

## REFERENCE

### 1565-TYPE TELEPHONE SETS



Fig. 1—1565-Type (MD) Telephone Set

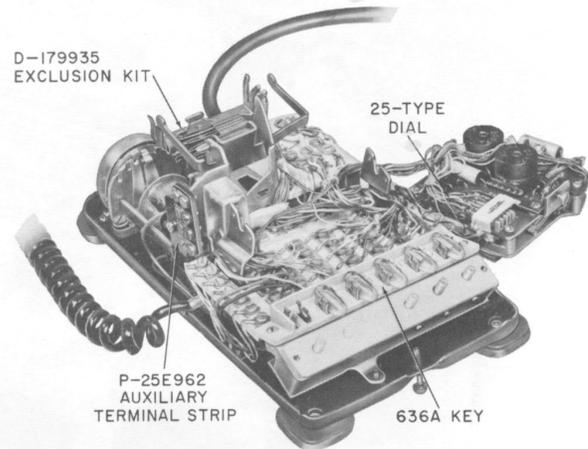


Fig. 2—1565-Type (MD) Telephone Set, Interior View

#### 1. GENERAL

**1.01** This section provides identification and installation information for the 1565-type (MD) telephone sets. Installation information was formerly found in Section 502-525-200. Identification information was formerly found in Section 502-525-113 which is hereby canceled.

#### 2. IDENTIFICATION

##### Purpose

**2.01** These sets provide standard key system features, utilizing a desk-type key telephone set having a 10-button TOUCH-TONE<sup>®</sup> dial (Fig. 1).

##### Applicable

**2.02** The 1565-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** This set provides:

- 6-line key (589- or 636-type), providing line pickup, hold, signaling, or cutoff
- Convertible for use on 1A KTS
- Plug-ended mounting cord
- Factory-wired for 3-type speakerphone control
- Choice of ringer or buzzer for audible signal. When sufficient cord conductors are available, both may be provided.
- Station busy lamp (optional)
- Polarity guard (optional)
- Exclusion (optional)

