

TELEPHONE SETS

514B- AND 1514B-TYPE

IDENTIFICATION, INSTALLATION, AND MAINTENANCE

1. GENERAL

1.01 The 514B- and 1514B-type telephone sets (Fig. 1 and 2) are single line desk sets arranged for handset or headset operation.

1.02 Current production 1514B sets are equipped with 25W3 10-button convertible dials; early production sets were equipped with 25A3 (MD) dials.

1.03 Information contained in this section was formerly found in Section 502-510-100, Issue 5 and Section 502-510-300, Issue 3.

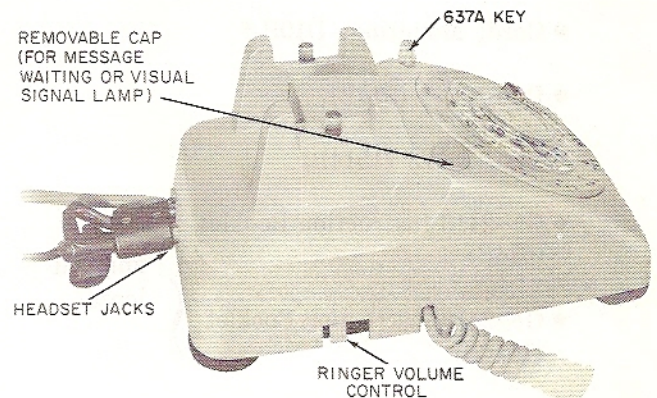


Fig. 1—514B Telephone Set

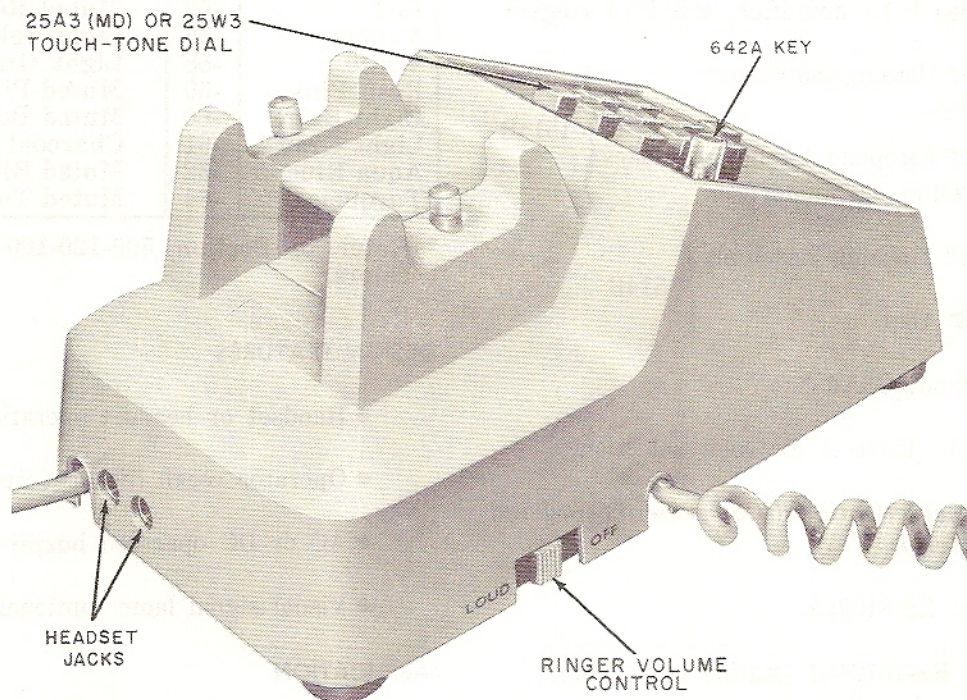


Fig. 2—1514B Telephone Set

2. IDENTIFICATION**ORDERING GUIDE**

Set, Telephone, 514B-*

Set, Telephone, 1514B-*

(a) Replaceable Components

- Cord, Mounting, D10P-*
- Dial, 9C-* (514B)
- Dial, 25W3 (1514B)
- GN-2416 Instruction Booklet (514B)
- GN-2419 Instruction Booklet (1514B)
- Key, 637A (514B)
- Key, 642A (1514B)
- P-44E420 Jack and Component Assembly (includes 241A amplifier, and N1A ringer)
- P-84E7* Housing and Plunger Assembly.
- P-84G2* Faceplate Assembly (includes P-25E803 card retainer)
- P-87C1* Housing Assembly
- P-87C6* Cap
- Set, Hand, G3AR-*

shipped
loose

1514B

514B

* Refer to Table A for color selection.

