AUXILIARY SLEEVES
FOR SPLICE CASES

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1. GENERAL

1.01 This section covers procedures for installing a lead auxiliary sleeve to permit two lead sheath cables or stubs up to 1.2 inches in diameter to enter into a single opening of a splice case. This is necessary in order to accommodate the stub cables of T-1 apparatus cases. Single or twin three way splices are essential in accomplishing proper implementation of T-1 Carrier Systems as described in Section AB25.275.051/AG78.310.

1.02 Using the auxiliary sleeve eliminates the need for a large lead sleeve and a disc joint; however, the introduction of this method of installation does not preclude the use of lead sleeves for three way joints. Either method may be used to cover the splice.

1.03 The lead sheath cables are prepared for splicing as outlined in Section 632-315-200.

2. PREPARING AUXILIARY SLEEVE

2.01 The auxiliary sleeve should be a minimum of 10 inches long and 1/4 inch larger in diameter than the combined diameter of the two lead sheath cables or stubs.

2.02 Remove the identification ridges from the auxiliary sleeves to avoid the possibility of leaks between the sleeve and the splice case.

2.03 Clean one end of the sleeve with a carding brush and apply a coat of stearine as outlined in Section 633-200-201 (Fig. 1).

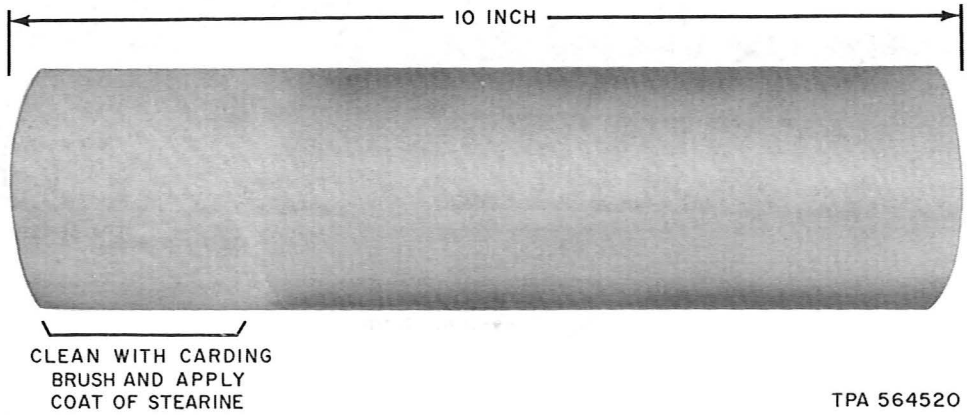

Fig. 1—Auxiliary Sleeve

3. INSTALLATION OF AUXILIARY SLEEVE

3.01 Slide the auxiliary sleeve with the stearine coated end away from the splice over the cables and place a lead wedge between the stub cables as shown in Fig. 2.

3.02 Beat in sleeve to form a tight fit between the cables, lead wedge, and auxiliary sleeve (Fig. 2).

3.03 Place cable pasters on the lead sheath cables and prepare for wiping as outlined in Section 633-200-201.

3.04 Wipe the sleeve as outlined in Section 633-300-201 using a minimum amount of heat to avoid damaging the conductor insulation (Fig. 3).

