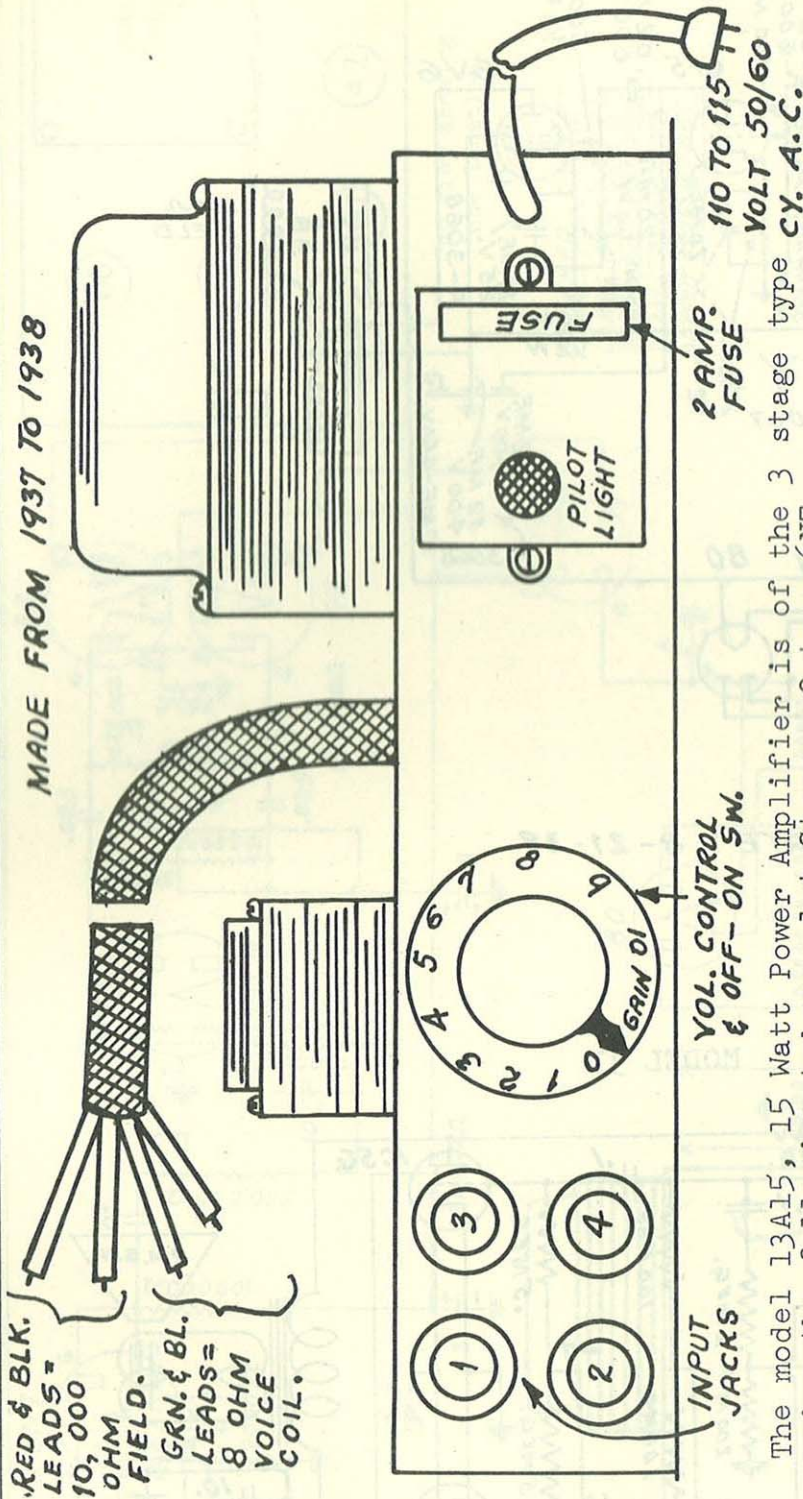


MADE FROM 1937 TO 1938



RED & BLK. LEADS = 10,000 OHM FIELD.
GRN. & BL. LEADS = 8 OHM VOICE COIL.

