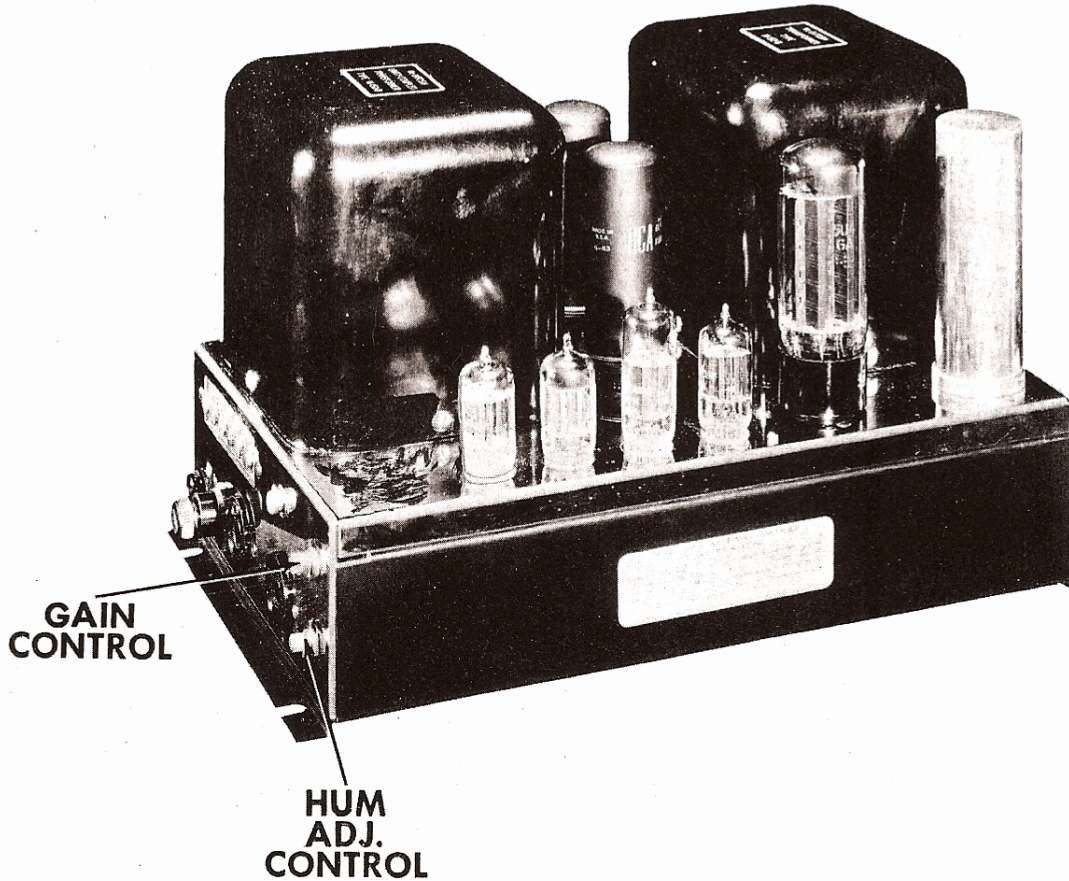


PHOTOFACT* Folder



MC INTOSH
MODEL MC-30

MC INTOSH
MODEL MC-30



MC INTOSH
MODEL MC-30

TRADE NAME	Mc Intosh Model MC-30
MANUFACTURER	Mc Intosh Laboratory, Inc., 320 Water St., Binghamton, N. Y.
TYPE SET	AC Operated 30 Watt Audio Amplifier
TUBES (Seven)	Types 12AX7 Preamp., 12AU7 AF Amp.-Phase Inverter, 12BH7 Driver, 12AX7 Driver, (2) 1614 Output, 5U4GA Rectifier
POWER SUPPLY	117/125 Volts AC-50/60 Cycles RATING 1.03 Amp. @ 117 Volts AC

