

1A1 AND 1B1 TERMINAL STUBS DESCRIPTION AND INSTALLATION IN 49C2, 104-TYPE, AND 105-TYPE CABLE TERMINALS

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49C2 Cable Terminal with 8A1-12 Terminal Block	3	1.02 This section is reissued to include information on the installation of the 1A1 or 1B1 terminal stubs in the 49C2, 104-type, or 105-type cable terminal. Reference to the 49A2 cable terminal (MD) is deleted from this issue. Since this is a general revision, arrows ordinarily used to indicate changes have been omitted.
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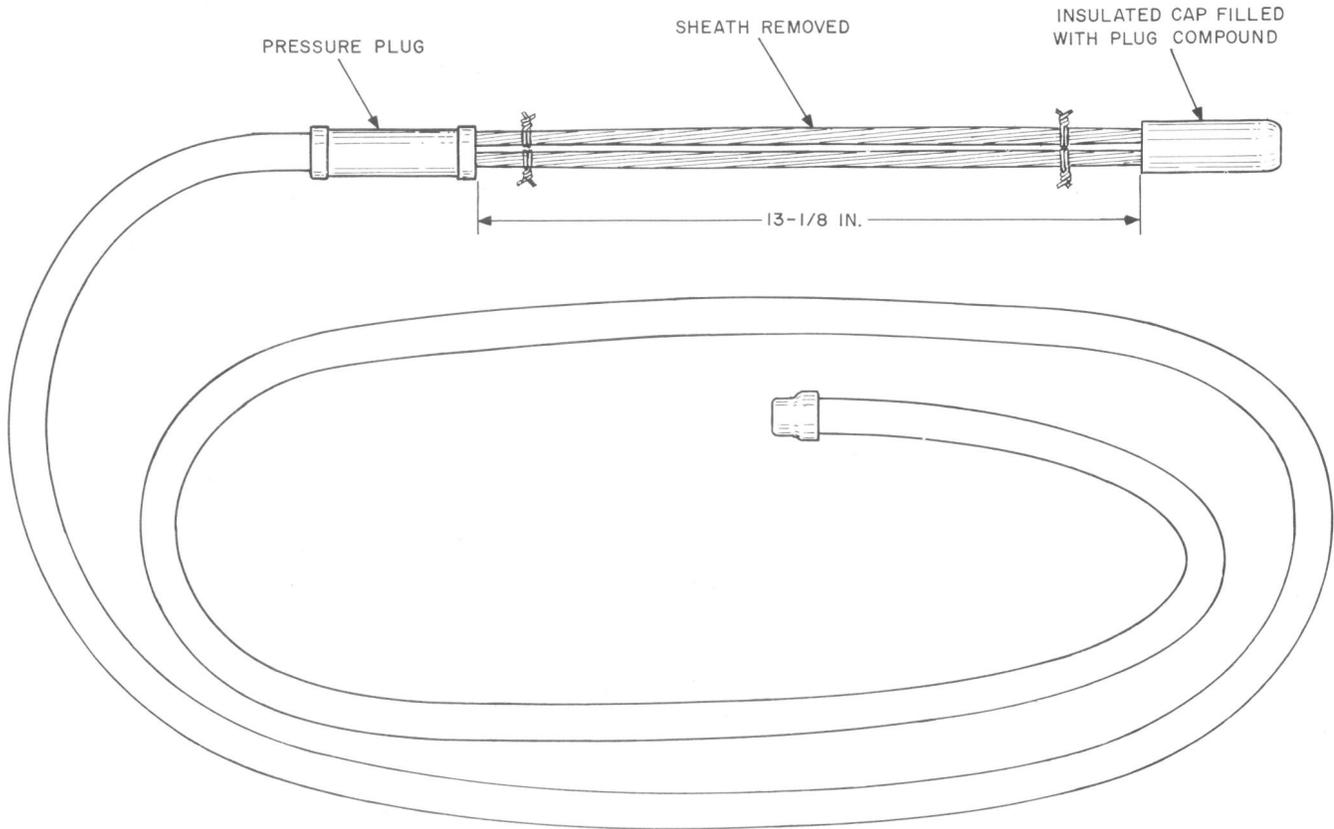


Fig. 1—1A1 and 1B1 Terminal Stubs

2.02 Each stub is furnished with a 197A adapter (Fig. 2) to support the terminal and stub beneath the main cable. When the through cable is larger than 1-3/8 inches in diameter, No. 2 U cable guard straps should be used.

2.03 Choice of Stub: The choice of lead or PVC sheathed stub depends on the type of splice closure. The 1A1 terminal stub with PVC sheath is *intended for use with a splice case or closure*. The 1B1 terminal stub with lead sheath is *intended for use with a lead sleeve*.

