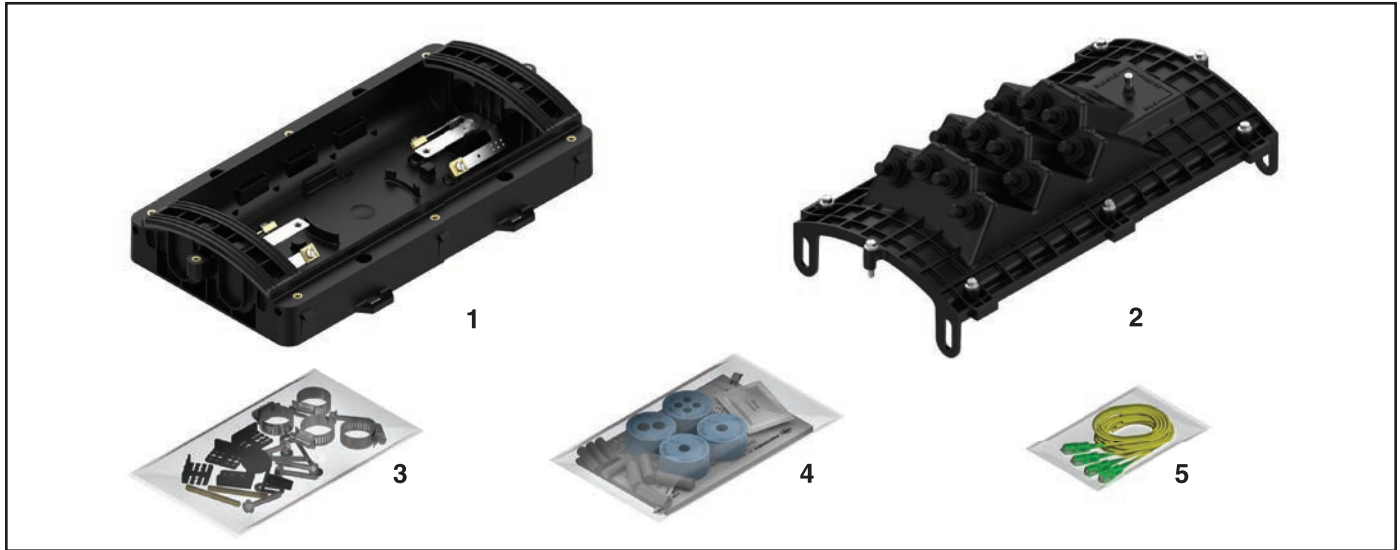




## COYOTE® Terminal Closure - Single Chamber

Be sure to read and completely understand this procedure before applying product.

Be sure to select the proper PREFORMED™ product before application.



### NOMENCLATURE

1. Base with End Caps - Standard Base Shown (1)
2. Terminal Cover - 12 Port Shown (1)
3. Small Parts Bag (1)
4. Grommet Kit - Includes 4 Grommets (1)
5. Pigtail Kit (1, 2, or 3)























### TOOLS REQUIRED

- 3/8" & 7/16" Can wrench or socket wrench
- Side Cutters
- Snips
- Fiber optic cable opening tools

COYOTE Splice Tray Capacity Chart for COYOTE Terminal Closures					
PLP Catalog Number	Description	Image	Splice Type	Max Trays per Closure	Closure Max Splice Capacity <sup>1</sup>
80809958	Short Low Profile LITE-GRIP® Splice Tray (24ct)		Single Fusion	4	96
80813152	Short Low Profile LITE-GRIP® Splice Tray (36ct)		Single Fusion	4	144
80808945	Short Deep Profile LITE-GRIP® Splice Tray (40ct)		Single Fusion	2	80
LGSTR144	Short Deep Profile LITE-GRIP® Splice Tray (144ct)		Ribbon/Mass Fusion	2	288

<sup>1</sup> To meet the stated splice tray and splice capacities, order a Drop Chamber Conversion Kit (Catalog Number 8003695).

COYOTE® Single Chamber Terminal Closure Kits				
Catalog No.	Cover Port Qty.	Adapter Qty.	Plug Qty.	Description
800012002	6	2	4	COYOTE Terminal Closure Kit - Includes 2 SC/APC Pigtails and Splice Tray
8006993		3	3	COYOTE Terminal Closure Kit - Includes 3 SC/APC Pigtails and Splice Tray
8006953		4	2	COYOTE Terminal Closure Kit - Includes 4 SC/APC Pigtails and Splice Tray
8006954		6	0	COYOTE Terminal Closure Kit - Includes 6 SC/APC Pigtails and Splice Tray
8006955	9	8	1	COYOTE Terminal Closure Kit - Includes 8 SC/APC Pigtails and Splice Tray
800012003		9	0	COYOTE Terminal Closure Kit - Includes 9 SC/APC Pigtails and Splice Tray
800061067	12	12	0	COYOTE Terminal Closure Kit - Includes 12 SC/APC Pigtails and Splice Tray
PLP Catalog Number	Description			
Accessory Kits for COYOTE Terminal Closures				
8003733	End Plate Kit - Includes (1) End Plate, (3) Bolts, and (1) Silicone Packet			
80807794	Hardware Bag Kit			
8003713	Express Bracket Kit - Includes (4) Express Brackets			
8003719	COYOTE In-Line RUNT Cover Kit			
8003862	Fiber Organizer Kit for Ribbon Fibers			
80805293	.135" (3.4mm) ID Transport Tube Kit - Includes (6) 34" long Transport Tubes for Single Fibers			
80806439	.25" (6.4mm) ID Transport Tube Kit - Includes (6) 34" long Transport Tubes for Ribbon or Single Fibers			
80807989	100ft. Roll of .17" (4.3mm) ID Transport Tubing for Ribbon or Single Fibers			
80807991	100ft. Roll of .25" (6.4mm) ID Transport Tubing for Ribbon or Single Fibers			
Mounting Brackets for COYOTE Terminal Closures				
8003797	Aerial Mounting Bracket Kit for Strand Applications			
8003864	Aerial Mounting Bracket Kit for ADSS Applications			
8003703	Pole/Wall Mounting Bracket Kit			
8003835	Hand Hole Mounting Bracket Kit			