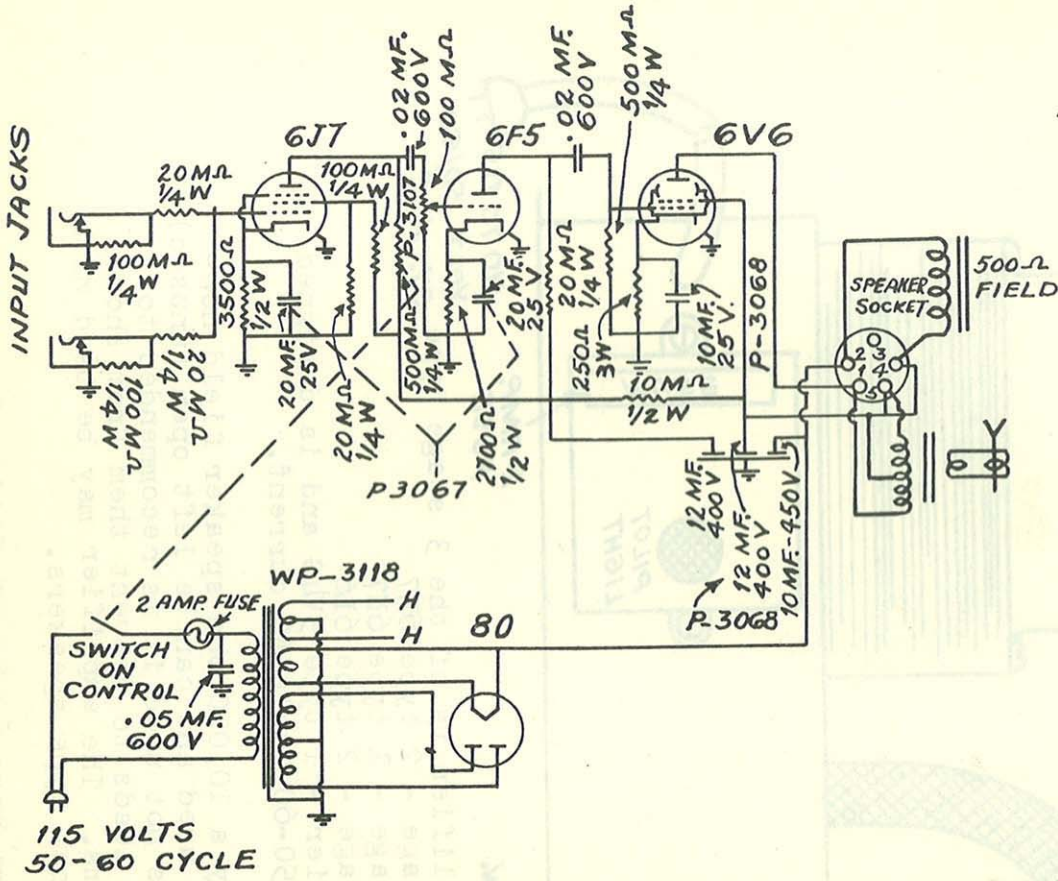
The model 13A15, 15 Watt Power Amplifier is of the 3 stage type using the following tubes:-
 1st Stage - 2 type 6N7
 2nd Stage - 1 type 6N7
 3rd Stage - 2 type 6L6
 Rectifier - 1 type 5V4G and is designed for operation on 110 to 115 Volt, 50-60 Cycle AC current.

The amplifier is designed to supply a 10,000 ohm speaker field however, the field supply need not be used and can be left open (unused) if desired. If the field supply is not used it is recommended to tape the ends of the Red and Black leads to prevent them from shorting. The output Impedance is 8 ohms. The amplifier may be used with either DC Dynamic or Permanent Magnet type speakers.

There are four input jacks, which we have numbered on the above sketch. The microphone is to be plugged into either jack. All input jacks are controlled by one master "mixer".

