

## EPP-20A

### INSTALLATION

**WARNING:** To avoid risk of electric shock, electrical supply power must be OFF during installation and maintenance. Installation and maintenance procedures must be performed by a trained and competent electrician.

1. Loosen two mounting screws (#4-40 x 5/8" long) in plug face but do not remove all the way to maintain captive feature. Remove contact assembly, insulator and cord strain relief clamp. Note orientation of insulator before complete removal. (See Figure 1) Be careful not to lose the mounting screws.

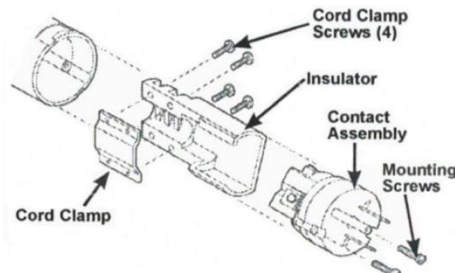


Figure 1

2. Slide shell onto cord. Loosen 4 cord clamp screws and slide insulator onto cord. (See Figure 2) Move shell and insulator up the cord and away from cord end so you can freely work on the cord end and prepare the conductors for termination.  
 NOTE: Use #12 or #14 AWG type S, SO, ST, or STO cord with range of .540 to .635 inches diameter. DO NOT use cord of smaller diameter.

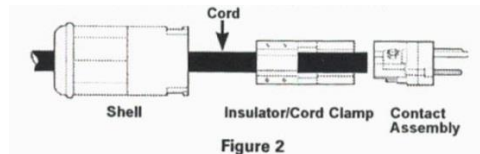


Figure 2

3. Strip cord sheath and wire insulation according to dimensions shown in Figure 3. Be careful not to damage individual conductors or their insulation.

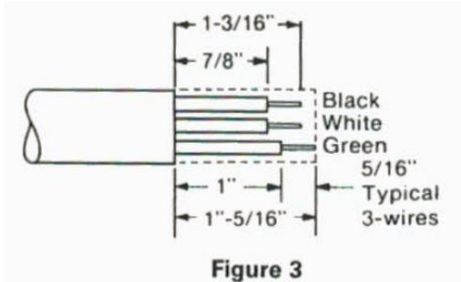
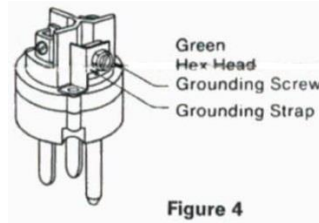


Figure 3

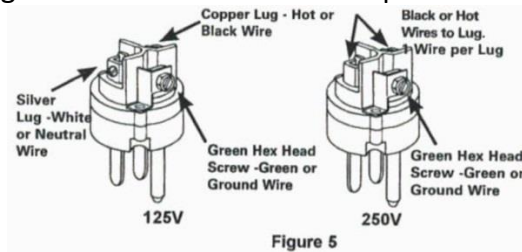
4. Loosen screws in pressure connectors of all three contacts enough so conductor can be inserted between connector plates and contact ends. DO NOT put conductor under pressure screws.

**CAUTION:** To avoid risk of electrical shock, be sure grounding strap is located in proper position (See Figure 4)



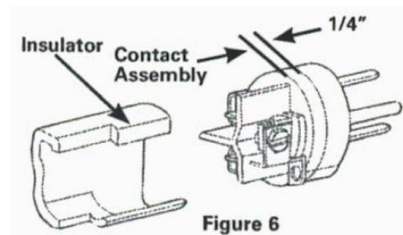
5. Attach conductors (See Figure 5)

- 125V**      White wire to silver lug  
                  Black wire to copper lug  
                  Green wire to green hex head screw & clamp
- 250V**      Black wires to lugs (1 wire per lug)  
                  Green wire to green hex head screw & clamp



Tighten terminal screws to 20 inch/pounds torque.

6. Slide insulator/cord clamp down cord and position over terminals. The insulator has 2 slots that engage with the arc barrier walls and provide proper orientation. Take care to align insulator properly, then slide insulator to within  $\frac{1}{4}$ " of surface of contact assembly. (See Figure 6)



7. Tighten cord clamp by tightening 4 cord clamps screws. Slowly increase the torque evenly on each screw repeating the sequence as necessary to a torque of 10-12 in. lbs. Clamp halves must secure the cord evenly without any misalignment between them.
8. Slide shell down cord, aligning contact assembly & insulator/cord clamp to allow proper engagement of two assembly screws into shell. Tighten two assembly screws to 8 inch/pounds torque.

**NOTE:** Face of insulator will protrude  $\frac{1}{16}$ " beyond plug shell when fully seated.