

### HEATER CORE

#### REMOVAL AND INSTALLATION

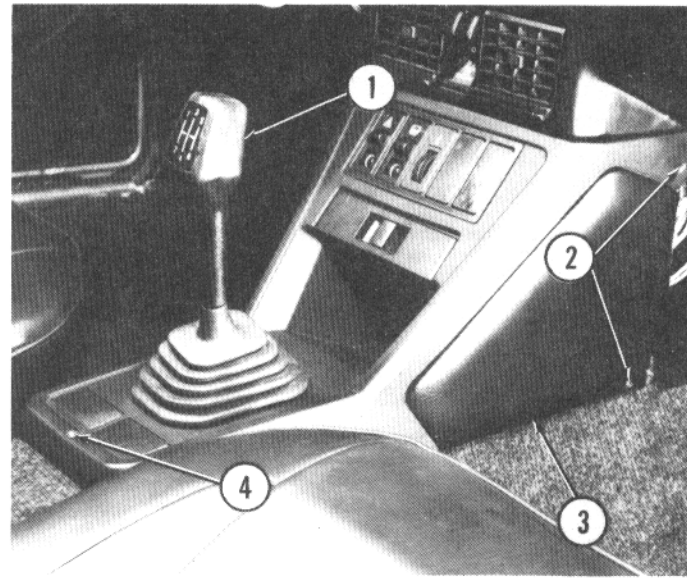
Disconnect battery ground cable. Drain cooling system.

Unscrew gearshift knob (1).

Remove five screws (2 and 4) holding lower console (3).

Tilt end of console up until it clears gearshift lever and lay it to one side.

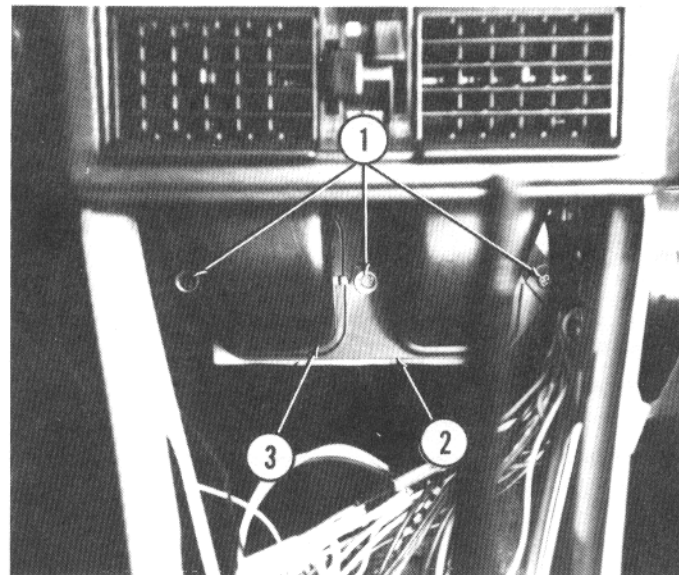
1. Gearshift knob 2. Screws 3. Lower console 4. Screw



Remove three screws (1) and two retaining plates (2) holding center vent duct (3) to housing.

Remove center vent duct.

1. Screws 2. Retaining plate 3. Center vent duct

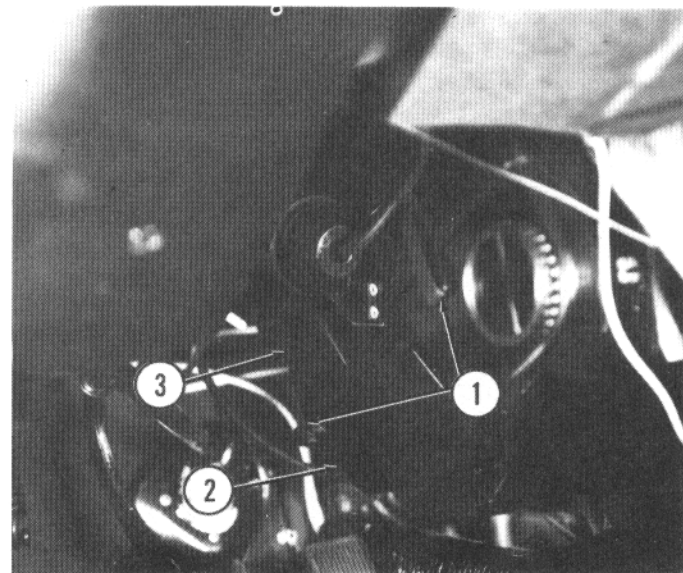


Working in passenger's side footwell, remove access panel covering expansion valve.

Lower fuse/relay panel and set to one side.

Working in both footwells, remove four clips (1) holding lower housing (2) to center housing (3). Lower assembly down to floor.

1. Clips 2. Lower housing 3. Center housing



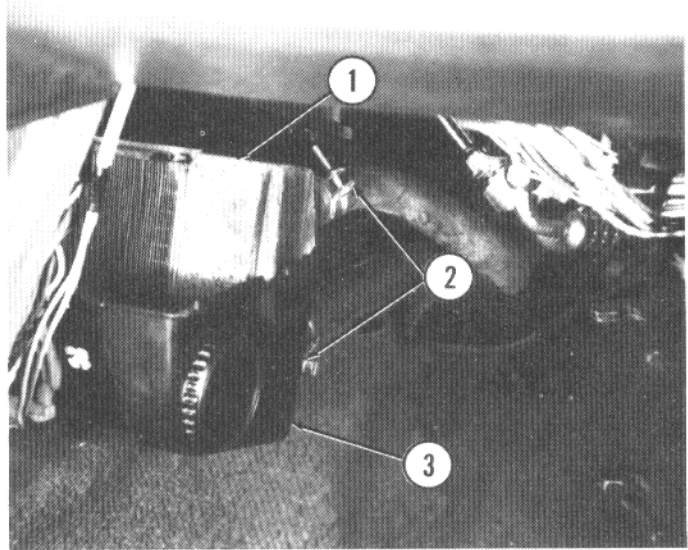
Place container on floor to catch coolant.

