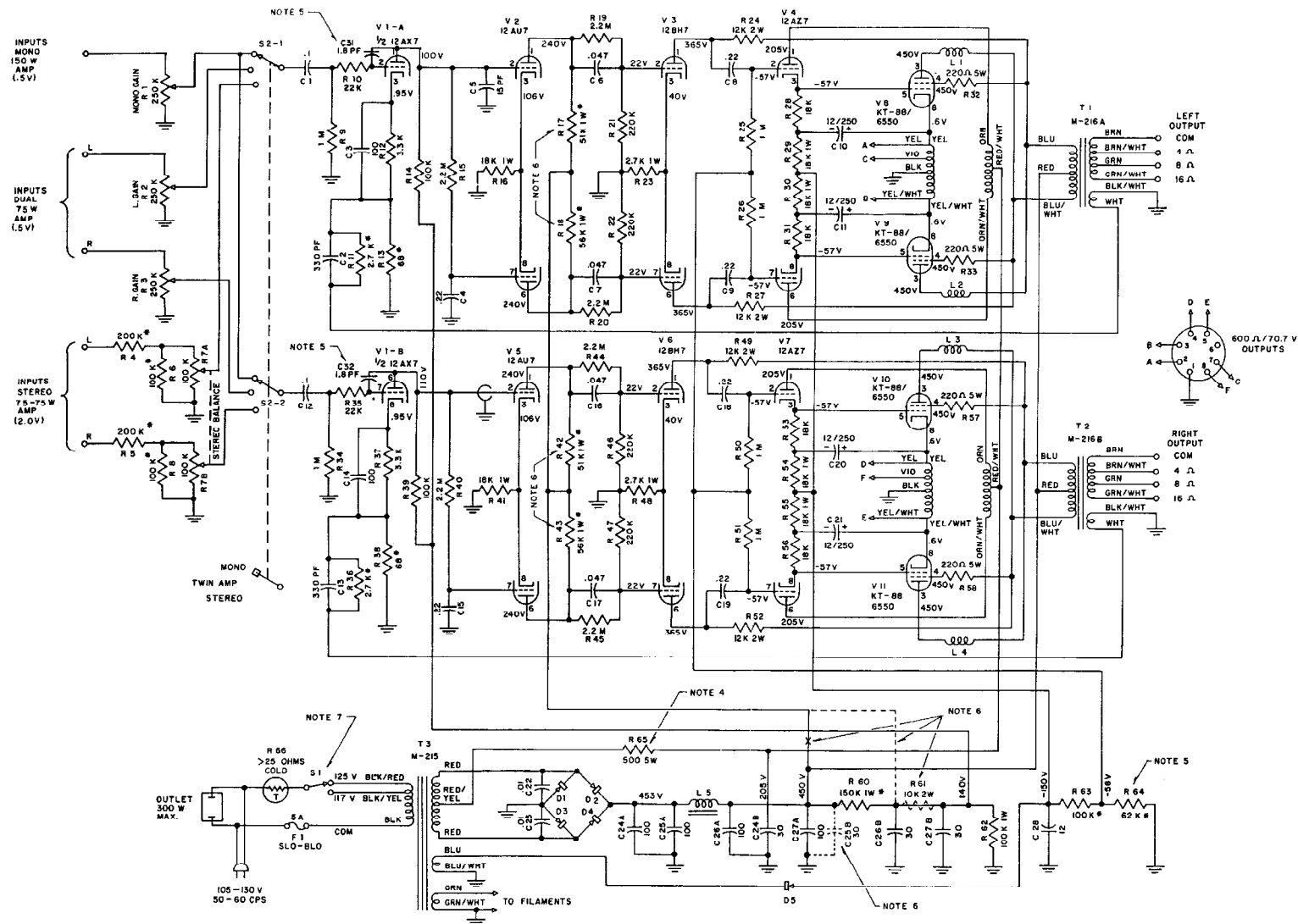






# MC-30 POWER AMP

McIntosh

## OUTPUT SOCKET CONNECTIONS

4 OHMS - PINS 1 & 2  
8 OHMS - PINS 1 & 3  
16 OHMS - PINS 1 & 4  
600 OHMS - PINS 7 & 8  
70.7 VOLTS - PINS 5 & 6  
PIN 6 IS GROUND AND 600 OHM CT

