

### ABSTRACT

This document will provide a procedure for the proper replacement of non-FM cables in T Frame motor. In order to prevent water intrusion, it is important to follow these instructions closely. For component identification, please see tech sheet 88WA2005A "Cable Entry Parts ID"

### PROCEDURE

- Label new cable to match previously installed cable and cut old cable off above the cable inlet
- Remove screws holding cable entry socket to motor cap (Figure 1) and remove cable entry socket from pump. **RECORD CABLE AND STATOR LEAD CONNECTIONS**
- After recording wiring connections, cut the stator lead as close as possible to the crimp connectors, and unscrew the ground wire. Completely remove cable inlet from pump.
- Unscrew Entry Strain Relief from cable inlet flange (Figure 2), and top of strain relief from bottom (Figure 3). Keep washers and grommets if replacements were not ordered
- Clean all mating surfaces, especially the cable entry bore  
NOTE: When cleaning leads **DO NOT CLEAN WITH BRAKE CLEANER OR SOLVENT**. The wire numbers will be wiped off



Figure 1

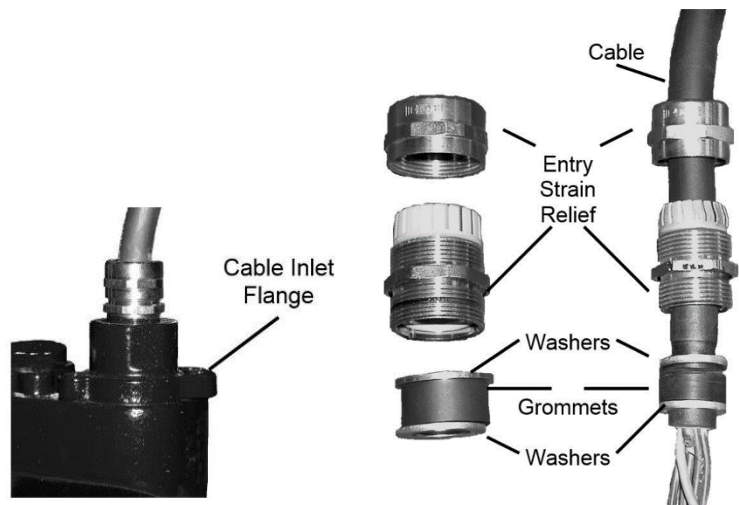


Figure 2

Figure 3

- Strip the cable sheathing on the replacement cable back to expose 9 inches of the leads.
- Reassemble the cable strain relief and cable inlet flange assembly on the new cable per Figures 2 and 3. Slide cable through top and bottom of strain relief, followed by washer, grommet, second washer, and then thread into cable entry socket.
- Tighten cable strain relief
- Tightly screw cable inlet flange into cable entry socket, keeping sheathed portion of cable flush with bottom of cable entry socket.
- Apply grease to O-ring groove on cable entry socket and install replacement O-ring (Figure 4)
- Connect cable and stator leads as previously recorded during disassembly. Use appropriately sized crimp connectors, such as 14AWG or 10AWG closed-end connectors (For 3-phase motors connect per Figure 5)
- Reinstall the ground lead and cable inlet flange using screws removed during disassembly



Figure 4

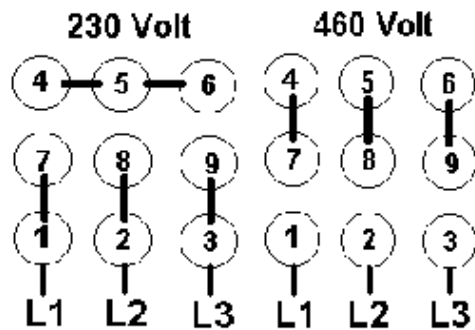


Figure 5