

TELEPHONE SETS

752, 1752, AND 2752 TYPES

IDENTIFICATION, INSTALLATION, AND MAINTENANCE

1. GENERAL

1.01 This section is reissued to:

- Add information on 3A and 3B cord reels
- Add information on the P-90D061 guard assembly
- To show 2752-type telephone set; recommended to replace the 1752-type

2. IDENTIFICATION

2.01 These sets provide features of a speakerphone equipped 6-button key telephone set arranged for recessed wall mounting.

2.02 Component parts (Tables A and B) of these telephone sets are mounted on a steel panel which is secured in an apparatus box. An aluminum mat retained by a plastic frame covers the panel and gives the installation a finished appearance (Fig. 1 and 2).

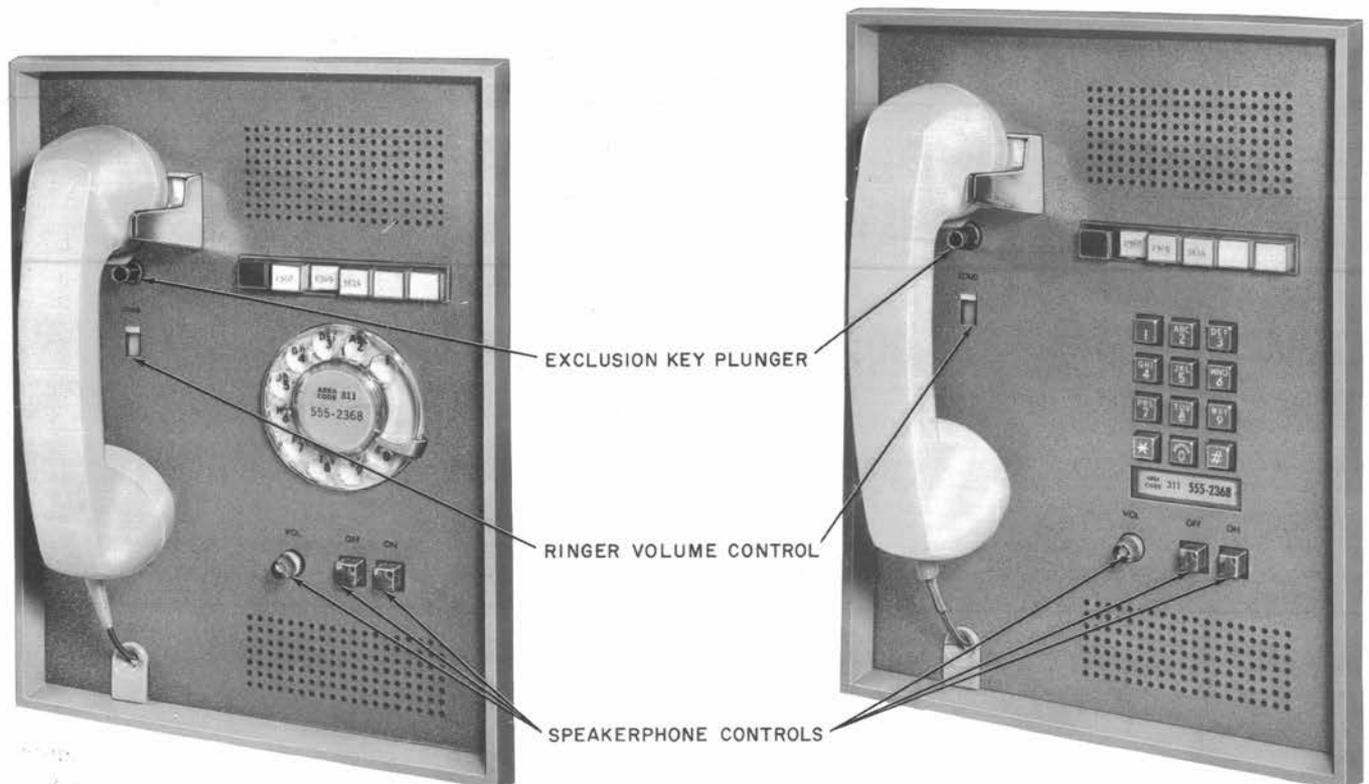


Fig. 1—752- (Rotary Dial) and 2752- (TOUCH-TONE®) Type Telephone Sets

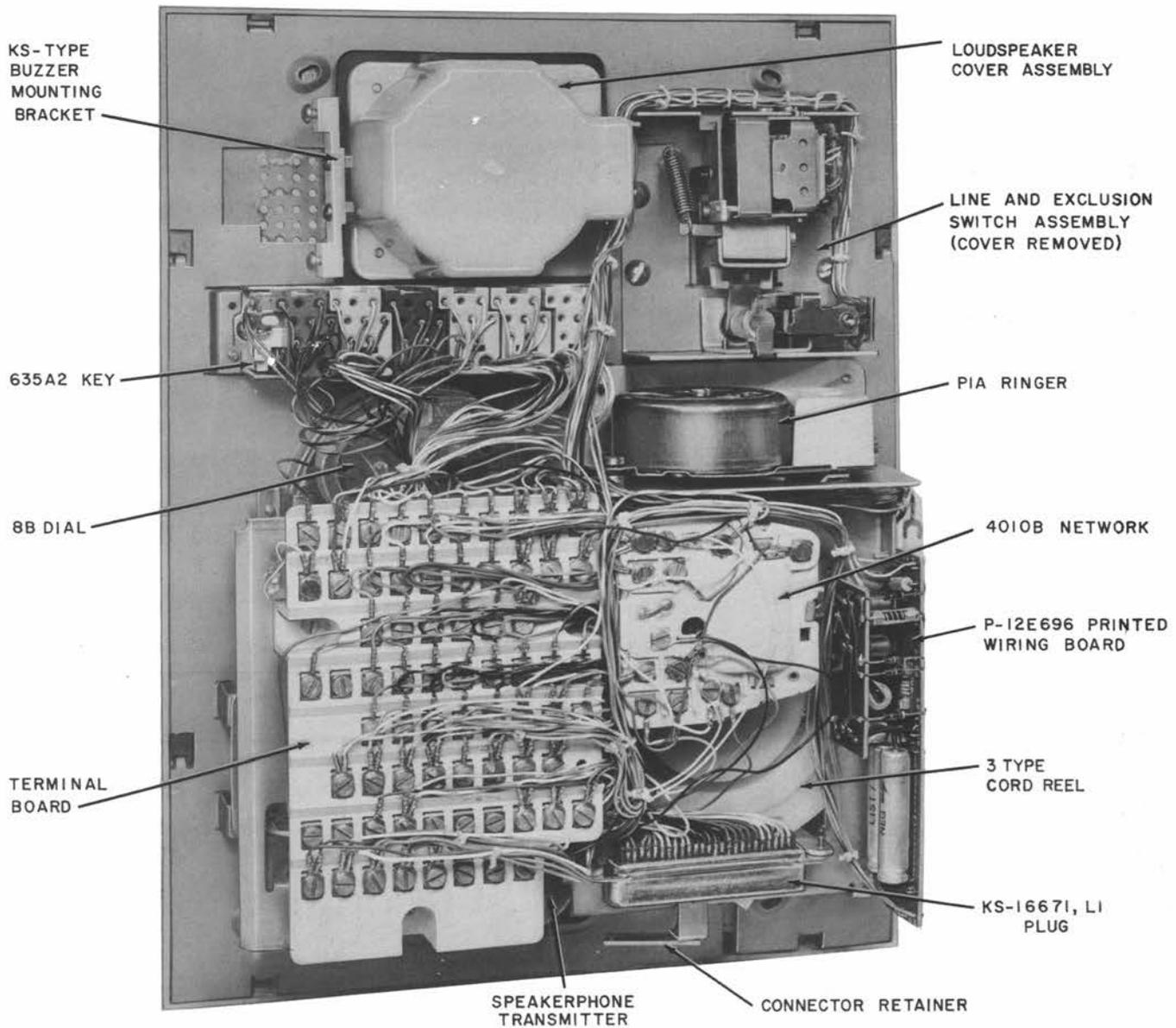


Fig. 2—752-Type Telephone Set, Rear View

ORDERING GUIDE

Set, Telephone, 752A-58, 752B-60

◆Set, Telephone, 1752A-58, 1752B-60 (recommended replacement is 2752-type telephone set)◆

Set, Telephone, 2752A-58, 2752B-60

Note: -58 includes white handset, aluminum mat, and light gray plastic frame. -60 includes light beige handset, copper mat, and light beige plastic frame.

