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)
• 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)