

REFERENCE

563-, 564-, AND 568-TYPE TELEPHONE SETS



Fig. 1—563HB Telephone Set



Fig. 3—568HR (MD) Telephone Set



Fig. 2—564HL Telephone Set

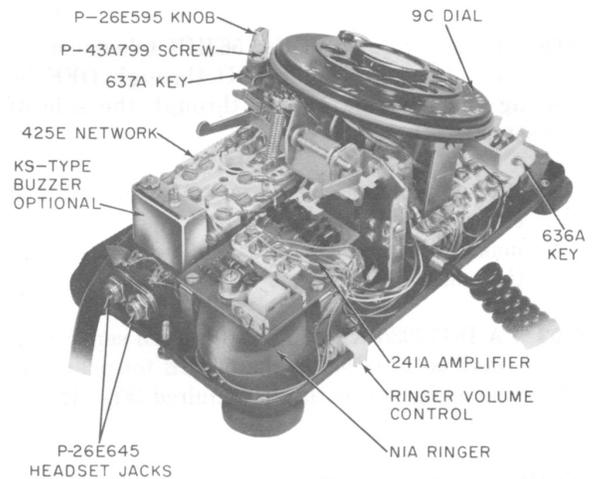


Fig. 4—563HB Telephone Set, Interior

## SECTION 502-501-105

### 1. GENERAL

**1.01** This section provides identification and installation for 563-, 564-, and 568-type telephone sets (Fig. 1, 2, and 3) previously contained in Sections 502-525-102 and 502-532-100 which are hereby canceled.

**1.02** The 563-, 564-, and 568-type telephone sets are desk-type 6-button key telephone sets. The 563-type set is intended for use in 1A, 1A1, 1A2, or 6A key telephone systems. The 564- and 568-type sets are factory-wired for use in 1A1, 1A2, or 6A key telephone systems. The 568-type telephone set can also be used for 2- or 4-wire operation. A relay is used to switch the receiver circuit from the network to the RR and RT leads during 4-wire operation. When ordering sets, refer to Division 500 for promoted and nonpromoted color selection.

### 2. IDENTIFICATION

#### *563HB Telephone Set*

**2.01** The 563HB telephone set (Fig. 4) is equipped with jacks for a 52- or 53-type headset and a turn key to switch between handset and headset. The turn key also provides a flash function for operator recall. A 241A Series II amplifier improves headset transmitter transmission. The amplifier, jacks, ringer, and buzzer (if provided) are mounted on a common bracket.

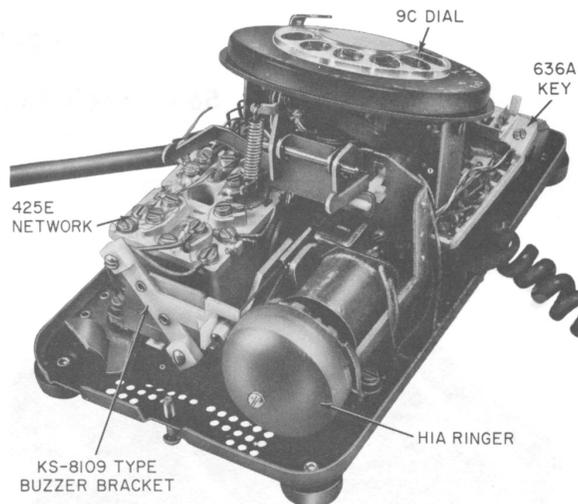
**2.02** Ringer volume in the 563HB telephone set is adjusted from LOUD through OFF by moving the lever extending through the side of the set (Fig. 4).

**Note:** Volume control lever detent action of current N-type ringers has been improved making it more difficult to inadvertently operate the control lever to the OFF position.

**2.03** A D-179935 Kit of Parts (ordered separately) may be installed in the 563HB telephone set when the exclusion feature is required (Fig. 12).