Loosen two hose clamps (2) and disconnect hoses from heater core (1).

Remove heater core from lower housing (3).

Install in reverse order.

1. Heater core 2. Hose clamps 3. Lower housing



## A/C-HEATER UNIT

### REMOVAL AND INSTALLATION

**NOTE:** A/C-heater unit must be removed to remove evaporator, blower assembly and water valve.

Disconnect battery ground cable. Drain cooling system.

Purge A/C system. Refer to procedures in this section.

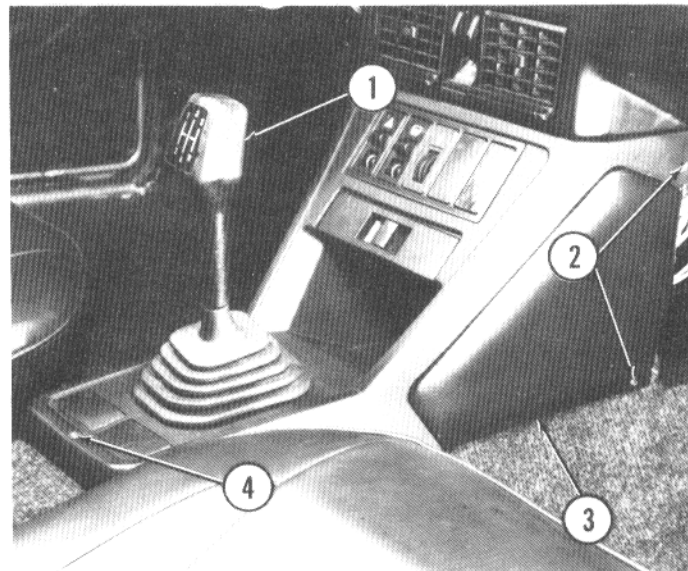
Unscrew gearshift knob (1).

Remove five screws (2 and 4) holding lower console (3).

Tilt end of console up until it clears gearshift lever and disconnect all electrical connectors.

Remove lower console.

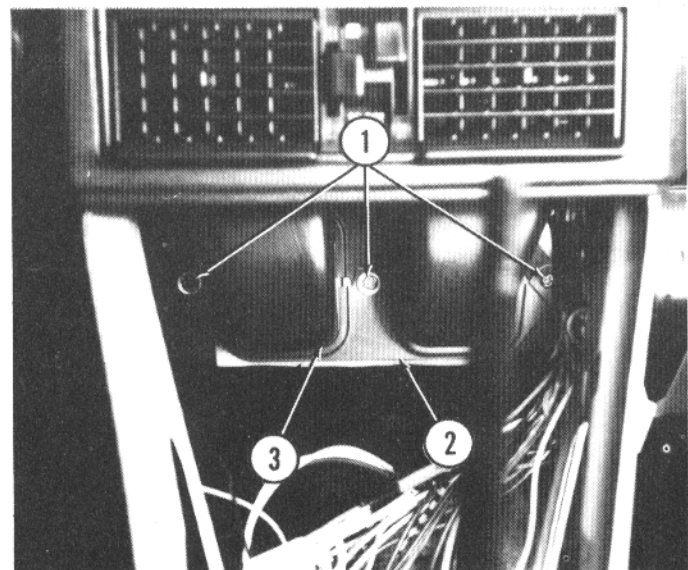
1. Gearshift knob 2. Screws 3. Lower console 4. Screw



Remove three screws (1) and two retaining plates (2) holding center vent duct (3) to housing.

Remove center vent duct.

1. Screws 2. Retaining plate 3. Center vent duct



Working in passenger's side footwell, remove access panel covering expansion valve.

Lower fuse/relay panel and set to one side.

With container on floor to catch coolant, loosen clamp (1) and disconnect heater core outlet hose (2).

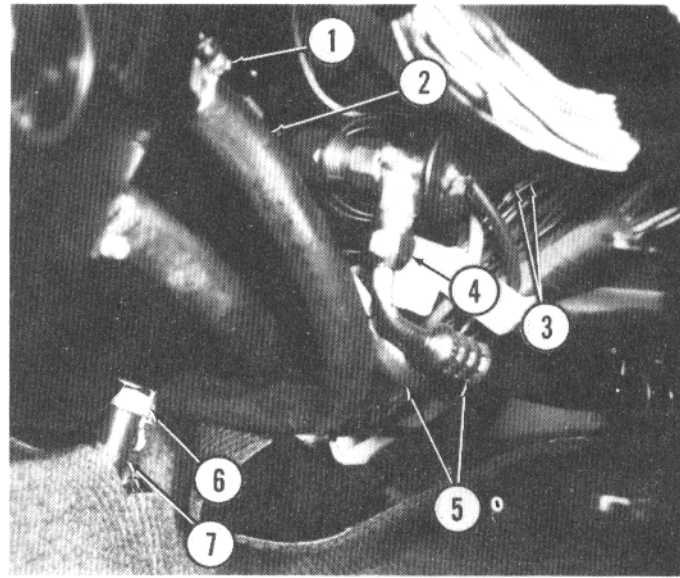
Loosen fittings (4) and disconnect high and low pressure lines (5).

Loosen clamp (6) and disconnect drain hose (7).

Disconnect blower motor electrical connector.