COYOTE Grommet Chart for COYOTE Terminal Closures				
PLP Catalog Number	Cable Range Inches (mm)	Description	Image	Slitting Location
8003691	.40" - .60" (10.2 - 15.2mm)	1-entry grommet		
8003692	.60" - .85" (15.2 - 21.6mm)	1-entry grommet		
8003693	.85" - 1.0" (21.6 - 25.4mm)	1-entry grommet		
*8003694	1.0" - 1.25" (25.4 - 31.7mm)	1-entry grommet		
8003663	.42" - .60" (10.7 - 15.2mm)	2-entry grommet		
8004065	.250" - .312" (6.4 - 7.9mm)	4-entry grommet		
8003664	.30" - .43" (7.6 - 10.9mm)	4-entry grommet		
8003990	.50" - .60" (12.7 - 15.2mm) .125" - .25" (3.2 - 6.4mm) and flat drop	4-entry grommet		N/A
8003665	.125" - .25" (3.2 - 6.4mm) and flat drop	6-entry grommet		
8003676	.42" - .60" (10.7 - 15.2mm) .125" - .25" (3.2 - 6.4mm) and flat drop	7-entry grommet		
8004094	.093" - .125" (2.4 - 3.2mm)	8-entry grommet		
8003677	.125" - .25" (3.2 - 6.4mm) and flat drop	8-entry grommet		N/A

\*8003694: The COYOTE In-Line RUNT Closure and COYOTE Terminal Closures' maximum cable diameter range is 1.20"

## Base Preparation

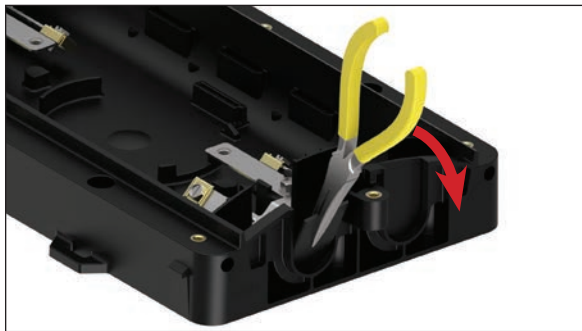
**Step #1** Remove the end plate caps from the base.



**Step #2** Determine which cable port tabs will need to be removed from the base and score the edges of each tab several times with a utility knife.

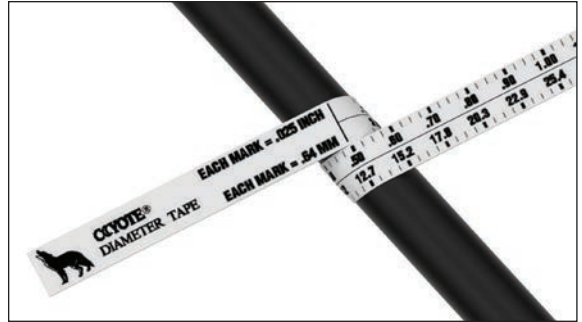


**Step #3** Remove each tab by pulling the tab outwards from the base with pliers.

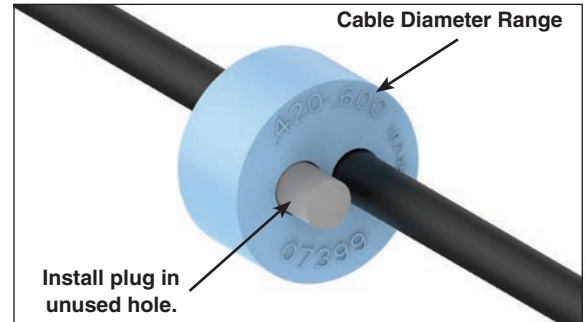


## Feed & Branch Cable Preparation

**Step #4** Measure the cable to determine the diameter and hole location to use in the grommet.



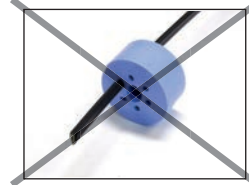
**Step #5** If using cut cable, insert the cable through the grommet. If your application requires express/balloon/ring cut cables, see Step 7 for the grommet slitting procedure.



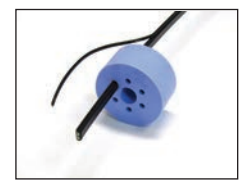
**Step #6** Installing Figure 8 Style Cables and Cables with Tracer Wires

Remove the tracer wire or ground wire from the portion of the cable that will be positioned in the grommet and insert the cable into the grommet. Remove any burrs left on the cable caused by separating the tracer wire from the sheath.

### Cable with Tracer Wire

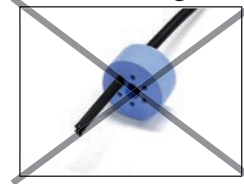


Not Correct Installation



Correct Installation

### Figure 8 Style Cable

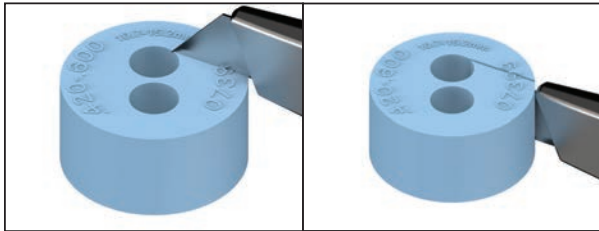


Not Correct Installation

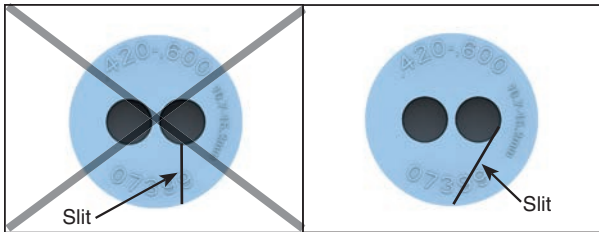


Correct Installation

**Step #7 Grommet Slitting** – If slitting is required, lay the grommet on a stable flat surface. Position the utility knife with the cutting edge against the top surface and cut through the grommet. **Consult the grommet chart on page 2 for slitting locations of all grommets.**



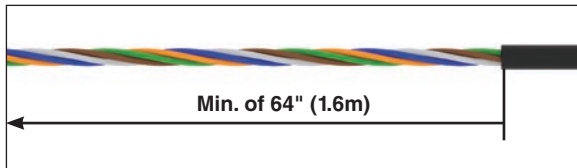
**PLP Tip:** Use a pen to sketch slitting lines on top surface of grommet prior to cutting.



