

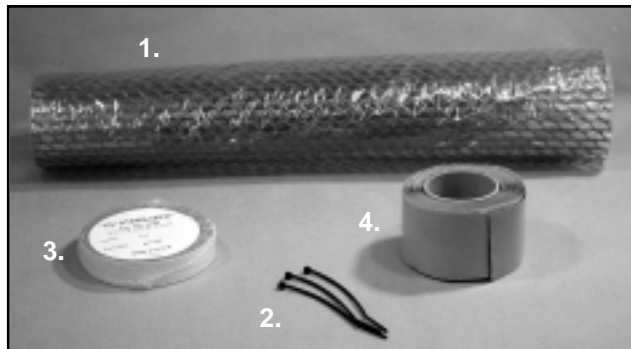
APPLICATION PROCEDURE & SAFETY CONSIDERATIONS **PREFORMED** LINE PRODUCTS



MAY 2003

ARMADILLO® Closure Pressure Wrap Kit

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



1.00 NOMENCLATURE

- 1.01** Each Pressure Wrap Kit contains:
1. Liner w/intergal Plastic Web
 2. Tie Wraps
 3. 3/4" LOCK-TAPE™ Sealant (12' roll)
 4. Mastic Sealant
- 1.02** Material needed but not supplied:
- Shield Connectors
 - Bonding Braid
 - Vinyl Tape
 - Pressure Wrap Tape
 - Re-enterable Encapsulant

2.00 DESCRIPTION

2.01 The ARMADILLO Closure Pressure Wrap Kit is designed for use with ARMADILLO Closures utilizing the ARMADILLO Sealing Washer End Plates (1-Port, 2-Port or 3-Port).

NOTE: For ARMADILLO Closures or ARMADILLO Stainless using the drillable end plates see the Communication Product Catalog for proper Pressure Wrap Kit and Pressure Wrap Collar (for multiple cable entries).

3.00 CABLE & END PLATE PREPARATION

3.01 Prepare the cables and install them in the Sealing Washer End Plates per the procedure included in the Sealing Washers End Plate Kit (SP2909-2)

3.02 Bond the cables together and to the bonding connection in the end plate(s) using standard company materials and practices.

4.00 PREPARE END PLATES FOR LINER

4.01 Cut a piece of Mastic Sealant to fit snugly into the Torque Bar pockets on both end plates (4 required).

4.02 Punch or cut a small hole in each piece of sealant to allow the threaded stud to pass through, and press into place (Figure 1).

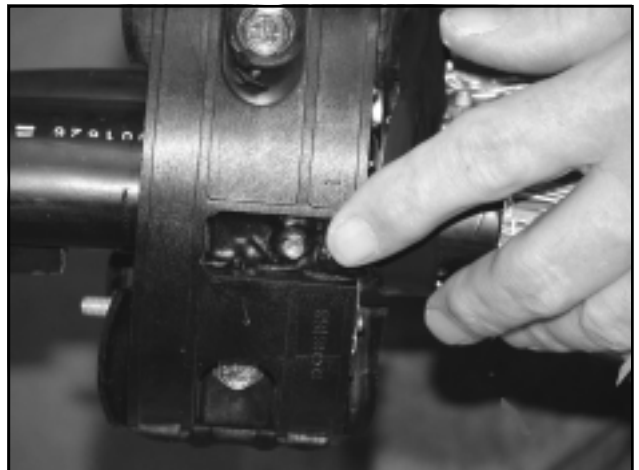


FIGURE 1 - APPLY MASTIC SEALANT TO TORQUE BAR POCKETS

4.03 Install Torque Bars and tighten hex nuts (Figure 2)



FIGURE 2 - INSTALL TORQUE BARS

4.04 Cut additional pieces of Mastic Sealant (about 3" long) to fill each Torque Bar Pocket. Fold the sealant as required filling each pocket completely. (Figure 3)

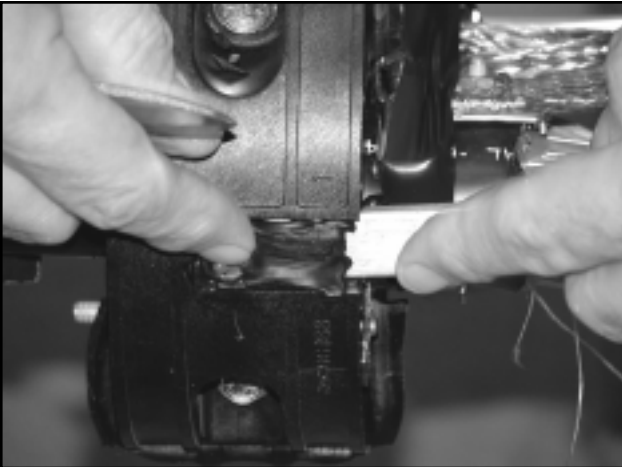


FIGURE 3 - FILL TORQUE BAR POCKET WITH MASTIC SEALANT

4.05 Cut and install a piece of Mastic Sealant to the width of the first inside end plate ring. Make sure it is long enough to go completely around each end plate and over the sealant in the Torque Bar Pockets. (Figure 4)

