

TELEPHONE SETS

540, 560, AND 1560 SERIES

INSTALLATION

1. GENERAL

1.01 This section contains installation information on components used in 4- and 6-button key telephone sets.

1.02 This section also describes installation of the exclusion feature in 565HK and 1565HK telephone sets.

2. INSTALLATION

Mounting Cords

2.01 Mounting cords on these 4- and 6-button sets terminate at connecting blocks or plug-ended cables.

2.02 Mounting cords with spade tipped leads terminate at a 44A connecting block.

2.03 Mounting cords with plug connectors terminate at a 66E3 connecting block or plug-ended cables. An A25B connector cable is used to extend mounting cords having plug connectors.

2.04 Connection methods are shown in sections covering connecting blocks.

2.05 At the set end, the mounting cord terminates in spade tipped leads and spade tipped wafer sections.

589Y Key Assembly

2.06 The 589Y key (Fig. 1) has conductors on each pickup button which connect to individual wafer sections (Fig. 2). This enables lines to be interchanged between buttons without disturbing the mounting cord at the connecting block.

P-12A892 SCREW DETAIL

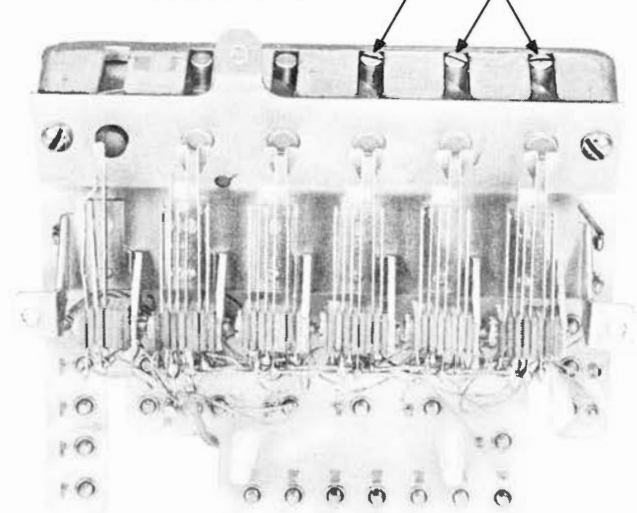


Fig. 1 — 589-Type Key

2.07 Lamps associated with the buttons may have common or individual grounds, determined by the type key used in the set.

Pickup Button Conversion

2.08 Three of the pickup buttons on the 560 and 1560 6-button sets are arranged for conversion to signal. To convert, remove P-12A892 screw detail (Fig. 1) and make necessary wiring changes.

Blocking Unused Buttons

2.09 Unused buttons may be blocked with a P-12A858 blocking ring. Insert ring as shown in Fig. 3.

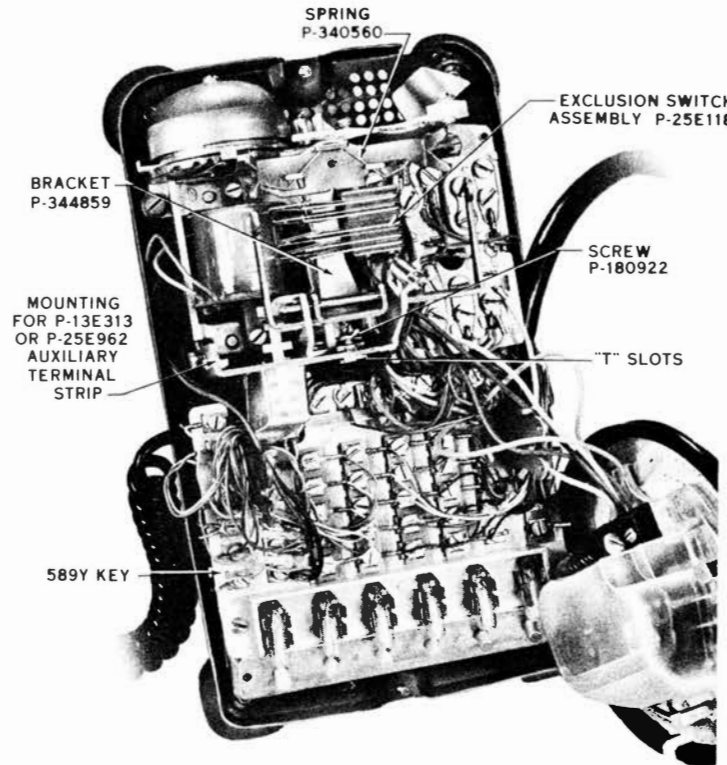


Fig. 2 - 589-Type Key Installed in 565-Type Telephone Set



Fig. 3 - P-12A858 Blocking Ring, Installed

Exclusion Switch Assembly

2.10 The 565HK and 1565HK telephone sets are manufactured with the exclusion plunger included in the housing.

2.11 The exclusion feature may be installed in the field if required. The necessary parts included in a D-179935 exclusion kit are:

- P-344859 bracket.
- P-340560 spring.
- P-180922 screw.
- P-25E118 exclusion switch.

2.12 Install exclusion kit as follows:

- (1) Insert the P-344859 bracket into the two T slots precut in the switchhook bracket (Fig. 4).
- (2) Tighten the P-180922 screw which holds the bracket in the T slots.
- (3) Mount the P-340560 spring and exclusion switch assembly on the bracket (Fig. 4).

2.13 The exclusion switch assembly must meet the following requirements:

- (a) The exclusion plunger should remain in the operated position when pulled up to the full extent of its stroke. It should hold in position when 50 grams of force or less are applied to the center of the plunger.
- (b) The plunger should release from its upper (locked) position when the handset is dropped from a distance of 1/4 inch above the plunger.