Not Correct Slitting Angle

Correct Slitting Angle

**Step #8** Prepare the feed, branch, and/or drop cable(s) for cut applications.



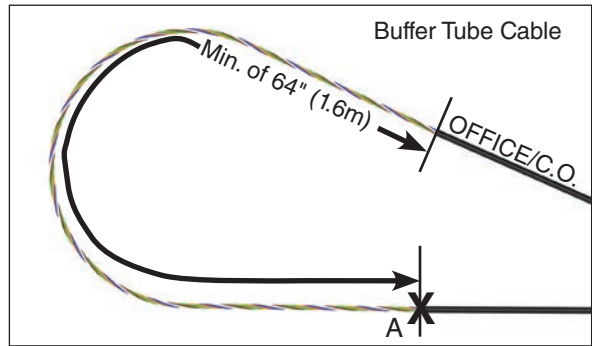
Minimum Sheath Opening for Cut Cable Applications

64"

1.6m

**NOTE:** Leave about 8" (203mm) of the cable strength member.

**Step #9a** Prepare the feed cable for mid sheath applications (Express/Balloon/Ring Cut).

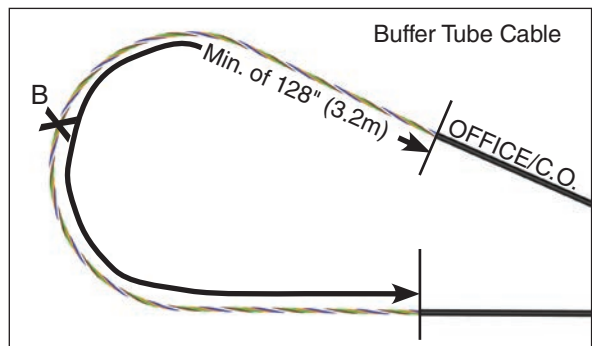


For Applications Where Fiber is Dedicated to the Splice Point

Configuration	Cut Location	Sheath Opening
Unitube/Ribbon Expressed (Mid-Sheath)	A	Min of 64" (1.6m)

**NOTE:** Leave about 8" (203mm) of the cable strength member.

**Step #9b** Prepare the feed cable for mid sheath applications (Express/Balloon/Ring Cut).

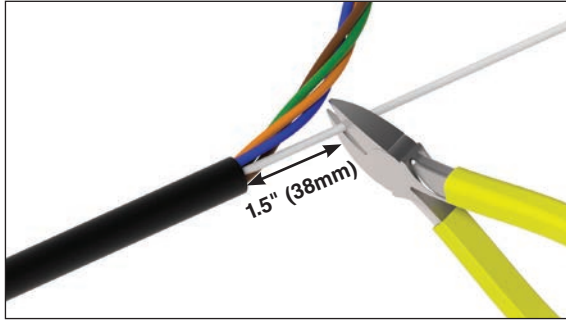


For Applications Where Fiber is NOT Dedicated to the Splice Point

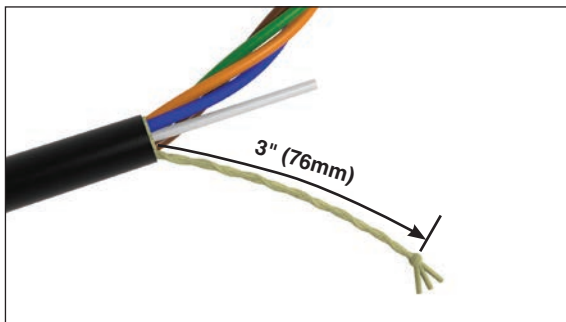
Configuration	Cut Location	Sheath Opening
Unitube/Ribbon Expressed (Mid-Sheath)	B	Min of 128" (3.2m)

**NOTE:** Leave about 8" (203mm) of the cable strength member.

**Step #10** Trim the cable strength members 1.5" (38mm) from the cable sheath opening.

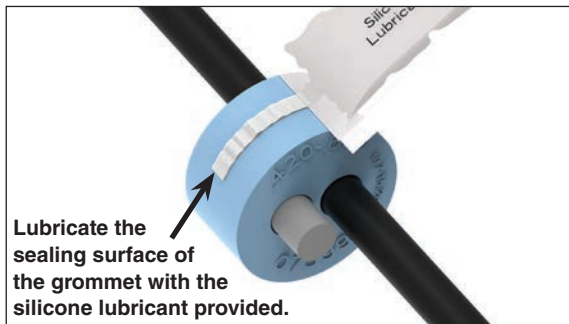


**Step #11** Braid roughly 3" (76mm) of the aramid yarn and knot the end of it.

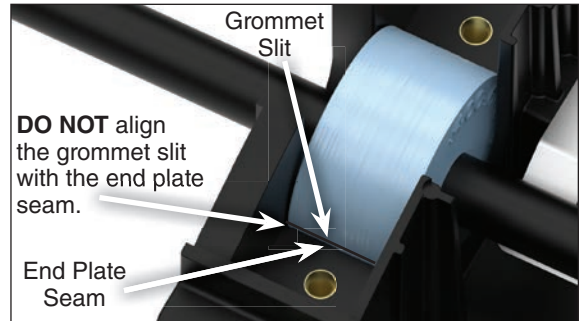
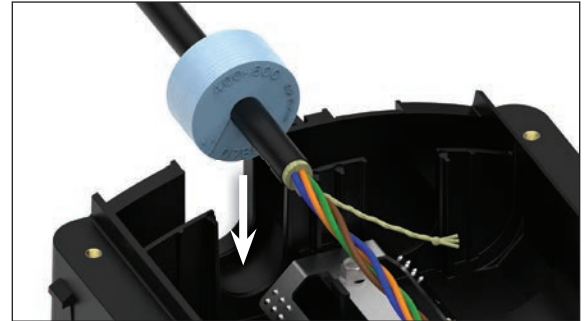


## Cable Grommet Installation

**Step #12** Lubricate the outer surface of each grommet. Spread the lubricant evenly around the outer surface.

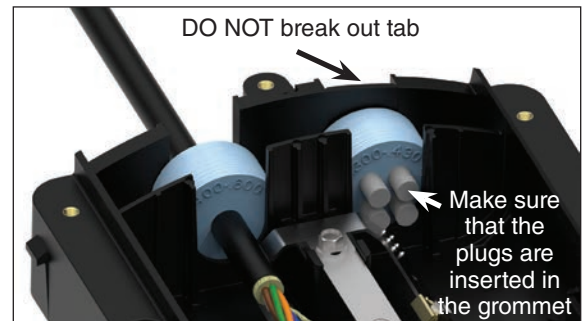


**Step #13a** Position the grommet in the slots of the base.



**Step #13b FOR IN-LINE APPLICATIONS**

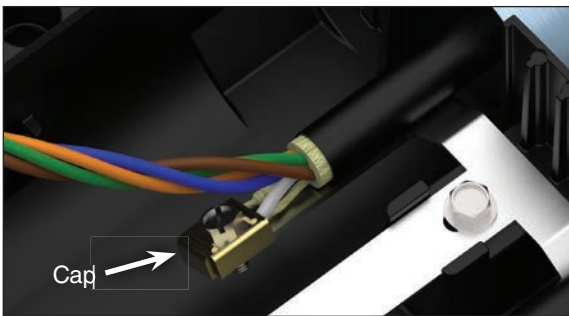
When only one cable port is being used at an end of the closure, **install a grommet with plugs inserted in it, in the unused cable port.** This will balance the load of the end plate cap. **NOTE: It is not necessary to break out the tab of the unused port.**



