

# **Component Procedures: Blower Motor**

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# Component Procedures: Blower Motor

## Parts and Labor (itype\_189)

### Parts

Qualifier	Part #	Name	Price	Note
Blower Motor	4864952	Blower Motor	195.00	

### Labor

Operation	Qualifier Path	Skill	Std Hrs	Wty Hrs
Replace	Fb 1414546 - Ihf	B	0.8	0.6

## System Operation (Article 2049672)

Hardwired to control head = resistor block

### SYSTEM DESCRIPTION

The

blower motor

and blower wheel are located in the passenger side end of the heater-A/C housing, below the glove box. The

blower motor control

s the velocity of air flowing through the heater-A/C housing by spinning a squirrel cage-type blower wheel within the housing at the selected speed. The blower motor and wheel can be removed through an opening in the engine compartment side of the dash panel without heater-A/C housing removal.

The blower motor will only operate when the ignition switch is in the On position, and the heater-A/C mode control switch

knob is in any position, except Off. The blower motor receives a ground feed at all times. The blower motor

battery feed circuit is protected by a fuse in the fuseblock module for all blower speeds except high. The

high speed battery feed circuit is protected by a fuse in the Power Distribution Center

(PDC)

. Blower motor speed is controlled by regulating the battery feed through the

blower motor switch

,

blower motor resistor

, and a

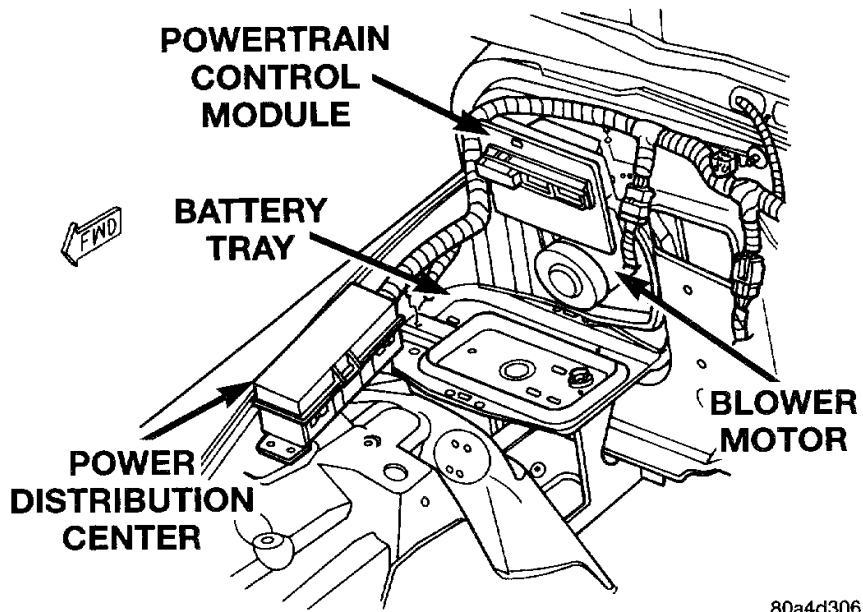
blower motor relay

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The blower motor and blower motor wheel cannot be repaired and, if faulty or damaged, they must be replaced.

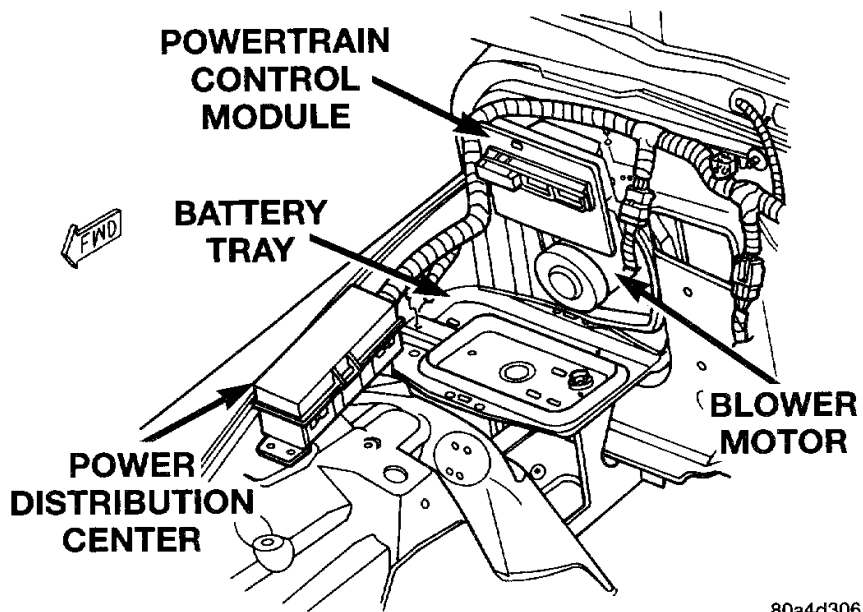
The blower motor and blower wheel are serviced only as a unit.

