

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.

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

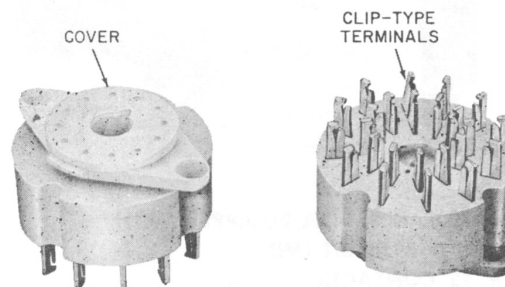
P-88C950 Coverplate

P-88C954 Coverplate

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	•	•	•

*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

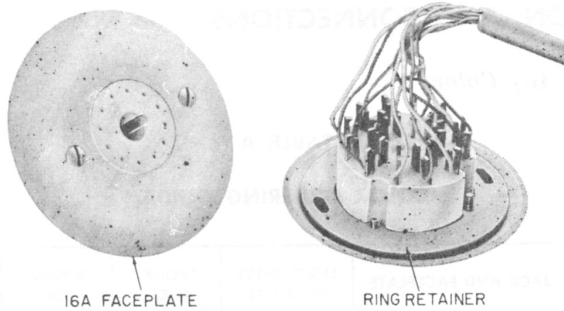
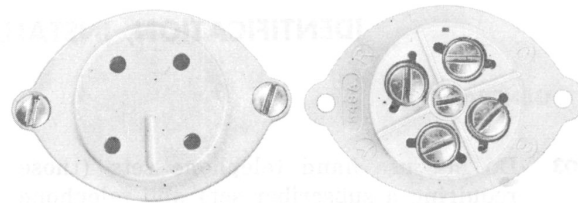
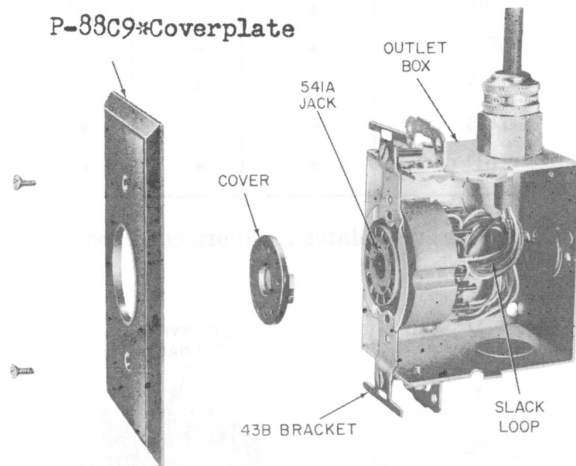


Fig. 7 — 541A Jack With Faceplate and Terminated 541A Jack, Using Retainer



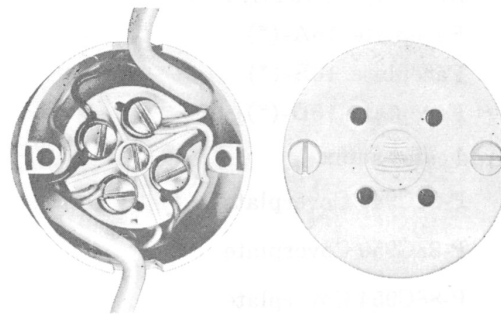
- 4 CONTACTS
- FLUSH MOUNTED:
USING 63A OR KS-19407, L1 BRACKET
AND 16A FACEPLATE
OR
IN STANDARD ELECTRICAL OUTLET BOX
USING 43B BRACKET
OR
IN WOODWORK USING 1-1/4 INCH HOLE
- MATES WITH 283B AND 505A PLUGS
- MOUNTING SCREWS SUPPLIED
- REPLACES 493A JACK

Fig. 9 — 548A Jack



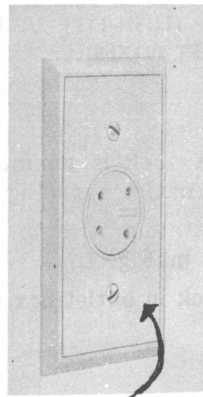
- REPLACES 547A EQUIPPED WITH 74A BRACKET (MD)
- 12 CONTACTS
- FLUSH WALL MOUNTED
- MATES WITH 504A PLUG
- MOUNTING SCREWS AND FACEPLATE SUPPLIED
- OPTIONAL COLOR FACEPLATES

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

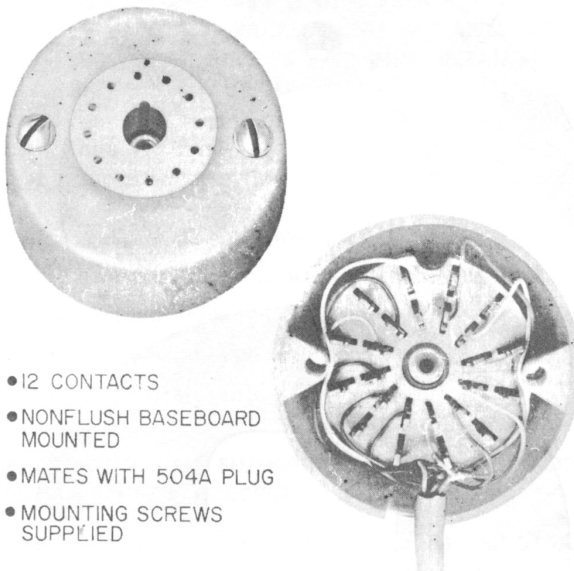
Fig. 10 — 549A Jack



P-88C9*Coverplate

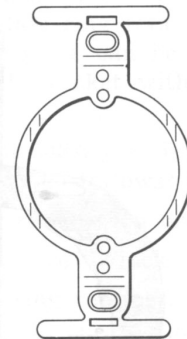
- 4 CONTACTS
- COMPONENTS:
 - 548A JACK
 - 43B BRACKET
 - FACEPLATE
- EARLY PRODUCTION SUPPLIED WITH 43A BRACKET (MD)
- MATES WITH 283B OR 505A PLUG
- 6 MOUNTING SCREWS SUPPLIED

