WIRING DESKS AND TABLES

1. GENERAL

1.01 This section covers the placing of station wire, inside wiring cable, mounting cords, and connector cable on desks and tables.

1.02 This section is reissued to:

- Add information on C cord clip

- Show use of B cord clip as strain relief

- Remove 2857T service fitting which is replaced by KS-20458-type covers

- Add KS-20458, Lists 16, 17, and 18.

2. WIRING TO DESKS AND TABLES

Station Tubing

2.01 When a desk or table is located near a wall, station wire or inside wiring cable may be extended by using C-type station tubing (Fig. 1) or a standard mounting cord. ◆Modular cords may require taping or the use of other fasteners shown in this section—they cannot be run through station tubing because of the modular jacks.◀

2.02 Station tubing should be used where the following are anticipated or seem probable:

- Frequent mopping or cleaning

- Movement of desk or table

- Mechanical damage to wiring

Note: Exercise care when placing station wire or inside wiring cable, mounting cords, and station tubing on the customer premises so as not to create a safety hazard. Advise customer to contact the Telephone Company when moves could possibly create a safety hazard.
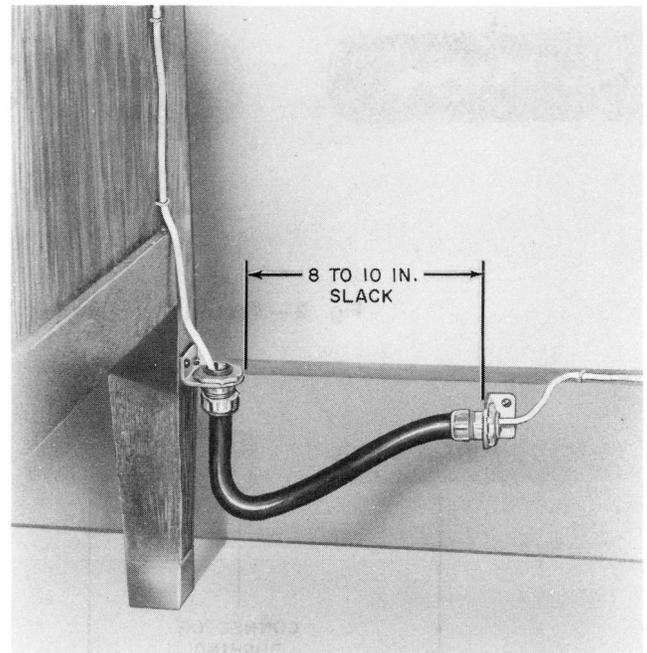

Fig. 1—Wiring to Desk-Station Tubing

2.03 Methods of assembly and uses of station tubing and Wiremold assembly are shown in Fig. 2, 3, 4, and 5.

2.04 Methods of wiring to desks and tables when no station tubing is used as shown in Fig. 6.

3. WIRING THE INSIDE OF DESKS AND TABLES

3.01 Many desk manufacturers provide facilities which will permit placing wiring so it may be concealed as shown in Fig. 7 and 8.

3.02 Always use the wiring and apparatus mounting brackets provided by the manufacturer if practical. In cases where it is impractical, inform the customer and obtain permission before drilling holes to mount apparatus on the sides of desks and tables.

