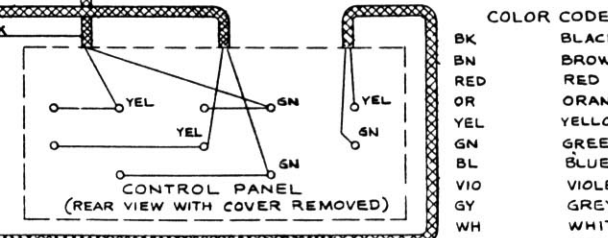
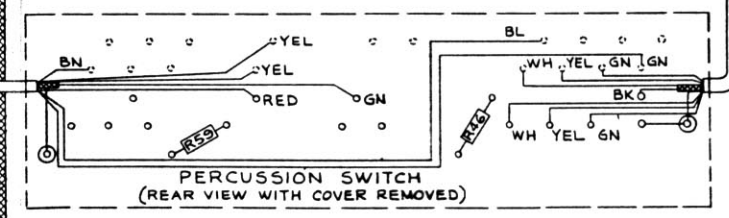
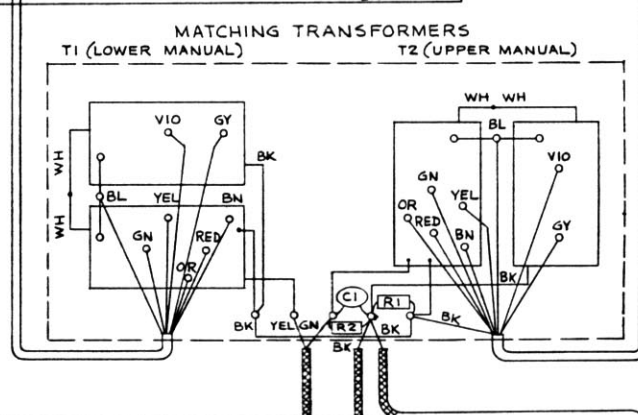
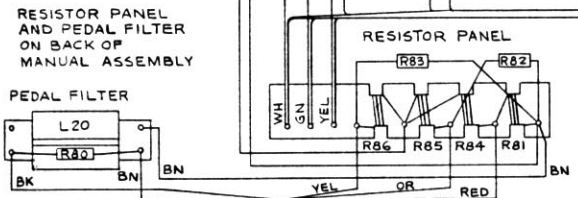