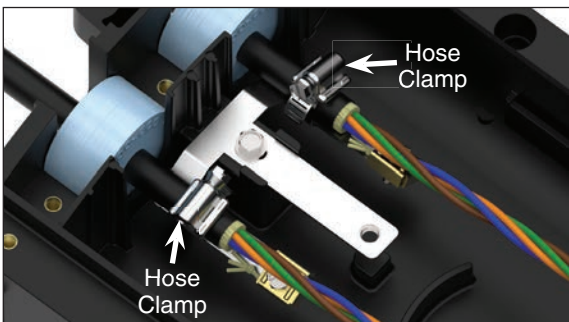
**Step #14** Bend each leg of the cable restraint brackets upward until they contact the cable(s).



**Step #15** Position the cable strength member under the cap of the cable restraint bracket. Wrap the braided aramid yarn around the screw, under the cap and tighten the cap down.



**Step #16** Secure the cables to the cable restraint brackets with the hose clamps provided.

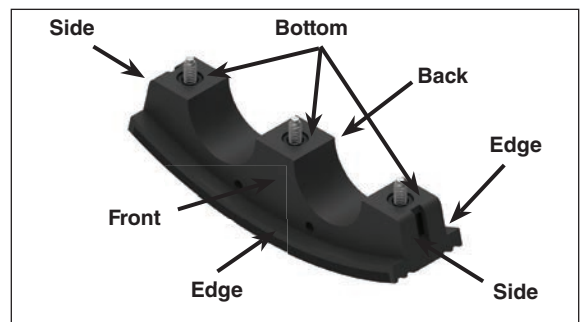


## End Plate Cap Installation

**Step #17** Screw the hex head cap bolts into each end plate cap.

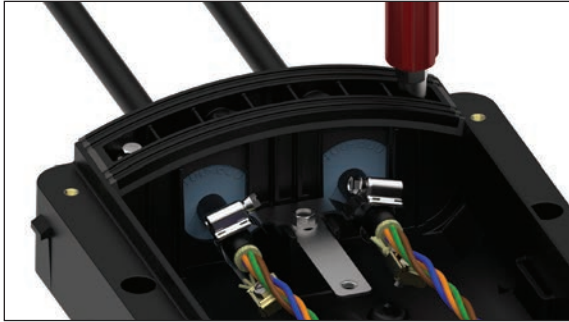


**Step #18** Lubricate the end plate caps with the silicone lubricant that is provided on the areas indicated below.



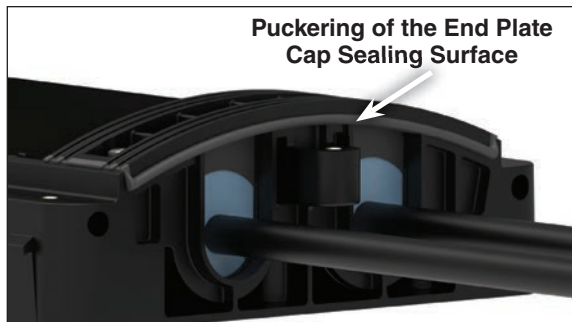
**Step #19a** Install the end plate caps in the pockets of the base. Tighten the bolts of each end plate cap evenly until the end plate cap is fully sealed.

**DO NOT USE POWER TOOLS TO TIGHTEN THE BOLTS.**



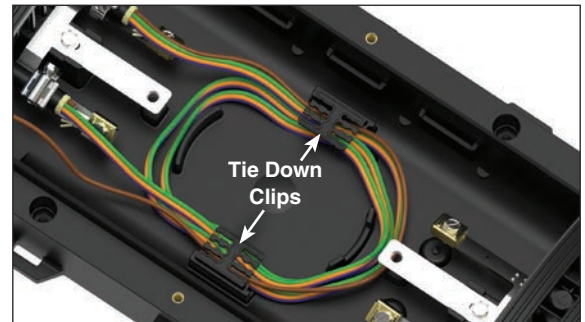
**NOTE:** When both cable ports are not being used at an end of the closure, it is not necessary to install grommets under the blank end plate cap.

**Step #19b** Check to see if the end plate caps are fully seated. The caps will be fully seated when puckering of the sealing surface occurs.

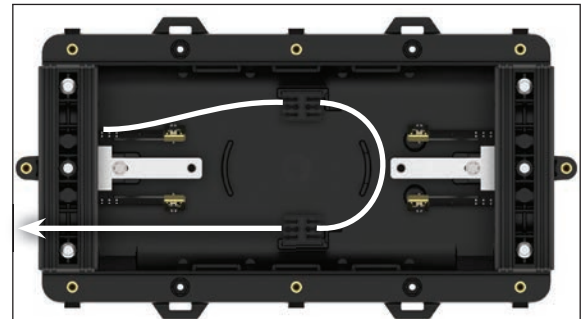


## Buffer Tube Routing

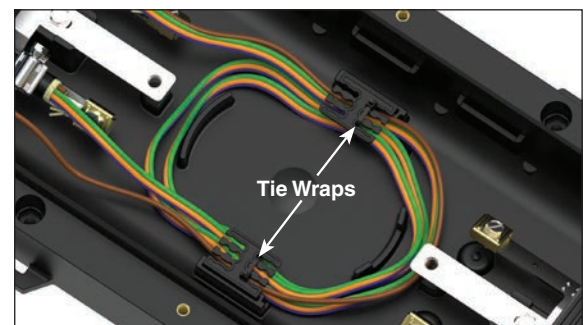
**Step #20** Install the tie down clips in the bottom of the base and route the expressed buffer tubes of the feed cable under the clips as shown below.