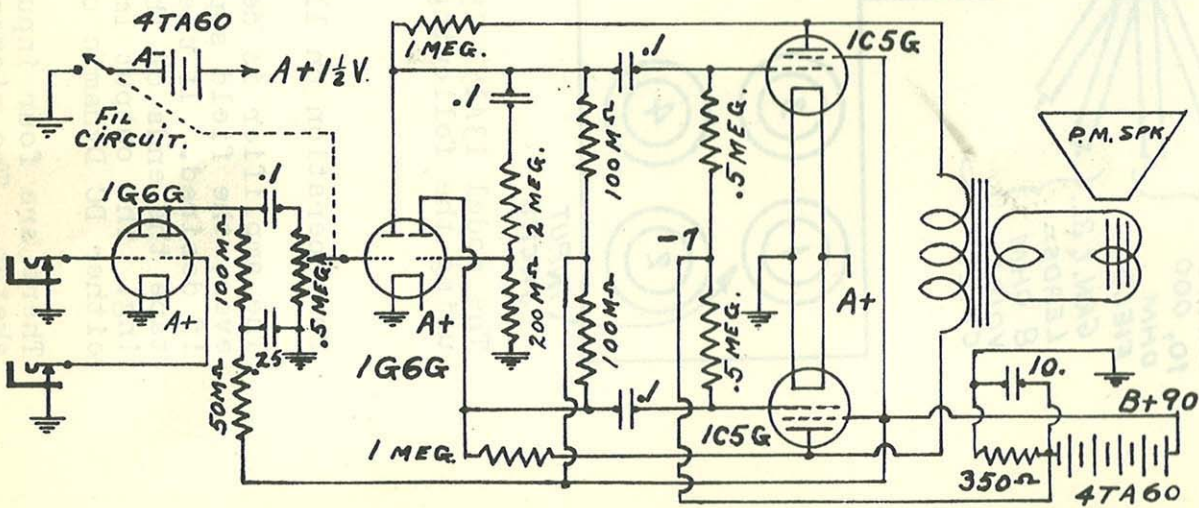
MODEL 21
MODEL 31

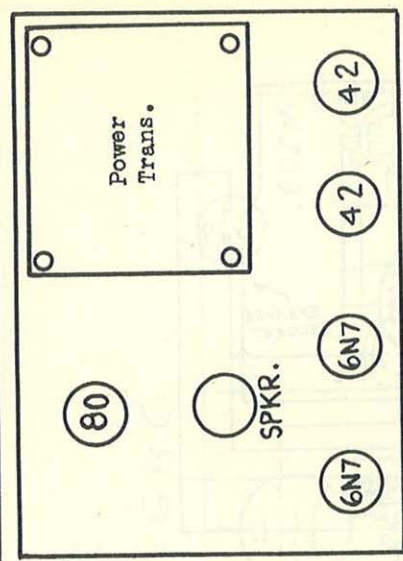
MODEL 21



DATE: 8-21-39

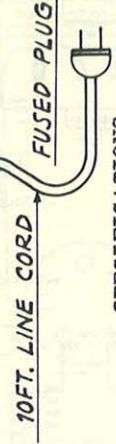
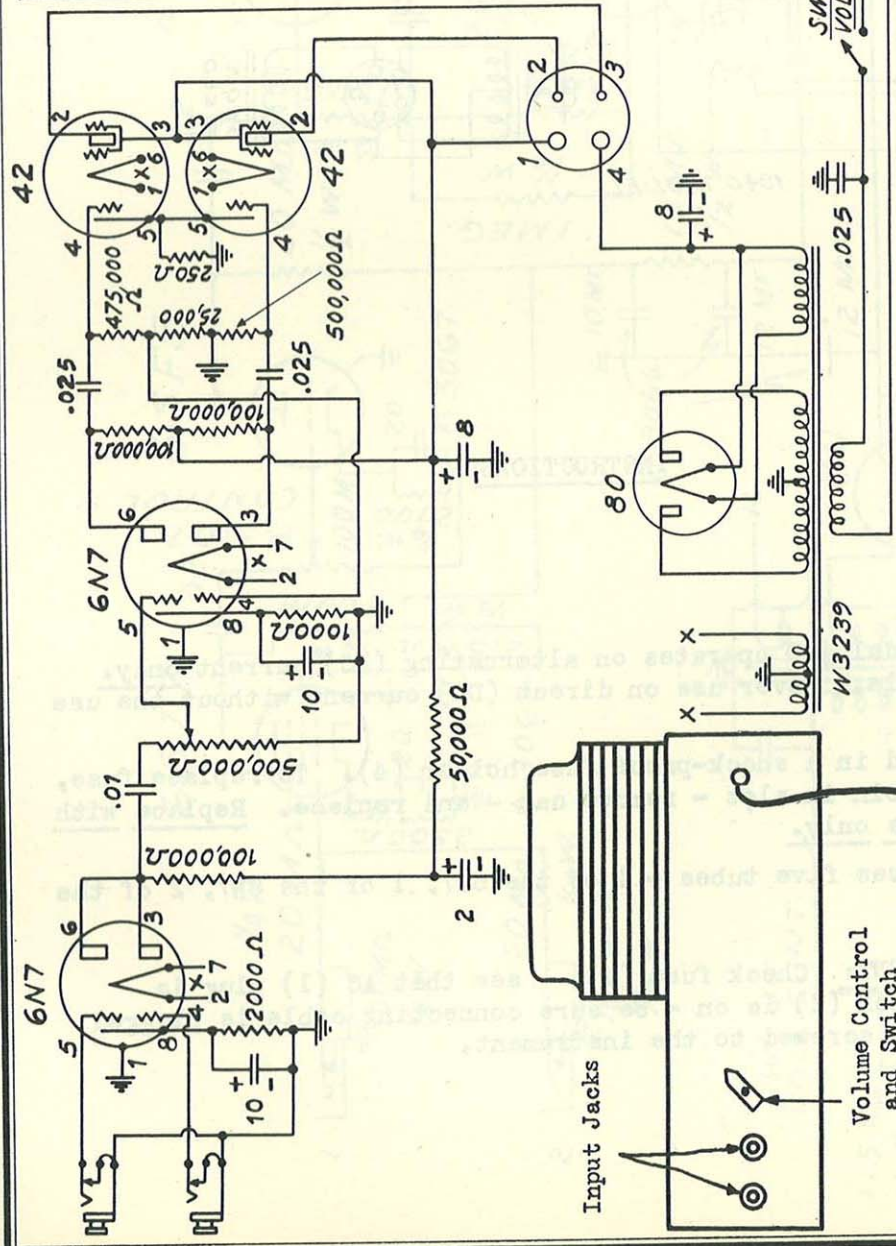
MODEL 31