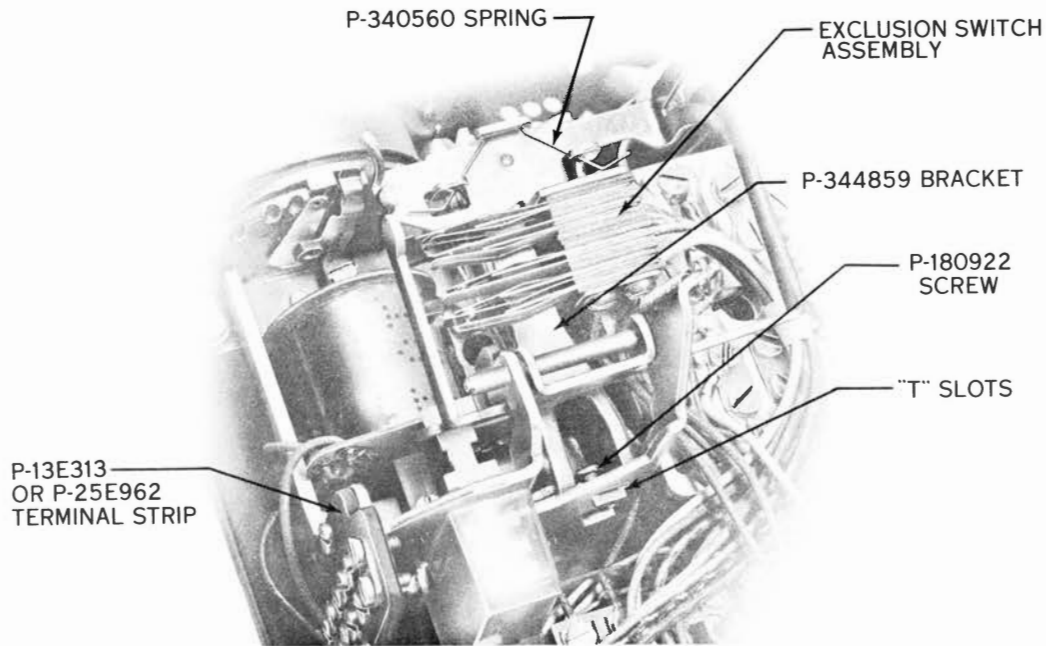


Fig. 4 - P-25E118 Exclusion Switch Assembly, Installed

2.14 The P-25E118 exclusion switch assembly terminates in wafer strips of spade tipped terminals (Fig. 5). This allows adaption of the exclusion feature to any one of the pickup buttons.



Fig. 5 - P-25E118 Exclusion Switch

2.15 Connections for the exclusion switch are shown in the appropriate section.

KS-8109 Buzzer

2.16 A bracket is provided on the H1 ringer to mount a KS-8109 buzzer (Fig. 6).

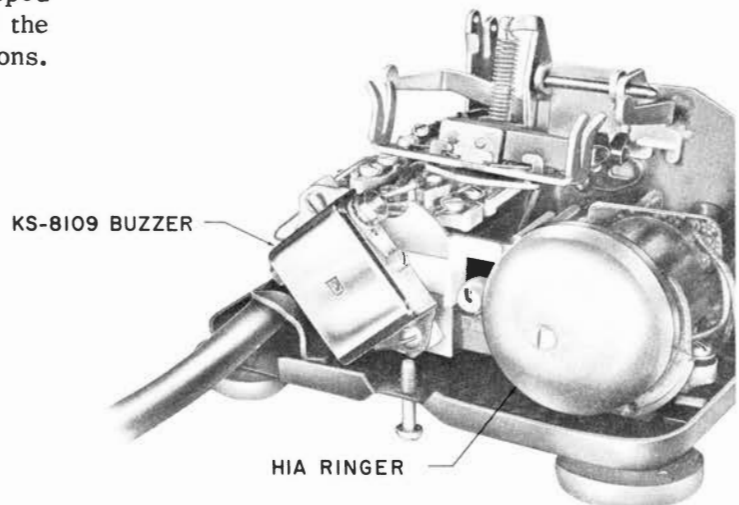


Fig. 6 - Location of KS-8109 Buzzer Ringer

2.17 The ringer leads connect to the RR and RT terminals. By using cord conductors connected to these terminals, the ringer can be connected at the connecting block to any line appearing on the set.

2.18 The volume control cam projects through the base of the set. Volume is adjustable through 4 steps. A fifth step provides ringer silencing.

2.19 To silence the ringer, remove housing and move the fifth-step detent spring from its slot. Rotate the volume control cam to the fifth step position.

Terminal Strip

2.20 Additional terminals for attaching auxiliary equipment must be ordered separately. Sets using the 589-type key (except the 589Y) use a P-13E313 terminal strip. The 589Y and 636A key require a P-25E962 terminal strip. (See Fig. 4.) The auxiliary terminal strip attaches to the switchhook bracket.

TOUCH-TONE Dial

2.21 The 1560-type telephone sets have a 25-type TOUCH-TONE dial. These dials must be poled so that the green lead to the dial is positive (+) and the orange-black lead is negative (-).



The dial will not function if poled in correctly.

2.22 After completing installation, check dial operation on each line. Feedback tones should be heard in the receiver when any button is depressed.

Handsets

2.23 In 540-, 560-, and 1560-type telephone sets with 425B or E networks, the G-type handset may be replaced by a G6AR for impaired hearing, a G7AR for impaired speech, or a G8A for noisy locations.