## PREAMP INPUT SOCKET CONNECTIONS

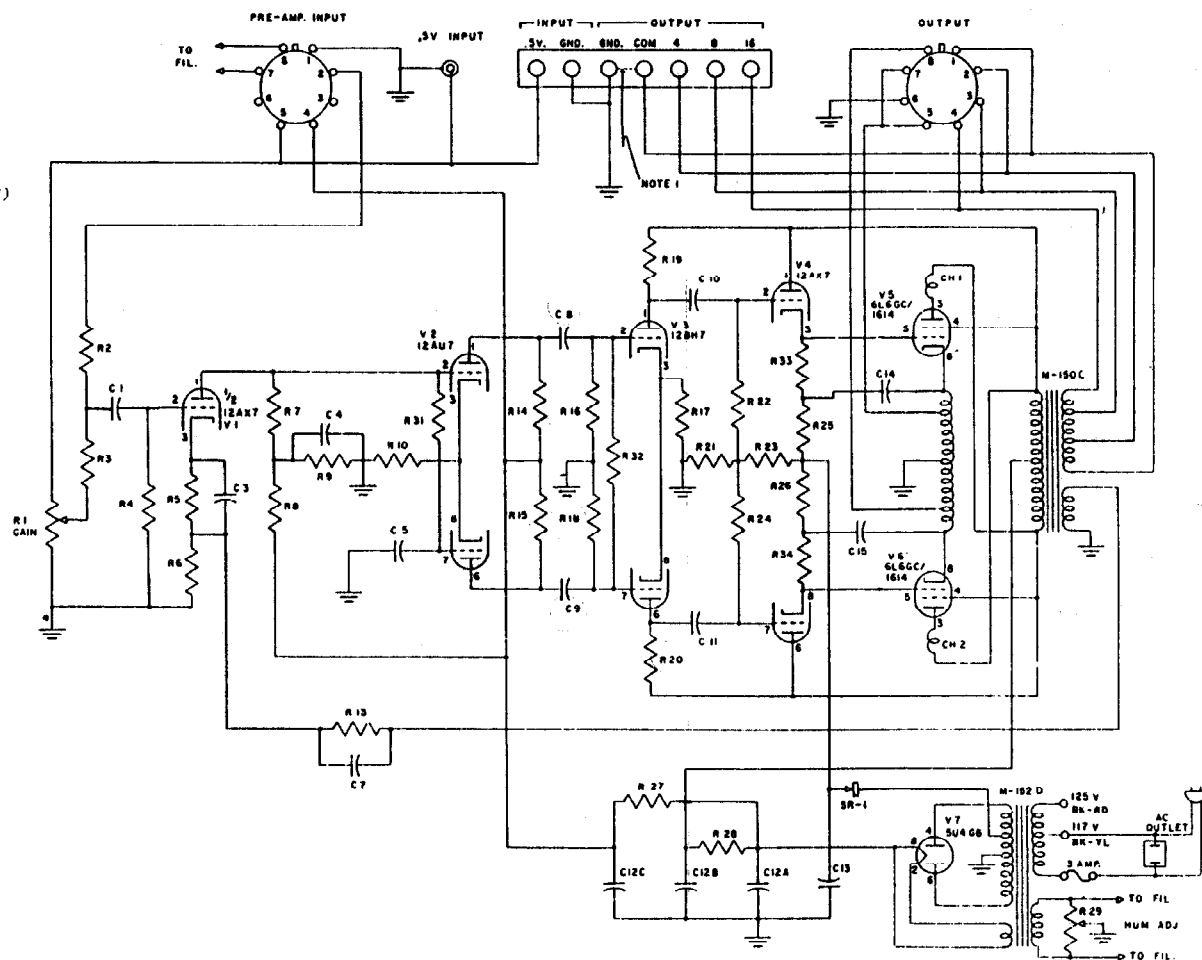
PIN 1 - GROUND  
PIN 2 - PREAMP INPUT (2.5V)  
PIN 3 - Not Used  
PIN 4 - 110V B+ at 3.5MA  
PIN 5 - 0.5 VOLT INPUT  
PIN 6 - Not Used  
PIN 7 & 8 - 6.3V at 1A

C1 .1MF, 250V  
C2 Not Used  
C3 100 MF, 12V  
C4 8MF, 250V  
C5 .22MF, 100V  
C6 Not Used  
C7 470MFD, 500V  
C8 .02MF, 10V, 500V  
C9 .047MF, 10V, 500V  
C10 .22MF, 500V, FILM  
C11 .22MF, 500V, FILM  
C12A 35MF, 500V  
C12B 80MF, 500V  
C12C 15MF, 450V  
C13 8MF, 250V  
C14 .47MF, 200V  
C15 .47MF, 200V

R1 250K, 100  
R2 100K  
R3 27K  
R4 1M  
R5 3.3K  
R6 68 OHMS, 5%  
R7 100K  
R8 330K  
R9 500K  
R10 15K, 1W  
R11 Not Used  
R12 Not Used  
R13 2.2K, 5%  
R14 27K, 5%  
R15 5K, 5%  
R16 22K  
R17 1.2K  
R18 220K  
R19 12K, 2W  
R20 12K, 2W  
R21 56K, 5%  
R22 1M  
R23 100K, 5%  
R24 1M  
R25 56K  
R26 56K  
R27 10K, 10W  
R28 150 OHMS, 10W  
R29 Not Used  
R30 Not Used  
R31 Not Used  
R32 Not Used  
R33 56K  
R34 56K

\* MATCHED TO 1%

SRI 400P/F, 10MA



| REVISIONS |      |    |        | McINTOSH LABORATORY, INC. |           |
|-----------|------|----|--------|---------------------------|-----------|
| NO.       | DATE | BY | REASON | DESIGNED BY               | TESTED BY |
| 1         |      |    |        |                           |           |
| 2         |      |    |        |                           |           |
| 3         |      |    |        |                           |           |
| 4         |      |    |        |                           |           |
| 5         |      |    |        |                           |           |
| 6         |      |    |        |                           |           |
| 7         |      |    |        |                           |           |
| 8         |      |    |        |                           |           |
| 9         |      |    |        |                           |           |
| 10        |      |    |        |                           |           |

# MC-30 TYPE A 116b

McIntosh

## Classic Circuitry

Courtesy of Gary Galo, Potsdam, NY

### Output Connections Using Octal Socket

4 ohms - pins 1 and 2  
8 ohms - pins 1 and 3  
16 ohms - pins 1 and 4  
600 ohms - pins 7 and 8  
(pin 6 is CT and ground)  
70.7 Volts - pins 5 and 6  
(pin 6 as ground)