Top view showing tube location.

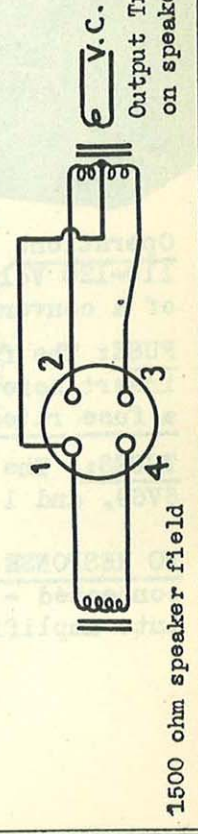
SPEAKER SOCKET
 LARGE PRONGS 1 & 4
 FOR 1500 OHMS FIELD.
 SMALL PRONGS TO
 OUTPUT TRANS. PRI.



SPECIFICATIONS

- 115 Volt 50/60 Cycle.
- Tubes: 2 - 6N7, 2 - 42, 1 - 80.
- Power Output: 6 Watts.
- Input: Two high or low impedance impedance.
- Output: Plate to plate, Trans. in speaker.
- Field: 1500 ohm.
- Input Signal: .35 Volts peak for full power output.

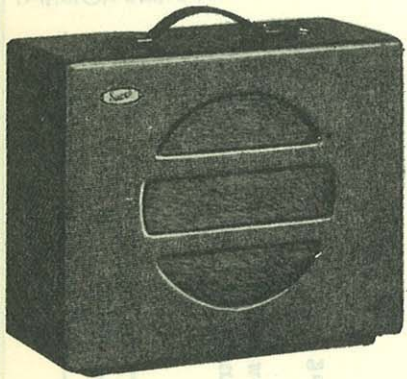
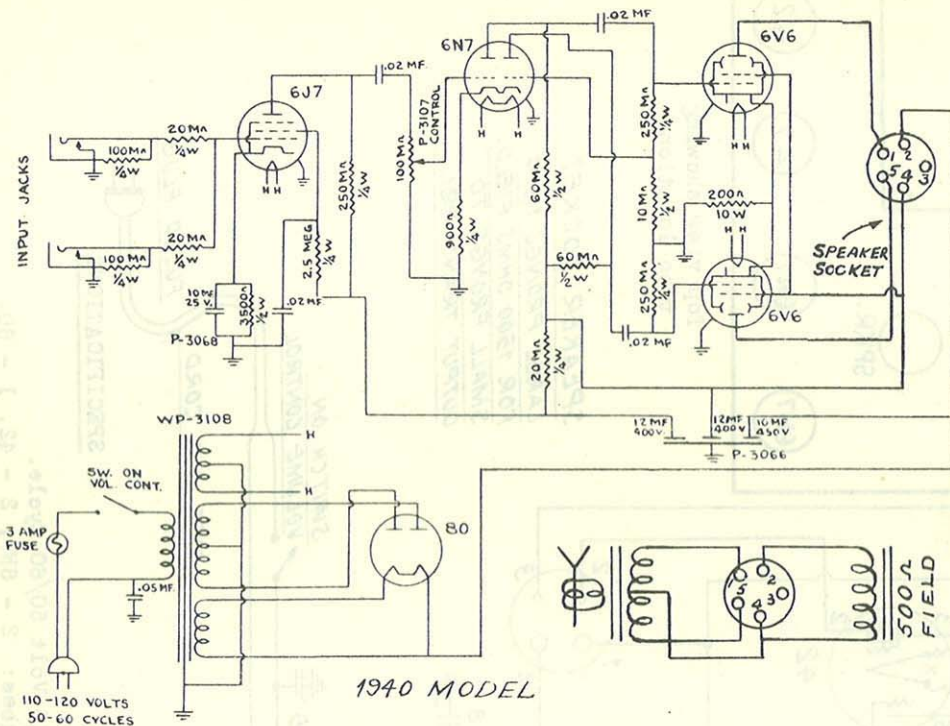
Bottom view of speaker socket, to show output transformer connections.