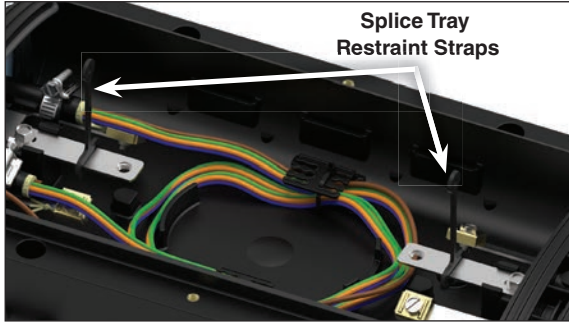
**Step #21** Route the feed buffer tube(s) with the fibers to be spliced under the tie down clip as shown below.



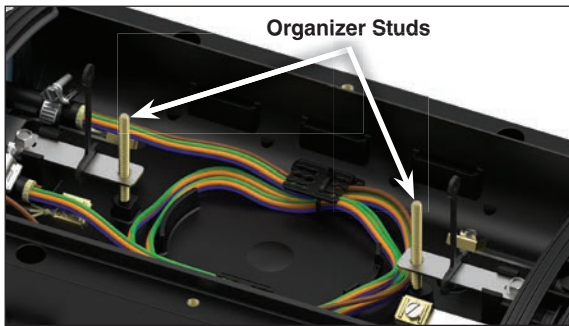
**Step #22** Secure all the buffer tubes under the tie down clips with tie wraps.



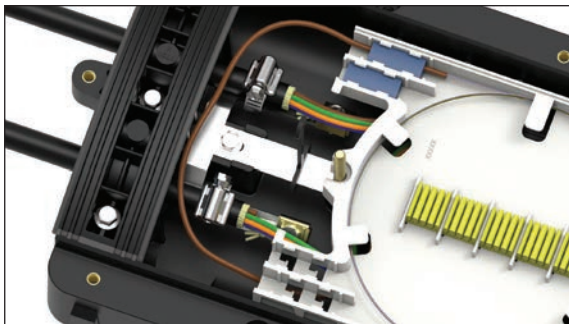
**Step #23** Install the splice tray restraint straps onto the cable restraint brackets.



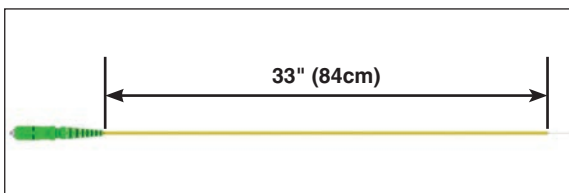
**Step #24** Install the organizer studs into the cable restraint brackets.



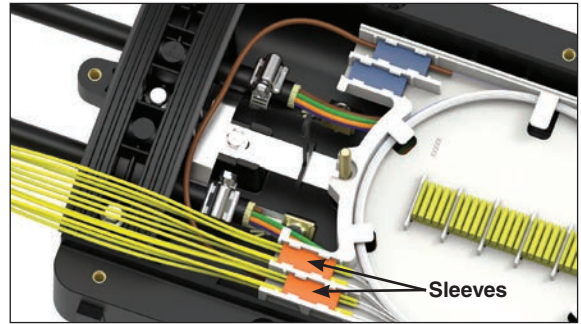
**Step #25** Place the splice tray onto the organizer studs and route the buffer tubes to the splice tray.



**Step #26** Measure and mark each pigtail as shown below. Remove the jacket of each pigtail beyond the marked location.



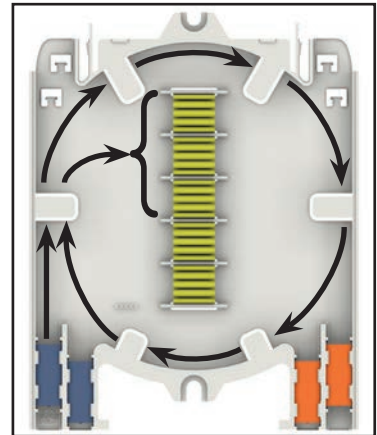
**Step #27** Install the pigtails into the LITE-GRIP® sleeves and install the sleeves into the channels of the splice tray.



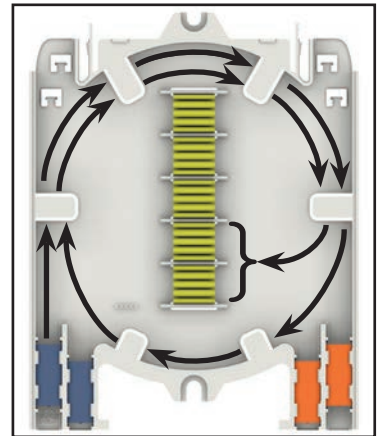
## Splice Tray Management

**Step #28** Route incoming fibers in the splice tray.

**Fibers  
1 - 12  
21 - 32**



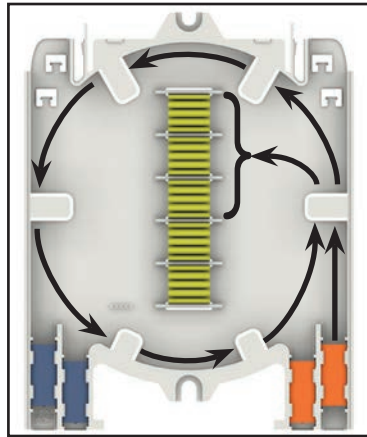
**Fibers  
13 - 20  
33 - 40**



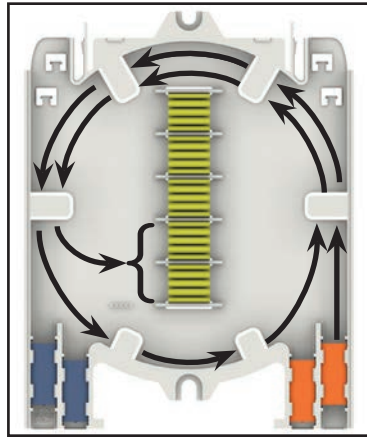


**Step #29** Route outgoing fibers in the splice tray.

**Fibers  
1 - 12  
21 - 32**

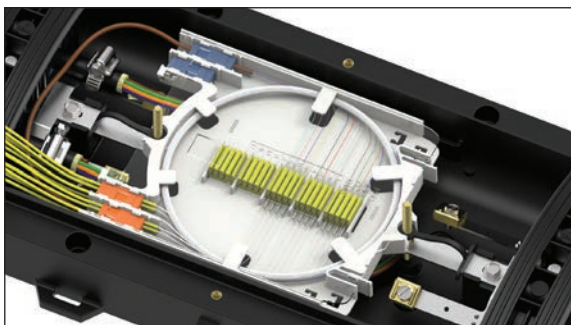


**Fibers  
13 - 20  
33 - 40**



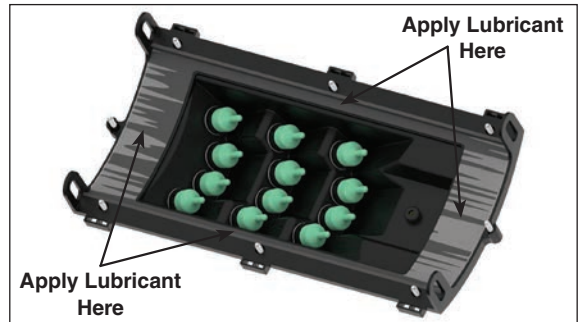
**Step #30** Splice the incoming fibers to the outgoing fibers per your accepted company practice.