Disconnect electrical leads (3) from frost prevent switch.

1. Clamp 2. Outlet hose 3. Electrical leads 4. Fitting  
5. Pressure lines 6. Clamp 7. Drain hose

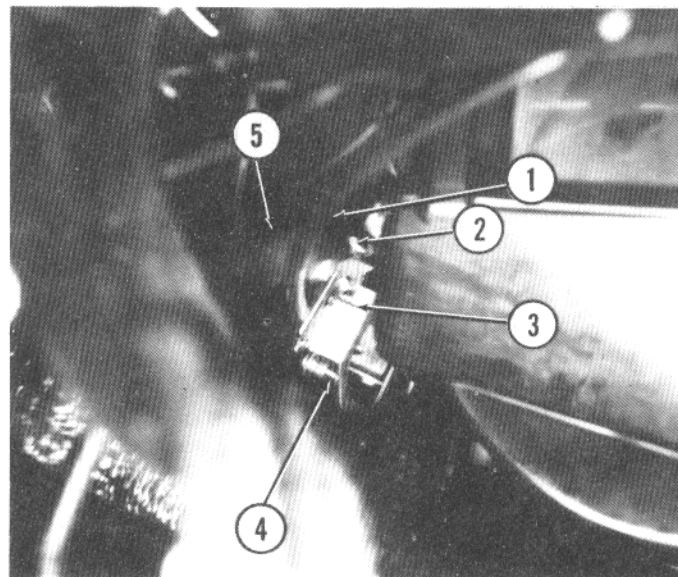


Working at firewall side of unit, remove screw (3) and clamp holding water valve cable (1) to bracket.

Loosen screw (4) holding end of cable to valve and disconnect cable end.

Loosen clamp (2) and disconnect inlet hose (5).

1. Water valve cable 2. Clamp 3. Screw 4. Screw 5. Inlet hose



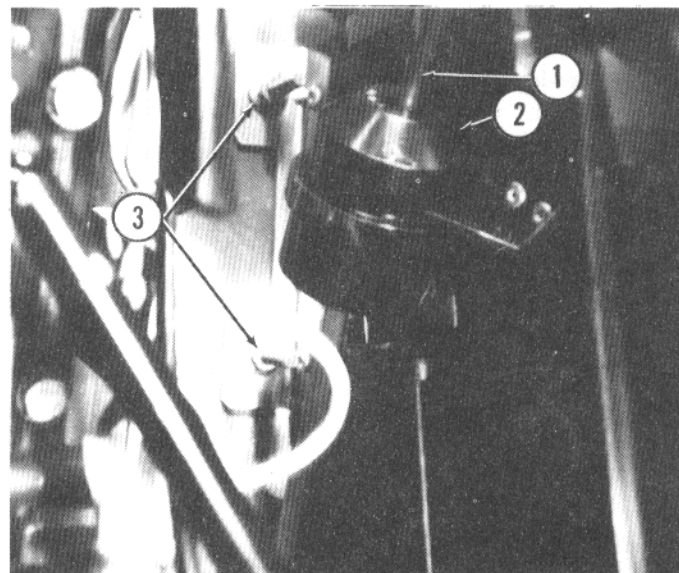
Working in driver's side footwell, disconnect vacuum hose (1) from vacuum motor (2).

From each side of unit, remove two nuts (3) holding unit to body at top.

Fold carpet and padding away from tunnel.

Maneuver A/C-heater unit out through passenger's side footwell.

1. Vacuum hose 2. Vacuum motor 3. Nuts



**DISASSEMBLY AND REASSEMBLY**

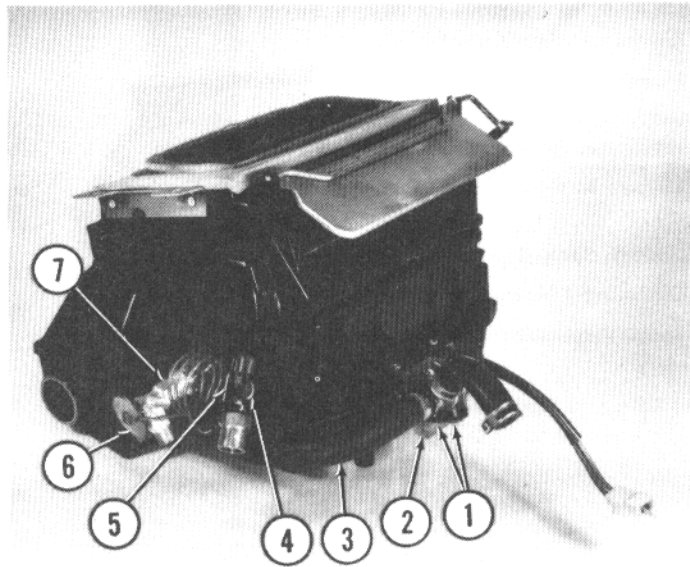
Loosen clamp holding hose (3) to heater core and disconnect hose.

Remove two screws (1) holding water valve to bracket (2) and remove valve.

Remove clip (5) holding temperature sensing tube and frost prevent switch (4) to pipe.

Loosen fitting (7) and remove expansion valve (6).