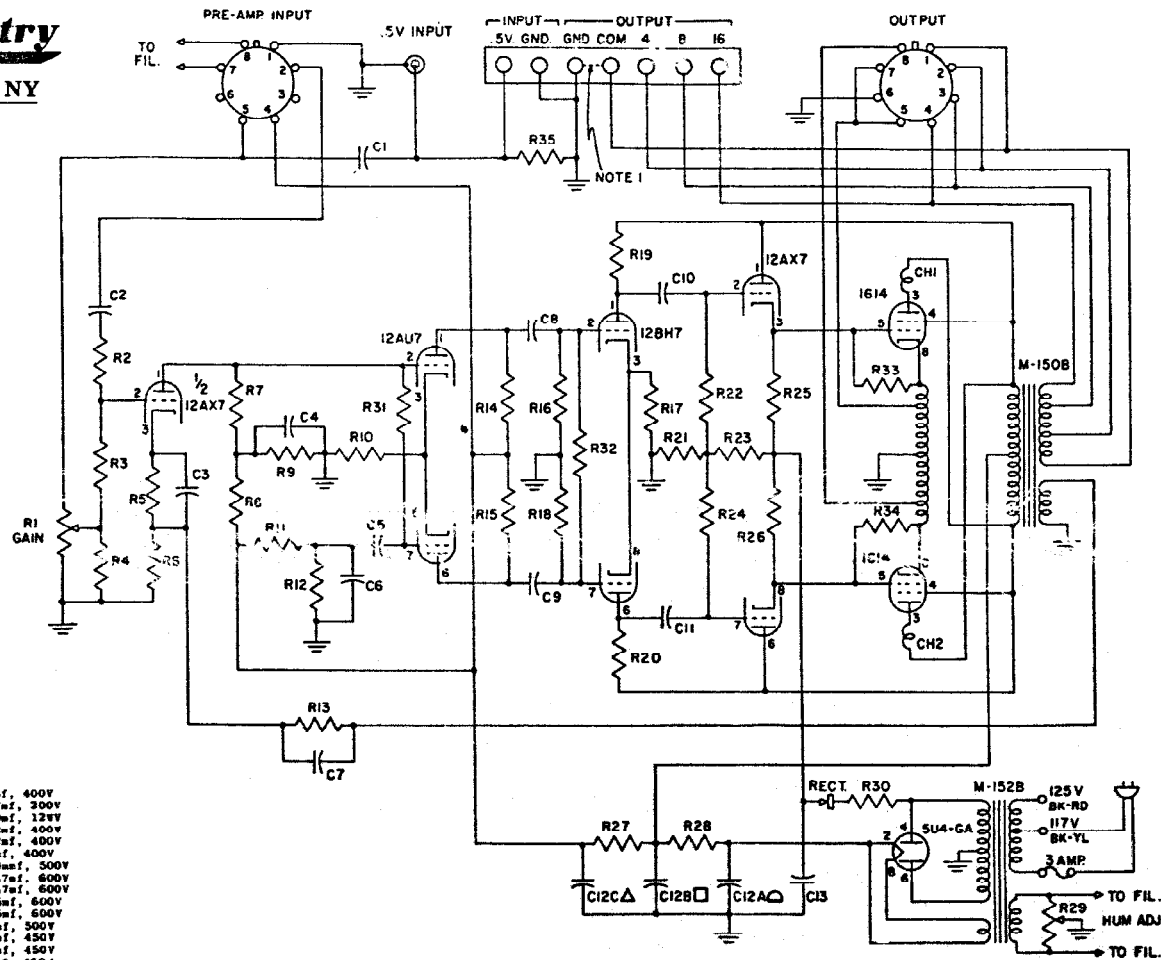
### Pre-Amplifier Input Socket Connections

Pin 1 - ground  
Pin 2 - pre-amp input (2.5V)  
Pin 3 - not used  
Pin 4 - .310V at 3.5 ms.  
Pin 5 - .5v input  
Pin 6 - not used  
Pins 7 and 8 - 6.3V at 1 amp.

Note 1 - Thisopper strap  
may be removed if ungrounded  
low impedance outputs are  
desired.

R1 500k Pot., Gain Adj.  
R2 100k  
R3 27k  
R4 3.3k  
R5 3.3k  
R6 66 ohms, 5t  
R7 100k  
R8 330k  
R9 680k  
R10 18k, 1W  
R11 1.2k  
R12 1k  
R13 2.2k, 5t  
R14 27k, 5t  
R15 30k, 5t  
R16 220k  
R17 1.2k  
R18 220k  
R19 12k, 2W  
R20 12k, 2W  
R21 120k, 5t  
R22 1k  
R23 620k, 5t  
R24 1k  
R25 250k  
R26 220k  
R27 10k, 10W  
R28 150 ohms 10W  
R29 250 ohms Det.  
R30 3.3k  
R31 2.2k  
R32 330k  
R33 220k  
R34 220k  
R35 180k  
\*Matched to within 1%

C1 .1uf, 400V  
C2 .47uf, 200V  
C3 100uf, 128V  
C4 .25uf, 400V  
C5 .22uf, 400V  
C6 .1uf, 400V  
C7 470mf, 500V  
C8 .047uf, 600V  
C9 .047uf, 600V  
C10 .25uf, 600V  
C11 .25uf, 600V  
C12A 40uf, 500V  
C12B 80uf, 450V  
C12C 20uf, 450V  
C13 10uf, 450V



SERIAL NOS. 15329 AND ABOVE

| McINTOSH LABORATORY, INC.                 |             |                    |
|-------------------------------------------|-------------|--------------------|
| DESIGN                                    | APPROVED BY | DESIGNED BY J.W.C. |
| DATE 6-15-56                              |             | REVIEW             |
| MODEL MC-30, TYPE A-116B, POWER AMPLIFIER |             |                    |
| SPECIFICATION NUMBER                      |             | MC-30-4            |

