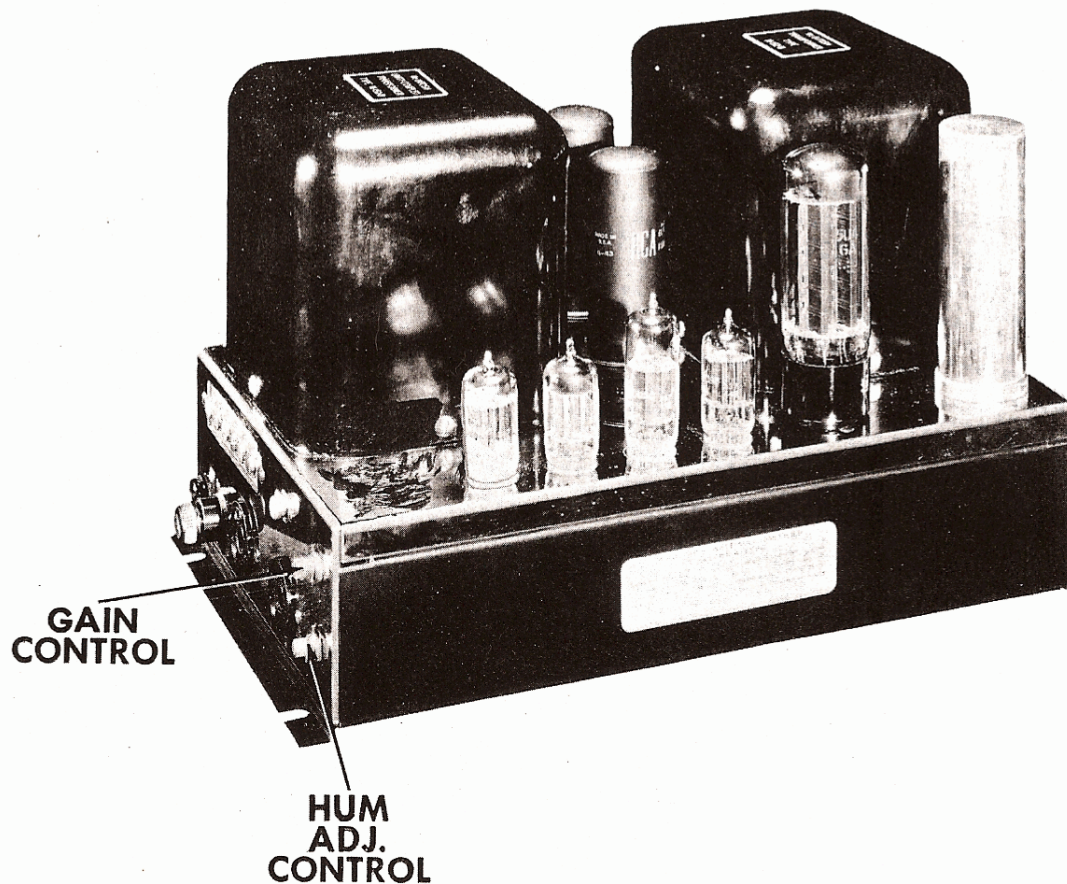


PHOTOFACT* Folder



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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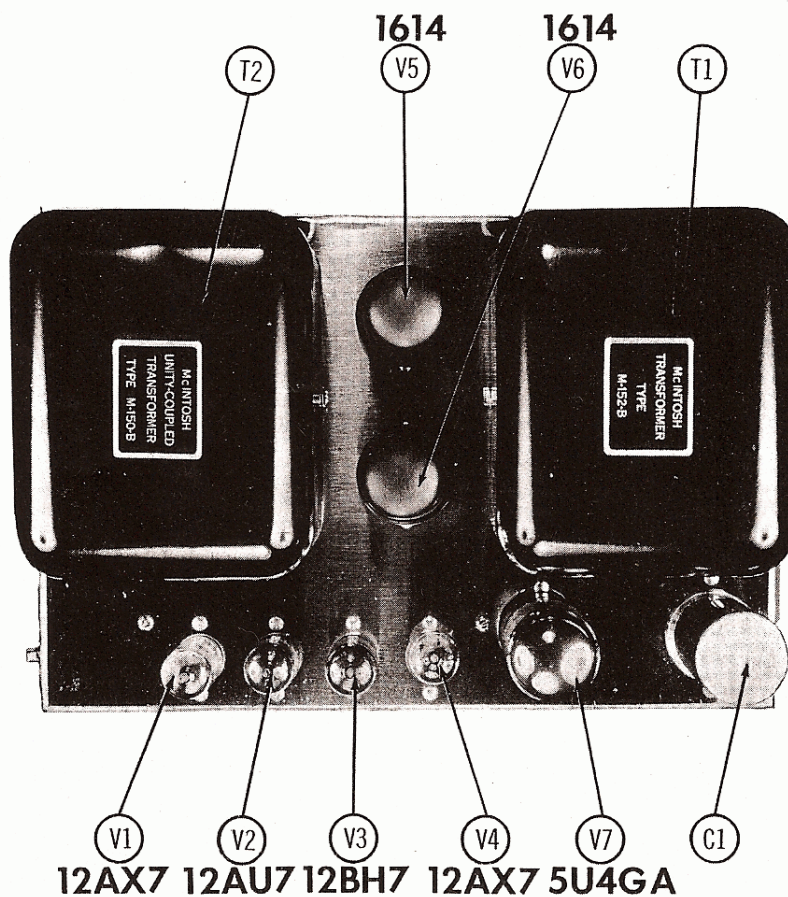
DATE 4-55