TUBING   CONNECTOR BUSHING   CONNECTOR BODY   BRACKET   NUT

STATION TUBING FITTING
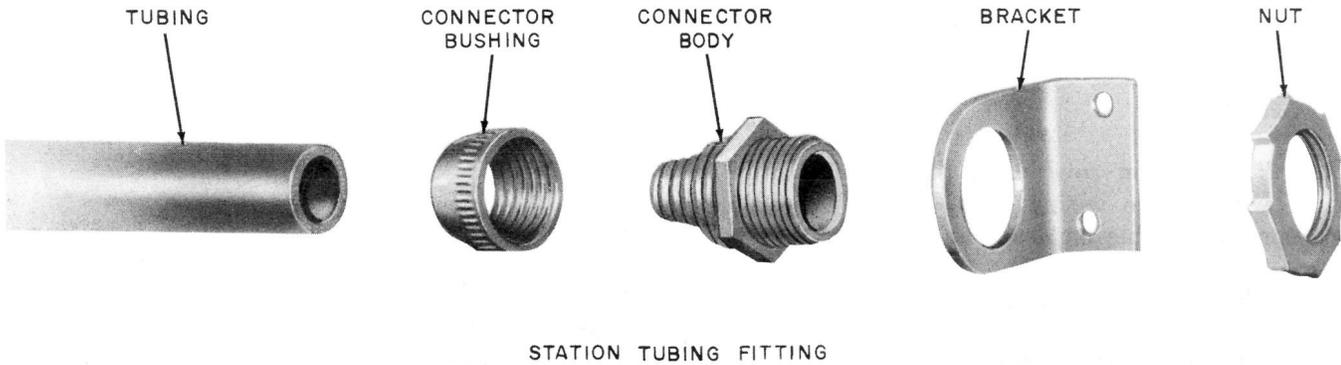
Fig. 2—Assembly of Station Tubing and Fittings to Brackets

CONNECTOR BUSHING   WASHER

TUBING   CONNECTOR BODY   NUT

ASSEMBLED STANDPIPE
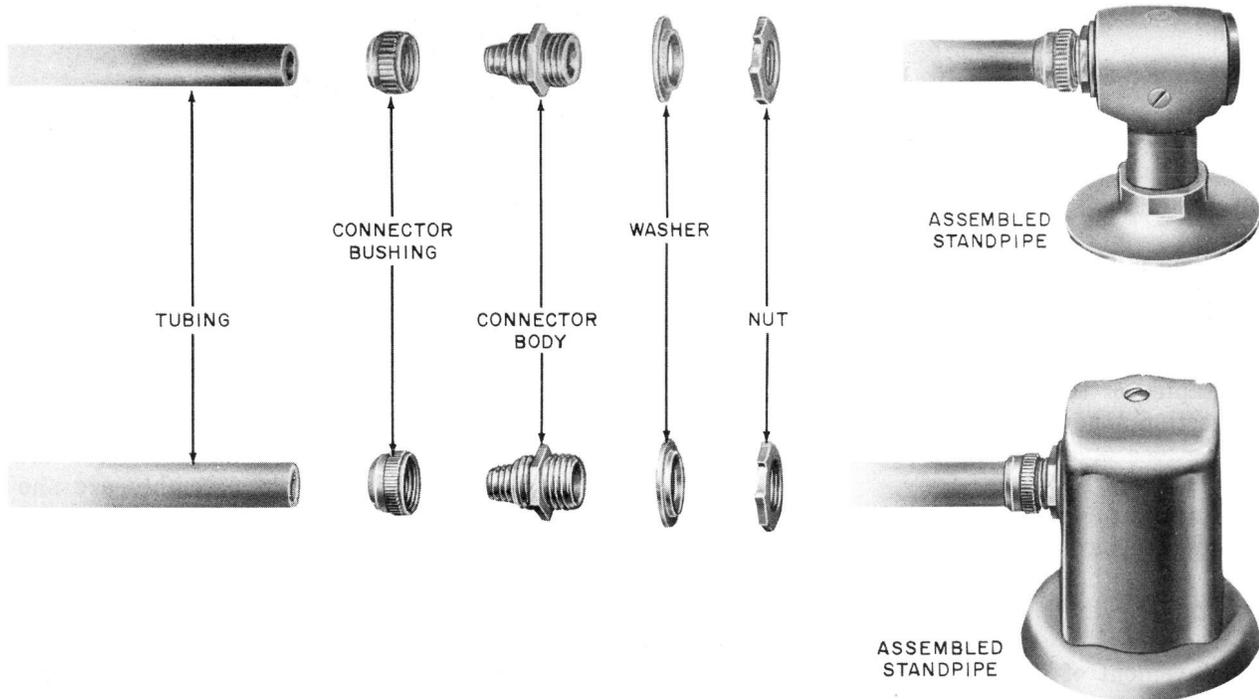
ASSEMBLED STANDPIPE

Fig. 3—Assembly of Station Tubing Fittings to Standpipes That Are Part of a Permanent Underfloor Duct or Conduit System

3.03 When placing apparatus such as covers, cord clips, etc, on the customer furniture, match the color of the customer furniture and decor as closely as possible, especially when it is impractical to conceal the wiring arrangement.

