COMMUNICATIONS TECHNOLOGY

HAWK AERIAL SPLICE CLOSURE

1. GENERAL

1.01 This section covers the description and installation of the Communications Technology's, HAWK Aerial Splice Closure.

1.02 (Reserved for future use.)

1.03 The HAWK aerial splice closure is used to close sheath openings in plastic-insulated, copper conductor aerial cables at branch or in-line splices.

1.04 If corrections are required in the manufacturer's instruction, use Form E 3973-1PT as described in Section 000-010-901PT to process the correct information.

1.05 If equipment and/or design problems occur, refer to Section 010-700-010PT for procedures on how to file an engineering complaint.

1.06 When revised instructions reflect modifications due to equipment changes, retain the superseded information.

2. DESCRIPTION

2.01 Figure 1 illustrates the HAWK aerial splice closure.

2.02 Table A lists the HAWK aerial splice closures and the maximum cable size for each type closure.

2.03 Table B lists the Two-Way Adapters which are available for use where it is necessary for two cables to enter into one nozzle of a HAWK aerial splice closure.

2.04 Table C lists Extender Kits which are available for use on cable rehabilitation and cable pull-outs.

3. TRAINING

3.01 All training will be conducted through the Pacific Bell Human Resources Department.

4. MAINTENANCE

4.01 Field repairs of the units are *not* recommended.

5. ORDERING PROCEDURES

5.01 Ordering of all equipment/units is through the standard ordering procedures.

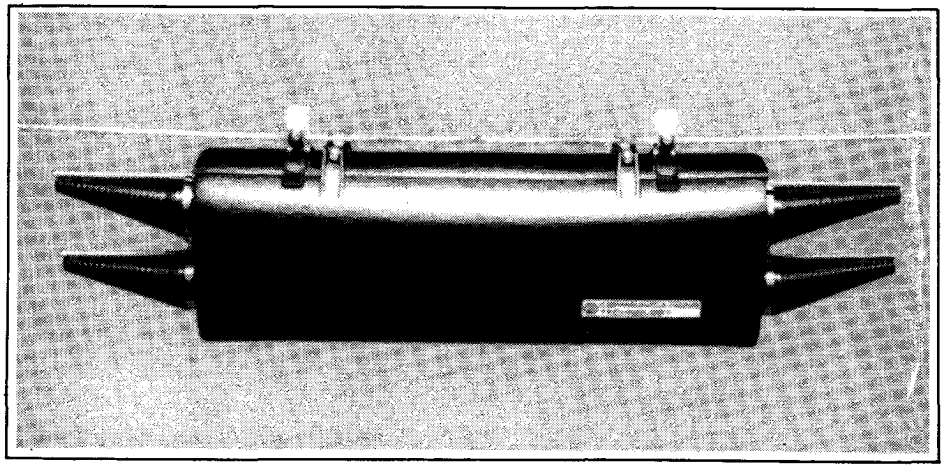
6. REPAIR/RETURN

6.01 Repair and return of units are through the standard procedures.

Attachment:

Communications Technology, Hawk Aerial Closure Brochure.

HAWK AERIAL CLOSURE



C #	Port Access	Cable Diameter	Splice Size
C2350	Single port Straight Splice	.5" to 2.2"	3.7"
C2360D	Extender Kit		
C2351	Multi-Port Branch Splice	Large Ports .5" to 1.5" Lower Port Blanks	4.5"
C2365	Two-Way Adapter Kit	Small Ports .5" to 1.0"	
C2361D	Extender Kit		
C2352	Multi-Port Branch Splice	Large Ports .5" to 2.2" Lower Port Blanks	6.4"
C2366	Two-Way Adapter Kit	Small Ports .5" to 1.5"	
C2362D	Extender Kit		
C2353	Multi-Port Branch Splice	Large Ports .5" to 3.0" Lower Port Blanks	8.0"
C2367	Two-Way Adapter Kit	Small Ports .5" to 1.5"	
C2363D	Extender Kit		

***NOTE:** Each of the multi-port closure sizes is delivered with two booted ports at each end, with "Blanks" that permit easy modification for either one or three ports. For **three port applications**, the additional port-and-boot system is available in an optional kit which includes additional bonding hardware.

