SCHEMATIC DIAGRAM

FOR

MODEL MC 250
SOLID STATE
STEREO POWER AMPLIFIER

STARTING WITH SERIAL NO. 10L01

McINTOSH LABORATORY INC.
2 CHAMBERS STREET
BINGHAMTON, N. Y. 13903

038-155

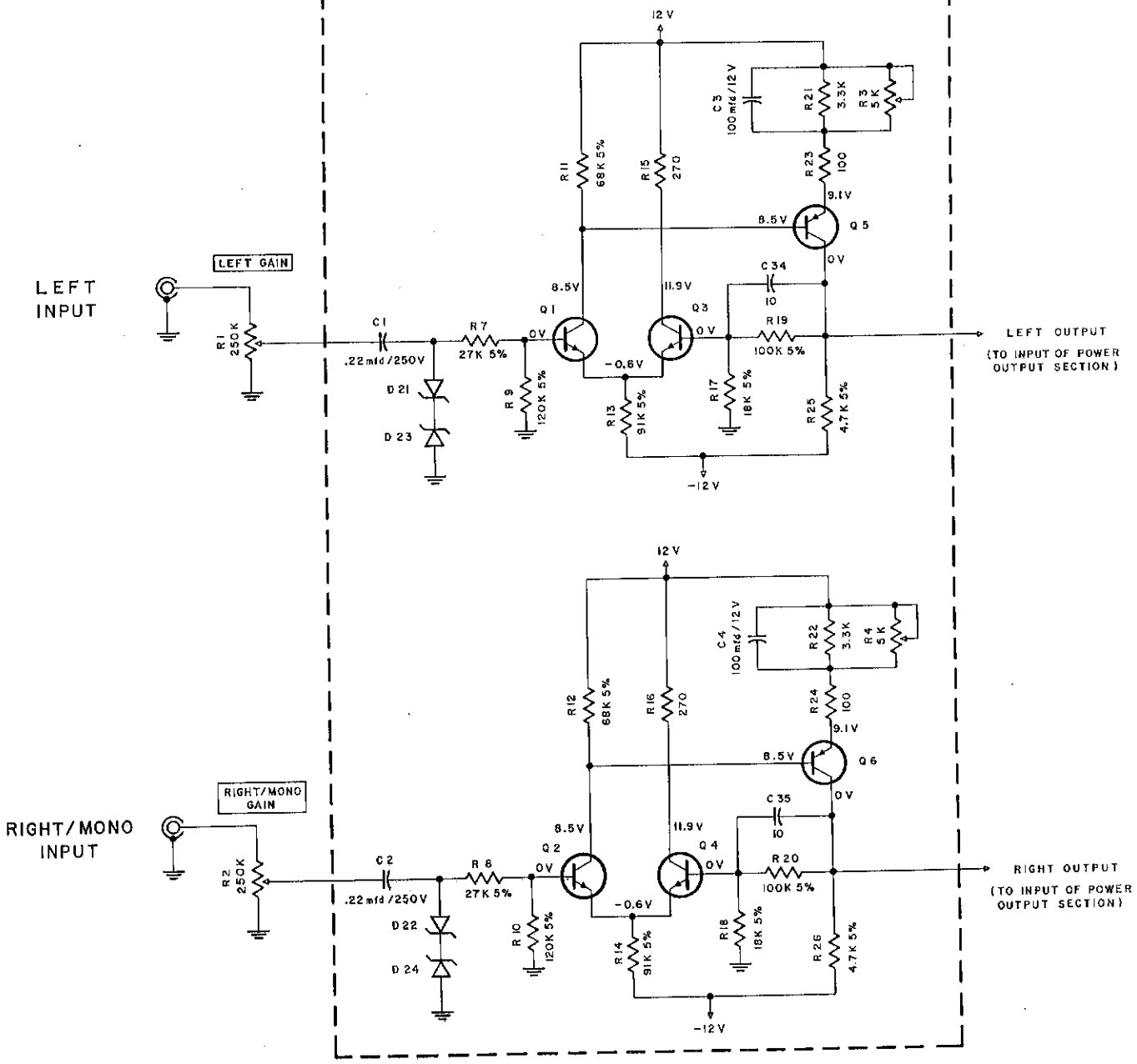
Unless otherwise specified, resistance values are in ohms, 1/2 watt, and 10% tolerance. Capacitance values smaller than 1 are in microfarads (MF); values greater than 1 are in picofarads (PF). Inductors are in microhenries.

