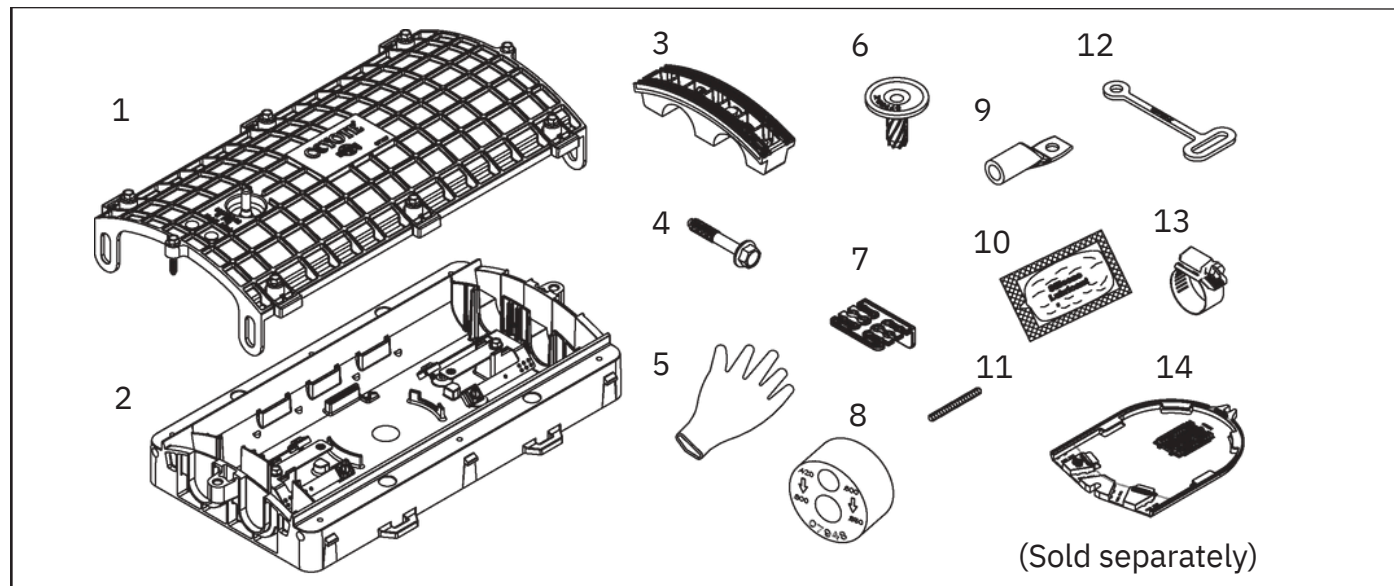# COYOTE® In-Line RUNT Closure, Hermetically Sealed

Be sure to read and completely understand this procedure before applying product. Be sure to select the proper PREFORMED product before application.

(Sold separately)

NOMENCLATURE:

1. Cover with air valve hole plug
2. Base with organizer
3. End plate cable cap (2)
4. End plate cap bolt (6)
5. Disposable glove
6. Hinge plug (2)
7. Tie-down clip (4)

8. Cable Grommets (4)
9. Screw-on terminal lug (2)
10. Silicone lubricant (4 - five gram pks)
11. Organizer stud (2)
12. Tray hold-down strap (2)
13. Hose clamp (4)
14. 12-ct splice tray (sold separately)

TOOLS REQUIRED:

- 3/8" & 7/16" Can wrench or socket
- 1/4" Nut driver or screwdriver
- Snips
- Fiberoptic cable opening tools

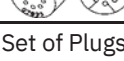| Capacities				
Splice Tray Catalog No.	Description	Splices per tray	Trays for Closure	Splice capacity
80807701 Low Profile	Single Fusion	12	4	48
80806033 Standard	Single Fusion or Mechanical	12	2	24
80808945	LITE-GRIP® Single Fusion (Full Block Set)	40	2	80
LGSTR144	LITE-GRIP® Ribbon	72	2	144

