

Installation Instructions

YBIP

Deadbreak Insulating Plug With Test Point

CONTENTS: Insulating plug, Hex head bolt, Belleville washer, Flat washer, Nylon venting rod, Lubricant, Cap Installation Instructions.

DANGER

All apparatus must be de-energized during installation or removal of part(s). For loadbreak products follow operating instructions. All deadbreak connectors must be de-energized before operating. All 200A deadbreak connectors must be mechanically secured with bails when connected.

All apparatus must be installed and operated in accordance with individual user, local, and national work rules. These instructions do not attempt to provide for every possible contingency.

Do not touch or move energized products.

Excess distortion of the assembled product may result in its failure.

FOR MORE INFORMATION ON PARTS, INSTALLATION RATINGS AND COMPATIBILITY, CALL THE NEAREST ELASTIMOLD OFFICE.

Inspect parts for damage, rating and compatibility with mating parts.

This product should be installed only by competent personnel trained in good safety practices involving high voltage electrical equipment. These instructions are not intended as a substitute for adequate training or experience in such safety practices.

Failure to follow these instructions will result in damage to the product and serious or fatal injury.

If this product is supplied with a protective shipping cover(s), remove this shipping cover(s) and replace with the appropriate HV insulated cap(s) or connector(s) before submerging or energizing the circuit.

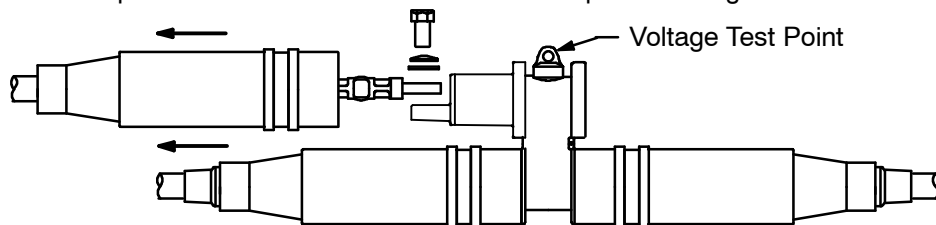
IMPORTANT

1. Check contents of package to ensure they are complete and undamaged.
2. Check all components to ensure proper fit with cable and/or mating products.
3. Read entire installation instructions before starting.
4. Have all required tools at hand and maintain cleanliness throughout the procedure.

GENERAL INSTRUCTIONS

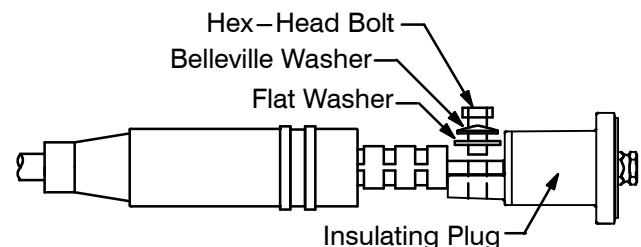
STEP 1

1. Ensure system is de-energized prior to removal of receptacle.
2. Slide receptacle back to expose cable contact. Unbolt cable from splice housing.



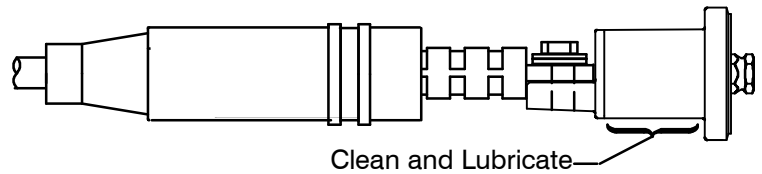
STEP 2

Assemble insulating plug with the washers and bolt as indicated, the flat washer against the spade contact, then the Belleville washer and the hex head bolt. (Note direction of Belleville washer in adjoining figure). Do not attempt to move or reposition any part of the assembly after the bolt is hand tightened. Using a torque wrench with a 15/16 socket, tighten to 30-40 ft./lbs.



