



Industrial Insulated Protective Cap

200 A

25 kV Class

5811-PC Series

Installation Instructions

1.0 General

The 3M™ Industrial 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 meet the requirements of ANSI/IEEE Standard 386.



CAUTION: The 200 ampere insulated protective cap should be installed, operated and serviced only by personnel familiar with good safety practice in handling high-voltage electrical equipment. Be sure that the insulated protective cap is rated for the intended application before it is installed.

Selection Chart

Product No.	Bushing Voltage Rating
5811-PC-25	25 kV

2.0 Installation

2.1 Grounding

- Always attach drain wire to system ground bus (Figure 1).

2.2 Clean and Lubricate



CAUTION: Drain wire **MUST** be attached to system ground to maintain a deadfront installation and to assure the absence of a capacitance build-up within the cap.

- Clean and lubricate interface surface of insulated protective cap. Mating loadbreak bushing must also be cleaned and lubricated (Figure 2).
- Use lubricant supplied or approved equivalent.

Figure 1.
Attach drain wire to system ground bus.

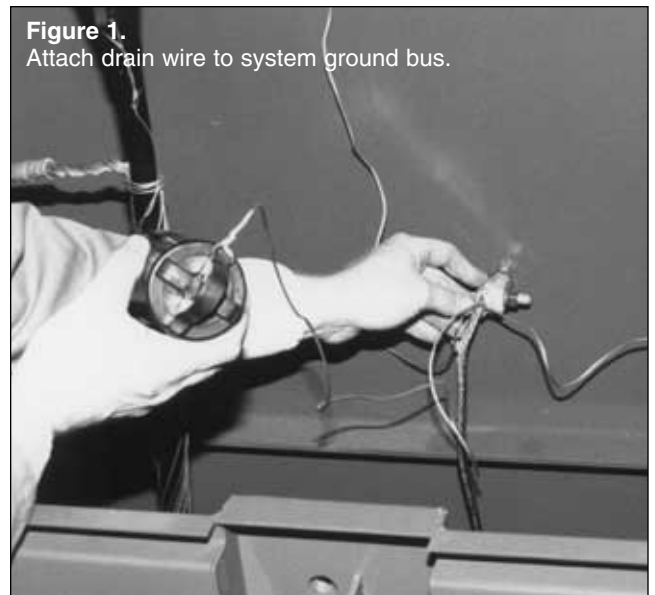
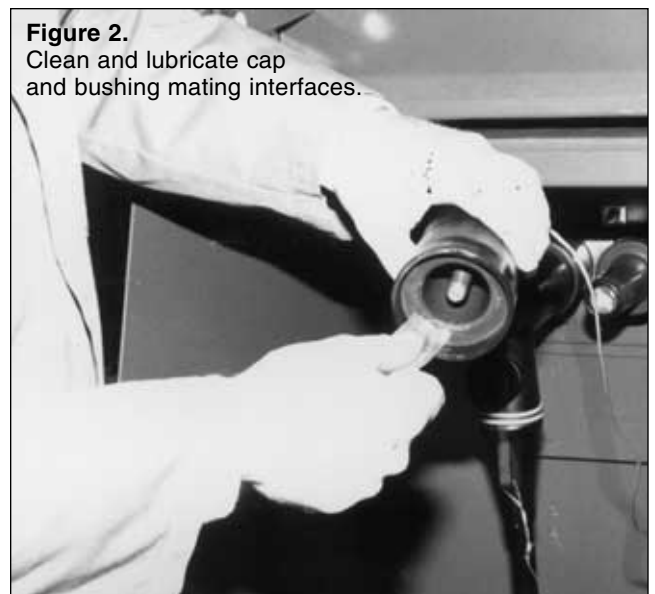


Figure 2.
Clean and lubricate cap and bushing mating interfaces.



2.3 Install

- Grasp insulated protective cap eye with shotgun stick. Position tip of probe into end of loadbreak bushing.
- Slowly insert protective cap onto bushing until a slight bump is felt (Figure 3).
- Maintaining a firm grasp on the shotgun stick, thrust the cap the rest of the way onto the bushing.
- Be sure the cap's internal retaining ring latches when cap is installed.



Figure 3.
Place cap into bushing until bump is felt.

3.0 Removal

- Grasp insulated protective cap's operating eye with a shotgun stick.
- Twist the shotgun stick clockwise to break any surface friction (Figure 4).
- Withdraw cap from bushing with a quick, even tug.

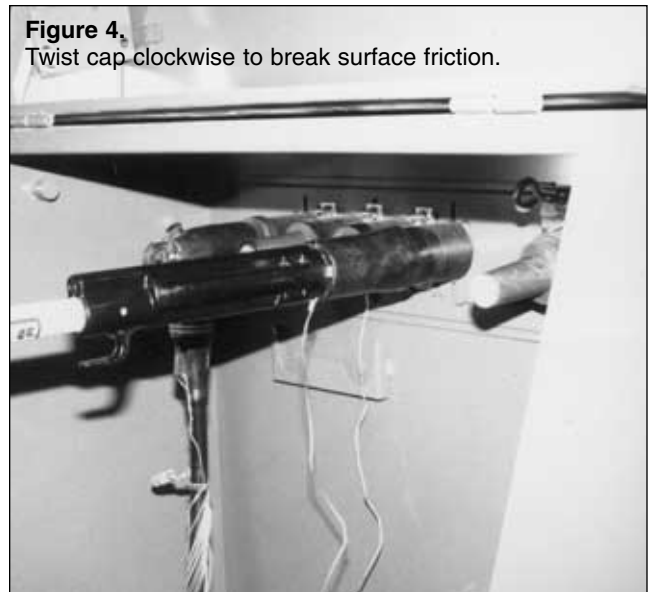


Figure 4.
Twist cap clockwise to break surface friction.

IMPORTANT NOTICE

Before using this product, you must evaluate it and determine if it is suitable for your intended application. You assume all risks and liability associated with such use.

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Electrical Products Division

6801 River Place Blvd.
Austin, TX 78726-9000
800/245-3573
www.3M.com/elpd



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