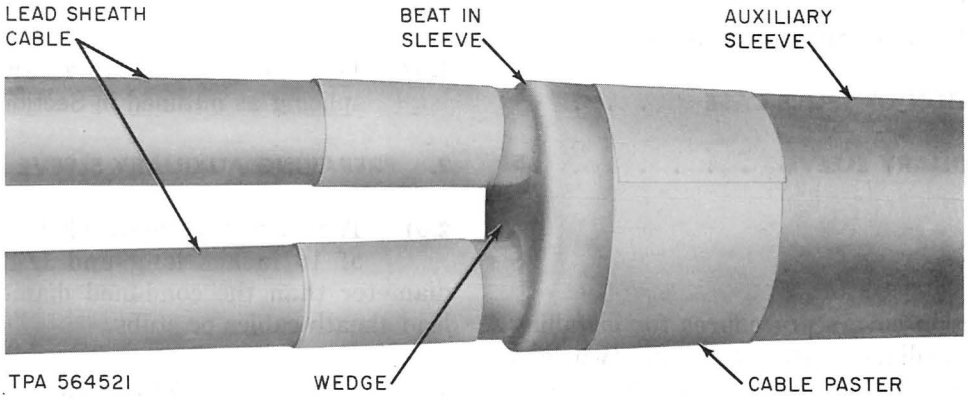

Fig. 2—Joint Prepared for Wiping

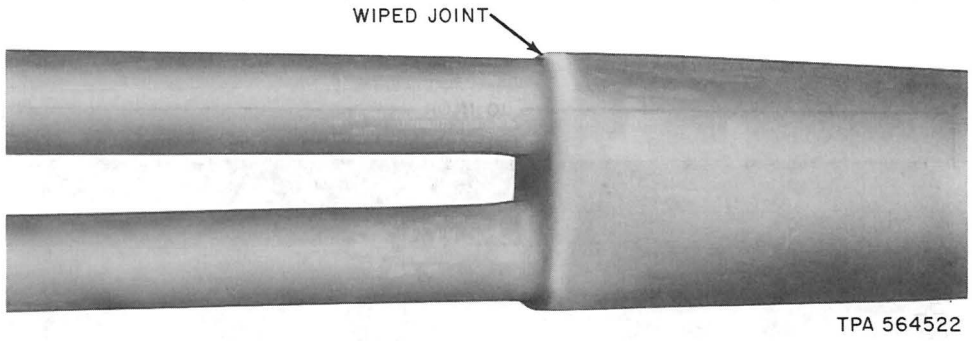

Fig. 3—Wiped Joint

3.05 Cut eight tabs 2-1/2 inch long in the sleeve as would be done in a cable sheath for placement of the inner sheath clamp (Fig. 4).

3.06 Place a large size inner sheath clamp underneath the tabs as shown in Fig. 5 and beat in the sleeve to hold the inner sheath clamp in place.

