



Phenolic Stud Repair Kit

Installation Instructions

The phenolic stud (Figure 1) connects the cable to the circuit board inside the enclosure, serves as an electrical insulator, and prevents particulates from entering or exiting the enclosure.

Before performing any maintenance work, ensure that power to the unit is switched off and the system is locked out.

Prior to installation of the repair kit, the old phenolic stud must be properly removed following the following procedure:

Tools Required:

1/2" Wrench
9/16" Wrench
Tongue-and-Groove Pliers

Removal:

1. Remove the (14) 5/16" bolts that secure the cover using 1/2" wrench.
2. Disconnect green wire from terminal P2 or P3.
3. Remove rubber protection boot (Figure 2) from phenolic stud.
4. Unscrew outer 3/8" brass nut using 9/16" wrench and remove ring terminal.
5. Remove phenolic nut (Figure 1) using tongue-and-groove pliers.
6. Unscrew old phenolic stud out from inside enclosure.

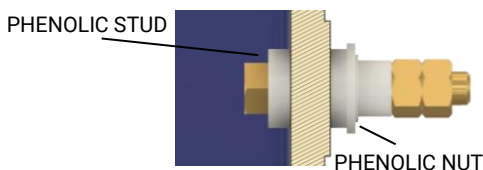


Figure1:
Phenolic Insulator Fully
Installed

Installation:

1. Remove phenolic nut from replacement stud and screw stud in from within enclosure. Hand tighten so that it is snug against the enclosure wall.
2. Attach phenolic nut to secure the stud, ensuring that it is facing so that the lip is not flush against the enclosure wall, as seen in Figure 1. Tighten using tongue-and-groove pliers.
3. Unscrew outer brass nut.
4. Torque inner brass nut to 16 ft-lbs using 9/16" wrench.
5. Slide ring terminal onto bolt and install outer brass nut, tightening to 16 ft-lbs. The final assembly will look like the one in Figure 1.
6. Replace rubber protection boot so that it covers the lip of the phenolic nut.
7. Connect green wire to terminal P2 or P3 on the circuit board.
8. Replace cover and secure using (14) 5/16" bolts. Tighten to 11 ft-lbs using 1/2" wrench.



Figure 2:
Exterior of Enclosure

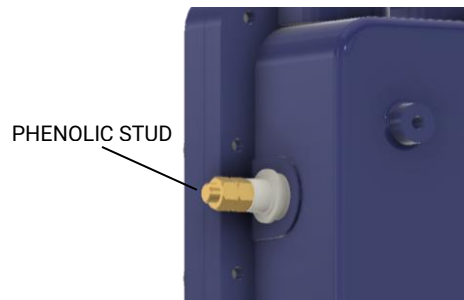


Figure 3:
Phenolic Stud Outside of Enclosure