

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	
12AU7 (V2 or V5)	1	240	12	37K*
	2	100	2.1	160K*
	3	106	.96	18K
	4 & 5	0	0	0
	6	240	12	40K*
	7	84	0	2.4M"
	8	106	.96	18K
	9	0	6.3	0
12BH7 (V3 or V6)	1	365	152	12K*
	2	22	12	210K
	3	40	.7	2.7K
	4 & 5	0	0	0
	6	365	152	12K
	7	22	12	210K
	8	40	.7	2.7K
	9	0	6.3	0
12AZ7 (V4 or V7)	1	205	112	38**
	2	-57	152	1M
	3	-57	149	170K
	4 & 5	0	0	0
	6	205	112	38**
	7	-57	152	1M
	8	-57	149	170K
	9	0	6.3	0
KT88/6550 (V8, V9, V10, V11)	1			
	2	0	0 or 6.3	0
	3	450	116	38
	4	450	112	260
	5	-57	149	170K
	6			
	7	0	6.3 or 0	6
	8	.6	116	15

"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 RECEPTICAL 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	Filter Capacitor 100/30 mfd 500/450V
L1, L2, L3, L4	RF Choke
L5	Filter Choke
R1, R2, R3	Gain Control, 250K
R7	Balance Control
R59	Thermistor
S2	Input Selector Switch
SR1,SR2,SR3,SR4	Silicon Rectifier, 600 PIV at 500 MA
SR5	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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