COYOTE In-Line RUNT Closure Kits	
Catalog Number	Description
8006951	COYOTE In-Line RUNT Closure Kit, Hermetically Sealed
8006952	COYOTE In-Line RUNT Closure Kit, Free Breathing
80061004	COYOTE In-Line RUNT Express Hermetically Sealed
80061049	COYOTE In-Line RUNT, Flame Retardant

| COYOTE Grommet Chart For use in COYOTE Dome, In-Line RUNT, Taut & Terminal Closures			
PLP Catalog Number	**Cable Range Inches (mm)**	**Description**	**Splitting Location**
8003701	.42 - .85 (11 - 22 mm)	2-entry grommet	
8003691	.42 - .60 (11 - 15 mm)	1-entry grommet	
8003692	.60 - .85 (15 - 22 mm)	1-entry grommet	
8003693	.85 - 1.0 (22 - 25 mm)	1-entry grommet	
8003694	1.0 - 1.25 (25 - 32 mm)	1-entry grommet	
8003663	.42 - .60 (11 - 15 mm)	2-entry grommet	
8003664	.30 - .43 (8 - 11mm)	4-entry grommet	
8003990	.50 - .60 (12.7 - 15.2) .125 - .25 (3.2 - 6.4) and flat drop	4-entry grommet	
8003989	Flat Drop Only	4-entry grommet	
8003665	.125 - .25 (3 - 6 mm)	6-entry grommet	
8003676	.42 - .60 (11 - 15 mm) .125 - .25 (3 - 6 mm)	7-entry grommet	
8003677	.125 - .25 (3 - 6 mm)	8-entry grommet	

NOTE: Grommet Kit contains (1) Grommet, (1) Cable Measure Tape, (2) Silicone Lubricant Packs, (1) Set of Plugs & (1) Glove

COYOTE In-Line RUNT Accessories	
Catalog Number	**Description**
Splice Tray Kits	
80807701	12-Count Low Profile Splice Tray with plastic splice block - single fusion
80806033	12-Count Standard Splice Tray with elastomeric splice block - single fusion & mechanical
80807114	72 Count Ribbon Splice Tray with elastomeric splice block - mass fusion
80807769	Blank Low Profile Splice Tray - no splice block
Miscellaneous Accessory Kits	
8003733	End Plate Kit - includes (1) end plate, (3) fasteners, (1) silicone pack
80807794	Hardware Bag Kit
8003713	Express Bracket Kit - includes (4) express brackets
8003719	COYOTE In-Line RUNT Cover Kit
80805293	Transport Tube Kit .135" ID: includes (6) 34" long transport tubes - for single fibers
80806439	Transport Tube Kit .25" ID: includes (6) 34" long transport tubes - for ribbon or single fibers
80807989	Transport Tube 100' reel 0.170" ID - for ribbon or single fibers
80807991	Transport Tube 100' reel 0.25" ID - for ribbon or single fibers
Mounting Hardware Kits	
8003703	Pole/Wall Mount Bracket Kit for In-Line RUNT and Terminal Closure (single or dual chamber)
8003704	Aerial Hanging Bracket Kit for COYOTE In-Line RUNT and Terminal Closure (single chamber)
8003797	
8003706	Swing Arm Bracket for COYOTE In-Line RUNT and Terminal Closures (single or dual chamber)
8003714	Pedestal Mounting Bracket - for In-Line RUNT and Terminal Closure, Emerson PR012 pedestal only

**Step #1** With a knife, score the tab to be removed several times around its edges pr ior to breaking out.
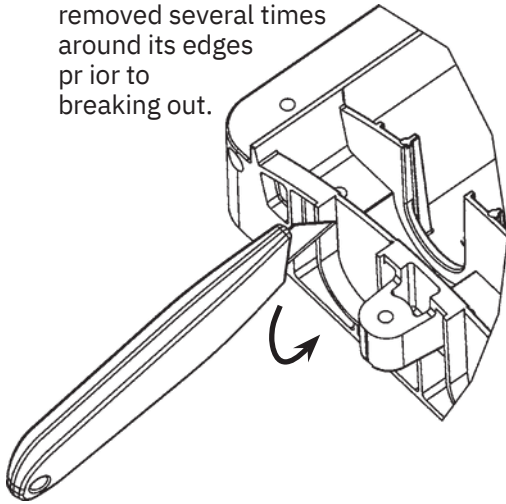
Step #2 Gr ip the tab with pliers and rotate out ward to break the tab away from the base.
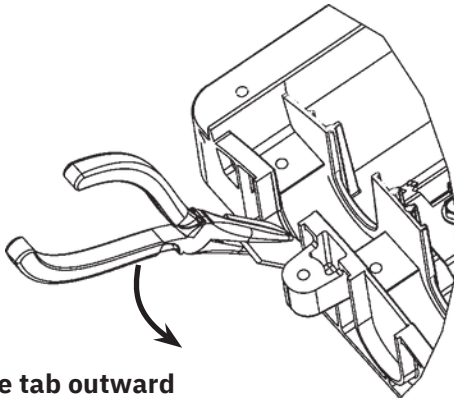
Rotate tab outward as shown above.
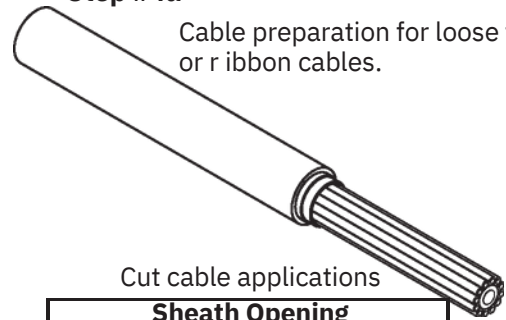
Step #3