TABLE A
COMPONENT ORDERING GUIDE (COLOR SIGNIFICANT)

TELEPHONE SET	MAT	FRAME (MAT)	EXCLUSION KEY AND LINE SWITCH ASSY.	HANDSET	COLLAR (635A2 KEY)
752A-58	P-27E184	P-84A261* P-89C261†	P-84E861	G3K-58	P-88E161
1752A-58	P-27E186				P-88E166
2752A-58	P-21F792				
752B-60	P-27E185	P-84A260* P-89C260†	P-84E860	G3K-60	P-88E160
1752B-60	P-27E187				P-88E166
2752B-60	P-21F793				

* Furnished with telephone set.

† Furnished with kit of parts used for surface mounting.

TABLE B
COMPONENT ORDERING GUIDE

TELEPHONE SET	DIAL	RINGER	CORD REEL	MOUNTING CORD	LINE PICKUP KEY	SPEAKERPHONE TRANSMITTER ASSEMBLY	LOUDSPEAKER ASSEMBLY
752A-58	8B	P1A	3A or 3B	D50AA-3	635A2	P-29E579 (Consists of AC3 TRMTR Unit, P-29E231 Gasket)	762A
752B-60							(Consists of P-21F246 Loudspeaker, P-27E259 Cover, P-27E188 Gasket, P-44E354 Mounting Screws)
1752A-58*	25Y3† 25B3 (MD)						
1752B-60*							
2752A-58	35C3A						
2752B-60							

* Recommended replacement is 2752-type telephone set.

† May be converted to provide 12-button capability by installing a D-180115 Kit of Parts and replacing mat with appropriate 12-button mat. Refer to Table A for mat piece part ordering information.

(a) **Replaceable Components:** Refer to Tables A and B



Current production models are equipped with the 3B cord reel. Either the 3A or 3B cord reel may be used when the telephone set is not subjected to temperatures below 40 degrees F. Below 40 degrees F only the 3A cord reel should be used.

(b) **Replaceable Optional Components**

- Buzzer, KS-8109L2 (ac or dc) or KS-20419 (10V ac only)
- Transmitter, 664B
- P-90D061 Guard Assembly

(c) **Associated Apparatus or Equipment (ordered separately)**

- Apparatus Box, 114A (recessed mounting) or 113-type (partially recessed mounting)

SECTION 502-750-102

Note: Do not use 113-type in new installation unless necessary.

- D-180039 or D-180040 Kit of Parts (partially recessed mounting)
- Connecting Block, 75A
- Connector Cable, A25B
- D-180115 Kit of Parts (Table B)
- Mounting Cord, D50AA-3
- Unit, Control, 55-type
- Transformer, 2012B

(d) **Associated Optional Apparatus or Equipment (1A home interphone)**

- Unit, Control, 51A
- Receiver, 730A
- Transformer, 2012A or KS-16184

(e) **Loose Parts Furnished With Set**

- Form E-5253, Designation Tab
- P-160828, Mounting Screws (4)
- P-25E803, Retainer Card

DESIGN FEATURES

- 5-line pickup with hold
- Extension exclusion
- 3-type speakerphone operation
- Pickup keys convertible for signaling
- AC or DC operated buzzer (optional)
- Polarity guard (optional)
- 1A home interphone (optional)

APPLICATION

- CO or PBX lines and 1A, 1A1, 1A2, or 6A key telephone systems

3. INSTALLATION

(a) **Planning:**

- Safety for yourself, customer, and maintenance personnel
- Convenience to the customer
- Distance between associated equipment or apparatus
- General appearance of installation

(b) **Apparatus Boxes 113-Type or 114A:** Refer to appropriate installation section in Division 463.

(c) **Installation in 114A Apparatus Box:**

Note: If an A25B connector cable is used to connect telephone set, proceed to (4).

- (1) Dress inside wiring cable conductors through appropriate slots in the 75A connecting block (ordered separately).
- (2) Secure connecting block to mounting bracket in apparatus box.
- (3) Terminate inside wiring cable and D50AA-3 mounting cord conductors in standard color code sequence. Dress slack mounting cord to right side and back of apparatus box.
- (4) Remove plastic retainer frame and mat from telephone set.
- (5) Connect mounting cord (or A25B connector) to telephone set plug and secure in place with connector retainer (Fig. 3).
- (6) Position and secure telephone set in the apparatus box using four mounting screws provided with set.
- (7) Position mat on panel and secure using the mat retainer frame. If necessary, the projecting tabs may be adjusted to insure a snug fit.