3.04 Wiring of a desk having no facilities for concealed wire and cable is shown in Fig. 9.

3.05 Proper selection of wire and spacing of fasteners are necessary for good appearance.

Fig. 4—Use of Station Tubing and 750-Type Service Fitting—No Underfloor Duct or Conduit System
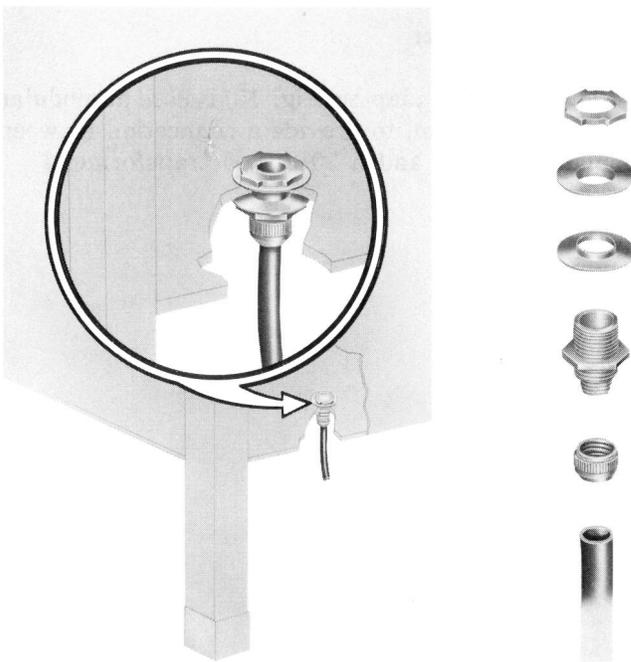
Fig. 5—Assembly of Station Tubing to Dust Pan of Metal Desk

The spacing of fasteners on desks and tables should be 7 to 12 inches on vertical and horizontal runs, and 1-1/2 inches from corners when making turns.

4. ▶MISCELLANEOUS HARDWARE USED ON DESKS AND TABLES◀

A. KS-20458-Type Covers

4.01 The KS-20458-type covers are used primarily to provide protection and support for the cable connectors of multibutton telephone sets and the key telephone system cable runs. They are intended to be mounted with screws, magnets, adhesive backings, or brackets.

4.02 The Lists 1, 2, and 3 covers will accommodate cable equipped with two or three mated connectors. The Lists 6, 7, and 8 will accommodate cable equipped with four or five mated connectors. The Lists 12, 13, and 14 covers are for single-mated connectors. ▶The Lists 16, 17, and 18 covers accommodate six mated connectors.◀

4.03 A typical installation of the single connector cover is shown in Fig. 10.

4.04 Refer to Section 461-200-103 for detailed description, ordering, and installation information for these covers.

B. B Cord Clip

4.05 These are molded plastic clips with adhesive backings used to fasten mounting cords of telephone sets to walls and desks. They are available in three sizes as shown in Fig. 11 and 12. They are available in the following colors:

   –3 black

   –51 green

   –58 white

   –60 beige

   –61 gray

They are packed 10 each of the same size and color to a package.