#### *564HL Telephone Set*

**2.04** The 564HL telephone set (Fig. 2 and 5) replaces the 564HK, 564HD, and 564HA/HB telephone sets which are rated MD.



**Fig. 5—564HL Telephone Set, Interior**

**2.05** This set is equipped with an H1A ringer which may be used as a line ringer or common audible signal. Ringer volume may be varied by means of a knurled cam projecting through the base. To silence the ringer; remove housing, bend ringer stop tab, and move volume control cam to fifth position.

#### *568HT (MD) Telephone Set*

**2.06** Buttons 1 through 0 of the 22A dial are for pulsing central office numbers. Priority and special grade facilities may be obtained on 4-wire lines by depressing the red buttons (P) and/or (SG) before dialing the number.

**2.07** The 568HT (MD) telephone set is available in Black (-03) only.

#### *568HR (MD) Telephone Set*

**2.08** The 568HR (MD) telephone set (Fig. 3 and 6) is replaced by the 568HAA telephone set.

**2.09** The 568HR (MD) telephone set is equipped with an N1A ringer (Fig. 6) which may be used as a line ringer or a common audible signal. Ringer volume is controlled by means of a ringer arm projecting through the lower left side of the housing.

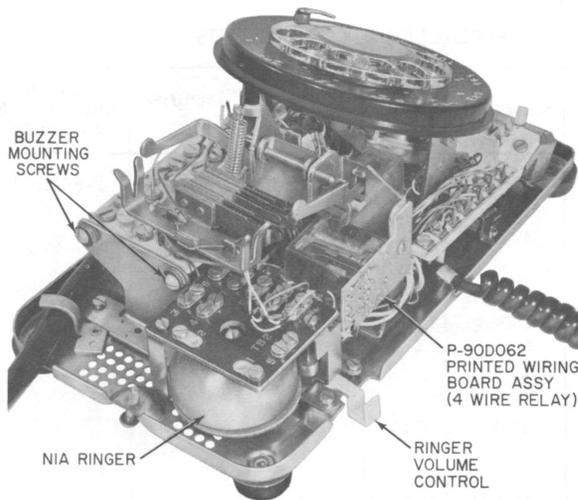


Fig. 6—568HR (MD) Telephone Set, Interior

2.10 The 568HR (MD) telephone set is available in Black (-03), Red (-53), or White (-58).

#### 568HAA Telephone Set

2.11 The 568HAA telephone set is similar to the 568HR (MD) which it replaces, except for the P-90D145 printed wiring board used in place of the P-90D062 printed wiring board assembly. This set also incorporates the new standard wiring pattern established for 2- and 4-wire multibutton key sets.

2.12 This set is equipped with a P-29E254 exclusion switch assembly. See Tables A and B for component and piece part information.

#### Keys

2.13 The 636A keys (Fig. 7 and 8) used in these sets provides hold and five line pickups. The last three pickup keys may be converted to common or private line signaling.

2.14 Pickup buttons are illuminated with 51A lamps and serve as line busy and/or incoming call signals. The red hold button is arranged for, but not equipped with a lamp.

2.15 The 589-type keys (Fig. 9 and 10) were used in early production sets. This type key

provides the same hold, pickup, and signaling features as the 636-type key.

### 3. INSTALLATION

#### Keys

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.

3.02 To convert pickup buttons for signaling use; remove P-12A892 screw detail (Fig. 8 and 10) and make necessary wiring changes.

3.03 Unused buttons, either round or square style, may be blocked with a P-12A858 blocking ring furnished with each telephone set. Insert as shown in Fig. 11.

#### Exclusion Switch

3.04 When required install the D-179935 Kit of Parts (Exclusion Switch Assembly) as follows:

- (1) Insert the P-344859 bracket into the two T slots precut in the line switch bracket (Fig. 12).
- (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. 12).
- (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 test. The housing serves to orient the exclusion switch and tilts the spring pile-up so that it will not short to the bracket.**

#### Buzzers

3.05 A KS-8109L2 or equivalent buzzer may be mounted to the ringer bracket provided with sets equipped with an H1A ringer (Fig. 13).

