To V2 Heater Terminals # 4 & 5

12AY7

To V2 Heater Terminal # 9

20 guage heater wire for tubes V1 & V2

To V3 Heater Terminal #2

12DW7

To V3 Heater Terminal #7

SPEAKERS

MAIN

EXT

pins 6,7,8 12AX7

pins 1,2,3 12AU7

4ohm / 8ohm impedance mini SPDT

To V4 Heater Terminal #2

6L6GC

1.5 K 1/2-Watt

To V4 Heater Terminal #7

To Heater supply

6L6GC

1.5 K 1/2-Watt

To Heater supply

18 guage heater wire for tubes V3 & V4

5AR4

LEADS FROM: OT 047269

Preamp Star Ground in chassis side

4.7 uf 50V

1.5 K 1/2-Watt

100 K 1/2-Watt

.022uf 630V

16 uf 475 V

.022uf 630V

.047uf 630V

.047uf 630V

15 K 1/2-Watt

1Meg 1/2-Watt

220 K 1/2-Watt

220 K 1/2-Watt

15 K 1/2-Watt

470 3-Watt

470 3-Watt

16 uf 475 V

16 uf 475 V

22 uf 50V

250 ohm 10 Watt

Power Section Star Ground

PT NSC041316

To Preamp Star Ground

Shielded conductors with shield connected to ground of input jack only no shield connection at tube V1

2M2 1/2-Watt

22K 3-Watt

2K7 3-Watt

CAW HOFFMAN 30 WATT 5E3 WITH PAUL C MOD & LOW mu P.I.

68 K 1/2-Watts

1meg 1/2-Watt

NORMAL

To Preamp Star Grnd

68 K 1/2-Watts

1meg 1/2-Watt

BRIGHT

Potentiometer grounds are on back of Pot case and not on shaft side as shown

1 MEG AUDIO

VOLUME

1 MEG AUDIO

VOLUME

500 Pf 630V

1 MEG AUDIO

TONE

5000 Pf 630V

To Power Section Star Ground

100 ohm 1/2-Watt

PILOT LIGHT

100 ohm 1/2-Watt

Twisted Wire To V4 Heater Terminals

Twist all heater wires

Twist all heater wires

Twist all heater wires

AC Switch

2A Slo-Blo Fuse

Standby Switch