COMMUNICATIONS TECHNOLOGY

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LASHED CABLE AT INTERMEDIATE POLE

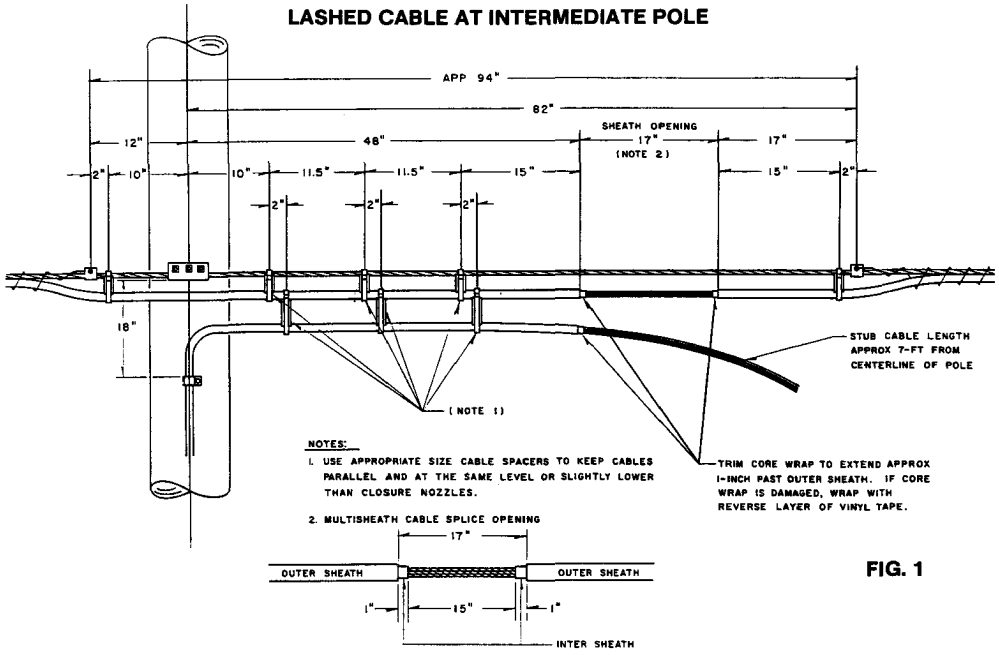


FIG. 1

SELF-SUPPORTING CABLE AT INTERMEDIATE POLE

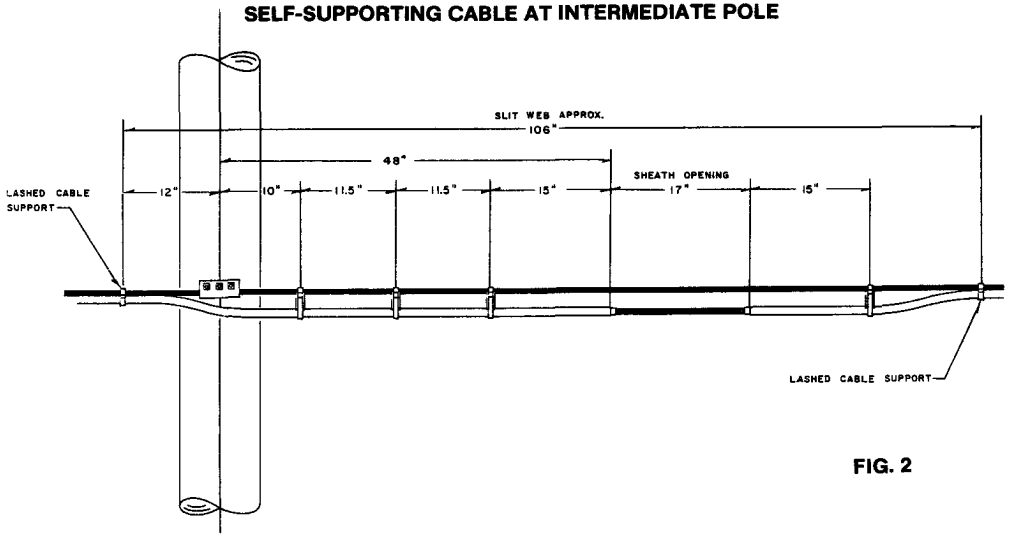


FIG. 2

Step 1: Using the appropriate size spacers to keep cables parallel and at the same level or slightly lower than closure nozzles, support the cables as illustrated in figures 1 to 4.