All voltages are measured under the following conditions:

1. Use of an 11 megohm input impedance VTVM voltmeter.
2. All voltages ±10% with respect to ground.
3. No signal at input terminals.
4. AC input at 117 volts, 50/60 cycles.
5. Front panels controls at:

Left Gain	Fully Counterclockwise
Right Gain	Fully Counterclockwise
Mode	Stereo

INPUT SECTION PRINTED CIRCUIT BOARD



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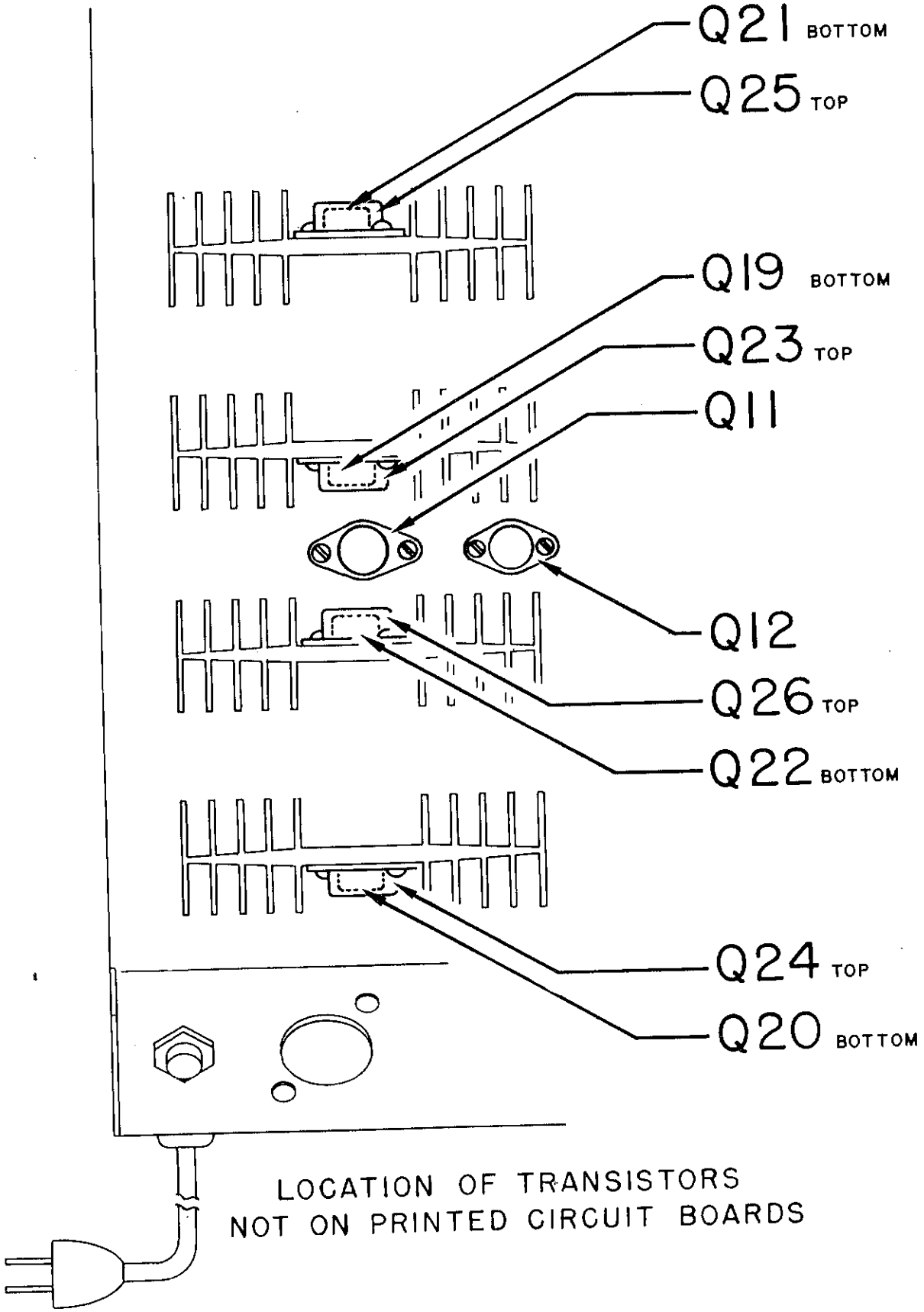
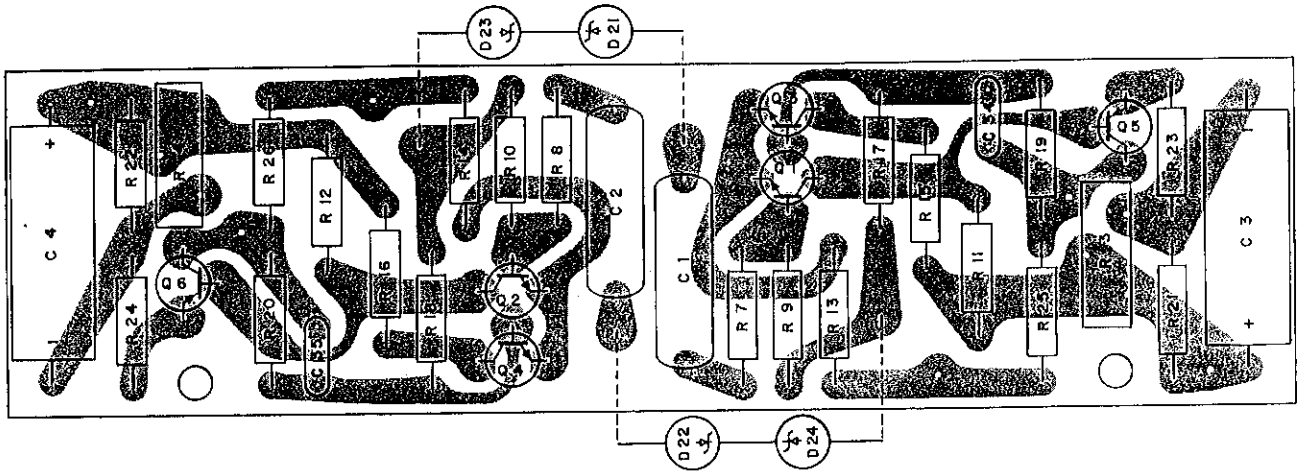
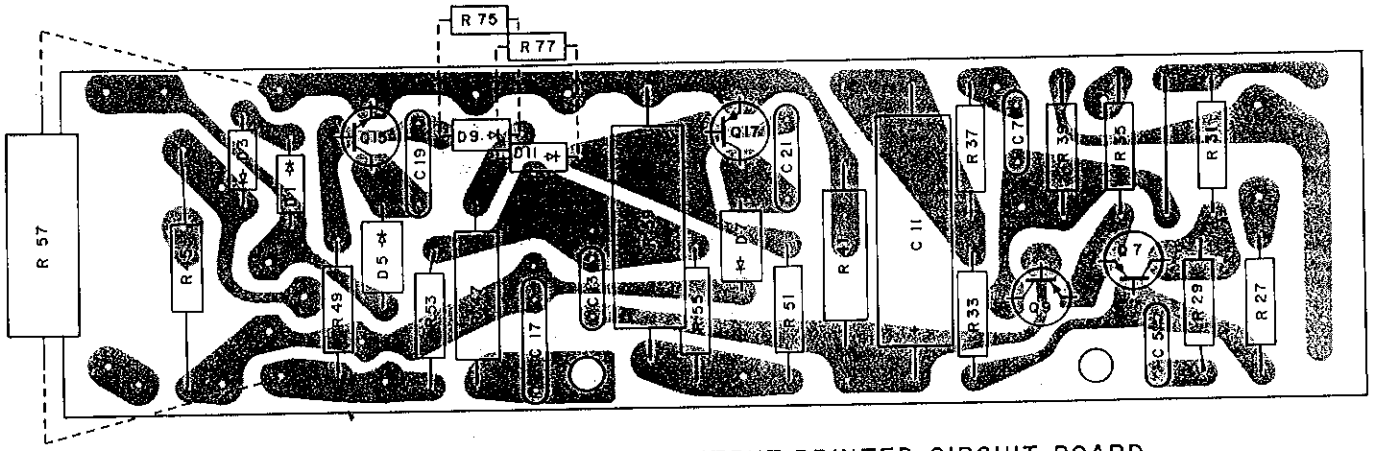
SCHEMATIC DIAGRAM	
INPUT SECTION MODEL MC 250 STEREO POWER AMPLIFIER	
SCHEMATIC NO. 154 - 245	REVISION



