

REFERENCE

565-TYPE TELEPHONE SETS

1. GENERAL

1.01 This section provides identification and installation information for the 565-type telephone sets. This information was formerly found in Sections 502-525-103 and 502-525-200, respectively.

2. IDENTIFICATION

Purpose

2.01 These sets provide standard key system features, utilizing a desk-type key telephone set having a rotary dial (Fig. 1).

Application

2.02 The 565-type telephone set can be used on CO or PBX lines in 1A, 1A1, 1A2, or 6A key telephone systems (KTS).

Design Features

2.03 *These Sets Provide:*

- 6-line key (589- or 636-type), providing line pickup, hold, signaling, or cutoff.
- Convertible for use with 1A KTS.
- Spade-tipped or plug-ended mounting cords.
- Arranged for 3-type speakerphone system.
- Provided with 51A lamps for pickup button illumination.



Fig. 1—565HK Telephone Set, Exterior

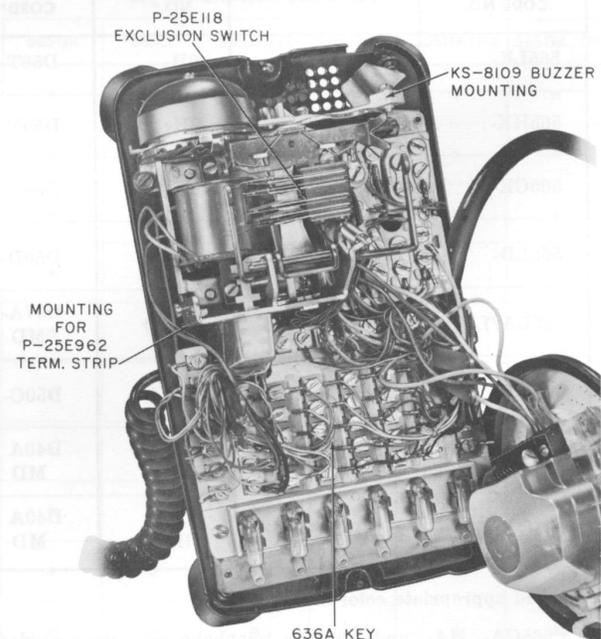


Fig. 2—565HK Telephone Set, Interior

SECTION 502-501-106

- Ringer volume can be adjusted by turning a knurled wheel projecting through the base.

or

- Silenced by removing the housing and making a minor adjustment.

- Choice of ringer or buzzer for audible signal. When sufficient cord conductors are available both may be used.

- Station busy lamp (optional).

- Exclusion (optional).

Set, Telephone, 565HK*

Set, Telephone, 565LK*

Set, Telephone, 565LD* (MD)

Set, Telephone, 565LA/LB* (MD)

Set, Telephone, 565HD* (MD)

Set, Telephone, 565HA/HB* (MD)

Set, Telephone, 565GA/GB* (MD)

Ordering Guide

2.04 Basic Telephone Sets (Refer to Table A for Key Features):

Set, Telephone, 565GK*

* Refer to Table B for color.

2.05 Replaceable Components: Refer to Table A.

TABLE A

REPLACEABLE COMPONENTS AND TELEPHONE SET FEATURES

SET* CODE NO.	FEATURES‡	DIAL NO.*	MTG CORD*	HANDSET*	KEY NO.	NETWORK§	RINGER
565LK-	HPPPPsC	9H-	D50T-	G3AR-	589AJ	425E	H1A
565HK-	HPPPsPsPs	9H-	D50N-	G3AR-	636A	425E	H1A
565GK-	PPPPsPsPs	9H-	D50S-	G3AR-	636B	425E	H1A
565LD-	HPPPPsC	7G-3 7H-	D50D-	G1AR-3 G3AR-	589K	425B	H1A
565LA/LB-	HPPPPsC	7G-3 7H- †	D37A- MD	G1AR-3 G3AR-	589K	425B	C4A
565HD-	HPPPsPsPs	7G-3 7H-	D50C-	G1AR-3 G3AR-	589H	425B	C4A
565HA/HB-	HPPPsPsPs	7G-3 7H- †	D40A MD	G1AR-3 G3AR-	589H	425B	C4A
565GA/GB-	PPPPsPsPs	7G-3 7H- †	D40A MD	G1AR-3 G3AR-	589J	425B	C4A

* Add appropriate color suffix.

