

## JACKS AND JACK MOUNTINGS FOR PORTABLE TELEPHONE SETS, INDOOR TYPE IDENTIFICATION, INSTALLATION, AND CONNECTIONS

### 1. GENERAL

1.01 This section is issued to:

- Rearrange information formerly found in Section 461-630-100
- Show manufacture discontinued (MD) apparatus
- Revise figures of 548A and 549A jacks

1.02 Some areas require at least one telephone set or ringer connected permanently to the line. Check local instructions governing line ringers.

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 plugs can be inserted in the same way throughout the customer's premises.

1.05 Portable telephone sets should be kept indoors when not in use. Advise the customer of the importance of protecting a telephone set from inclement weather in order to maintain good telephone service.

### 2. IDENTIFICATION

#### (a) *Illustration Index*

391A Jack	Fig. 1
392A Jack	Fig. 2
404B Jack (MD)	Fig. 3
493A Jack (MD)	Fig. 4
497A Jack (MD)	Fig. 4
541A Jack	Fig. 5, 6 and 7

547B Jack	Fig. 8
548A Jack	Fig. 9
549A Jack	Fig. 10
550A Jack	Fig. 11
551A Jack	Fig. 12
43-Type Brackets	Fig. 13
63A Bracket	Fig. 14
74A Bracket (MD)	Fig. 15
Bracket, KS-19407, List 1	Fig. 16
16-Type Faceplates	Fig. 17

#### (b) *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

#### (c) *Replaceable Optional Components*

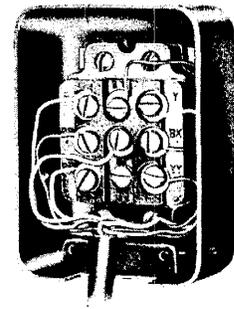
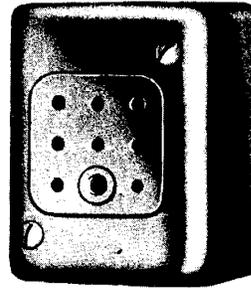
P-88C949 Coverplate
P-88C950 Coverplate
P-88C954 Coverplate

(d) Color

**TABLE A**  
**COLOR ORDERING GUIDE**

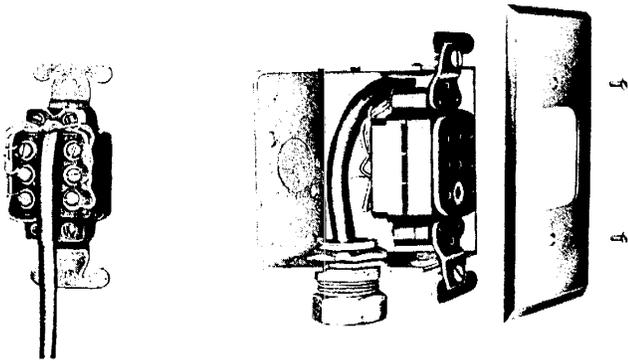
JACK AND FACEPLATE	LIGHT OLIVE GRAY (-49)	IVORY (-50)	BROWN (-54)
391A	•	•	•
392A	•	•	•
541A	•	•	•
547B	•*	•*	•*
548A	•	•	•
549A	•	•	•
550A	•*	•*	•*
551A	•	•	•
16A	•	•	•
16B	•	•	•
16D	•	•	•

\*Additional faceplates in colors corresponding to jack.



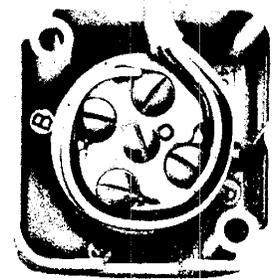
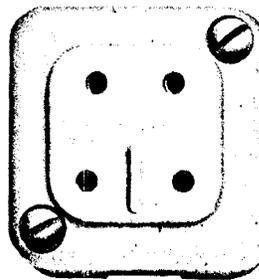
- 8 CONTACTS
- NONFLUSH BASEBOARD MOUNTED
- MATES WITH 274A PLUG
- METAL COVER

