

H1-TYPE RINGER

IDENTIFICATION AND MAINTENANCE

1. GENERAL

1.01 This section is reissued to:

- Add information on the H1B Ringer
- Add Fig. 4
- Change title

2. IDENTIFICATION

2.01 The H1-type ringer is a single-coil, high-impedance ringer with a two position bias spring adjustment. It is equipped with a single 54B gong and a bracket to mount a KS-8109 type or KS-20419L1 buzzer. The component parts are shown in Fig. 1 and 2.

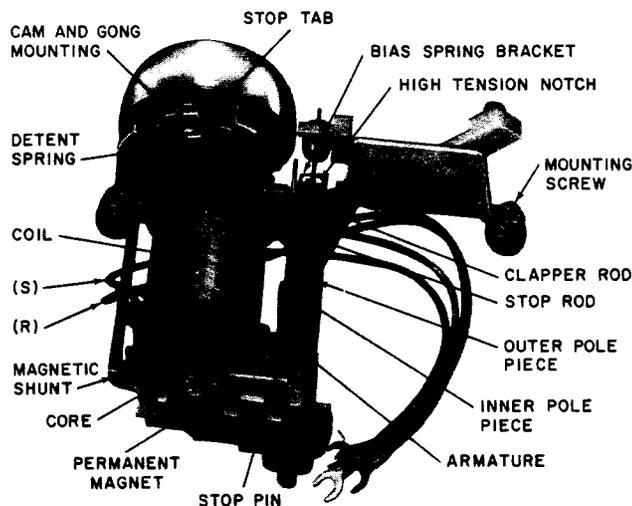


Fig. 2—H1A Ringer, Top View

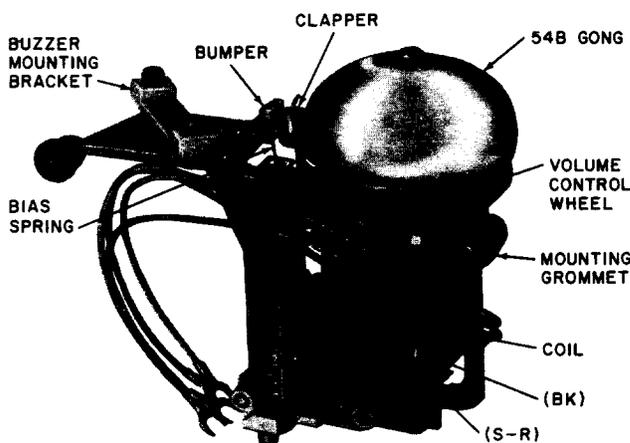


Fig. 1—H1A Ringer, Bottom View

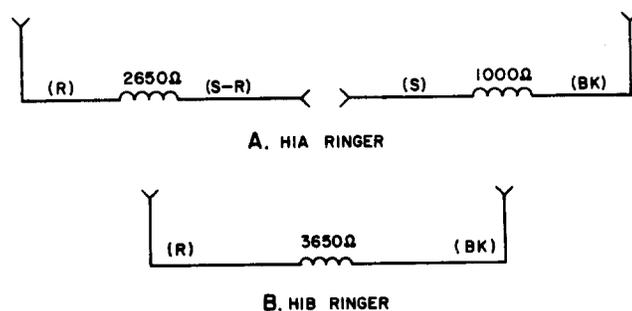


Fig. 3—H1-Type Ringer, Schematic

2.02 The H1A and H1B ringers are identical except that the coil of the H1A ringer has a split winding terminated in four spade-tipped

leads while the H1B has a continuous winding and only two leads (Fig. 3).

2.03 This ringer has a volume control wheel, adjustable in four steps. It can also be cut off by bending the stop tab and moving the volume control wheel to a fifth position (see Fig. 1 and 2).

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2.04 The H1-type ringer is used in various 6-button key telephone sets.

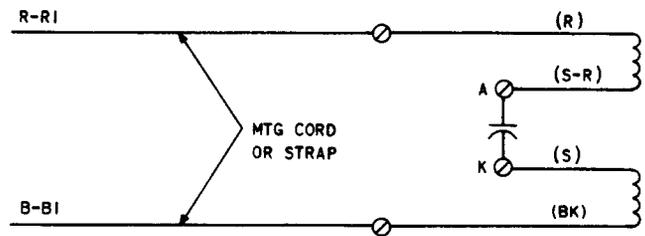
3. MAINTENANCE

3.01 On maintenance visits where ringer fails to operate properly, check the following:

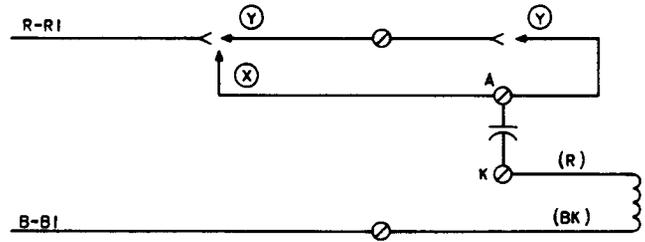
- (a) Volume control wheel—it may be in the cut off position.
- (b) Leads dressed away from ringer gong and clapper.
- (c) Connections are tight and correct.
- (d) Bias spring properly positioned.
- (e) Airgap is clear of dirt or foreign particles.
- (f) Coil windings are not open or shorted.

3.02 If ringer still does not operate properly, replace. If tip party identification is not required, replacement ringer can be either an H1A or H1B.

3.03 Use of an H1B ringer may require wiring changes in the ringer circuit involving the network capacitor. Fig. 4 shows typical ringer circuit and suggested wiring changes.



A. TYPICAL WIRING WITH H1A RINGER



OPTIONS:

- (X) MOVE MOUNTING CORD CONDUCTOR IF OF SUFFICIENT LENGTH
- (Y) SUBSTITUTE STRAP FOR SECOND WINDING

B. SUGGESTED WIRING WITH H1B RINGER

Fig. 4—Telephone Set Wiring With H1-Type Ringer