HOWARD W. SAMS & CO., INC. • Indianapolis 5, Indiana

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DATE 4-55

SET 275

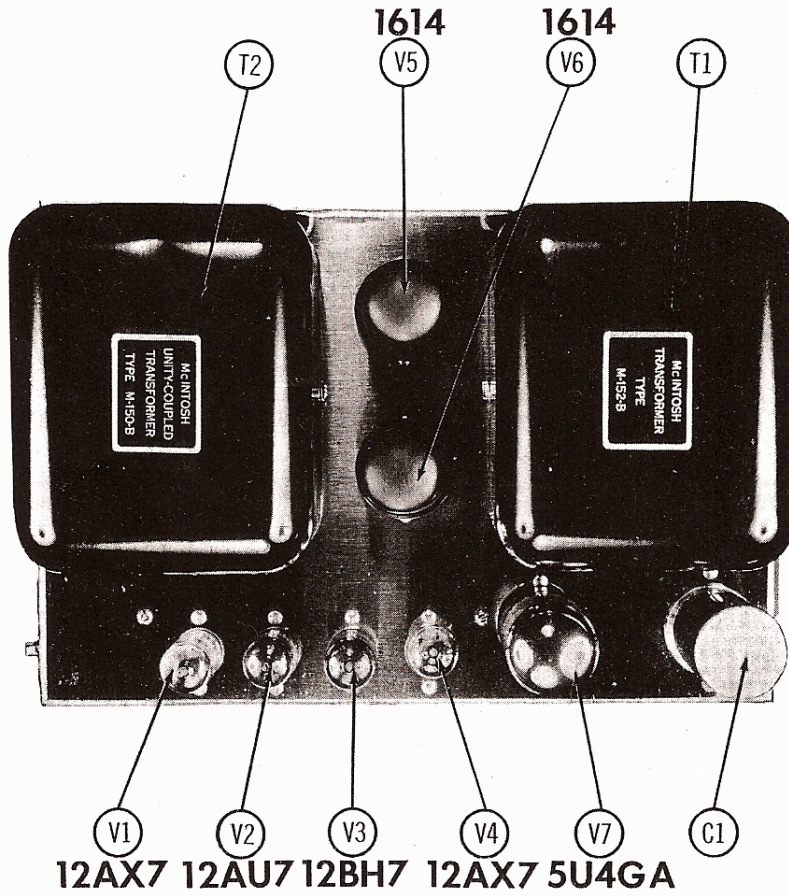
FOLDER 9

PARTS LIST AND DESCRIPTIONS

TUBES (SYLVANIA, GENERAL ELECTRIC, WESTINGHOUSE)

MCINTOSH
MODEL MC-30

CHASSIS—TOP VIEW



V1 12AX7 V2 12AU7 V3 12BH7 V4 12AX7 V5 5U4GA V6 V7 C1

ITEM No.	USE	REPLACEMENT DATA		REPAIR BASE TYPE	NOTES
		MC INTOSH PART No.	STANDARD REPLACEMENT		
V1	Preamplifier	12AX7	12AX7	9A	
V2	A.F. Amplifier-	12AU7	12AU7	9A	
V3	Phase Inverter	12BH7	12BH7	9A	
V4	Driver	12AX7	12AX7	9A	
V5	Output	1614	1614	7S	
V6	Output	1614	1614	7S	
V7	Rectifier	5U4GA	5U4GA	5T	

CAPACITORS

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

ITEM No.	RATING CAP.	VOLT	REPLACEMENT DATA				
			MC INTOSH PART No.	CENTRALAB PART No.	ERIE PART No.	MALLORY PART No.	
C1A	.40	450			FP378	TM-304020-450	SANGAMO PART No. T-180
C1B	.80	450			TC36	TD-25-50	FM-0825
C1C	.20	50			TC72	TD-10-450	FM-4510
C2	10	450		DF-104	PT401	IMP4-P1	330401
C3	10	450			PT4047	IMP2-P47	3302047
C4	.1	400			UC-5347		
C5	.47	200			GP2K-471		
C6	470	400		D6-471			
C7	.22	400		DF-503			
C8	.047	400		DF-503			
C9	.047	400		DF-503			
C10	.25	600			PT6025	IMP8-P25	3306025
C11	.25	600			PT401	IMP4-P1	330401
C12	.1	400		DF-104			

CONTROLS

ITEM No.	RATING RESISTANCE	WATTS	REPLACEMENT DATA			INSTALLATION NOTES
			MC INTOSH PART No.	CENTRALAB PART No.	MALLORY PART No.	
R1A	500KΩ	1/2	6154455	Q11-133	AB-59	U-50
R1B	500KΩ	1/2	Not Req.	Q11-133	AK-1	Not Req.
R2	250KΩ	1/2	6154480	A47-500K-S	PKS-1/4	Gain Attach to R1A Hum. Adj.