EXTENDED SHEATH OPENING — SELF-SUPPORTING CABLE

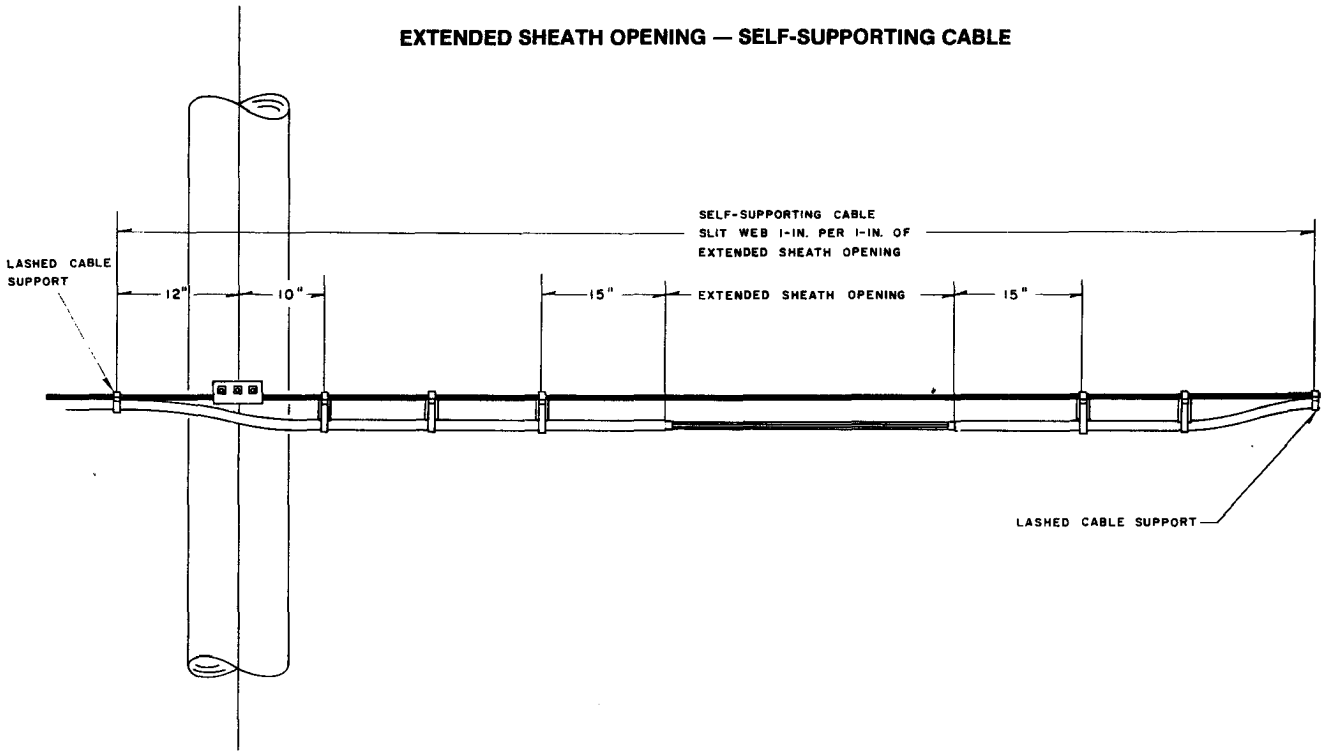


FIG. 4

3-WAY CABLE SUPPORT ARRANGEMENT AT INTERMEDIATE POLE

