

8. If necessary, remove the pushnut from the motor shaft and slide the wheel from the shaft.
9. Installation is the reverse of removal. If the wheel was removed from the motor shaft, make sure it is reinstalled so the outside of the wheel is 3.62–3.70 in. (92–94mm) from the blower motor mounting plate.
10. Connect the negative battery cable and check for proper blower motor operation.

**Mark VII**

1. Disconnect the negative battery cable.
2. Remove the glove box liner.
3. Use a small flat bladed tool to remove the clip retaining the hydraulic damper strut, if equipped.
4. Disconnect the wires at the blower motor.
5. Remove the four retaining screws and pull the blower motor from the heater case.
6. Remove the pushnut and slide the blower wheel from the shaft.

**To install:**

7. Using a new seal, position the blower motor and motor wheel assembly to the motor housing with the flat side of the flange near motor switch resistor.
8. Install the four retaining screws.
9. Tape the blower motor power lead to the air inlet duct to keep the wire away from the blower outlet during installation.
10. Install the blower motor and motor wheel assembly into the vehicle.
11. Attach the blower motor wiring.
12. Connect the negative battery cable.
13. Check the blower motor operation in all speeds.
14. Install the glove compartment liner.
15. Check the operation of the system.

**Mark VIII**

1. Lower the glove compartment door to gain access to the rear of the evaporator case.
2. Disconnect the blower motor electrical connector.
3. Remove the two screws and remove the A/C evaporator air control venturi and automatic temperature control sensor hose and elbow.
4. Remove the two screws and remove the A/C blower motor speed control.
5. Remove the attaching screws and pull the A/C blower motor out of the A/C evaporator housing.
6. Pull the blower motor wheel retainer off of the A/C blower motor shaft and remove the A.C blower wheel from the shaft.

**To install:**

7. Install the A/C blower wheel on the A/C blower motor shaft.
8. Install the A/C blower motor assembly in the AC evaporator housing and install the last screw removed.
9. Install the A.C blower motor speed control module.
10. Install the A.C evaporator air control venturi and connect the automatic temperature control sensor hose and elbow.
11. Connect the A/C blower motor electrical connector.

**Heater Core****\*\*\* CAUTION**

**Never open, service or drain the radiator or cooling system when hot; serious burns can occur from the steam and hot coolant. Also, when draining engine coolant, keep in mind that cats and dogs are attracted to ethylene glycol antifreeze and could drink any that is left in an uncovered container or in puddles on the ground. This will prove fatal in sufficient quantities. Always drain coolant into a sealable container. Coolant should be reused unless it is contaminated or is several years old**

**REMOVAL & INSTALLATION****Town Car**

1. Disconnect the negative battery cable.
2. Drain the cooling system and disconnect the heater hoses from the heater core tubes. Plug the hoses and the heater core tubes to prevent coolant leakage.
3. Remove the 3 nuts located below the windshield wiper motor attaching the left end of the plenum to the dash panel. Remove the 1 nut retaining the upper left corner of the evaporator case to the dash panel.
4. Disconnect the vacuum supply hose(s) from the vacuum source. Push the grommet and vacuum supply hose(s) into the passenger compartment.
5. Remove the right and left lower instrument panel insulators.
6. On 1988–93 vehicles:
  - a. Remove the 3 glove compartment hinge screws, disconnect the check arms and remove the glove compartment. Loosen the right door sill plate and remove the right side cowl trim panel. Remove the bolt attaching the lower right end of the instrument panel to the side cowl. Remove the instrument panel pad as follows:
    - b. Remove the 2 screws attaching the pad to the instrument panel at each defroster opening. Be careful not to drop the screws into the defroster openings.
    - c. Remove the one (shouldered) screw attaching each outboard end of the pad to the instrument panel.
    - d. Remove the line of screws attaching the lower edge of the pad to the instrument panel. Pull the instrument panel pad rearward and remove it from the vehicle.
7. On 1988–89 vehicles:
  - a. Remove all instrument panel mounting screws and pull the instrument panel back as far as it will go without disconnecting any wiring harnesses.
  - b. Make sure the nuts attaching the instrument panel braces to the dash panel are removed.
  - c. Loosen the right door sill plate and remove the right side cowl trim panel.
  - d. Disconnect the temperature control cable from the ATC sensor. Disconnect the vacuum harness line connector from the ATC sensor har-

ness and disconnect the electrical connector from the ATC servo connector.

8. On 1990–00 vehicles:
    - a. Remove the cross body brace and disconnect the wiring harness from the temperature blend door actuator.
    - b. Disconnect the ATC sensor tube from the evaporator case connector.
  9. Disconnect the vacuum jumper harness at the multiple vacuum connector near the floor air distribution duct. Disconnect the white vacuum hose from the outside-recirculating door vacuum motor.
  10. Remove the 2 hush panels.
  11. Remove 1 plastic push fastener retaining the floor air distribution duct to the left end of the plenum. Remove the left screw and loosen the right screw on the rear face of the plenum and remove the floor air distribution duct.
  12. Remove the 2 nuts from the 2 studs along the lower flange of the plenum.
  13. Carefully move the plenum rearward to allow the heater core tubes and the stud at the top of the plenum to clear the holes in the dash panel. Remove the plenum from the vehicle by rotating the top of the plenum forward, down and out from under the instrument panel. Carefully pull the lower edge of the instrument panel rearward, as necessary, while rolling the plenum from behind the instrument panel.
  14. On 1988–1989 vehicles, remove the ATC servo from the plenum.
  15. Remove the 4 retaining screws from the heater core cover and remove the cover from the plenum assembly. Pull the heater core and seal assembly from the plenum assembly.
- To install:**
16. Carefully install the heater core and seal assembly into the plenum assembly. Visually check to ensure that the core seal is properly positioned. Position the heater core cover and install the 4 retaining screws.
  17. On 1988–1989 vehicles, install the ATC servo on the plenum.
  18. Route the vacuum supply hose through the dash panel and seat the grommet in the opening.
  19. Position the plenum under the instrument panel with the register duct opening up and the heater core tubes down. Rotate the plenum up behind the instrument panel and position the plenum to the dash panel. Insert the heater core tubes and mounting studs through their respective holes in the dash panel and the evaporator case.
  20. Install the 3 nuts on the studs along the lower flange and one on the upper flange of the plenum. Install the 3 nuts below the windshield wiper motor to attach the left end of the plenum to the dash panel and the one nut to retain the upper left corner of the evaporator case to the dash panel.
  21. Position the floor air distribution duct on the plenum. Install the 2 screws and plastic push fastener. If removed, position the panel door vacuum motor to the mounting bracket and install the 2 attaching screws.
  22. Connect the white vacuum hose to the outside-recirculating door vacuum motor. Connect the vacuum jumper harness to the plenum harness at the multiple vacuum connector near the floor air distribution duct. Install the floor duct.
  23. If equipped with manual air conditioning,