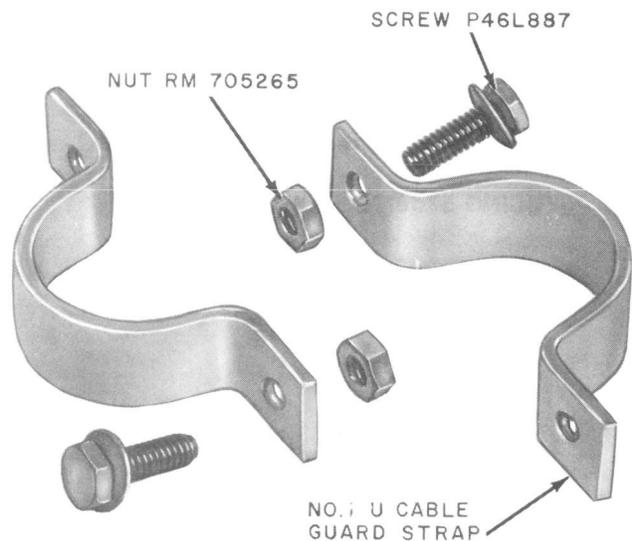


Fig. 2—197A Adapter

3. PREPARING STUB AND TERMINAL

49C2 Cable Terminal with 8A1-12 Terminal Block

3.01 Prepare 49C2 cable terminal with 8A1-12 terminal block as follows:

- (1) Remove flexible bond strap at base assembly (Fig. 3).
- (2) Install 8A1-12 terminal block (Fig. 3) (See 631-240-100).
- (3) Slide C lashed cable support through slot in 1 1/2 inch D cable spacer and under bar in base assembly (Fig. 3).
- (4) Place 1A1 or 1B1 terminal stub in cable terminal and secure with C lashed cable supports (Fig. 4).
- (5) Splice assigned pairs (Fig. 4) (See 631-240-100).

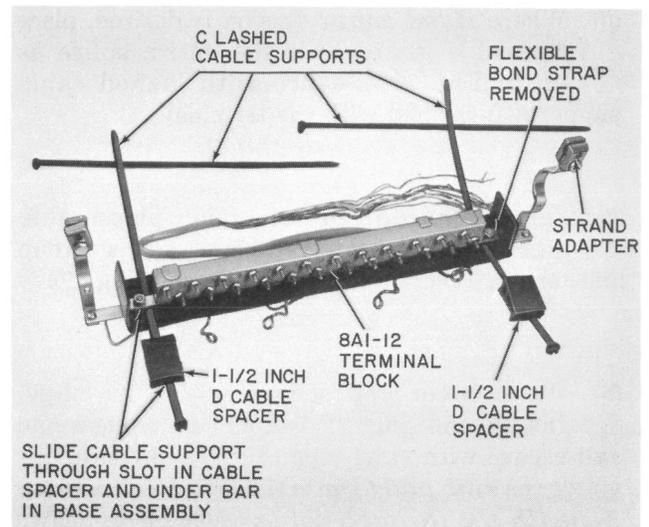


Fig. 3—Preparing 49C2 Cable Terminal for Installation of 1A1-1B1 Terminal Stub—8A1-12 Terminal Block

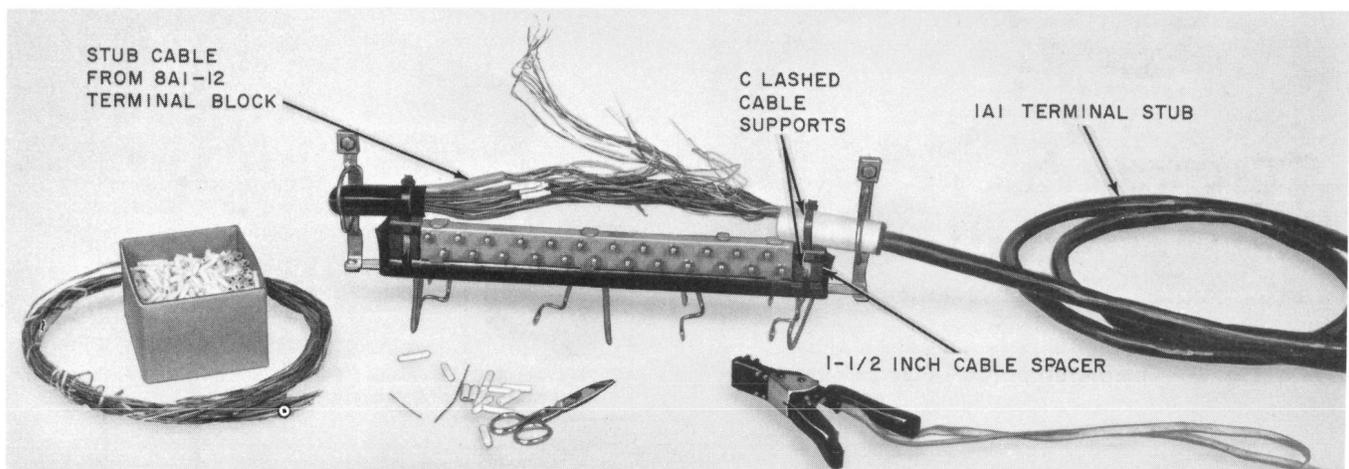


Fig. 4—Splicing Assigned Pairs

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(6) Where **fixed count** version is desired, place the cable guard over the entire splice as shown in Fig. 5. Secure with lashed cable supports furnished with the terminal.

(7) For **preferred count** version place cable guard leaving preferred count binder group and terminal block stub cable exposed (Fig. 6).

(8) Place cover and secure with wire clips. Install end plug (P-16E508) in unused end and secure with vinyl tape (Fig. 7). At locations where the **stub and terminal are to be supported beneath the through cable**, assemble as shown in Fig. 8. Figure 9 shows cover placed and 197A adapters installed.