RESISTORS

ITEM No.	RATING OHMS	WATT	REPLACEMENT DATA		NOTES
			MC INTOSH PART No.	IRC PART No.	
R3	100KΩ	1/2		BTS-100K	
R4	27KΩ	1/2		BTS-27K	
R5	5.1Meg	1/2		BTS-5.1Meg	
R6	500KΩ	1/2		BTS-500K	
R7	820Ω	1/2		BTS-820Ω	
R8	100KΩ	1/2		BTS-100K	
R9	2200Ω	1/2		BTS-2200Ω	
R10	500KΩ	1/2		BTS-500K	
R11	1Meg	1/2		BTS-1Meg	
R12	1.2Meg	1/2		BTS-1.2Meg	
R13	1Meg	1/2		BTS-1Meg	
R14	18KΩ	1/2		BTA-18K	
R15	27KΩ	1/2		BTA-27K	
R16	2.2Meg	1/2		BTS-2.2Meg	
R17	5000Ω	1/2		BTS-5000Ω	

* R20 and R23 are matched within 1% when replacing.

PARTS LIST AND DESCRIPTIONS (Continued)

TRANSFORMER (POWER)

ITEM No.	RATING		REPLACEMENT DATA			
	PRI.	SEC.	MC INTOSH PART No.	Stancor PART No.	Merit PART No.	Thorndorson PART No.
T1	117/125 VAC @ 1.03A	SEC. 2 6.3VAC @ 3A SEC. 3 .10ADC @ 3A	M-152-B	PC-84100		

Q Drill new mounting holes.

TRANSFORMER (AUDIO OUTPUT)

ITEM No.	IMPEDANCE	REPLACEMENT DATA				NOTES
		MC INTOSH PART No.	Stancor PART No.	Merit PART No.	Thorndorson PART No.	
T2	PRI. 1 16Ω CT tap @ 80.4Ω SEC. 2 RES. 36.4Ω CT 1.4Ω tap @ 30.4Ω	M-150-B				

COILS (RF-IF)

ITEM No.	USE	DC RES.		REPLACEMENT DATA			NOTES
		PRI.	SEC.	MC INTOSH PART No.	MEISSNER PART No.	MERIT PART No.	
L1	RF Choke	1.2Ω		19-1001		4604	1.5 Microhenries IRC part #CLA 2.7 Microhenries IRC part #CLA
L2	RF Choke	2.2		19-1002		4606	

