

1A1 AND 1B1 TERMINAL STUBS

DESCRIPTION AND INSTALLATION IN

105-TYPE CABLE TERMINALS

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1.	GENERAL	

1.01 This section covers the description and installation of 1A1 and 1B1 terminal stubs. These stubs are used to extend cable pairs from paper-insulated cables to 105-type cable terminals.

1.02 This section is reissued to update information on the installation of the 1A1 or 1B1 terminal stubs in the 105-type cable terminals. Reference to the 49-type and 104-type cable terminals (Mfr Disc.) is deleted from this issue. Since this is a general revision, arrows ordinarily used to indicate changes have been omitted.

2. DESCRIPTION OF 1A1 AND 1B1 TERMINAL STUBS

2.01 The 1A1 and 1B1 terminal stubs are composed of short sections of cable, each containing 50 pairs of plastic-insulated conductors fully color coded. One end is prepared with a gastight pressure plug, a sheath opening, and an insulated cap (Fig. 1). The 1B1 terminal stub (lead sheath) is available in 9-, 15-, and 25-foot lengths. The 1A1 terminal stub (PVC sheath) is available with a 9-foot stub only.

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, a No. 2 U cable guard strap must 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**.

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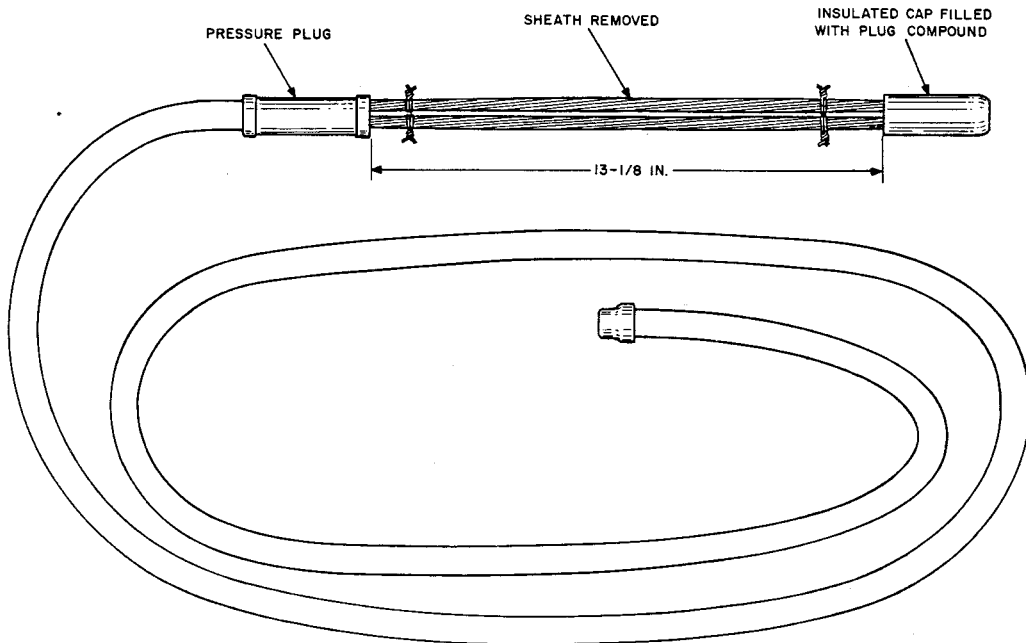
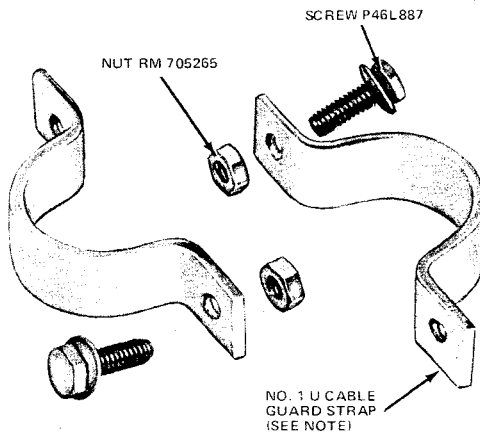


Fig. 1—1A1 or 1B1 Terminal Stub



NOTE:
WHEN THE THROUGH CABLE IS LARGER THAN
1.4 INCHES IN DIAMETER, NO. 2 U CABLE GUARD
STRAP SHOULD BE USED AND MUST BE ORDERED
SEPARATELY.