### Output Connections Using Octal Socket

- 4 ohms - pins 1 and 2  
8 ohms - pins 1 and 3  
16 ohms - pins 1 and 4  
500/600 ohms - pins 7 and 8  
(pin 8 is CT and ground)  
70.7 Volts - pins 5 and 6  
(pin 6 is ground)

### Pre-Amplifier Input Socket Connections

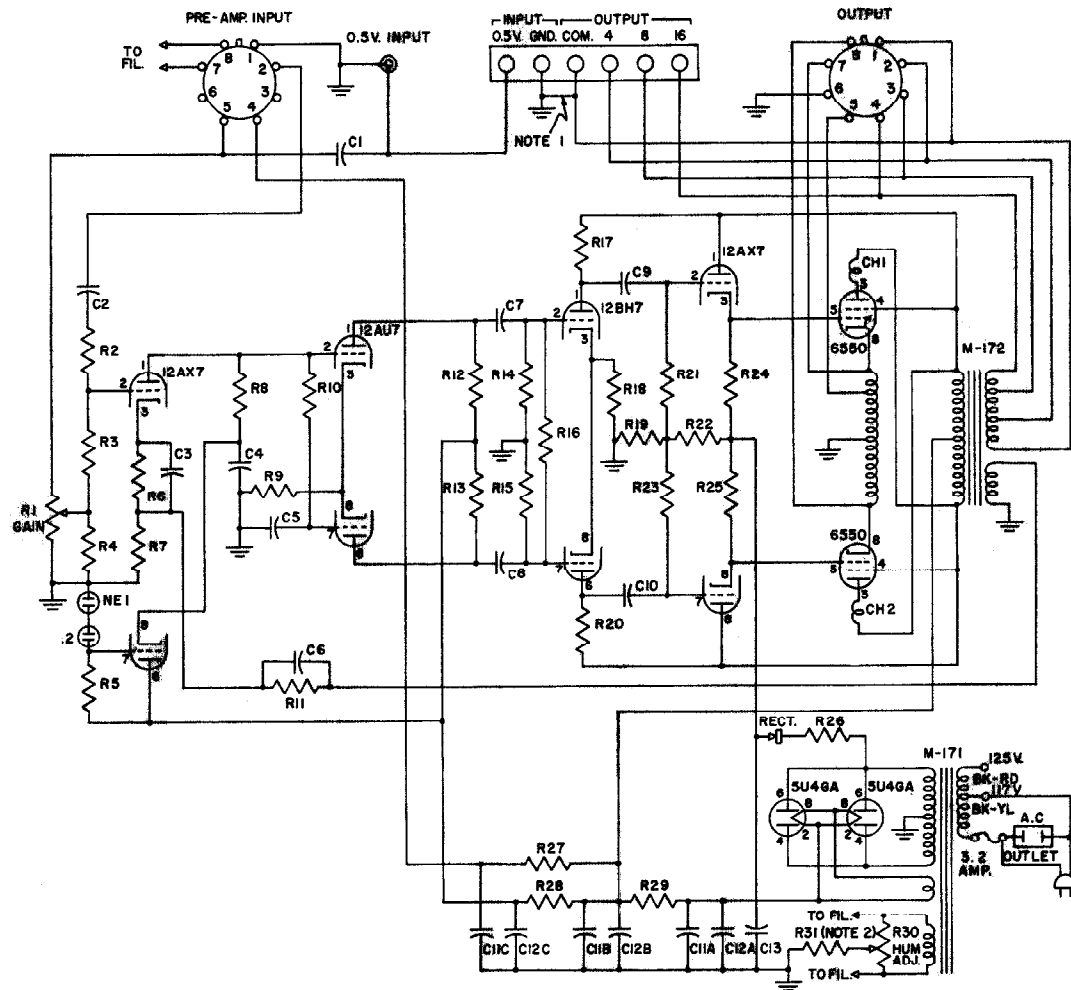
- Pin 1 - ground  
Pin 2 - pre-amp input (2.5V)  
Pin 3 - not used  
Pin 4 - +360V at 3.5 ms.  
Pin 5 - not used  
Pin 6 - not used  
Pins 7 and 8 - 6.3V at 1 amp.

Note 1 - This wire may be removed if ungrounded low impedance outputs are desired.

Note 2 - R31 is not used on some amplifiers.

- R1 500K Pot. (Gain Adj.)  
R2 100K  
R3 25K  
R4 3.3M  
R5 1.2M  
R6 3.3K  
R7 68 ohms, 5%  
R8 100K  
R9 10K, 1W  
R10 2.2M  
R11 1.3K, 5%  
R12 27K, 5%  
R13 30K, 5%  
R14 220K  
R15 220K  
R16 30K  
R17 12K, 2W  
R18 1.2K  
R19 120K, 5%  
R20 12K, 2W  
R21 1M  
R22 820K, 5%  
R23 1M  
R24 220K  
R25 220K  
R26 1.8K  
R27 10K, 10W  
R28 10K, 2W  
R29 40 ohms, 10W  
R30 250 ohm Pot. (Hum Adj.)  
R31 100 ohms  
\* Matched to within 1%.

