

FOR PORTABLE TELEPHONE SETS, INDOOR TYPE  
IDENTIFICATION, INSTALLATION, AND CONNECTIONS

1. GENERAL

(d) Color

1.03 Do not use hand telephone sets (those requiring a subscriber set) and telephone sets together in the same jack and plug system.

1.04 Mount jacks in a uniform manner so that when the plug is inserted, the set mounting cord enters the bottom of the plug.

TABLE A  
COLOR ORDERING GUIDE

JACK AND FACEPLATE	LIGHT OLIVE GRAY (-49)	IVORY (-50)	BROWN (-54)
391A	•	•	•
392A	•	•	
541A	•	•	•
547B	•*	•*	•*
548A	•	•	•
549A	•	•	
550A	•*	•*	•*
551A	•	•	
16A	•	•	•
16B	•	•	•
16D	•	•	•

**Ordering Guide**

Jack, 391A-(\* )

Jack, 392A-(\* )

Jack, 541A-(\* )

Jack, 547B-(\* )

Jack, 548A-(\* )

Jack, 549A-(\* )

Jack, 550A-(\* )

Jack, 551A-(\* )

Bracket, 43B

Bracket, 63A

Bracket, KS-19407, List 1

Faceplate, 16A-(\* )

Faceplate, 16B-(\* )

Faceplate, 16D-(\* )

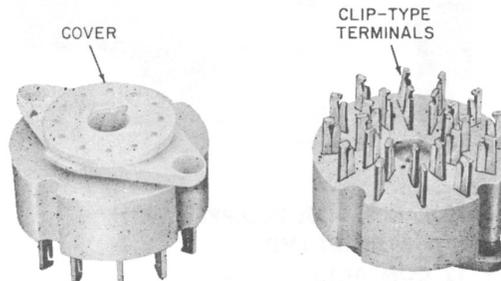
\*Add color suffix

P-88C949 Coverplate

P-88C950 Coverplate

P-88C954 Coverplate

\*Additional faceplates in colors corresponding to jack.



- 12 CONTACTS
- FLUSH MOUNTED USING 63A OR KS-19407, L1 BRACKET AND 16A FACEPLATE
- MATES WITH 504A PLUG

Fig. 5 — 541A Jack

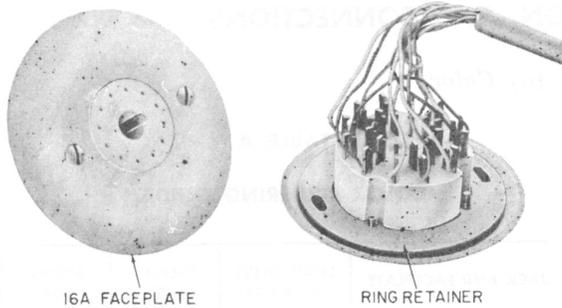
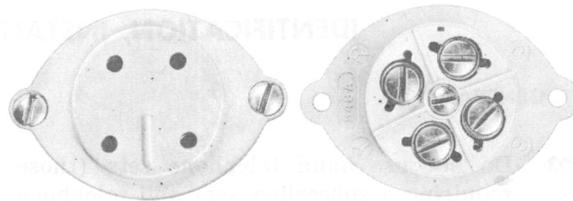


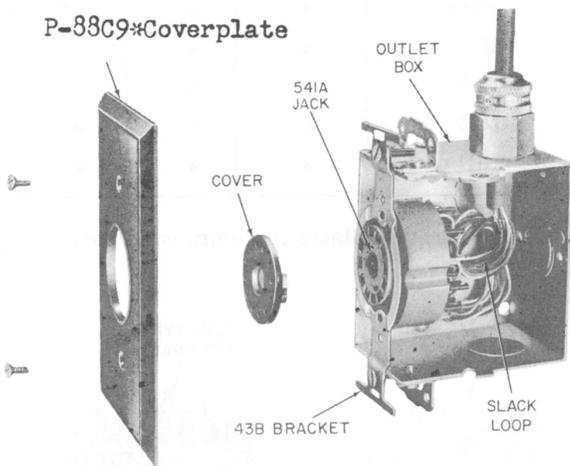
Fig. 7 — 541A Jack With Faceplate and Terminated 541A Jack, Using Retainer