FRICTION TAPE

2-1/2 IN. APPROX
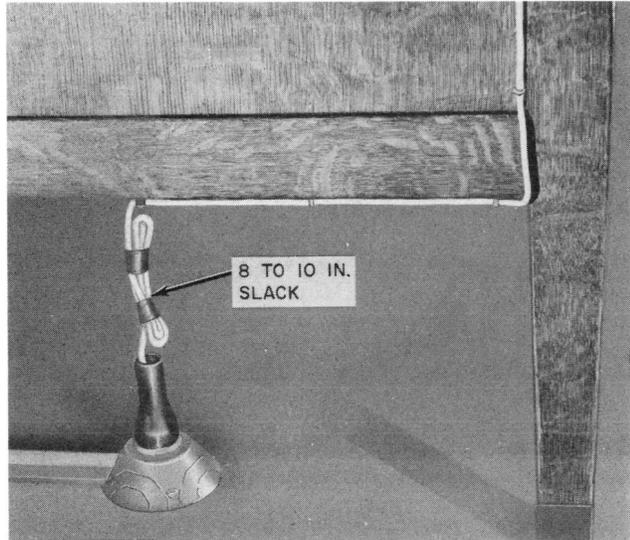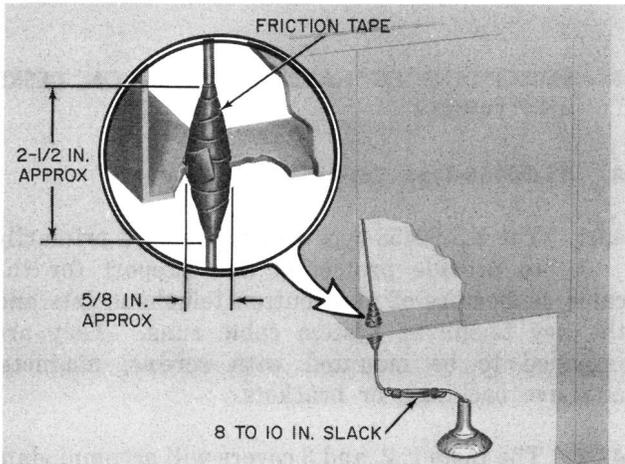
5/8 IN. APPROX

8 TO 10 IN. SLACK

8 TO 10 IN. SLACK

Fig. 6—Wiring to Desks and Tables—No Station Tubing Used

4.06 ◆The B cord clip can also be used as a strain relief on plug-in station transformers as shown in Fig. 13.

C. Cord Clip

4.07 The C cord clip (Fig. 14) is a different design than the B cord clip but performs the same function. The C cord clip is available in five sizes to accommodate various diameters of cords, wire, or cable and is made of clear plastic.