† 565GA-, HA-, and LA-type telephone sets are provided with a 95C apparatus blank in place of the 7-type dial.

‡ Pickup buttons indicated in the table as (Ps) may be converted to signaling by removing the P-12A892 screw (Fig. 4 and 5) and making necessary wiring changes.

§ Network is not replaceable.

2.06 Color Ordering Guide: Refer to Table B.

2.07 Replaceable Optional Components:

- KS-8109L2 Buzzer
- KS-20419 Buzzer
- D-179935 Kit of Parts (Exclusion)
- P-25E962 or P-13E313 Terminal Strip (Table C)

2.08 Associated Apparatus:

- 55-type Control Unit
- 760A Loudspeaker†
- 666-Type Transmitter†

} Speakerphone
Option

†Refer to color ordering guide

3. INSTALLATION

636-Type Key Assembly (Fig. 4 and 6)

3.01 The 636-type key has a terminal arrangement to accommodate matching cord terminal wafers, so that any line connected to the set can be interchanged readily to appear on any of the five line pickup keys.

Pickup Button Conversion

3.02 Certain pickup buttons are arranged for conversion to signaling. To convert, remove P-12A892 screw detail (Fig. 4 and 5) and make necessary wiring changes.

3.03 Lamps associated with the buttons may have common or individual grounds. See Service sections of individual telephone sets for the lamp connections.

TABLE B
COLOR ORDERING GUIDE

COLOR	SUFFIX	SET DESIGNATION							
		565LK	565HK	565GK	565LD	565LA/LB	565HD	565HA/HB	565GA/GB
Black	—03	•	•	•	•	•	•	•	•
Ivory*	—50	•	•	•	•	•	•	•	•
Green	—51	•	•	•	•	•	•	•	•
Red*	—53	•	•	•					
Yellow*	—56	•	•	•	•	•	•	•	•
White	—58	•	•	•	•	•	•	•	•
Rose Pink*	—59	•	•	•	•	•	•	•	•
Lt. Beige	—60	•	•	•	•	•	•	•	•
Lt. Gray	—61	•	•	•	•	•	•	•	•
Aqua Blue*	—62	•	•	•	•	•	•	•	•
Turquoise*	—64	•	•	•	•	•	•	•	•

* Nonpromoted color — supplied only on specific customer request.

