PHOTOFACT* Folder

*TRADE MARK

MC INTOSH MODELS C-8 (Revised), C-8P (Revised), D-8A

MC INTOSH MODELS C-8 (Revised), C-8P (Revised), D-8A

MODEL C-8

MC INTOSH MODELS C-8 (Revised), C-8P (Revised), D-8A

TRADE NAME	Mc Intosh Models C-8, C-8P (Includes D-8A Power Supply) Serial #10600 and Higher
MANUFACTURER	Mc Intosh Laboratory, Inc., 2 Chambers Street, Binghamton, N. Y.
TYPE SET	Five Channel Audio Preamplifier
TUBES (Three)	Types 12AX7 Mic-Phono Preamplifier, 12AX7 Cathode Follower, 12AX7 AF Amp.-Cath. Follower
POWER SUPPLY	C-8: Externally Powered C-8P: 110-120 Volts AC-60 Cycles

HOWARD W. SAMS & CO., INC. Indianapolis 6, Indiana

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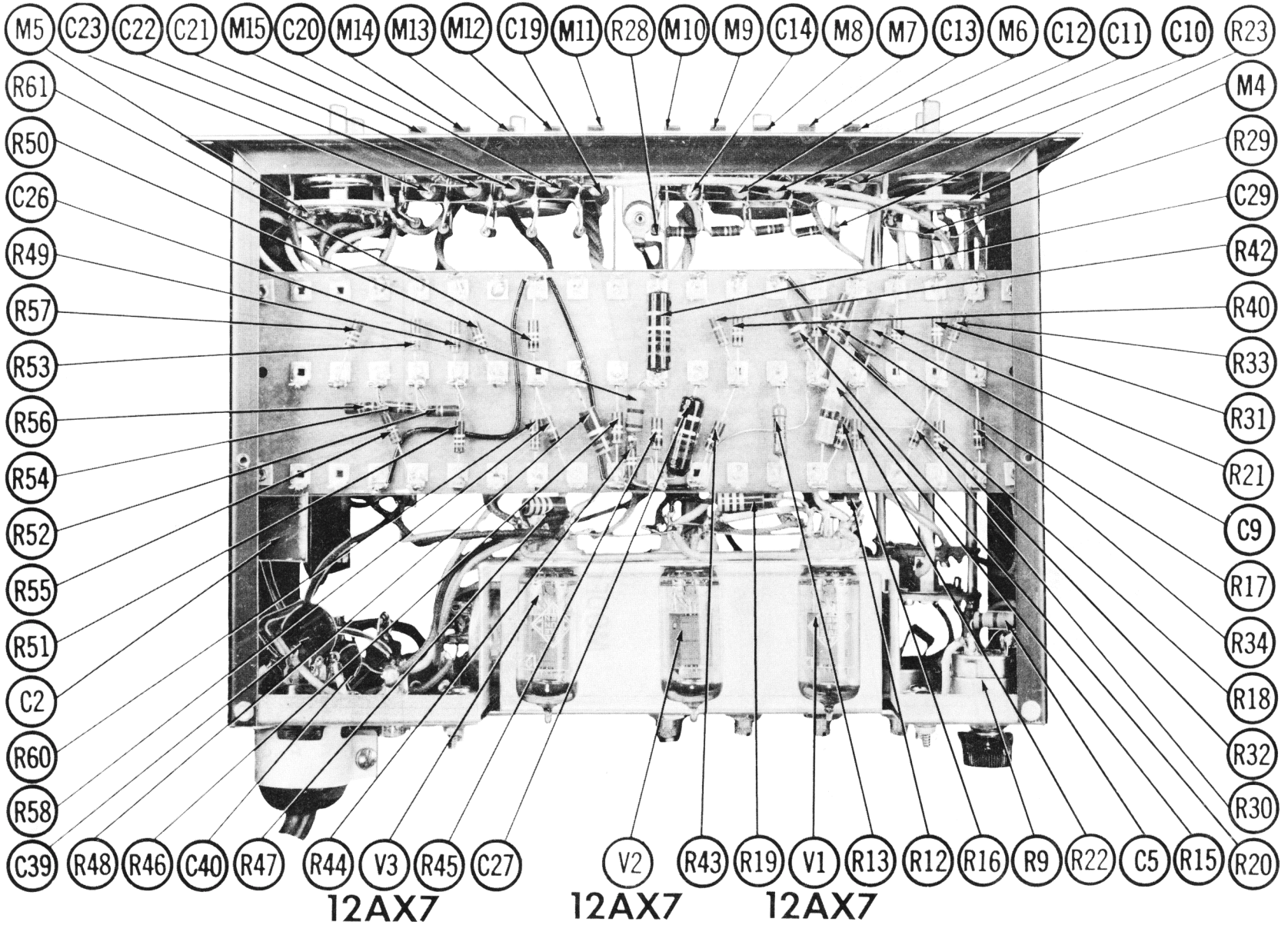
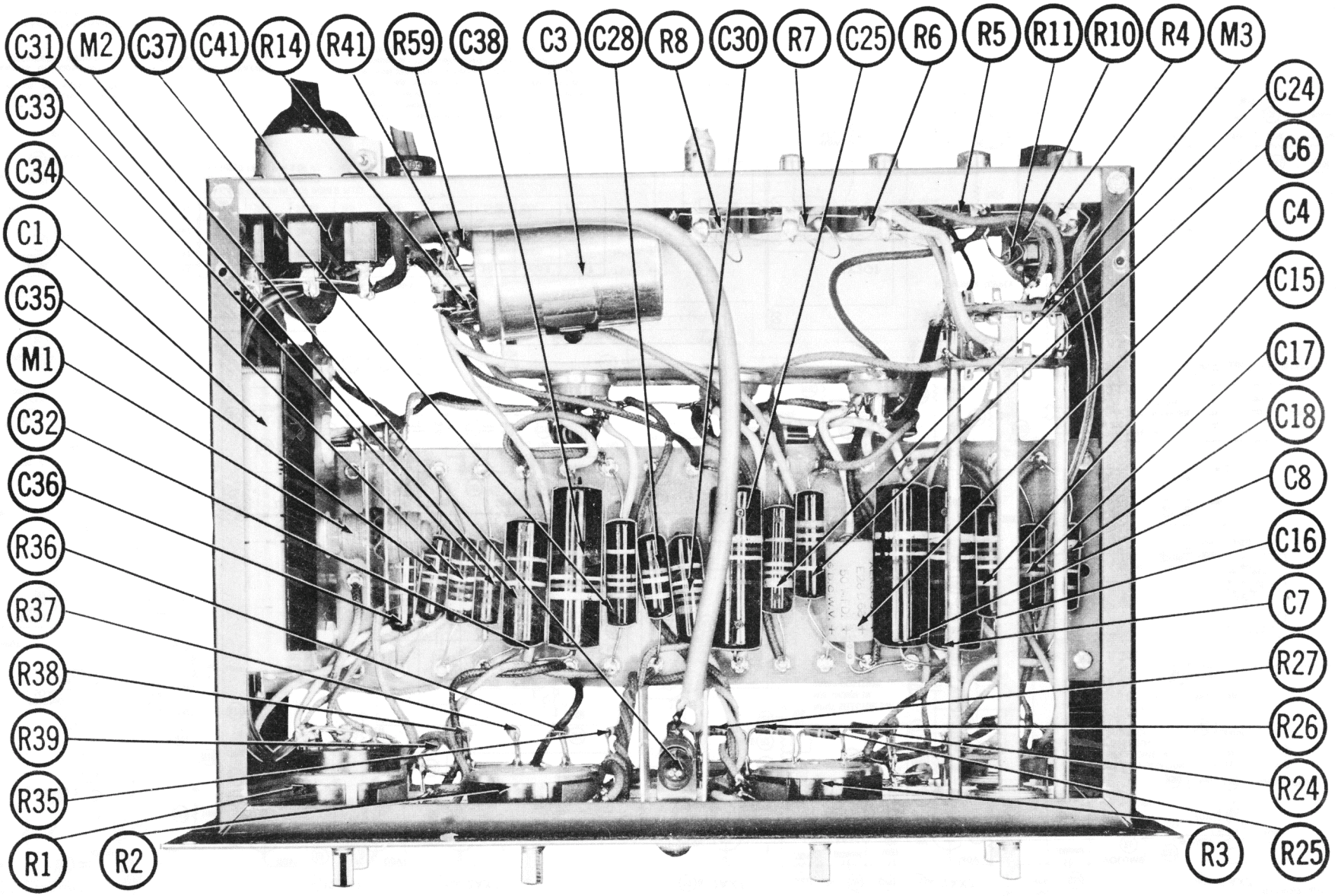
SET 424 FOLDER 10