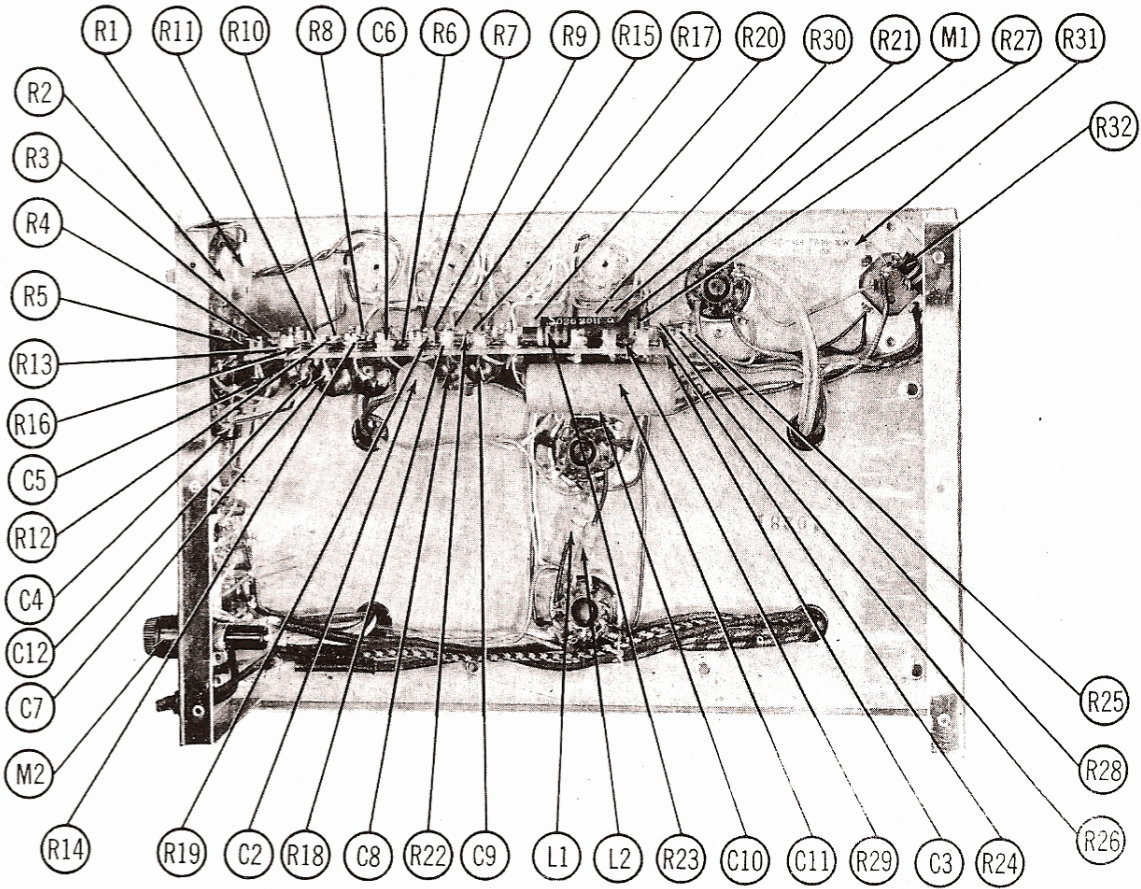
SELENIUM RECTIFIER

ITEM No.	RATING	REPLACEMENT DATA				NOTES
		MC INTOSH PART No.	FEDERAL PART No.	INTERNATIONAL PART No.	RADIO RECEPTOR PART No.	
M1	.004ADC	8A25P	8A25P	V-20EP	02E-28B-Q	