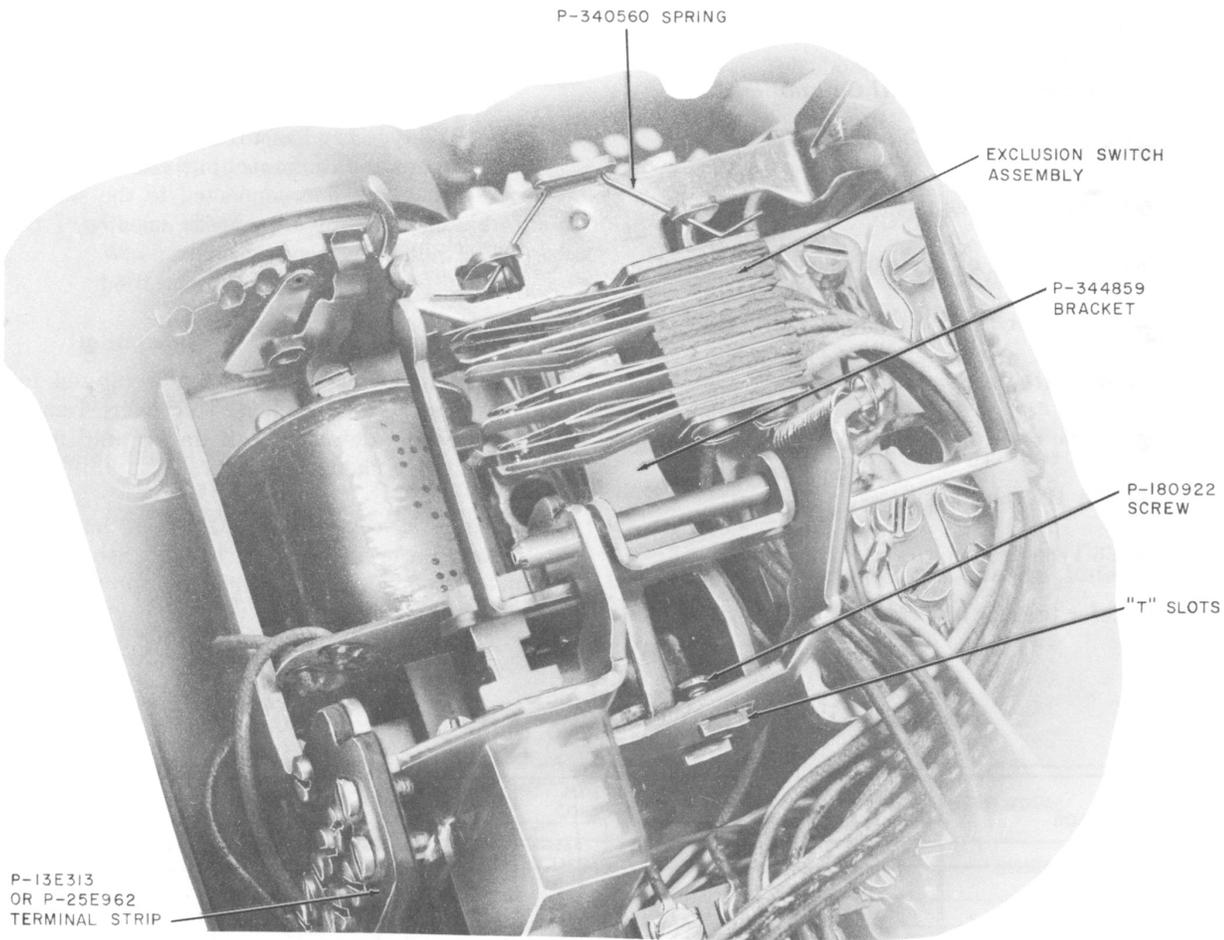


Fig. 3—D-179935 Exclusion Kit, Installed

Blocking Unused Buttons

3.04 Unused buttons, may be blocked with a P-12A858 blocking ring. Insert as shown in Fig. 9.

Exclusion Switch Assembly

3.05 The 565-type telephone sets manufactured prior to May 1967 provided an exclusion plunger in the housing and other components of the exclusion assembly were part of a D-179935 Kit of Parts. Current manufacture of these telephone sets no longer include the plunger in the housing. The plunger is now included in the

D-179935 Kit of Parts (ordered separately and field installed).

3.06 Components of the D-179935 Kit of Parts are:

- P-344859 bracket
- P-340560 spring
- P-180922 screw
- P-25E118 exclusion switch
- P-14A613 exclusion plunger