- 4 CONTACTS
- FLUSH MOUNTED:  
 USING 63A OR KS-19407, L1 BRACKET  
 AND 16A FACEPLATE  
 OR  
 IN STANDARD ELECTRICAL OUTLET BOX  
 USING 43B BRACKET  
 OR  
 IN WOODWORK USING 1-1/4 INCH HOLE
- MATES WITH 283B AND 505A PLUGS
- MOUNTING SCREWS SUPPLIED
- REPLACES 493A JACK

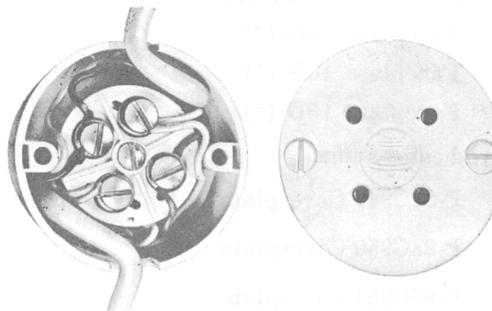
Fig. 9 — 548A Jack

P-88C9\*Coverplate



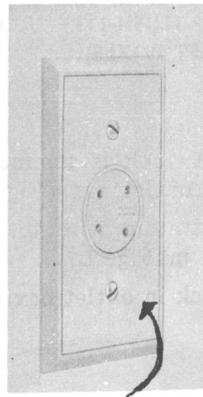
- REPLACES 547A EQUIPPED WITH 74A BRACKET (MD)
- 12 CONTACTS
- FLUSH WALL MOUNTED
- MATES WITH 504A PLUG
- MOUNTING SCREWS AND FACEPLATE SUPPLIED
- OPTIONAL COLOR FACEPLATES

Fig. 8 — 547B Jack Mounted in Standard Electrical Outlet Box



- 4 CONTACTS, DOUBLE TERMINAL
- NONFLUSH BASEBOARD MOUNTED
- MATES WITH 283B AND 505A PLUGS
- MOUNTING SCREWS SUPPLIED

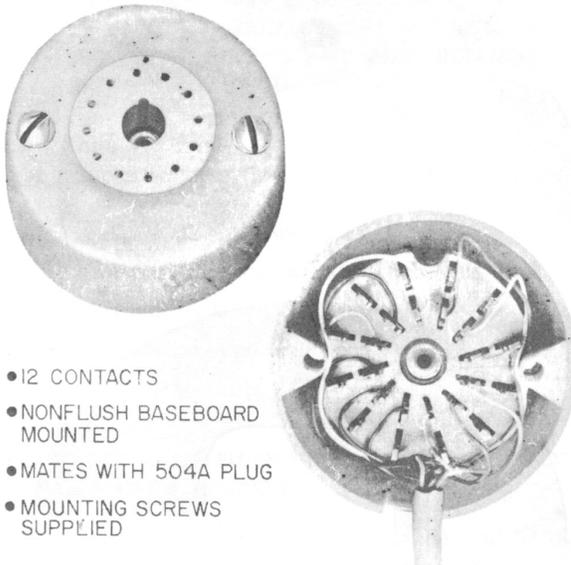
Fig. 10 — 549A Jack



P-88C9\*Coverplate

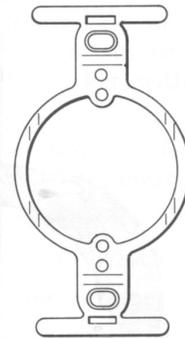
- 4 CONTACTS
- COMPONENTS:
  - 548A JACK
  - 43B BRACKET
  - FACEPLATE
- EARLY PRODUCTION SUPPLIED WITH 43A BRACKET (MD)
- MATES WITH 283B OR 505A PLUG
- 6 MOUNTING SCREWS SUPPLIED