SET 275 FOLDER 9

PARTS LIST AND DESCRIPTIONS TUBES (SYLVANIA, GENERAL ELECTRIC, WESTINGHOUSE)

MCINTOSH
MODEL MC-30

CHASSIS—TOP VIEW



ITEM No.	USE	REPLACEMENT DATA		REMARKS 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				FP378
C1B	.80				TC38
C2	.20				TC72
C3	.10				PT401
C4	.1				PT4047
C5	.47				UC-5347
C6	.47				GP2K-471
C7	.22				PT4022
C8	.047				IMP4-P22
C9	.047				IMP4-S47
C10	.25				IMP4-P25
C11	.25				IMP4-P25
C12	.1				IMP4-P1

CONTROLS

ITEM No.	RATING RESISTANCE	REPLACEMENT DATA			INSTALLATION NOTES
		MC INTOSH PART No.	CLAROSTAT PART No.	CENTRALAB PART No.	
R1A	500KΩ	6154455	Q11-133	AB-59	Gain
R2	250KΩ	Not Req.	Not Req.	AK-1	Attach to R1A

RESISTORS

ITEM No.	RATING OHMS	REPLACEMENT DATA		NOTES
		MC INTOSH PART No.	IRC PART No.	
R3	100KΩ		BTS-100K	
R4	27KΩ		BTS-27K	
R5	3.3Meg		BTS-3.3Meg	
R6	3300Ω		BTS-3300	
R7	820Ω		BTS-820	
R8	100KΩ		BTS-100K	
R9	2200Ω		BTS-2200	
R10	330KΩ		BTS-330K	
R11	1Meg		BTS-1Meg	
R12	1.2Meg		BTS-1.2Meg	
R13	18KΩ		BTS-18K	
R14	27KΩ		BTS-27K	
R15	2.2Meg		BTS-2.2Meg	
R17	3000Ω		BTS-3000	

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

PARTS LIST AND DESCRIPTIONS (Continued) **TRANSFORMER (POWER)**

ITEM No.	RATING			REPLACEMENT DATA			
	PRI.	SEC. 1	SEC. 2	MC INTOSH PART No.	Slancor PART No.	Merit PART No.	Thordarsen PART No.
T1	117/125 VAC @ 1.03A	75VCT	6.3VAC @ 3A	M-152-B	PC-84100		

① Drill new mounting holes.

TRANSFORMER (AUDIO OUTPUT)

ITEM No.	IMPEDANCE			REPLACEMENT DATA				NOTES
	PRI. 1	SEC. 1	CT	MC INTOSH PART No.	Slancor PART No.	Merit PART No.	Thordarsen PART No.	
T2	16Ω	16Ω	tap @ 30-40	M-150-B				

COILS (RF-IF)