Fig. 2 — 392A Jack



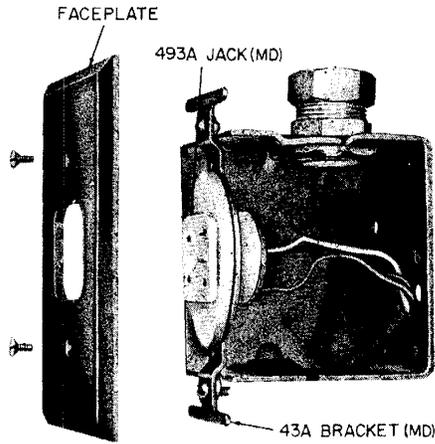
- 8 CONTACTS
- FLUSH WALL MOUNTED
- MATES WITH 274A PLUG
- MOUNTING HARDWARE AND FACEPLATE SUPPLIED

Fig. 1 — 391A Jack Unmounted and 391A Jack Mounted in Standard Electrical Outlet Box



- REPLACED BY 549A JACK
- 4 CONTACTS
- NONFLUSH MOUNTED
- MATES WITH 283B AND 505A PLUGS
- MOUNTING HARDWARE SUPPLIED

Fig. 3 — 404B Jack (MD)



- REPLACED BY 550A JACK
- 4 CONTACTS
- FLUSH WALL MOUNTED
- MATES WITH 283B AND 505A PLUGS
- MOUNTING HARDWARE SUPPLIED

Fig. 4 — 497A Jack (MD) Mounted in Standard Electrical Outlet Box

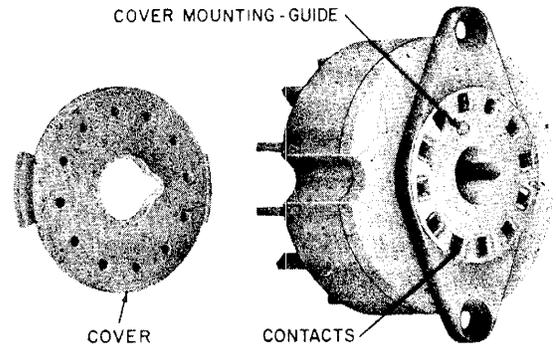
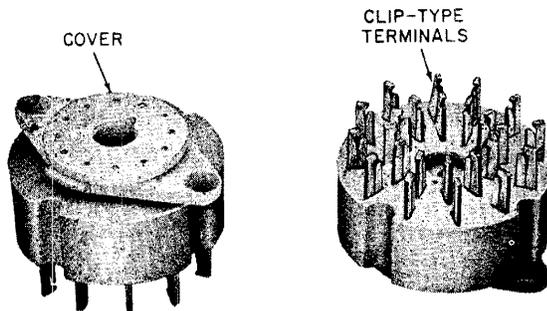


Fig. 6 — 541A Jack, Cover Removed



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

Fig. 5 — 541A Jack

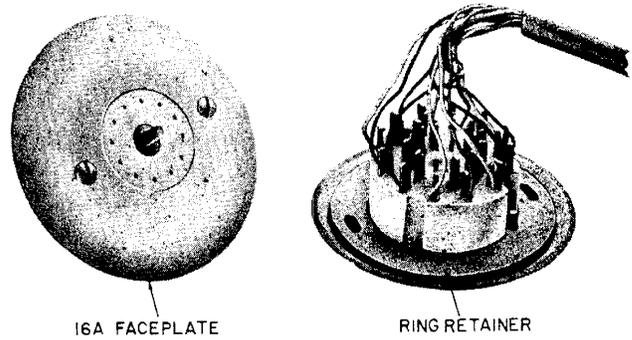
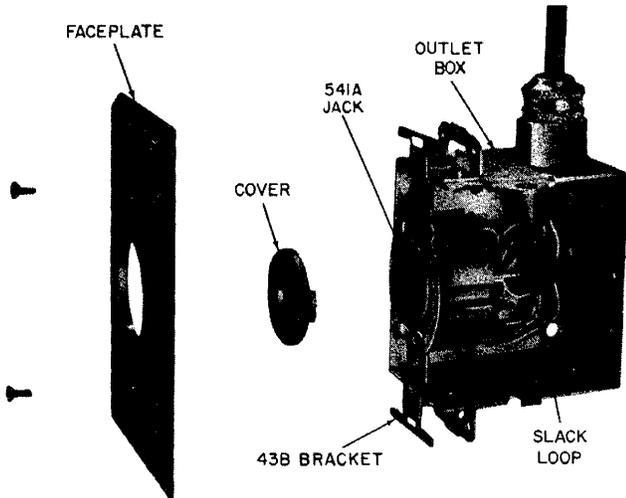