Fig. 11 — 550A Jack, Mounted



- 12 CONTACTS
- NONFLUSH BASEBOARD MOUNTED
- MATES WITH 504A PLUG
- MOUNTING SCREWS SUPPLIED

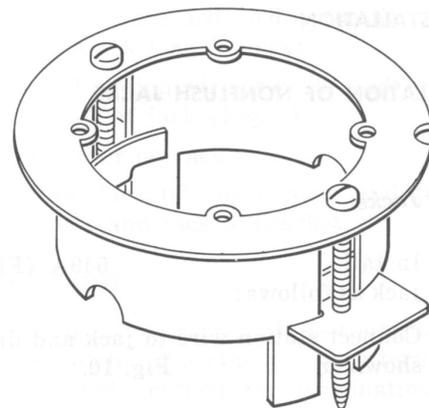
Fig. 12 — 551A Jack



43B

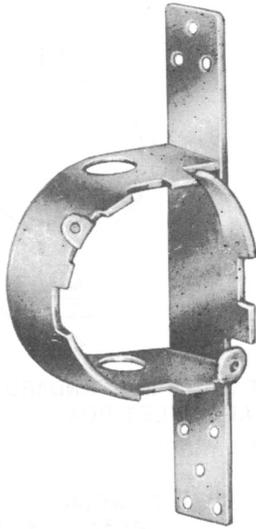
- TO MOUNT JACKS IN STANDARD ELECTRICAL OUTLET BOX
- BREAK-OFF WINGS
  - TO MOUNT
    - 493A JACK (MD)
    - 541A JACK
    - 548A JACK
  - REPLACES
    - 43A BRACKET (MD)
    - 74A BRACKET (MD)
  - COMPONENT OF
    - 547B JACK
    - 550A JACK (LATEST)

Fig. 13 — 43-Type Bracket



- USE FOR EXISTING WALLS
- WALL HOLE 2-1/4 IN. DIA
- WALL THICKNESS LIMIT 1-1/4 IN.

Fig. 16 — KS-19407, List 1 Bracket



- USE TO PREWIRE BUILDING DURING CONSTRUCTION
- MOUNTED TO STUDDING
- USE WITH 16-TYPE FACEPLATE
- FOR MOUNTING
  - 493A JACK (MD)
  - 541A JACK
  - 548A JACK

Fig. 14 — 63A Bracket

**3. INSTALLATION**

**INSTALLATION OF NONFLUSH JACKS**

**549A Jacks**

- 3.02** Install 549A (Fig. 10) jack as follows:
- (1) Connect station wire to jack and dress as shown in Fig. 10.

**551A Jack**

- 3.03** Install 551A jacks as follows:
- (1) Connect station wire or cable conductors to clip terminals of jack as shown in Fig. 12. Conductors may be loop-through terminated.

**INSTALLATION OF FLUSH-TYPE JACKS IN STANDARD ELECTRICAL OUTLET BOXES**

**391A Jack**

- 3.04** The 391A jack is mounted in standard electrical outlet box (Fig. 1) as follows:
- (1) Connect station wire to jack and dress as shown in Fig. 1.
  - (2) Mount jack in outlet box using furnished screws.

**547B Jack**

- 3.06** Install as follows:
- (1) Attach 541A jack on 43B bracket.
  - (2) Connect station wire or cable to jack.
  - (3) Dress wire as shown in Fig. 8 (leave slack loop).
  - (4) Mount jack and bracket assembly in outlet box.
  - (5) Install faceplate. (The cover must be on jack before placing faceplate.)

