The Model D6 is a 6 watt AC operated amplifier, useful especially for small installations.

**POWER RATING:** 105-125 volts AC, 60 Cycles, consumption 50 watts.

**TUBES USED:** Total 4: 2-6C8G; 1-6L6; and 1-5Y4G. The tube shields provided should be used on the two 6C8G tubes on the extreme left.

**CONNECTIONS:** Phonograph:

The two post terminal strip on the upper left corner of the front panel is for high impedance type of phonograph pickup. A shielded wire should be used to reduce hum pickup. Connect the shield to terminal #1, which is grounded. Connect the wire itself to terminal #2.

**Microphone:** High impedance type of microphones such as Velotron, Velocity or Crystal, may be connected to the microphone connector on the front panel. Be sure to use shielded microphone cable.

**OUTPUT:**

The speaker is connected to a 6 prong plug, as shown in the diagram marked "MALE". The socket on the chassis is marked "SPKR" (FEMALE). This provides field current for a 1000 ohm speaker field. A cable having four conductors is used. The other two prongs are joined by a jumper wire as a safety measure. If the speaker is removed, the 110 volt supply is cut off.

**REMARKS:** If any hum is noticed when using the microphone, reverse the line polarity by pulling out the AC line plug, giving it 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 phono input may be used to ground the system.

**FITTING MICROPHONE CABLE CONNECTOR**

1. Skin off about 1/2 inch of outer rubber covering, exposing shielding.
2. Cut shielding back so that only 1/4 inch is exposed.
3. Clinch sheet metal sleeve around whole cable so that small ends clinch upon shielding. Trim off any whiskers which might cause short.
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.