(see Figure 5). A 4-½-volt alkaline battery should be inserted, being sure to follow the polarization label. With the very small current drain of 3.5 mA, it is common to have 150 hours or more of battery life.

An alkaline-type battery is recommended because of its much greater shelf life and less likelihood of leakage.

A noticeable reduction in output gradually occurs well before complete failure, usually allowing replacement of the battery without program interruption.

The BK-1 may also be operated from any phantom power source between 24 and 48 volts. The microphone can be operated from a phantom supply with a battery installed without any effect on microphone performance.

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The microphone shall be a Single-D cardioid electret condenser type with frequency response of 50 to 18,000 Hz.

The microphone shall have an 150-ohm balanced output, with an output level of −50 dB (0 dB = 1 mW/10 dynes/cm²), and EIA sensitivity rating of −144 dB. The microphone shall have an electret condenser generating element whose output shall not be appreciably affected by temperature extremes from −17.8°C (0°F) to 54.4°C (130°F) and/or by humidity extremes. An on/off switch shall be provided.

The case shall be zinc diecast with an aluminum battery compartment cover. The finish will be non-reflecting black paint. Dimensions shall be 190.5 mm (7.50 in.) long, not including cable connector, with shank diameter of 25.4 mm (1.0 in.). Net weight (including battery, but less cable) shall be 343 grams (12 oz). The Electro-Voice Model 323 stand clamp and a zippered vinyl carrying pouch shall be furnished.

The Electro-Voice Model BK-1 is specified.

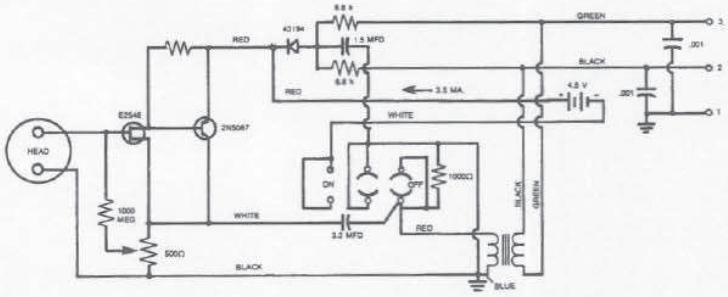


**FIGURE 4 — Schematic**

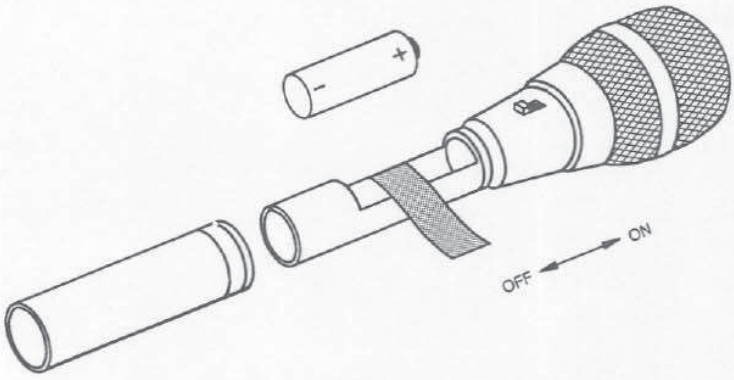


**FIGURE 5 — Battey Replacement**

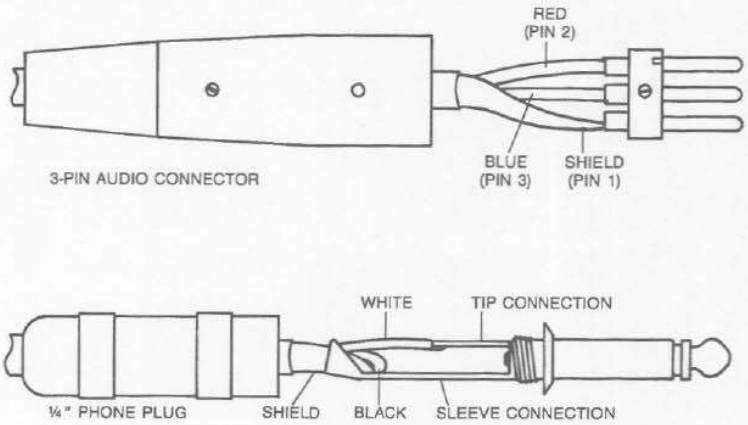


**FIGURE 6 — 3-Pin Connector and ¼" Phone Plug Wiring Connections**