

# MAINTENANCE MANUAL

# McIntosh

# MC275

## STEREO POWER AMPLIFIER

(Serial No.'s 275-10001 to 275-10147  
and 100E1 & above)

**VOLTAGE AND RESISTANCE CHART**

Tube	Pin No.	DC Volts No. Signal	AC Volts at rated output	Resistance in Ohms Unit Off
12AX7 (V1)	1	100	2.1	160K*
	2	0	.47	1M
	3	.95	.44	3.3K
	4 & 5	0	0	0
	6	100	2.1	160K*
	7	0	.47	1M
	8	.95	.44	3.3K
	9	0	6.3	
				12
12AU7 (V2 or V5)	1	240	12	160K*
	2	100	2.1	18K
	3	106	.96	0
	4 & 5	0	0	40K*
	6	240	12	2.4M**
	7	84	0	18K
	8	106	.96	0
	9	0	6.3	
				152
12BH7 (V3 or V6)	1	365	152	210K
	2	22	12	2.7K
	3	40	.7	0
	4 & 5	0	0	0
	6	365	152	12K
	7	22	12	210K
	8	40	.7	2.7K
	9	0	6.3	0
				112
12AZ7 (V4 or V7)	1	205	112	1M
	2	-57	152	170K
	3	-57	149	0
	4 & 5	0	0	0
	6	205	112	38**
	7	-57	152	1M
	8	-57	149	170K
	9	0	6.3	0
				0 or 6.3
KT88/6550 (V8, V9, V10, V11)	1	0	0 or 6.3	0
	2	0	116	38
	3	450	112	260
	4	450	149	170K
	5	-57		
	6	0	6.3 or 0	6
	7	0	116	15
	8	.6		

\*This resistance measured with condenser C25A shorted to ground.  
 \*\*This resistance measured with condenser C24B shorted to ground.  
 High impedance VTVM is used to measure the operating voltages.

**600A/70.7 OUTPUT RECEPICAL CONNECTIONS**

**PIN 1-GROUND, 70.7 V RETURN, AND 600 A C.T.**

**PINS 1 AND 7- LEFT 70.7 V OUTPUT**

**PINS 2 AND 3 - LEFT 600 A OUTPUT**

**PINS 1 AND 8 - RIGHT 70.7 V OUTPUT**

**PINS 4 AND 5- RIGHT 600 A OUTPUT**

**SINGLE CHANNEL (MONO) OUTPUT NOTE**

**FOR SINGLE CHANNEL OUTPUT  
 PARALLEL OR SERIES CONNECT  
 THE L AND R OUTPUTS TO OBTAIN  
 DESIRED OUTPUT IMPEDANCE.**

**\* 5% TOLERANCE RESISTORS**

**A FOLLOWING COMPONENTS ARE  
 MATCHED TO 1%:**

- R11 AND R36**
- R13 AND R38**
- R24 AND R27**
- R49 AND R52**



Special components used in the MC275 are listed below. These components are designed and built specifically for the MC275. They may be purchased directly from McIntosh Laboratory by ordering from the Service Department. Be sure to mention "Schematic No.," description, and model and serial number for your amplifier when ordering parts.

SCHEMATIC NO.	DESCRIPTION
C24,C25,C26,C27 L1, L2, L3, L4 L5 R1, R2, R3 R7	Filter Capacitor 100/30 mfd 500/450V RF Choke Filter Choke Gain Control, 250K Balance Control
R59	Thermistor
S2	Input Selector Switch
SR1,SR2,SR3,SR4 SR5	Silicon Rectifier, 600 PIV at 500 MA Selenium Rectifier, 400 PIV at 75 MA
T1	Output Transformer, Type M-216A
T2	Output Transformer, Type M-216B
T3	Power Transformer, Type M-215

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