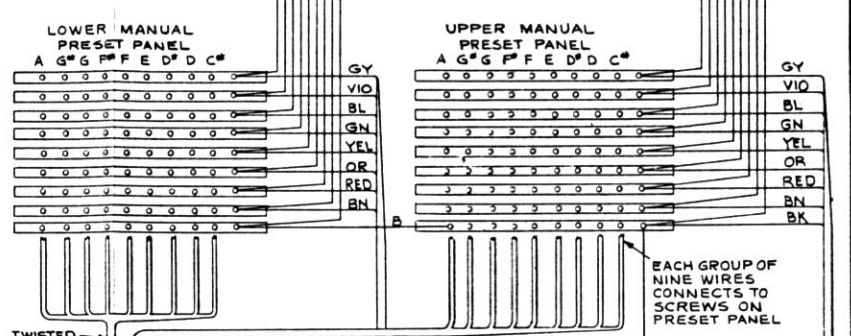
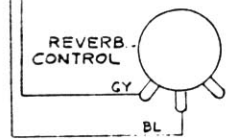
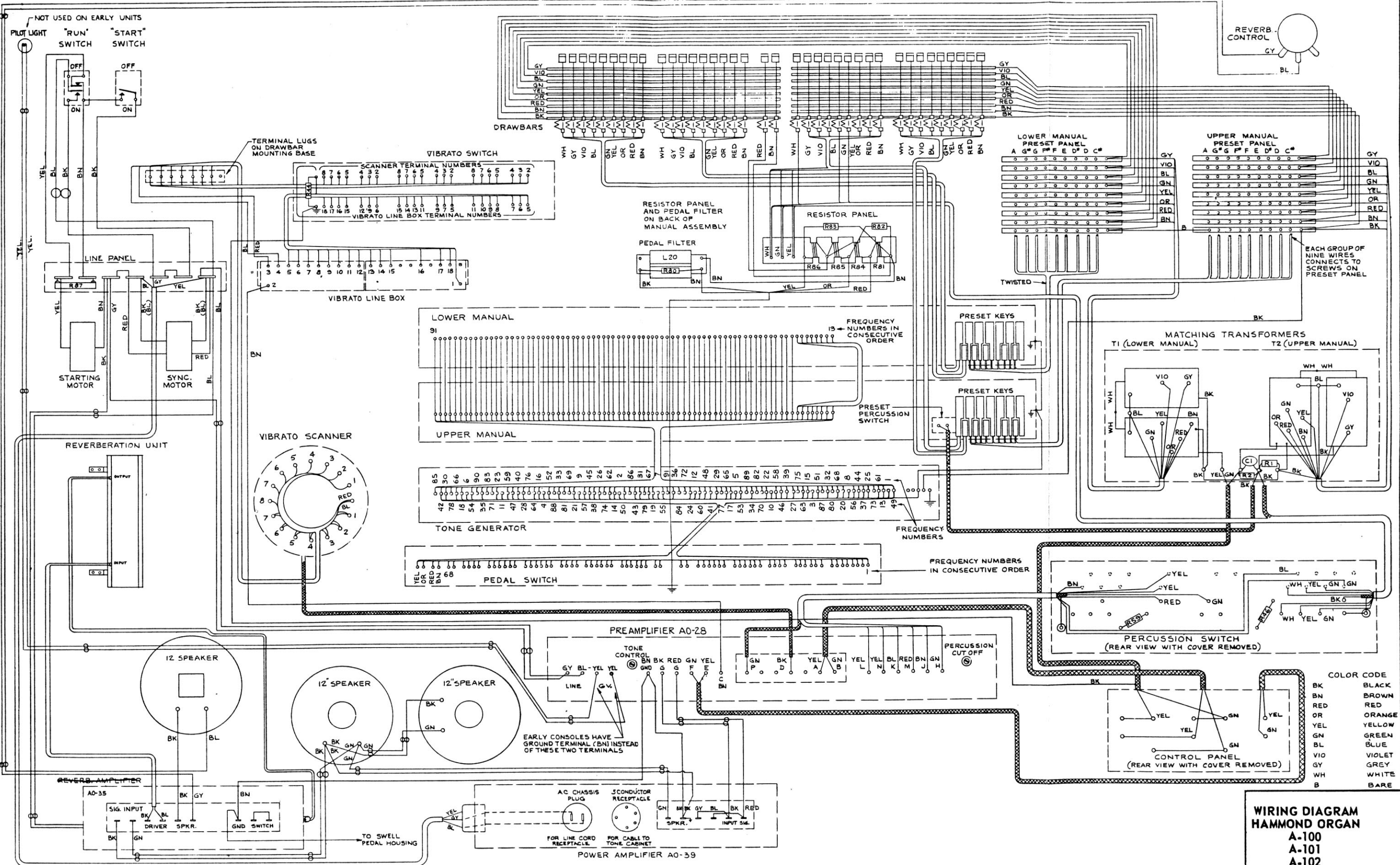