CHASSIS-TOP VIEW



CHASSIS BOTTOM VIEW

PARTS LIST AND DESCRIPTIONS

TUBES (GENERAL ELECTRIC, SYLVANIA)

ITEM No.	USE	TYPE	NOTES
V1	Phono-Mic Preamp.	12AX7	
V2	Cathode Follower	12AX7	
V3	AF Amp.-Cath. Follower	12AX7	

ELECTROLYTIC CAPACITORS

ITEM No.	RATING CAP.	RATING VOLT.	McIntosh PART No.	AEROVOX PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	PYRAMID PART No.	SANGAMO PART No.	SPRAGUE PART No.
C1	2000	15		PRS15V2000	BR20001				R2425 *
C2	2000	15		PRS15V2000	BR20001				R2425 *
C3A	▲ 20	400		AFH3-36	B0430			T-635	R2317 *
B	■ 30	300			BR2045			MT-4510	
C	▲ 30	250							
C4	50	6		SRE6V50	BBR50-6	TT6X50	TD-50-6	MMT-650	TVA-1100

* Not normally in distributors stock. Available thru distributor on order to manufacturer.

FIXED CAPACITORS

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

ITEM No.	RATING CAP.	RATING VOLT	McIntosh PART No.	AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.	NOTES
C5	100			SI100	D6-101	LT6T1	UC-531	5GA-T1	
C6	.033	400		P488N-033	DF-303	CUB6S33	GEM-4133	4TM-S3	
C7	.47	200		P288N-47		CUB2P47	GEM-2047	2TM-P47	
C8	.47	200		P288N-47		CUB2P47	GEM-2047	2TM-P47	
C9	1500			SI1500	D6-152	LT6D15	UC-5215	5HK-D15	
C10	330			SI330	D6-331	LT6T33	UC-5333	5GA-T33	
C11	470			SI470	D6-471	LT6T47	UC-5347	5GA-T47	
C12	750			SI750	D6-751	LT6T75	UC-5375	5GA-T75	
C13	1000			SI1000	D6-102	LT6D1	UC-521	5HK-D1	
C14	1500			SI1500	D6-152	LT6D15	UC-5215	5HK-D15	
C15	.047	400							10%
C16	.022	400							10%
C17	.01	400					GEM-1611		10%
C18	.0047	400					GEM-16247		10%
C19	220			SI220	D6-221	LT6T22	UC-5322	5GA-T22	
C20	330			SI330	D6-331	LT6T33	UC-5333	5GA-T33	

CAPACITORS (cont)