Mark cable for sheath opening.

1.75" (45 mm)

Lay cable into entr y por ts and mark for grommet and sheath opening locations.
PLP Tip: Hole in strength member bracket is a guide for sheath opening.
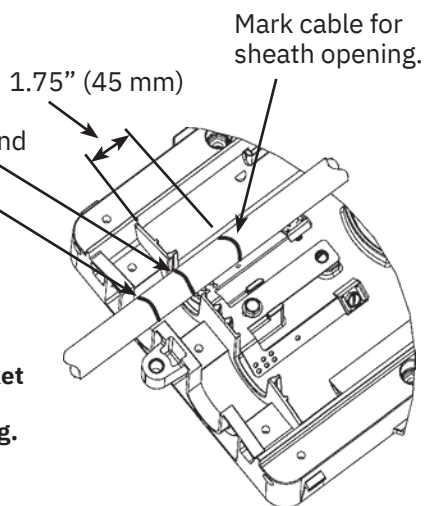
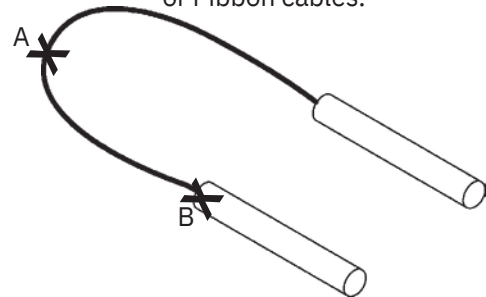**Step #4a** Cable preparation for loose tube or r ibbon cables.

Cut cable applications

Sheath Opening	
64"	1.6 m

PLP Tip:
Leave about 8" (203 mm) of strength member to trim later.
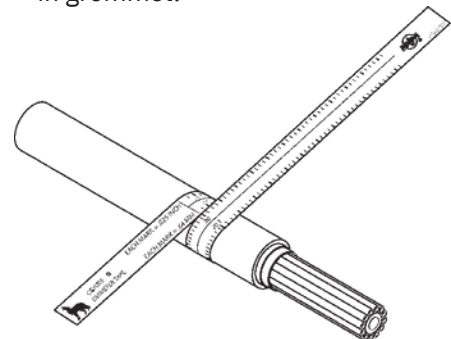
Step #4b Cable preparation for loose tube or r ibbon cables.

A

B

Mid sheath (Express) Applications

| Sheath Opening		
Cut Location A	128"	3.2 m
Cut Location B	64"	1.6 m

**Step #5** Measure cable to determine diameter and hole location to use in grommet.

Note:
Define the grommet ranges using a single cable or 2 cables.

Step #6 If using cut cable, insert cable through grommet. If your application requires express cables, **see Step 7 for grommet slitting procedure**.
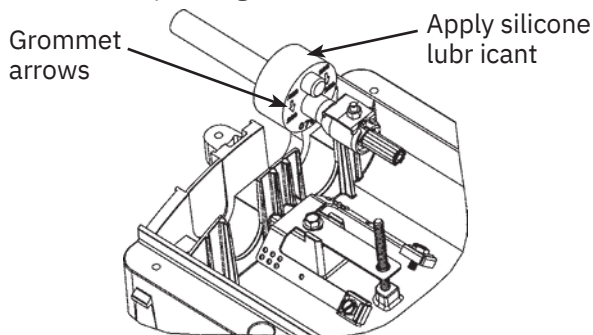
Install plug in unused por t.

Diameter range top hole.