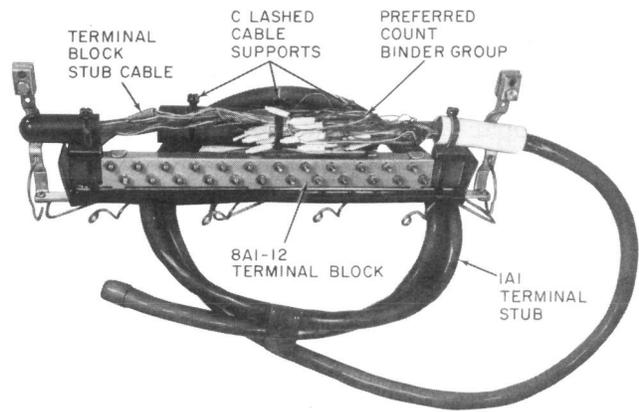


Fig. 6—Completed Splice—Preferred Count

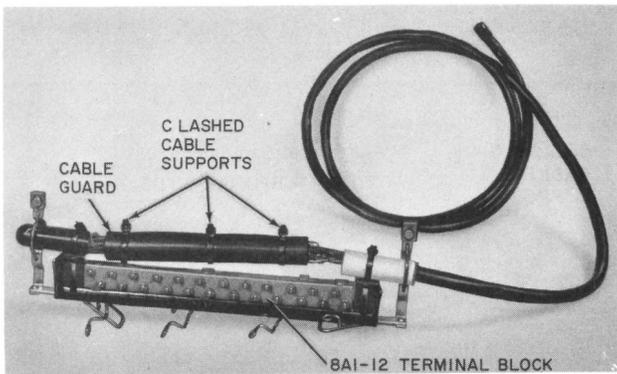


Fig. 5—Completed Splice—Fixed Count

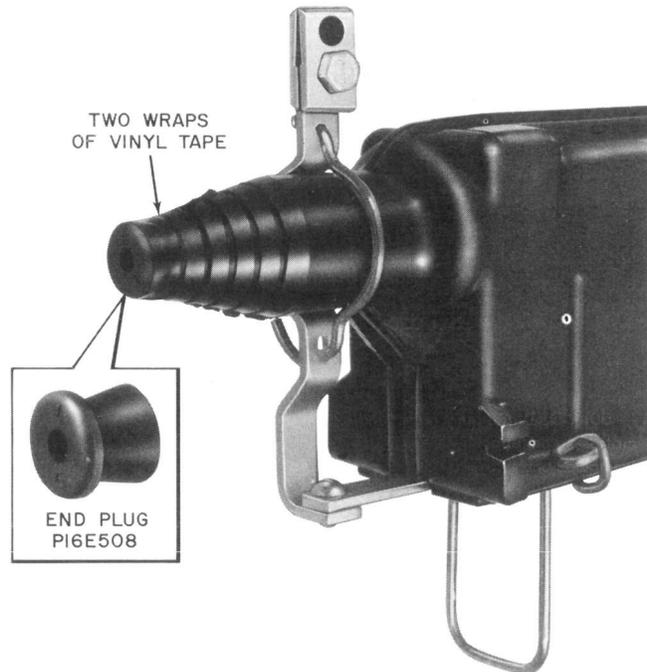
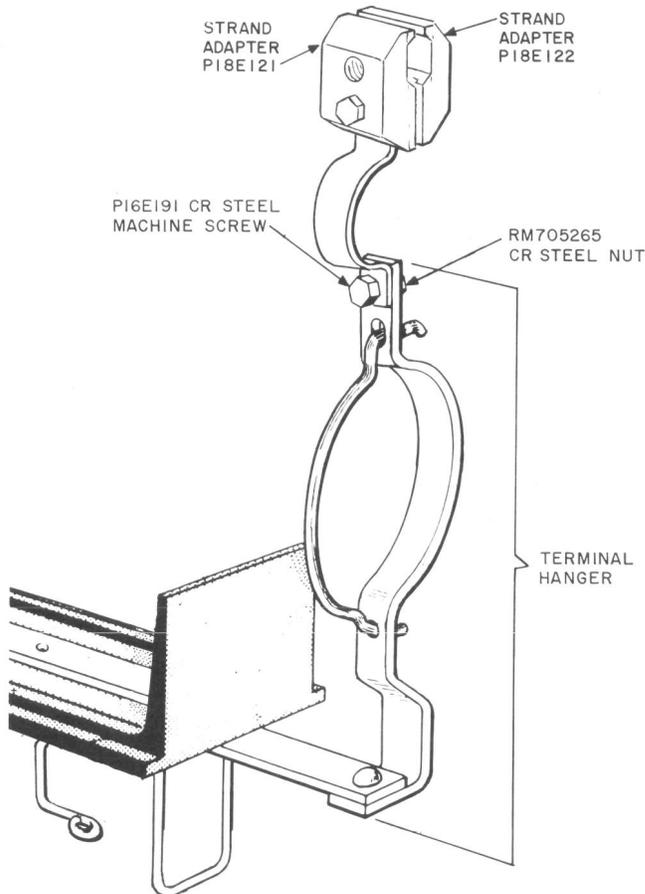
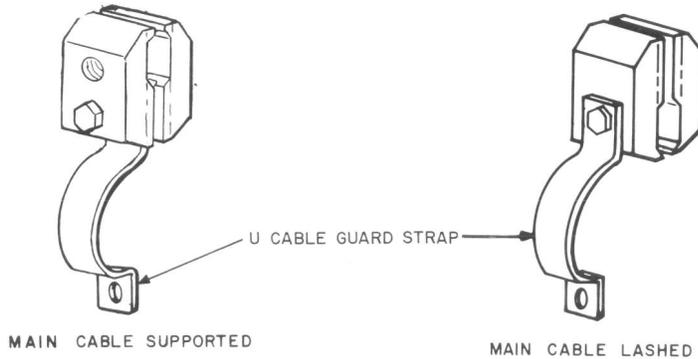