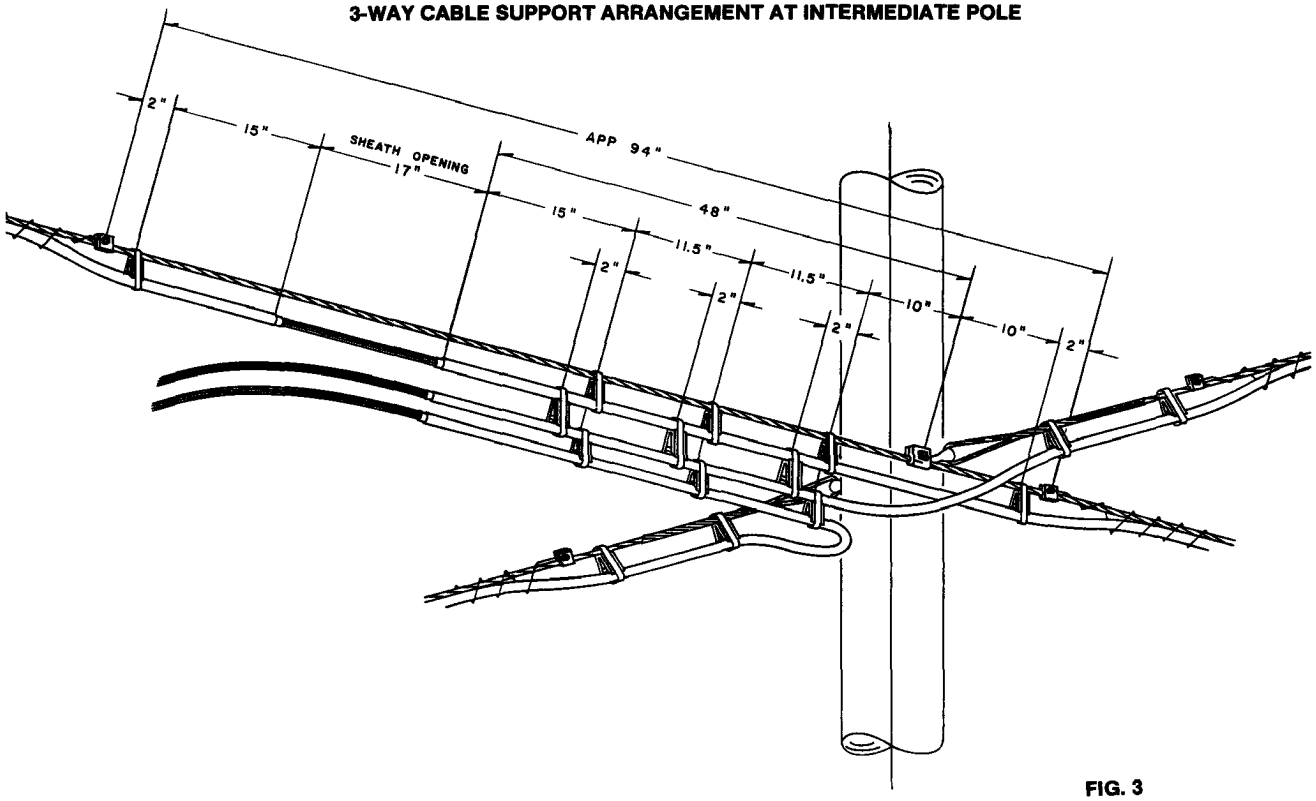
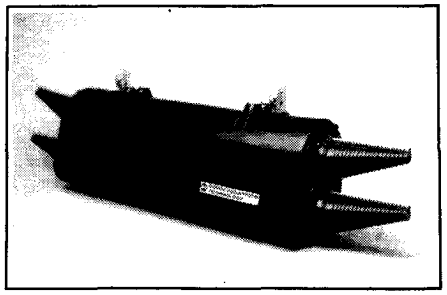
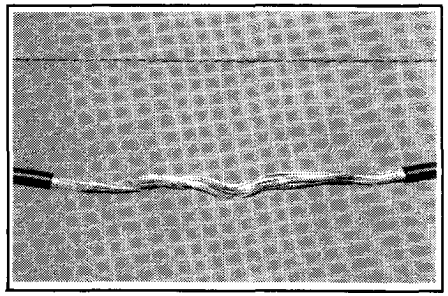