Fig. 2—197A Adapter

3. PREPARING STUB AND TERMINAL

105-Type Cable Terminal

3.01 Prepare 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. 3).
- (2) Install 197A adapters on support brackets attached to terminal panel assembly (Fig. 4).
- (3) Perform splicing operation as required. Secure 1A1 or 1B1 terminal stub to 105-type cable terminal stub (Fig. 3).
- (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. 3).
- (5) Fit cable boot around cable. If the unused boot end is open, plug with formed roll of B or D sealing tape (Fig. 5). Place, tighten, and trim cable ties on each boot.
- (6) Install terminal panel assembly in housing assembly. Align housing with slots in cable boots. When fully seated, there is an audible snap (Fig. 5). For security (if desired), tighten security screw using a KS-19192, L1 wrench.
- (7) Close door and secure with snap catch.

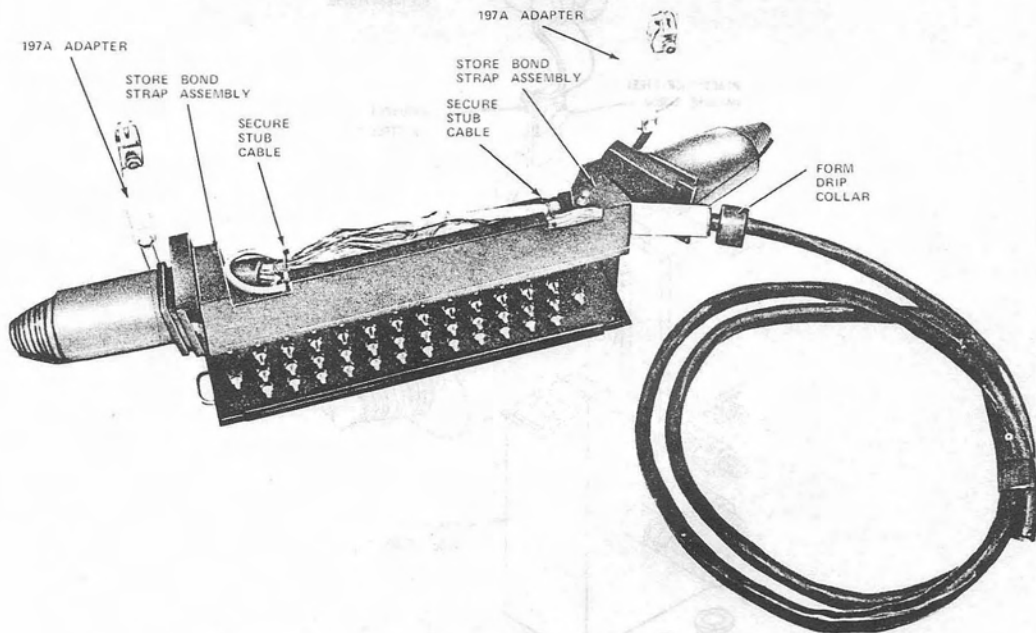


Fig. 3—Placing Terminal Stub in 105-Type Cable Terminal

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).