1. Screws 2. Bracket 3. Hose 4. Frost prevent switch 5. Clip  
6. Expansion valve 7. Fitting

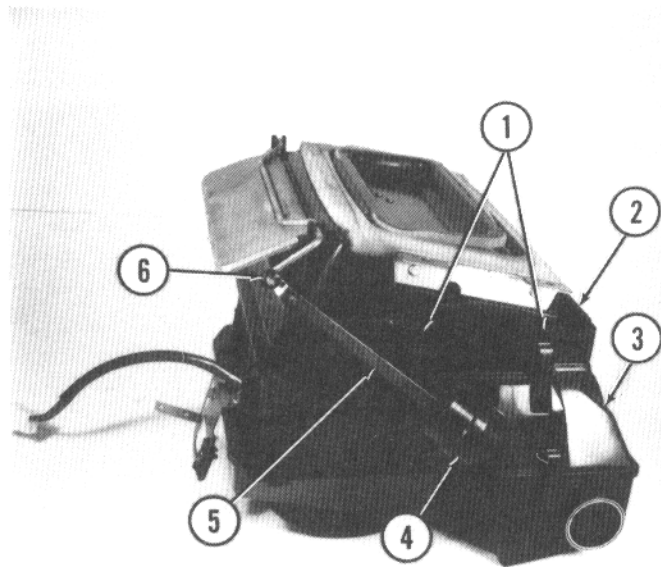


Remove clip (6) holding vacuum motor rod (5) to door linkage and disconnect rod from linkage.

Remove four clips (1) holding upper housing (2) to center housing (3).

Lift upper housing off of center housing.

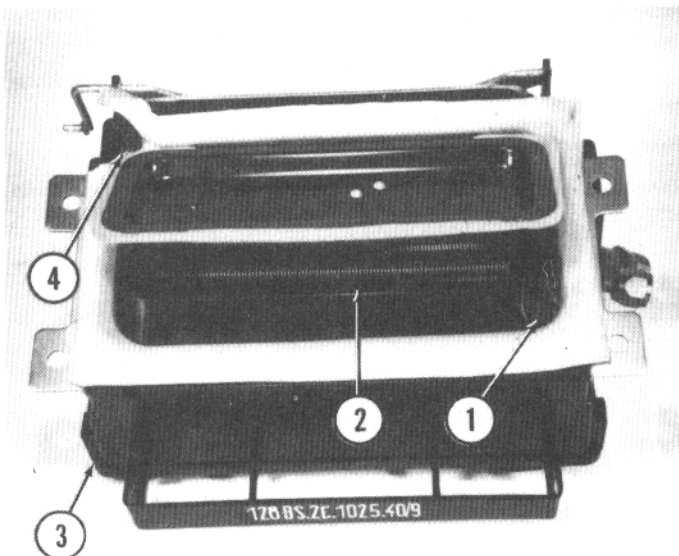
1. Clips 2. Upper housing 3. Center housing 4. Vacuum motor  
5. Rod 6. Clip



Remove four screws (1 and 4) retaining evaporator (2) in upper housing (3).

Remove evaporator from housing.

1. Screw 2. Evaporator 3. Upper housing 4. Screw

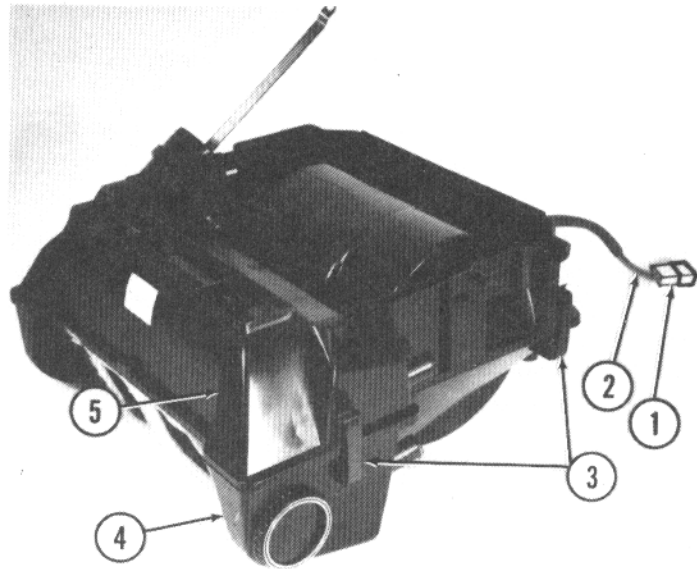


Remove connector casing (1) from blower motor wires (2), noting position of wires for reassembly.

Remove four clips (3) holding center housing (5) to lower housing (4).

Lift center housing off of lower housing.

1. Connector casing 2. Wires 3. Clips 4. Lower housing  
5. Center housing

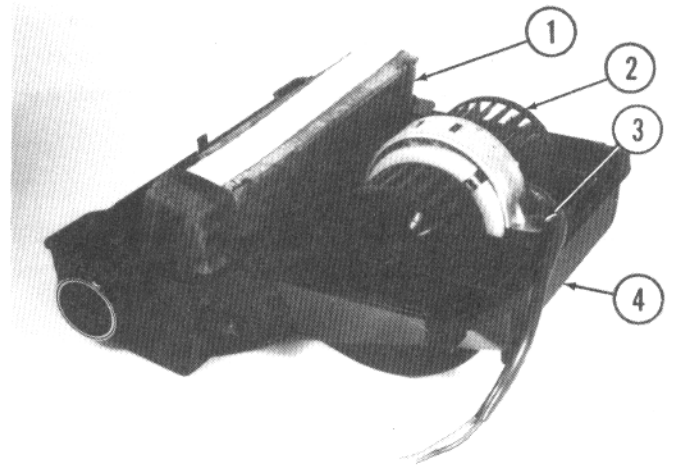


Lift heater core (1) out of lower housing (4).

Remove screw (3) holding blower assembly (2) in housing and remove blower assembly.

Reassemble in reverse order of disassembly. Use new "O" ring on expansion valve.