Fig. 7—End Plug in Place

1. REMOVE STRAND ADAPTER FROM TERMINAL.
2. FASTEN STRAND ADAPTER TO NO. 1 U CABLE GUARD STRAP (IF CABLE IS MORE THAN 1-3/8 INCHES IN DIAMETER, USE LARGER U CABLE GUARD STRAP).



3. U CABLE GUARD STRAP FASTENED TO TOP OF TERMINAL HANGER USING MACHINE SCREW AND NUT.

Fig. 8—Assembling 197A Adapter

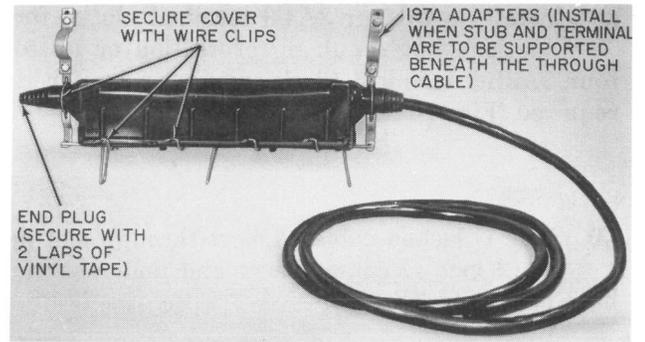
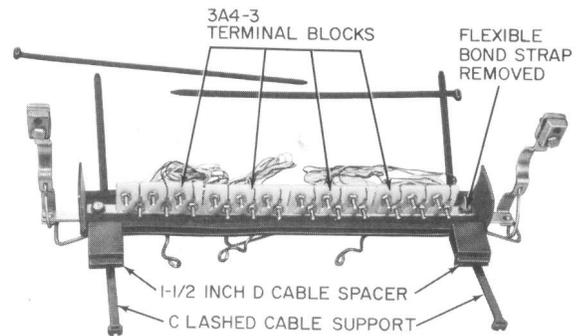


Fig. 9—Cover Placed and 197A Adapters Installed

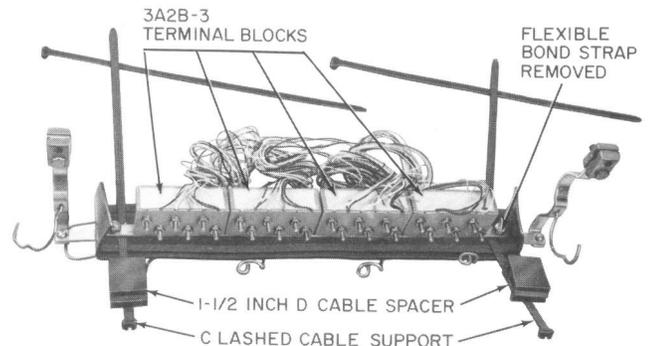
49C2 Cable Terminal with 3-Type Terminal Blocks

3.02 Prepare 49C2 cable terminal with 3-type terminal blocks as follows:

- (1) Remove flexible bond strap at base assembly (Fig. 10).



49C2 CABLE TERMINAL WITH 3A4-3 TERMINAL BLOCKS



49C2 CABLE TERMINAL WITH 3A2B-3 TERMINAL BLOCKS

Fig. 10—Installation of 3-Type Terminal Blocks

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(2) Install up to four 3A4-3 terminal blocks for locations not requiring protection or up to four 3A2B-3 terminal blocks where protection is required (Fig. 10).

(3) Slide C lashed cable support through slot in 1 1/2 inch D cable spacer and under bar in base assembly (Fig. 10).

(4) Place 1A1 or 1B1 terminal stub in cable terminal and secure with C lashed cable supports. Figure 11 shows 1A1 terminal stub installed in a 49C2 cable terminal with 3A2B-3 terminal blocks.

(5) Splice assigned pairs (See 631-240-100).

(6) Where **fixed count** version is desired, place the cable guard over the entire splice as shown in Fig. 12. Secure with lashed cable supports furnished with the terminal.

(7) For **preferred count** version place cable guard leaving preferred count binder group and terminal block conductors exposed (Fig. 13).

(8) Place cover and secure with wire clips. Install end plug (P-16E508) in unused end and secure with vinyl tape (Fig. 7). At locations where the **stub and terminal are to be supported beneath the through cable**, assemble as shown in Fig. 8. Figure 9 shows cover placed and 197A adapter installed.