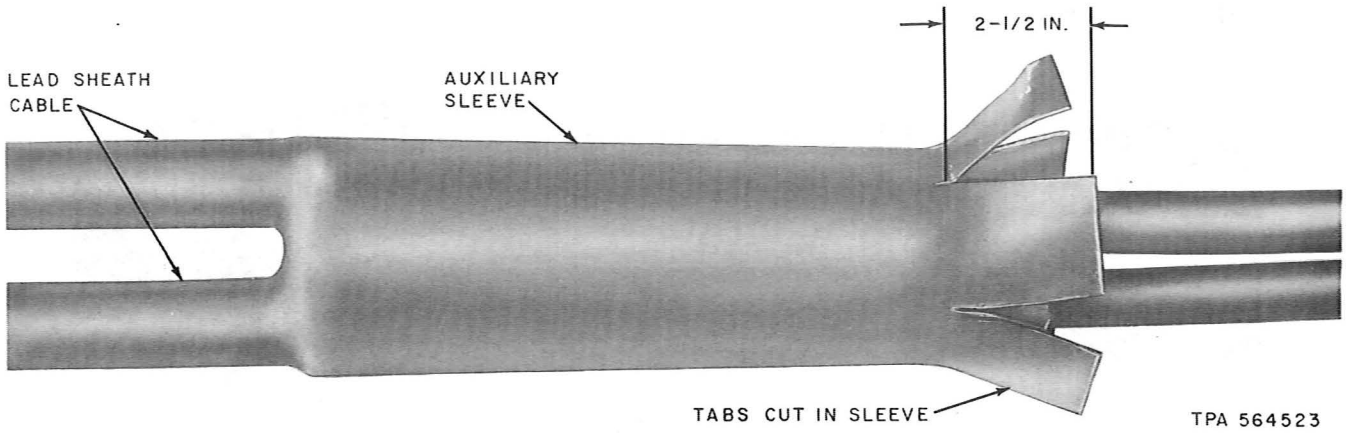

Fig. 4—Tabs Cut in Sleeve

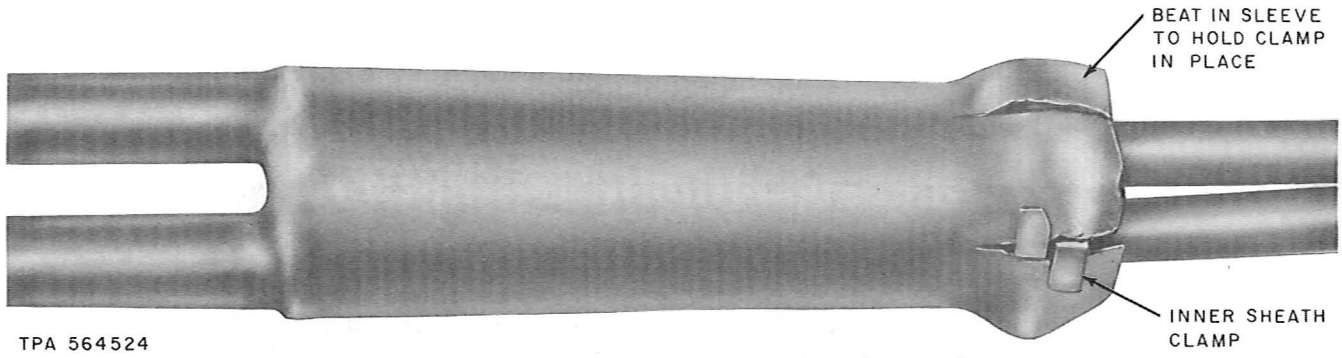

Fig. 5—Installed Inner Sheath Clamp

4. INSTALLATION OF SPLICE CASE

4.01 After completion of the wire joining wrap the completed splice in the usual manner.

4.02 Using lead sealing washers and B sealing tape form a collar on the auxiliary sleeve as shown in Fig. 6 and as outlined in Section 633-400-200.