**Step #31** Secure the splice tray with the splice tray restraint straps.

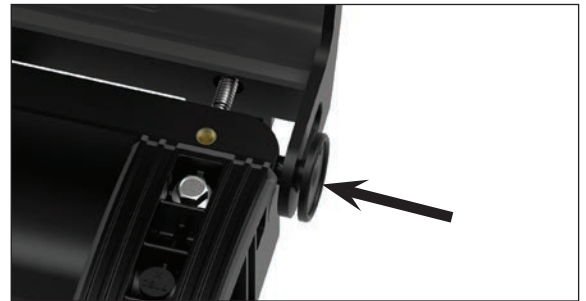


## Cover Installation

**Step #32** Lubricate the cover gasket with the silicone lubricant provided.

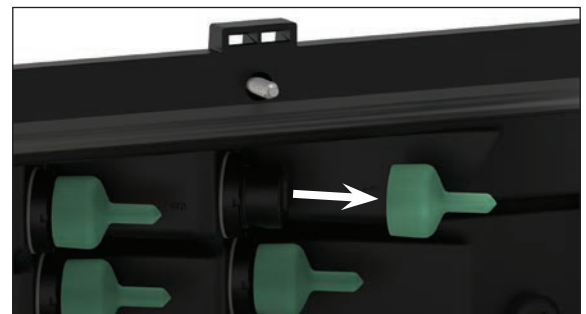


**Step #33** Attach the cover to the base with the hinge posts.



**NOTE:** Make sure that the hinge posts are installed on the opposite side from where the pigtails are exiting the splice tray.

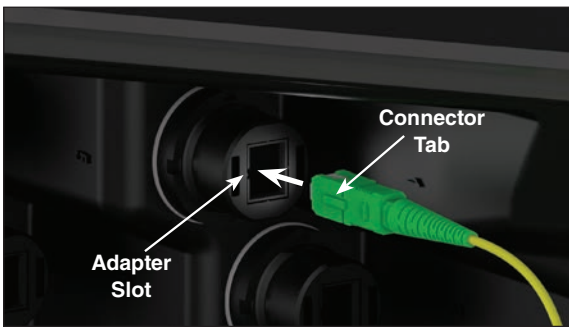
**Step #34** Remove the covers from the hardened adapters that will be used.



**Step #35** Route the pigtails to the hardened adapters of the cover as shown below and insert the connectors into the adapters.



**NOTE:** Make sure to align the tab of the connector with the slot of the adapter when inserting the connector into the adapter.

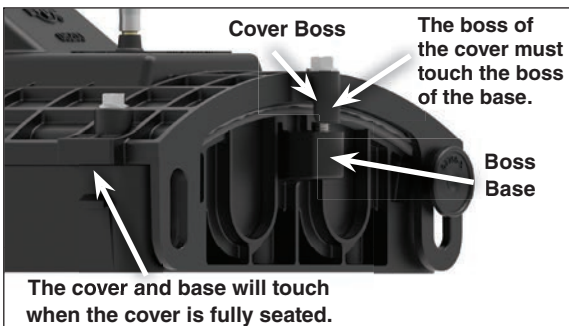


**Step #36** Secure the cover to the base by hand tightening the hex head bolts.

**DO NOT USE POWER TOOLS TO TIGHTEN THE BOLTS.**

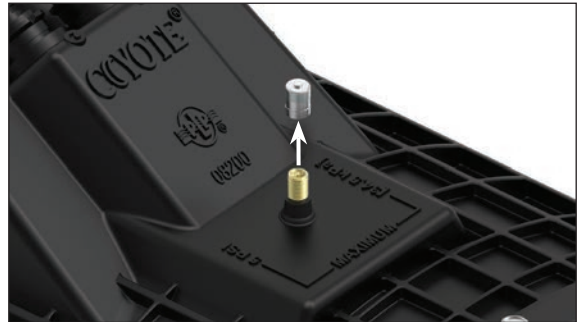


**Step #37** Retighten all of the bolts to ensure that the cover is fully seated on the base.



## Flash Test Procedure

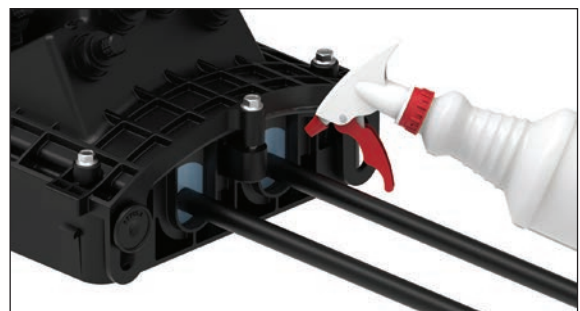
**Step #38** Remove the cap from the air valve of the cover.