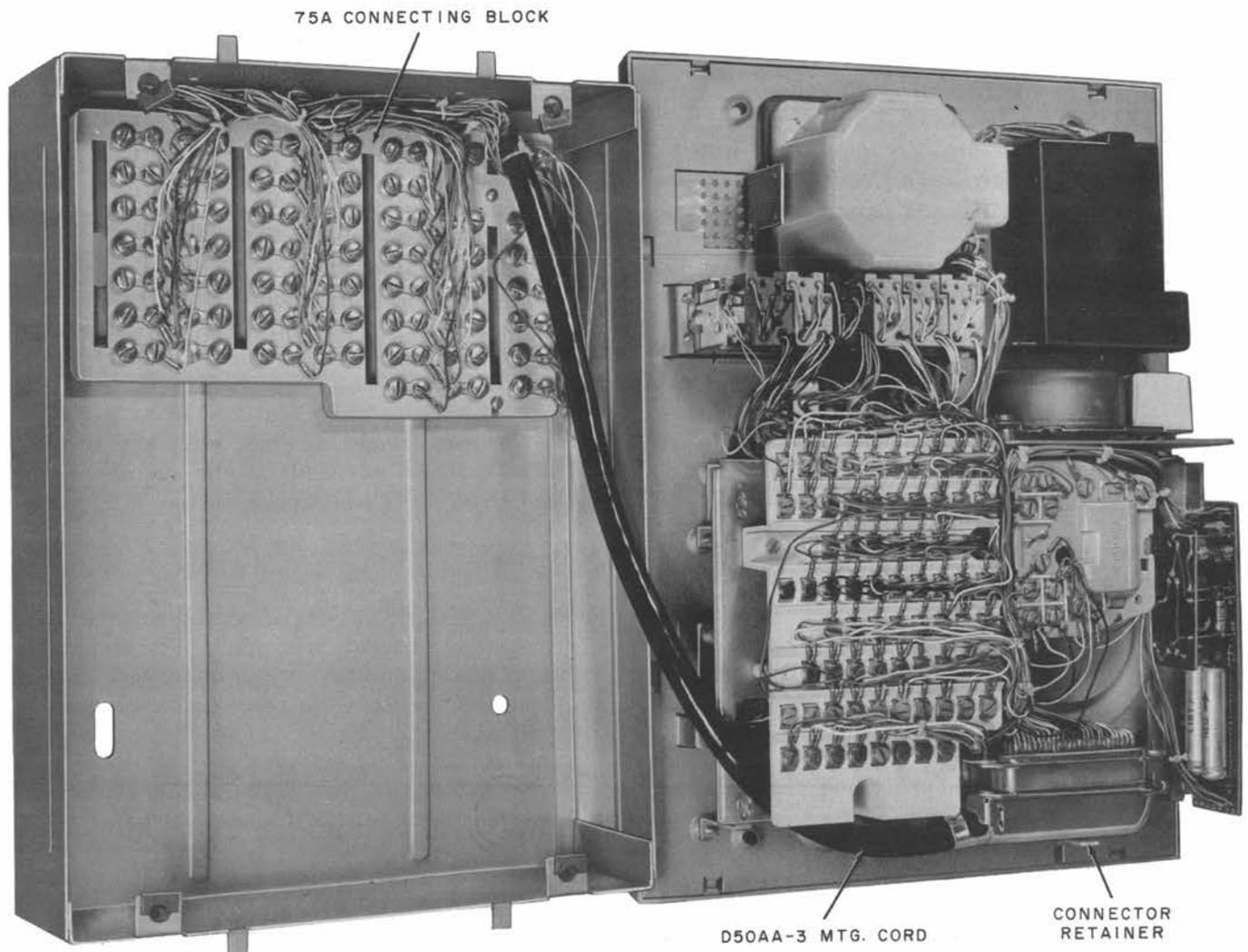


Fig. 3—Installation Detail Using D50AA-3 Mounting Cord and 75A Connecting Block With 114A Apparatus Box

(d) *Installation in 113-Type Apparatus Box:*



A D-180039 (light gray frame) or D-180040 (light beige frame) Kit of Parts, ordered separately, is required when these sets are to be installed in a 113-type apparatus box (Fig. 4).

Note: If an A25B connector cable is used to connect telephone set, proceed to (4).

(1) Dress inside wiring cable conductors through appropriate slots in the 75A connecting block (ordered separately).

(2) Secure connecting block to upper right hand mounting brackets of apparatus box.

(3) Terminate inside wire and D50AA-3 mounting cord conductors in standard color code sequence. Dress slack mounting cord to right side and back of apparatus box (or in applique if provided).