D. 248B Adapter

4.08 The 248B adapter (Fig. 15) is used at modular installation to provide a connection between a modular cord and a 2012-type transformer.◀
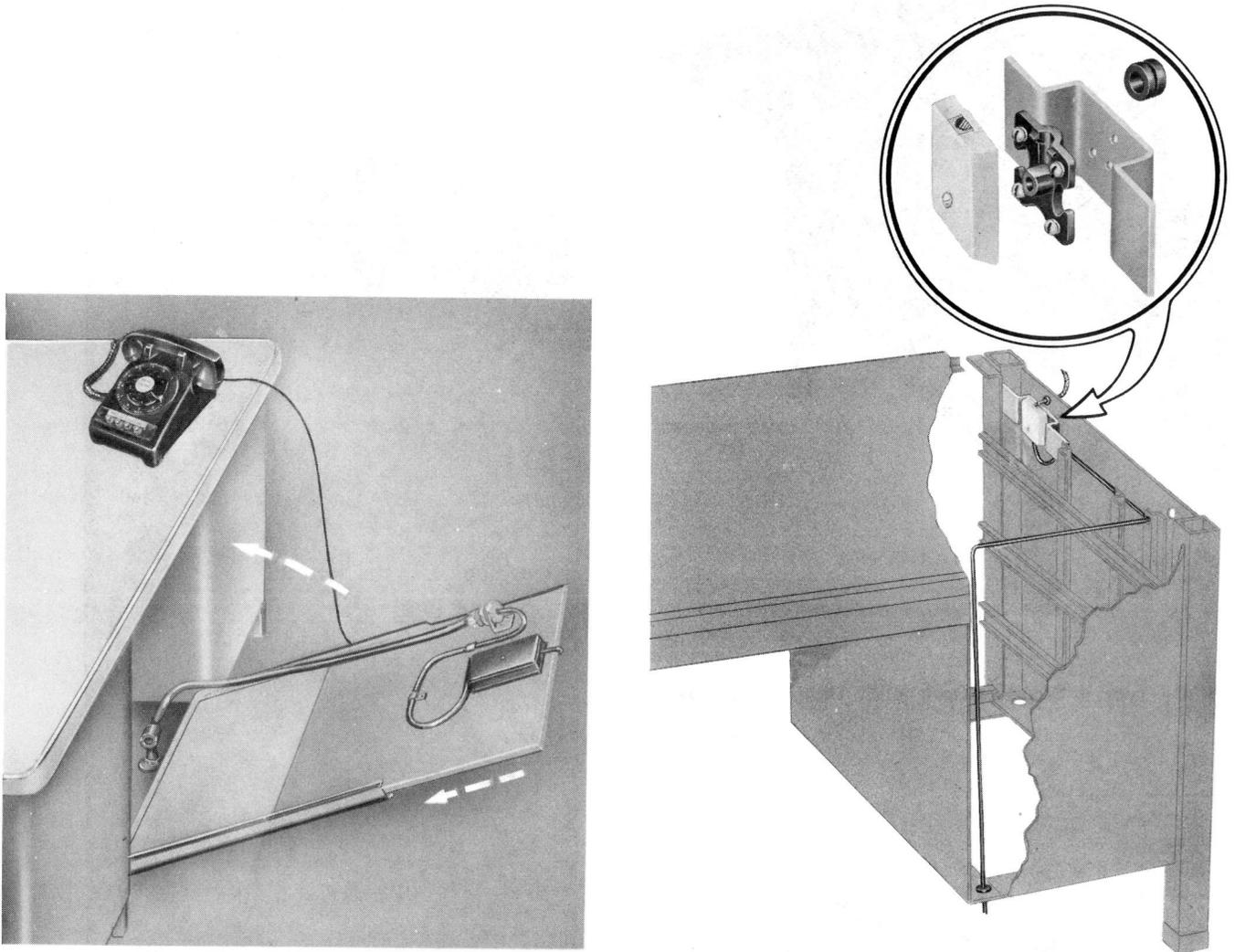
Fig. 7—Typical Metal Desk With Wiring Facilities
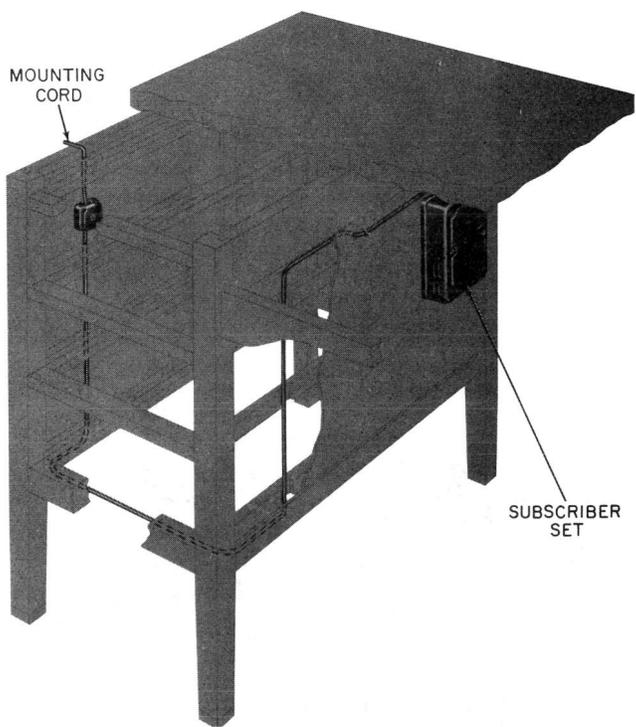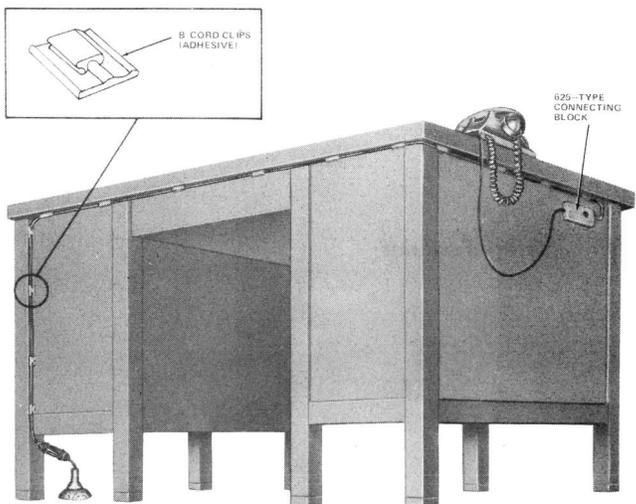
Fi. 8—Typcial Wooden Desk With Wiring Facilities

