

RINGER ISOLATOR (D-180036 KIT OF PARTS) IDENTIFICATION

1. GENERAL

1.01 This section is reissued to provide information for use of a 74-type connecting block to install the ringer isolator when limited space is available in the telephone set or associated base.

2. IDENTIFICATION

PURPOSE

2.01 The ringer isolator is an electronic switch which isolates a grounded ringer from the telephone line. It is intended for use on lines having inductive noise in excess of the isolation capability of the 4-element gas tube and should be considered a last choice item for clearing inductive noise troubles.

ORDERING GUIDE

Kit, D-180036

(a) Kit Components

- P-90D011 ringer isolator
- Connector, D-161488 (two)
- Sleeving insulation (two)

DESIGN FEATURES

2.02 The P-90D011 ringer isolator (Fig. 1) consists of a two-transistor switching circuit mounted on a printed circuit board and encased in a vinyl insulating sleeve.

2.03 The ringer isolator is designed for easy installation in telephone set housings (Fig. 2), F- and L-type ringers, and subscriber sets. Space limitations of the AC1 and AD1 telephone base (TRIMLINE® sets) requires use of a 74-type

connecting block for mounting the ringer isolator (Fig. 3).

2.04 The isolator may be used on all grounded ringers except those used in 4-party full selective and 8-party semiselective ringing service.



One ringer isolator is required for each grounded ringer on the line. Lines equipped with isolators cannot be tested for continuity by conventional test desk procedures.

2.05 Fig. 4 is a schematic for the ringer isolator.

2.06 Due to the design of the AC1, AD1 telephone base, and the push-in lock plug used for the handset and mounting cord, the wiring has to be modified in the base when using a ringer isolator and a 74-type connecting block (refer to Section 500-112-100 for connections).

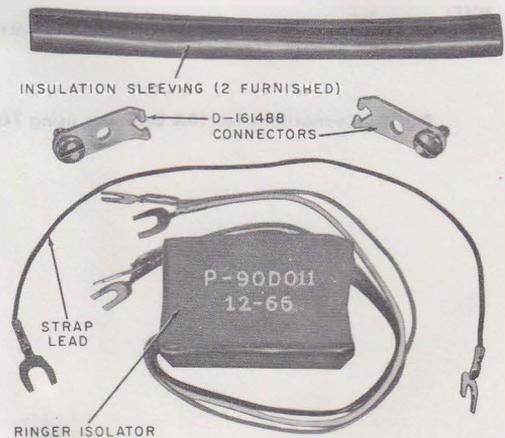


Fig. 1—D-180036 Kit, Ringer Isolator—Components

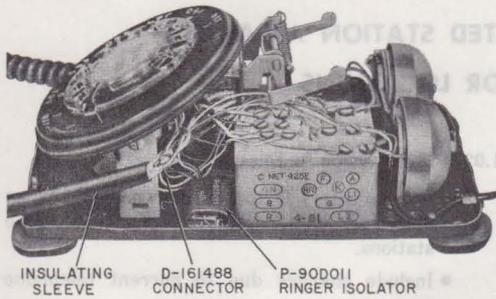


Fig. 2—Ringer Isolator in 500-Type Telephone Set

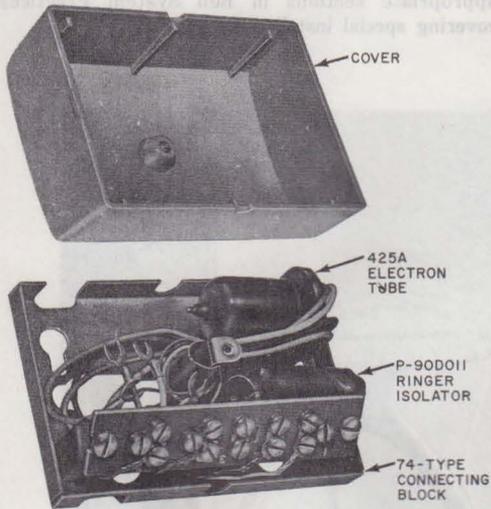


Fig. 3—Ringer Isolator in 74-Type Connecting Block

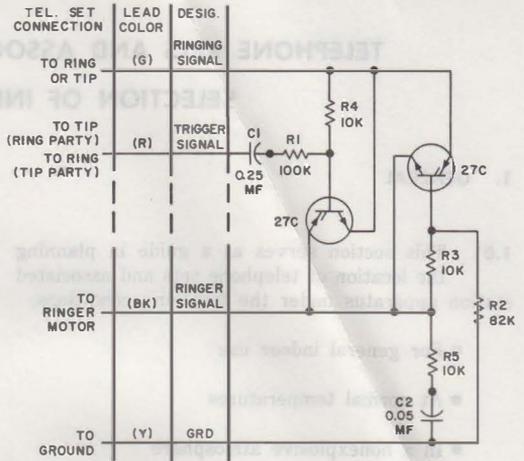


Fig. 4—P-90D011 Ringer Isolator—Schematic