

## Installation & Operating Instructions

### Hubbell Loadbreak Connector 15kV & 25/28kV 200 Amp Feed-thru

#### DESCRIPTION

Hubbell Feed-thrus provide a means to test, ground, place an elbow arrester, or park a loadbreak elbow connector. They can also be used to bypass a transformer. They are designed and tested to meet the requirements of IEEE Std. 386 - latest revision.

- 15kV Class: 8.3 /14.4kV
- 25kV Class: 15.2/26.3kV
- 28kV Class: 16.2/28.0kV

#### INSTALLATION TOOLS

- Insulating Hotstick
- Hand Tools

#### CONTENTS OF PACKAGE

- (1) Feed-thru
- (1) Lubricant (DO NOT SUBSTITUTE)
- (1) Instruction Sheet

#### NOTES

- Check contents of box to ensure that it is complete and components are NOT damaged.
- 15kV Feed-thru used as model for instruction sheet figures



**Important:** Read these instructions thoroughly before operating the system. Be sure that the connectors are rated for the intended energized use. (See Hubbell catalogs (C1) & (C2) for selecting the correct mating product.) Visually inspect parts for damage before using.

### **CAUTION**

The equipment covered by these instructions should be installed, operated and serviced only by competent personnel familiar with safety practices. This instruction is written for such personnel and is not intended as a substitute for adequate training and experience in safe procedures for this type of equipment.

### **DANGER**

All apparatus must be de-energized during installation or removal of parts. Do not touch or move energized product by hand. Failure to follow this instruction may result in serious or fatal injury, as well as damage to the product.

### **DANGER**

Remove all protective shipping caps and replace with an approved insulating cap or connector prior to the junction being submersed or the circuit energized. The protective shipping caps are intended to keep the interfaces clean during shipping and handling and should never be used on energized equipment.

These instructions do not purport to cover all details or variations in equipment nor to provide for every possible contingency to be met in connection with installation, operation or maintenance. Should further information be desired or should particular problems arise which are not covered sufficiently for the purchaser's purposes, the matter should be referred to Hubbell Power Systems, Inc.

## INSTALLATION

### Step 1 - Prepare Feed-thru

#### A. Ground

Attach a #14 AWG copper wire (or equivalent) to the ground lug of the Feed-thru bracket and attach the free end of the grounding wire to system ground. See Figure 1.

#### B. Remove Shipping Cap

Remove the shipping cap and inspect the product taking care to keep the interfaces free of contaminants. See Figure 1.

#### C. Clean & Lubricate

Clean and lubricate the 200A interface with supplied silicone lubricant packet or Hubbell SL150 silicone tube. DO NOT SUBSTITUTE. Other lubricants may be harmful. See Figure 1.

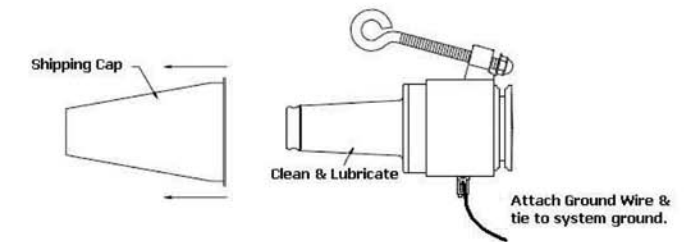


Fig. 1 - Ground & Prepare Feed-thru

### Step 2 - Install Feed-thru

#### A. Attach Hotstick

Attach an insulated hotstick to the eyebolt of the Feed-thru and secure tightly. See Figure 2.

#### B. Install Feed-Thru

Using the insulated hotstick, slide the bracket disk into the apparatus parking stand. Rotate the eyebolt clockwise until it firmly wedges the Feed-thru to the parking stand. (Do not over-tighten) See Figure 3.

**NOTE:** Rotation of the eyebolt may be easier if the hotstick tool is partially loosened from the eyebolt.

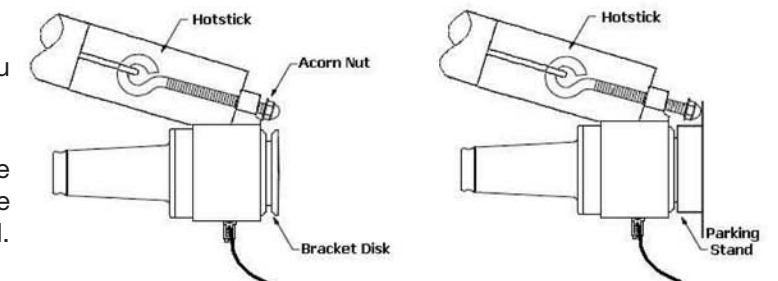


Fig. 2 - Attach Hotstick

Fig. 3 - Install Feed-thru

### Step 3 - Cover Feed-thru

Install the mating products of the Feed-thru following the instructions supplied with the mating products. See Figure 4.

**NOTE:** If the Feed-thru is not to be immediately mated with a mating product, replace the shipping caps to keep the bushing interface free of contamination.

**NOTE:** DO NOT energize or submerge the apparatus with the shipping cap on the Feed-thru.

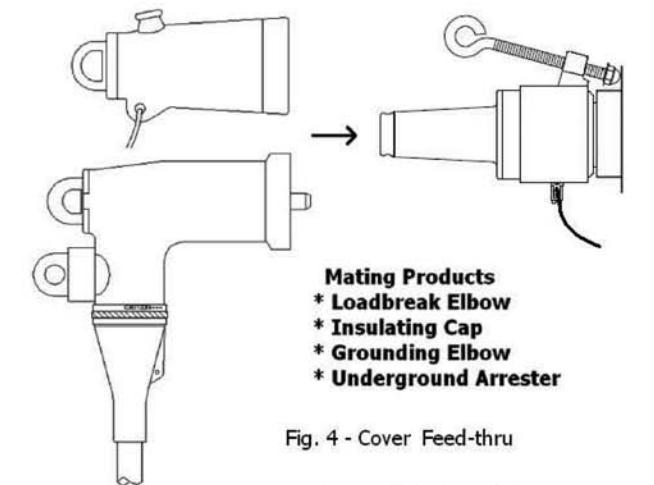


Fig. 4 - Cover Feed-thru

