

## Installation & Operating Instructions

### Hubbell 200 Amp, 15kV, 25/28kV, and 35kV Small Interface Class Insulating Caps

#### DESCRIPTION

Hubbell Insulated Caps are used for insulating, shielding and weather-sealing loadbreak interfaces of Hubbell connector products. Insulating caps mate with the matching class of loadbreak interfaces and meet the requirements of IEEE Standard 386 - latest revision.

- 15kv class: 200A 8.3kV and 8.3/14.4kV
- 25/28kV Class: 200A 16.2kV and 16.2/28kV
- 35kV Class Small Interface 21.1kV and 21.1/36.6KV

#### NOTES

- Check contents of package to ensure that it is complete and components are NOT damaged

- 15kV Insulating Cap (215IC) used as model for instruction sheet figures

#### CONTENT OF PACKAGE

- (1) Insulating Cap
- (1) Lubricant (Do not substitute)
- (1) Instruction Sheet

#### INSTALLATION TOOLS

- Insulating hotstick
- Hand Tools



**Important:** Read these instructions thoroughly before operating the system. Be sure that the connectors are rated for their intended energized use. (See Hubbell catalog C7 for selecting the correct mating product.) Visually inspect parts for damage before using.

### **WARNING**

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 associated apparatus must be d-energized before performing any installation. Do not Touch or move energized product by hand. Be sure that the connectors are rated for the intended application. Failure to follow this instruction may result in serious or fatal injury, as well as damage to the product.

### **WARNING**

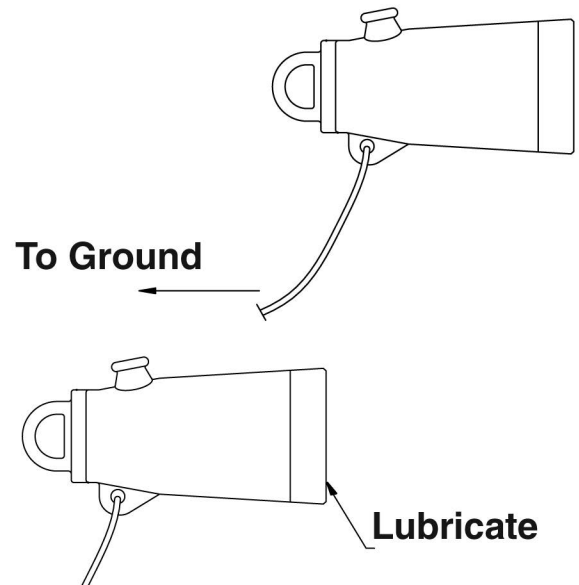
The Operator should always use personal protective equipment as designed by internal company standards or safe operating practices.

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.** Connect the free end of the grounding lead to system ground, allowing sufficient slack to permit the insulated cap to be pulled at least one foot away from the mating operating interface. Train the grounding lead so that it does not contact the mating connector interface during operation.

**Step 2.** Clean and uniformly lubricate the internal mating interface of the insulated cap with the lubricant provided. **DO NOT SUBSTITUTE** as other lubricants may be harmful.



## OPERATION

NOTE: Operating area should have stable footing and be free of obstructions so that the operator can have full control of the loadbreak elbow during and immediately after operation.

## CAP INSTALLATION

1. The mating part must be prepared for operation following applicable instructions for the device.
2. Use an appropriate length insulated hotstick tool for all operations. Attach the tool to the operating eye and tighten firmly. Avoid any off-axis operation.
3. Establish an operating position that will provide firm footing and secure grasp on the hotstick tool throughout the range of movement required for the operation sequence.
4. Insert the Insulating Cap Probe into the mating part. Immediately thrust forward with a firm, quick motion to lock the cap on the mating part. Test for proper locking by gently pulling on the cap to ensure a secure connection. If the cap has not made a proper connection, pull cap from mating part and repeat this step until the connectors are properly locked.

## CAP REMOVAL

1. Use an appropriate length insulated hotstick tool for all operations. Attach the tool to the operating eye and tighten firmly. Avoid any off-axis operation.
2. Establish an operating position that will provide firm footing and secure grasp on the hotstick tool throughout the range of movement required for the operation sequence.
3. Twist the hotstick tool until the cap rotates slightly on the bushing. Then pull the insulating cap straight away from the mating part with a firm, quick motion until it is clear of any ground planes.

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