1. Heater core 2. Blower assembly 3. Screw 4. Lower housing



## CONDENSER

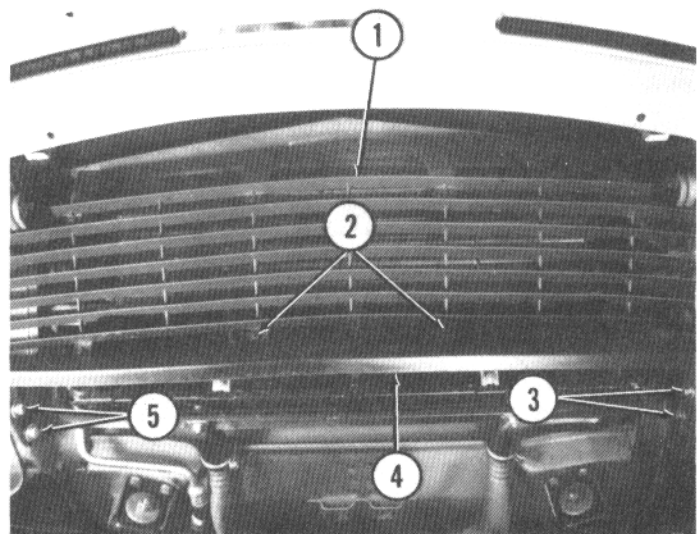
### REMOVAL AND INSTALLATION

**NOTE:** Condenser and radiator are removed as an assembly.

Remove twelve screws (2) holding grille (1) to body and remove grille.

Remove four bolts (3 and 5) and washers holding center section of spoiler (4) to body and remove spoiler.

1. Grille 2. Screws 3. Bolts 4. Spoiler 5. Bolts





Drain cooling system.

Purge air conditioning system. Refer to procedures in this section.

Disconnect fittings (1) connecting lines (10) to condenser pipes. Loosen clamps (4 and 6) and disconnect hoses (3 and 7) from pipes.

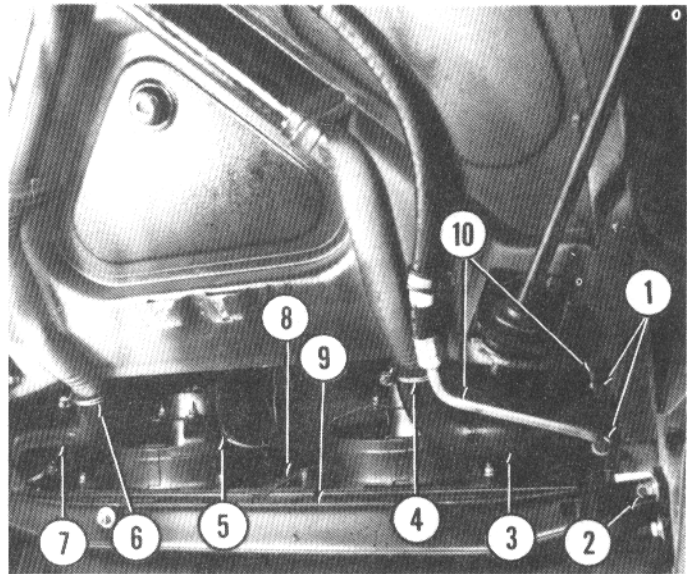
Disconnect electrical connectors (5) to electric fans.

Remove two nuts (2) holding support bracket (9) to body and lower bracket complete with radiator (8) and condenser.

Remove four nuts holding condenser to radiator and separate condenser from radiator.

Install in reverse order.

- 1. Fittings 2. Nut 3. Hose 4. Clamp 5. Connector 6. Clamp
- 7. Hose 8. Radiator 9. Support bracket 10. A/C lines



## CONDENSER FAN

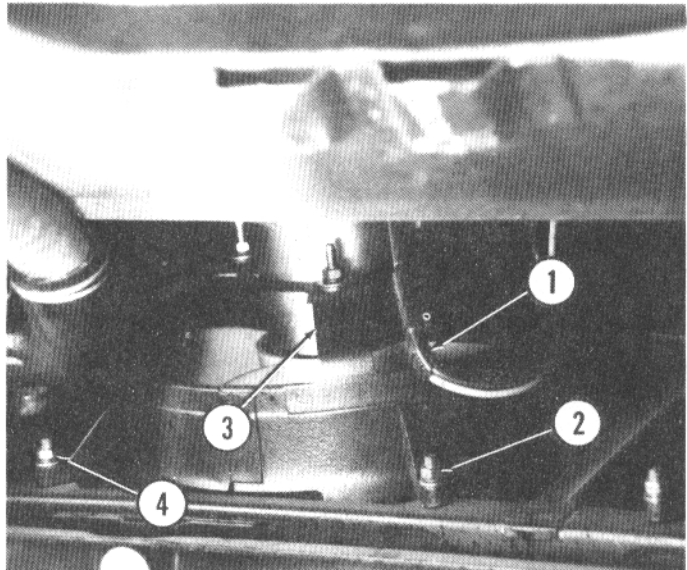
### REMOVAL AND INSTALLATION

Working from under vehicle, disconnect electrical connector (1).

Remove four nuts (2 and 4) and washers holding condenser fan assembly (3) to radiator and remove fan assembly.

Install in reverse order.

- 1. Electrical connector 2. Nut 3. Fan assembly 4. Nut



## RECEIVER/DRYER

### REMOVAL AND INSTALLATION

Remove protection panel from right-hand side of front luggage compartment.

Purge system. Refer to procedures in this section.