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

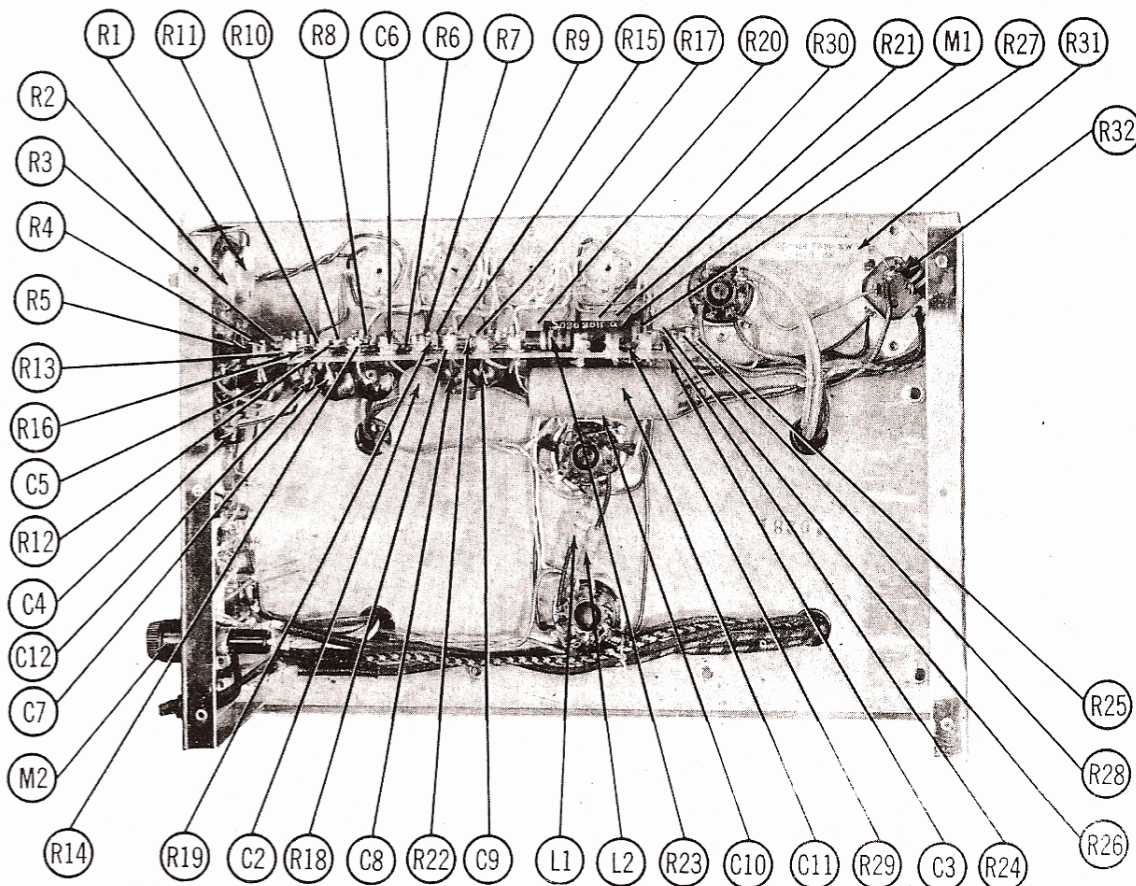
SELENIUM RECTIFIER

ITEM No.	RATING	REPLACEMENT DATA				NOTES
		FEDERAL PART No.	MC INTOSH PART No.	INTERNATIONAL PART No.	RADIO RECEPTOR PART No.	
M1	.004ADC	8A25P		V-20EP	026-28B-Q	