Diameter range bottom hole.
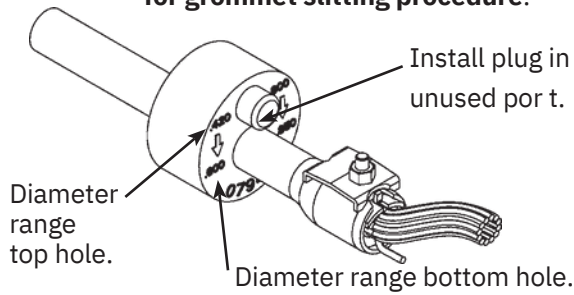
Step #7 **Grommet Slitting** - If slitting is required, lay grommet on a stable flat surface. Position utility knife with the cutting edge against the top surface and cut through grommet. **Consult grommet chart on page 2 for slitting locations of other grommets.**
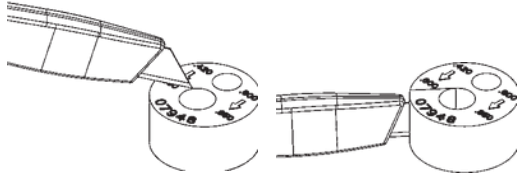
PLP Tip: Use a pen to sketch slitting lines on top surface of grommet prior to cutting.

Step #8a **Grommet Installation.**
Apply silicone lubricant to outside surface of grommet. Orient grommet so grommet arrows are pointing downward as shown.

Grommet arrows

Apply silicone lubr icant

Step #8b **FOR IN-LINE APPLICATIONS - Shown in Step #8d**

When only one entry port is being used at each cable cap, **INSTALL A GROMMET IN THE UNUSED PORTS WITH THE PLUGS INSERTED INTO THE GROMMET.** This will balance the cable cap load. **IT IS NOT NECESSARY TO BREAK OUT THE TAB OF THE UNUSED PORT.**


Step #8c **FOR BUTT APPLICATIONS**
When both entry ports are being used at one cable cap and no cables are exiting the opposite end of the closure, **IT IS NOT NECESSARY TO INSTALL THE EXTRA GROMMETS UNDER THE BLANK CABLE CAP.**

Step #8d Bend cable restraint bracket upward until it contacts cable.

Apply silicone lubr icant.
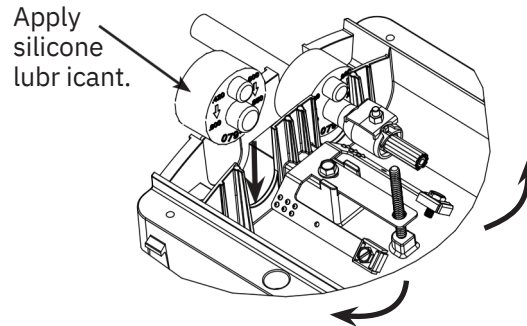
IF ONLY ONE CABLE ENTRY IS BEING USED, install additional grommet in unused port using grommet plugs, but **DO NOT BREAK OUT TAB ON UNUSED PORTS**. This will balance the cable cap load.
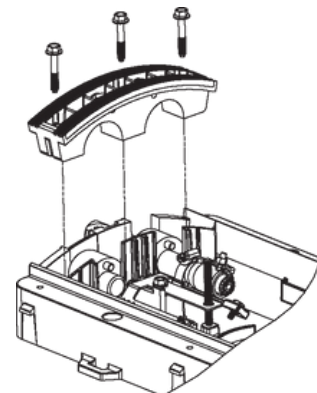

Step #9 Lubr icate the cable cap with the silicone lubr icant provided.
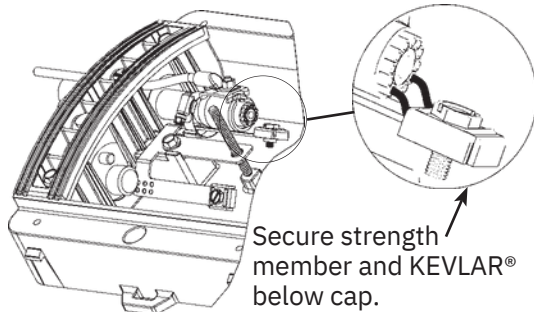
SURFACES TO BE LUBRICATED
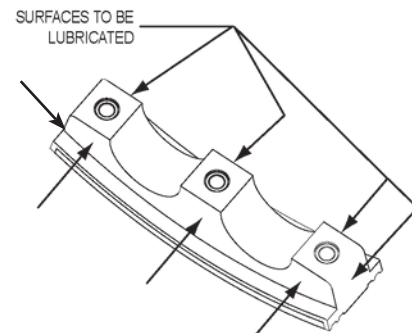
Step #10 Install end plate cable caps and secure with 3 hex bolts.

