15/25/35kV 200A LOADBREAK
INSULATED PROTECTIVE CAP
INSTALLATION & OPERATING INSTRUCTIONS

DESCRIPTION:

The CHARDON Insulated Protective Cap is an accessory device designed to electrically insulate and mechanically seal loadbreak bushing interfaces. When mated to a loadbreak product and the drain wire is attached to ground, the insulated Protective cap provides a fully shielded, submersible insulating cover for energized bushings. The cap can be used for permanent or temporary installation on bushings, junctions, or feedthru devices that conform to the requirements of IEEE Std 386 Standard. The elbow interface for the protective cap must meet the ANSI / IEEE 386 requirements listed below:

- Class 15kV 200A (8.3kV and 8.3/14.4kV)
- Class 25kV 200A (15.2kV and 15.2/26.3kV)
- Class 35kV 200A (21.1kV and 21.1/36.6kV)

KIT CONTENT:

- Insulated Protective Cap with Brass Rod and Grounding Wire
- Silicone Grease (5g)
- Paper Towel
- Instruction Sheet

CAUTION:

• The installation of Chardon products must be carried out by qualified technical personnel.
• Contact with energized equipment can cause serious damage and even death.
• Wear appropriate protective equipment.
• Make sure Chardon Accessories are completely dry and in good condition at the time of installation.

DANGER:

• Do not touch or handle energized products without adequate protective equipment. Errors in the compliance of this instruction can result in damage to the product, serious injuries to people and even death.
• All associated equipment must be de-energized during installation and maintenance.
• The following instructions do not cover details or variables in the change / installation of the product, to prevent contingencies, please contact the team of Chardon technicians if required.

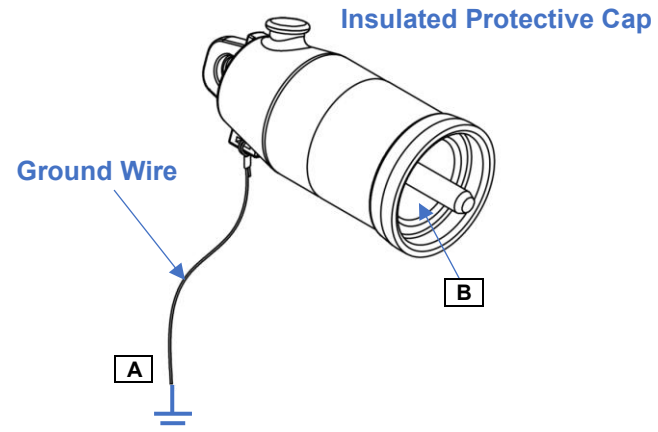
SAFETY INFORMATION

The instructions in this manual are not intended as a substitute for proper training or adequate experience in the safe operation of the equipment described. Only competent technicians, who are familiar with this equipment should install, operate and service it.

Warranty

Chardon products are guaranteed for a period of 2 years after their date of purchase, to make this guarantee effective you can come only by presenting a purchase invoice to your authorized Chardon distributor. The warranty will not be valid in the following cases:
1. When the product has been used under conditions other than normal.
2. When the product has not been operated according to the instructions for use.
3. When the product has been altered or repaired by persons not authorized by Chardon.
4. When using components that are no compatible with Chardon accessories.

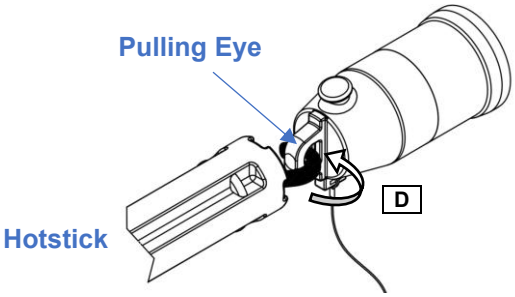
FOR MORE INFORMATION, PLEASE CONTACT YOUR LOCAL DEALER.



STEP 1:

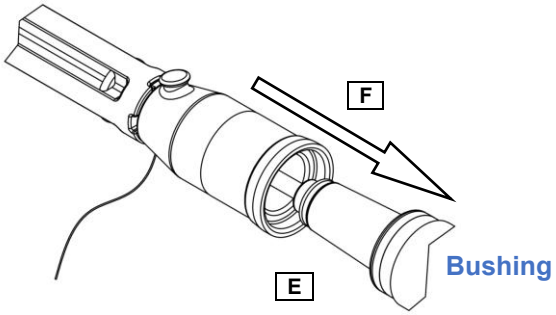
A. Always attach ground wire to system ground bus.
B. Clean and lubricate the interface surface of I**nsulated Protective Cap**. Mating loadbreak bushing must also be cleaned and lubricated. Use lubricant supplied or approved equivalent.

> **NOTE:**
> Do not substitute other lubricants for those provided.



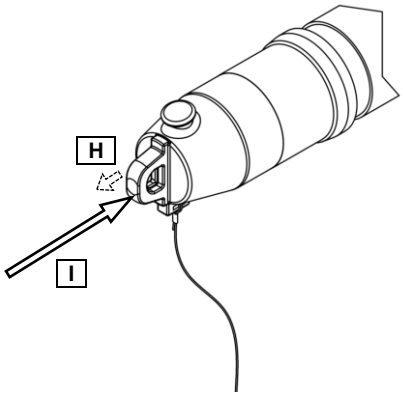
STEP 2:

C. Area must be clear of obstructions or contaminations that would interfere with the operation of the insulated protective cap.
D. Securely fasten a hotstick to the **Pulling Eye** of the cap.



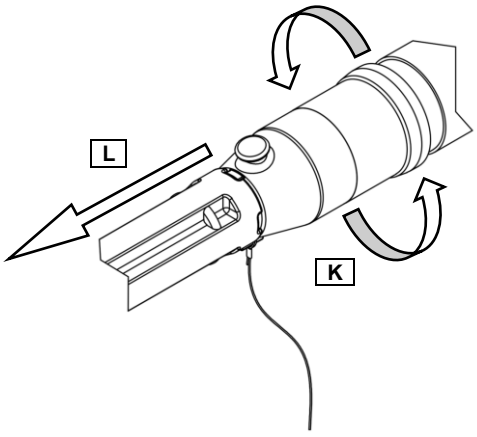
STEP 3:

E. Place the loadbreak cap over the bushing.
F. Turn your back to the bushing and grasp the hotstick securely and obtain good footing. Slam the cap onto the bushing with one quick and continuous motion.
G. Turn around and apply a force to the hotstick to push the cap onto the bushing. A popping or snapping sound is often heard when this operation is performed.



STEP 4:

H. To check that the cap is properly latched apply a gentle pull force to the hotstick. When latched properly the cap will not slide back off of the bushing.
I. As a last operation, push on the hotstick to seat the cap all the way onto the bushing again. This insures that the cap is latched and was not dislodged the latching check in previous step.



REMOVAL PROCEDURE

J. Grasp insulated protective cap's operating eye with a hotstick.
K. Twist the hotstick to the left and right to break any surface friction.
L. Withdraw cap from bushing with a quick, even tug.