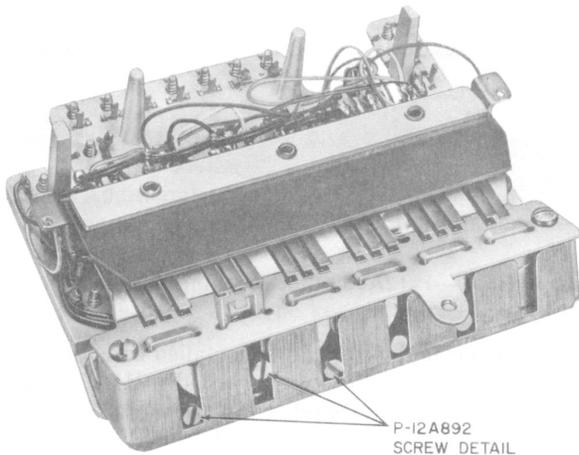


Fig. 4—636A Key, Bottom

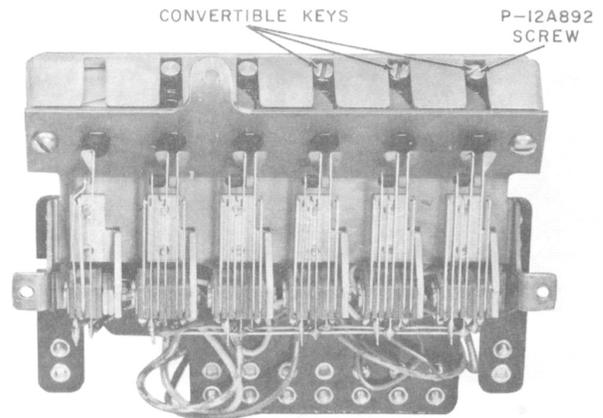


Fig. 5—589-Type Key, Bottom

3.07 Install exclusion kit as follows:

- (1) Insert the P-344859 bracket into the two T slots precut in the line switch bracket (Fig. 3).
- (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. 3).
- (4) Remove the P-13E953 plunger from the left side of the telephone set housing and replace it with the P-14A613 exclusion plunger.



Replace the telephone set housing before making any tests. The housing serves to orient the exclusion switch and tilts the spring pile-up so that it will not short to the bracket.

3.08 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 this position when 50 grams of force or less are applied to the center of the plunger.

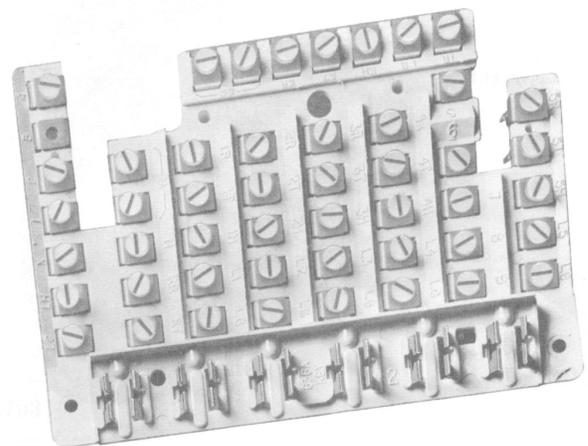


Fig. 6—636A Key, Top

- (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.

3.09 The P-25E118 exclusion switch assembly terminates in individual and wafer strip spade-tipped conductors. This allows adaption of the exclusion feature to any one of the pickup buttons.