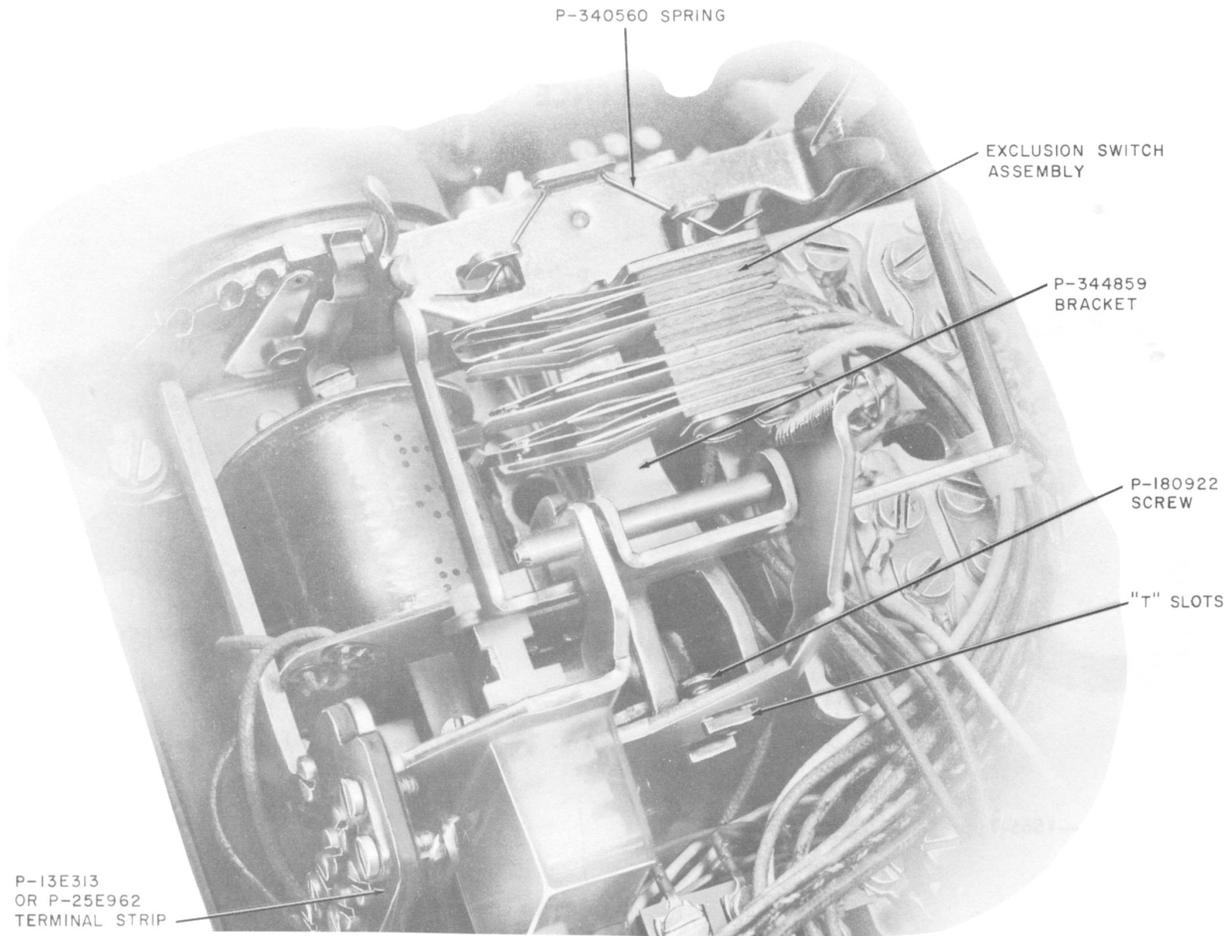


Fig. 3—D-179935 Kit of Parts, Installed

**Ordering Guide**

**2.04 Basic Telephone Sets:**

Set, Telephone, 1565GK-\* 6-line pickup keys

Set, Telephone, 1565HK-\* hold key, 5-line pickup keys

Set, Telephone, 1565LK-\* hold key, 4-line pickup keys and turn-cutoff key.

\* Refer to Table B for color.

**2.05 Replaceable Components:** Refer to Table A.

**2.06 Color Ordering Guide**—Refer to Division 500 for promoted colors.

**2.07 Replaceable Optional Components:**

- KS-8109L2 buzzer
- KS-20419 buzzer
- P-90D052 guard assembly (polarity guard)
- D-179935 Kit of Parts (exclusion)
- P-25E962 terminal strip assembly (1565GK or 1565HK)
- P-13E313 terminal strip assembly (1565LK)

**TABLE A**  
**REPLACEABLE COMPONENTS**

SET	DIAL	RINGER	MTG CORD	HANDSET CORD	KEY†	HANDSET	BUTTON AND COLLAR ASSEMBLY	FACEPLATE	HOUSING ASSEMBLY	CARD RETAINER
1565GK-*	25Y3 or 25B3	H1A	D50S-*	H4CJ-*	636B	G3AR-*	P-27E793	P-84G3*	P-89B1*	P-25E803† and P-269561‡
1565HK-*			D50N-*		636A		P-25E120			
1565LK-*			D50T-*		589AJ		P-27E794			

\* Refer to Table B for color.

† Keys are furnished with 51A lamps except in HOLD position.

‡ Replaces retainer card P-25E785 (MD).

**TABLE B**  
**COLOR ORDERING GUIDE**

APPARATUS	COLOR SUFFIX	HOUSING ASSEMBLY	FACEPLATE
Telephone Set G3AR Handset Mtg Cord Handset Cord	Black —03	P-89B103	P-84G370
	Ivory —50	P-89B150	P-84G380
	Moss Green —51	P-89B151	P-84G371
	Red —53	P-89B153	P-84G369
	Pastel Yellow —56	P-89B156	P-84G372
	White —58	P-89B158	P-84G373
	Rose Pink —59	P-89B159	P-84G374
	Light Beige —60	P-89B160	P-84G375
	Light Gray —61	P-89B161	P-84G370
	Aqua Blue —62	P-89B162	P-84G376
Turquoise —64	P-89B164	P-84G377	

## 2.08 Associated Apparatus:

- GN-2420 instruction booklet is shipped loose with these sets
- 55-type control unit
- 760A loudspeaker\*
- 666-type transmitter\*

} speakerphone option

\* Refer to color ordering guide.

## 3. INSTALLATION

### Mounting Cords

**3.01** These sets are equipped with plug-ended mounting cords. They can be connected to the key equipment using inside wiring cable and a 66E-type connecting block or an A25B connector cable.

**3.02** In sets with 636-type keys, mounting cord line and lamp leads are grouped into wafers.

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on a per line basis which allows easy rearrangement of lines to pickup buttons within set.

### *Speakerphone*

**3.03** When speakerphone control unit is located near telephone set, use a 66E-type connecting block or 149-type adapter to gain access to the required leads. A separately ordered loudspeaker and transmitter must be installed and wired to the control unit when speakerphone is provided. Refer to Division 512 for speakerphone connections to these sets.