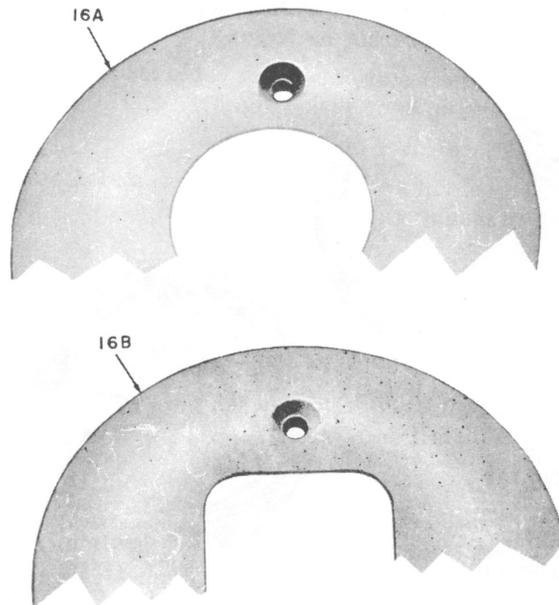


Fig. 17- 16 Type Faceplate

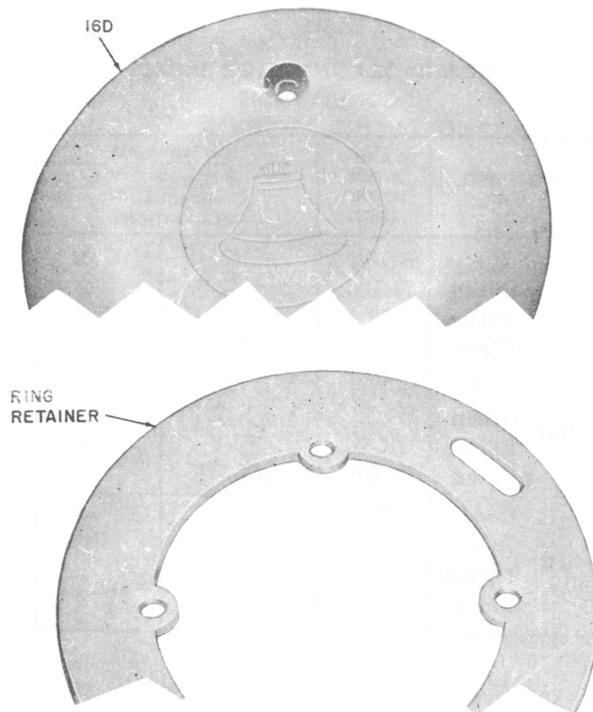


Fig. 17- 16 Type Faceplate  
(Continued)

- MOUNTS TO  
63A BRACKET USING RING RETAINER  
KS-19407, L1 BRACKET (RING NOT REQUIRED)
- MOUNTING SCREWS AND RING RETAINER  
SUPPLIED

#### 548A Jack

3.07 Install as follows:

- (1) Connect station wire or cable to jack.
- (2) Attach jack to 43-type bracket.
- (3) Attach 43-type bracket to outlet box.
- (4) Install suitable faceplate.

#### INSTALLATION OF FLUSH-TYPE JACKS IN 63A OR KS-19407, LIST 1 BRACKET

3.09 The 493A (MD), 541A (Fig. 5) and 548A (Fig. 9) jacks can be mounted on a 63A or KS-19407, List 1 bracket (Fig. 16) with a 16-type faceplate (Fig. 17).

3.10 When mounting jacks on the 63A bracket, the 16-type faceplate ring retainer is required. The 16-type faceplate can be mounted to the KS-19407, List 1 bracket without ring retainer.

- (a) The 493A (MD) or 548A jack is installed on the 63A bracket as follows:
  - (1) Mount the ring retainer on bracket.
  - (2) Connect station wire to jack.
  - (3) Mount jack on ring retainer.
  - (4) Mount faceplate on ring retainer.
- (b) The 493A (MD) or 548A jack is installed on the KS-19407, List 1 bracket as follows:
  - (1) Connect station wire to jack.
  - (2) Mount jack on bracket.
  - (3) Mount faceplate to bracket.

#### 541A Jack

3.11 The 541 jack is installed in the 63A bracket as follows:

- (1) Mount ring retainer on 63A bracket.
- (2) Connect station wire or cable leads to clip terminals of jack (Fig. 5).
- (3) Mount jack on ring retainer (Fig. 7).
- (4) Place cover on jack.
- (5) Mount faceplate on retainer ring.

3.12 The 541 jack is installed in the KS-19407, List 1 bracket as follows:

- (1) Connect station wire or cable leads to clip terminals of jack (Fig. 5).
- (2) Place cover on jack.
- (3) Position faceplate over cover and fasten faceplate and jack to bracket.

#### 4. CONNECTIONS

4.01 Only one conductor shall be connected to a single clip of a clip-type jack terminal. The loop-through method for terminating IW cable may be used on jacks which have dual clip-type terminals.

## 4-CONDUCTOR JACKS

4.02 Connect conductors as indicated by the color designators stamped next to the terminals. The red conductor is terminated at the R terminal, etc.

## 8- AND 12-CONDUCTOR JACKS

4.03 Table B shows the connections for 8- and 12-conductor jacks.

4.04 Wiring variations (eg, class-of-service, etc, normally made in the connecting block) **should not be made** in the jacks; any variations should be made in the plugs.

**Caution:** Test each jack location for correct continuity.

TABLE B  
8- AND 12-CONDUCTOR JACKS  
CONNECTIONS

INSIDE WIRE QUAD	D AND E INSIDE WIRING CABLE	NO. TERMINALS		
		8	12	
		TERMINAL DESIGNATIONS		
1st	Red	BL-W	R	1
	Green	W-BL	G	2
	Yellow	O-W	Y	3
	Black	W-O	BK	4
2nd	Red	G-W	W	5
	Green	W-G	R-R	6
	Yellow	BR-W	Y-Y	7
	Black	W-BR	BK-BK	8
3rd	Red	S-W		9
	Green	W-S		10
	Yellow	BL-R		11
	Black	R-BL		12