1500 ohm speaker field

MODEL 50

NATIONAL-DOBRO CORP.

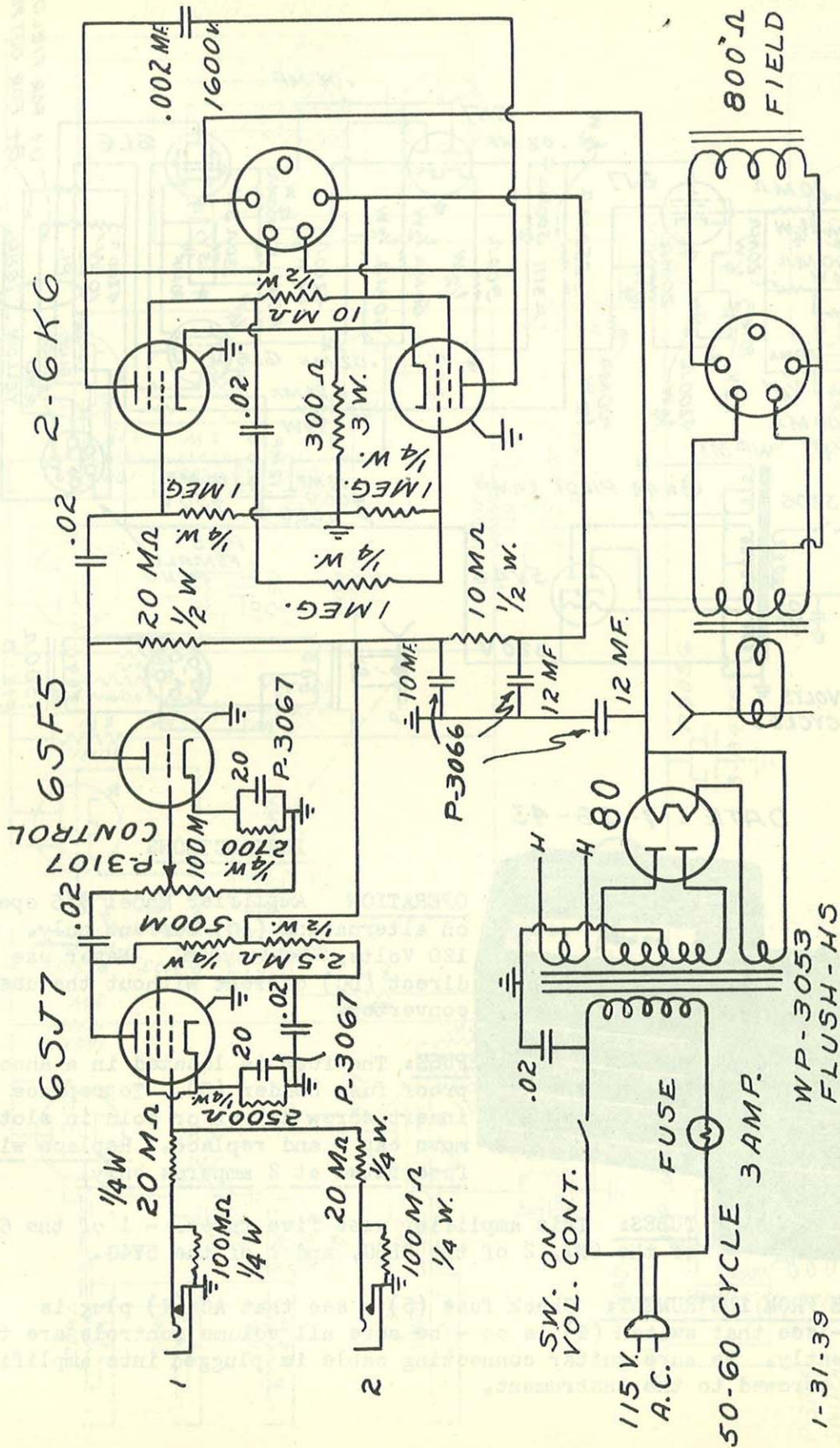
INSTRUCTIONS

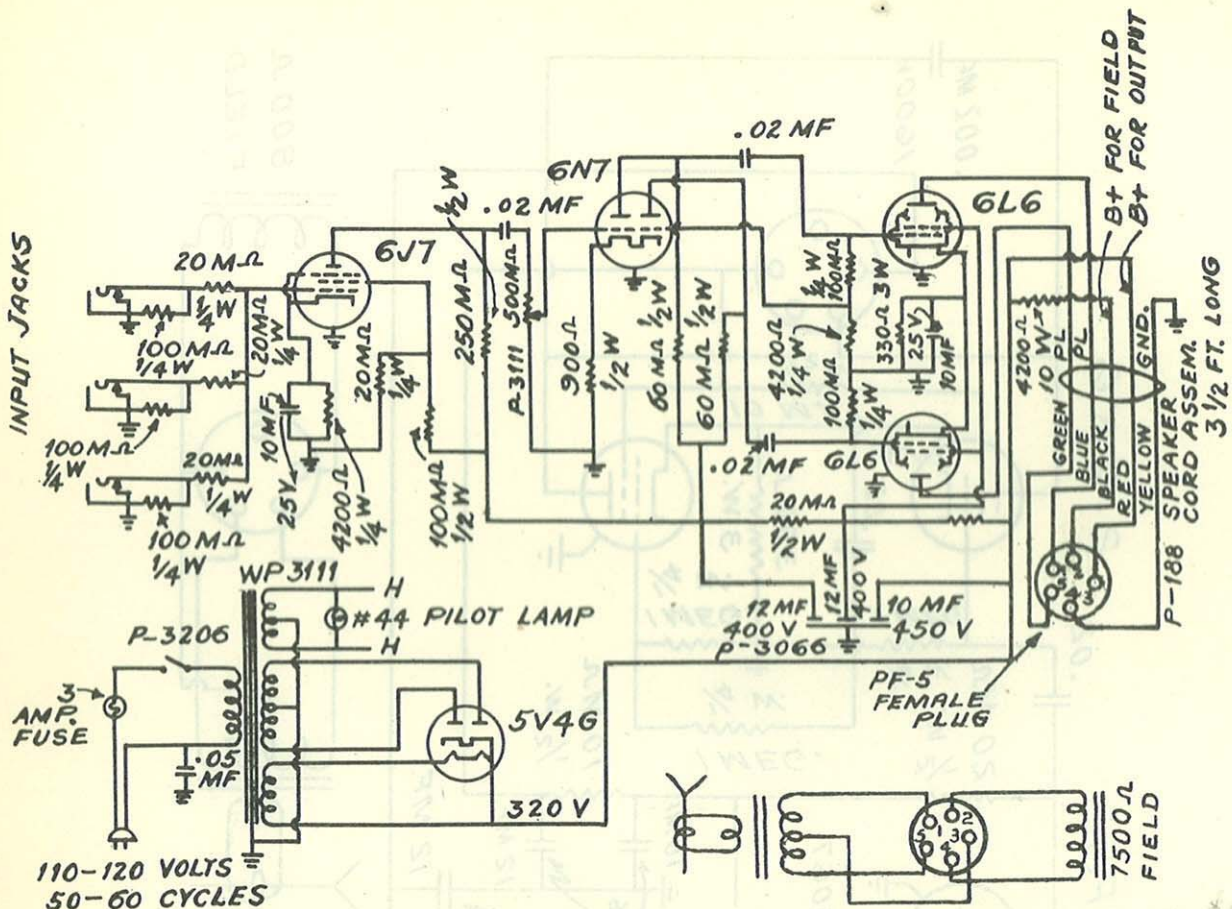
Operations: Amplifier Model #50 operates on alternating (AC) current only. 110-120 Volts, 50-60 Cycle. Never use on direct (DC) current without the use of a converter.

FUSE: The fuse is located in a shock-proof fuse holder (4). To replace fuse, insert screw driver or coin in slot - remove cap - and replace. Replace with a fuse rated at 2 amperes only.

TUBES: The instrument uses five tubes - 1 of the 6J7, 1 of the 6N7, 2 of the 6V6G, and 1 of the #80.

