

MODEL C-15, After
Serial #8840

DAVID BOGEN CO., INC.

The model C15 is a P.A. amplifier which delivers 15 watts of output power. It supplies field excitation for two speakers and has 4 input circuits for 2 microphones and 2 phonograph pickups.

Power Rating: - 105-125 volts, A.C. 60 cycles, consumes 125 watts.

Tubes Used: - Total 7, 2-6J7, 1-6F8G, 1-6C8G, 2-6N6G, 1-5X4G.
A close fitting tube shield is supplied for the 6F8G tube.

Connections: Phonograph: -

There are 2 low gain input channels for use with high impedance type of phono pick-up. A shielded wire should be used between each phono and the input terminals in order to reduce noise pick-up. Connect shield to terminal #1 which is grounded. Use terminal #2 for wire from Phono to first channel. Use terminal #3 for wire from phono to second channel.

Microphone: -

Any high impedance type microphone such as Velotron, Velocity, Crystal, or Dynamic may be connected to either of the two screw type microphone connectors provided. A shielded microphone cable is essential between each microphone and the amplifier. It may be fitted to the female cable connector supplied with the amplifier by the method described and illustrated on the reverse of this sheet.

Output: -

Field supply for one 500 ohm and one 10,000 ohm speaker is supplied by the amplifier. These two speaker fields are essential to complete the amplifier circuit and are connected to the six and seven prong plugs as shown in the diagrams on the back of this sheet. As a safety precaution, a jumper wire is used to connect the two "F" prongs of each plug. Therefore, if either speaker becomes disconnected the 110 volt circuit will be opened. Additional speakers having their own field supply or P.M. types may be connected to the output terminal strip in accordance with the impedance values shown in diagram. Use wire size #18 between speakers and amplifier. If the distance is over 100 ft. use #16 or #14 wire to prevent loss of volume and quality of tone.

AC Receptacle:-

An AC outlet is located on the rear of chassis so that a phono motor, field exciter or other device may be plugged in if desired. The master switch controls this circuit also.

Fuse:-

A 2 ampere fuse is located under the metal cover on rear panel. If the fuse blows, examine wiring and equipment for possible short circuits or other troubles before attempting to operate system again.

Remarks:-

If any hum is noticed when using the microphone, reverse the line polarity by pulling out the AC line plug, giving it a half turn, and reinserting. Hum may be caused by faulty tubes. If hum is noticed with correct line polarity check all tubes carefully. In some cases an external ground may be necessary. Terminal #1 of input or #1 of output may be used to ground the system.