**TABLE A**  
**563-, 564, AND 568-TYPE TELEPHONE SET REPLACEABLE COMPONENTS**

SET* CODE NO.	DIAL NO.*	MTG* CORD	HANDSET*	KEY	NETWORK§	RINGER	JACK ASSEMBLY	AMPLIFIER ‡	HOUSING AND PLUNGER ASSEMBLY*
563HB	9C-	D50N-	G3AR-	636A-637A	425E	N1A	P-26E645	241A Series II	P-86K100
564HL		D30D-		636A		H1A			
564HK (MD)	D30C-	589Y		425B					C4A
564HD (MD)	7C- or † 9C-	D30B-			589H	H1A			
564HA/HB (MD)		D30A-							425E
568HB (MD)	7G3- or 7H-	D50C-			636A	H1A			
568HF (MD)	9H-	D50N-							425E
568HT (MD)	22A-	D50C-			589H	N1A			
568HR (MD)	9H- or 9M-	D50N-							636A
568HAA					9H-				

\* Add appropriate color suffix.

† 564HA telephone set has a 95C-\* apparatus blank in place of the 7- or 9-type dial.

‡ Early production sets equipped with Series I amplifier must be replaced with Series II amplifier if exclusion switch is installed.

§ Networks are secured to base by rivets and are not replaceable.

**3.06** A second KS-8109 type buzzer can be installed on a 70-type bracket (ordered separately) which mounts on top of the H1A ringer in nonexclusion switch equipped sets.

**Note:** In redesigned bracket, lead dressing post are omitted, therefore extra care should

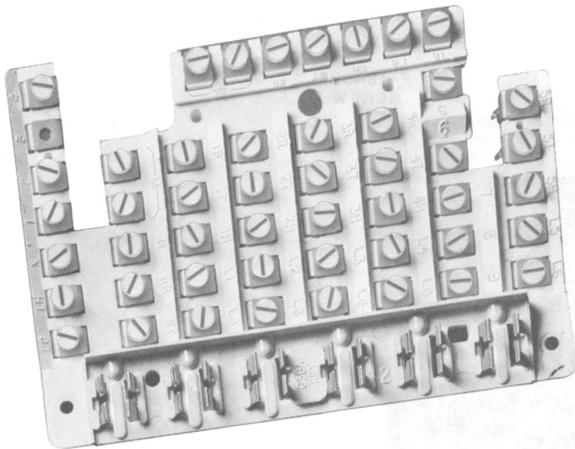
be taken to dress the spade-tipped lead on the F terminal of the 425E network to prevent contact with the buzzer case.

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

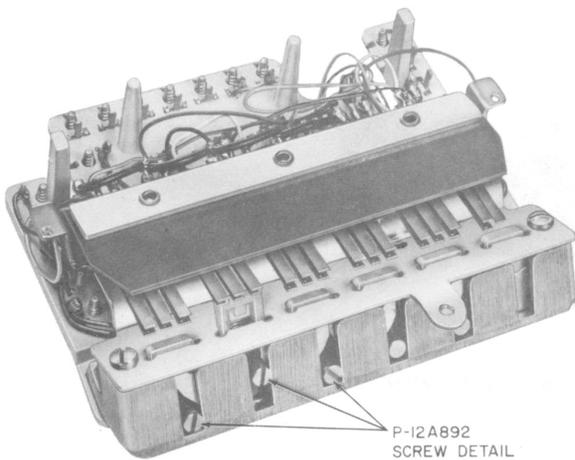
**TABLE B**  
**PIECE PART INFORMATION**

TELEPHONE SET	WINDOW STRIP ASSEMBLY	BUTTON AND COLLAR ASSEMBLY	AUXILIARY TERMINAL STRIP	FACE-PLATE
563HB	P-25E100	P-25E120	P-25E962	
564HL				
564HK*				
564HD*	P-17A102	P-43A836	P-13E313	
564HA/HB*				
568HB*				
568HF*	P-25E100	P-25E120	P-25E962	
568HT*	P-13E894 and P-13E886	P-43A836	P-13E313	P-13E881
568HR*	P-25E100	P-25E120	P-25E962	
568HAA				

