

GRUNDFOS®



Leaders in Pump Technology

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Redi-Flo4™ Variable Performance Motor Lead Installation

INSTALLING THE MOTOR LEAD TO THE MOTOR

1. Before attaching the pump end to the motor, locate motor lead socket on the submersible motor. (See Figure 1)
2. Clean the motor lead socket of debris and moisture with a clean cloth.
3. Align the motor lead plug within the motor lead socket. A properly aligned plug will align over the screw holes located on the motor.
4. To secure the motor lead plug to the motor, insert the motor lead plug screws (as supplied in the kit P/N 790491) into the motor lead plug and tighten evenly to 18 in-lbs. The bottom of the motor lead plug should be flush with the top of the motor as shown in Figure 1. Up to 1 mm gap is acceptable between the center of the motor lead plug and the top of the motor as shown in Figure 1.
5. Motor is ready to be attached to pump end.
6. Refer to pump installation instructions, regarding installation of the cable guard to protect the motor lead.

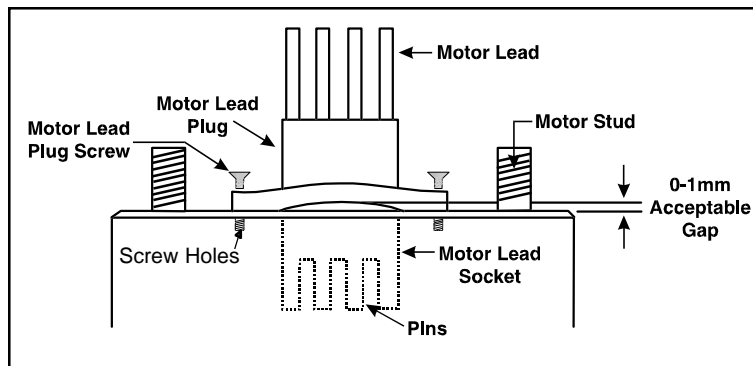


Figure 1

CABLE JOINT SPLICING INSTRUCTIONS

Included with the Redi-Flo Variable Performance Motor is a watertight splice kit that is to be used to connect the motor lead and the connector (as supplied P/N, ID8583).

The steps below must be followed to ensure a water tight splice.

1. Remove the connector from plastic bag.
2. Insert the wires of the connector through the threaded opening in the well seal and tighten (if a well seal is being used).
3. With the connector secured in the well seal, slip a shrink tube (as supplied, P/N 96022795) over each individual wire before crimping the wire connectors. (See Figure 2)
4. Place the blue striped end of each wire connector (as supplied, P/N 96022795) over each 16 gauge wire and crimp in place, using a bare terminal crimping tool.
5. Clean, dry then strip the motor lead wire ends 3/8 inches.
6. Match color coded wires of the motor lead with the matching colored wires of the connector.
The white wire of the connector matches to the yellow motor lead wire. Insert matched wires into wire connectors and crimp. (See Figure 2)
7. Center the shrink tubing over each wire connector. (See Figure 3)
8. Apply heat to shrink tubing, working from the center outward, to avoid air pockets. Shrink tubing to connector one at a time. A heat gun or propane torch with diffuser tip is recommended for shrinking the tubing. Sealing is complete when the shrink tube conforms to the shape of the connector and wire, and sealant flows from each end of the shrink tube. (See Figure 4)
If using a propane torch: **KEEP HEAT SOURCE MOVING. DO NOT OVERHEAT.**
9. The pump/motor is now ready for installation.

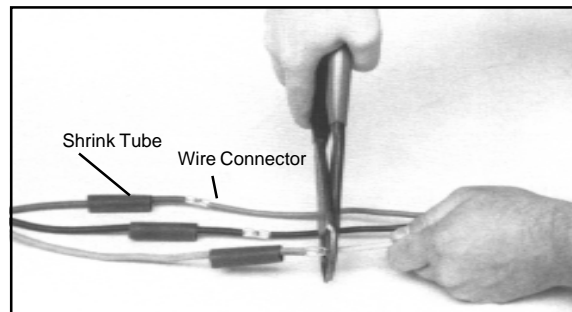


Figure 2

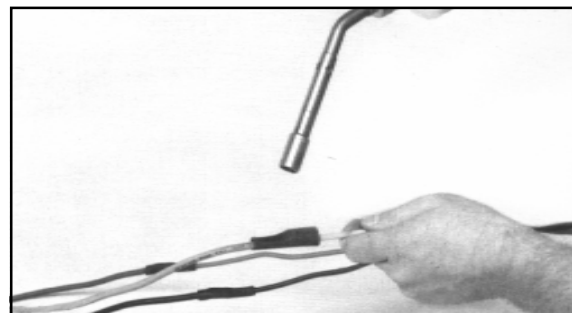


Figure 3

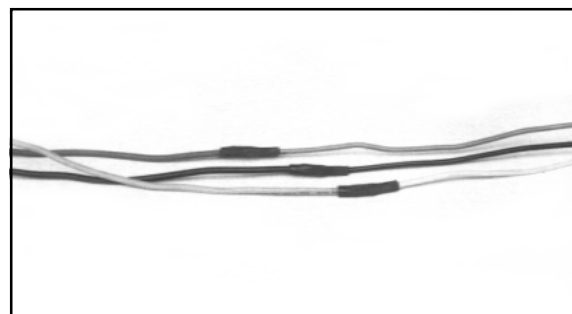


Figure 4