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Year	Make	Model	Engine	Trans
2001	Mazda Truck	B3000 SE Regular Cab 4WD	V6-3.0L OHV	A

TOC Zone: 42 - Heating and Air Conditioning

Component/Path: Evaporator Case

Info Type: 26 - Service and Repair

Additional Info:

Problem: Need to know how to take out evap core housing and heater core housing.

Notes

If the data received does not meet your needs, call 866-537-1571

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VIN	or	Model	2001	Model	B3000	evaporator			
		Year							
General Information	<input type="checkbox"/>	Engine	<input type="checkbox"/>	Suspension	<input type="checkbox"/>	Transmission/Transaxle	<input type="checkbox"/>	HVAC	<input type="checkbox"/>
Steering	<input type="checkbox"/>	Brakes	<input type="checkbox"/>	DriveLine/Axle	<input type="checkbox"/>	Restraints	<input type="checkbox"/>	E	

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2001 - B-Series - Workshop Manual - HVAC

EVAPORATOR CORE REMOVAL / INSTALLATION

CAUTION:

To prevent system contamination, whenever the evaporator core is replaced, also replace the receiver/drier.

NOTE:

The evaporator core is not separately serviceable, it is serviced only with the evaporator core housing assembly.

NOTE:

If an evaporator core leak is suspected, the evaporator core must be leak tested before it is removed from the vehicle; see— [07-10 A/C EVAPORATOR / CONDENSER CORE ONVEHICLE LEAK TEST](#).

1. Remove the evaporator core housing. See [07-11 EVAPORATOR CORE HOUSING REMOVAL / INSTALLATION](#).
2. Transfer the components from the old evaporator core housing to the new evaporator core housing.
3. Install the evaporator core housing. See [07-11 EVAPORATOR CORE HOUSING REMOVAL / INSTALLATION](#).

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VIN or Model 2001 Model B3000 evaporator 1
 Year

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 Steering Brakes DriveLine/Axle Restraints E

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2001 - B-Series - Workshop Manual - HVAC

EVAPORATOR CORE HOUSING REMOVAL / INSTALLATION

NOTE:

The evaporator core is not separately serviceable, it is serviced only with the evaporator core housing assembly.

NOTE:

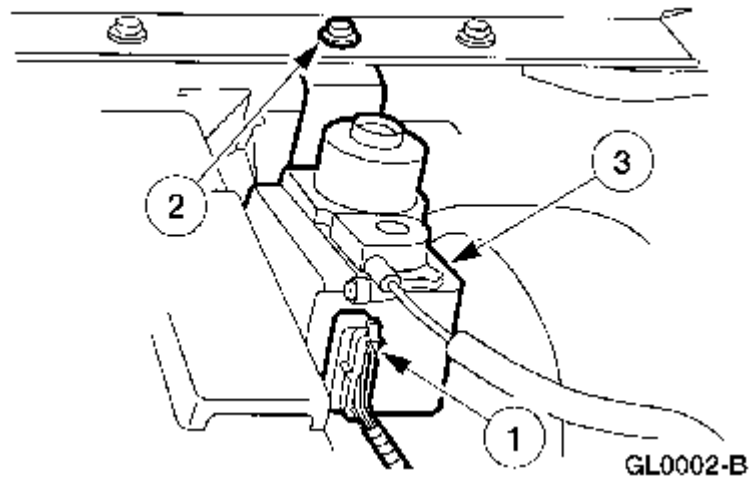
If an evaporator core leak is suspected, the evaporator core must be leak tested before it is removed from the vehicle. See [07-11 EVAPORATORE CORE INSPECTION](#).

NOTE:

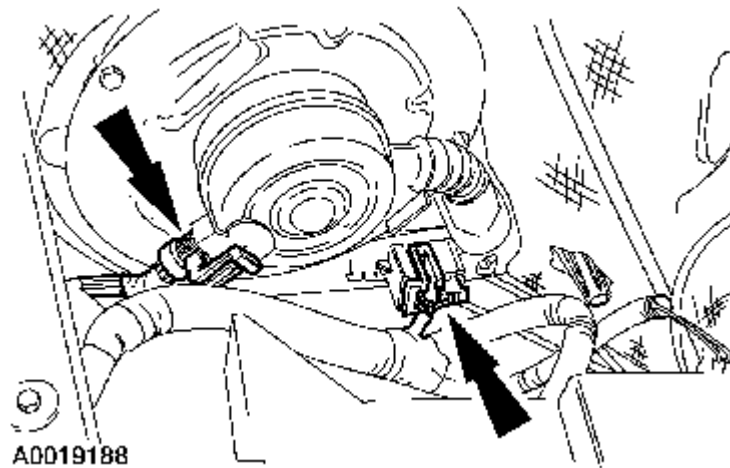
Replacement of the suction accumulator is not required when repairing the refrigerant system except when there is physical evidence of system contamination from a failed A/C compressor or damage to the suction accumulator.