FUSES

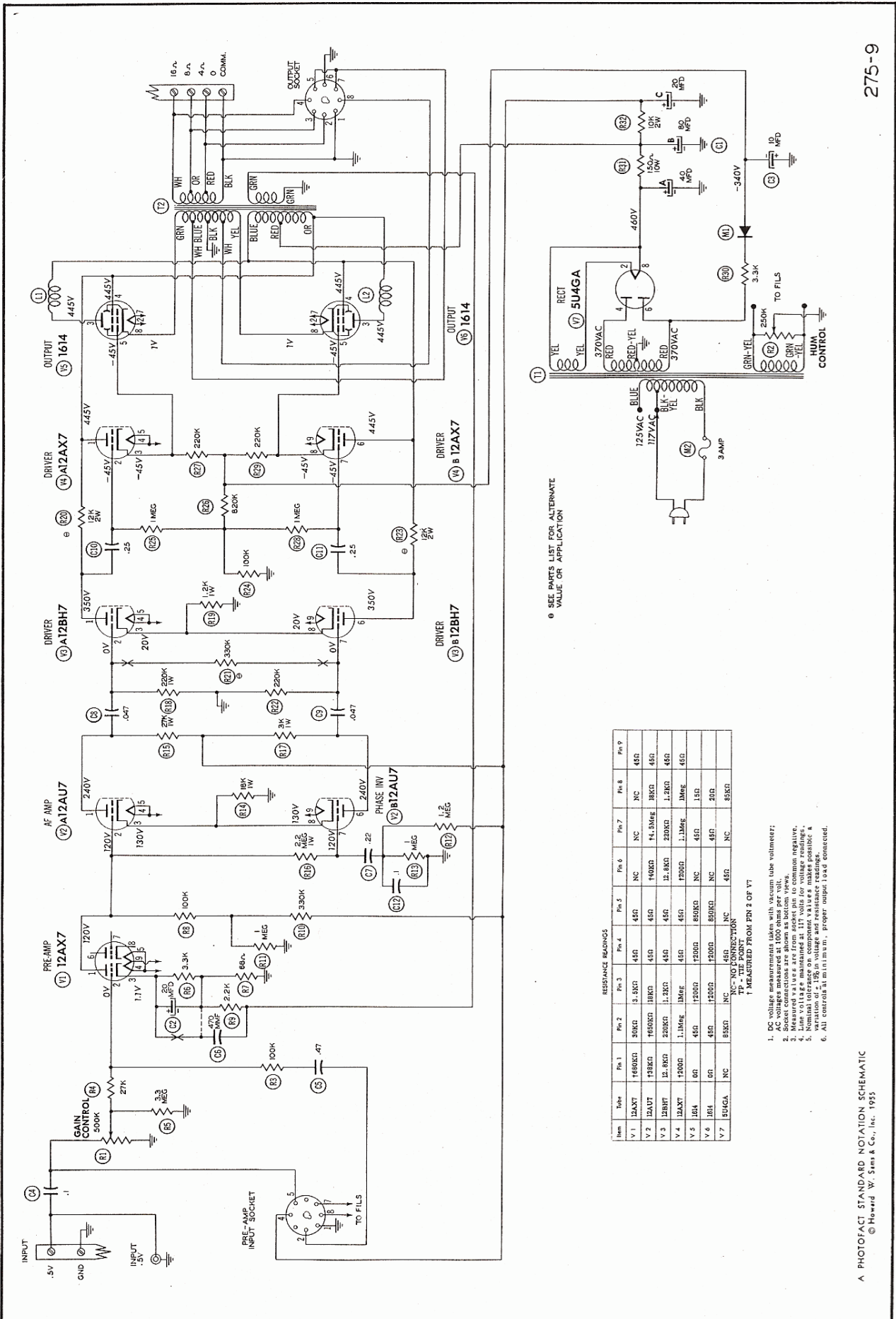
ITEM No.	TYPE	RATING	REPLACEMENT DATA				
			MC INTOSH PART No.	FUSE HOLDER	INTERNATIONAL PART No.	LITTELFUSE PART No.	
M2	3AG	3A 250V			32002 (3AG -3A)	342001 AGC 3	BUSSE PART No. FUSE HOLDER AGC 3 HKP

CHASSIS—BOTTOM VIEW



MC INTOSH
MODEL MC-30

MC INTOSH
MODEL MC-30



RESISTANCE READINGS

Item	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8	Pin 9
V 1 12AX7	1600KΩ	30KΩ	3.5KΩ	45Ω	NC	NC	NC	NC	45Ω
V 2 12AU7	135KΩ	18KΩ	18KΩ	45Ω	100KΩ	14.5MΩ	18KΩ	45Ω	45Ω
V 3 12BH7	12.8KΩ	20KΩ	1.2KΩ	45Ω	12.8KΩ	20KΩ	1.2KΩ	45Ω	45Ω
V 4 12AX7	1500Ω	1.1MΩ	1MΩ	45Ω	1500Ω	1.1MΩ	1MΩ	45Ω	45Ω
V 5 1B4	0Ω	45Ω	1200Ω	1200Ω	800KΩ	NC	45Ω	15Ω	45Ω
V 6 1B4	0Ω	45Ω	1200Ω	1200Ω	500KΩ	NC	45Ω	20Ω	85KΩ
V 7 5U4GA	NC	85KΩ	NC	45Ω	45Ω	NC	45Ω	NC	85KΩ

† MEASURED FROM PIN 2 OF V1
 ‡ - TIE POINT

- DC voltage measurements taken with vacuum tube voltmeter;
- DC current measurements taken with milliammeter;
- Socket connections are shown as bottom views;
- Measured values are from socket pin to common negative;
- Resistor values are nominal values; make provision for variation of ± 15% in voltage and resistance readings;
- All controls at min. in min. proper output load connected.