\* MD sets

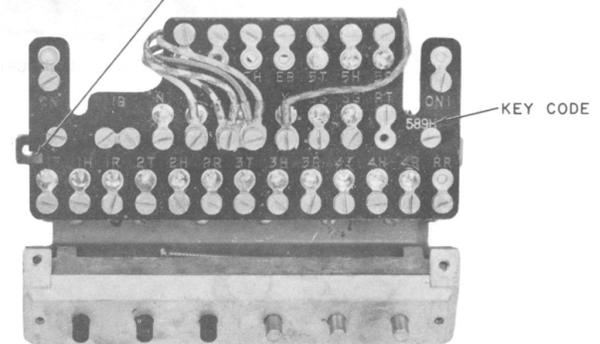


**Fig. 7—636A Key, Top**



**Fig. 8—636A Key, Bottom**

SLOT FOR STORING P-12A892 SCREW



**Fig. 9—589-Type Key, Top**

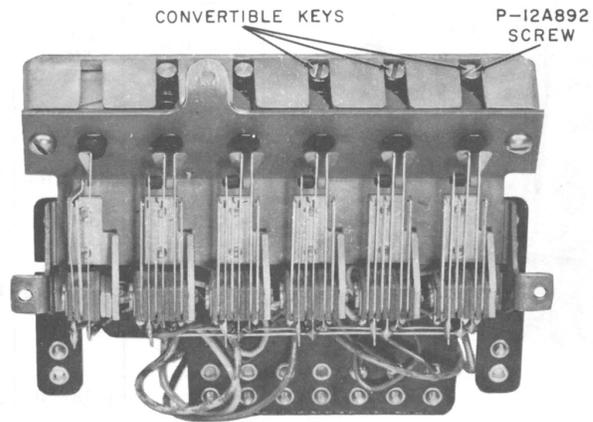


Fig. 10—589-Type Key, Bottom