ITEM No.	RATING CAP.	RATING VOLT	Mc Intosh PART No.	AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.	NOTES
C21	470			SI470	D6-471	LT6T47	UC-5347	5GA-T47	
C22	750			SI750	D6-751	LT6T75	UC-5375	5GA-T75	
C23	1000			SI1000	D6-102	LT6D1	UC-521	5GA-D1	
C24	.033	400		P488N-033	DF-303	CUB6S33	GEM-4133	4TM-S3	
C25	.47	200		P288N-47		CUB2P47	GEM-2047	2TM-P47	
C26	100			SI100	D6-101	LT6T1	UC-531	5GA-T1	
C27	.001	400					GEM-1621		10%
C28	.01	400					GEM-1611		10%
C29	.0022	400							10%
C30	.022	400							10%
C31	.1	400		P488N-1	DF-104	CUB4P1	GEM-401	4TM-P1	
C32	100			SI100	D6-101	LT6T1	UC-531	5GA-T1	
C33	.001	400					GEM-1621		10%
C34	.0047	400					GEM-16247		10%
C35	.01	400					GEM-1611		10%
C36	.01	400					GEM-1611		10%
C37	.033	400		P488N-033	DF-303	CUB6S33	GEM-4133	4TM-S3	
C38	.47	200		P288N-47		CUB2P47	GEM-2047	2TM-P47	
C39A	10000			BPD-2X01	DD3-103	BYD6DS1	DC511	5HK-2S1	
B	10000						DC511		
C40A	10000			BPD-2X01	DD3-103	BYD6DS1	DC511	5HK-2S1	
B	10000						DC511		
C41	4700			BPD-0047	DD-472	BYA10D47M		5HK-D47	

CONTROLS

ITEM No.	RATING RESISTANCE	RATING WATTS	McIntosh PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	IRC PART No.	MALLORY PART No.	INSTALLATION NOTES
R1A	1meg	1	2015125	B-69	A47-1meg-Z	Q13-137	U53	Volume
B	Shaft			Not Req.	KSS-3	Not Req.	Not Req.	
C	Switch			KB-1 or KR-1*	SWE-20	76-2	US-27	Power On-Off
R2A	250K	1	1-010-2144	B-51	A47-250K-Z	Q13-130	U44	Treble
B	Shaft			Not Req.	KSS-3	Not Req.	Not Req.	
R3A	1meg	1	1-010-2145	B-70	A47-1meg-Z	Q13-137	U53	Bass
B	Shaft			Not Req.	KSS-3	Not Req.	Not Req.	
R4A	100K	½	DA1132	AB-40	A47-100K-S	Q11-128	U41	Phono 2 Load
B	Shaft			AK-9	RS-2	PQ	Not Req.	
C	Switch			KB-2 or KR-2*	SWE-20	76-2	US-27	Constant Amplitude Cartridge
R5A	100K	½	DA1131	AB-41	A47-100K-Z	Q13-128	U39	Level Phono 2
B	Shaft			AK-1	FKS-1/4	RQ	Not Req.	

PARTS LIST AND DESCRIPTIONS (Continued)

CONTROLS (cont)

ITEM No.	RATING		REPLACEMENT DATA					INSTALLATION NOTES
	RESISTANCE	WATTS	Mc Intosh PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	IRC PART No.	MALLORY PART No.	
R6A	100K	½	DA1131	AB-41	A47-100K-Z	Q13-128	U39	Level Phono 1
B	Shaft			AK-1	FKS- 1/4	RQ	Not Req.	
R7A	100K	½	DA1131	AB-41	A47-100K-Z	Q13-128	U39	Level Mic
B	Shaft			AK-1	FKS- 1/4	RQ	Not Req.	
R8A	500K	½	DL3458	AB-60	A47-500K-Z	Q13-133	U48	Level Tuner
B	Shaft			AK-1	FKS- 1/4	RQ	Not Req.	
R9A	500K	½	DL3458	AB-60	A47-500K-Z	Q13-133	U48	Level Tape
B	Shaft			AK-1	FKS- 1/4	RQ	Not Req.	

* Use KR with CRL "Red Label" controls and KB with "Blue Label" controls.