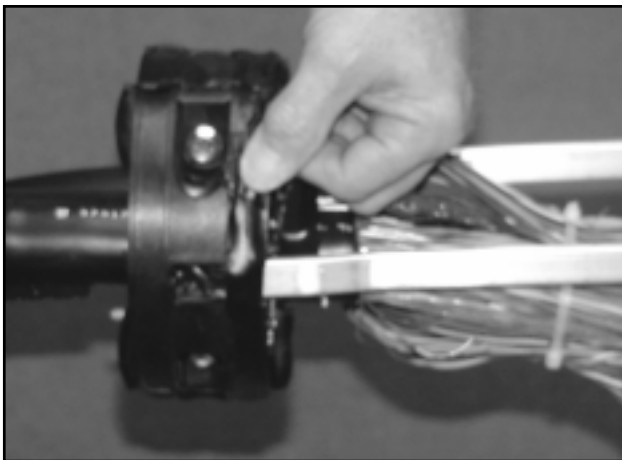


FIGURE 4 - APPLY MASTIC SEALANT AROUND END PLATE

5.00 SECURE LINER TO END PLATES

5.01 Place the liner with integral web on one end plate, starting at the center of the bottom and working the liner up towards the top. Liner should overlap sealant ring installed in step 4.05

NOTE: The liner will have a large overlap when it meets at the top of the end plate.

5.02 Stretch the slack out of the liner lengthwise towards the opposite end plate and repeat step 5.01 for the other end plate. (Figure 5)

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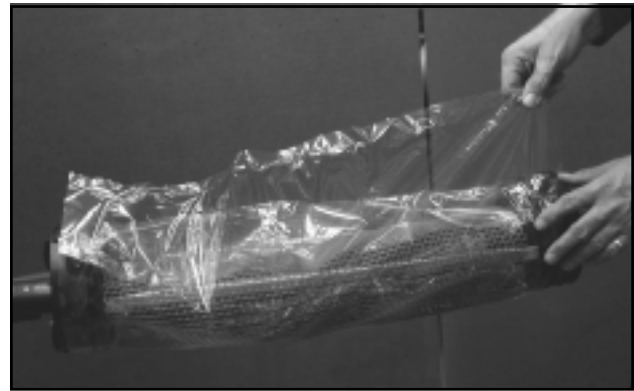


FIGURE 5 - INSTALL LINER OVER END PLATES

5.03 Wrap two layers of 3/4" LOCK-TAPE Sealant around the liner directly over the Mastic Sealant applied in step 4.05. Repeat for both end plates. (Figure 6)



FIGURE 6 - WRAP LOCK-TAPE SEALANT OVER LINER

NOTE: Stretch the LOCK-TAPE Sealant as much as possible while wrapping. Then secure in place with two wraps of vinyl tape.

5.04 Wrap the Pressure Wrap Tape around the end plate, then around the liner three wraps (toward the splice bundle), overlapping each wrap by one-half (Figure 7). Repeat this procedure for the other end plate.



FIGURE 7 - USE PRESSURE WRAP TAPE TO SEAL ENDS OF LINER ON END PLATE

6.00 ADD ENCAPSULANT

- 6.01 Mix the Re-enterable encapsulant according to the manufacture's recommendations.
- 6.02 Pour the encapsulant into the center of the liner until the liner is 1/2 to 1/3 full. (Figure 8)



FIGURE 8 - POUR ENCAPSULANT INTO LINER

7.00 PRESSURE WRAP SPLICE

- 7.01 Apply two wraps of Pressure Wrap Tape over the entire length of the liner to create a seal. (Figure 9)

PLP Tip: Apply these first two layers of Pressure Wrap Tape snugly, but NOT TOO TIGHTLY, to avoid having the encapsulant leak out the top of liner.



FIGURE 9 - APPLY FIRST TWO LAYERS OF PRESSURE WRAP TAPE

- 7.02 Apply three or four additional layers of Pressure Wrap Tape tightly over the entire length, stretching the tape as you proceed. (Figure 10)

PLP Tip: Use the Pressure Wrap Tape to seal any small leaks that may occur in the seam of the liner during this process.

NOTE: Do not wrap the Pressure Wrap Tape beyond the Mastic Sealant ring on the end plates.



FIGURE 10 - TIGHTLY APPLY 3 OR 4 ADDITIONAL LAYERS OF PRESSURE WRAP TAPE

8.00 RE-ENTRY

- 8.01 During re-entry, it is not necessary to remove the Mastic Sealant ring around the end plate. However, use small pieces of Mastic Sealant to repair any damage to the Sealant ring caused by the removal of the liner.
- 8.02 Follow steps 5 thru 7 to install new liner re-encapsulant and pressure wrap

9.00 SAFETY CONSIDERATIONS

- 9.01 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. **CAUTION: FAILURE TO FOLLOW THESE PROCEDURES AND RESTRICTIONS MAY RESULT IN PERSONAL INJURY OR DEATH.**
- 9.02 This product is intended for a single (one-time) use and for the specified application. **CAUTION: DO NOT REUSE OR MODIFY THIS PRODUCT UNDER ANY CIRCUMSTANCES.**
- 9.03 This product is intended for use by trained craftspeople only. This product **SHOULD NOT BE USED** by anyone who is not familiar with and trained in the use of it.
- 9.04 When working in the area of energized lines with this product, **EXTRA CARE** should be taken to prevent accidental electrical contact.
- 9.05 For **PROPER PERFORMANCE AND PERSONAL SAFETY** be sure to select the proper size **PREFORMED** products before application.
- 9.06 **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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