

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.

1.03 This section is reissued to:

- Convert from "C" series to Plant Series numbering.
- Delete reference to 589Y key.

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 or 66E4 connecting block or plug-ended cables. An A25B connector cable is used to extend mounting cords having plug connectors.

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

2.05 Connection methods are shown in sections covering connecting blocks.

636A Key Assembly

2.06 The 636A 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 in the set without external changes being required.

2.07 Lamps associated with the buttons may have common or individual grounds, determined by the type key used and by the mounting cord furnished with 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.

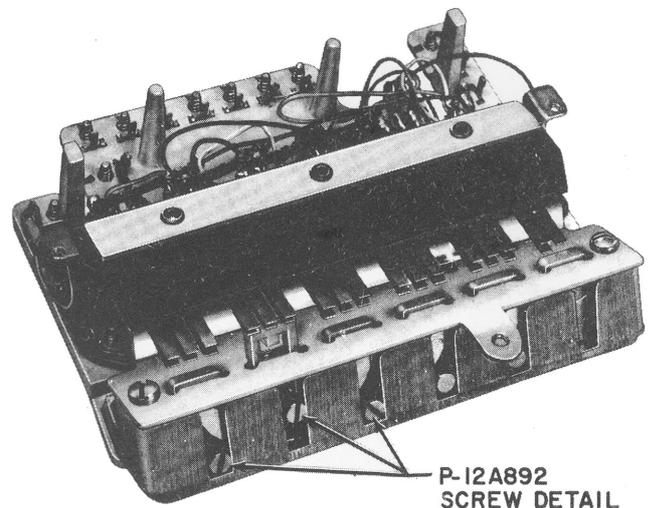


Fig. 1 - 636A Key, Bottom View

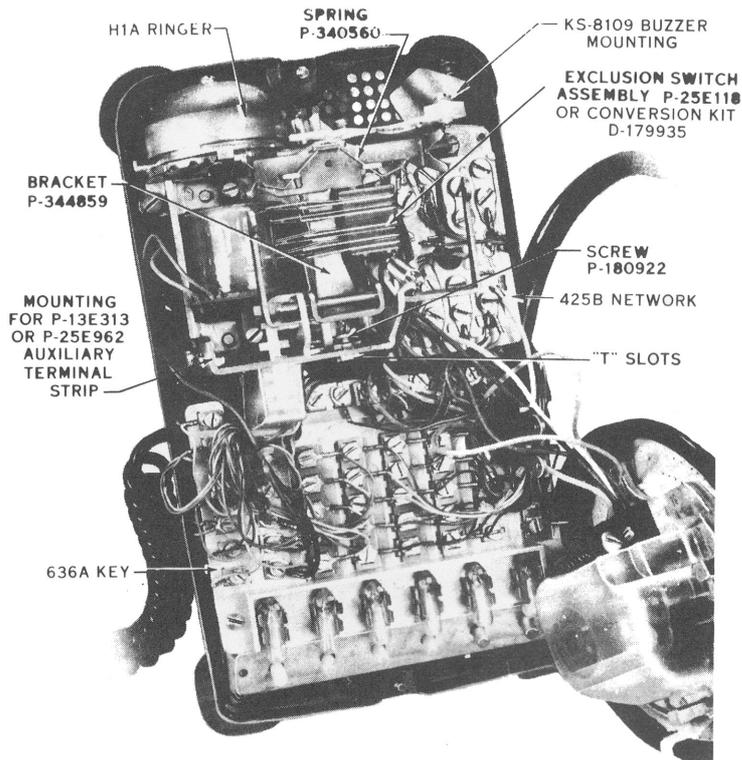


Fig. 2 – 636A Key Installed in 565-Type Telephone Set

Blocking Unused Buttons

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

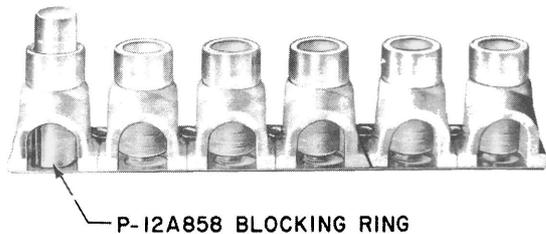


Fig. 3 – P-12A858 Blocking Ring, Installed

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).