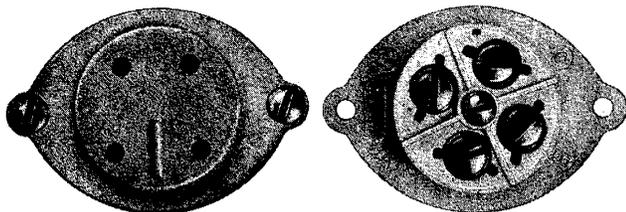
Fig. 7 — 541A Jack With Faceplate and Terminated 541A Jack, Using Retainer

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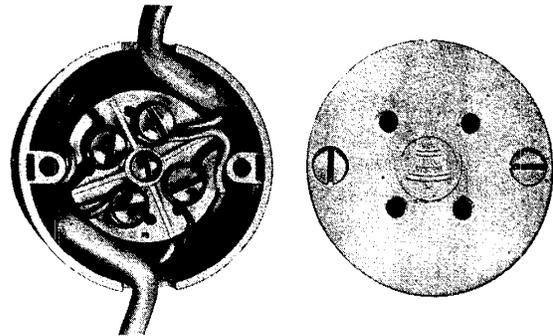
- REPLACES 547A EQUIPPED WITH 74A BRACKET (MD)
- 12 CONTACTS
- FLUSH WALL MOUNTED
- MATES WITH 504A PLUG
- MOUNTING SCREWS AND FACEPLATE SUPPLIED
- OPTIONAL COLOR FACEPLATES

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



- 4 CONTACTS
- 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**



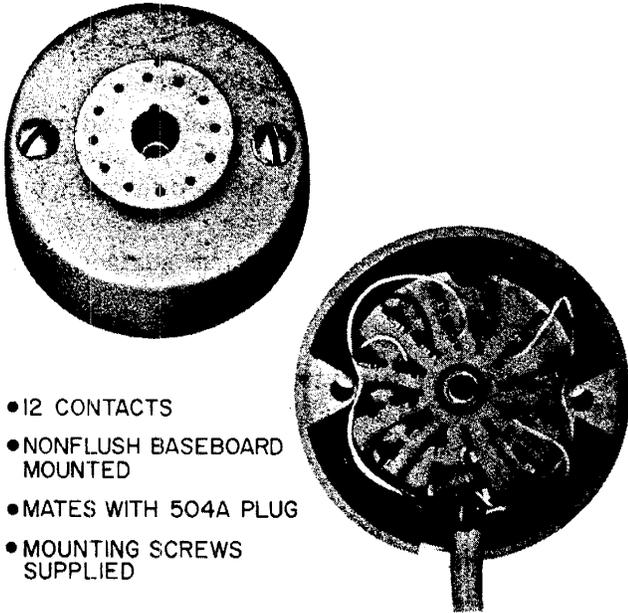
- 4 CONTACTS, DOUBLE TERMINAL
- NONFLUSH BASEBOARD MOUNTED
- MATES WITH 283B AND 505A PLUGS
- MOUNTING SCREWS SUPPLIED