**Step #39** Pressurize the closure up to a maximum of 5 psi.



**Step #40** Spray all of the sealing surfaces of the closure with soapy water to determine if there are any leaks.



**Step #41** Release the pressure in the closure using the bump on the top of the air valve cap.

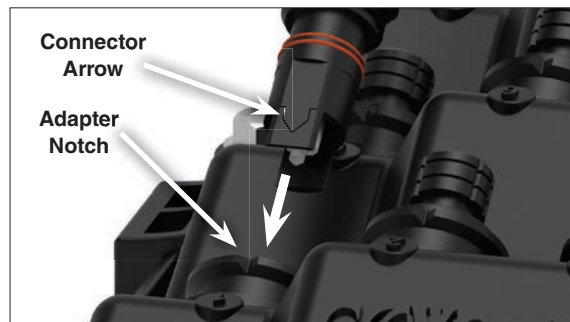


**Step #42** Install the cap back onto the air valve.



### Drop Cable Installation

**Step #43** Align the arrow of the connector with the notch of the adapter and insert the connector into the adapter.



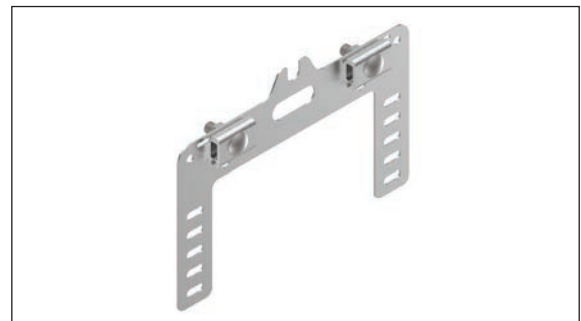
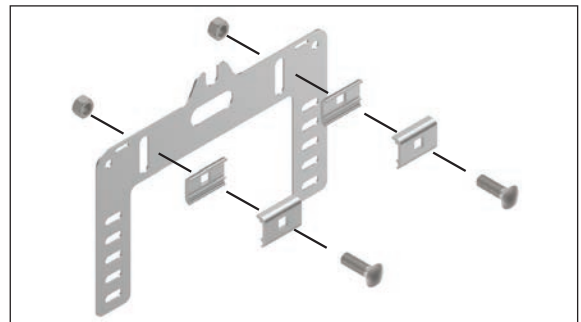
**Step #44** Rotate the threaded sleeve of the connector until it is secured into the adapter.



### Aerial Mounting Bracket Installation

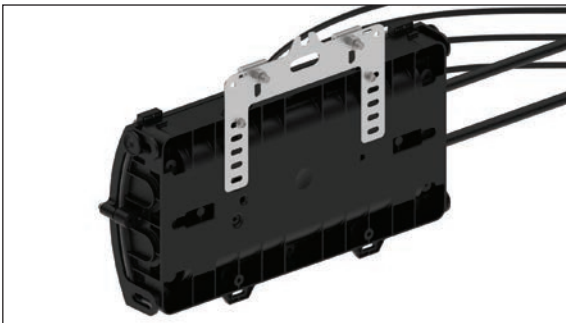
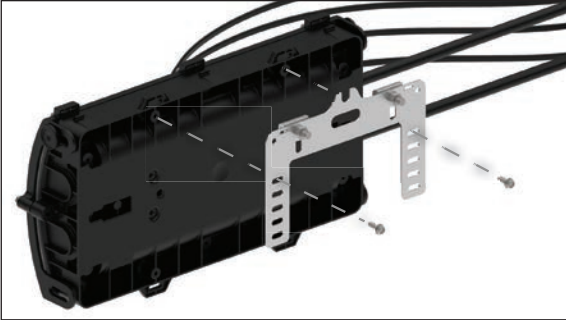
**Step #45** COYOTE® In-Line RUNT Strand Aerial Mounting Bracket Kit (PLP Cat.#: 8003797)

Assemble the bug nuts to the aerial bracket as shown below.



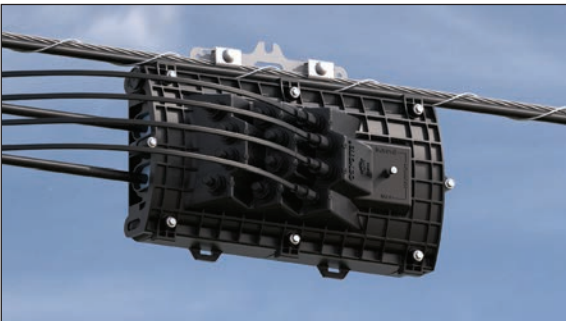
**Step #46 COYOTE® In-Line RUNT Strand Aerial Mounting Bracket Kit (PLP Cat.#: 8003797)**

Secure the aerial bracket to the bottom of the base with the self-tapping screws as shown below.



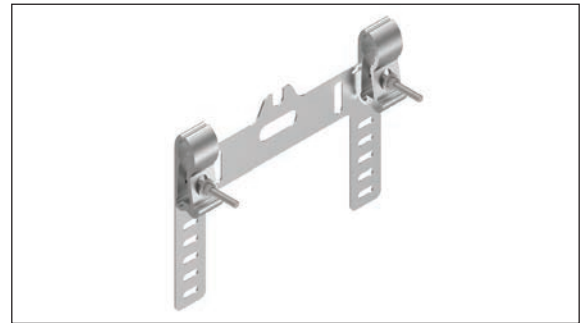
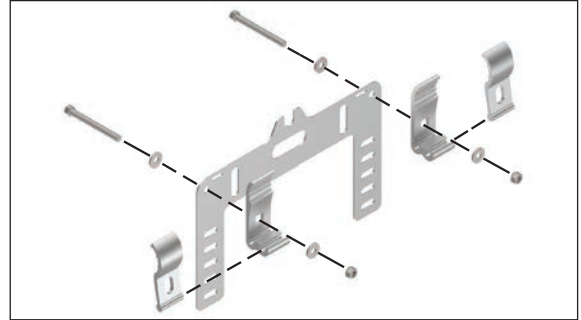
**Step #47 COYOTE® In-Line RUNT Strand Aerial Mounting Bracket Kit (PLP Cat.#: 8003797)**

Mount the closure to the strand with the bug nuts.



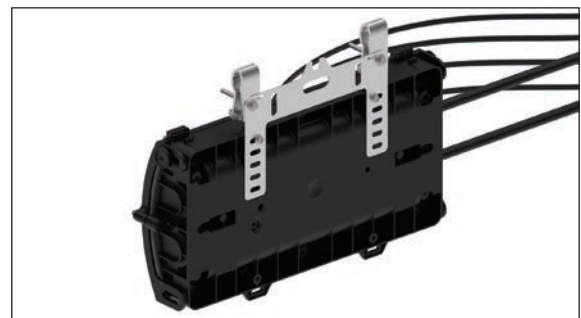
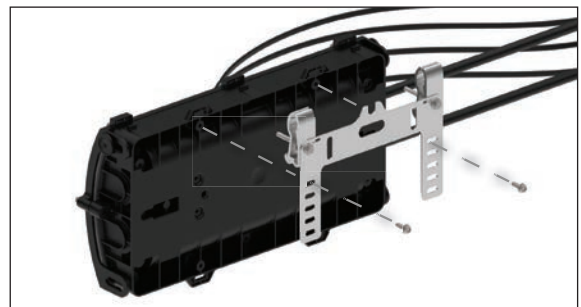
**Step #48 COYOTE® In-Line RUNT ADSS Aerial Mounting Bracket Kit (PLP Cat.#: 8003864)**

Assemble the ADSS clamps to the aerial bracket as shown below.