- C1 .1mf, 400V  
C2 .47mf, 250V  
C3 20mf, 50V  
C4 22mf, 400V  
C5 22mf, 400V  
C6 470mmf, 500V  
C7 .047mf, 400V  
C8 .047mf, 400V  
C9 .25mf, 800V  
C10 .25mf, 800V  
C11A 40mf, 500V  
C11B 80mf, 450V  
C11C 20mf, 450V  
C12A 40mf, 500V  
C12B 80mf, 450V  
C12C 20mf, 450V  
C13 10mf, 450V



This diagram covers only MC-60 amplifiers with serial numbers from No. 500 to No. 1768 inclusive.

|                                            |              |                       |       |
|--------------------------------------------|--------------|-----------------------|-------|
| MCINTOSH LABORATORY, INC.<br>Singer, N. Y. |              |                       |       |
| SCALE:                                     | APPROVED BY: | DRAWN BY: (signature) |       |
| DATE: 6-30-35                              | 5C           | REVIEWED:             |       |
| MODEL MC-60, TYPE A-121 POWER AMPLIFIER    |              |                       |       |
| DRAWING NUMBER                             |              |                       | MC-60 |

# MC-60 TYPE A 121 REVISED

McIntosh

## Output Connections Using Octal Socket

4 ohms - pins 1 and 2  
8 ohms - pins 1 and 3  
16 ohms - pins 1 and 4  
500/600 ohms - pins 7 and 8  
(pin 6 is C1 and ground)  
70.7 Volts - pins 5 and 6  
(pin 6 is ground)

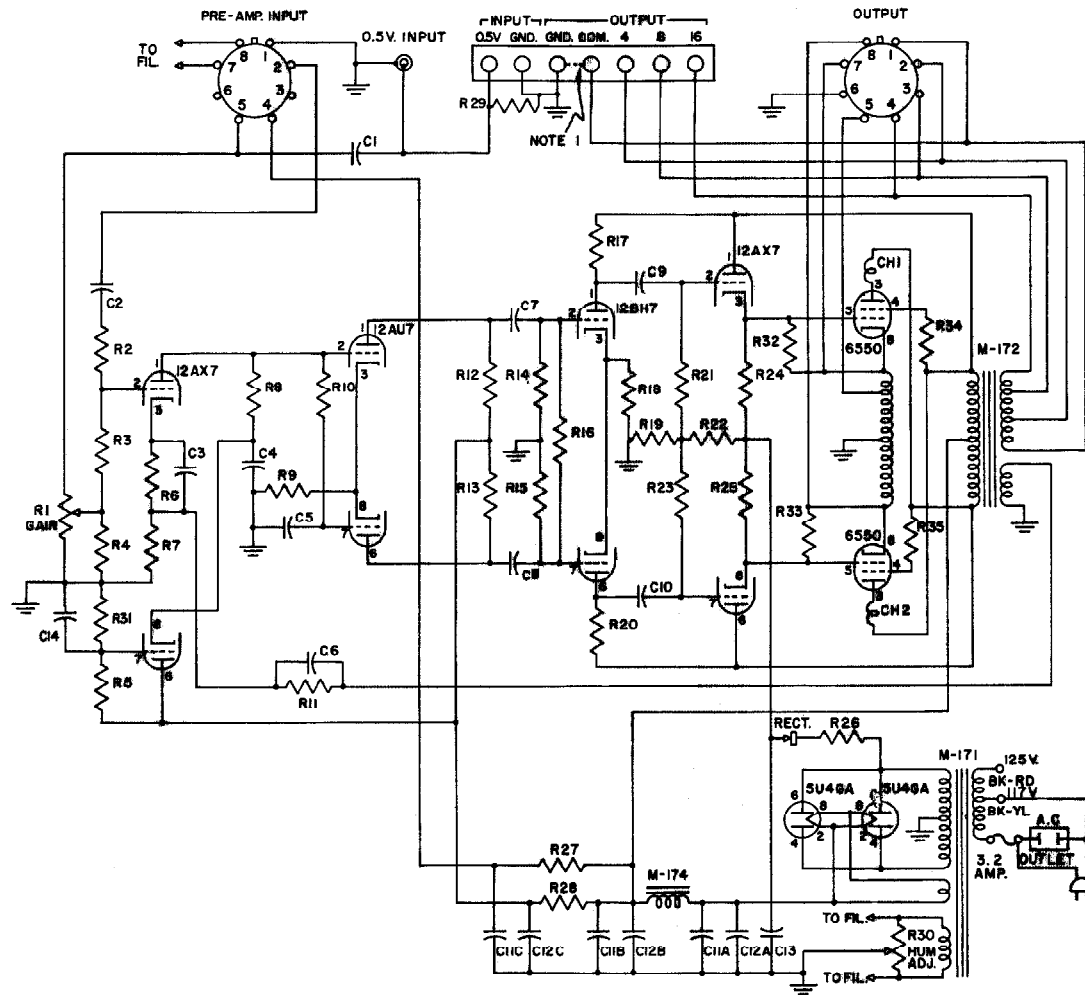
## Pre-amplifier Input Socket Connections

Pin 1 - ground  
Pin 2 - pre-amp. input (2.5V)  
Pin 3 - not used  
Pin 4 - +360V at 3.5 ma.  
Pin 5 - not used  
Pin 6 - not used  
Pins 7 and 8 - 6.3V at 1 amp.