**Fig. 10 — 549A Jack**



- 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**



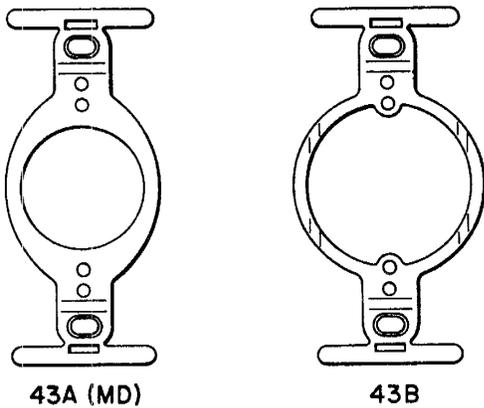
- 12 CONTACTS
- NONFLUSH BASEBOARD MOUNTED
- MATES WITH 504A PLUG
- MOUNTING SCREWS SUPPLIED

Fig. 12 — 551A Jack



- 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

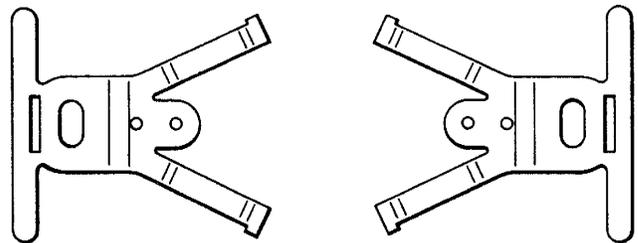


- TO MOUNT JACKS IN STANDARD ELECTRICAL OUTLET BOX
- BREAK-OFF WINGS

- REPLACED BY 43B BRACKET
- TO MOUNT 493A JACK (MD) 548A JACK
- COMPONENT OF 497A JACK (MD) 550A JACK (OLD)

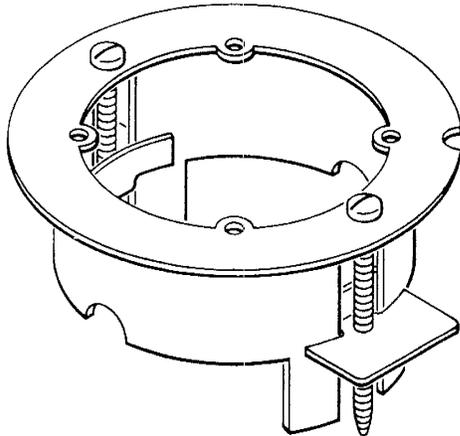
- TO MOUNT 493A JACK (MD) 541A JACK 548A JACK
- REPLACES 43A BRACKET (MD) 74A BRACKET (MD)
- COMPONENT OF 547B JACK 550A JACK (LATEST)

Fig. 13 — 43-Type Bracket



- REPLACED BY 43B BRACKET
- COMPONENT OF 547A JACK (MD)

Fig. 15 — 74A Bracket (MD)



- 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

### 3. INSTALLATION

#### INSTALLATION OF NONFLUSH JACKS

##### 392A Jack

**3.01** Install 392A jack (Fig. 2) as follows:

- (1) Connect cable conductors to jack and dress as shown in Fig. 2.
- (2) Fasten base assembly to mounting surface with 3/4-inch No. 8 RH blued wood screws.
- (3) Fasten cover over base assembly with furnished machine screws.

##### 404B (MD) and 549A Jacks

**3.02** Install 404B (Fig. 3 and 549A (Fig. 10) jack as follows:

- (1) Connect station wire to jack and dress as shown in Fig. 3 and Fig. 10.
- (2) Fasten jack to mounting surface with furnished screws.

##### 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.
- (2) Fasten jack to mounting surface with furnished screws.

