

ABSTRACT

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

PROCEDURE

- Cut old cables off above the cable inlet and remove ground leads from ground lug in underside of cap
- Remove screws holding cable entry socket to motor cap
- Remove cable entry socket from pump
- Loosen screws holding cable strain relief (Figure 1)
- Unscrew cable inlet flange from cable entry socket (Figure 2)
- Completely remove cable strain relief and cable from flange, being careful to keep the washers (Figure 3)
- Clean all mating surfaces, especially the cable entry bore (Figure 4)



Figure 1



Figure 2



Figure 3



Figure 4

- Strip the sheathing on the replacement cable back to expose the leads according to Figure 5
- NOTE: When cleaning leads **DO NOT CLEAN WITH BRAKE CLEANER OR SOLVENT**. The wire numbers will be wiped off
- Mark cable leads, matching the finished end of the cable
- Slide cable through top of cable inlet flange, followed by washer, replacement grommet, second washer, and cable entry socket. (Figure 6)
- Tightly screw cable inlet flange into cable entry socket, keeping sheathed portion of cable flush with bottom of cable entry socket.
- Tighten cable strain relief
- Install wire lugs onto leads
- Apply grease to O-ring groove on cable entry socket and install replacement O-ring (Figure 7)
- Install cable entry socket onto motor cap
- Attach ground leads to ground lug in underside of motor cap (Figure 8)

	Length of sheathing to remove
TP, GRP, T Motor	9 inches
P, F Motor	18 inches
G, H Motor	23 inches

Figure 5



Figure 6



Figure 7



Figure 8