2.3L

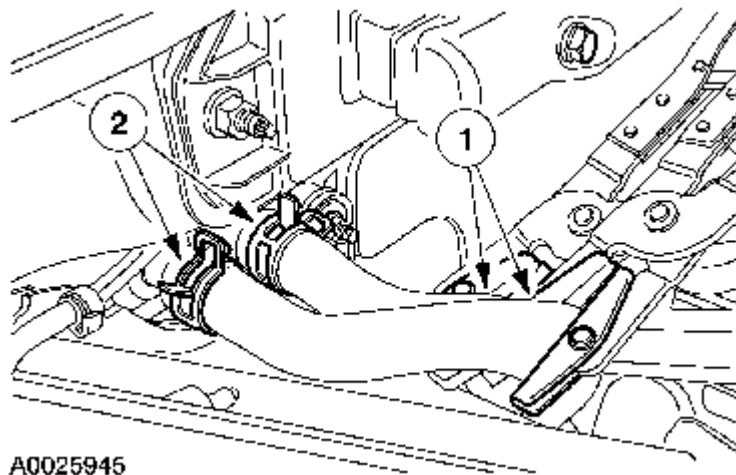
1. Recover the refrigerant; See [07-10 REFRIGERANT SYSTEM TESTS](#).
2. Remove the suction accumulator. See [07-11 RECEIVER / DRIER REMOVAL / INSTALLATION](#)
3. Remove the A/C compressor. See [07-11 A/C COMPRESSOR REMOVAL / INSTALLATION \[2.3L\]](#).
4. Remove the engine oil indicator and tube. See [01-11D OIL LEVEL INDICATOR AND TUBE REMOVAL / INSTALLATION](#).



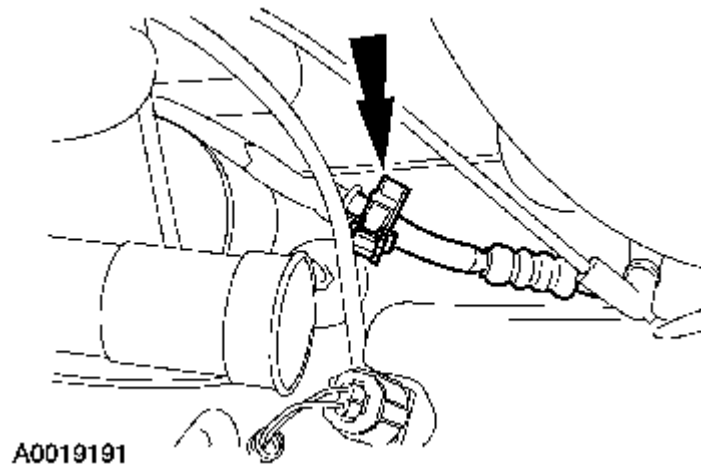
1. Disconnect the blower motor and blower motor resistor electrical connectors.



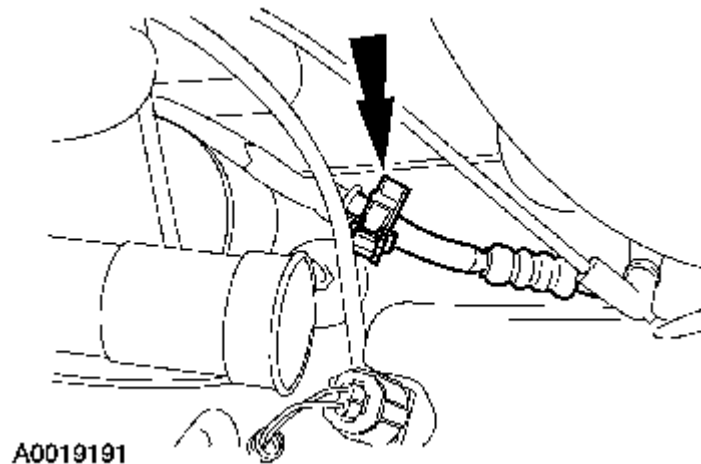
2. Disconnect the heater hoses.
 - a. Using suitable tools, clamp-off the heater hoses.
 - b. Release the clamps and disconnect the heater hoses.



