Fan/Fan Transformer Replacement – Frame 5

Fan Transformer Replacement

A. Remove the R, S & T power wires from the terminal block. Remove the screws from the cover plate. See Figure 1.

B. Lift the cover plate up and remove the transformer connector from the circuit board. Position the board/cover plate to allow access to the transformer. See Figure 2.

C. Gain access to the two transformer screws by repositioning the terminal block and/or rail. The rail can be moved slightly by removing the end and middle mounting screws. A slot in the chassis (below terminal block) allows access to the back transformer screw.

D. Remove the two screws securing the transformer. Remove transformer and note jumper placement. Correctly position jumper on new transformer. Position and secure new transformer to chassis with screws previously removed. Re-assemble drive in reverse order. All screws should be tightened to 3.2 N-m (28 lb.-in.).
Fan Replacement - IP00, NEMA/UL
Type 1 Drives

A. Remove the four screws securing the plastic shield and HIM panel. Remove the shield and lay the HIM Panel to one side. Remove ground wire and MOV.

Figure 3

B. Remove screw securing fan cover. Remove fan connector. Slide fan enclosure down & out (see Figure 4).

Figure 4

C. Install the new fan in reverse order.

D. Tighten all screws to 3.2 N-m (28 lb.-in.).

Fan Replacement - IP54, NEMA/UL
Type 12 Drives

A. Remove the four screws securing the HIM panel. Position the HIM Panel off to the side. Refer to Figure 5.

B. Locate the Fan Assembly and disconnect the cable. Remove the 10 screws that secure the assembly. Pull the Fan Assembly straight out and discard.

Figure 5

C. Remove fan assembly and replace fan.

D. Re-assemble in reverse order. Verify that notch on bottom of assembly lines up with cut-out in chassis.

E. Verify Precharge Board alignment. Tighten all screws to 3.2 N-m (28 lb.-in.).
Notes: