

Installation Instructions: 15,25,35kV 600/900 AMP Deadbreak Bushing Extension

CONTENTS: Bushing Extension, Lubricant (DO NOT SUBSTITUTE), Installation Instruction, Stud Prepack

The bushing extension with voltage and current ratings as indicated on the product when used with the appropriate mating components, can provide: 1) a 600/900 ampere bushing extension, 2) a 200 ampere tap or 3) an insulated shielded and water-tight cap for a 600/900 ampere bushing.

DANGER

All apparatus must be de-energized during installation or removal of part(s).

Do not touch or move energized products in the work area.

These instructions do not attempt to provide for every possible contingency.

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

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.

All apparatus must be installed and operated in accordance with individual user, local and national work rules and electrical standards.

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.

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.

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

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.

Limited Warranty:

1. T&B warrants that its products will be free from defects in materials or workmanship for a period of two (2) years, except for tools which are warranted separately (see warranty accompanying those products). Fisher Pierce[®] products and Elastimold[®] Reclosers are warranted for three years; and Joslyn[®] VBT and VBU capacitor switches are warranted for four years or 40,000 operations whichever occurs first. Upon prompt notification of a warranted defect, T&B will, at its option, repair or replace the defective product.
2. In no event shall T&B be liable for any consequential, indirect or special damages, nor will T&B be liable for transportation, labor, or other charges arising out of the removal or reinstallation of its products. Liability for breach of warranty is limited to the cost of repair or replacement of the warranted product only.
3. Misuse, misapplication or modification of T&B products immediately voids all warranties.

THE WARRANTIES AND REMEDIES CONTAINED HEREIN ARE EXCLUSIVE AND ARE IN LIEU OF ALL OTHER WARRANTIES AND REMEDIES, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, WHICH ARE SPECIFICALLY DISCLAIMED.

IMPORTANT

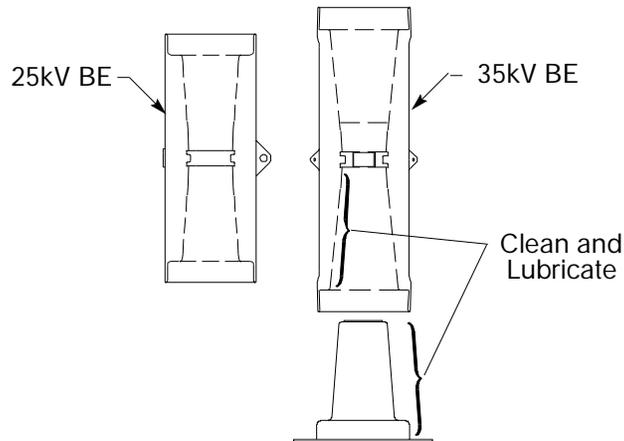
1. Check contents of package to ensure they are complete and undamaged.
2. Check all components to ensure proper fit with cable and/or mating products.
3. Read entire installation instructions before starting.
4. Have all required tools at hand and maintain cleanliness throughout the procedure.



