

# 15136/15365/15370 REPLACEMENT VACUUM PUMP MOTOR

Follow this procedure to replace the motor assembly in Model 15120A, 15400, 15434, or 15600 VacuMaster™ vacuum pumps. The numbers shown in parentheses in the instructions correspond to the callouts in the drawings.

## ⚠ WARNING ⚠



• **Unplug the station before beginning service work. Incorrect use or connections can cause electrical shock.**

## INSTRUCTIONS

1. Disconnect the power cord from the AC power line.
2. Remove the handle bolt (1) from the pump handle. *Note: Removing the o-ring on the handle bolt (1) will ease removal of the bolt.*
3. Loosen, but do not remove, the four handle screws (2) holding the handle to the motor. (Two screws at back of handle not pictured.)
4. Set the pump on its nose, and remove the base (3).
5. Remove the four bolts (4) that hold the motor to the pump adapter housing, and separate the motor from the pump.
6. Install the new coupler halves (5) and key (6) to the new motor shaft and to the pump shaft. *Note: Position the new rubber "spider" (7) between the two couplers.*
7. Install the new motor, and tighten the clamp bolts (4). Then adjust the new coupler (5) so the two halves are approximately  $\frac{1}{16}$ " to  $\frac{1}{8}$ " apart from each other.
8. Re-install the base (3).
9. Remove the old seals (9) from the handle bolt (1), and replace them with the seals provided. Lubricate the new o-rings with a small amount of vacuum grease. Robinair recommends our High Vacuum Grease (part number 13067) to lubricate o-rings.
10. Install and finger-tighten the handle bolt (1).
11. Tighten the four handle screws (2).
12. If you have a torque wrench, tighten the handle bolt (1) to 120 in-lbs. Otherwise, tighten the handle bolt snugly, but don't overtighten!
13. Apply the appropriate decal for your vacuum pump model to the motor. Pump motors for the 15120A pumps have the decal attached.

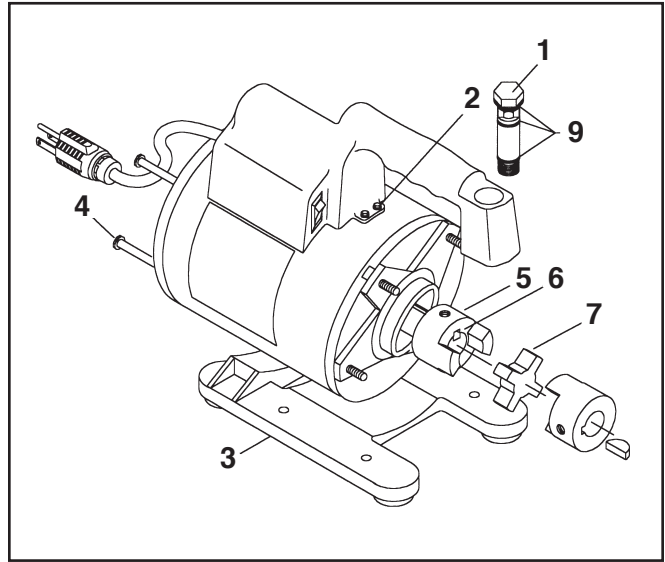


Diagram of Motor and Handle Assembly



For more information call toll-free  
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Because of ongoing product improvements, we reserve the right to change design, specifications, and materials without notice.

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