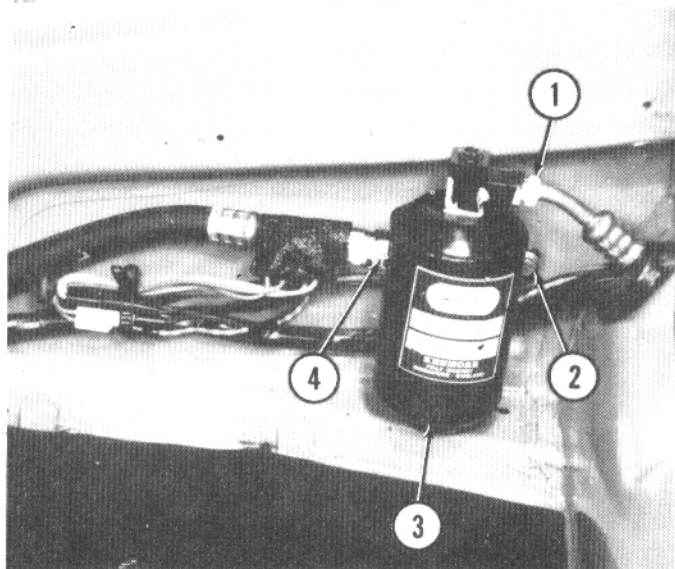
Disconnect fittings (1 and 4) for condenser and expansion valve lines.

Remove two bolts (2) holding receiver/dryer (3) to body and remove receiver/dryer.

Replace receiver/dryer if clogged or moisture saturated.

Install in reverse order.

- 1. Fitting 2. Bolt 3. Receiver/dryer 4. Fitting



### THERMAL SWITCHES

#### REMOVAL AND INSTALLATION

**NOTE:** There are three thermal switches: condenser fan control switch (2), high pressure control switch (3) and frost prevent switch. The condenser fan and high pressure switches are on the high pressure line next to the receiver/dryer. The frost prevent switch is on the suction line at the evaporator, as shown in the following illustration.

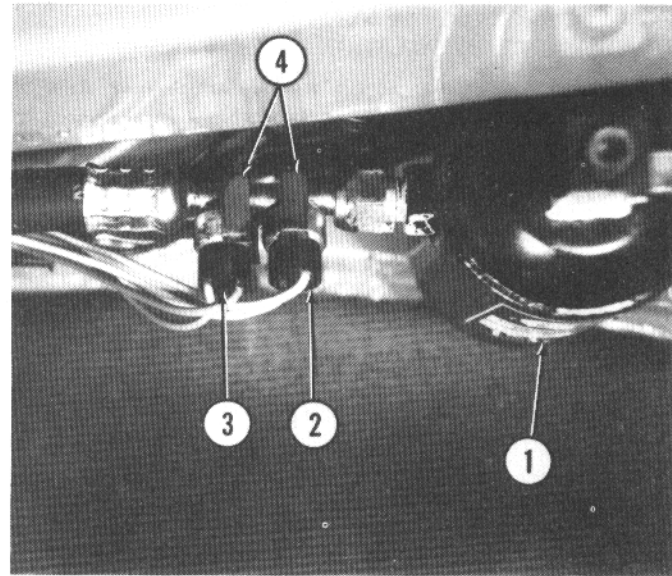
Remove protective panel from right-hand side of front luggage compartment.

Disconnect electrical connectors for switches. Unwrap insulation.

Unclip and remove retaining strap clips (4). Remove switches.

For installation, make sure pipe and switch faces are clean of dirt or corrosion. Place switches on pipe and secure with clips. Wrap switches and pipe with insulation. Connect wires.

1. Receiver/dryer 2. Condenser fan control switch  
3. High pressure control switch 4. Clips



### EXPANSION VALVE

#### REMOVAL AND INSTALLATION

Disconnect battery ground cable.

Working in passenger's side footwell, remove access panel covering expansion valve. Lower fuse/relay panel and set to one side.

Purge system. Refer to procedures in this section.

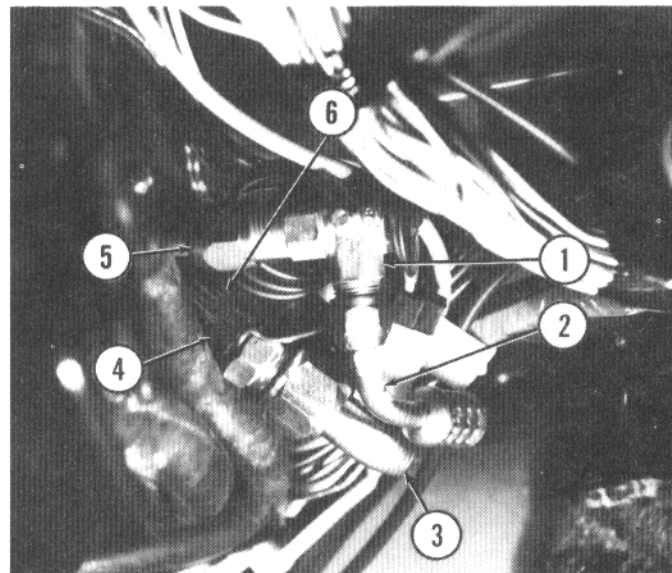
Remove temperature sensing tube from clamp (4) on evaporator outlet line (3).

Disconnect high pressure line (2) from expansion valve (1).

Loosen fitting (5) holding expansion valve to evaporator inlet line and remove valve.

Install in reverse order. Use new "O" ring.

1. Expansion valve 2. High pressure line 3. Evaporator outlet line  
4. Clamp 5. Fitting 6. Frost prevent switch



### FROST PREVENT VALVE

#### REMOVAL AND INSTALLATION

Purge system. Refer to procedures in this section.