#### 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.
- (3) Fasten faceplate on jack using furnished screws.

##### 497A Jack (MD)

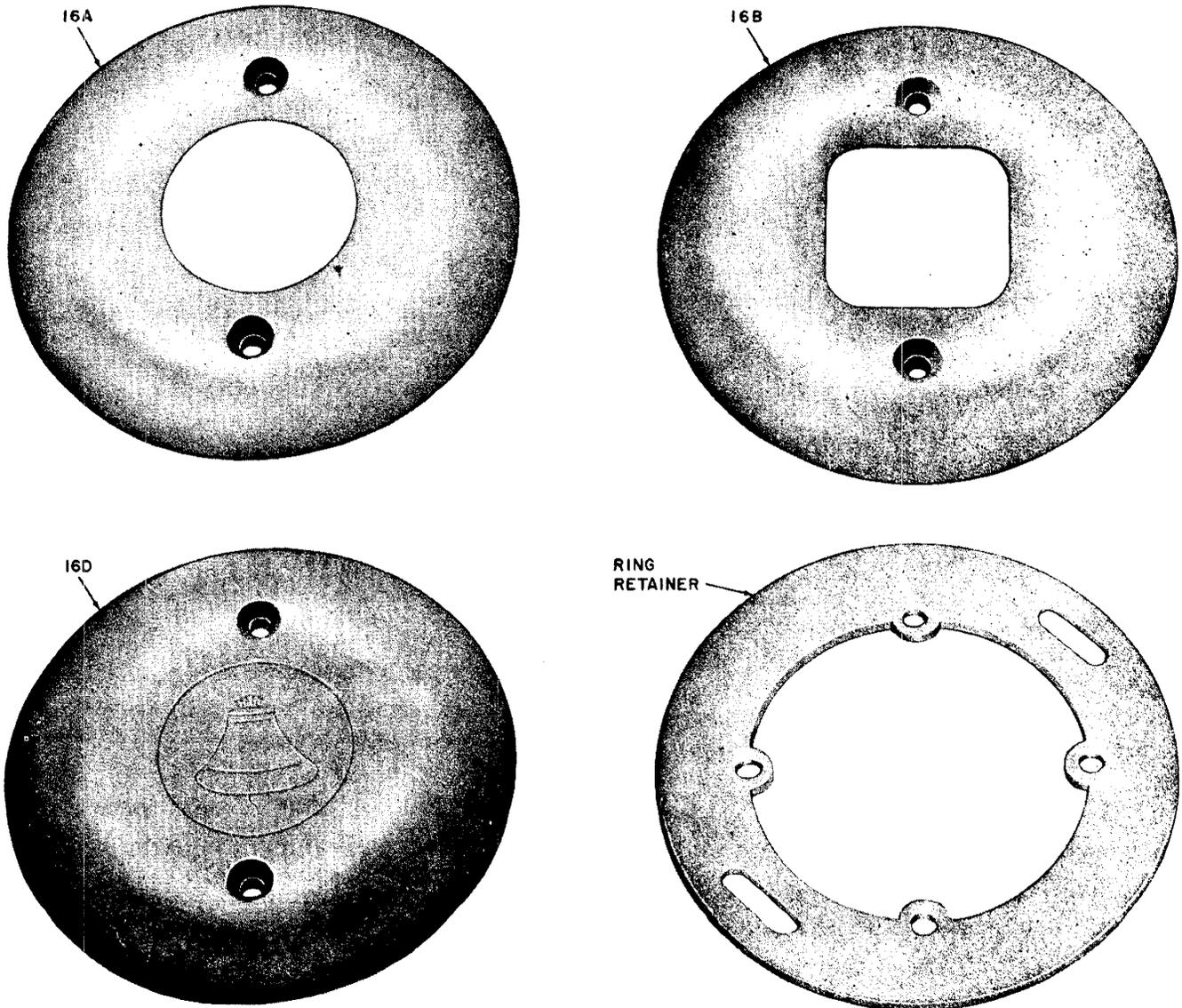
**3.05** The 497A jack (MD) is mounted in standard electrical outlet box (Fig. 4) as follows:

- (1) Mount 493A jack on 43A bracket.
- (2) Connect station wire to jack.
- (3) Dress wire as shown in Fig. 4.
- (4) Mount jack equipped bracket in outlet box.
- (5) Fasten faceplate with furnished screws.

##### 547A (MD) or 547B Jack

**3.06** Install as follows:

- (1) Attach 541A jack on 74A bracket (Fig. 8) or 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.)



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

Fig. 17 — 16-Type Faceplate

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**493A (MD) or 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.

**550A Jack**

**3.08** The 550A jack (Fig. 11) is assembled in the same manner as the 497A (MD) jack (3.05). It consists of a 548A jack (Fig. 9), 43A or 43B bracket, faceplate, and mounting screws.

**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). Use the same color faceplate as the jack.

**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.

**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