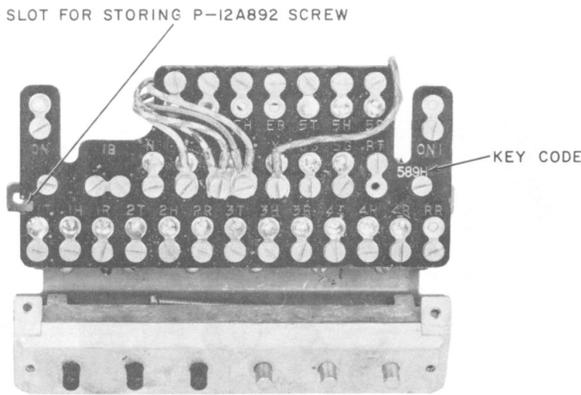


Fig. 7—589-Type Key, Top

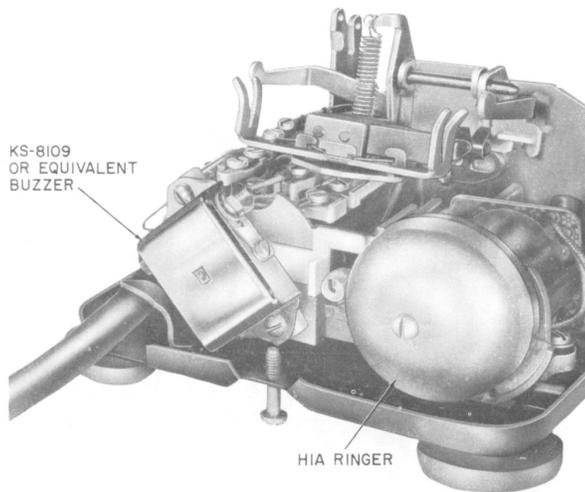


Fig. 8—Location of KS-8109L2 Buzzer

3.10 Exclusion switch connections are found in Service sections covering the appropriate telephone set.

KS-8109L2 Buzzer (AC or DC)

3.11 A KS-8109L2 or equivalent buzzer may be mounted to the bracket provided with a H1A ringer of the set (Fig. 8).

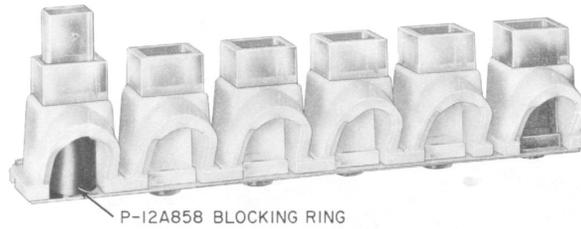


Fig. 9—P-12A858 Blocking Ring, Installed

3.12 A second buzzer can be installed on a 70-type bracket mounted on top of the H1A ringer coil in nonexclusion switch equipped sets. Order 70-type bracket separately.

3.13 A KS-20419 buzzer (10 volt AC only) may be mounted in any convenient location with a screw which must be provided.

Mounting Cords

3.14 Mounting cords on earlier models of the 565-type telephone sets have spade-tipped leads and terminate at 44A connecting blocks.

3.15 Terminating methods are shown in sections covering connecting blocks.

3.16 Plug-ended mounting cords terminate at 66E-type connecting blocks or connect to A-type connector cables. A B25A connector cable is used to extend mounting cords having plug connectors.

3.17 The set end of mounting cord conductors are individually spade tipped and spade-tipped wafer for terminating on 589- or 636-type keys (Fig. 10 and 11).

Ringer

3.18 The ringers may be connected as individual line ringer or common audible signals using the Service section for the appropriate telephone set.

3.19 Volume control wheel projects through the base of the telephone set when equipped with C4A or H1A ringers.

3.20 Ringer volume control wheel is adjustable in four steps. Ringer can be cut off by bending the stop tab and moving the volume control wheel to a fifth position.

