



INSTALLATION INSTRUCTIONS FOR QUICK DISCONNECT TYPE SHUNT FIELD RECTIFIER KIT • 105868

Kit includes:

- (2) #10-32 x 1/2" P.H.M.S. (103129)
- (4) 1/4" Disconnect Terminals (103505)
- (1) Rectifier (101024)
- (1) Tube of Heatsink Compound (105431)

CAUTION: Disconnect and lock out control equipment from power sources to avoid hazards of electrical shock or unintended actuation of controlled equipment.

1. **REMOVE POWER** and locate Rectifier (1RT).
2. Loosen but do not remove the nuts which connect the (4) wires to 1RT.
3. Label wires as shown in Figure 1 with Brady type wire markers or equivalent.

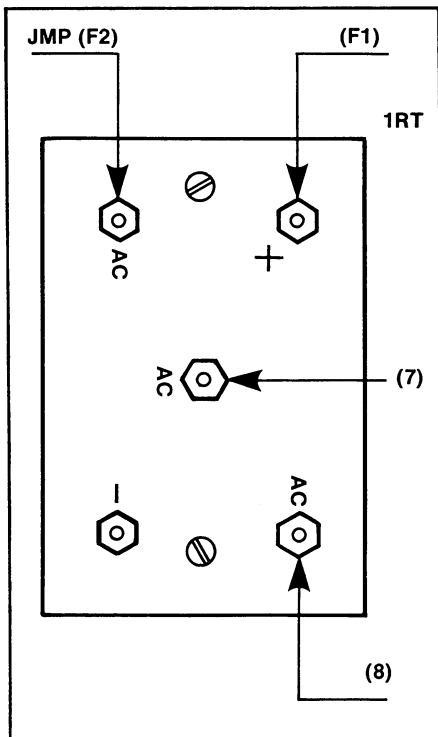


Figure 1

4. Remove all (4) wires after labeling.
5. Remove mounting screws and the existing bridge rectifier (1RT).
6. Clean the surface under the rectifier with a clean dry cloth. The surface is to be free of old heat transfer compound.
7. Mark the new mounting hole pattern for the new rectifier (P/N 101024) per Figure 2. (Note that the new holes are on the same center line.)
8. Drill (2) new holes with a #21 drill and thread with a #10-32 NF tap. Remove all burrs from the newly drilled holes and do not let chips drop into the module or other devices.
9. Apply a thin even coat of "Penatrox A" heat transfer compound or equivalent to the mounting surface of the new rectifier. Orient and

install per Figure 3 with (2) #10-32 x 1/2" P.H.M.S. (P/N 103129). Wipe away all excess heat transfer compound.

10. Clip existing terminal connectors from the (4) bridge wires marked (1), (F1), (7), (8). (**NOTE:** When cutting off connectors, leave as much wire as possible.) Strip wires 1/4" back. Attach (1) 1/4" disconnect terminal (P/N 103505) to each wire and crimp securely.
11. In order to obtain adequate slack in the wire harness it will be necessary to cut and remove several harness ties near the area of the rectifier.
12. Reconnect wires to the new rectifier per Figure 4.