## Components (itype\_32)

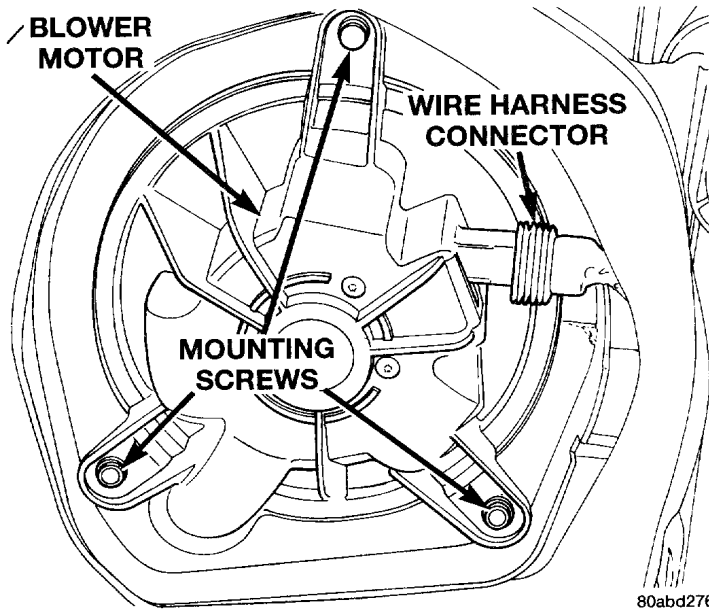


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Procedures (itype\_376)



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### Technician Safety Information (itype\_15)

WARNING: ON VEHICLES EQUIPPED WITH AIRBAGS, REFER TO RESTRAINT SYSTEMS / AIRBAG SYSTEMS BEFORE ATTEMPTING ANY STEERING WHEEL, STEERING COLUMN, OR INSTRUMENT PANEL COMPONENT DIAGNOSIS OR SERVICE. FAILURE TO TAKE THE PROPER PRECAUTIONS COULD RESULT IN ACCIDENTAL AIRBAG DEPLOYMENT AND POSSIBLE PERSONAL INJURY

### Mechanical (including Torque) (itype\_28)

Tighten the three screws that secure the blower motor and wheel assembly to the heater- A/C housing screws to 2.2 Nm (20 in. lbs.)

### Blower Motor Noise and Vibration Diagnosis (Article 2044404)

WARNING: ON VEHICLES EQUIPPED WITH AIR-BAGS, REFER TO AIRBAG AND SEAT BELTS/AIR BAGS BEFORE ATTEMPTING ANY STEERING WHEEL, STEERING COLUMN, OR INSTRUMENT PANEL COMPONENT DIAGNOSIS OR SERVICE. FAILURE TO TAKE THE PROPER PRECAUTIONS COULD RESULT IN ACCIDENTAL AIRBAG DEPLOYMENT AND POSSIBLE PERSONAL INJURY

Possible causes of an inoperative

blower motor

include:

- Faulty fuse
- Faulty blower motor circuit wiring or wire harness connections
- Faulty

blower motor resistor

blower motor relay

blower motor switch

- Faulty heater-A/C

mode control switch

Faulty blower motor.

Possible causes of the blower motor not operating in all speeds include:

- Faulty blower motor switch

- Faulty blower motor

resistor

- Faulty blower motor relay

- Faulty blower motor circuit wiring or wire harness connectors.

Vibration

Possible causes of blower motor vibration include:

- Improper blower motor mounting
- Improper blower wheel mounting
- Blower wheel out of balance or bent
- Blower motor faulty.

Noise

To verify that the blower is the source of the noise, unplug the blower motor wire harness connector and operate the heater-A/C system. If the noise goes away, possible causes include:

- Foreign material in the heater-A/C housing