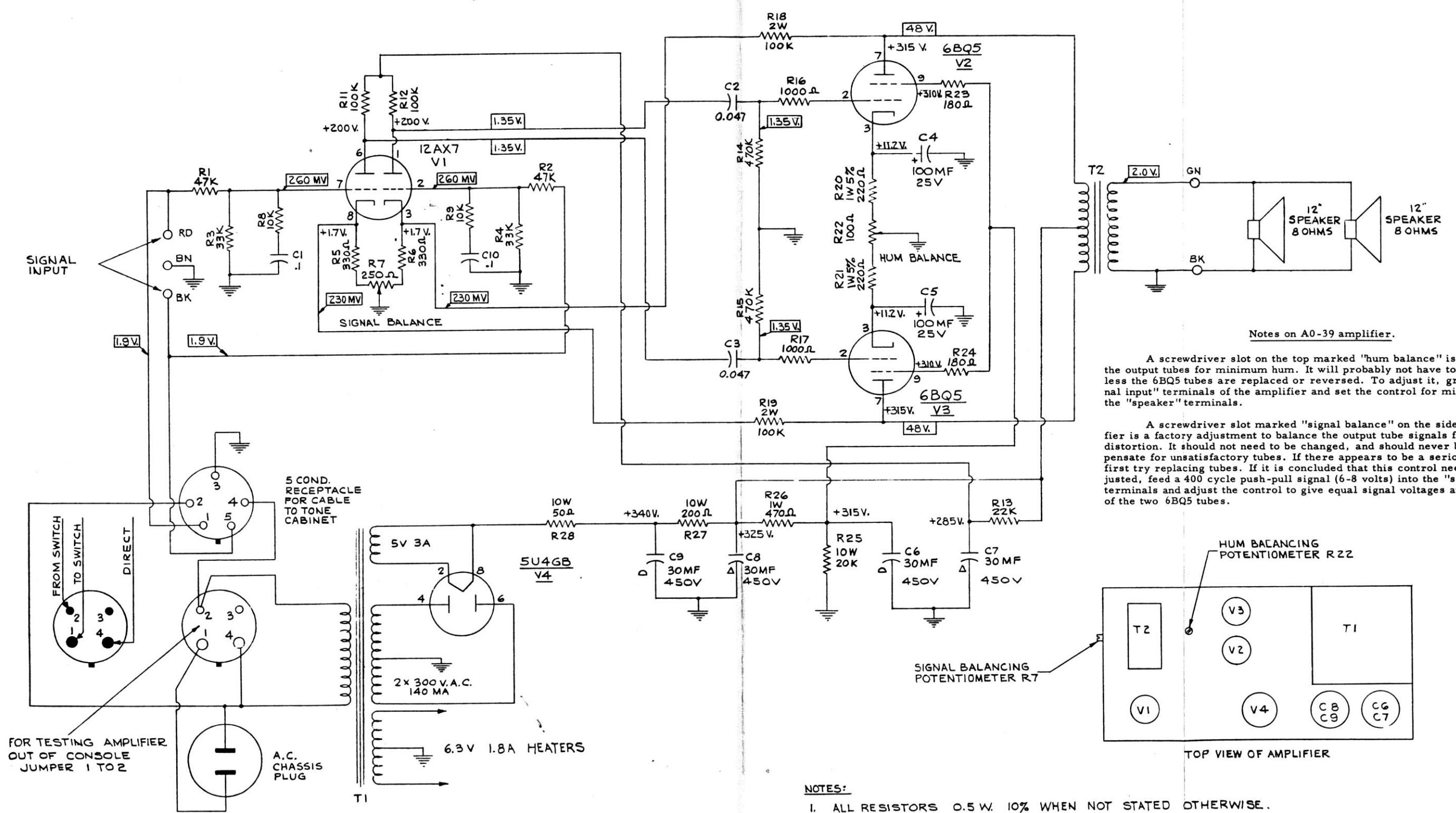
**SCHEMATIC DIAGRAM
HAMMOND ORGAN
A-100
A-101
A-102
FIGURE 30**



COLOR CODE

BK	BLACK
BN	BROWN
RED	RED
OR	ORANGE
YEL	YELLOW
GN	GREEN
BL	BLUE
VIO	VIOLET
GY	GREY
WH	WHITE
B	BARE

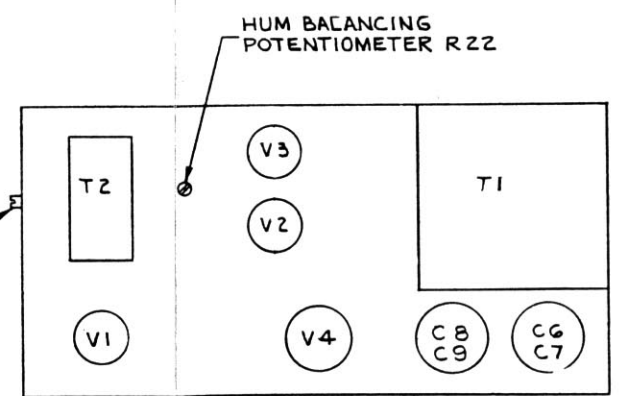
**WIRING DIAGRAM
HAMMOND ORGAN
A-100
A-101
A-102
FIGURE 31**



Notes on A0-39 amplifier.

A screwdriver slot on the top marked "hum balance" is used to balance the output tubes for minimum hum. It will probably not have to be changed unless the 6BQ5 tubes are replaced or reversed. To adjust it, ground both "signal input" terminals of the amplifier and set the control for minimum hum at the "speaker" terminals.

A screwdriver slot marked "signal balance" on the side of the amplifier is a factory adjustment to balance the output tube signals for minimum distortion. It should not need to be changed, and should never be used to compensate for unsatisfactory tubes. If there appears to be a serious unbalance, first try replacing tubes. If it is concluded that this control needs to be adjusted, feed a 400 cycle push-pull signal (6-8 volts) into the "signal input" terminals and adjust the control to give equal signal voltages at the plates of the two 6BQ5 tubes.