EXTERIOR VIEW OF RIGHT SIDE OF ENCLOSURE

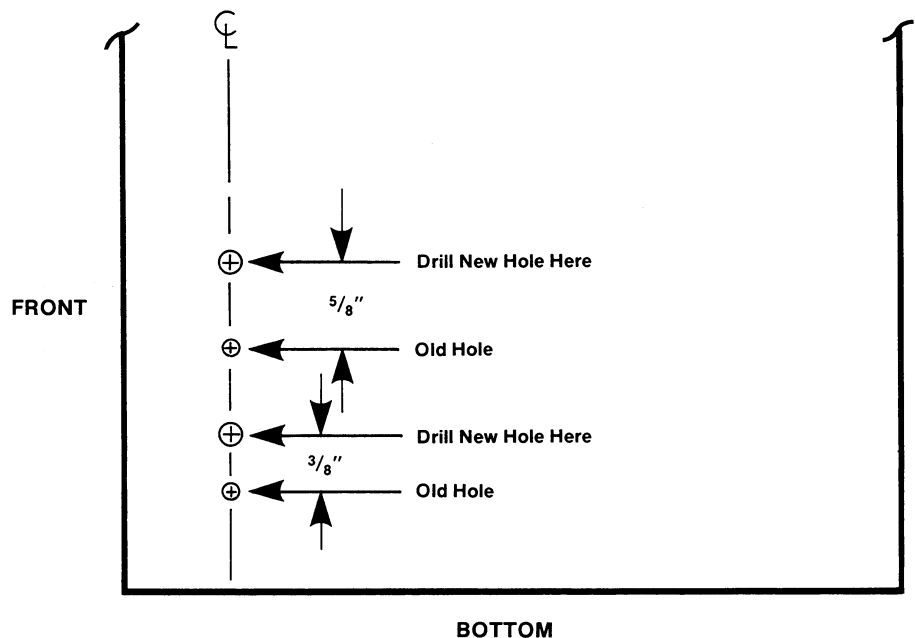


Figure 2

INTERIOR VIEW OF RIGHT SIDE OF ENCLOSURE

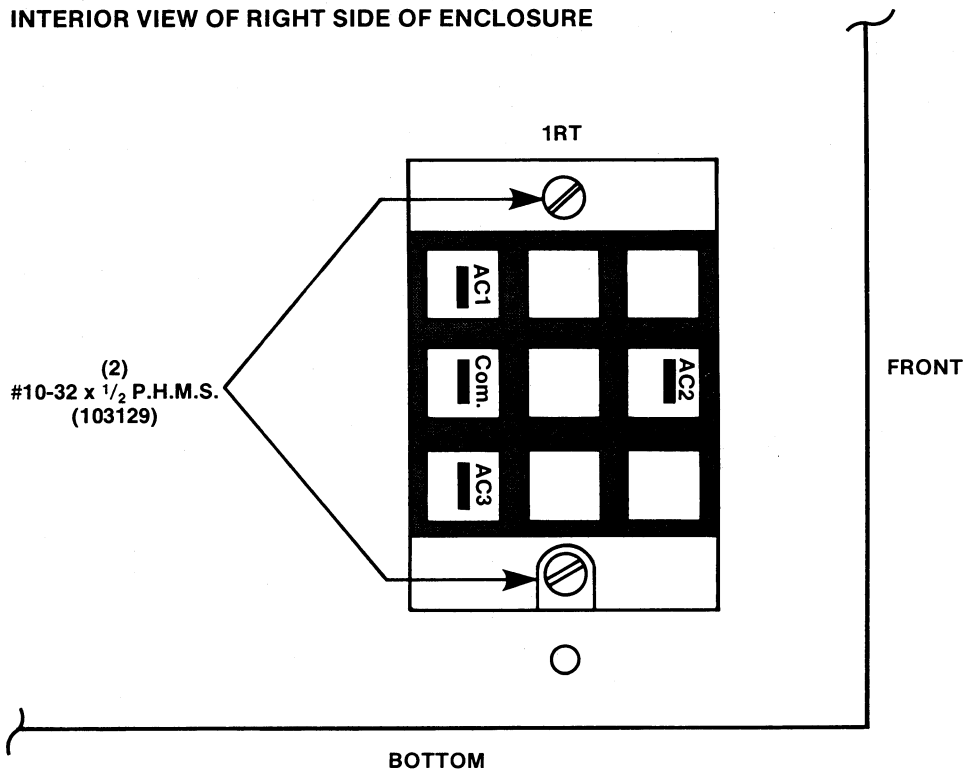


Figure 3

INTERIOR VIEW OF RIGHT SIDE OF ENCLOSURE

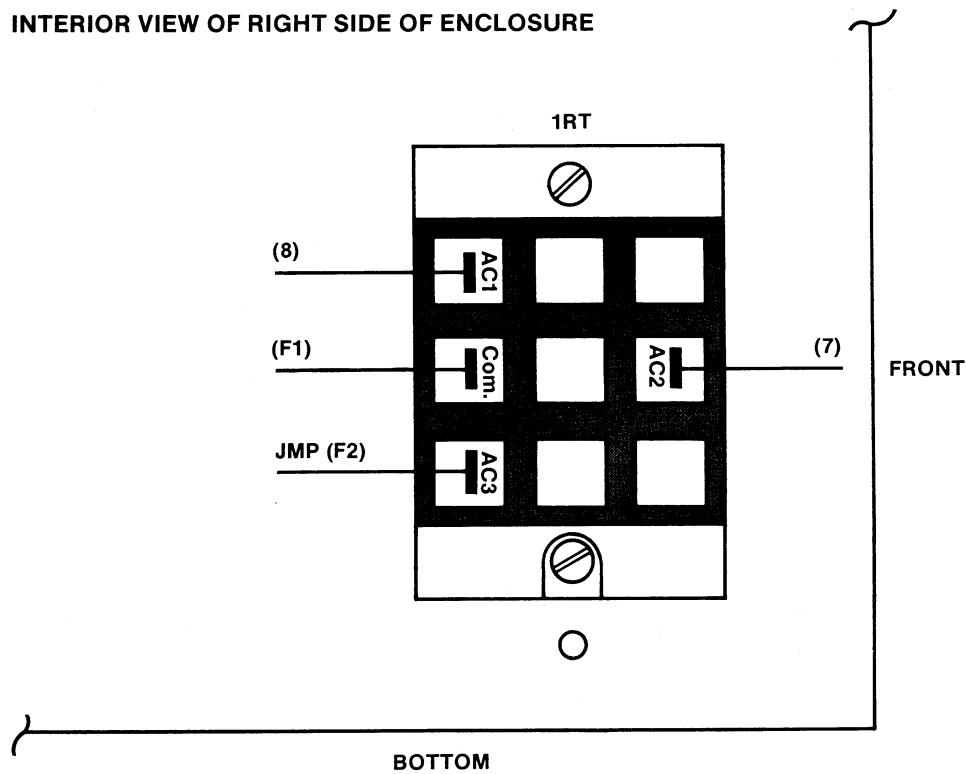


Figure 4