1. Detach the pin-type retainer and position aside the windshield washer hose.



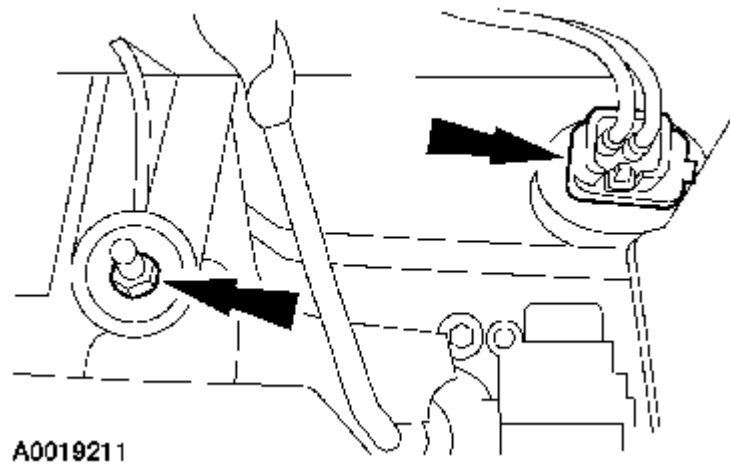
2. Disconnect the vacuum supply hose near the evaporator core housing.
 3. Disconnect the condenser to evaporator line spring lock coupling from the evaporator core inlet. See [07-10 SPRING LOCK COUPLING](#).
- Discard the O-ring seals.



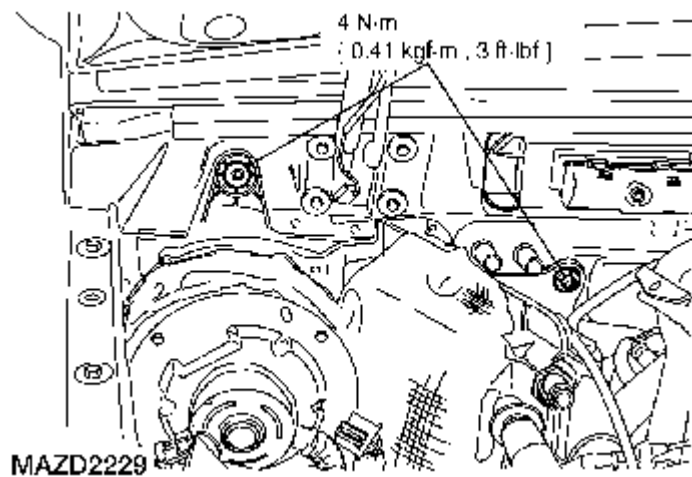
- 4.

NOTE:

The following step is performed at the lower passenger side dash panel, inside the passenger compartment. Disconnect the vacuum hose connector and remove the nut.



5. Remove the nuts and the evaporator core housing.



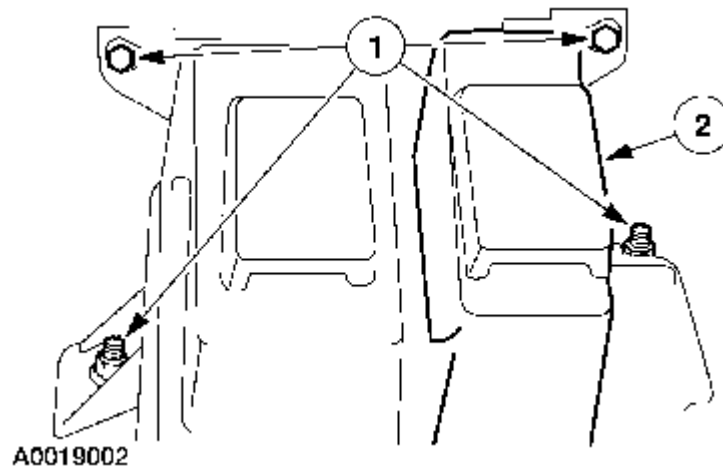
6. To install, reverse the removal procedure.