Note 1 - This jumper strap may be removed if ungrounded low impedance outputs are desired.

|     |                         |      |              |
|-----|-------------------------|------|--------------|
| R1  | 500K Pot. (Gain Adj.)   | CH1  | Plate Choke  |
| R2  | 100K                    | CH2  | Plate Choke  |
| R3  | 27K                     |      |              |
| R4  | 3.3K                    | C1   | .1mf, 400V   |
| R5  | 560K, 5%                | C2   | .47mf, 200V  |
| R6  | 3.3K                    | C3   | 100mf, 12V   |
| R7  | 68 ohms, 5%             | C4   | 8mf, 250V    |
| R8  | 100K                    | C5   | .22mf, 400V  |
| R9  | 18K, 1W                 | C6   | 470mf, 500V  |
| R10 | 2.2M                    | C7   | .047mf, 500V |
| R11 | 1.3K, 5%                | C8   | .047mf, 500V |
| R12 | 27K, 5%                 | C9   | .22mf, 600V  |
| R13 | 30K, 5%                 | C10  | .22mf, 600V  |
| R14 | 220K                    | C11A | 40mf, 500V   |
| R15 | 220K                    | C11B | 80mf, 450V   |
| R16 | 950K                    | C11C | 50mf, 450V   |
| R17 | 12K*, 2W                | C12A | 40mf, 500V   |
| R18 | 1.2K                    | C12B | 80mf, 450V   |
| R19 | 120K, 5%                | C12C | 20mf, 450V   |
| R20 | 12K*, 2W                | C13  | 10mf, 450V   |
| R21 | 1W                      | C14  | .47mf, 200V  |
| R22 | 750K, 5%                |      |              |
| R23 | 1W                      |      |              |
| R24 | 220K                    |      |              |
| R25 | 220K                    |      |              |
| R26 | 1.8K                    |      |              |
| R27 | 10K, 10W                |      |              |
| R28 | 10K, 2W                 |      |              |
| R29 | 180K                    |      |              |
| R30 | 250 ohm Pot. (Hum adj.) |      |              |
| R31 | 270K, 5%                |      |              |
| R32 | 220K                    |      |              |
| R33 | 220K                    |      |              |
| R34 | 220, 1W                 |      |              |
| R35 | 220, 1W                 |      |              |

\*matched to within 1%

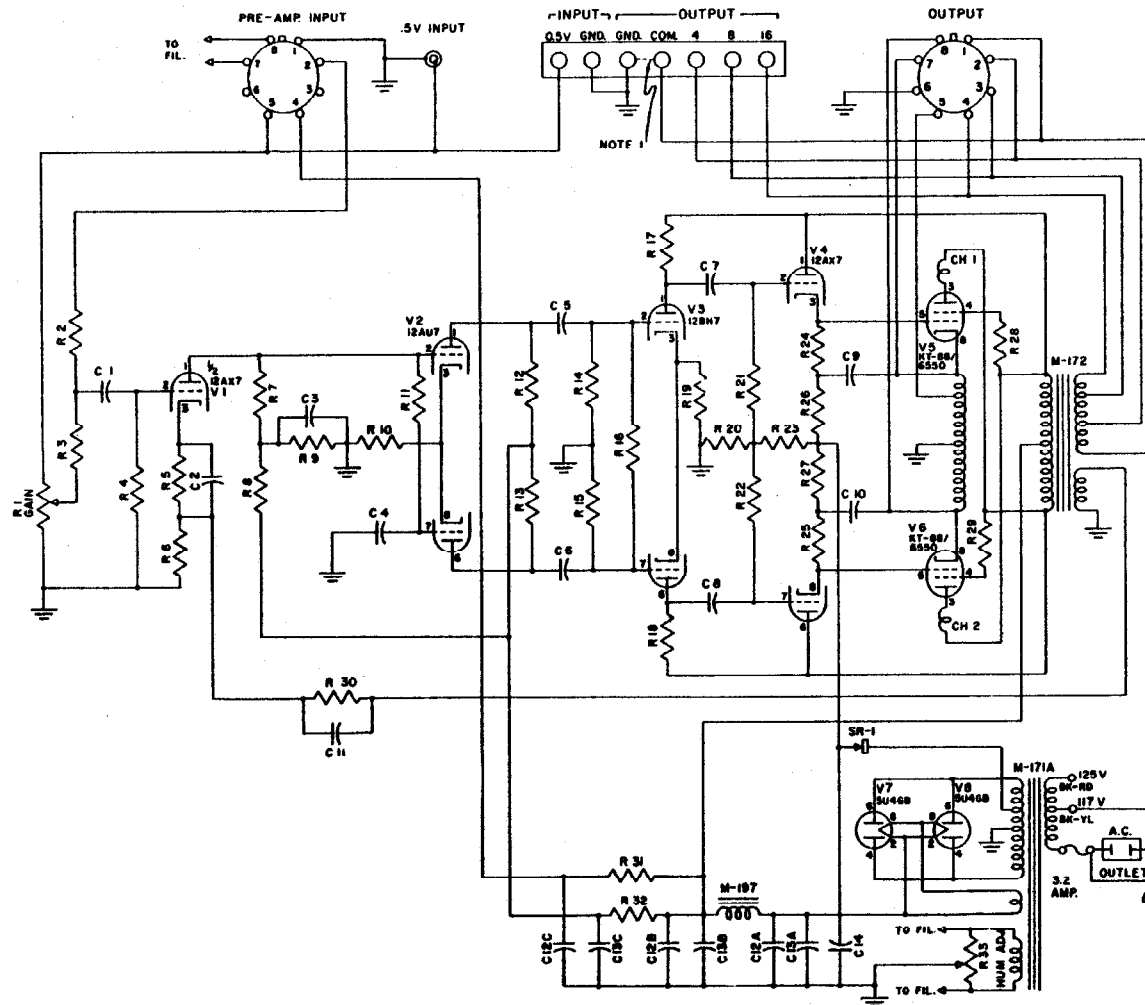


SERIAL NO. 4496 AND UP

|                                                |                 |                     |
|------------------------------------------------|-----------------|---------------------|
| McINTOSH LABORATORY, INC.<br>Binghamton, N. Y. |                 |                     |
| DATE: 6-30-58                                  | APPROVED BY: SL | PRINTED AT: 4-20-56 |
| MODEL MC-60, TYPE A-121 POWER AMPLIFIER        |                 |                     |
| McINTOSH NUMBER<br>MC-60-3                     |                 |                     |