(4) Using the four mounting screws supplied with the telephone set, secure the P-29E247 plate assembly from the D-180039 or D-180040 Kit of Parts to the set mounting brackets of the apparatus box (Fig. 4 and 5).



Exercise care when installing plate assembly with long mounting screws to prevent damaging the 75A connecting block or D50AA-3 mounting cord. If the screws are too long they may be interchanged with the P-205654 screws supplied with the kit of parts.

- (5) Secure two rests (P-29E312), from the kit of parts, to the plate assembly using four screws (P-129732) furnished with the kit.
 - (6) Remove plastic retainer frame and mat from telephone set. The plastic frame furnished with the telephone set will not be required for this installation.
 - (7) Connect mounting cord (or A25B) connector to the telephone set plug and secure in place with connector retainer (Fig. 5).
 - (8) Position telephone set in the plate assembly and secure to the rests using four mounting screws (P-205654) furnished with the kit of parts.
 - (9) Position mat on panel and secure using plastic frame (P-89C260 or P-89C261) from kit of parts.
- (e) **Installation of Optional 1A Home Interphone Components:** Refer to appropriate connection and maintenance section in Division 512.
- (f) **Installation of P-90D061 Guard Assembly**
- The P-90D061 guard assembly may be installed in sets equipped with either a 10- or 12-button TOUCH-TONE® dial (Fig. 6).

Note: The P-90D061 guard assembly (polarity guard) should be used only when specified by local instructions for end-to-end signaling installations where battery and ground reversals are encountered.

- The P-90D061 guard assembly (Fig. 6) is an early production model. Current production is similar in appearance. Component locations and the method of securing the P-21F989 bracket to the guard assembly have been

changed. Mounting in the telephone set and connections remain the same.

- Refer to appropriate section for connection information.◀

4. MAINTENANCE

- 4.01 Work done on customer's premises should be limited to replacement of accessible parts which are available through supply channels, refer to ordering guide tables.
- 4.02 Ringers, handsets, dials, etc. used in these sets should be maintained in accordance with section covering the particular item.

MAT

- 4.03 The exterior of these sets should be clean and not marred or chipped. The vinyl-faced mat may be cleaned with a water-dampened KS-2423 or equivalent cloth. Replace defective mat as follows:

- Grasp mat retainer frame at top, lift upward and out to release frame from panel of set
- Remove handset from hook of set
- Pull out handset cord to allow working slack
- Remove mat from face of panel
- Remove grommet from mat as shown in Fig. 7
- Install grommet in new mat by reversing procedure used in removal
- Position mat on panel and secure using the mat retainer frame

3-TYPE CORD REEL

- 4.04 To test the cord reel, pull the handset cord out to its maximum length. With the cord maintained perpendicular to the panel, the cord should retract fully. Any twists in the cord should be removed before making test.