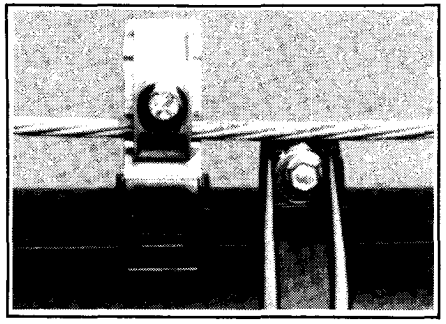
FIG. 3



Step 2: Unpack the Hawk Aerial Closure. Notice that the unit is completely assembled. Located inside the closure body will be strips of B-Sealing tape for drip collars, D-Bonding Straps, Cable Ties to dress the wire work, a cable diameter measuring tape, two sets of lower port blanks and one boot plug.

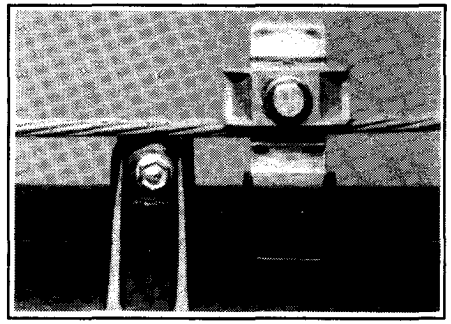


Step 3: Measure outward of the center of the pole 48 inches and make a 17 inch opening.



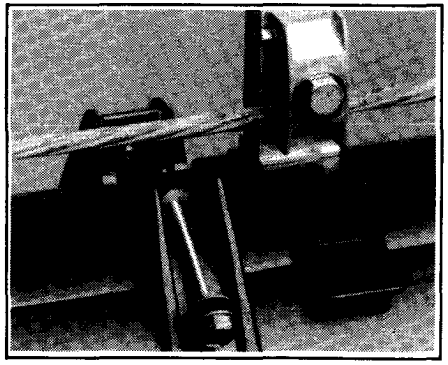
Step 4: The Strand Clamps on the closure should be loosened and turned 90 degrees from upright. Center the entire unit over the sheath opening, then turn the strand clamps back to their vertical positions.

NOTE: The strand always goes into the lower groove on back half of the strand clamp.

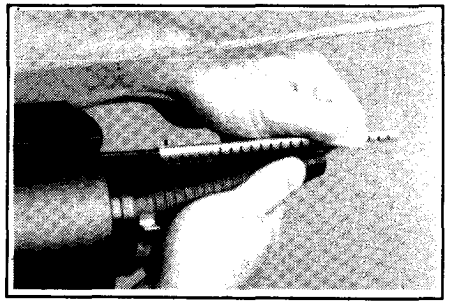


Rotate the front half, selecting the appropriate groove according to strand size. Firmly tighten the bolts.

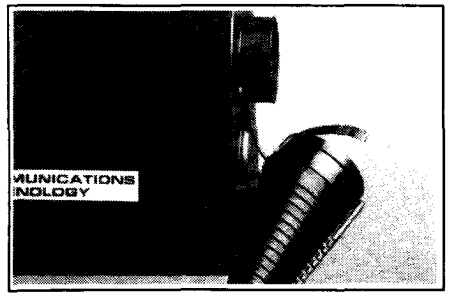
One important note: On self-supporting cable you do not have to remove the insulation from the strand. Because of the construction of the Hawk Strand Clamp, electrical contact will be made through the insulation.



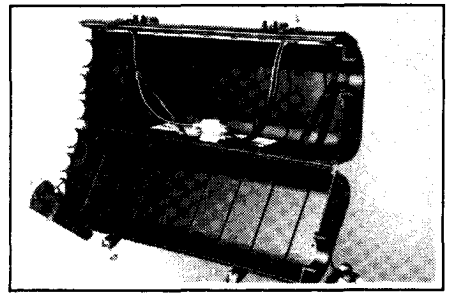
Step 5: Loosen the two tethered housing support bolts until completely out of its retaining nut.