Note:
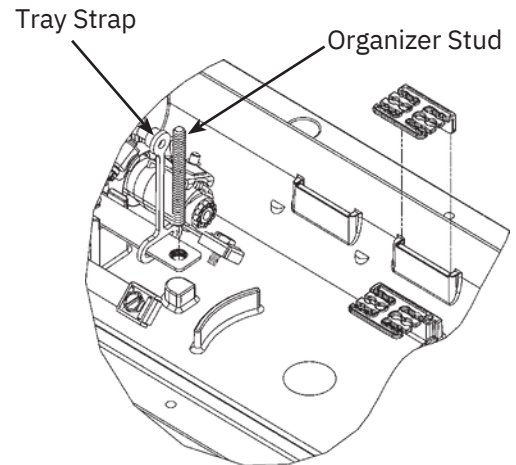Tighten bolts evenly until cable cap is fully seated. Repeat step at each end plate location.

Step #11 Secure cable sheath with hose clamp. Repeat for all cables.

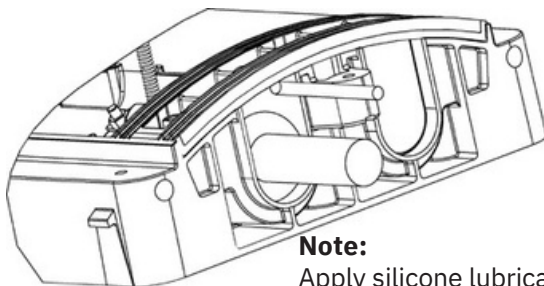Secure strength member and KEVLAR® below cap.

PLP Tip: If ground isolation is required, wrap 2 layers of vinyl tape around the strength member and cable prior to installing the hose clamp.

Step #12 If required, puncture surface of ground wire hole in end plate cable cap and insert #6 solid, jacketed ground wire.

Note:
Apply silicone lubricant to surface of ground wire to ease insertion into end plate.

Step #13 Install screw-on terminal lug on end of ground wire and attach to shield connector.

Step #14 Install organizer studs and tie down clips. (Isometric)

Tray Strap

Organizer Stud

Step #15 Measure and mark the buffer tube.

41" (66 mm) from cable opening

Apply blue felt strip
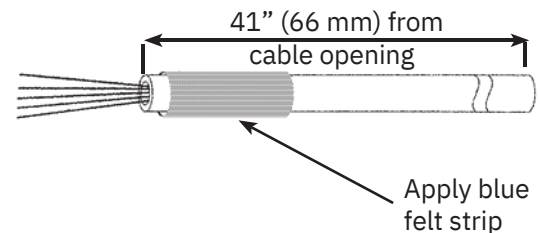
Open and clean fiber per your accepted company practice.
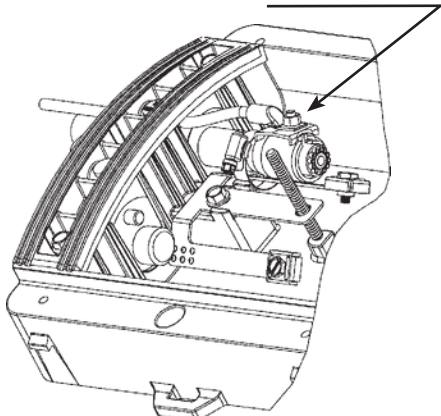
Step #16 Route buffer tubes or ribbon fiber to be spliced once around the storage area to one corner.
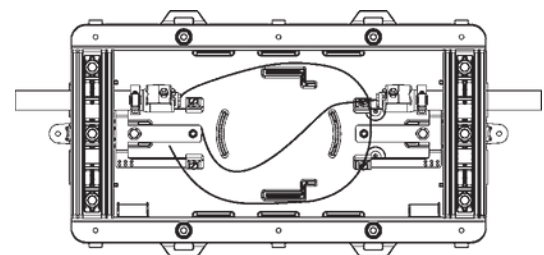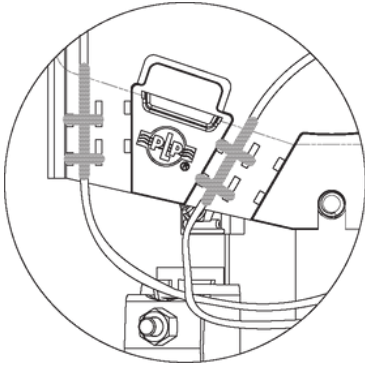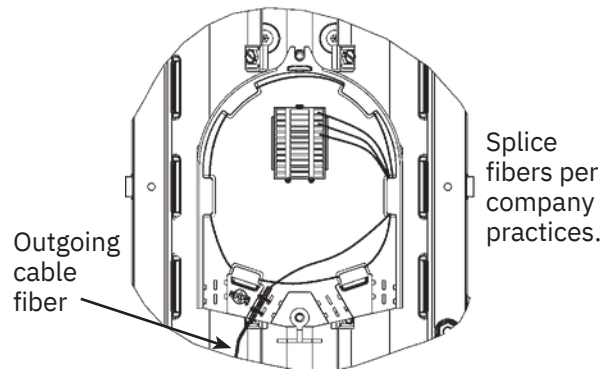
In-Line Application
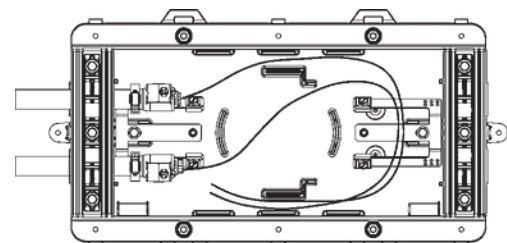
Butt Application