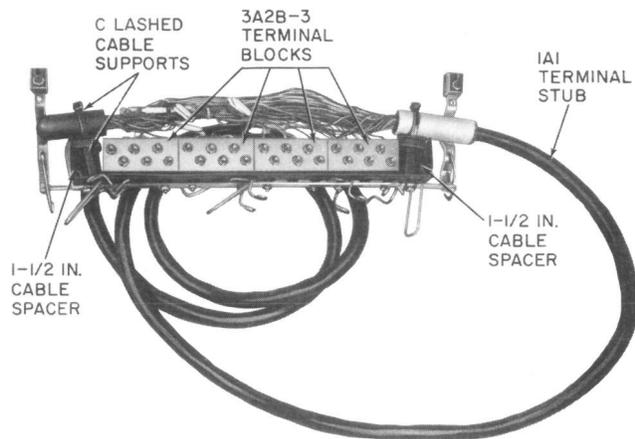


Fig. 11—49C2 Cable Terminal with 3A2B-3 Terminal Blocks—1A1 Terminal Stub Installed

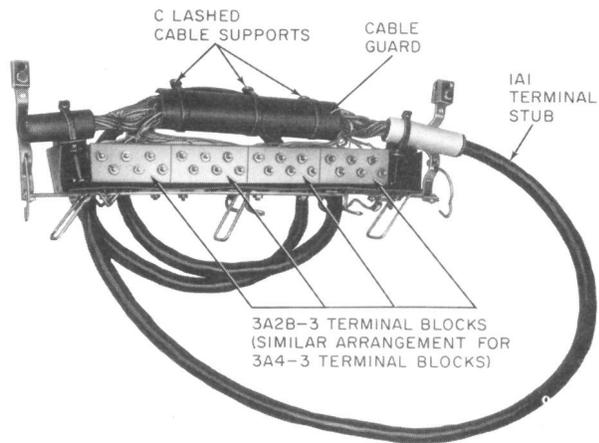


Fig. 12—Completed Splice—Fixed Count (49C2 Cable Terminal with 3A2B-3 Terminal Blocks)

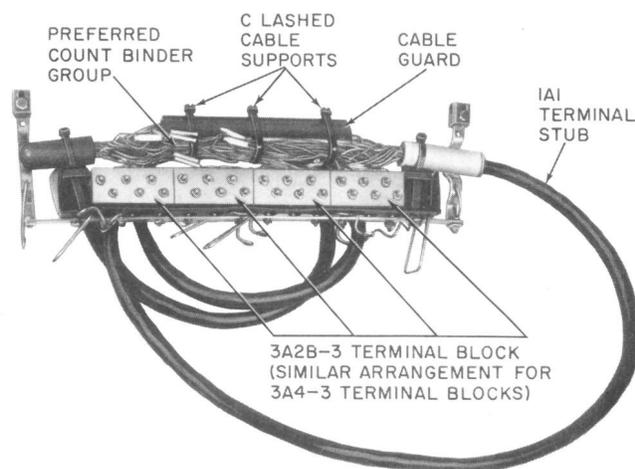


Fig. 13—Completed Splice—Fixed Count (49C2 Cable Terminal with 3A2B-3 Terminal Blocks)

104- or 105-Type Cable Terminal

3.03 Prepare 104- or 105-type cable terminal as follows:

(1) Place 1A1 or 1B1 terminal stub behind partition on terminal panel assembly. Store bond strap assembly by taping to 1A1 or 1B1 terminal stub with half-lapped layer of vinyl tape.

Store bond strap assembly on unused end of terminal in cable boot (Fig. 14).

- (2) Install 197A adapters on hanging brackets attached to housing assembly (Fig. 14).
- (3) Perform splicing operation as required. Bring preferred count binder group to front of partition before splicing stub when using 104-type terminal. Secure 1A1 or 1B1 terminal stub to 104- or 105-type cable terminal stub (Fig. 15).
- (4) Form drip collar of two laps of B sealing tape covered with two laps of vinyl tape. Locate on inner side of bond clamp inside cable boot (Fig. 15).
- (5) Fit cable boot around cable and install end plug (P-16E508). When cable boot slits are tightly closed wrap with two laps of vinyl tape (Fig. 16).
- (6) Install terminal panel assembly in housing assembly aligning housing with slots in cable boots. Secure with screws (Fig. 17).
- (7) Close door and secure with snap catch.