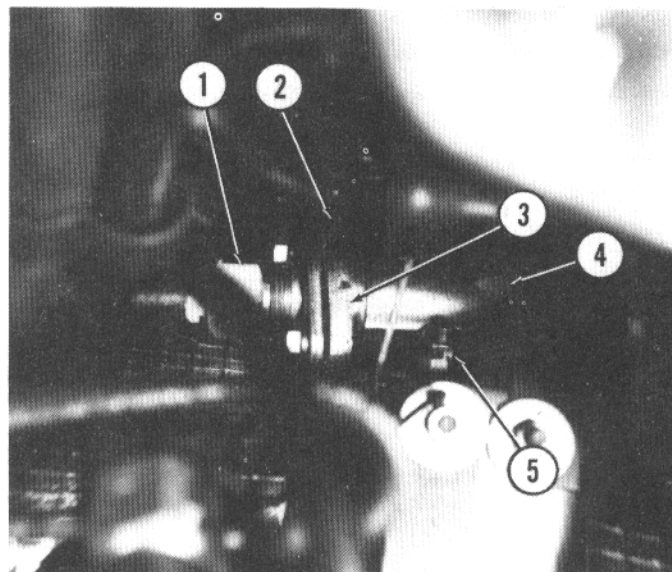
Remove electrical lead (2) from frost prevent valve (3).

Disconnect two fittings (1) from ends of valve.

Remove two nuts (5) holding bracket (4) to body and remove valve complete with bracket.

Install in reverse order.

1. Fitting 2. Electrical lead 3. Frost prevent valve 4. Bracket 5. Nut



**LOW PRESSURE SWITCH  
REMOVAL AND INSTALLATION**

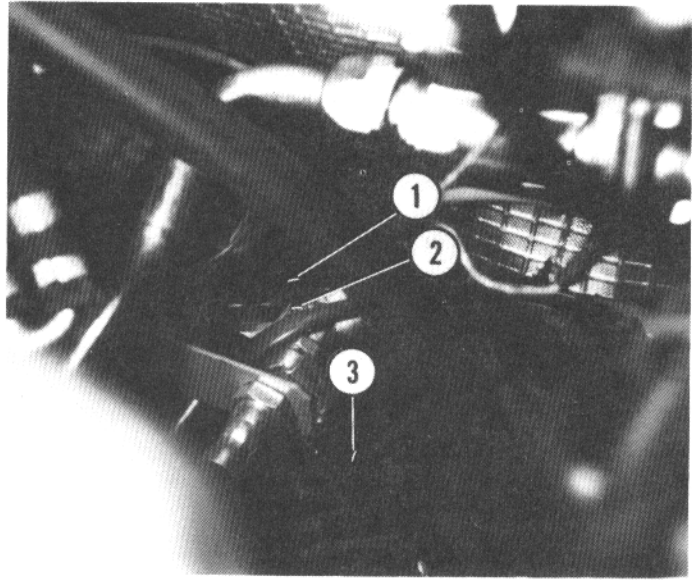
On vehicles with fuel injection, remove air cleaner. Refer to 102.04. Purge system. Refer to procedures in this section.

Disconnect low pressure switch electrical connector (3).

Unscrew low pressure switch (1) from union (2).

Install in reverse order.

1. Low pressure switch 2. Union 3. Electrical connector



**FAST IDLE ELECTROVALVE  
REMOVAL AND INSTALLATION**

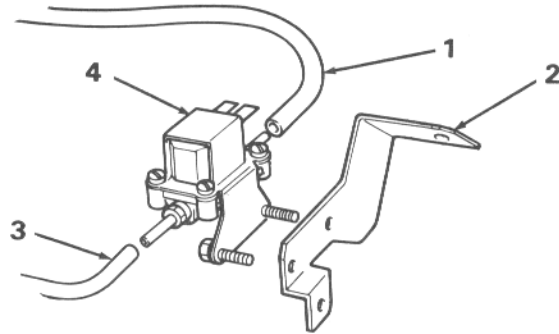
(Vehicles With Carburetor)

Disconnect electrical connectors and vacuum hoses (1 and 3) from electrovalve (4).

Remove two nuts holding electrovalve to bracket (2) and remove electrovalve.

Install in reverse order.

1. Vacuum hose 2. Bracket 3. Vacuum hose 4. Fast idle electrovalve



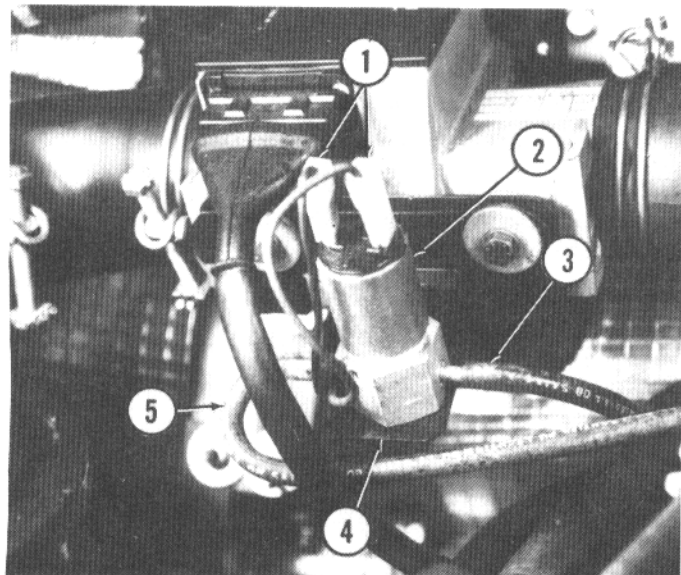
**REMOVAL AND INSTALLATION  
(Vehicles With Fuel Injection)**

Disconnect electrical connectors (1) and vacuum hoses (3 and 5) from electrovalve (2).

