

ferent models use different simulators in the same year, always check and be sure the right tool is being used.

1. Disconnect the negative, then the positive battery cables.
2. Wait one minute for the backup power supply in the diagnostic monitor to deplete its stored energy.
3. Remove the fasteners attaching the air bag module to the steering wheel.
4. Disengage the driver air bag electrical connector, then attach Air Bag Simulator Tool, or equivalent to the vehicle harness connector.

➔ **If your vehicle is equipped with a passenger side air bag, both the driver and the passenger air bag modules must be disconnected.**

5. If equipped with a passenger air bag, proceed as follows:
  - a. Remove the right-hand and passenger side finish panels.
  - b. Remove the instrument panel finish panel retaining spear clips.
  - c. Open the glove compartment, press the sides inward, and then lower the glove compartment to the floor.
  - d. Working through the glove compartment opening, remove the two lower air bag module retaining bolts.
  - e. Remove the four remaining air bag module retaining screws from the side of the air bag cover.
  - f. Disengage the electrical connector from the left side of the air bag, then remove the air bag module.

## HEATING AND AIR CONDITIONING

Vehicle air conditioning is the cooling or refrigeration of the air in the passenger compartment. Refrigeration is accomplished by making practical use of the laws of nature. HEAT GOES TO LESS HEAT. All this means is that heat transfers. If two substances of different temperature are placed near each other, the heat in the warmer substance will always travel to the colder substance until both are of equal temperature.

As a fail-safe, the air handling system is designed to provide defrost when no vacuum is applied to any of the vacuum control motors. This is done to prevent a situation where defrost cannot be obtained due to a system vacuum leak. Instead, a leak in the vacuum control circuit will send all airflow to the defroster outlets. This condition may occur during acceleration (slow vacuum leak), may exist at all times (large vacuum leak), and may happen only when certain specific functions are selected, indicating a leak in that portion of the circuit.

### Blower Motor

#### REMOVAL & INSTALLATION

##### Continental 1988-94

♦ See Figures 20 thru 27

1. Disconnect the negative battery cable.
2. Open the glove compartment door, release the door retainers and lower the door.

### CAUTION

**When carrying a live air bag, make sure the bag and trim cover are pointed away from the body. In the unlikely event of an accidental deployment, the bag will then deploy with the minimal chance of injury. In addition, when placing a live air bag on a bench or other surface, always face the bag and trim cover up, away from the surface. This will reduce the motion of the unit if it is accidentally deployed.**

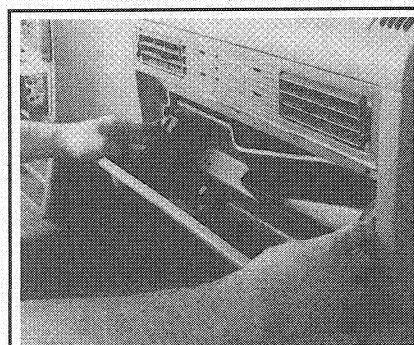
- g. Attach the Air Bag Simulator Tool, or equivalent to the vehicle harness connector.
6. Connect the positive battery cable, then the negative battery cable.

#### ARMING THE SYSTEM

##### 1990-91

1. Disconnect the negative battery cable and the backup power supply.
2. Remove the jumper wire from the air bag terminals on the clockspring assembly and reattach the air bag connector.
3. Position the driver air bag on the steering wheel with the 4 nut and washer assemblies. Tighten the nuts to 24-32 inch lbs. (2.7-3.7 Nm).
4. Connect the backup power supply and negative battery cable. Verify the air bag light

3. Remove the screw attaching the recirculation duct support bracket to the instrument panel cowl.
4. Remove the vacuum connection to the recirculation door vacuum motor. Remove the aspirator hoses to the muffler. Remove the screws attaching the recirculation duct to the heater assembly.
5. Remove the recirculation duct from the heater assembly, lowering the duct from between the instrument panel and the heater case.
6. Disconnect the blower motor electrical lead. Remove the blower motor wheel clip and remove the blower motor wheel.



**Fig. 20** Release the glove compartment door retainers, then lower the door

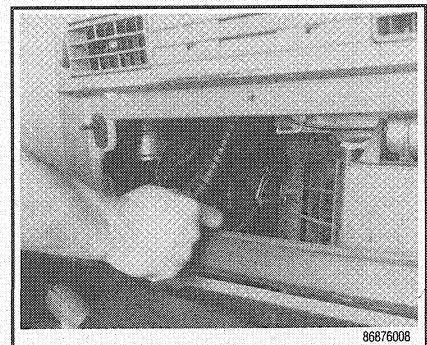
##### 1992-00

1. Disconnect the negative, then the positive battery cables. Wait 1 minute for the backup power supply in the diagnostic monitor to deplete its stored energy.
2. Remove the air bag simulator from the vehicle harness connector at the top of the steering column. Reconnect the driver air bag connector.
3. Position the driver air bag on the steering wheel with the 4 nut and washer assemblies. Tighten the nuts to 24-32 inch lbs. (3-4 Nm).
4. If equipped with a passenger air bag, remove the air bag simulator from the vehicle harness connector and reconnect the passenger air bag. Proceed as follows:
  - a. Position the air bag module in the instrument panel.
  - b. Install the 2 rear screws and tighten to 24-32 inch lbs. (3-4 Nm). Install the 2 front screws and tighten to 68-92 inch lbs. (8-10 Nm).
  - c. Return the glove compartment to its proper position.
  - d. Install the instrument cluster finish panel and tighten the screws to 17-27 inch lbs. (2-3 Nm).
  - e. If removed, install the right-hand register applique and tighten the screws to 17-27 inch lbs. (2-3 Nm).
  - f. Install the instrument panel lower moulding.
5. Connect the positive, then the negative battery cables and verify the air bag light.
6. Ensure the air bag indicator light turns off after approximately 6 seconds. If the light does not illuminate at all, does not turn off, or starts to flash, have the system tested by a qualified automotive technician. If the light does turn off after 6 seconds and does not flash, the SRS is working properly.

7. Remove the blower motor mounting plate screws and remove the blower motor from the evaporator case.

#### To install:

8. Feed the blower motor electrical connector through the evaporator housing.
9. Position the blower motor into the evaporator housing. Install the retaining screws, making sure the mounting seal is in place.
10. Assembly to blower motor to the shaft aligning the flat on the shaft with the flat on the inside diameter of the blower wheel hub. Slide the blower motor wheel onto the blower motor shaft until the wheel is fully seated.



**Fig. 21** Remove the screws attaching the recirculation duct to the heater assembly, then remove the duct