RESISTORS

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

ITEM No.	RATING		McIntosh PART No.	NOTES
	OHMS	WATT		
R10	6800Ω			
R11	1000Ω 5%			
R12	1meg			
R13	220K			
R14	100K			
R15	1000Ω 5%	2		
R16	100K			
R17	3300Ω	1		
R18	1meg			
R19	330K	1		
R20	1800Ω	1		
R21	330K			
R22	22meg			
R23	22meg			
R24	22meg			
R25	22meg			
R26	22meg			
R27	22meg			
R28	22meg			
R29	3.3meg			
R30	1meg			
R31	220K			
R32	330K			
R33	680K			
R34	100K			
R35	10meg			
R36	10meg			
R37	10meg			
R38	10meg			
R39	10meg			
R40	100K			
R41	100K			
R42	1800Ω			
R43	100K			
R44	220K			
R45	100K			
R46	10K			
R47	330K	1		
R48	1800Ω	1		Note 1.
R49	10meg			
R50	560K			
R51	560K			
R52	10meg			
R53	180K			
R54	10meg			
R55	68K			
R56	10meg			
R57	33K			
R58	1meg			
R59	12K	2		
R60	1800Ω			
R61	100K			

Note 1. Some versions may use 1200Ω 1W. in this application.

SELENIUM RECTIFIER

ITEM No.	RATING	REPLACEMENT DATA				NOTES
	CURRENT (Measured)	McIntosh PART No.	FEDERAL PART No.	INTERNATIONAL PART No.	SARKES TARZIAN PART No.	
M1	.42A		1017	C1B	4N26-1D1-ZS	