Remove two bolts holding electrovalve to bracket (4) and remove electrovalve.

Install in reverse order.

1. Electrical connectors 2. Fast idle electrovalve 3. Vacuum hose  
4. Bracket 5. Vacuum hose





### VACUUM RESERVOIR

#### REMOVAL AND INSTALLATION

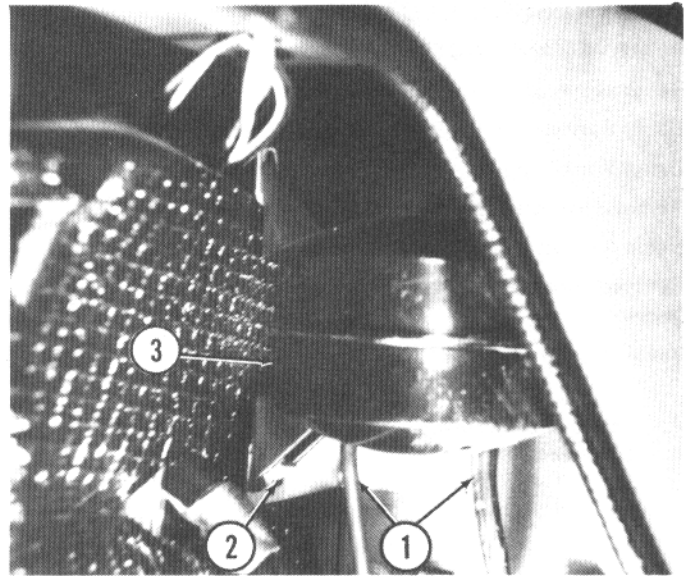
From behind passenger's seat, remove spare tire cover and spare tire.

Disconnect two vacuum hoses (1) from reservoir (3).

Remove nut (2) holding reservoir to bracket and remove reservoir.

Install in reverse order.

1. Vacuum hoses 2. Nut 3. Vacuum reservoir



### COMPRESSOR

#### REMOVAL AND INSTALLATION

Remove access panel from inside rear luggage compartment.

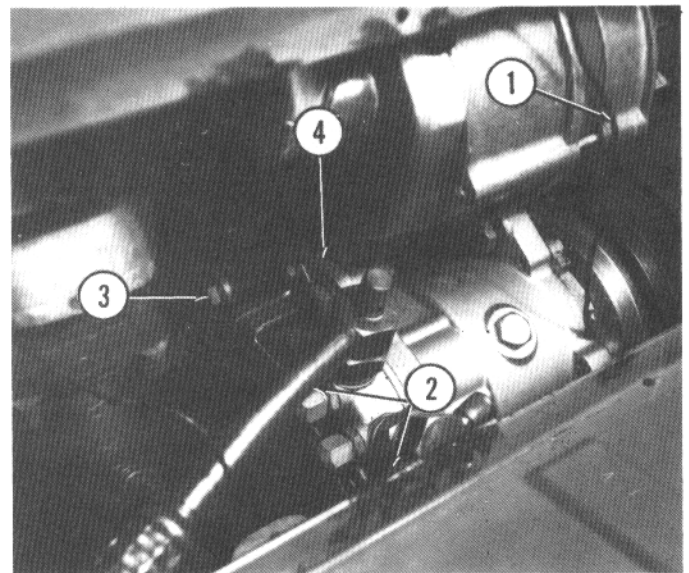
Purge system. Refer to procedures in this section.

Disconnect compressor clutch wire (1) at connector.

Disconnect inlet and outlet lines (2) from compressor.

Remove nut, through bolt (3) and washers holding bracket (4).

1. Wire 2. Compressor lines 3. Bolt 4. Bracket



Raise and support rear of vehicle.

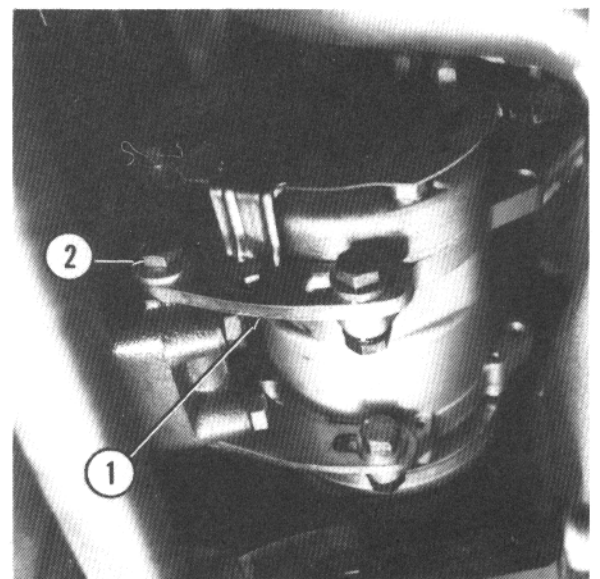
Remove three bolts holding shield under compressor and remove shield.

Remove nut, through bolt (2) and washers holding bracket (1).

Lower compressor out of vehicle with bracket attached.

Install in reverse order. To adjust belt, refer to 101.15.

1. Bracket 2. Bolt



## COMPRESSOR CLUTCH

### REMOVAL AND INSTALLATION

Remove compressor as outlined above.

Using Sankyo wrench 32409 and 3/4" wrench remove nut (3).

Using Sankyo puller, remove clutch plate (4).

Remove external and internal snap rings with snap ring pliers.

Using Sankyo puller 32418 remove pully assembly (6).

Remove three screws (5) to remove clutch coil (1) from compressor.

Installation is reverse of removal.

1. Clutch coil 2. Compressor 3. 3/4" nut 4. Clutch plate 5. Screw  
6. Pully assembly