- Lubricate the refrigerant system with the correct amount of clean refrigerant oil. See [07-10 REFRIGERANT OIL ADDITION](#).
- Install new O-ring seals lubricated in clean refrigerant oil.
- Lubricate the coolant hoses with coolant hose lubricant or plain water only, if needed.

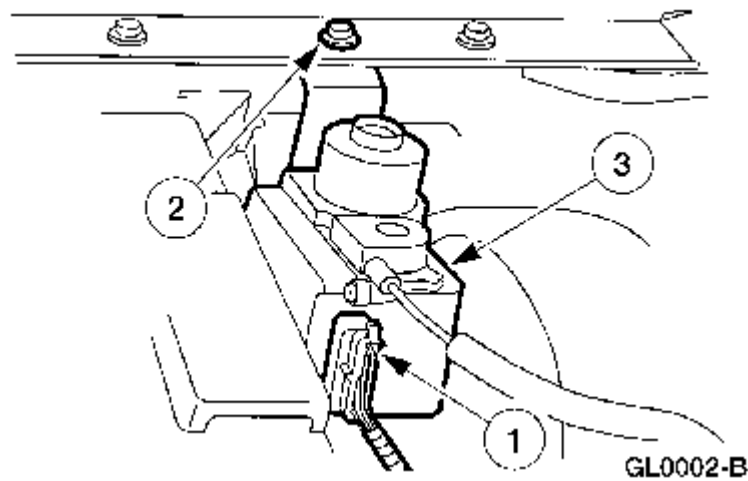
2.5L/3.0L/4.0L

1. Recover the refrigerant; see [07-10 REFRIGERANT SYSTEM TESTS](#).
2. Remove the suction accumulator. See [07-11 RECEIVER / DRIER REMOVAL / INSTALLATION](#).
3. Position the coolant reservoir and windshield washer reservoir aside.
 - a. Remove the screws and nuts.

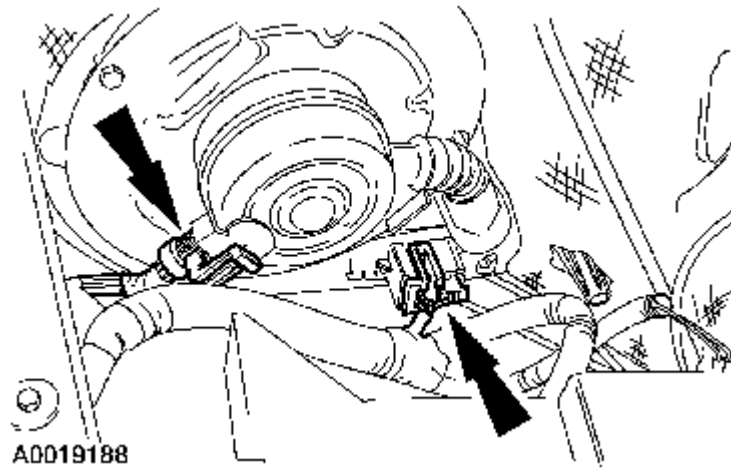
- b. Position the reservoirs aside.



1. If equipped with speed control, detach the speed control servo.
 - a. Disconnect the electrical connector.
 - b. Remove the bolt.
 - c. Detach the cable from the evaporator core housing and position aside the speed control servo.