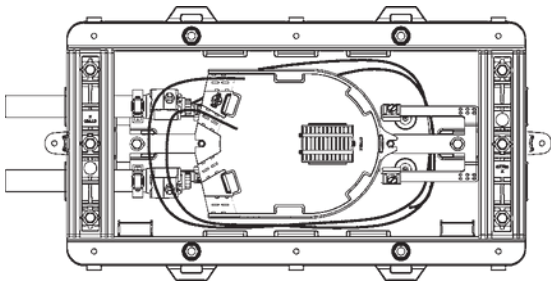**Step #17** Secure the buffer tubes or transport tubing with tie wraps.

PLP Tip:
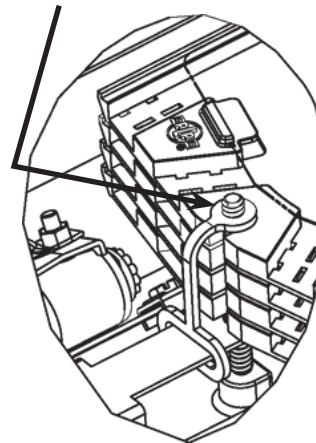**Install tie wraps in splice tray before placing them on the threaded studs.**

Step #18 Install splice tray on threaded studs.

Step #19 Route incoming cable fibers at least 1-1/2 times around splice tray and into splice block.

Incoming cable fiber
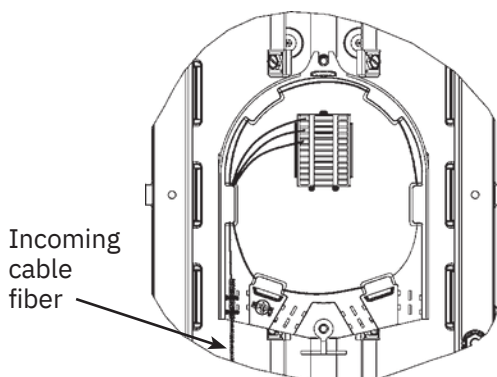
Step #20 Route outgoing cable fibers at least 1-1/2 times around splice tray and into splice block.

Outgoing cable fiber

Splice fibers per company practices.