# MC-60 TYPE A 125

# McIntosh



**OUTPUT CONNECTIONS USING OCTAL SOCKET**

4 OHMS - PINS 1 & 2  
8 OHMS - PINS 1 & 3  
16 OHMS - PINS 1 & 4  
500/600 OHMS - PINS 7 & 8  
(PIN 6 IS CT AND GROUND)  
70.7 VOLTS - PINS 5 & 6  
(PIN 6 IS GROUND)

**PRE-AMPLIFIER INPUT SOCKET CONNECTIONS**

PIN 1 - GROUND  
PIN 2 - PRE-AMP INPUT (2.5V)  
PIN 3 - NOT USED  
PIN 4 - +350V AT 3.5mA  
PIN 5 - PRE-AMP INPUT (0.5V)  
PIN 6 - NOT USED  
PINS 7 & 8 - 0.3V AT 1 AMP

**COMPONENT VALUES**

R1 250K POT (GAIN ADJ.)  
R2 100K  
R3 27K  
R4 1M  
R5 3.3K  
R6 68 5K  
R7 100K  
R8 330K  
R9 680K  
R10 18K 1W  
R11 2.2M  
R12 27K 5K  
R13 30K 6K  
R14 220K  
R15 250K  
R16 330K  
R17 12K 2W  
R18 12K 2W  
R19 1.2K  
R20 56K 5K  
R21 1M  
R22 1M  
R23 100K 5K  
R24 56K  
R25 56K  
R26 56K  
R27 56K  
R28 220 1W  
R29 220 1W  
R30 1.5K 5K  
R31 10K 1W  
R32 10K 2W  
R33 250 OHM POT (HUM ADJ.)  
\*MATCHED TO WITHIN 1%

**CH1 PLATE CHOK**  
**CH2 PLATE CHOK**

C1 .1MF, 200V  
C2 100NF, 12V  
C3 8NF, 250V  
C4 .22NF, 400V  
C5 .047NF, 600V  
C6 .047 NF, 600V  
C7 .22NF, 600V  
C8 .22NF, 600V  
C9 .47NF, 200V  
C10 .47NF, 200V  
C11 470NF, 500V  
C12A 35NF, 500V  
C12B 80NF, 500V  
C12C 15NF, 450V  
C13A 35NF, 500V  
C13B 80NF, 500V  
C13C 15NF, 450V  
C14 8NF, 250V