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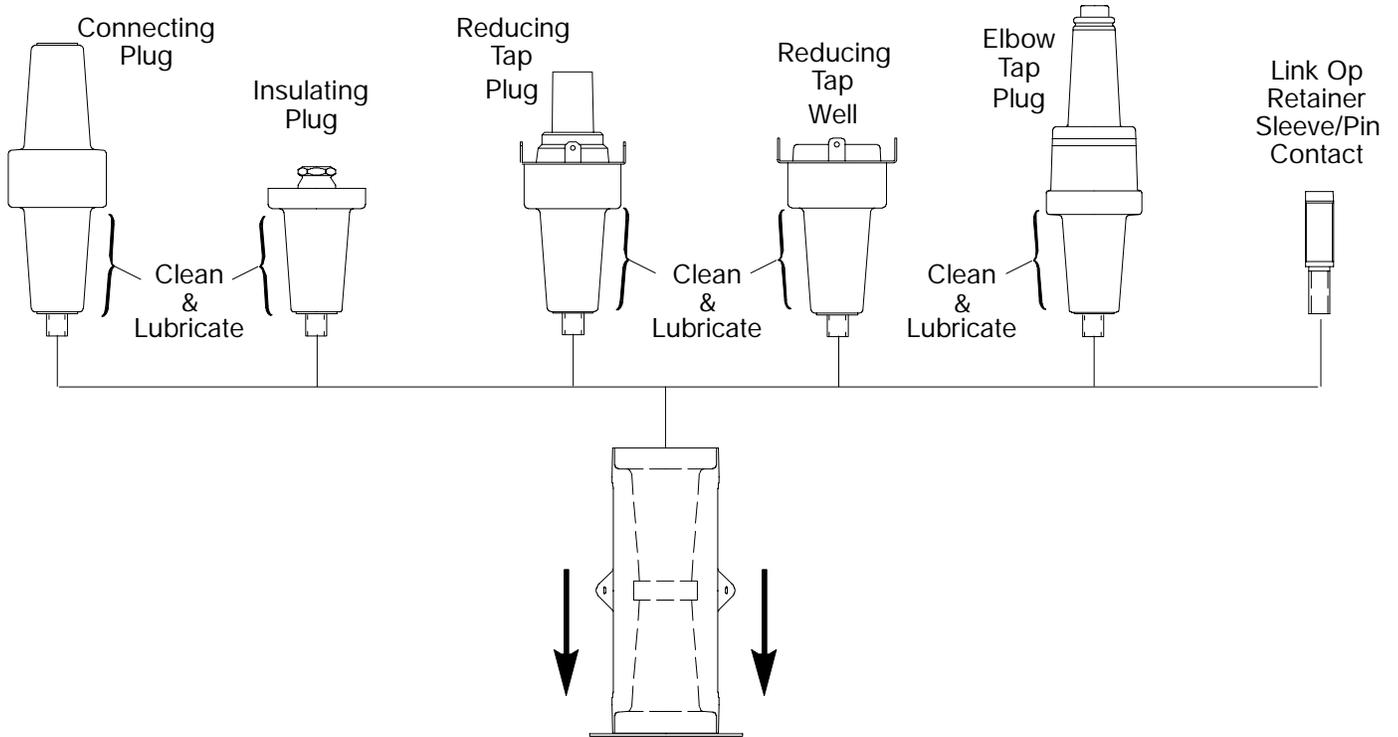
STEP 1

Remove protective caps from the bushing extension. Clean the entire bushing extension interface as noted and lubricate, with lubricant supplied or ELASTIMOLD approved lubricant. Keep mating surfaces of bushing and extension clean.



STEP 2

Clean the entire interface of a connecting plug, deadend plug, reducing tap plug, reducing tap well or elbow tap plug as noted and lubricate with the lubricant supplied or ELASTIMOLD approved lubricant. Finger tighten the double ended stud supplied with the bushing extension into one of these mating products. Insert this product into the bushing extension. While pushing the assembly onto the bushing, engage the threads and handtighten.



STEP 3 Tighten assembly as follows:

FOR INSULATING PLUG, (K)650BIP, (K)675BIP, 750BIP, 775BIP
Use torque wrench and tighten to 50 to 60 foot-pounds of torque.

FOR EPOXY CONNECTING PLUG, (K)650CP, (K)675CP, REDUCING TAP PLUG, (K)650RTP, (K)675RTP or TAP WELL, (K)650RTW, (K)675RTW, Use torque wrench with an ELASTIMOLD 600SW spanner wrench and tighten to 40 to 48 foot-pounds of torque.

FOR RETAINER SLEEVE/PIN CONTACT

Use 600-AT and torque to 50 to 60 foot-pounds using a suitable tool attached to the hex. (Refer to Link instruction sheet for remaining assembly).

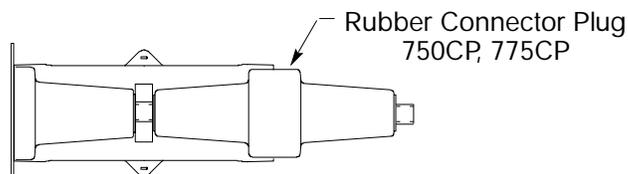
FOR ELBOW TAP PLUG, 750ETP

Use torque wrench with 600ATM and tighten exerting 50-60 foot-pounds of torque.

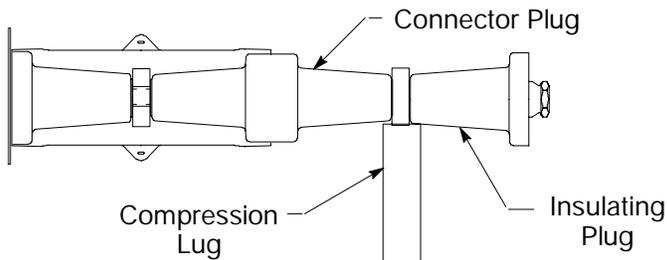
FOR RUBBER CONNECTING PLUG, 750CP, 775CP

Proceed as follows:

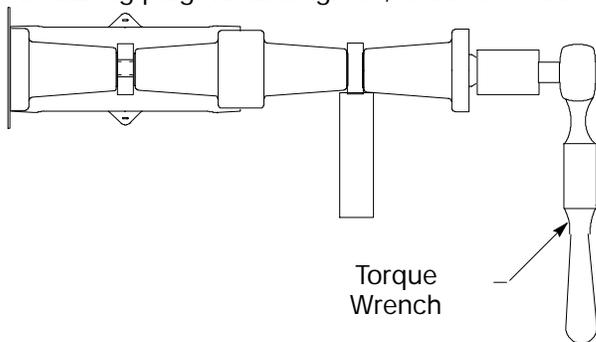
Assemble the components as shown. Handtighten the rubber connecting plug.



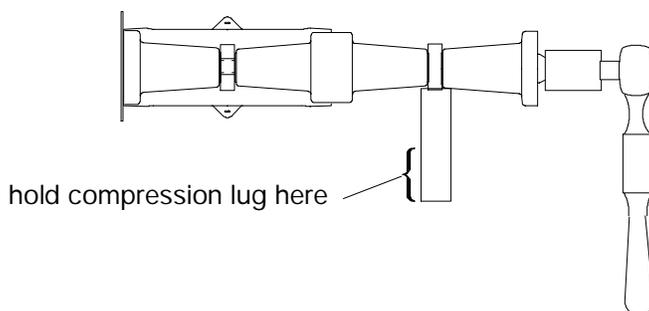
To provide a means of torquing the connecting plug, temporarily install and hand tighten a compression lug and insulating plug as shown.



Use a torque wrench on the insulating plug nut and tighten, to 50 to 60 foot-pounds of torque.



To prevent the connecting plug from loosening when removing the insulating plug, hold the compression lug and break the torque at the insulating plug. Remove compression lug and insulating plug.



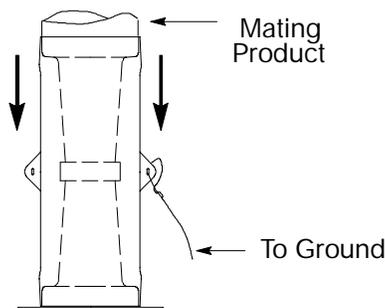
STEP 4

Clean the remaining interface of the connecting plug, reducing tap plug, reducing tap well or the elbow tap plug and lubricate with the lubricant supplied or ELASTIMOLD approved lubricant. Assemble the appropriate mating component according to the instructions supplied with the product. For the insulating plug, assemble the protective cap provided, as per its instructions.

STEP 5

Connect a short length of #14 AWG copper wire or equivalent to the grounding eye of the bushing extension. Make a small loop and twist tightly taking care not to damage the eye. Connect this wire to ground using suitable connector.

Mating components assembled in STEP 4 which require a ground should also be connected to ground in this manner.



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