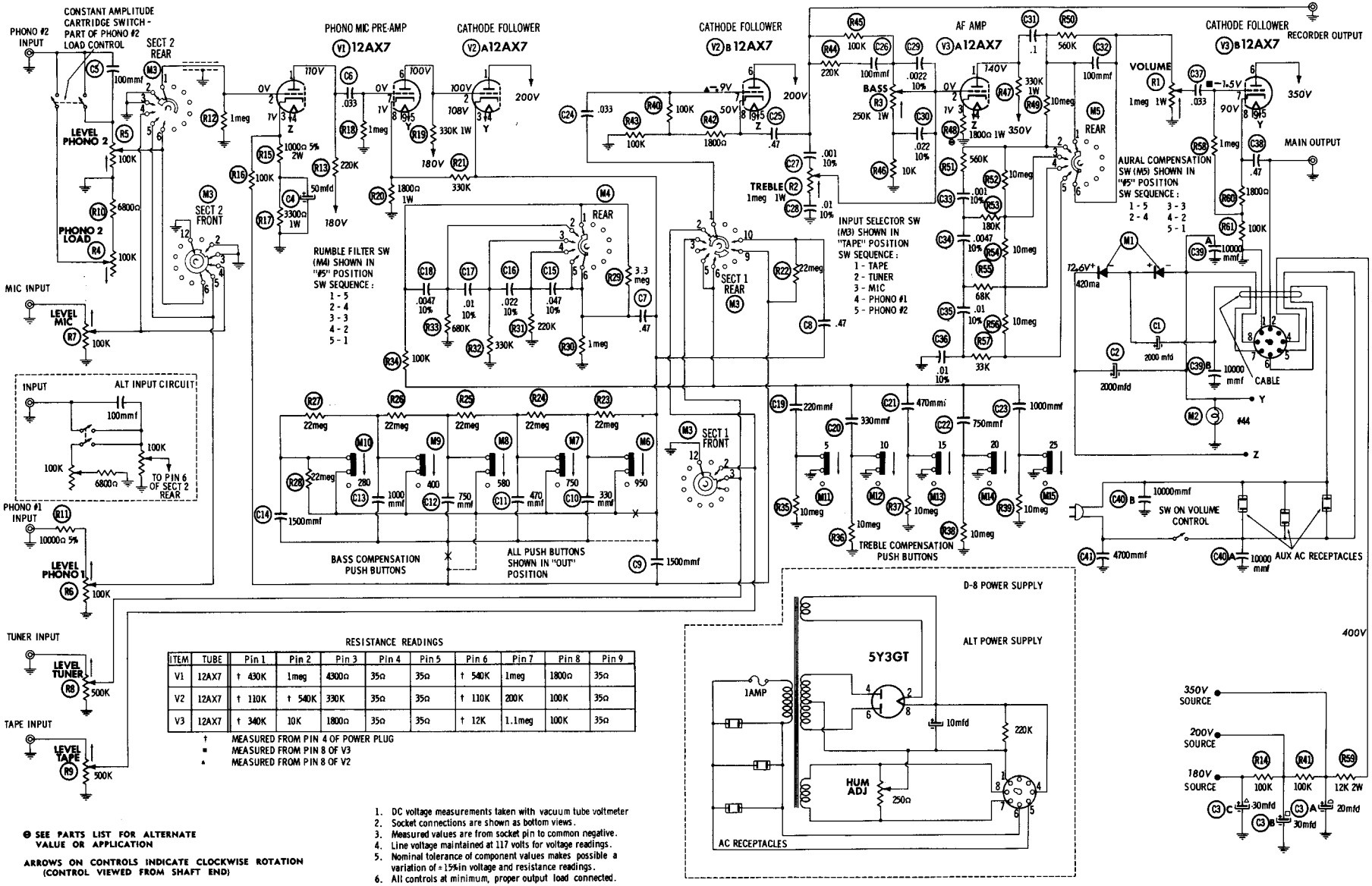
MISCELLANEOUS

ITEM No.	PART NAME	McIntosh PART No.	NOTES
M2	Lamp		#44
M3	Switch		Input Selevtor, Rotary, Wafer Type
M4	Switch		Rumble Filter, Rotary, Wafer Type
M5	Switch		Aural Compensation, Rotary, Wafer Type
M6	Switch		Record Compensator, 950, SPST, Slide Type
M7	Switch		Record Compensator, 750, SPST, Slide Type
M8	Switch		Record Compensator, 580, SPST, Slide Type
M9	Switch		Record Compensator, 400, SPST, Slide Type
M10	Switch		Record Compensator, 280, SPST, Slide Type
M11	Switch		Record Compensator, 5, SPST, Slide Type
M12	Switch		Record Compensator, 10, SPST, Slide Type
M13	Switch		Record Compensator, 15, SPST, Slide Type
M14	Switch		Record Compensator, 20, SPST, Slide Type
M15	Switch		Record Compensator, 25, SPST, Slide Type

WIRING DATA

General-use Unshielded Hook-up Wire ..... Use BELDEN No. 8530 (Solid) Available in Ten Colors
8524 (Stranded) Available in Ten Colors

Power Cord ..... Use BELDEN No. 1765-B (6 Ft. Length)
1725-K (7½ Ft. Length)



RESISTANCE READINGS

ITEM	TUBE	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8	Pin 9
V1	12AX7	† 430K	1meg	4300Ω	35Ω	35Ω	† 540K	1meg	1800Ω	35Ω
V2	12AX7	† 110K	† 540K	330K	35Ω	35Ω	† 110K	200K	100K	35Ω
V3	12AX7	† 340K	10K	1800Ω	35Ω	35Ω	† 12K	1.1meg	100K	35Ω

† MEASURED FROM PIN 4 OF POWER PLUG
■ MEASURED FROM PIN 8 OF V3
▲ MEASURED FROM PIN 8 OF V2

⊖ SEE PARTS LIST FOR ALTERNATE VALUE OR APPLICATION

ARROWS ON CONTROLS INDICATE CLOCKWISE ROTATION (CONTROL VIEWED FROM SHAFT END)

1. DC voltage measurements taken with vacuum tube voltmeter
2. Socket connections are shown as bottom views.
3. Measured values are from socket pin to common negative.
4. Line voltage maintained at 117 volts for voltage readings.
5. Nominal tolerance of component values makes possible a variation of ±15% in voltage and resistance readings.
6. All controls at minimum, proper output load connected.

A PHOTOFACT STANDARD NOTATION SCHEMATIC
Howard W. Sams & Co., Inc. 1958