Fig. 11 — 550A Jack, Mounted



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

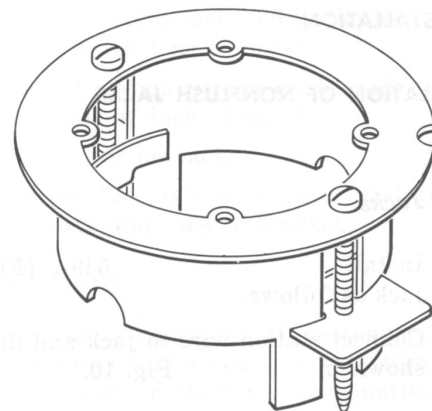
Fig. 12 — 551A Jack



43B

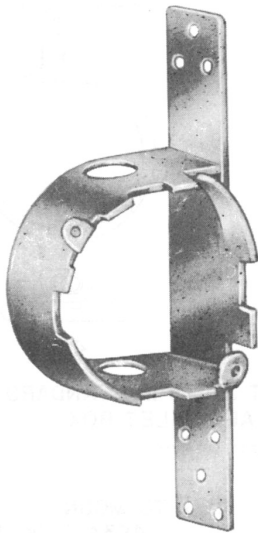
- TO MOUNT JACKS IN STANDARD ELECTRICAL OUTLET BOX
- BREAK-OFF WINGS
- TO MOUNT
 - 493A JACK (MD)
 - 541A JACK
 - 548A JACK
- REPLACES
 - 43A BRACKET (MD)
 - 74A BRACKET (MD)
- COMPONENT OF
 - 547B JACK
 - 550A JACK (LATEST)

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.)

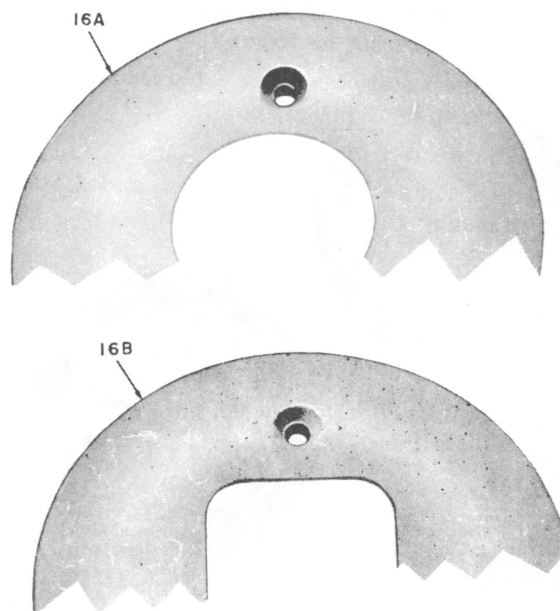


Fig. 17- 16 Type Faceplate

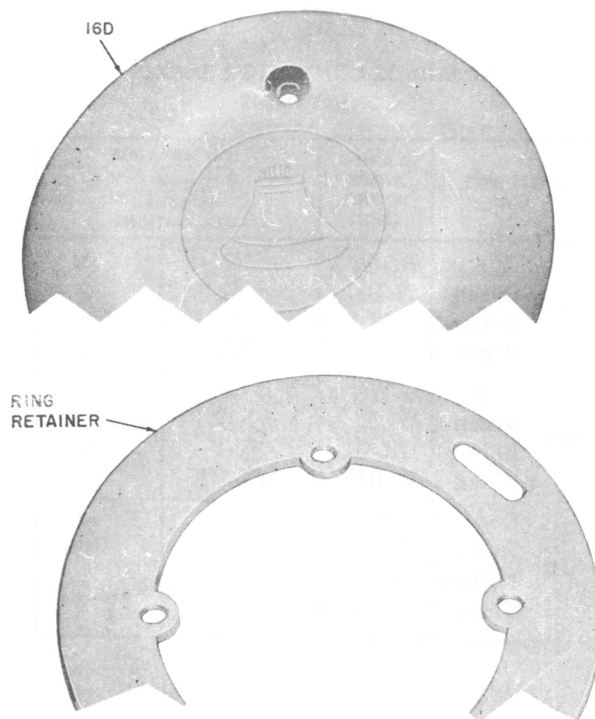


Fig. 17- 16 Type Faceplate
(Continued)

- 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	R	1
	Green	G	2
	Yellow	Y	3
	Black	BK	4
2nd	Red	W	5
	Green	R-R	6
	Yellow	Y-Y	7
	Black	BK-BK	8
3rd	Red		9
	Green		10
	Yellow		11
	Black		12