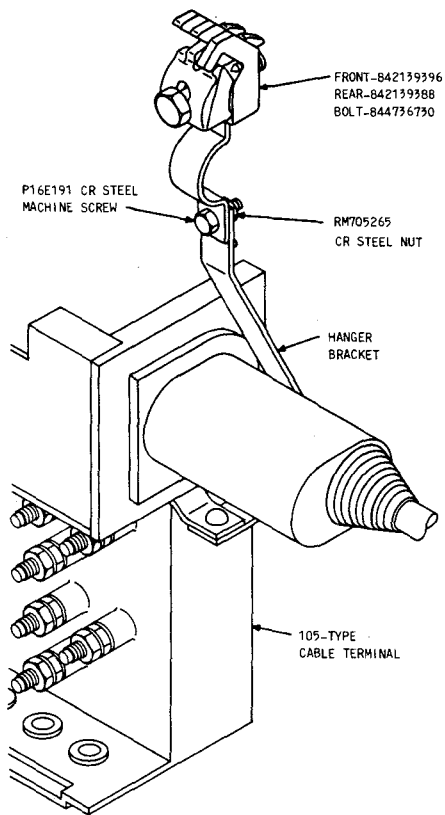
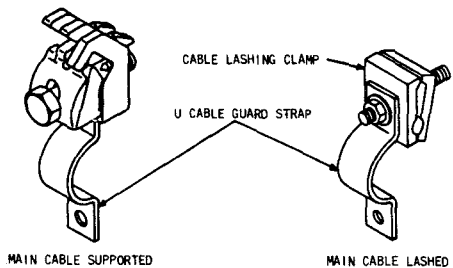


Fig. 4—Assembling 197A Adapter

IF END OF BOOT IS OPEN
PLUG WITH FORMED
ROLL OF B OR D
SEALING TAPE

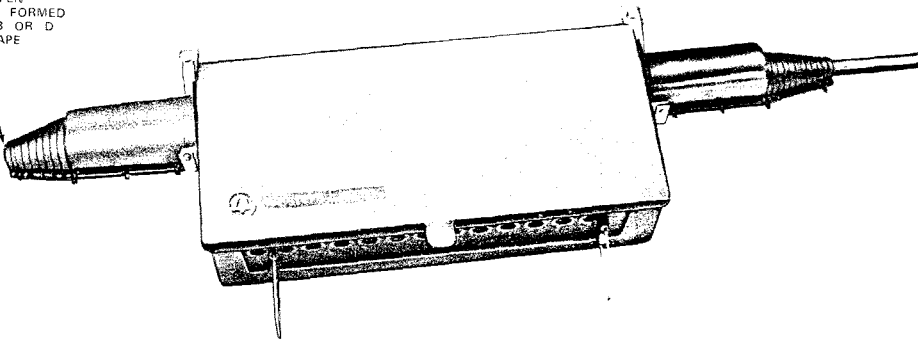


Fig. 5—Housing Installed

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. 6 with pole between the terminal assembly and the cable splice. Maintain a distance of approximately 18 inches between the body of the terminal and the center bolt of the cable suspension clamp.

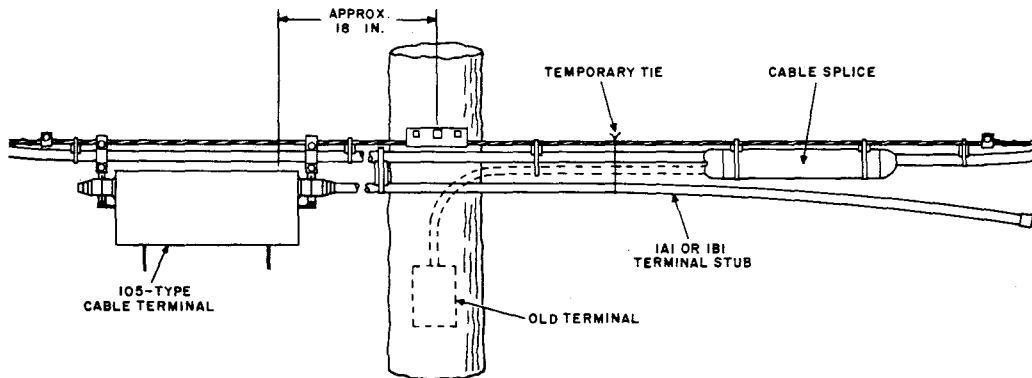


Fig. 6—Placing Terminal and Stub at Intermediate Pole

Locating Stub and Terminal Assembly at Dead-End Pole Locations

4.02 Locate the stub and terminal assembly as

shown in Fig. 7. Maintain a distance of approximately 18 inches between the body of the terminal and the center of the pole.