Step #21 Secure splice tray(s) with hold-down straps.
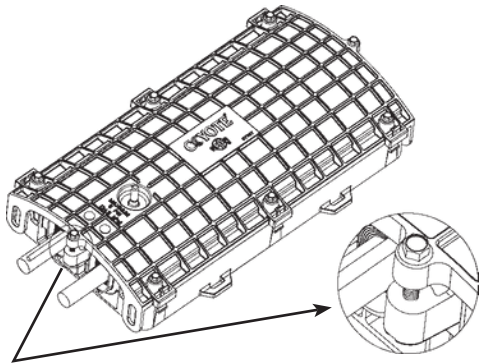

Step #22 Apply silicone lubricate to cover surfaces before installing.
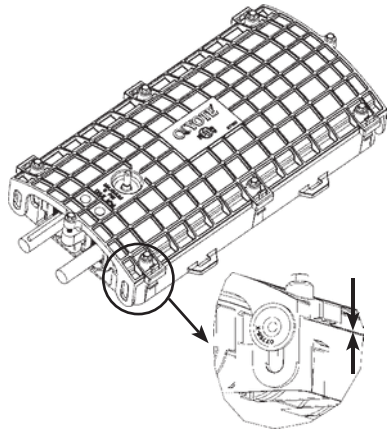
Apply silicone lubricant.
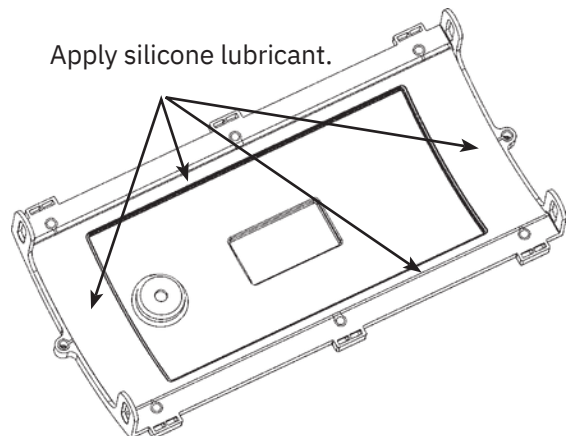
Step #23 Install cover and tighten eight bolts evenly with can wrench until cover is fully seated on base.
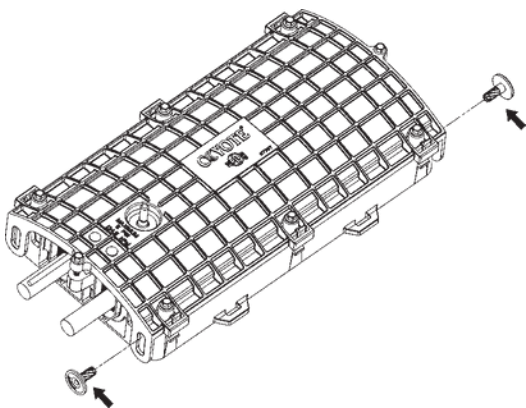
Do not overtighten end bosses.

Step #24 Retighten all bolts with can or socket wrench to insure cover is fully seated on the base.

Use air valve to flash test to 5 psi (34 KPa) maximum.

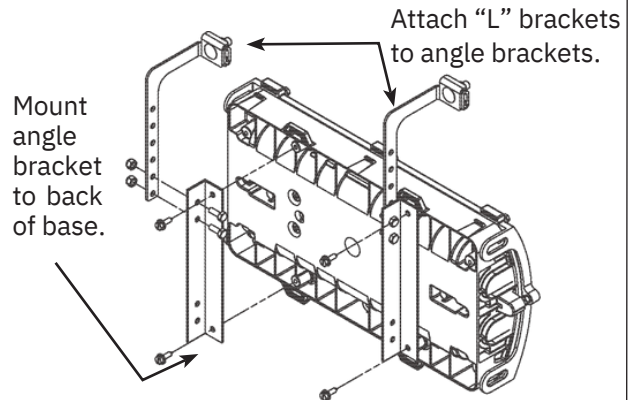Cover and base surfaces will touch when fully seated.

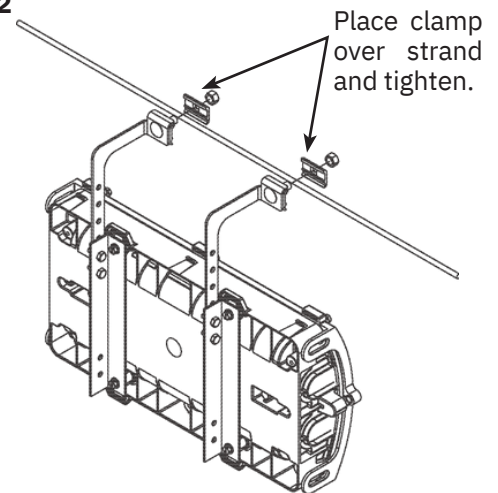**Step #25** Create optional hinge on cover by pushing hinge pins into opposite cor ners.