Terminal Strips

3.21 Additional terminals for attaching auxiliary equipment in 6-button sets must be ordered separately.

3.22 Sets using 589-type keys require a P-13E313 terminal strip.

3.23 Sets using 636-type keys require a P-25E962 terminal strip.

3.24 These auxiliary terminal strips are attached to the line switch bracket as shown in Fig. 3.

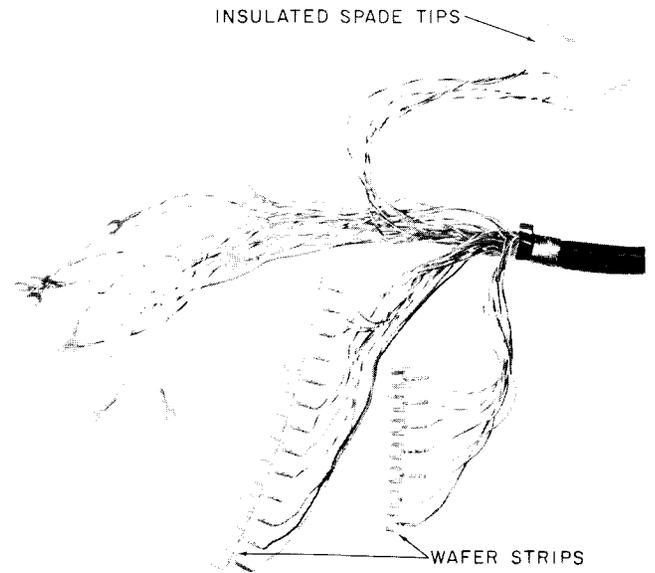


Fig. 10—Set End of Mounting Cord Used With 589-Type Keys

TABLE C
PIECE-PART INFORMATION

TELEPHONE SET	WINDOW STRIP ASSEMBLY	BUTTON AND COLLAR ASSEMBLY	LAMP STRIP ASSEMBLY	AUXILIARY TERMINAL STRIP‡
565LK	P-25E100	P-27E794	†	P-13E313
565HK		P-25E120		P-25E962
565GK		P-27E793		
565LD*	P-17A102	P-43A837	P-13E318	P-13E313
565LA/LB*			P-19E674	
565HD*		P-43A836	P-13E317	
565HA/HB*			P-19B675	
565GA/GB*			P-19B532	

* MD.

† Part of key (not replaceable).

‡ Order separately.

Handsets

3.25 When special conditions exist the G1AR (MD) or G3AR may be replaced by the following:

- G6AR (MD) or G6B handset for impaired hearing
- G7AR handset for weak speech
- G8A or G8B handset for noisy locations

Window Strip Assembly (Fig. 1 and Table C)

3.26 Held in place by two spring clips which fit into mating holes in the set housing.

**TABLE D
REPLACEMENT FOR
TELEPHONE SETS RATED
MANUFACTURED DISCONTINUED**

TYPE SET	SUGGESTED REPLACEMENT
565LD	565LK
565LA/LB	565LK
565HD	565HK
565HA/HB	565HK
565GA/GB	565GK

3.27 Retains the designation card in place above the buttons.

Designation and Directory Cards

- Designation Card—Form E-4227
- Directory Card—Form E-4097—Use with dial selective intercommunicating line circuit features

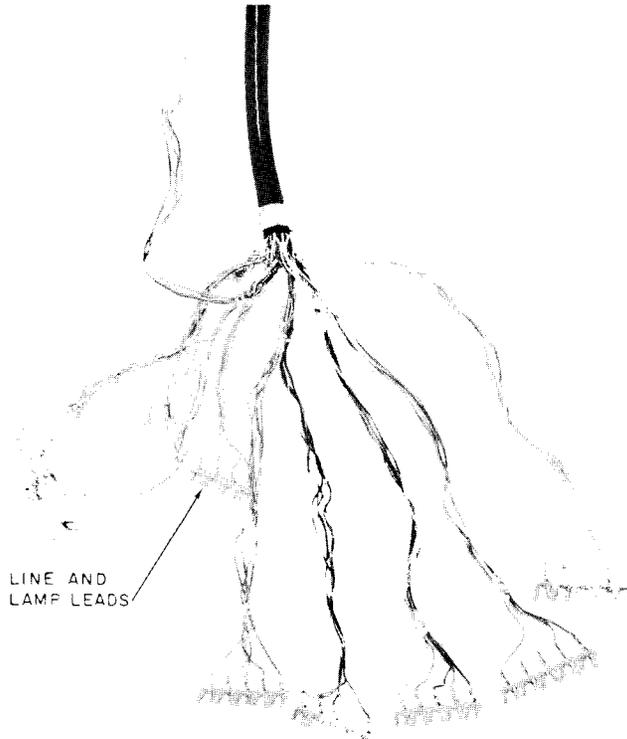


Fig. 11—Set End of Mounting Cord Used With 636A Key