36kV Interface C, Voltage Test Rod
INSTALLATION & OPERATING INSTRUCTIONS

DESCRIPTION

The CHARDON 36kV Interface C, Voltage Test Rod are used to CHARDON IEC Front T-body installed on equipment, such as transformers, switchgear, motors etc. The Cable Accessory Test Rod can be used with CHARDON Product 24-FDT630 & 36FDT630.

- Max. A.C. test voltage (50 Hz, 1 min): 36kV
- Max. D.C. test voltage (8xU_0, 30 min): 96kV
- Impulse voltage(1.2 x 50 μ s): 95kV

Cable Accessory Test Rod Kit Content:

◎ Voltage Test Rod

◎ Insulating Cover

◎ Silicone Lubricant

◎ Paper Towel

◎ Installation Instructions

CAUTION: All associated apparatus must be de-energized during installation and/or maintenance. Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

DANGER: Do not touch or move energized product by hand. if not avoided, will result in death or serious injury.

SAFETY INFORMATION

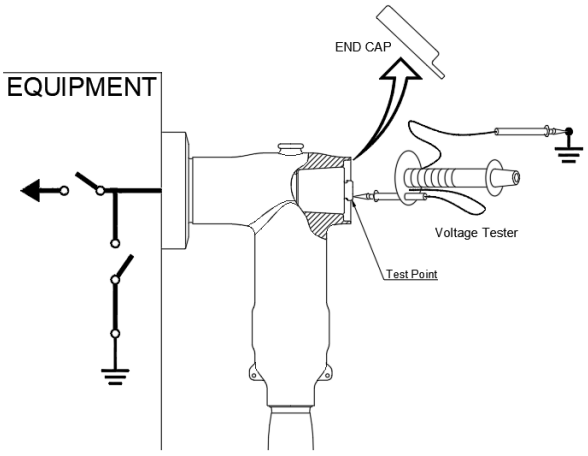
The instructions in this manual are not intended as a substitute for proper training or adequate experience in the safe operation of the equipment described. Only competent technicians, who are familiar with this equipment should install, operate and service it.

INSTALLATION PROCEDURE

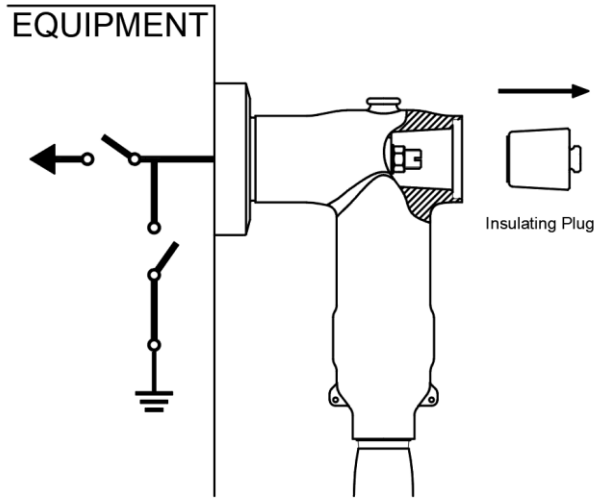
STEP 1

Removed end cap of front T-body. Check system for no voltage by using Special voltage tester.

⚠ CAUTION: Only use approved voltage tester! It is a CAPACITIVE VOLTAGE test!



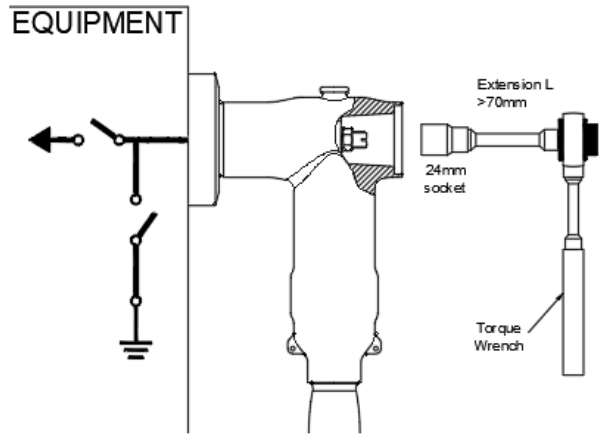
STEP 2



Unscrew and remove Insulating Plug. Make sure no contamination of T-body and Plug interface.

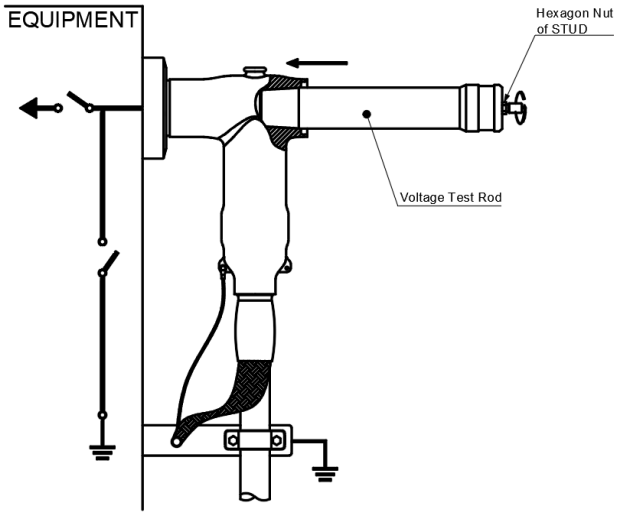
A. Examination on the System:

STEP A.1



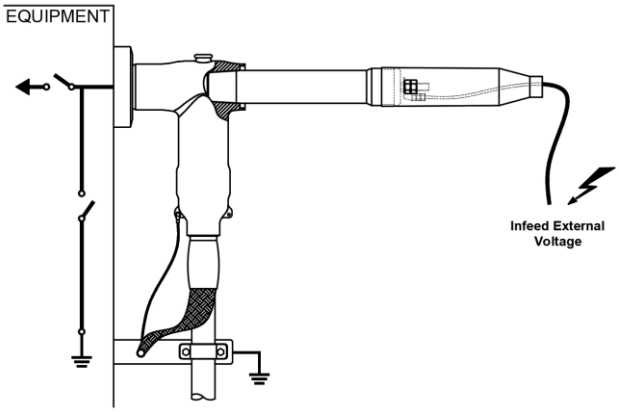
Check the nut at correct position and tighten to 50-55 Nm, using a torque wrench and a 24 mm socket.

STEP A.2



Clean and grease the test rod and front T-body interfaces. Insert the test rod into the front T-body and tighten the test rod at Hexagon Nut of stud to 20-25 Nm by Hex Wrench.

STEP A.3

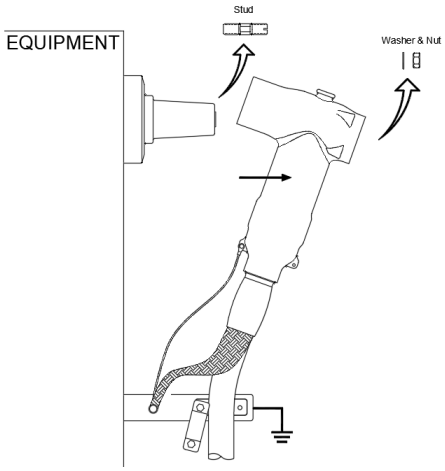


Connect test cable of external voltage to the stud of test rod. Push the insulating cover to the end of test rod. Infeed external voltage.

⚠ **DANGER: Do not touch or move energized product by hand! if not avoided, will result in death or serious injury!**

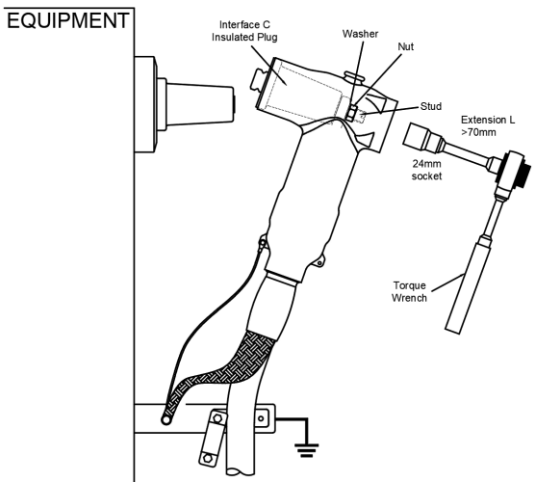
B. Examination without System:

STEP B.1



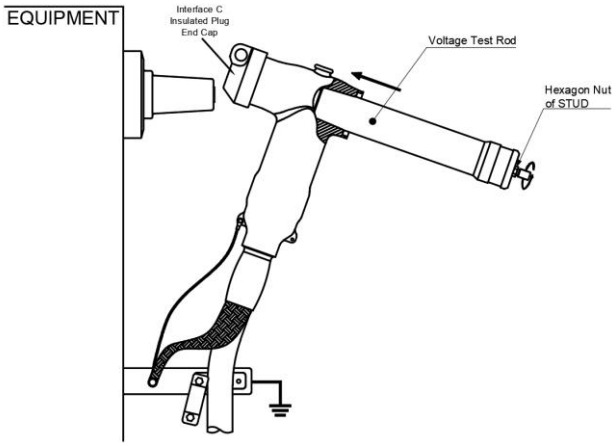
Unscrew and remove the Nut and Washer. Push the Front T-body out of equipment bushing and unscrew stud of equipment bushing.

STEP B.2



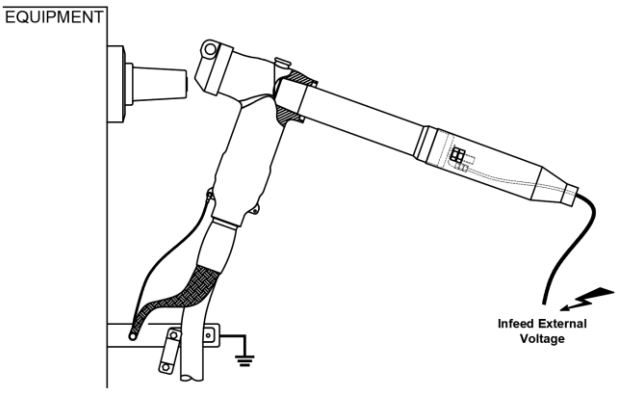
Tighten the stud to Interface C plug. Clean and grease the Interface C plug and front T-body interfaces. Insert the Interface C plug into the front T-body and put washer and nut on the stud. Tighten the nut to 50-55 Nm, using a torque wrench and a 24 mm socket.

STEP B.3



Put Interface C Insulating plug End Cap to Interface C Insulating plug. Clean and grease the test rod and front T-body interfaces. Insert the test rod into the front T-body and tighten the test rod at Hexagon Nut of stud by Hex Wrench.

STEP B.4



Connect test cable of external voltage to the stud of test rod. Push the insulating cover to the end of test rod. Infeed external voltage.

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FOR FURTHER INFORMATION WRITE TO

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