Mounting Hanger Bracket Options

Aerial Hanger Bracket

Step #1 Requires Aerial Hanger Bracket Kit PN: 8003704.

Attach "L" brackets to angle brackets.

Mount angle bracket to back of base.

Step #2

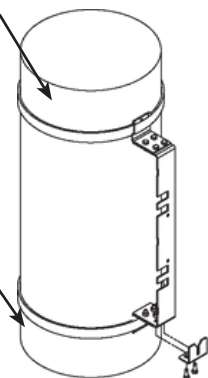Place clamp over strand and tighten.

Pole/Wall Mount Bracket
Requires Pole/Wall Mount Bracket Kit PN:8003703.
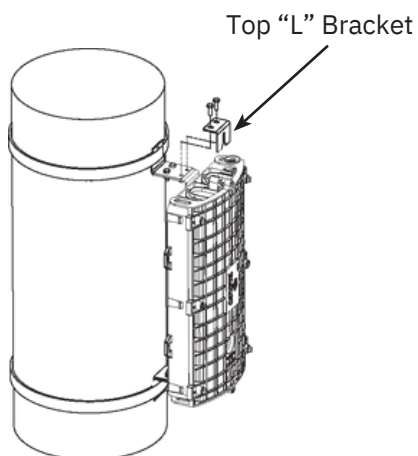
Step #1
Mount main bracket to pole using strap or bolt per your company practice.

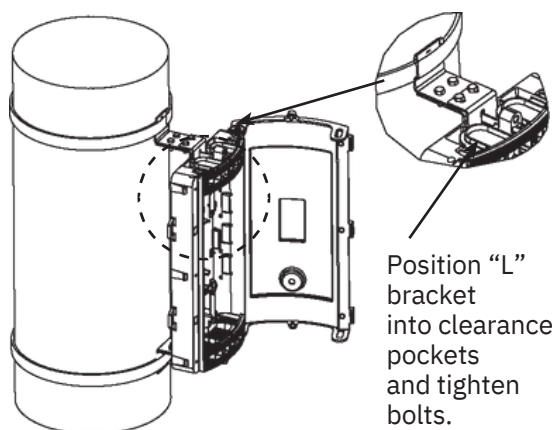Fasten "L" bracket to bottom of main bracket.

Step #3

Rest closure on bottom "L" bracket. Hold enclosure flat against main bracket and install top "L" bracket.

Top "L" Bracket

Step #4

Position "L" bracket into clearance pockets and tighten bolts.

Pedestal Mounting Bracket

**Step #1** For Emerson Pedestal Model No: PR012HSRNGE Part NO: F1006530

Inser t closure suppor t bracket behind metal brackets in pedestal base and tap into place.

Tap brackets into place until fully seated on bottom of channel.

Closure Support Brackets

Metal Bracket

Pedestal Base
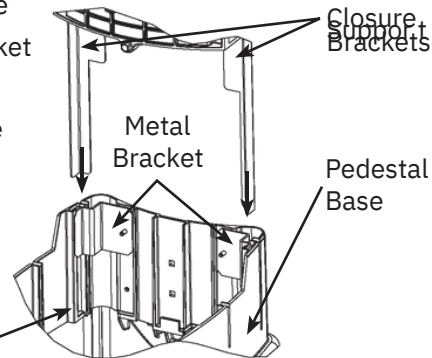
Step #2

Inser t closure mounting tabs through brack-et slots and inser t retainer clips to secure closure.

Retainer Clip

Retainer Clip
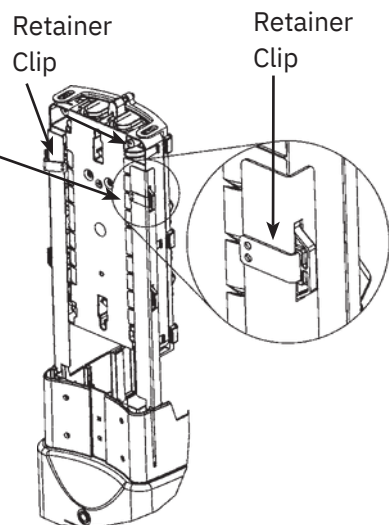
SA FETY C ONSIDERATIONS

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 wor king in the area of energized lines, extra care should be taken to prevent accidental electr ical contact.

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

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

PREFORMED LINE PRODUCTS

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