### *Exclusion*

**3.04** When exclusion is required with the 1565-type sets, install the D-179935 Kit of Parts as follows:

- (1) Remove housing. Remove hand hold cover and replace left hand line switch plunger (viewed from front of set) with P-14A613 plunger furnished in kit of parts. Replace hand hold cover.
- (2) Insert the P-344859 bracket into the T slots on the line switch bracket.
- (3) Tighten the P-180922 screw to hold the bracket to the T slots.
- (4) Mount the exclusion switch assembly to the bracket and secure in place with P-340560 spring (Fig. 3).



*Replace the housing before making any tests. The housing serves to position the exclusion switch and tilts the spring pile-up so that it clears bracket.*

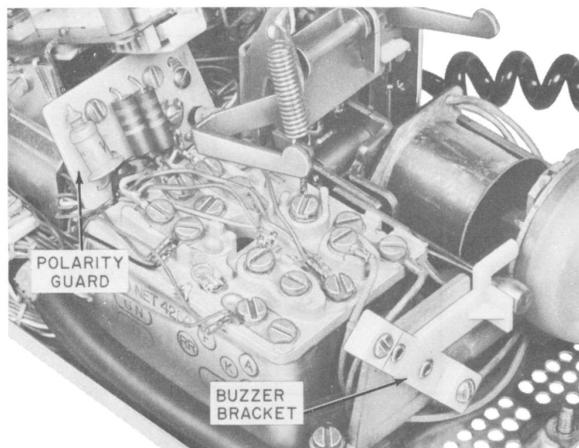
**3.05** The exclusion switch should meet the following requirements after installation:

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

**3.06** Connections for the exclusion switch are given in the appropriate service section.

### *Polarity Guard*

**3.07** Polarity guard protection for the 25Y3 (MD) or 25B3 (MD) dial can be provided by the installation of a P-90D052 guard assembly. Polarity guards should be installed only when authorized by local instructions to prevent battery and ground reversals encountered in end-to-end signaling. For ease of installation, make necessary connections to the terminals of the polarity guard before mounting. Install guard in set by loosening or removing right-hand dial mounting screw to facilitate placing polarity guard bracket as shown in Fig. 4. Retighten dial mounting screw. Polarity guard can not be used with sets having 25B3 (MD) dial if speakerphone is furnished.



**Fig. 4—P-90D052 Guard Assembly, Installed**

### *Buzzer*

**3.08** A bracket and mounting screws are provided in the 1565-type sets for mounting a KS-8109L2 (AC or DC) buzzer (Fig. 4). Buzzer can be used in place of ringer or as an auxiliary audible signal if spare mounting cord conductors are available. A second KS-8109L2 buzzer can be installed on a 70-type bracket, ordered separately, mounted on top of the H1A ringer. The KS-20419 (10 volt AC only) buzzer is an insulated buzzer which can be

mounted in any convenient location with a single screw which must be provided.

#### *Auxiliary Terminal Strip*

**3.09** A terminal strip assembly may be ordered separately to provide additional terminals for connecting auxiliary equipment, if required. Refer to Ordering Guide. This terminal strip attaches to the line switch bracket (Fig. 3).

#### *Signaling*

**3.10** Pickup buttons of the keys used in these sets may be converted for signaling as follows:

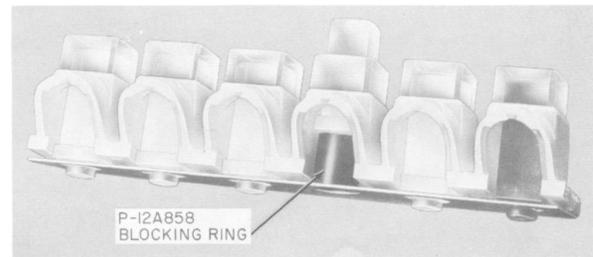
- 1565GK—last three pickup buttons
- 1565HK—last three pickup buttons
- 1565LK—last pickup button

**3.11** Keys are convertible by removing the P-12A892 screw detail and making the necessary wiring changes.

#### *Designation Strips*

**3.12** Use Form E-5002A or E-5002B as a station number card for these sets and Form E-4227-G as a designation strip. Both are installed by sliding under P-25E785 (MD) card retainers on back side of faceplate. If set is equipped with P-25E803 and P-269561 retainers, place number card and designation strip into card retainers, bend retainers slightly and install from front side of faceplate.

**3.13** All unused pickup key positions should be blocked inoperative by using a P-12A858 blocking ring. Install ring between key plunger and coverplate of button and collar assembly as shown in Fig. 5. One ring is shipped loose with these sets.



**Fig. 5—Installation of P-12A858 Blocking Ring**