FUSES

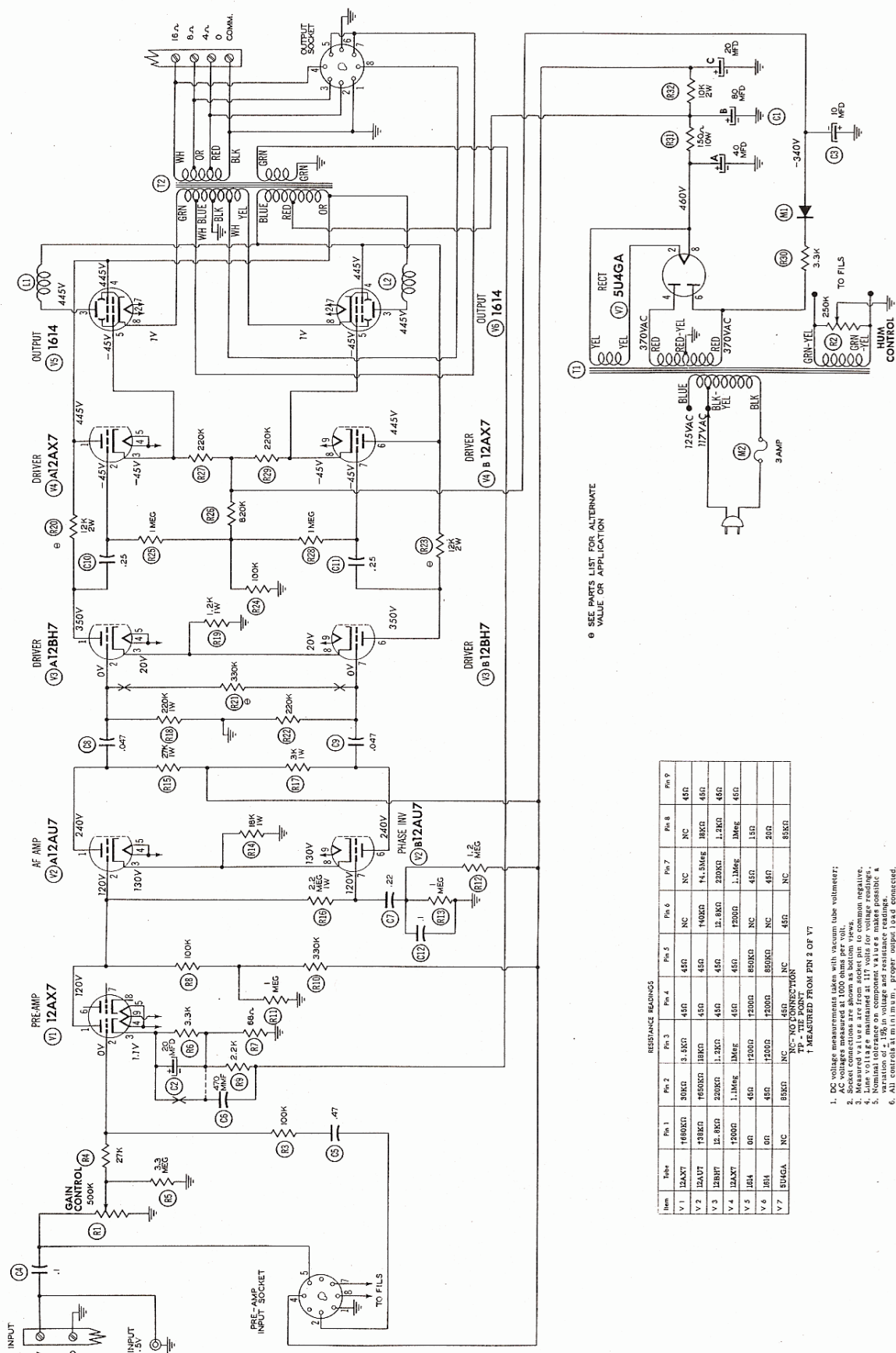
ITEM No.	TYPE	RATING	REPLACEMENT DATA			
			MC INTOSH PART No.	FUSE	HOLDER	BUSS PART No.
M2	3AG	3A 250V		312002 (3AG -3A)	342001	AGC 3

CHASSIS—BOTTOM VIEW



MC INTOSH
MODEL MC-30

MC INTOSH
MODEL MC-30



SEE PARTS LIST FOR ALTERNATE
VALUE OR APPLICATION

RESISTANCE READINGS

Item	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8	Pin 9
V1 12AX7	160KΩ	30KΩ	3.5KΩ	45Ω	NC	NC	NC	NC	45Ω
V2 12AU7	138KΩ	18KΩ	18KΩ	45Ω	100KΩ	14.5MΩ	10KΩ	45Ω	45Ω
V3 12BH7	12.8KΩ	220KΩ	1.2KΩ	45Ω	12.8KΩ	220KΩ	1.2KΩ	45Ω	45Ω
V4 12AX7	1500Ω	1.1MΩ	1MΩ	45Ω	1500Ω	1.1MΩ	1MΩ	45Ω	45Ω
V5 1614	0Ω	45Ω	1200Ω	1200Ω	800KΩ	NC	45Ω	15Ω	45Ω
V6 1614	0Ω	45Ω	1200Ω	1200Ω	800KΩ	NC	45Ω	15Ω	45Ω
V7 5U4GA	NC	85KΩ	NC	45Ω	NC	45Ω	NC	85KΩ	NC

† MEASURED FROM PIN 2 OF V1

- DC voltage measurements taken with vacuum tube voltmeter; AC voltage measurements taken with VTVM.
- Socket connections are shown as bottom views.
- Measured values are from socket pin to common negative.
- Resistor values are nominal values; tolerance is ±5%.
- Nominal tolerance on component values; make possible a variation of ±15% in voltage and resistance readings.
- All controls at minimum, proper output load connected.