

## IEC COUPLING (REAR) T-BODY Arrester – INSTALLATION & OPERATING INSTRUCTIONS

### DESCRIPTION

The Chardon T-Body Surge Arrester is an arrester combined within a coupling (rear) T-Body interface. It is designed to protect apparatus, including transformers, switchgear, and other equipment from high voltage surges due to lightning or switching.



### REAR T-BODY KIT CONTENT:

- Rear t-body arrester
- Connecting Rod
- Grounding Kit
- Stud Parts
- MOV Grounding Kit
- Paper Towel
- Silicone Grease (5g)
- 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.

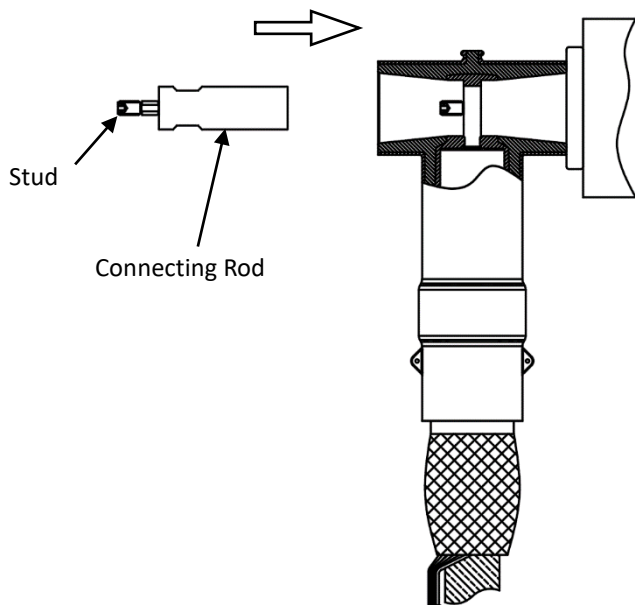
### SAFETY INFORMATION

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.

## IEC Coupling (Rear) T-Body Arrester Instructions

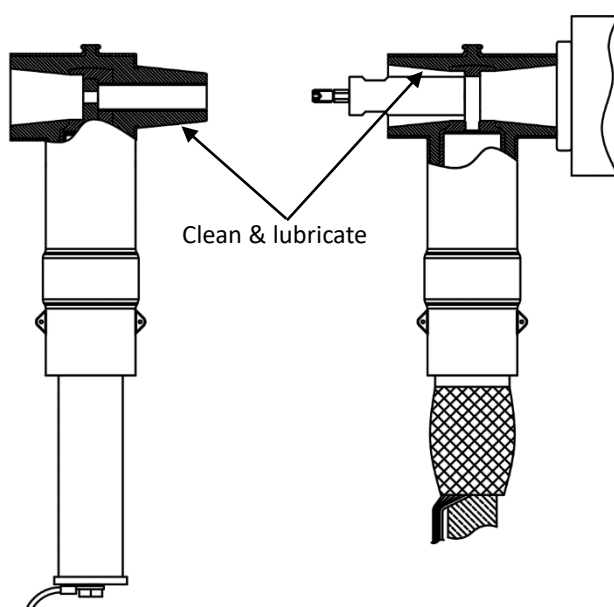
### STEP 1:

Before installing coupling (rear) T-body Arrester, If front T-body was installed completely, remove insulating plug, washer, spring washer and hex nut. Install the connecting rod and stud assembly by hand in the front T-body. Make sure the stud in the equipment bushing passes through the hole inside of the connector. Tighten with a torque of approximately 50-55nm by using 22mm and 14mm open end wrench.



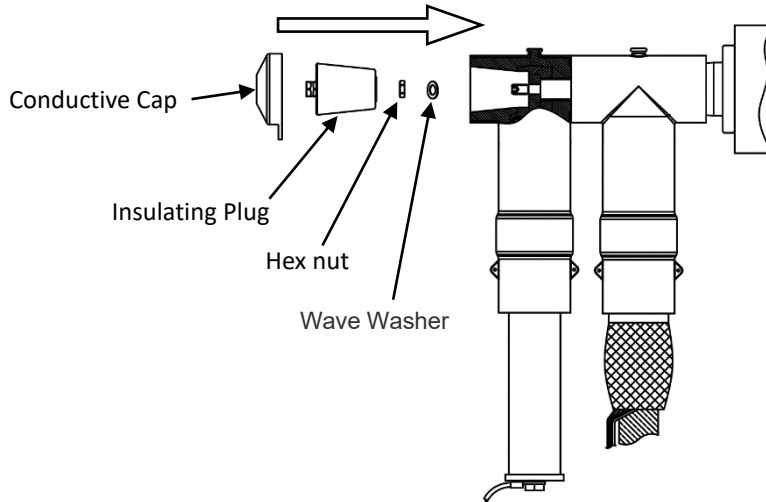
### STEP 2:

Clean and evenly lubricate both interfaces of front T-body and coupling (rear) T-body Arrester. Slide the coupling (rear) T-body Arrester over the rod and stud assembly and into the front T-body connector.



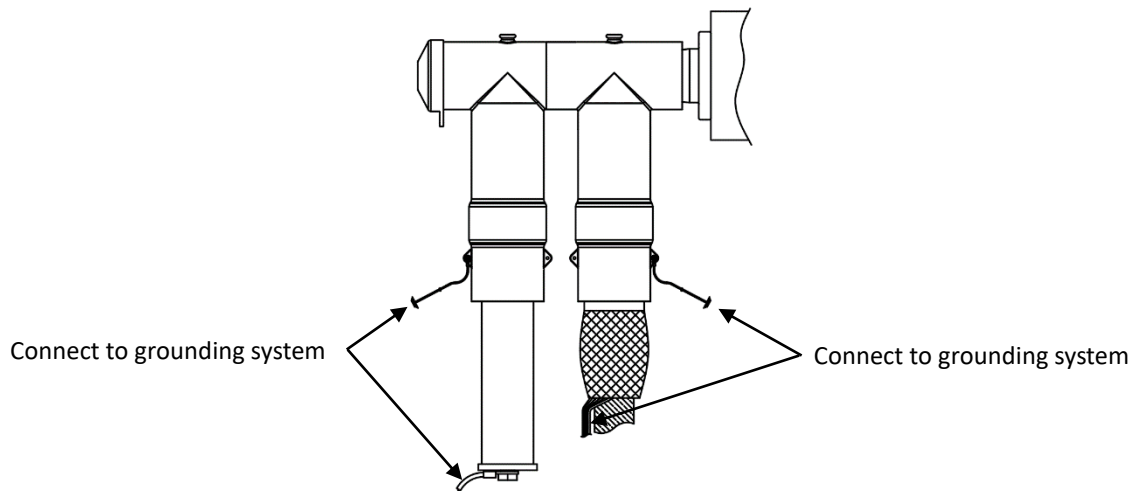
### STEP 3:

Push wave washer and hex nut on the stud and tighten the nut to 50-55 Nm by using a torque wrench with 24 mm socket. Clean and evenly lubricate both interfaces of coupling (rear) T-body Arrester and insulating plug. Insert the insulating plug into the coupling (rear) T-body Arrester and engage the threads of the threaded stud. Tighten the insulating plug to 35-40 Nm by using a torque wrench with 19 mm socket.



### STEP 4:

Clean the interior surface of the protective rubber cap. Place it over the insulating plug and push it until it snaps into place. Connect drain wire on front T-body and coupling (rear) T-body Arrester to grounding system.



### 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 FURTHER INFORMATION WRITE TO



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