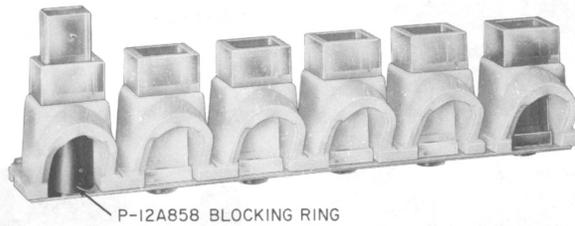


Fig. 11—P-12A858 Blocking Ring, Installed

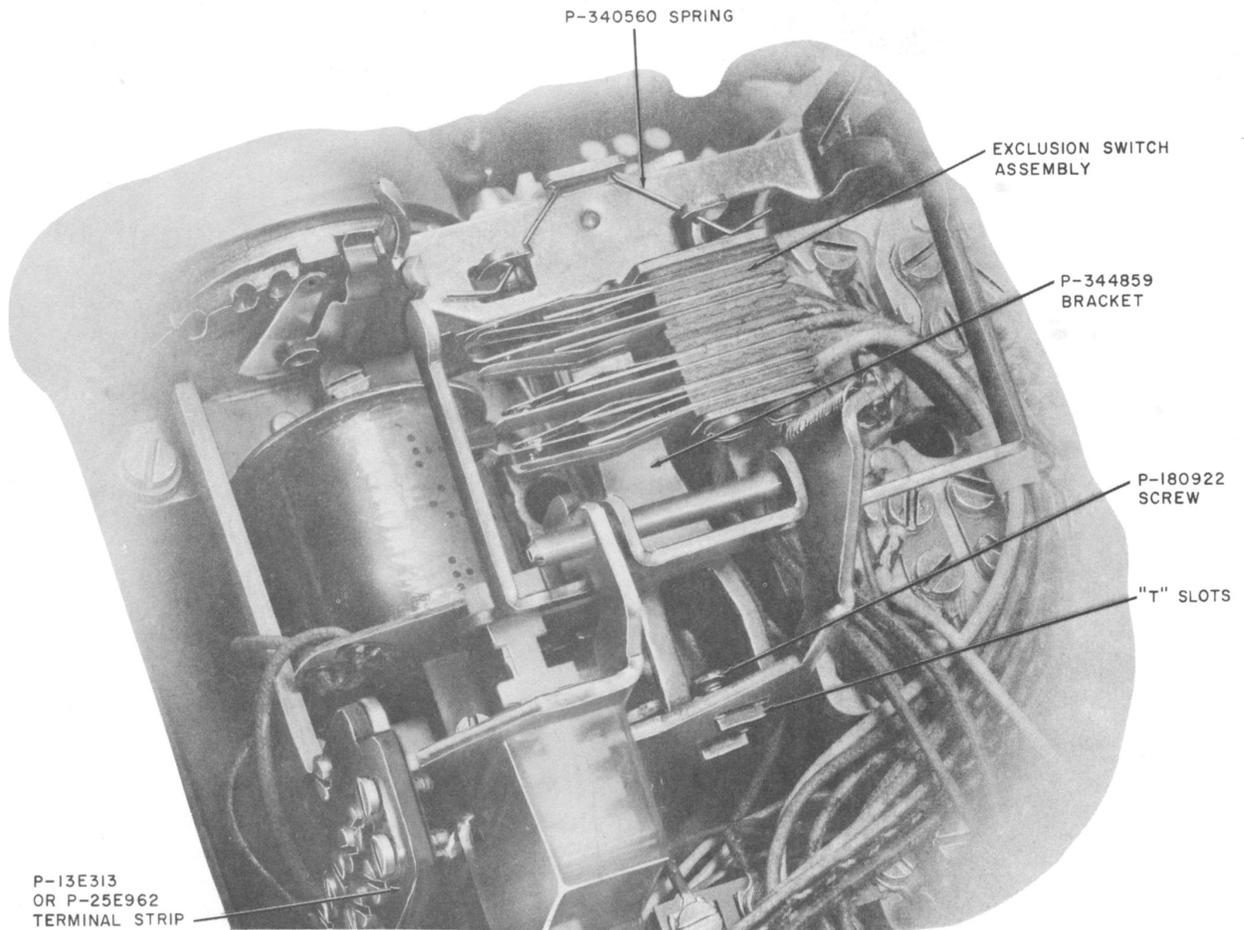


Fig. 12—D-179955 Kit of Parts, Installed

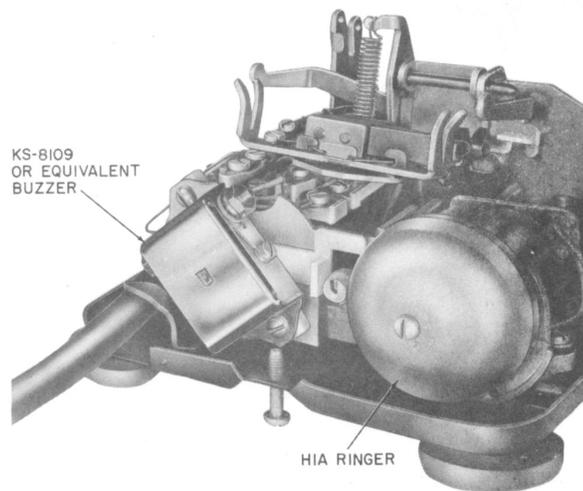


Fig. 13—Location of KS-8109 Buzzer