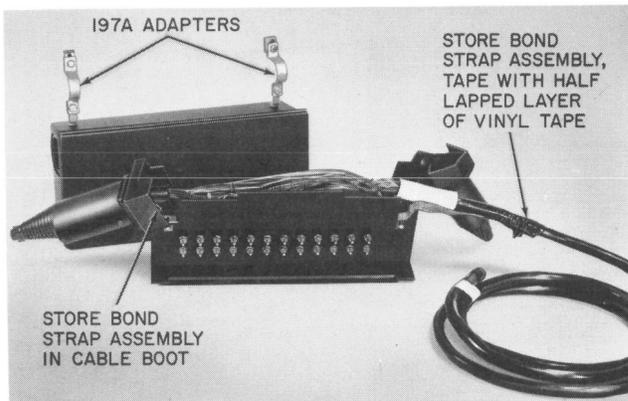


Fig. 14—Placing 1A1 or 1B1 Terminal Stub in 104- or 105-Type Cable Terminal

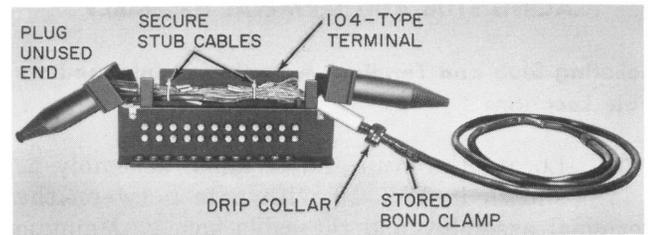


Fig. 15—Completed Splice—104-Type Cable Terminal

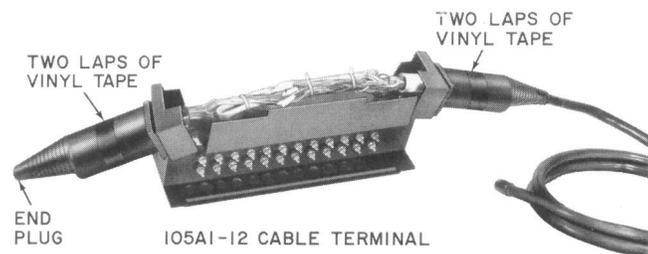
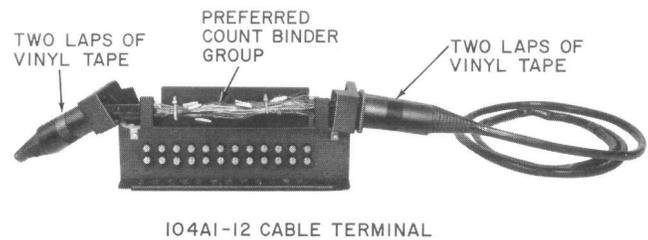


Fig. 16—Terminal Panel Assembly Prepared

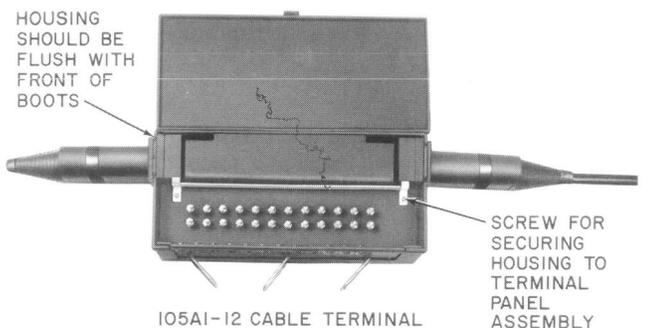


Fig. 17—Housing Installed

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4. PLACING STUB AND TERMINAL ASSEMBLY

Locating Stub and Terminal Assembly at Intermediate Pole Locations

4.01 Locate the stub and terminal assembly as shown in Fig. 18 with pole between the terminal assembly and the cable splice. Maintain a distance of 18 inches between the body of the

terminal and the center bolt of the cable suspension clamp.

Locating Stub and Terminal Assembly at Dead-End Pole Locations

4.02 Locate the stub and terminal assembly as shown in Fig. 19. Maintain a distance of 18 inches between the body of the terminal and the center bolt of the cable suspension clamp.