(b) Replaceable Optional Components (ordered separately):

- Buzzer, KS-8109L2
- Diode, KS-15724L1 (station busy lamp)
- D-179968 Kit of Parts provides a screw type lamp socket for visual signal indication (514B)

- D-179969 Kit of Parts provides a bayonet type lamp socket for visual signal indication (514B)

- D-180115 Kit of Parts (10- to 12-button dial conversion kit, replace faceplate assembly as required) 1514B

- P-90D052 Guard Assembly (dial polarity guard/surge protector) 1514B

(c) Associated Apparatus (ordered separately)

- 52- or 53-type head telephone set

COLOR

TABLE A
COLOR ORDERING GUIDE

STANDARD COLOR*	SUFFIX	FACEPLATE ASSEMBLY (1514B)	
		COORDINATED COLOR	SUFFIX
Black	-03	Charcoal	-70
Ivory	-50	Muted Ivory	-80
Green	-51	Light Green	-71
Red	-53	Muted Red	-69
Yellow	-56	Light Yellow	-72
White	-58	Light Gray	-73
Rose Pink	-59	Muted Pink	-74
Light Beige	-60	Muted Beige	-75
Light Gray	-61	Charcoal	-70
Aqua Blue	-62	Muted Blue	-76
Turquoise	-64	Muted Turquoise	-77

* Refer to Section 500-120-100 for promoted colors.

DESIGN FEATURES

- Handset or headset operation
- Operator recall (headset operation)
- AC or DC operated buzzer (optional)
- Visual signal lamp (optional) 514B

APPLICATION

- CO or PBX lines in 1A, 1A1, or 1A2 key telephone systems

OPERATING FEATURES (Fig. 1 and 2)

- (a) 637A Key (514B) or 642A Key (1514B):
 - Turn contacts provide headset ON-OFF function, also permit transfer between headset and handset operation
 - Push contacts provide flash function for operator recall
- (b) Headset Jacks (part of P-44E420 jack and component assembly):
 - Accepts cord plug of 52- or 53-type headset
 - Associated 241A amplifier amplifies headset transmitter output
- (c) Ringer Volume Control
 - Provides for manual volume control of N1A ringer

3. INSTALLATION

3.01 Insofar as possible, be guided by the customer's wishes in placing apparatus. Consider the following:

- Safety for yourself, customer, and maintenance personnel
- Convenience to user
- Location—desk, table, console, etc.
- Space requirements
- Distance between associated equipment or apparatus
- General appearance of installation

OPTION

3.02 The 514B telephone set may be equipped with a neon indicator lamp by using a D-179969 Kit of Parts or a filament type lamp using

a D-179968 Kit of Parts. When required install kits as follows:

- (1) Remove housing from set.
- (2) Remove cap (Fig. 1) from housing by removing screw and clamp located inside housing assembly, discard cap.
- (3) Install P-17A123 bracket at location shown in (Fig. 3) and attach P-27E389 (bayonet base) or P-13A264 (screw base) lamp socket assembly to bracket arm.
- (4) Install KS-19527L1 lamp (ordered separately) in bayonet type socket and appropriate lamp for power supply used when screw type socket is installed.
- (5) Make necessary connections in accordance with appropriate connection section.
- (6) Install P-11E100 lamp cap assembly on housing of set.

Note: To prevent pilferage of the lamp cap assembly a P-14E582 retainer ring (Fig. 4) may be installed. Order separately. Install ring by pressing two tabs together and inserting into the lamp cap slots (Fig. 5). This prevents normal rotation and removal of the lamp cap.

- (7) Replace housing on set.

4. MAINTENANCE

4.01 Maintenance of these sets consists of replacing defective standard components and is similar to that for other 1-button 500- and 1500-type telephone sets. See appropriate section for detailed procedures.

4.02 Maintenance of the headset ON key consists of cleaning contacts and checking for contact follow. Do not attempt any other maintenance.

4.03 A defective 241A amplifier will cause loss of or low output from the headset transmitter. **DO NOT ATTEMPT FIELD REPAIRS ON THE 241A AMPLIFIER.** If amplifier is defective, replace.

