



**R24/R30 Glasswasher  
Maintenance Instructions**

# **Feeder Pump Motor Replacement**

Jackson glasswasher machines come equipped with chemical feeder pumps to ensure proper ware washing results. Occasionally, the motors operating these pumps may need replacing to maintain optimum performance.

Jackson offers all of the repair parts necessary for performing this task.

The instructions provided here are for maintenance personnel only. Unauthorized persons should not attempt any of the steps contained in these instructions.

**Warning: 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 dishmachine!**

## PREPARATION

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

2. Ensure that incoming water to the machine is secured either by use of a shut-off valve or disconnecting the incoming water line.

3. The unit must be drained completely with the drain stopper removed.

## TOOLS REQUIRED

The following tools will be needed to perform this maintenance evolution:

1. Phillipshead Screwdriver
2. Needlenose Pliers
3. Wire Cutters
4. Wire Strippers
5. Crimping Tool

## TIME REQUIRED

It is estimated that it will take (1) person thirty minutes per motor to perform this task, not including all of the items indicated in the section entitled "PREPARATION".

## IMPORTANT NOTES

1. 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!

2. These instructions show steps on only (1) of the three motors. However, the steps are the same for each one.

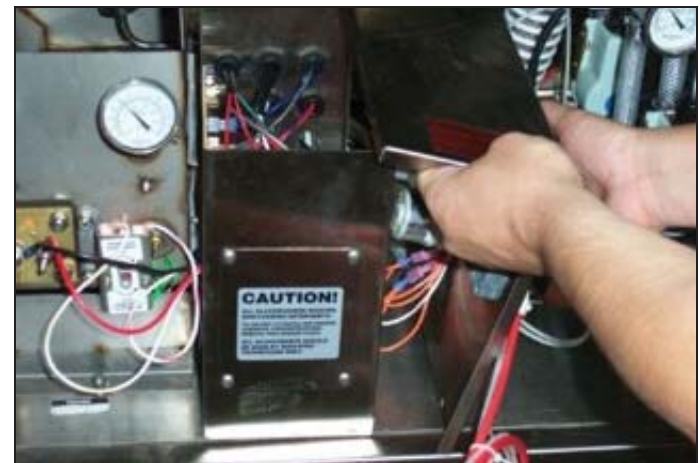
## STEPS

1. Remove the front door.

2. Remove the electrical box cover with the phillipshead screwdriver.



Removing the screws for the electrical box cover.

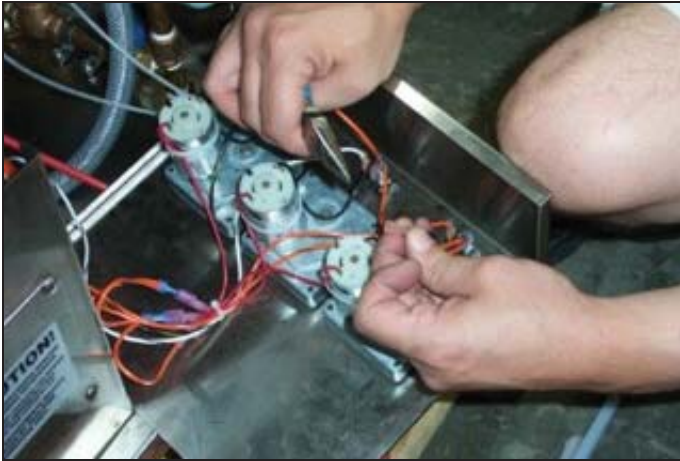


Removing the electrical box cover.

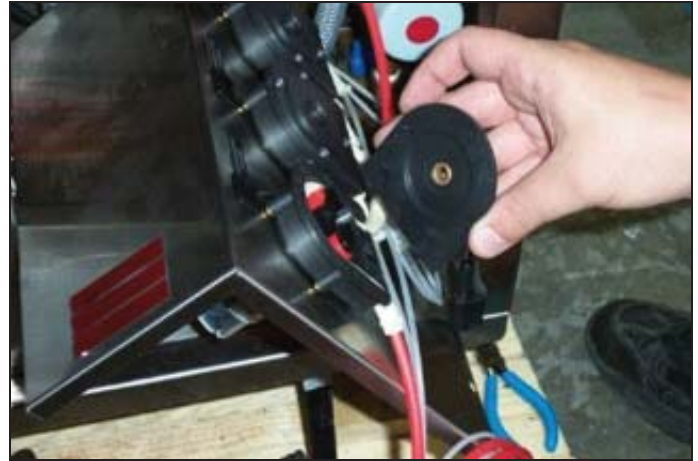
3. The cover must be laid down close to the control box because of the attached wires. Be careful not to yank out or damage any of the wires as you move the cover.

4. Determine which motor you wish to replace, or which one you wish to start with. Trace the wires leading from the motor to its corresponding prime switch. Trace the other wire from the motor to determine where it is connected.

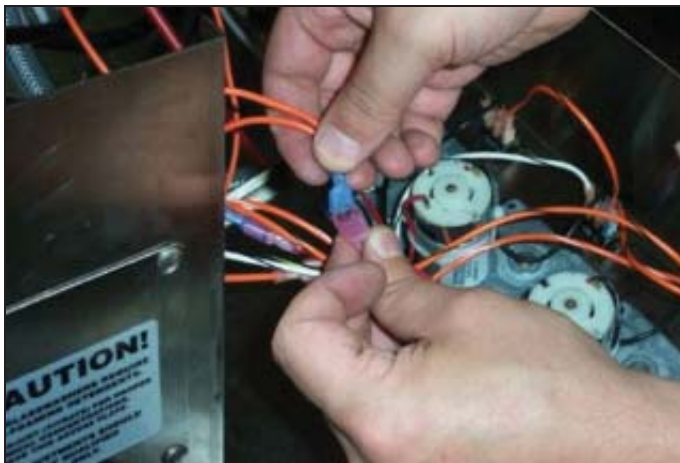
5. With the needlenose pliers, remove the motor wire from the prime switch, being careful not to damage the prime switch in the process. (If the prime switch is damaged, it will need to be replaced. Refer to the parts section of the technical manual for information regarding part numbers for ordering new prime switches.)



Removing the priming switch wire



Removing the front cover.



Unhooking motor power wire

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



Pulling the rubber tube out of the pump.

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



Removing the pump front cover screws.

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



Removing the roller.



Removing the motor mounting screws.

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



Removing the motor.

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. Remount 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 you previously removed.
15. Reattach 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, restore power to the unit. Turn the unit on and by using the priming switch, verify that the feeder pump operates and pumps fluid.

18. Replace the front door.

## **AFTER MAINTENANCE ACTIONS**

None.

## **SPECIAL NOTES**

Work performed on Jackson dishmachines by unauthorized or unqualified personnel may void the warranty. Before beginning this or any other maintenance evolution on a unit under warranty, you should contact a certified Jackson technician or Jackson Technical Service. You can find a list of qualified service agencies in the back of you unit's installation manual.

## **SPECIAL PARTS**

Glasswasher Feeder Pump Motor Replacment Kit:  
6401-003-12-49\*

\*The kit contains a motor and instructions.

## **CONTACT INFORMATION**

Jackson MSC Inc. provides technical support for all of the dishmachines detailed in this manual. We strongly recommend that you refer to this manual before making a call to our technical support staff. Please have this manual with you when you call so that our staff can refer you, if necessary, to the proper page. Technical support is available from 8:00 a.m. to 5:00 p.m. (EST), Monday through Friday. Technical support is not available on holidays. Contact technical support toll free at 1-888-800-5672. Please remember that technical support is available for service personnel only.