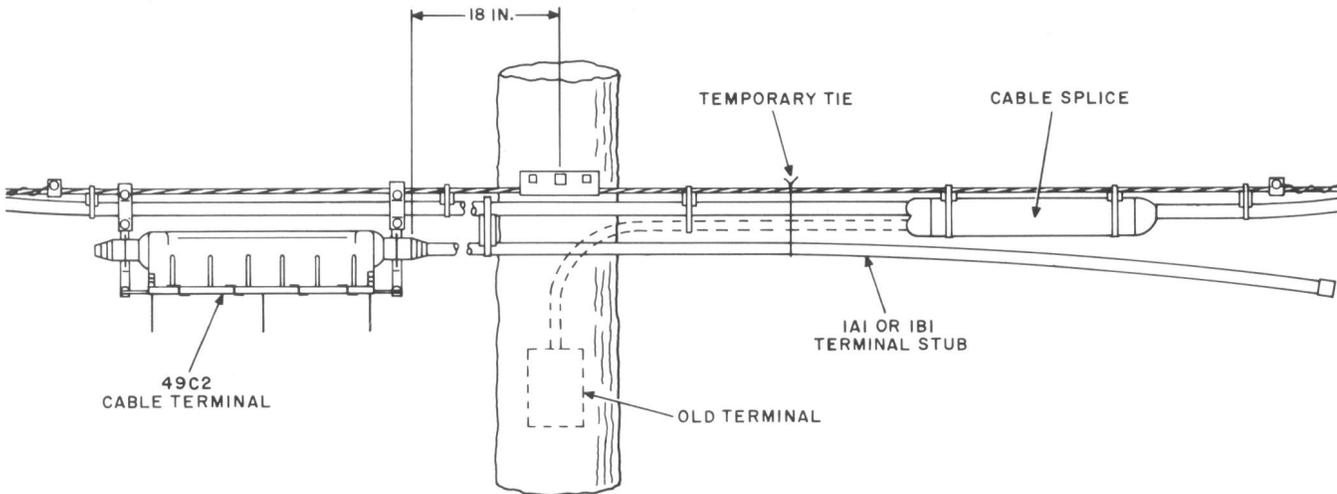


Fig. 18—Placing Terminal and Stub at Intermediate Pole

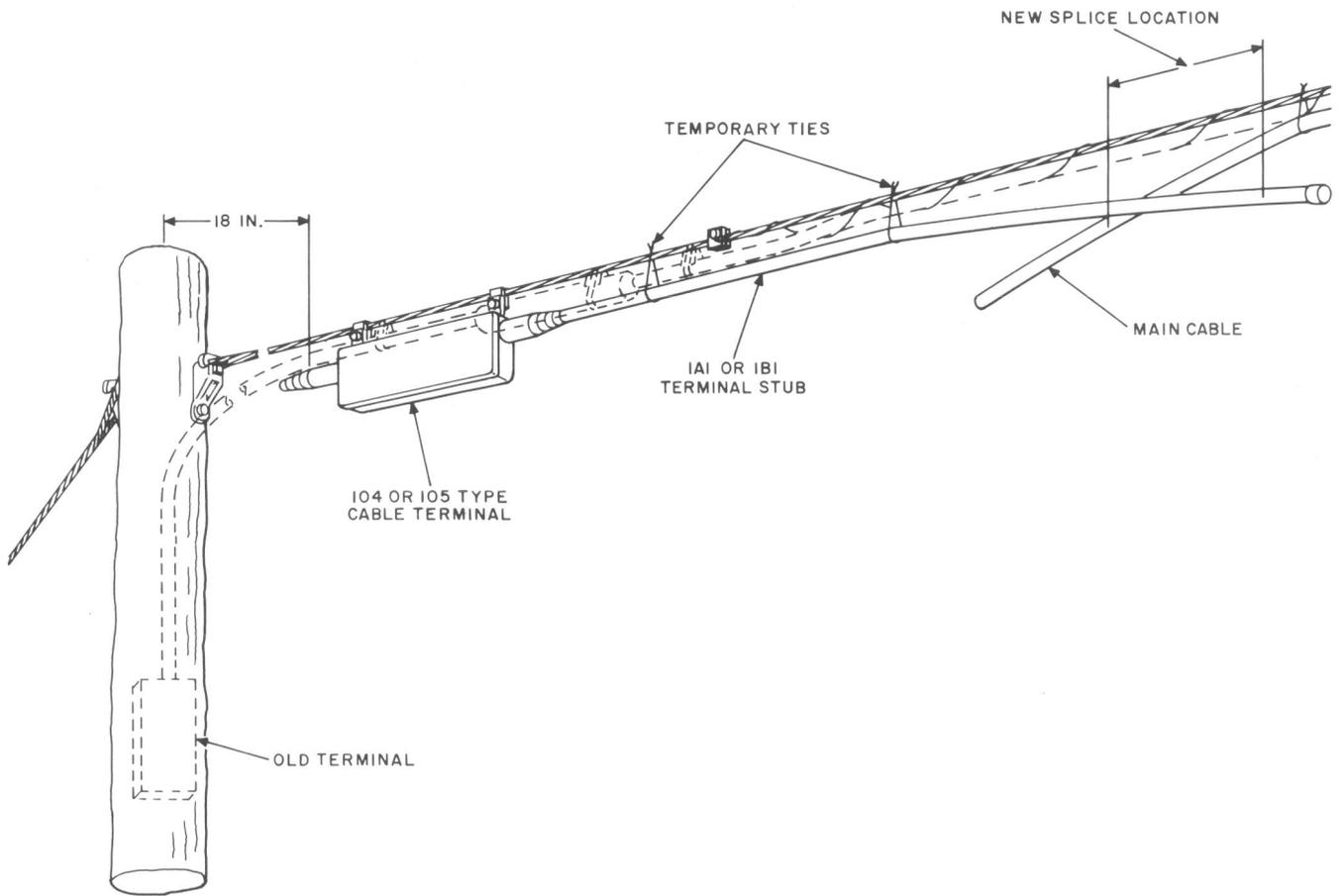


Fig. 19—Placing Terminal and Stub at Dead End Pole

Placing Terminal Assembly

4.03 Adjust strand adapters to fit strand where terminal assembly is to be placed. Position

terminal assembly as directed in 4.01 or 4.02 and secure to strand (Fig. 20, 21, and 22). Use temporary supports to hold the stub in position.