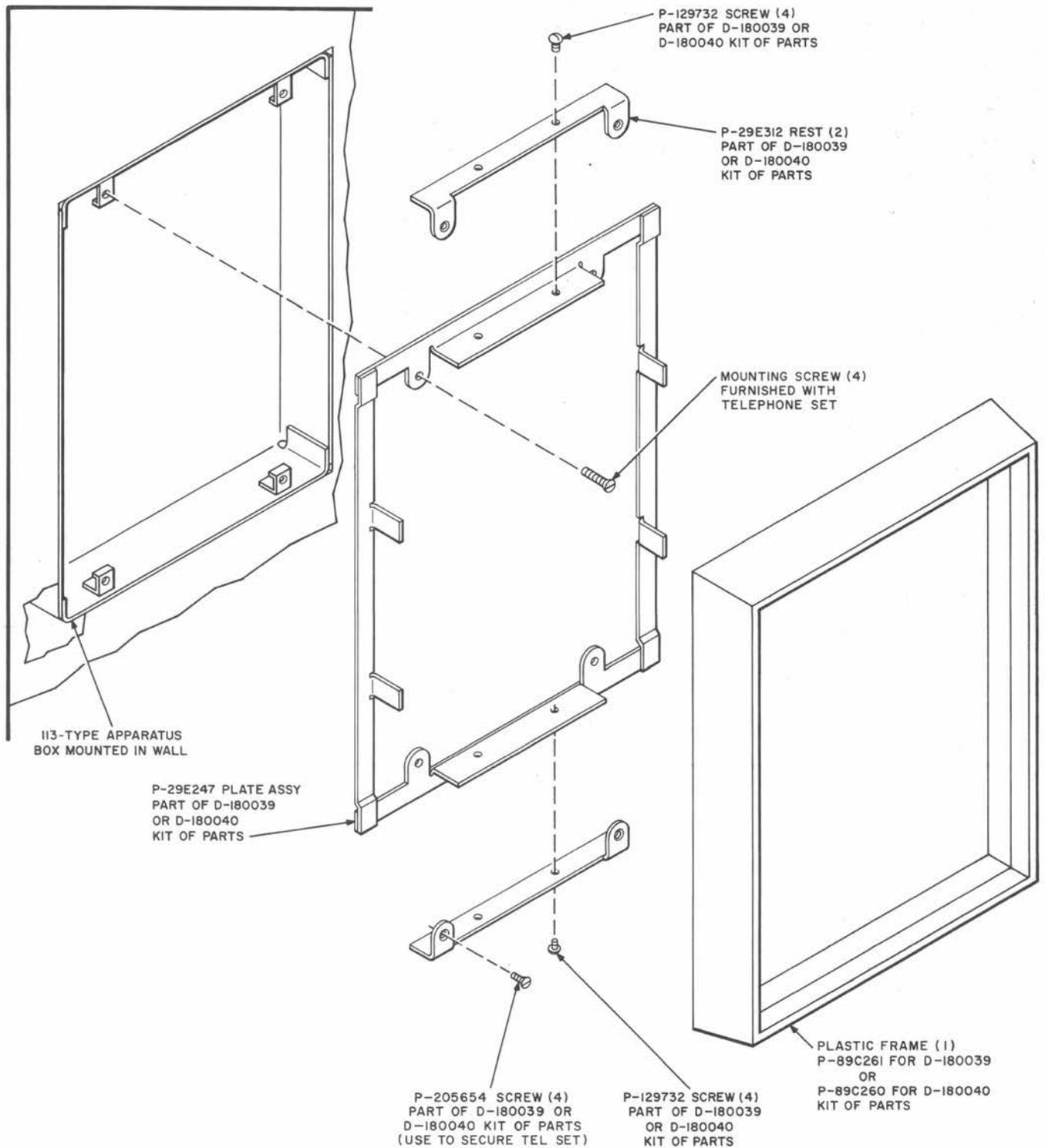


Fig. 4—D-180039 or D-180040 Kit of Parts

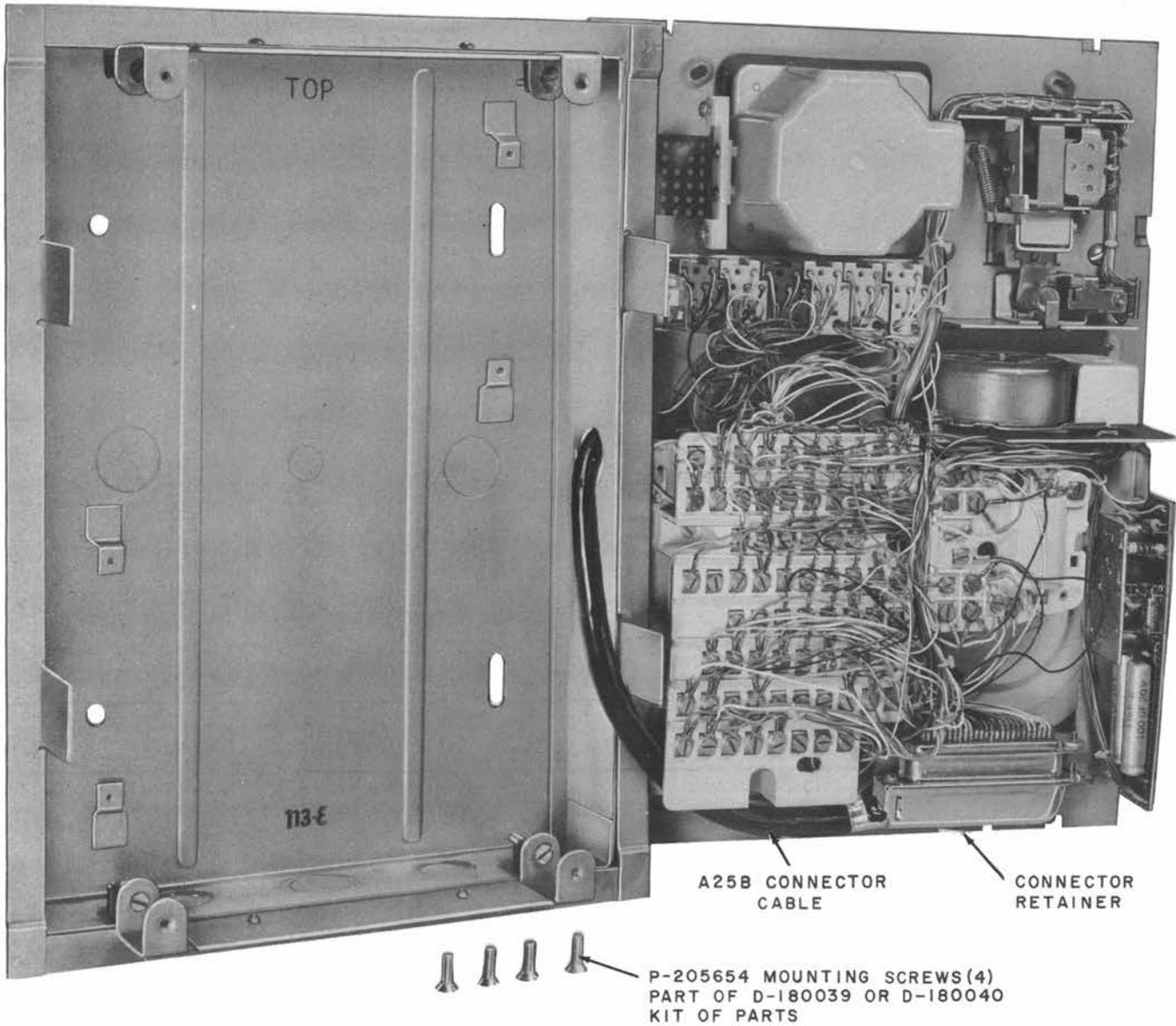
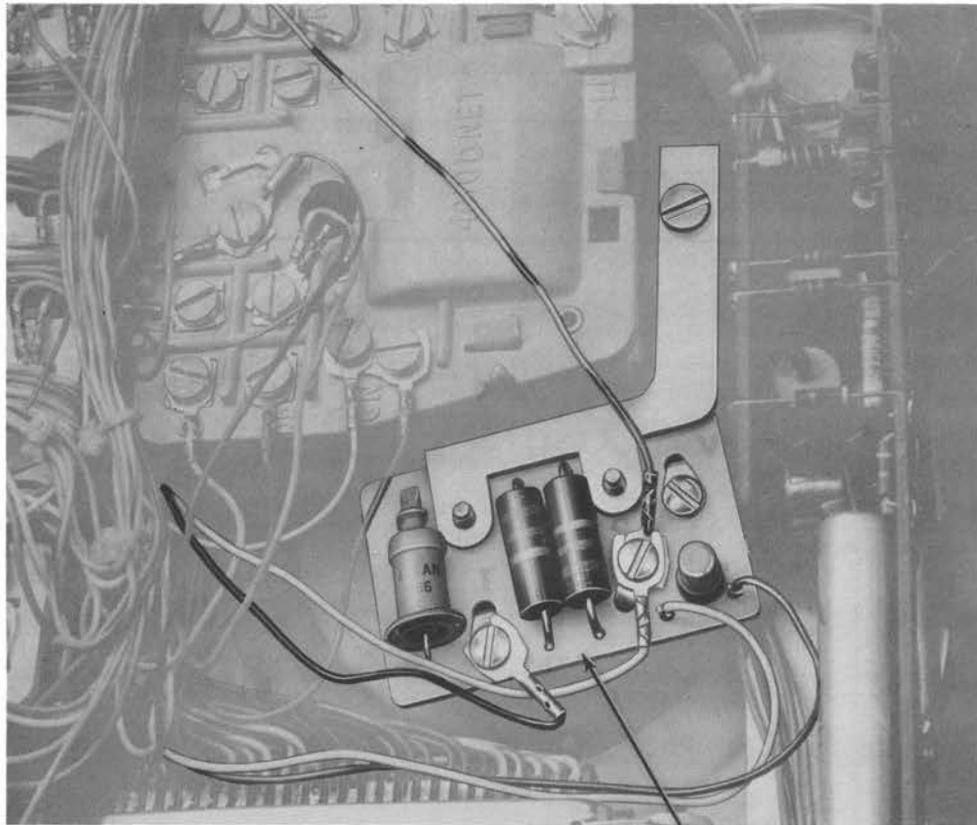


Fig. 5—Installation Detail Using A25B Connector Cable With 113-Type Apparatus Box

4.05 Replace the cord reel if the cord will not retract or if the cord is frayed, kinked, or noisy. Field maintenance of the cord reel, or replacement of the cord, is not recommended.

