

## 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).

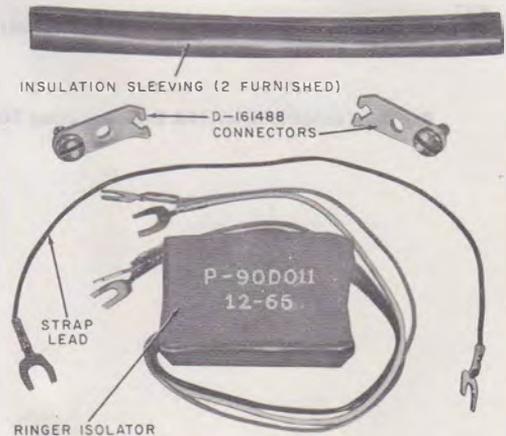


Fig. 1—D-180036 Kit, Ringer Isolator—Components

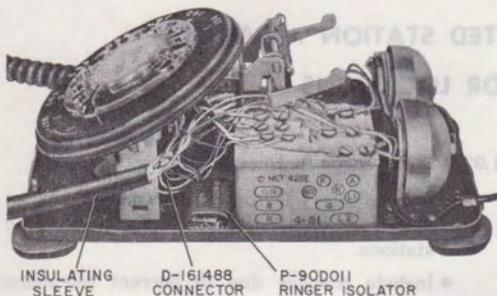


Fig. 2—Ringer Isolator in 500-Type Telephone Set

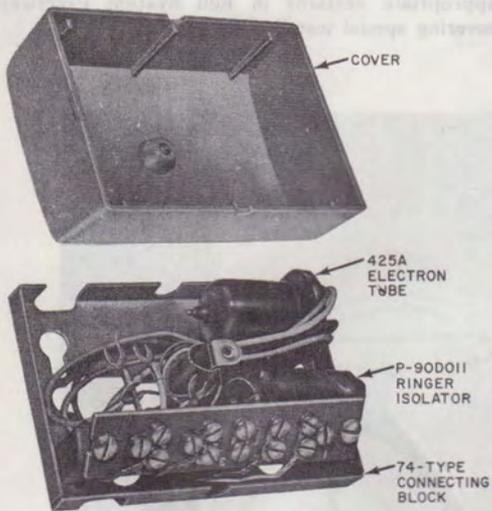


Fig. 3—Ringer Isolator in 74-Type Connecting Block

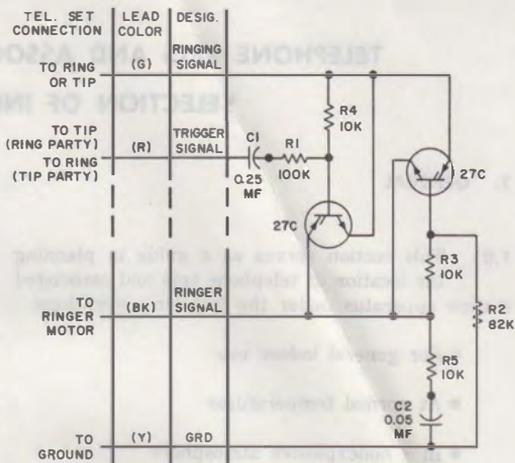


Fig. 4—P-90D011 Ringer Isolator—Schematic