



# Instructions

## Subject: Water Booster Pump Motor Replacement

### SCOPE

These instructions are to be used to assist in the removal and replacement of the A.O Smith Motor for McCann's Water Boosters.

### Tools Required

- Flat Blade Screwdriver
- Socket Wrench
- Needle Nose Pliers
- 5/16" Socket
- 1/2" Socket
- 1/4" Socket

### A.O. SMITH MOTOR REMOVAL

#### Warning

**Electric Shock Hazard - Unplug unit before servicing.  
Failure to do so may result in serious injury or death.**

1. Unplug from power source (wall) and between motor/switch. (See Figure 1)
2. Remove pump motor clamp using either a flat blade screwdriver or 5/16" socket wrench. (See Figure 2)
3. Remove 4 motor mounting bolts from the mounting plate using a 1/2" socket wrench and remove the pump motor. (See Figure 3)

NOTE: Save the 4 bolts, nuts, and washers for use on the new motor.

### WIRE HARNESS REMOVAL / INSTALLATION

1. Remove electrical cover from the A.O. Smith motor using either a flat blade screwdriver or 1/4" socket wrench. (See Figure 4)
2. Disconnect the green ground wire using either a flat blade screwdriver or 1/4" socket wrench. (See Figure 5)
3. Disconnect the black & white wires using a pair of needle nose pliers to pull the spade connectors, set harness to the side. (See Figure 6)



Figure 1



Figure 2



Figure 3



Figure 4



Figure 5

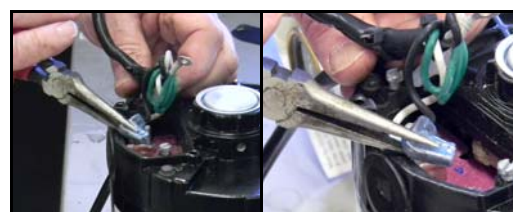


Figure 6

4. Remove the electrical cover from the new G.E. or Marathon motor using either a flat blade screwdriver or 1/4" socket wrench. (See Figure 7)



Figure 7

5. Attach harness to new motor by connecting the black wire spade connector to the brown #1 spade, and the white spade connector to the white #2 spade using a pair of needle nose pliers. (See Figure 8)



Figure 8

6. Attach the green ground wire from the harness to the new motor by removing the green screw using either a flat blade screwdriver or 1/4" socket wrench, inserting it through the connector, and tightening back down. (See Figure 9)

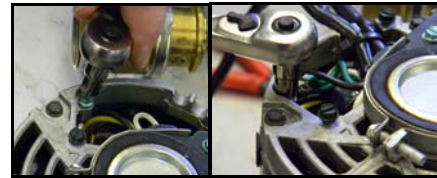


Figure 9

7. Neatly tuck wires back into the electrical area, use the 2 wire channels to guide the main harness wires out of the electrical area, and replace the electrical cover using either a flat blade screwdriver or 1/4" socket wrench. (See Figure 10)



Figure 10

**G.E. / MARATHON MOTOR INSTALLATION**

1. Bolt the new motor to the mounting plate with the 4 bolts, nuts, and washers that were removed from the A.O. Smith motor using a 1/2" socket wrench. (See Figure 11)



Figure 11

2. Align the water pump with the motor, attach and tighten pump motor clamp using either a flat blade screwdriver or 5/16" socket wrench. (See Figure 12)



Figure 12

3. Connect motor/switch wire and plug into power source (wall). (See Figure 13)



Figure 13

**FURTHER ACTIONS**

Contact Manitowoc Beverage Systems Service Sellersburg, Indiana if you have any questions or concerns: 800-367-4233.