762A LOUDSPEAKER AND P-29E579 TRANSMITTER

4.06 These components are used in 3-type speakerphone system. Refer to appropriate connection and maintenance section in Division 512.



P-90D061
GUARD ASSEMBLY

Fig. 6—Installed P-90D061 Guard Assembly

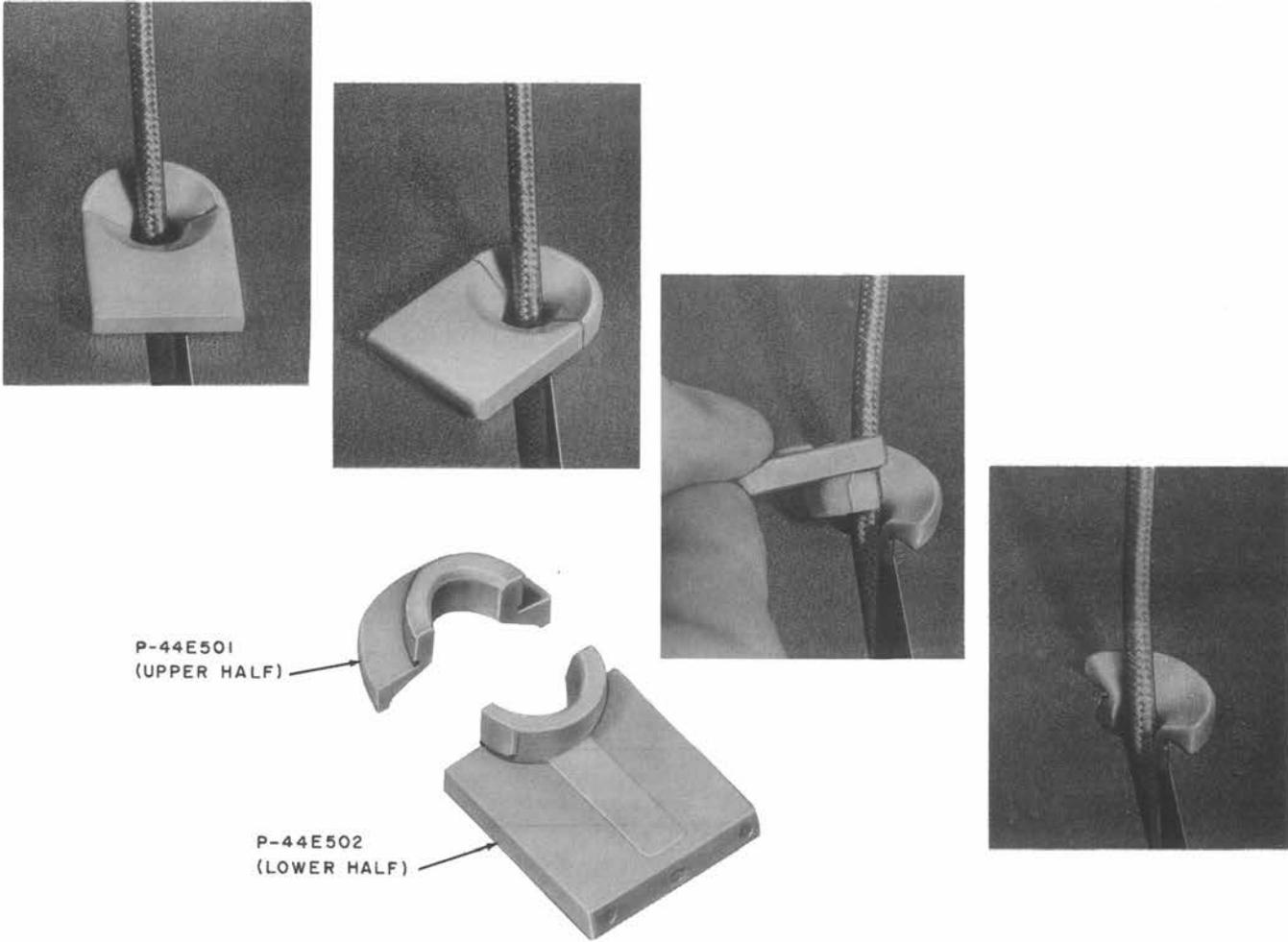


Fig. 7—Removal of Handset Cord Grommet