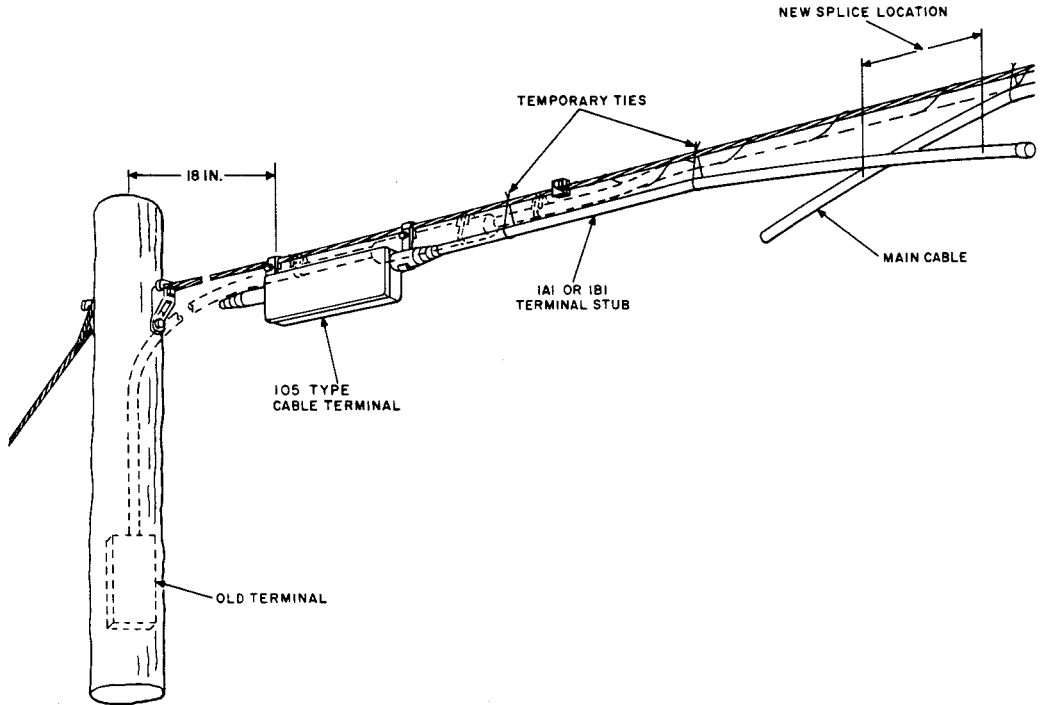
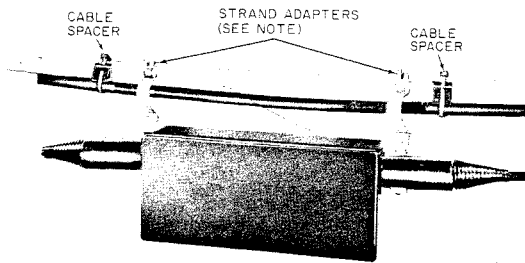


Fig. 7—Placing Terminal and Stub at Dead-End Pole

Placing Terminal Assembly

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

terminal assembly as directed in paragraph 4.01 or 4.02 and secure to strand (Fig. 8). Use temporary ties to hold the stub in position.



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

Fig. 8—Completed Installation (105-Type Cable Terminal) Main Type Supported

5. SPLICING STUB TO CABLE

- 5.01 Remove existing splice enclosure from the cable or make a new sheath opening.
- 5.02 Splice stub conductors to the cable conductors as specified in work order.
- 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.