

## **MODEL 200B INDUCTIVE AMPLIFIER**

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### 1. GENERAL

1.01 This section provides information on the Model 200B inductive Amplifier manufactured by Progressive Electronics Inc. (See Figure 1)

### 2. DESCRIPTION

2.01 The Inductive Amplifier is designed to identify and trace wires or cables within a group without damamaging the insulation. The unit is constructed of durable ABS plastic, weighs approximately 5 ounces, measures 8 inches long. Power supply is 1-9V, NEDA type I604 battery with a life of approximately 100 hours. Optional belt-hung leather carrying case, 200C, available.

### 3. OPERATION

3.01 Identification by induction is accomplished by:

- (a) Connecting the tone generator.  
**In working cables that are terminated.**  
Connect one lead of a PEI tone test set

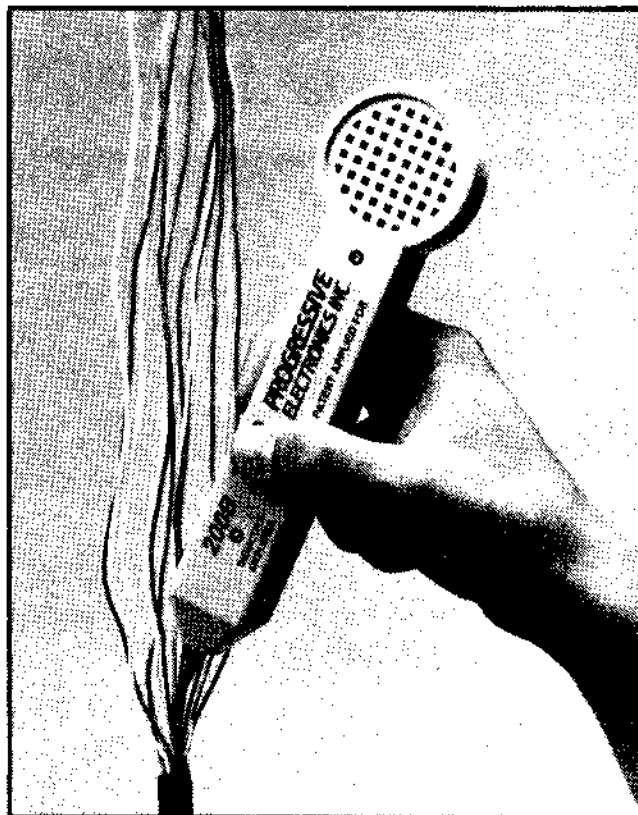


Figure 1 Inductive Amplifier in Use

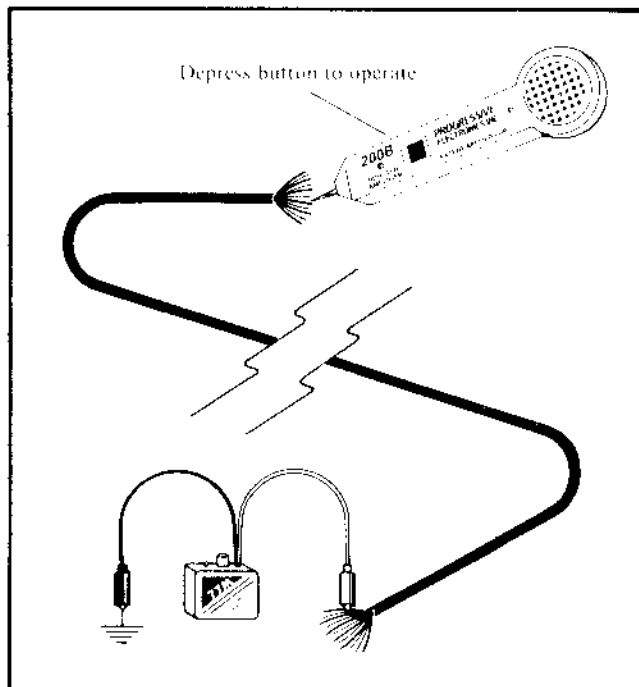


Figure 2 Tone Source Connection

(61, 77A, 77M, 100B, 600LS) to a terminated wire and the other test lead to earth or equipment ground. (See Figure 2)

**In nonworking or unterminated cables.** Connect one test lead of a PEI tone test set (61, 77A, 77M, 100B, 600LS) to an unterminated wire and the other test lead to another unterminated wire.