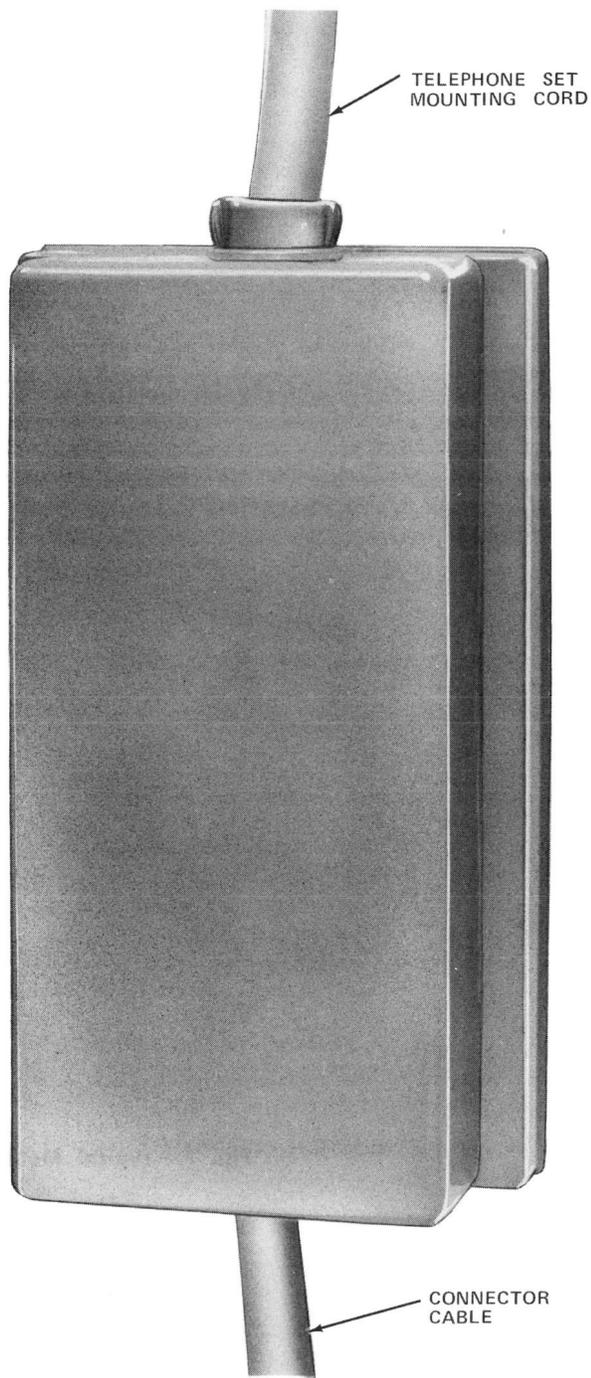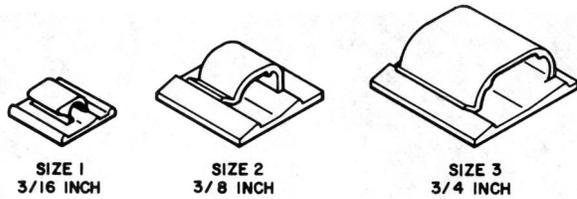**Fig. 9—Typical Wiring of Desk Having No Wiring Facilities**

