



**R24/R30 Glasswasher
Maintenance Instructions**

Wash Motor and Pump Replacement

Jackson glasswasher machines come equipped with wash pumps that have powerful motors attached to them to ensure proper ware washing results. Occasionally, these assemblies may require 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. 1/4" Nutdriver
2. 5/16" Nutdriver
3. Needlenose Pliers
4. 7/16" Combination Wrench
5. (2) 9/16" Combination Wrench

TIME REQUIRED

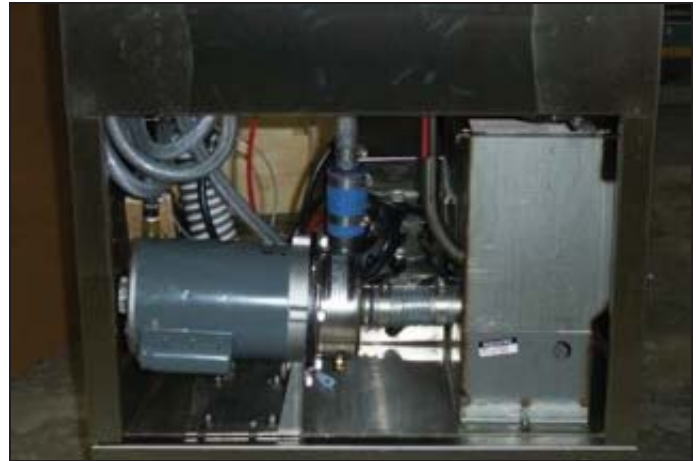
It is estimated that it will take (1) person ninety minutes per motor to perform this task, not including all of the items indicated in the section entitled "PREPARATION".

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!

STEPS

1. To access the assembly, you need to get access to the rear of the unit. This may require that water, drain and power lines be disconnected so that the unit can be moved for access.



Gain access to the rear of the machine.



Loosening the suction hose clamps.

2. Using the 5/16" nutdriver, loosen the clamps on the suction hose.



Loosening the discharge hose clamp.

- Using the same nutdriver, loosen the discharge hose where it connects to the tub weldment.
- Pull the discharge hose out and away from the tub.



Pulling the discharge hose out.

- Remove the motor assembly mounting nuts using the 7/16" combination wrench.



Removing the assembly mounting nuts.



Lifting up on the motor.

- With the nuts removed, grasp the motor assembly and lift up on it to clear the mounting studs.



Suction hose coming off when moving the assembly.

- Turn the motor so that you will have access to the wiring cover on the back. Be careful not to pull or yank too hard as the motor is still connected to the unit by way of the power lines.



Turn the motor so you can access the rear wiring cover.

- Use the 1/4" nutdriver to remove the wiring cover.



Removing the wiring cover.



Removing the grounding screw.

9. Using the 1/4" nutdriver, remove the grounding screw.



Removing the power wires.

12. Unscrew the conduit fitting from motor and pull out the wires. The assembly should be able to be removed from the unit and set on the floor.



Removing the power wires.

10. Take the needle-nose pliers and remove the power wires from the terminals within the motor.



The assembly removed from the unit.

13. With the unit on the floor, remove the discharge hose assembly from the pump end.



Cutting the terminals off of the power wires.

11. Using the cutting jaws of the needle-nose pliers, cut the terminals off of the power wires. Cut as close to the terminals as possible.



Removing the mounting bracket.

14. Use the two 9/16" combination wrenches to remove the bracket from the assembly.
15. Dispose of the old assembly.
16. Take the new motor assembly and attach to the mounting bracket.
17. Run the power wires to the motor, strip the insulation off of the wire ends and add terminals. Rewire the motor in accordance with the machine schematic, which is located on the back of the door.
18. Replace and secure the wire access cover and tighten down the conduit nut.
19. Place the discharge hose assembly back on the discharge of the pump and tighten down.
20. Lift the assembly into place within the unit, ensuring that the suction hose is attached and lines up. Move the assembly so the mounting bracket slides over the mounting studs. Position the assembly so that the suction hose is not kinked.
21. Replace and tighten down the nuts securing the bracket to the frame.
22. Tighten the clamps for the suction hose.
23. Connect the discharge hose to the tub and tighten down the hose clamp.

AFTER MAINTENANCE ACTIONS

Verify the operation of the new wash motor and pump assembly by running the unit for approximately 15 minutes. Check for leaks and correct as necessary.

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 your unit's installation manual.

SPECIAL PARTS

Motor Bracket Replacement Kit:
06401-003-12-60*

Wash Motor Replacement Kit
06401-003-12-62**

*The kit contains a bracket and locknuts.

**The kit contains the wash motor, pump and hardware.

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.