



MODEL AD6

DAVID BOGEN CO., INC.

The Model AD6 is a six watt P.A. amplifier for use on either AC or DC. It is provided with: 2 input channels (#1 for Microphone - Velocity or Crystal type, #2 for Phono-Pickup - High Impedance Type): Tone Control: Universal Output for Speakers.

Power Rating: - 105-125 volts, either AC or DC. Consumption 40 watts.

Tubes Used: - Total 7: 1-6J7; 2-6C8G; 2-25L6; 2-25Z6; 1-25 Watt Indicator bulb.

Connections:- Phonograph: - The low gain input terminals for high impedance type phonograph are located at the left on the front panel. A shielded lead is advisable to reduce noise and hum pickup. The shield should go to #1. #2 is the live or grid terminal.

Microphone: - A Velocity, Crystal, or Velotron Microphone may be used and should be connected by means of a single conductor shielded cable and the screw connector located below the input terminal strip. The female connector supplied with the amplifier should be fitted to the microphone cable as described and illustrated on back of sheet.

Output: - Only the 2 voice coil leads are used as shown in the diagram. Any combination of speakers or lines may be connected to the terminal strip marked "OUTPUT" as follows:- Terminal #1 is "Common", #2 is two ohms, #3 is four ohms, #4 is nine ohms, #5 is fifteen ohms, and #6 is 500 ohms.

Power Receptacle And Fuse:- An 110 volt power receptacle is located on the rear panel for use with speaker field exciters, phono motor, etc. It is controlled by the master switch on the front panel. A two ampere fuse is mounted on the rear, under a protective cover. If the fuse has blown, the wiring and tube should be examined for possible trouble before a new fuse is inserted.

NOTES: Protective Lamp - If the lamp mounted with the tubes lights up, it is a warning, indicating that some part of the equipment is "Grounded". This should be corrected before attempting to operate further. On DC, if there is no response; or an AC, if there is a loud hum; reverse the polarity of the line cord by removing the plug, giving it a half turn and reinserting into power outlet.

Tubes: - The filaments of the tubes are connected in series as shown in the diagram. If one tube burns out the other tubes will not light.

CAUTION: - DO NOT UNDER ANY CIRCUMSTANCES CONNECT A "GROUND" TO THE CHASSIS OF THE AD6 AMPLIFIER. A "GROUND" CAUSES A LOUD HUM, SEE ALSO NOTES ABOVE.

FITTING MICROPHONE CABLE CONNECTOR

1. Skin off about 1 inch of outer rubber covering, exposing shielding.
2. Cut shielding back so that only 3/8 inch is exposed.
3. Clinch sheet metal sleeve around shielding and trim off any whiskers, clinch small ends around rubber insulation only.
4. Remove inner rubber insulation from wire, within 1/8 inch of metal sleeve.
5. Tin wire with solder and cut to about 1/8 inch.
6. Slip cable through connector body and solder wire into hollow end of center contact.
7. Draw cable back into connector body. Force bakelite washer into recessed seat. Tighten set screw into metal sleeve.
8. Never use soldering paste or acid on any microphone connection. Use Rosin core solder.