

### CHEMICAL FEEDER PUMP MOTOR REPLACEMENT



**CAUTION!** Many of the instructions and steps within this document require the use of tools. Only authorized personnel should ever perform any maintenance procedure on the machine!

*These machines come equipped with chemical feeder pumps to ensure proper warewashing results. Occasionally, the motors operating these pumps might need replacing. The instructions provided here are for maintenance personnel only. Unauthorized persons should not attempt any of the steps contained in these instructions.*

#### PREPARATION

- Power must be secured to the machine at the service breaker. Tag or lock-out the service breaker to prevent accidental or unauthorized energizing of the machine.



- Ensure that incoming water to the machine is secured either by use of a shut-off valve or disconnecting the incoming water line.
- The machine must be drained completely with the drain stopper removed.

#### TOOLS REQUIRED

- Phillips Screwdriver
- Needle-nose Pliers
- Wire Cutters
- Wire Strippers
- Crimping Tool

#### IMPORTANT NOTES

- Read these instructions thoroughly before attempting this maintenance task. Become familiar with the parts and what actions need to be taken. This will save time in the long run!
- These instructions show steps on only one of the three motors. However, the steps are the same for each one.

#### STEPS

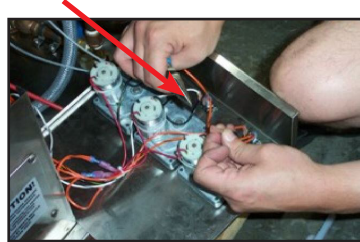
1. Remove the front door.
2. Remove the electrical box cover with the phillipshead screwdriver.



3. The cover must be laid-down close to the control box because of the attached wires. Be careful not to yank out or damage any of the wires as you move the cover.

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4. Determine which motor you wish to replace, or which one you wish to start with. Trace the wire leading from the motor to its corresponding prime switch. Trace the other wire from the motor to determine where it is connected.
5. With the needle-nose pliers, remove the motor wire from the prime switch, being careful not to damage the prime switch in the process. (If the prime switch is damaged, it will need to be replaced.)



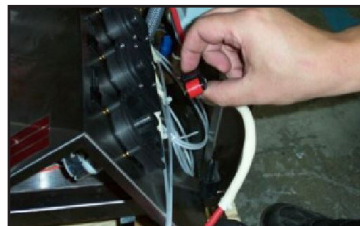
6. Turn the cover over and using the phillips screwdriver, remove the cover to the pump requiring a motor change.



7. With the cover removed, gently pull out the rubber tube from inside the pump.



8. Remove the roller by pulling it off of the shaft.



9. Using the phillips screwdriver, remove the four mounting screws for the motor.



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10. Once the screws are removed, the motor should drop away.



11. Cut away any tie-wraps that are holding the power wires and remove the motor.
12. Take your new motor and attach new terminals to the wires as required.
13. Re-mount the motor to the pump.
14. Place the roller and the rubber tube back in the pump casing. Place the pump cover back on and tighten-down with the four screws previously removed.
15. Re-attach the power wire and the wire for the priming switch.
16. Put the cover back on the control box and secure with the two screws previously removed.
17. Ensuring that all non-essential personnel are clear of the area and restore power to the machine. Turn the machine on. Using the priming switch, verify that the feeder pump operates and pumps fluid.
18. Replace the front door.



**NOTICE** *Work performed on machines by unauthorized or unqualified personnel may void the warranty. Before beginning this or any other maintenance on a machine under warranty, you should contact a qualified service agency.*