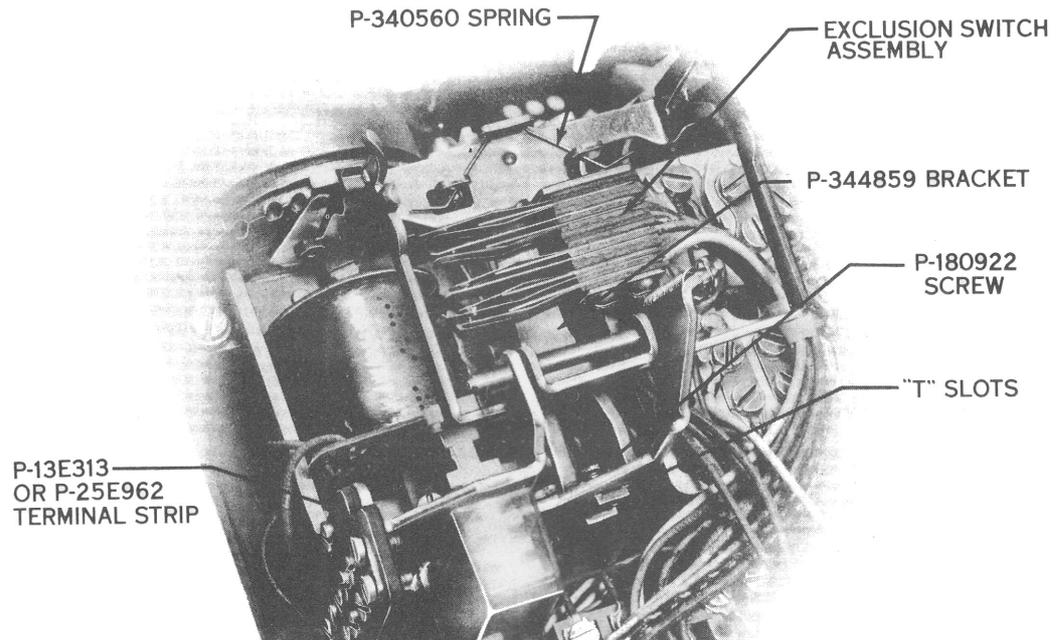


Fig. 4 – P-25E118 Exclusion Switch Assembly, Installed

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.

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.

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

KS-8109 Buzzer

2.16 A bracket is provided on the H1A ringer to mount a KS-8109 buzzer (Fig. 6). A second

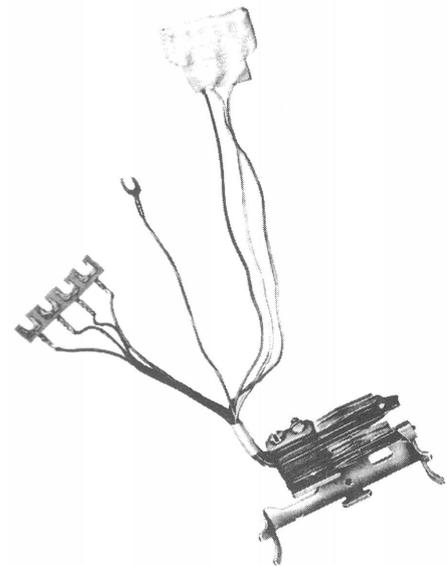


Fig. 5 – P-25E118 Exclusion Switch

KS-buzzer can be installed on a 71-type bracket mounted on top of ringer coil in nonexclusion switch equipped sets.

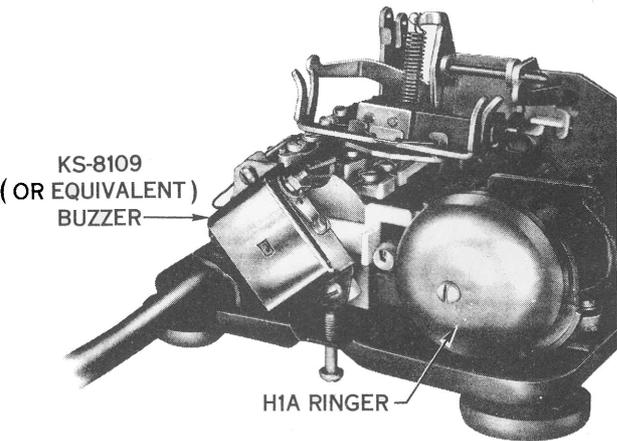


Fig. 6 – Location of KS-8109 Buzzer

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 cutoff.

2.19 For ringer cutoff, 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 in 6-button plug-ended sets must be ordered separately. Sets using the 589-type key require a P-13E313 terminal strip. Those using a 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 the green lead to the dial is positive (+) and the orange-black lead is negative (-).



The dial will not function if poled incorrectly.

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.