- (b) Depress the button on the face of the 200B (a very slight buzz, if any, is normal depending upon the environment).
- (c) Touch the tip of the 200B to the insulation of each suspect conductor.
- (d) Reception of tone will be loudest on the subject wire. (Reception of the tone may be improved by separating the wires from the group.)

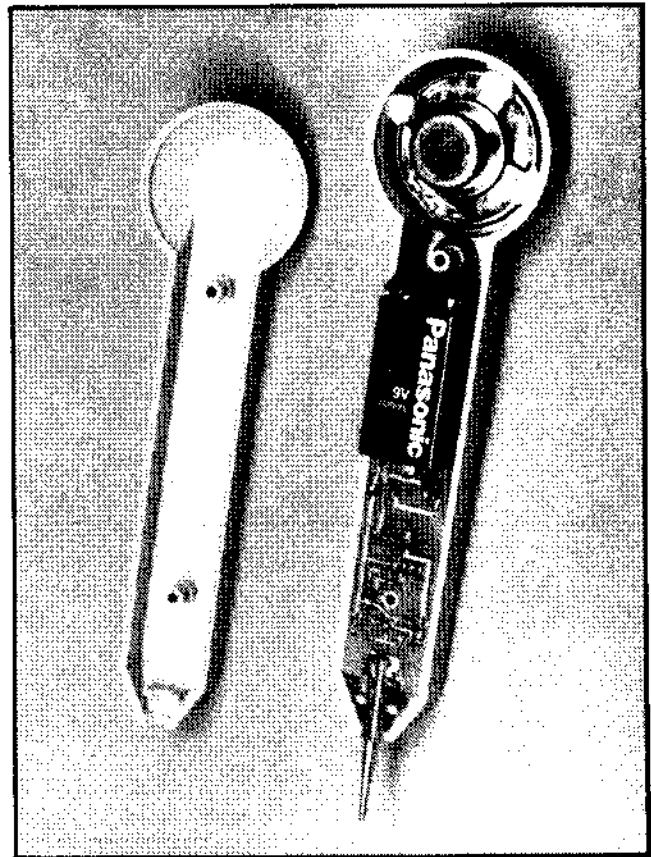
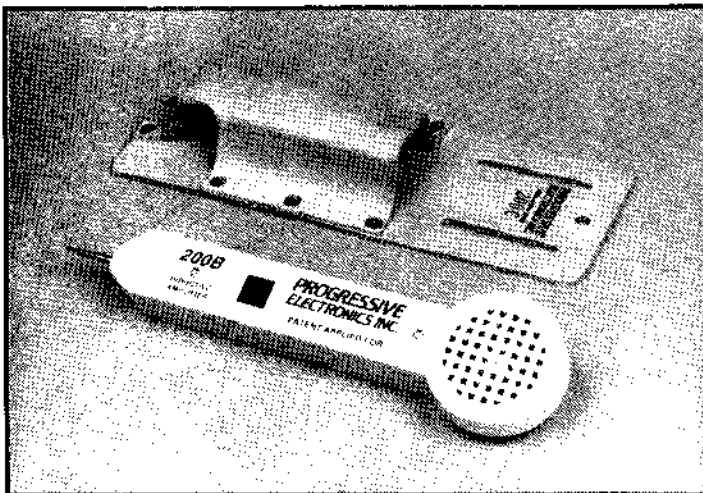


Figure 4 Battery Replacement

#### 4. MAINTENANCE

4.01 The 200B is virtually maintenance free except for replacement of the battery. Remove 2 screws, separate each half, snap in new battery and reassemble. (See Figure 4)



200B with 200C Leather Case