Fig. 10—KS-20458, List 12, List 13, and List 14 Covers, Typical Installation

SIZE I
3/16 INCH

SIZE 2
3/8 INCH

SIZE 3
3/4 INCH

APPLICATION:
0-1-BUTTON TELEPHONE SETS – SIZE I
4-6-BUTTON TELEPHONE SETS – SIZE 2
MULTI-BUTTON TELEPHONE SETS – SIZE 3

Fig. 11—B Cord Clips

"D" STATION
WIRE

"B" CORD CLIP

2012-TYPE
TRANSFORMER

Fig. 13—Cord Clip Used to Secure Station Wire to
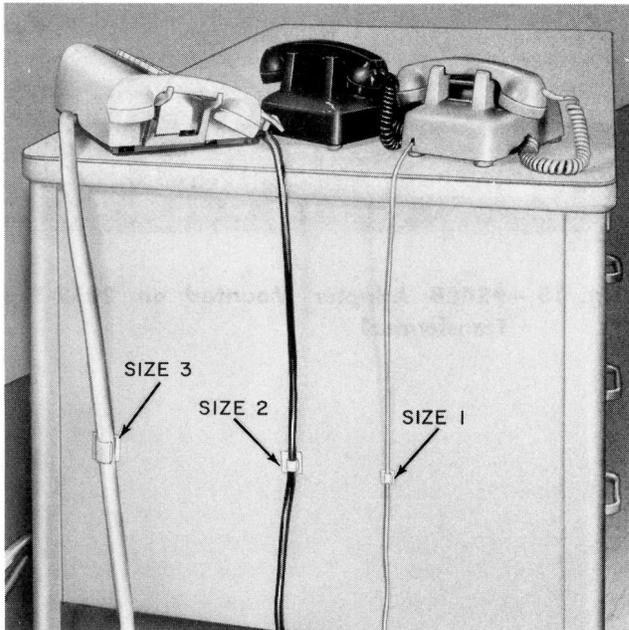2012-Type Transformer

SIZE 3

SIZE 2

SIZE I

Fig. 12—B Cord Clips Installed on Telephone Set
Mounting Cords
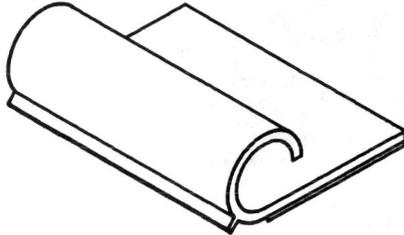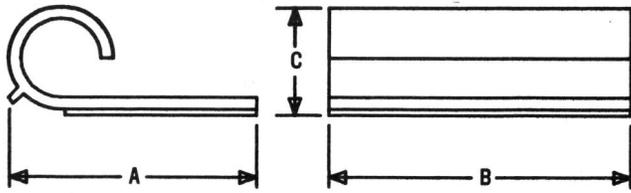
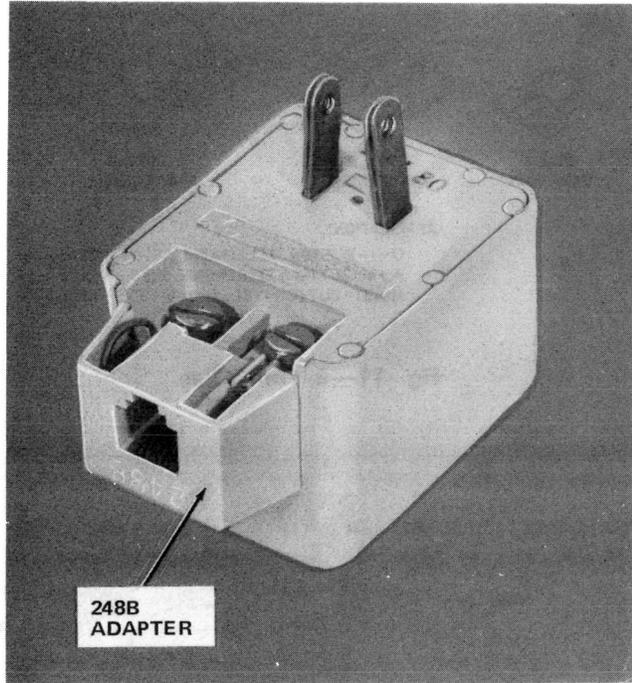| SIZE	DIMENSIONS (INCHES)			MAX. WIRE SIZE
	A	B	C	
C1	1	1	5/32	1/8
C2	21/32	1-1/4	3/8	3/16
C3	1	1-1/2	3/8	1/4
C4	1-7/32	1-25/32	15/32	5/16
C5	1-7/32	2	1/2	3/8
C6	1-13/64	2-17/64	1-11/32	1/2

Fig. 14—▶C Cord Clip◀

248B ADAPTER

Fig. 15—▶248B Adapter Mounted on 2012-Type Transformer◀