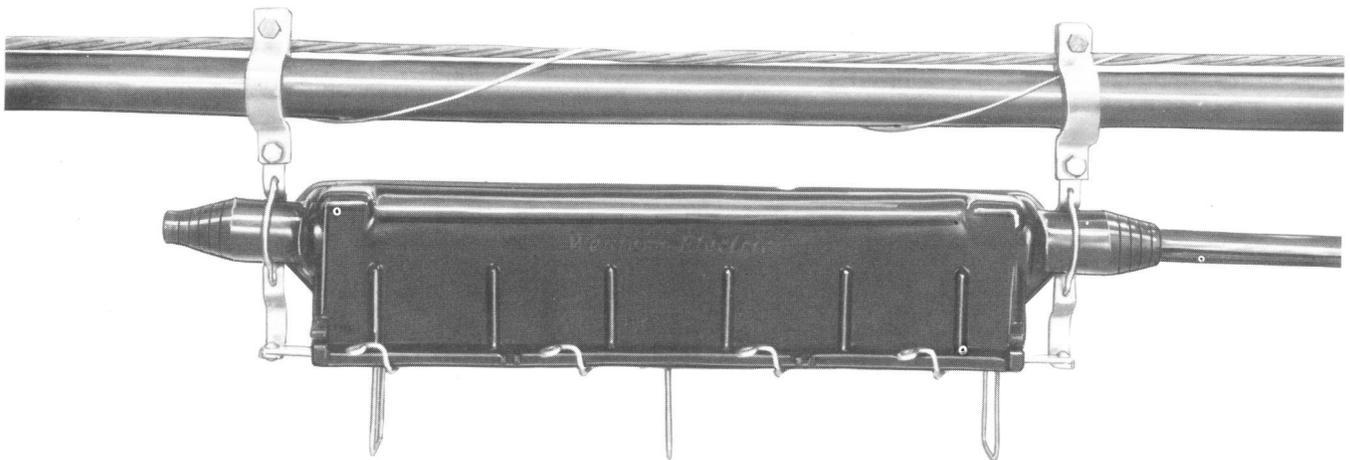


Fig. 20—Completed Installation (49C2 Cable Terminal)—Main Cable Lashed

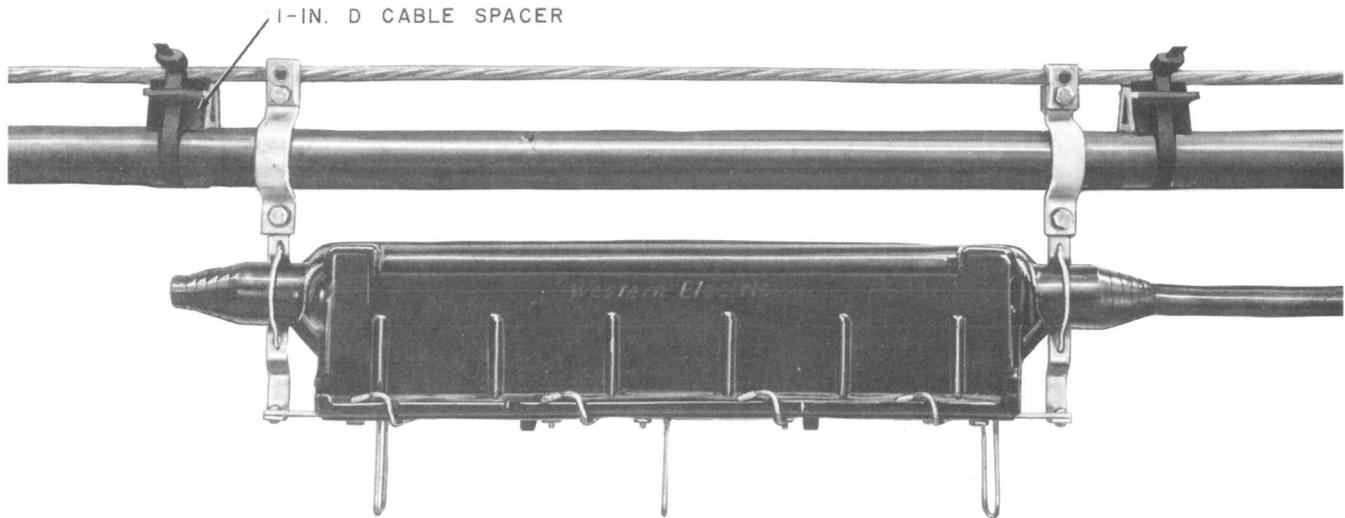
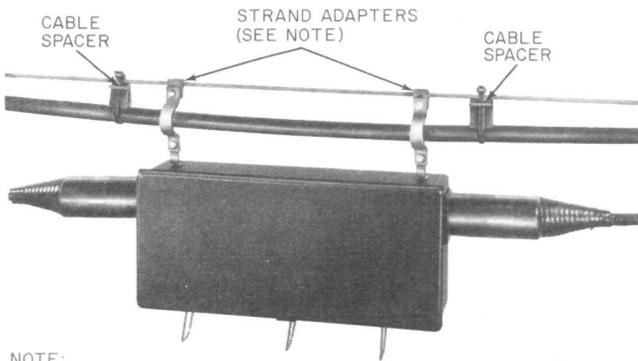


Fig. 21—Completed Installation (49C2 Cable Terminal)—Main Cable Supported



NOTE:
IF CABLE IS LASHED INSTEAD OF SUPPORTED, ATTACH
STRAND ADAPTERS WITH JAWS ROTATED 180° DEGREES

Fig. 22—Completed Installation (104-, 105-Type Cable Terminal)—Main Cable Supported

5. SPLICING STUB TO CABLE

5.01 Remove sleeve or splice case from the cable or make a new sheath opening where necessary.

5.02 Splice stub conductors to the cable conductors as specified in work order associating color coded pairs with cable pair numbers.

5.03 Enclose the completed splice with a lead sleeve or splice case. When using a splice case, measure the diameter of the cable to determine the right size splice case to be used. Older cables may have diameters greater than those shown in Section 626-200-101.