Step 6A: Flip open the metal clips, and remove the sliders at each boot on the closure.

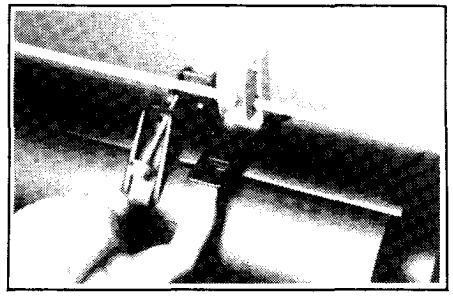


Step 6B: Spread the boots apart and let the boots fall away from the closure body by means of a plastic strap.

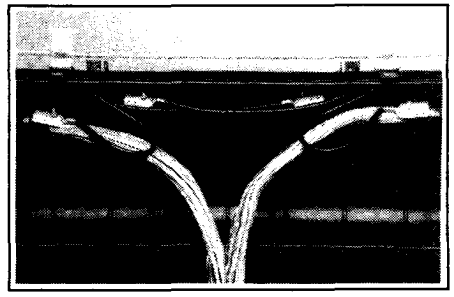


Step 7B: Slots located in the metal bond bar can be used to place cable ties to support the cable while performing splicing operation.

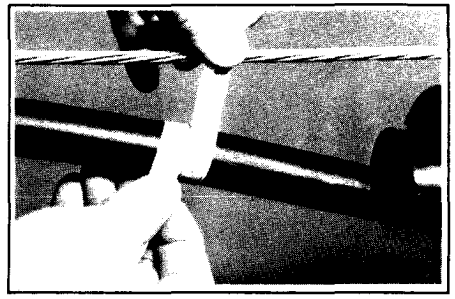
Step 9: Perform the necessary splice operation.



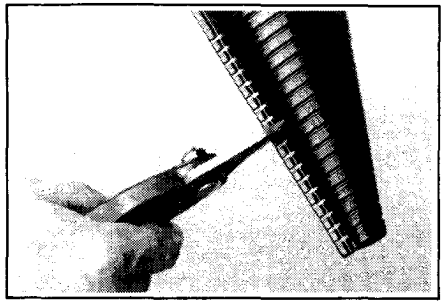
Step 7A: Lower the front housing assembly by lifting up on the two tabs located on the header section, thus exposing the splice compartment. If necessary, the rear housing assembly may be lowered by lifting up on the two tabs of the rear section.



Step 8: Install the bonding hardware that comes with the unit, and then install the drip collars on the sheath next to the bonding hardware.

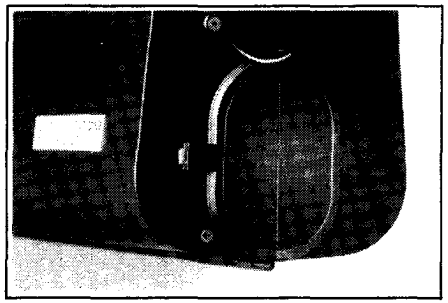


Step 10: Using the special diameter tape supplied with the unit, measure the cable diameter of each cable.



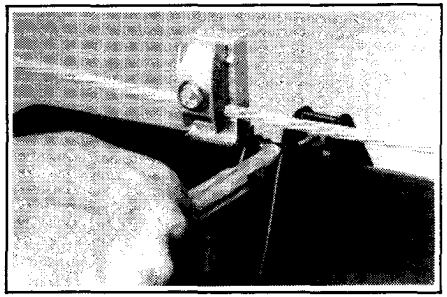
Step 11: The tapered boot is etched with 1/10th of an inch graduation to help find the mark where it can be cut to match the diameter of the cable. Trim the boot with tabbing shears or splicers snips at the number closest to that of the cable measurement. Leave the measured number showing.

NOTE: When installing closure at temperatures below +10 deg. F., tapered boots should be cut with a hack saw to prevent fracture.