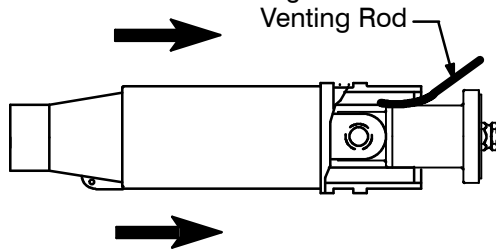
STEP 3

Apply supplied lubricant or ELASTIMOLD approved lubricant generously to the area of the insulating plug as shown. **DO NOT SUBSTITUTE.** Other lubricants may be harmful to this product or its mating product.



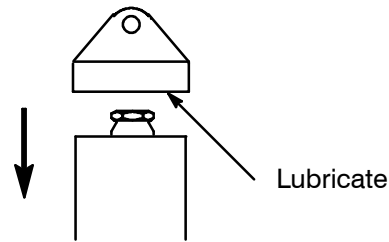
STEP 4

Slide the receptacle housing over the connector and up to the position shown. Insert the nylon venting rod (supplied). Slide the receptacle housing onto the insulating plug until fully seated. Remove the venting rod.



STEP 5

Assemble cap over insulating plug. Lubricate inner surface of voltage detection cap and place on plug. Push down until cap "snaps" into place.



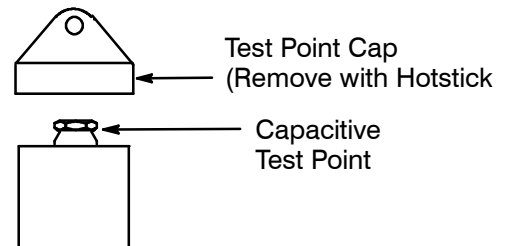
STEP 6 VOLTAGE TEST ON INSULATING PLUG

The ELASTIMOLD insulating plug is equipped with an integral capacitance test point that can be used to establish whether or not the circuit is energized. When using the test point, complete the following steps:

1. Remove test point cap with a hotstick.
2. Using a suitable sensing device proceed to determine if cable is energized.

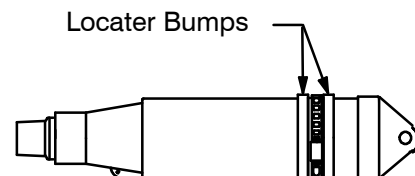
CAUTION: The voltage test point is a capacitance device; it is not directly connected to the connector. It requires the use of specially designed instruments. **DO NOT USE CONVENTIONAL VOLTAGE MEASURING EQUIPMENT; NO INDICATION WILL BE OBTAINED.**

3. After voltage detection has been made, clean and lubricate the inside surface of the cap with silicone grease and replace it on the test point.



STEP 7 FOR 35kV ONLY

Position hose clamp between locator bumps on receptacle housing. Tighten clamp until you hear it click.



VOLTAGE TEST

The ELASTIMOLD deadbreak connector is equipped with an integral capacitance test point that can be used to establish whether or not the circuit is energized. When using the test point, complete the following steps:

1. Remove test point cap with a hotstick. When removing cap, **PEEL OFF AT AN ANGLE** rather than pulling directly in line with the test point assembly.
2. **WARNING:** THE VOLTAGE TEST POINT IS A CAPACITANCE DEVICE, IT IS NOT DIRECTLY CONNECTED TO THE CONDUCTOR. Do not use conventional voltage measuring equipment. Follow the manufacturer's directions for the meter that is used. Test with a suitable sensing device, made for use with separable connectors manufactured with capacitive test points, to determine if cable is energized. Contamination, moisture, dirt, etc. around the test point or use of the wrong measuring equipment can provide a false "no voltage" indication on an energized elbow. To prevent serious or fatal injury treat the connector as energized until the "no voltage" test point indication is confirmed by other means.
3. After voltage detection has been made, clean and lubricate the inside surface of the cap with silicone grease and replace it on the test point.