NO RESPONSE FROM INSTRUMENT: Check fuse (4) - see that AC (1) plug is connected - see that switch (2) is on - be sure connecting cable is plugged into amplifier and firmly screwed to the instrument.





DATE : 7-26-43

INSTRUCTIONS

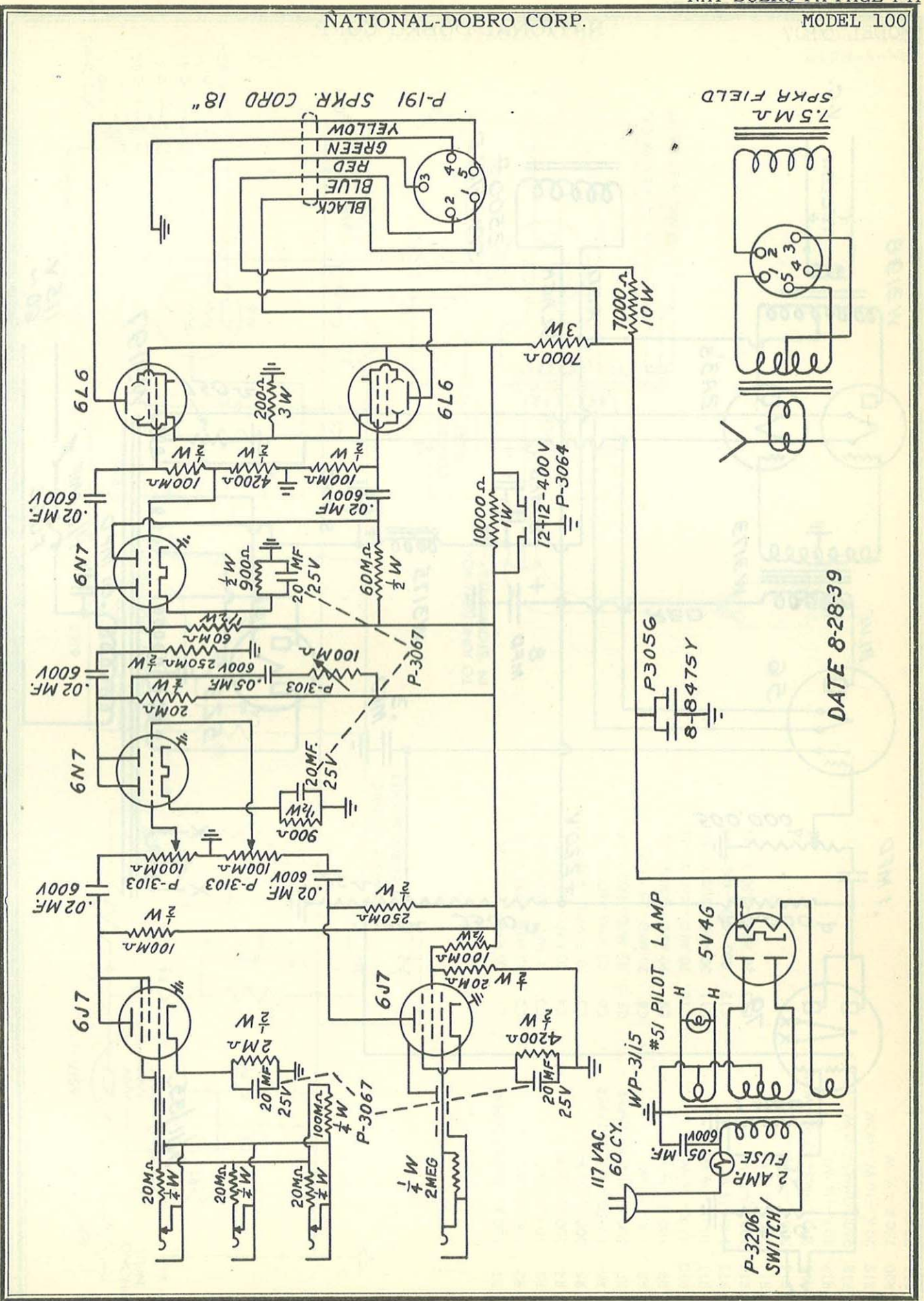
OPERATION Amplifier Model #75 operates on alternating (AC) current only. 110-120 Volts, 50-60 cycle. Never use on direct (DC) current without the use of a converter.

FUSE: The fuse is located in a shock-proof fuse holder (5). To replace fuse, insert screw driver or coin in slot - remove cap - and replace. Replace with a fuse rated at 2 amperes only.

