



1991 Mustang HVAC Blower Motor Replacement

Replace HVAC blower motor.

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INTRODUCTION

Swapping out a blower motor is a relatively easy job. It's a little tougher on vehicles that were designed to have the blower motor inside the vehicle, rather than under the hood. This is due to a lack of workspace and awkward body positions. But have patience, it can be done in as little as 15 minutes if you follow the right steps!



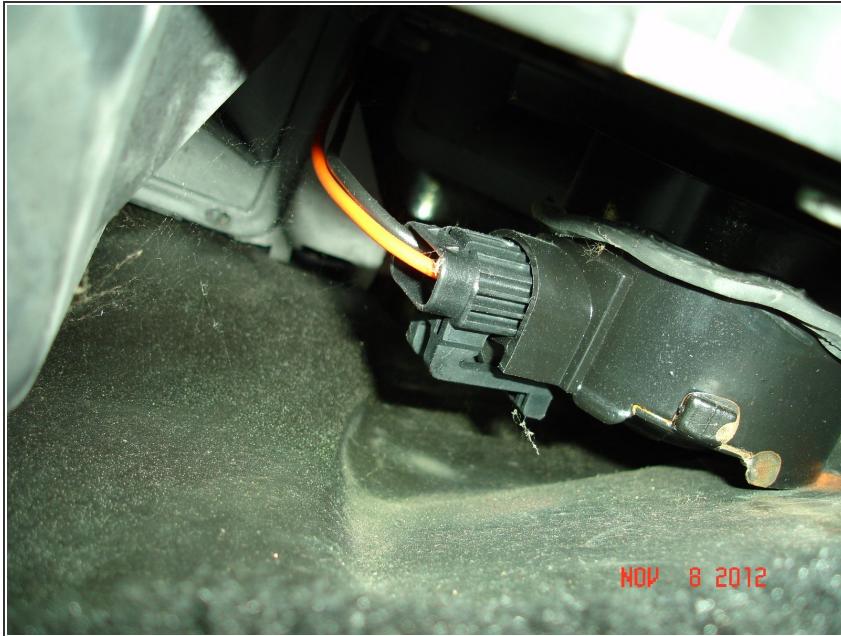
PARTS:

- [Blower motor \(1\)](#)

Murray Climate Control

Save yourself some money, un-install current blower motor to check if the fan is ok or not. If it's good, dont waste \$100+ on a blower motor with a new fan. Just put your old fan on a new motor. A new blower motor without a fan is only about \$30-\$50

Step 1 — HVAC Blower Motor



- 1. Reach back behind the fan motor and disconnect the two pin power plug.

Step 2 — Open wide!



- 2. Squeeze the glove compartment sides inward to disengage the retaining tabs. Let the compartment door hang in front of the dash.
- 3. Remove the upper air inlet duct housing to bracket screw. A 7/16" ratcheting wrench works well since clearances are tight. A socket will not fit.

Step 3 — Grab the vacuum



- 4. Disconnect the white recirc vacuum motor vacuum line from the top of the vacuum motor.

Step 4



- 5. Close the glove compartment door and remove the lower two 5/16" screws from under the air inlet duct housing.

Step 5



- 6. The housing is now free to be removed from the dash. Gently lift the housing and tilt it clockwise to gain enough clearance to pull it free from the dash. I did not remove the lower right trim panel since it did not cause any interference.
- 7. Disconnect the rubber cooling tube (recirc line) from the blower housing and the blower motor case.

Step 6



- 8. Remove the four 5/16" screws that hold the blower motor assembly in the housing and gently pull the

motor assembly free from the housing.

- 9. Remove the metal pushnut from the blower motor and wheel assembly.
- 10. Separate the wheel assembly from the blower motor shaft by gently prying between the two with a suitable tool.
- 11. You may want to clean the ducting and wheel at this time. I used Clorox wipes for the inside of the ducting and a mixture of bleach and dish soap for the plastic blower wheel.
- 12. Install the blower wheel onto the blower motor shaft by matching up the flats and pressing it into place by hand. Once the wheel is fully inserted, secure the wheel with a new metal pushnut.
- 13. Apply some Permatex black gasket maker (or equivalent) around the motor cutout and gently slip the replacement motor and wheel assembly into place.
- 14. Install the four 5/16" motor flange screws into the housing and tighten them. Do not over-torque.

Step 7



- 18. My replacement fan motor did not have the motor cooling hole oriented in right location, so I modified it with Dorman PN: 47062 (universal 90 degree 5/8" heater hose elbow). The Dorman plastic elbow ends have to be cut back with a hacksaw about 3/4" from each end. The rubber hose can be cut with a pair of sharp scissors. Flip the motor end of the hose 180 degrees (backwards) so the 90 degree elbow will allow it to mate up with the housing end of the hose. Use a pair of hose clamps to secure the rubber hose to the 90 degree elbow. Do not overtighten the hose clamps as the hose rubber is quite thin. Measure twice, cut once.
- 19. Take the completed air inlet duct housing with the motor installed back to the car.

Step 8



- 20. Since the replacement does not come with a power plug installed, you will have to cut the factory plug off (sorry). Connect the blower motor power leads to the factory wires with suitable electrical connectors. I used 12GA solder splices. Keep in mind that the motor will pull 16 to 22 amperes continuously when running in HIGH speed.

To reassemble your device, follow these instructions in reverse order.