



INSTALLATION AND WIRING INSTRUCTIONS FOR ARMATURE CURRENT SHUNTS IN 1370B/1379 DC DRIVE MODULES

The installation of either a 105, 250 or 345 amp ammeter shunt can be accomplished through the following steps, using Figures 1-1 & 1-2 as a guide:

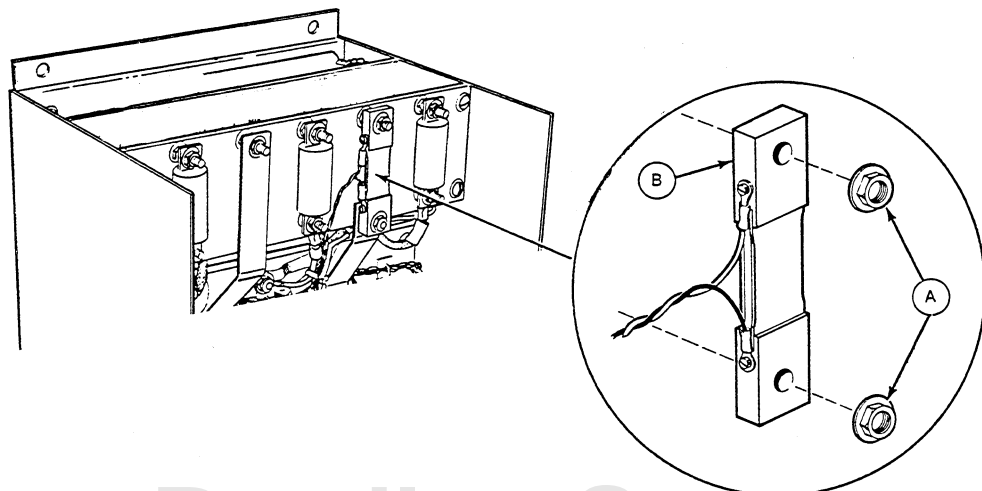


WARNING : Severe injury or death can result from electrical shock, burn, or unintended actuation of controlled equipment. Hazardous voltages may exist in the cabinet even with the circuit breaker in the off position. Recommended practice is to disconnect and lock out control equipment from power sources, and discharge stored energy in capacitors, if present. If it is necessary to work in the vicinity of energized equipment, the safety related work practices of NFPA 70E, Electrical Safety Requirements for Employee Workplaces, must be followed.

DO NOT work alone on energized equipment!

105 AMP MODULES:

1. Remove nuts (A) from the two brass bolts located on upper right-hand side of the fuse mounting plate.
2. Orient shunt (B) so that the screw terminals are located on the left side.
3. Using the screws provided on the side of the armature current shunt, connect existing gray/black twisted pair of wires. The location of the gray conductor on the side of the shunt does not effect drive operation.
4. Install shunt over the two brass bolts described in step 1. Wires must not be routed over front of shunt.
5. Reinstall the nuts (A) and then retighten the nuts to 35 inch pounds.



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Figure 1-1. Shunt Location in 105 Amp Drive Module

- 250 & 345 AMP MODULES:**
1. Remove two nuts (A) from the two brass bolts located on upper right-hand side of the fuse mounting plate. Do not remove the short piece of bus bar from the upper bolt.
 2. Orient shunt (B) so that the screw terminals are located on the left side with orientation pin (C) toward rear of drive.
 3. Using the screws provided on the side of the armature current shunt, connect existing gray/black twisted pair of wires. The location of the gray conductor on the side of the shunt does not effect drive operation.
 4. Make certain the screw terminals with attached wires are located on left side of the shunt and the orientation pin (C) is facing the bus bar. Install shunt over the two brass bolts described in step 1. Make certain the orientation pin(C) properly engages with the hole in the upper short piece of bus bar. Wires must not be routed over front of shunt.
 5. Reinstall the nuts (A) and then retighten to 75 inch pounds.

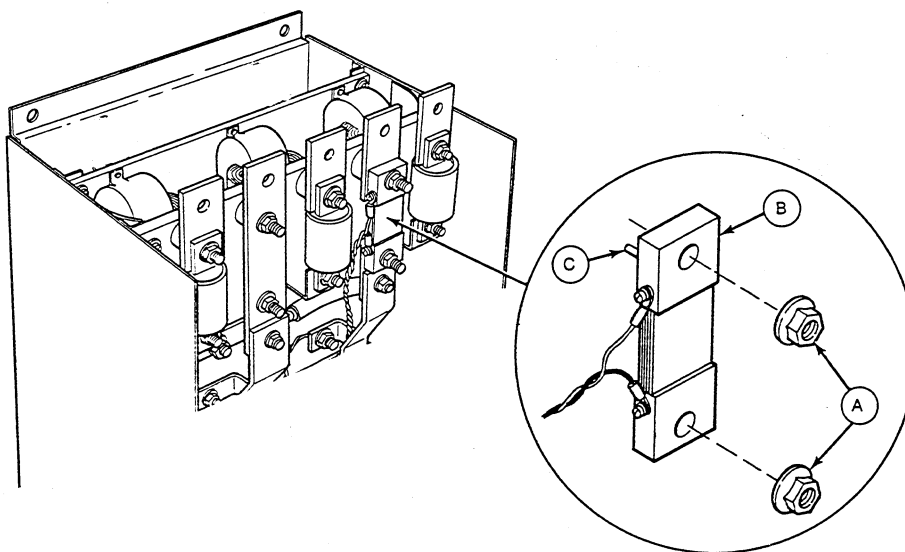


Figure1-2. Shunt Location in 250 & 345 Amp Drive Modules



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