

15/25/35kV 600A LOADBREAK REDUCING TAP PLUG (ETP) – INSTALLATION & OPERATING INSTRUCTIONS

DESCRIPTION:

The CHARDON Loadbreak Reducing Tap Plugs are used for the 600 amp URD systems. The ETPs mate with all 600 amp deadbreak interfaces on the end and 200 amp loadbreak interfaces on the other. All interfaces meet the requirements of ANSI, IEEE Std. 386-2006, or latest revision, as follows:

- 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)
- Class 25kV 600A (15.2kV)
- Class 35kV 600A (21.1kV)

KIT CONTENT:

- | | |
|---|--|
| <ul style="list-style-type: none"> • Loadbreak Reducing Tap Plug, with Shipping Cap (not insulating) • Silicone Grease (5g) | <ul style="list-style-type: none"> • Paper Towel • Instruction Sheet |
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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

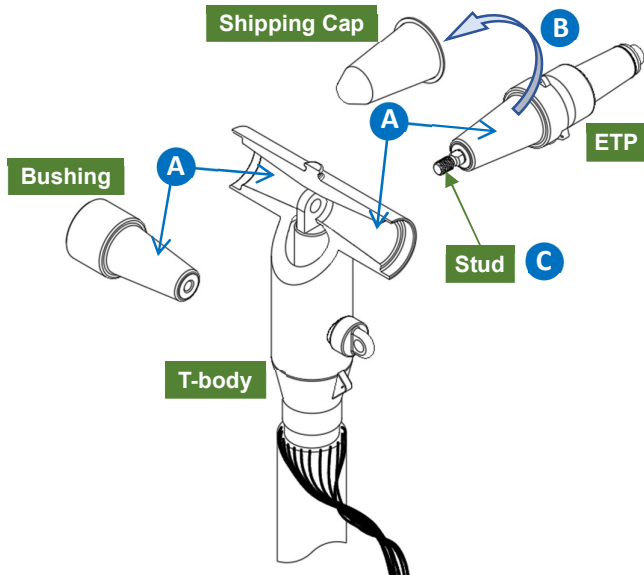
Chardon products are guaranteed for a period of 2 years after their date of purchase, to make this guarantee effective you can come only by presenting a purchase invoice to your authorized Chardon distributor. The warranty will not be valid in the following cases:

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 not compatible with Chardon accessories.

Inasmuch as CHARDON GROUP, Inc. has no control over the use which others may put the material, it does not guarantee that the same results as those described herein will be obtained, each user of the material should make his own tests to determine the material's suitability for his own particular use. Statements concerning possible uses of the materials described herein are not to be construed as constituting a license under any CHARDON GROUP, inc. patent covering such use or as recommendations for use of such materials in the infringement of any patent.

FOR MORE INFORMATION, PLEASE CONTACT YOUR LOCAL DEALER.

INSTALLATION



STEP 1:

Install the related 600A deadbreak connector and refer to the following installation instructions:

- 15/25kV 600/900A T-body
- 35kV 600/900A T-body

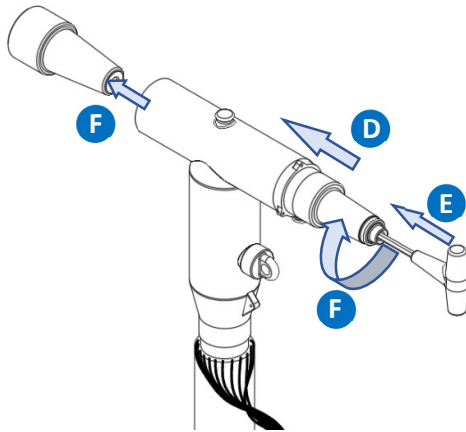
STEP 2:

- Clean and lubricate all mating 600 amp interfaces with the **Silicone Grease** provided.
- Remove **Shipping Cap** from ETP 200A interface.
- Hand tighten the **Stud** into ETP 600A interface.



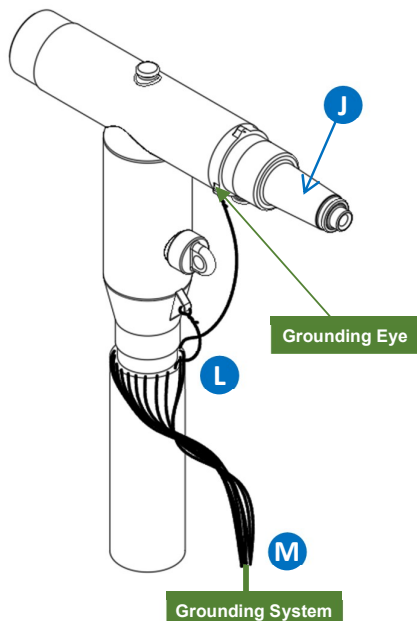
NOTE:

Do not substitute other lubricants for those provided.



STEP 3:

- Insert the 600A interface end of the **ETP** into the side of the **T-body** opposite the apparatus bushing.
- Insert the **Torque Tool** into the probe end of the ETP and engage the rotating thread.
- While pushing the ETP & T-body into the apparatus bushing, rotate the tool clockwise until the threads engage with the bushing.
- Continue rotating clockwise until the Torque Tool indicates **74~81N.m(55~60 ft-lbs)**.
- Remove Torque Tool.



STEP 4:

- Clean and lubricate 200A interface of **ETP** and connector, i.e. Loadbreak elbow, Insulating cap, Elbow arrester, Grounding elbow. Use only the lubricant supplied, do not substitute.
- Install the mating 200A connector.
- Connect the cable screen grounding wires to the grounding eye of the ETP and T-body, then connect to a common ground point. Leave adequate slack for hot-stick operation.
- Connect the cable grounding wire of the cable to the system ground.



WARNING:

The Shipping Cap is not suitable as an Insulating Cap for energized use.



WARNING:

All associated apparatus must be de-energized before preparation or reparation procedures.