NOTE 1 - THIS JUMPER STRAP MAY BE REMOVED IF THROUGHED LOW IMPEDANCE OUTPUTS ARE DESIRED

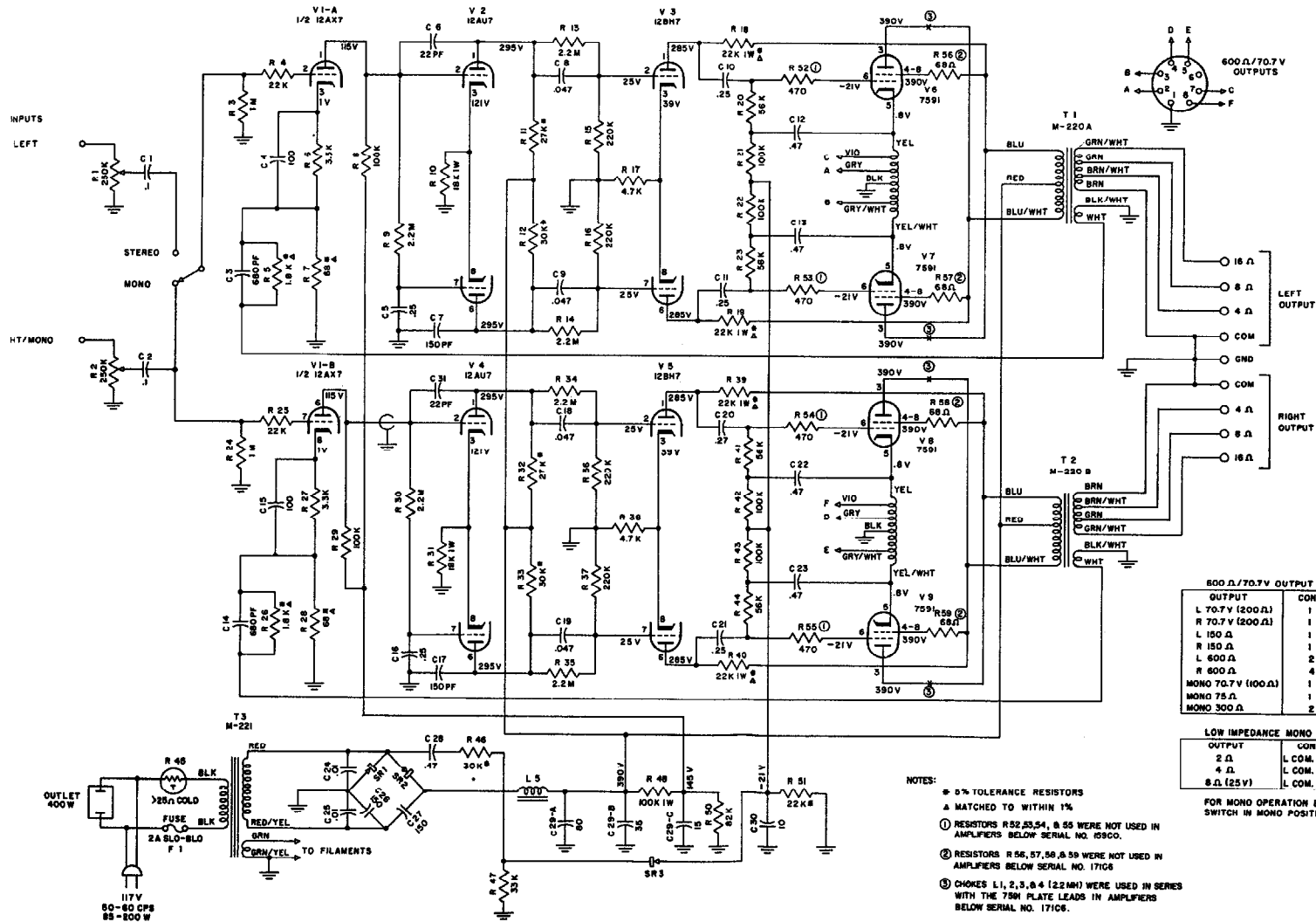
SERIAL NO. 5F646 AND ABOVE

| REVISIONS                               |      |             |      | MCINTOSH LABORATORY INC. |                   |
|-----------------------------------------|------|-------------|------|--------------------------|-------------------|
| NO.                                     | DATE | BY          |      | 2 CHAMBERS ST.           | BINGHAMTON, N. Y. |
| MODEL MC-60, TYPE A-125 POWER AMPLIFIER |      |             |      |                          |                   |
| •                                       |      | DESIGNED BY | V.S. | SCALE                    | MATERIAL          |
| •                                       |      | EXP.        | JAL  | DATE                     | 6.19.50           |
| •                                       |      | TESTED      | ADP  | BY                       | SC N4-127         |

MC-225

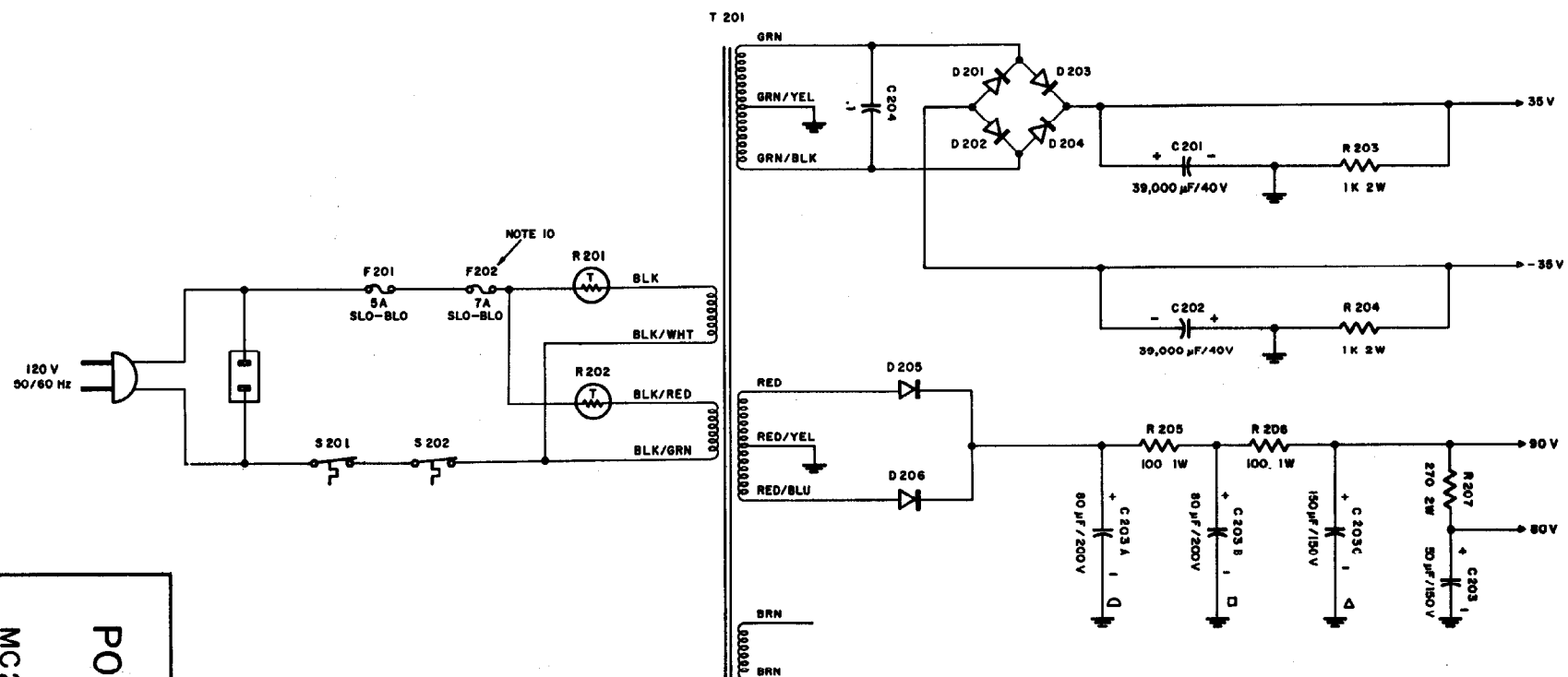
McIntosh

MC225 SCHEMATIC  
(Schematic No. SC126-167A)



McIntosh

# McIntosh



**POWER SUPPLY  
SECTION**