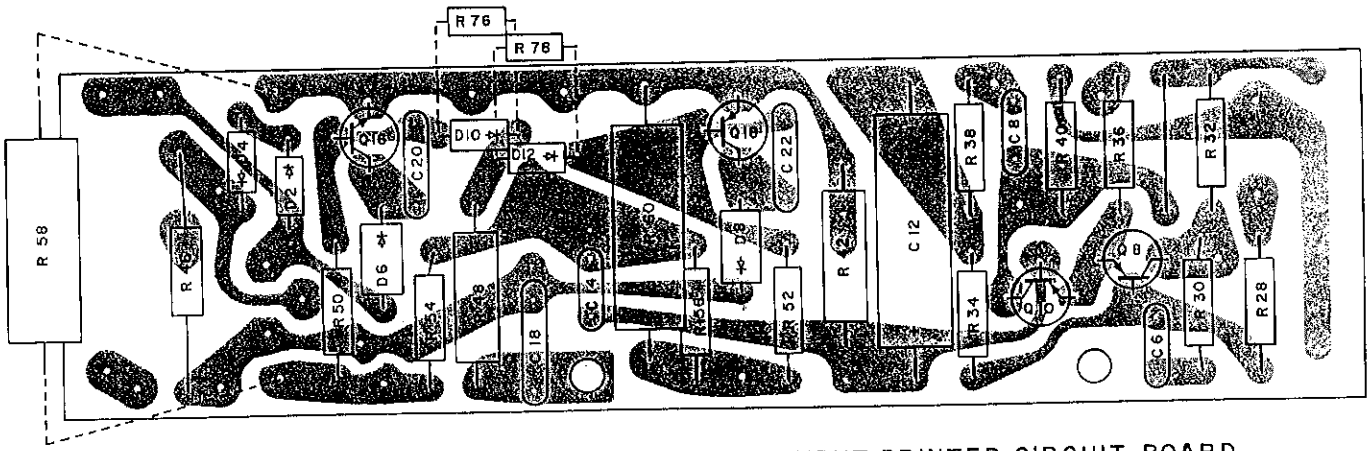
LOCATION OF TRANSISTORS
NOT ON PRINTED CIRCUIT BOARDS

INPUT SECTION PRINTED CIRCUIT BOARD

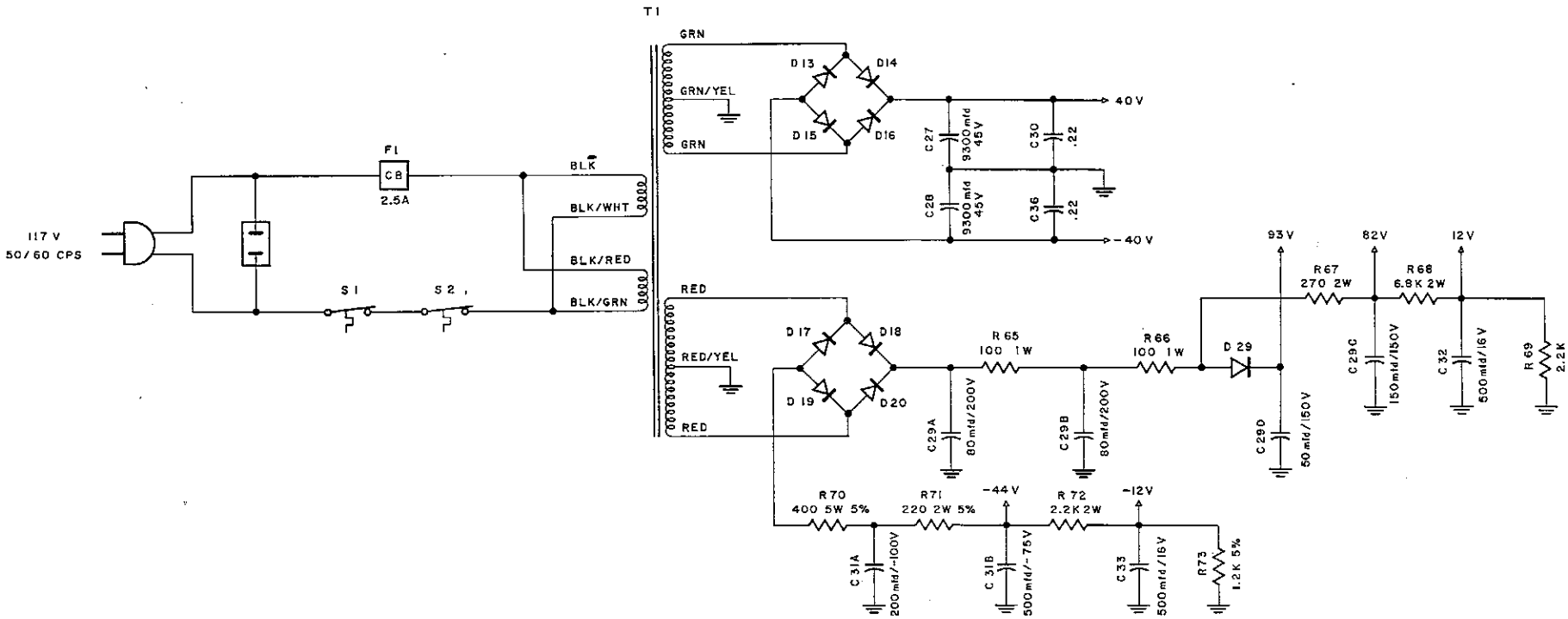




LEFT CHANNEL POWER OUTPUT PRINTED CIRCUIT BOARD



RIGHT CHANNEL POWER OUTPUT PRINTED CIRCUIT BOARD



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SCHEMATIC DIAGRAM

POWER SUPPLY SECTION

MODEL MC 250

STEREO POWER AMPLIFIER

SCHEMATIC NO. 154 - 247

REVISION

LEFT CHANNEL POWER OUTPUT PRINTED CIRCUIT BOARD

LEFT INPUT
(TO LEFT OUTPUT OF INPUT SECTION)

93 V
R35 30K 5%
Q7 0.65V 15mV
Q9 15mV -44V
R27 1.8K 5%
-42.5V
R33 3.3K
C5 100
R29 220
C7 .005
R37 270 5%
C11 330 mfd/3V
R31 1K 5%

D1
D3
D5 1.0V
C19 .047
Q15 15mV 0V
R75 470 1/4W
D9
R49 100
R53 130 3%
R57 .33 5W
R41 1.8K 1W 5%
C13 680 10%
R47 1.2K 1W
R45 12
Q17 -25mV -1.0V
R77 470 1/4W
D11
R55 220
R59 .56 5W
C21 .047
R51 100
D7
C17 .0012 10%
R39 33 5%
-44 V

82 V
R43 3.6K 10W 5%
Q19 1.3V
0.65V
R61 47
C23 .0047
Q23 15mV
40 V
D25
-25mV
