BELDEN No. 8401
Phono Plck-up Arm Cable	. Use BELDEN No. 8430 (Two Conductor - Twisted)