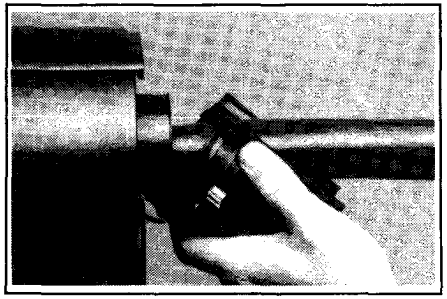


Step 12: Unused ports may be blanked off by removing the port by pressing down on port tab and removing. Replace with the provided blank plates. If the unused port boot is to remain, a boot cap can be inserted into the boot end to seal opening.

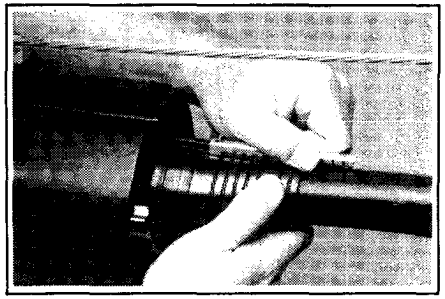
Step 13: Measure the length of the metal slider against the length of the boot — with the slider off the boot. Make sure that the slider tab is closest to the closure body. Use pliers to break the slider at the notch that best matches the length of the tapered boot. If the break creates a spur, tap the end off the slider with the pliers to eliminate it.



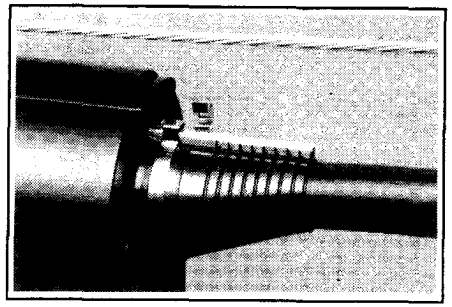
Step 14: Lift the housing assemblies back into place and ensure that the tabs are properly connected. Tighten both housing support bolts.



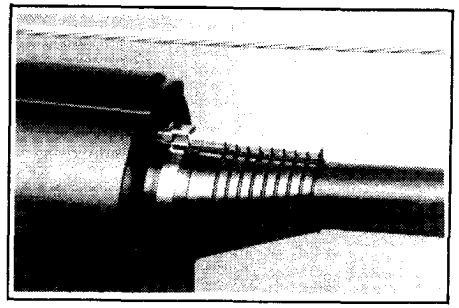
Step 15: At each port spread open the boot and place it around the cable, making sure that the base of the boot fits all the way back against the closure housing.



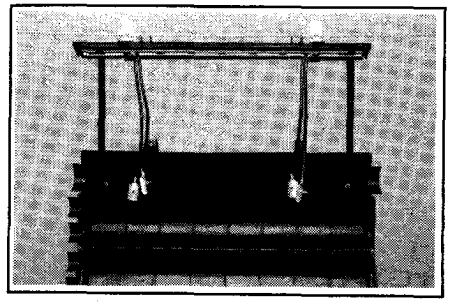
Step 16A: Put the slider in place, sliding it back until it butts against the housing.



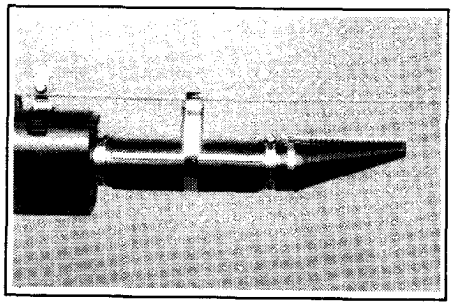
Step 16B: Snap the first half of the clamp — the part on the front side of the closure housing — in place over the slider.



Step 17: Snap the second section of the clamp — the section on the back side — over the slider. This part of the clamp will cover the first part.



Step 18: The headers of the multi-port Hawk are the same length which gives it the capability to increase to a larger size closure without interruption to the bonding system or to the splice configuration. Simply remove the entire closure body from the header unit and replace it with the appropriate size needed. Install the closure body as previously described.



Step 19: With the addition of the Aerial Extender Kit, the Hawk closure has an application in cable rehabilitation or cable pull-outs. The ten inch extender section may be connected to accomodate an unlimited sheath opening.