TUBES: This amplifier uses five tubes: - 1 of the 6J7, 1 of the 6N7, 2 of the 6L6G, and 1 of the 5V4G.

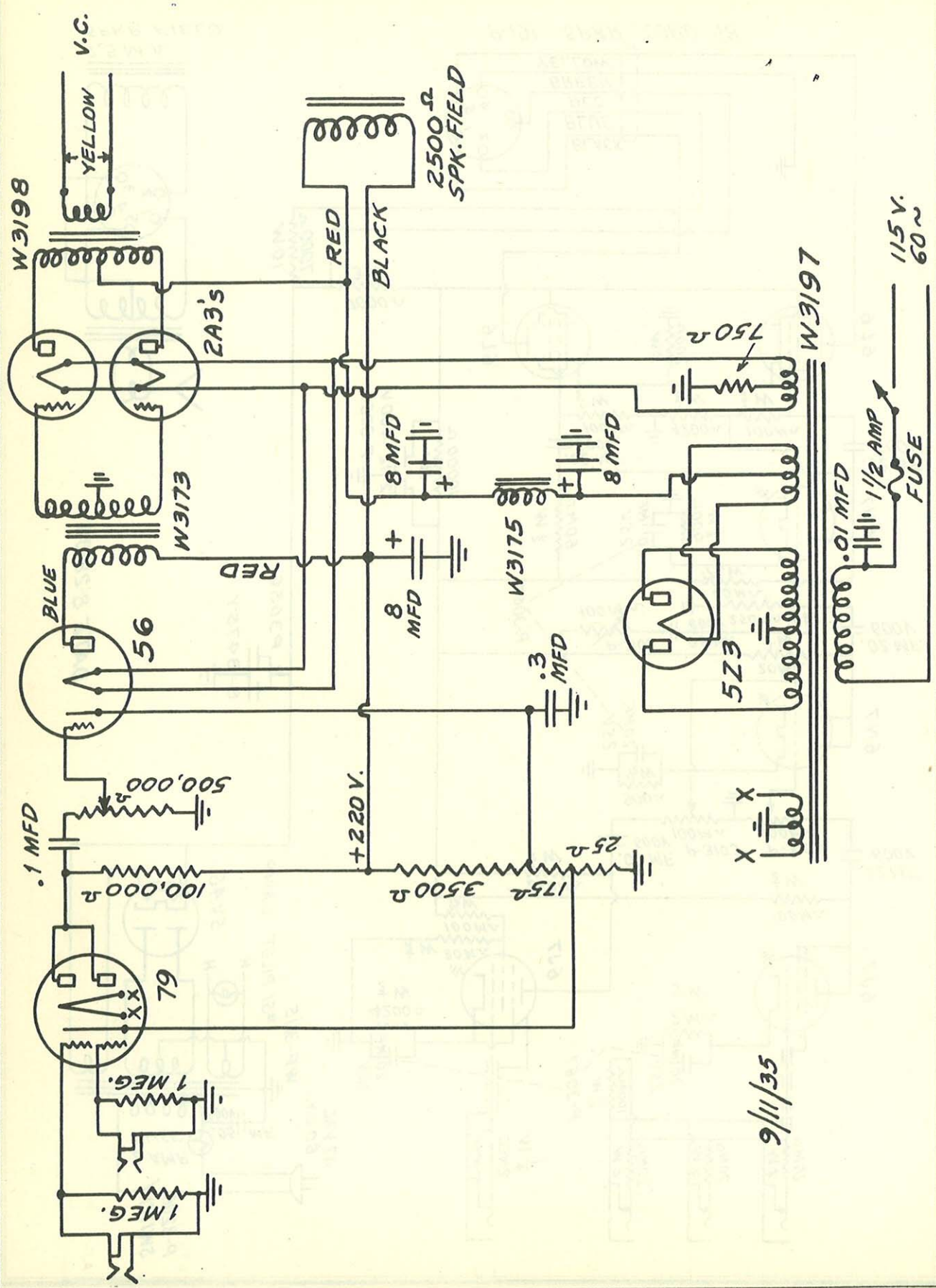
NO RESPONSE FROM INSTRUMENT: Check fuse (5) - see that AC (7) plug is connected - see that switch (4) is on - be sure all volume controls are turned up sufficiently. Be sure guitar connecting cable is plugged into amplifier and firmly screwed to the instrument.





DATE 8-28-39

MODEL 6107



9/11/35