4.03 Place a splice case over the splice as outlined in Section 633-400-200. (Fig. 7 and Fig. 8)

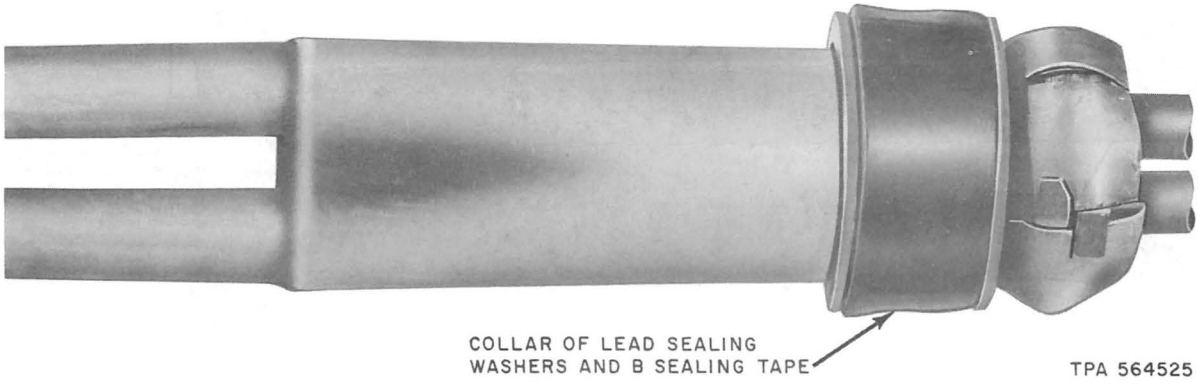

Fig. 6—Sealing Tape Collar Installed

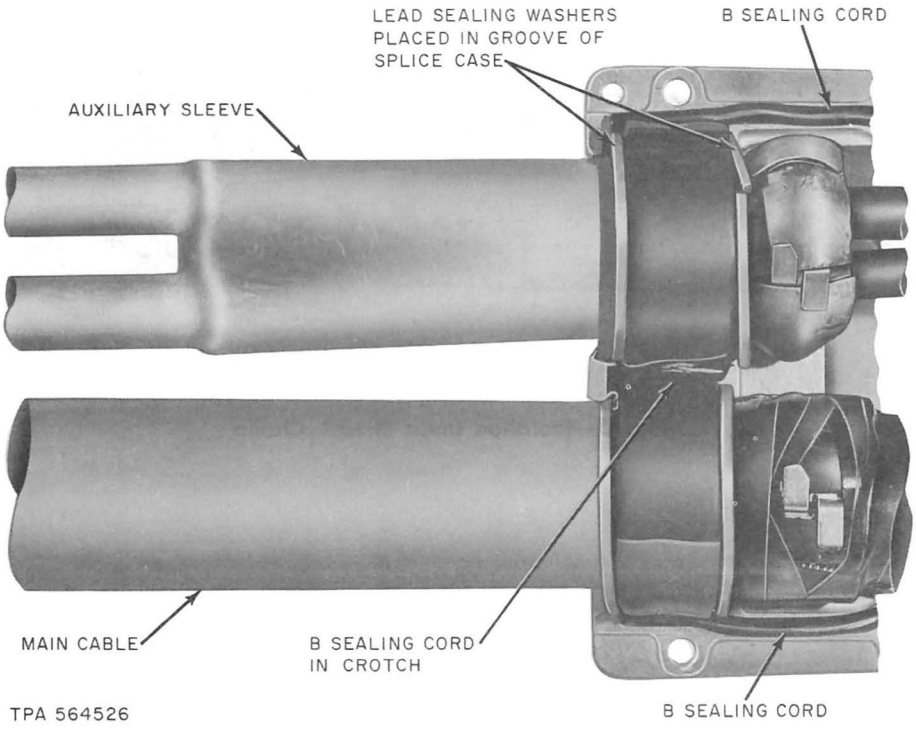

Fig. 7—Back Half of Splice Case Placed Over Splice

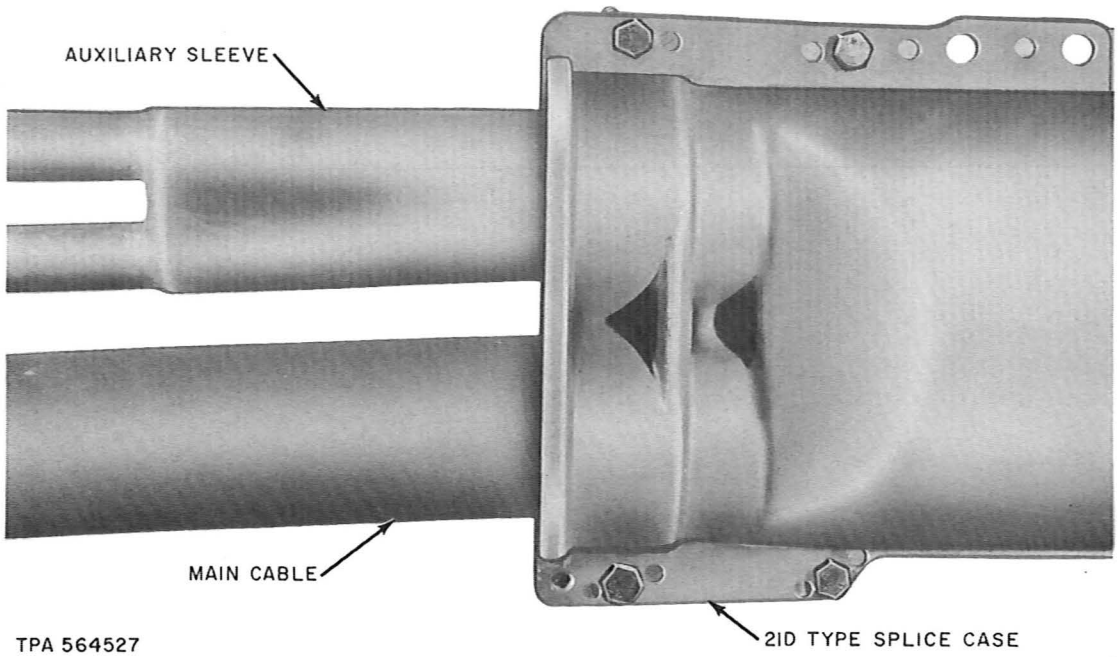

Fig. 8—Installed Splice Case

5. SPLIT AUXILIARY SLEEVE

5.01 When adding a second lead sheath cable to an existing splice it will be necessary to split the auxiliary sleeve as outlined in Section 633-200-201.

5.02 After splitting the sleeve, open it wide enough to allow the sleeve to be slipped onto the cables.

5.03 Clean the sleeve, slip it over the cable, then solder the split as outlined in Section 633-200-201.

5.04 Complete the installation as outlined in Parts 3 and 4.