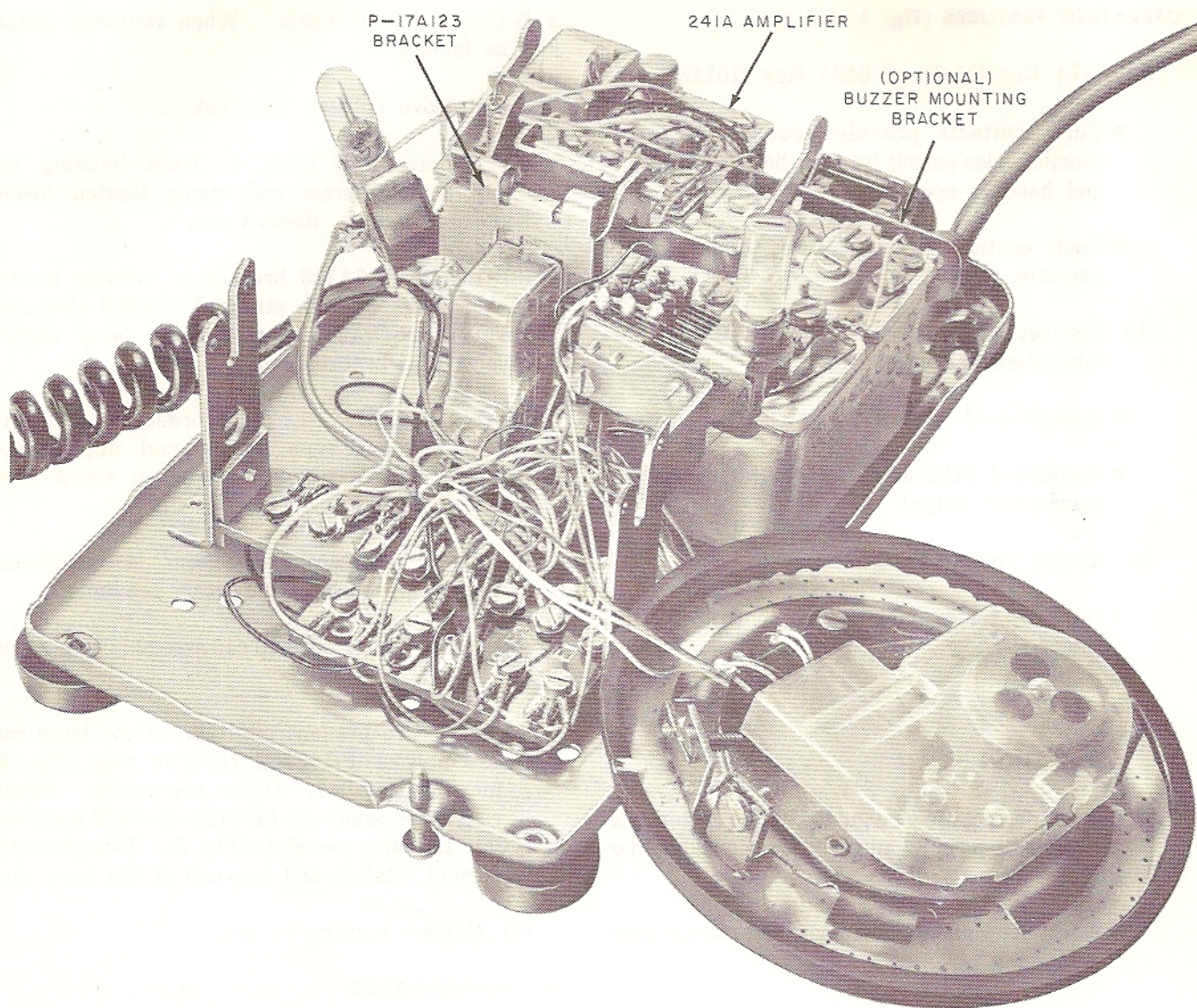


Fig. 3—514B Telephone Set, Interior View

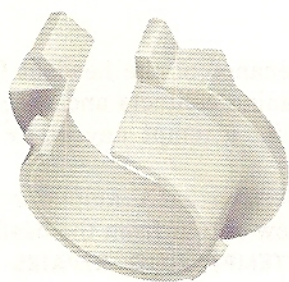


Fig. 4—P-14E582 Retainer Ring

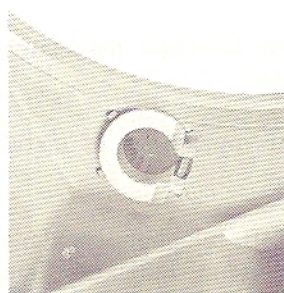


Fig. 5—P-14E582 Retainer Ring Mounted in Set Housing