**Step #49 COYOTE® In-Line RUNT ADSS Aerial Mounting Bracket Kit (PLP Cat.#: 8003864)**

Secure the aerial bracket to the bottom of the base with the self-tapping screws as shown below.



**Step #50 COYOTE® In-Line RUNT ADSS Aerial Mounting Bracket Kit (PLP Cat.#: 8003864)**

Mount the closure to the dead-end with the ADSS clamps.



**Pole/Wall Mounting Bracket Installation**

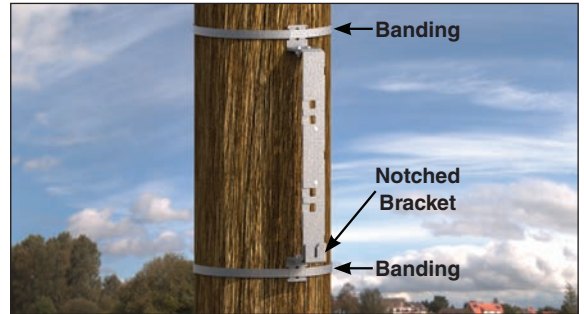
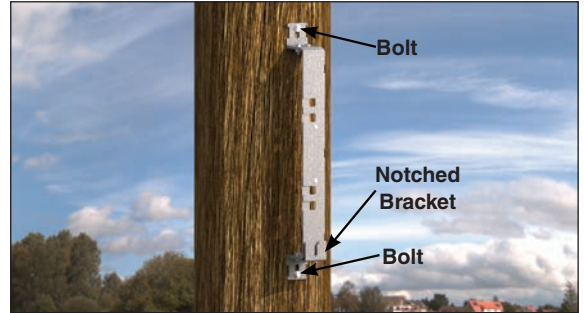
**Step #51 COYOTE® In-Line RUNT Pole/Wall Mounting Bracket Kit (PLP Cat.#: 8003703)**

Secure one of the notched brackets to the mounting bracket with the bolts and nuts provided.



**Step #52 COYOTE® In-Line RUNT Pole/Wall Mounting Bracket Kit (PLP Cat.#: 8003703)**

Secure the mounting bracket to the pole/wall with either bolts or banding per your company practice. Make sure that the notched bracket is located at the bottom of the mounting bracket when the bracket is being secured to the pole/wall.



**Step #53 COYOTE® In-Line RUNT Pole/Wall Mounting Bracket Kit (PLP Cat.#: 8003703)**

Slide the closure onto the notched bracket. Make sure that the notched bracket rests in the clearance pockets of the closure.



**Step #54 COYOTE® In-Line RUNT Pole/Wall Mounting Bracket Kit (PLP Cat.#: 8003703)**

Secure the remaining notched bracket to the top of the mounting bracket with the bolts and nuts provided. Make sure that the notched bracket rests in the clearance pockets of the closure.



**Step #55 COYOTE® In-Line RUNT Pole/Wall Mounting Bracket Kit (PLP Cat.#: 8003703)**

Completed installation of pole/wall mounting bracket shown below.



**Hand Hole Mounting Bracket Installation**

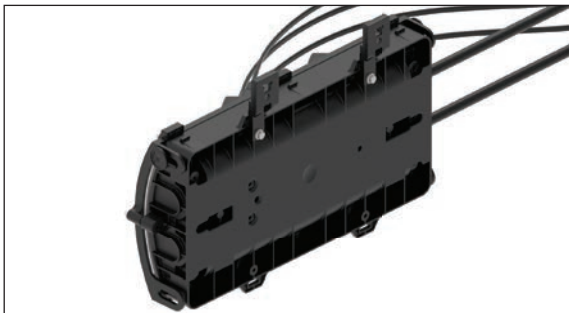
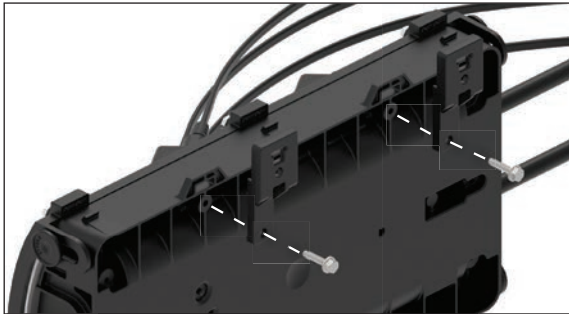
**Step #56 COYOTE® In-Line RUNT Hand Hole Mounting Bracket Kit (PLP Cat.#: 8003835)**

Secure the universal mounting bracket to the inner wall of the hand hole with the 2 screws provided.



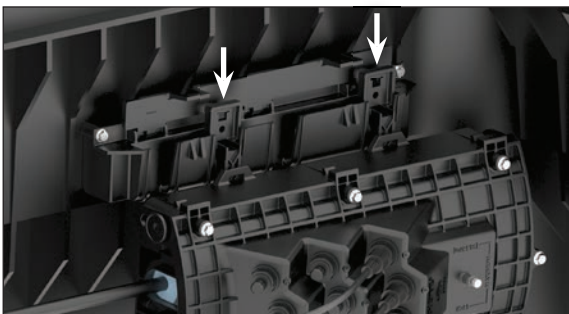
**Step #57 COYOTE® In-Line RUNT Hand Hole Mounting Bracket Kit (PLP Cat.#: 8003835)**

Secure the hanger brackets to the bottom of the base with the self-tapping screws as shown below.



**Step #58 COYOTE® In-Line RUNT Hand Hole Mounting Bracket Kit (PLP Cat.#: 8003835)**

Slide the hanger brackets into the proper slots of the universal mounting bracket and snap the hinged cover of the universal mounting bracket into place to secure the hanger brackets.



## **SAFETY CONSIDERATIONS**

This application procedure is not intended to supersede any company construction or safety standards. This procedure is offered only to illustrate safe application for the individual. **FAILURE TO FOLLOW THESE PROCEDURES MAY RESULT IN PERSONAL INJURY OR DEATH.**

**Do not modify this product under any circumstances.**

This product is intended for use by trained technicians only. **This product should not be used by anyone who is not familiar with, and not trained to use it.**

When working in the area of energized lines, extra care should be taken to prevent accidental electrical contact. Be sure to wear proper safety equipment per your company protocol.

For proper performance and personal safety, be sure to select the proper size PREFORMED™ product before application.

PREFORMED products are precision devices. To ensure proper performance, they should be stored in cartons under cover and handled carefully.



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