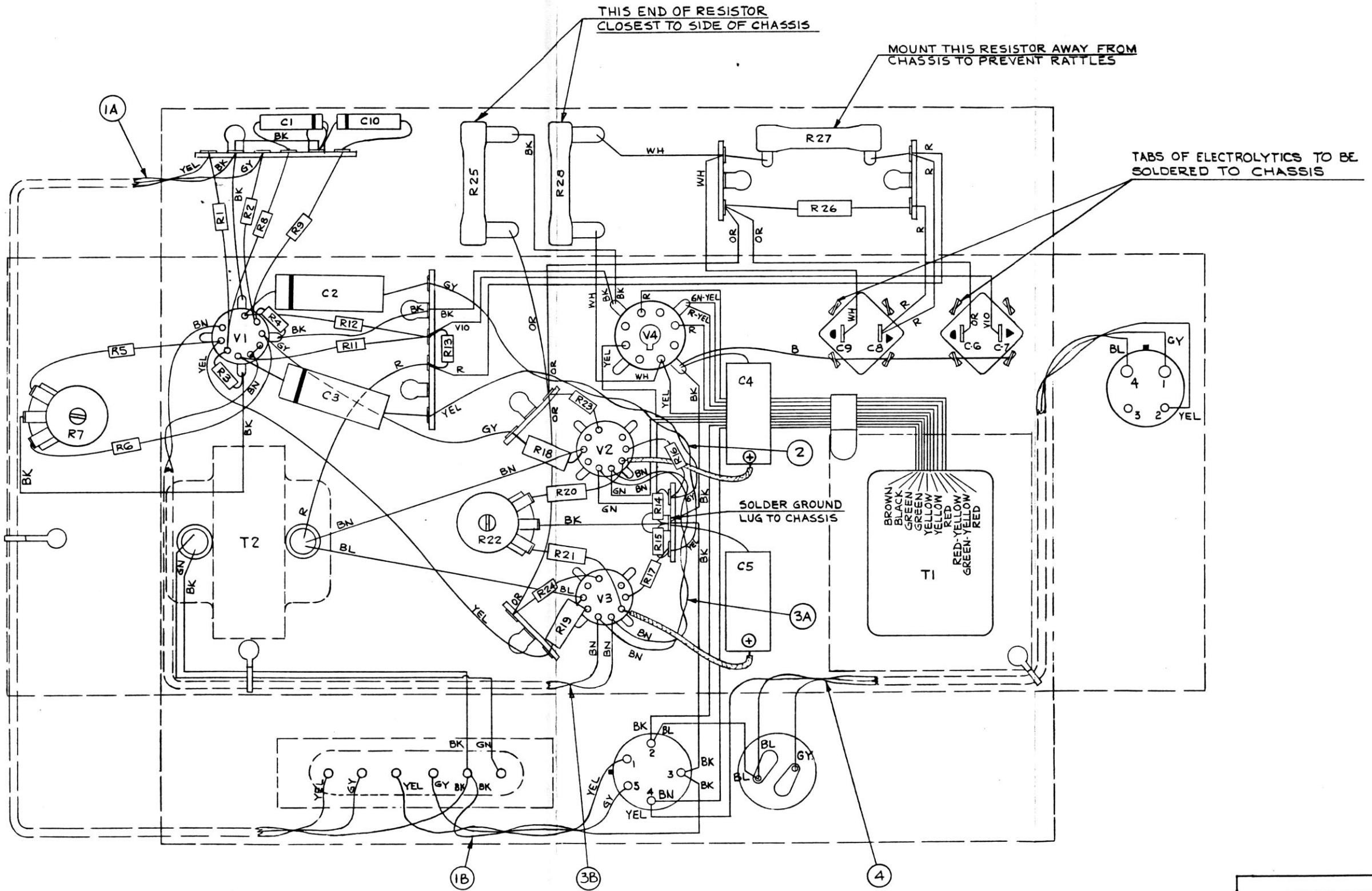


TOP VIEW OF AMPLIFIER

NOTES:

1. ALL RESISTORS 0.5 W. 10% WHEN NOT STATED OTHERWISE.
2. ALL D.C. VOLTAGES MEASURED WITH A VTVM AT A LINE VOLTAGE OF 117 V. A.C.
3. 1 KC SIGNAL VOLTAGES, MEASURED WITH AN AUDIO VTVM FROM POINT INDICATED TO CHASSIS

**SCHEMATIC DIAGRAM
AO-39 POWER AMPLIFIER
USED IN HAMMOND ORGAN
A-100
A-101
A-102
FIGURE 32**



WIRING DIAGRAM
AO-39 POWER AMPLIFIER
USED IN HAMMOND ORGAN
 A-100
 A-101
 A-102
FIGURE 33