Q21 -0.6V
-42.5V
Q11
-43.1V
-39.4 V
R79 10
-39.4 V
Q25
R63 47
C25 .0047
D27
-40V

T3
GRN/WHT 16Ω
GRN 8Ω
GRY
BRN/WHT 4Ω
BRN COM

LEFT OUTPUT

STEREO
MONO
S3 MODE SELECTOR
MONO
STEREO
STEREO
R74 22

RIGHT INPUT
(TO RIGHT OUTPUT OF INPUT SECTION)

93 V
R36 30K 5%
Q8 0.65V 15mV
Q10 15mV -44V
R28 1.8K 5%
-42.5V
R34 3.3K
C6 100
R30 220
C8 .005
R38 270 5%
C12 330 mfd/5V
R32 1K 5%

D2
D4
D6 1.0V
C20 .047
Q16 15mV 0V
R76 470 1/4W
D10
R50 100
R54 130 5%
R56 220
R42 1.8K 1W 5%
C14 680 10%
R48 1.2K 1W
R46 12
Q18 -25mV -1.0V
R78 470 1/4W
D12
R52 100
C22 .047
D8
C18 .0012 10%
R 33

82 V
R44 3.6K 10W 5%
Q20 1.3V
0.65V
R62 47
C24 .0047
Q24 15mV
40 V
D26
-25mV
Q22 -0.6V
-42.5V
Q12
-43.1V
-39.4 V
R80 10
-39.4 V
Q26
R64 47
C26 .0047
D28
-40V

T2
GRN/WHT 16Ω
GRN 8Ω
GRY
BRN/WHT 4Ω
BRN COM

RIGHT OUTPUT

RIGHT CHANNEL POWER OUTPUT PRINTED CIRCUIT BOARD

McINTOSH LABORATORY INC.

SCHEMATIC DIAGRAM

POWER OUTPUT SECTION
MODEL MC250
STEREO POWER AMPLIFIER

SCHEMATIC NO. 154-246

REVISION