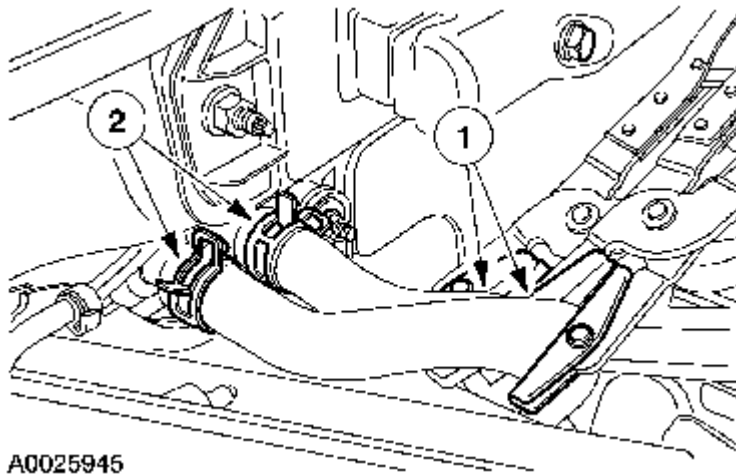


1. Disconnect the blower motor and blower motor resistor electrical connectors.

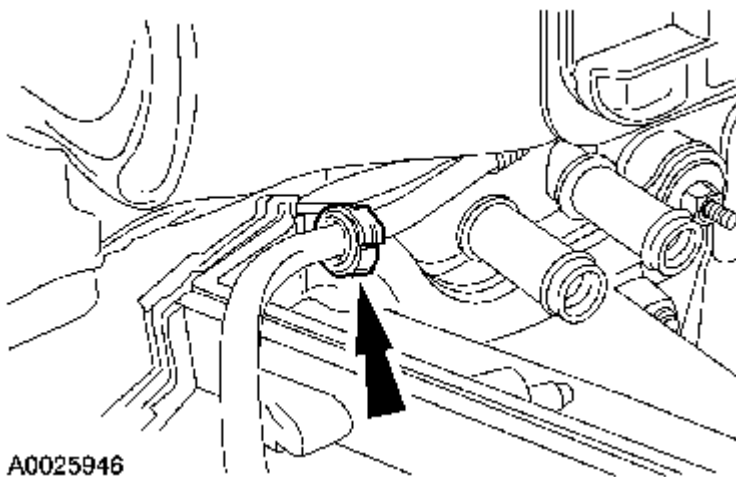


2. Disconnect the heater hoses.

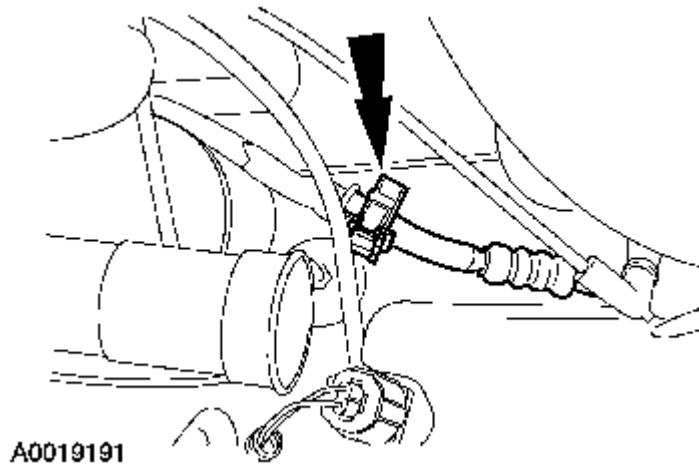
- a. Using suitable tools, clamp off the heater hoses.
- b. Release the clamps and disconnect the heater hoses.



1. Detach the pin-type retainer and position aside the windshield washer hose.



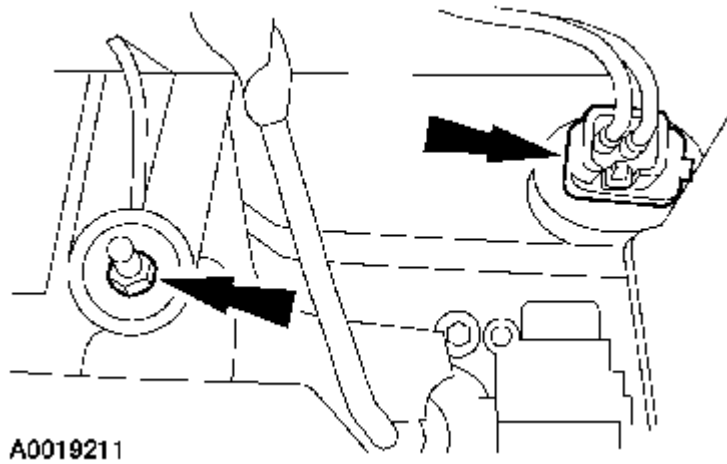
2. Disconnect the vacuum supply hose near the evaporator core housing.
3. Disconnect the condenser to evaporator line spring lock coupling from the evaporator core inlet. See [07-10 SPRING LOCK COUPLING](#).
 - Discard the O-ring seals.



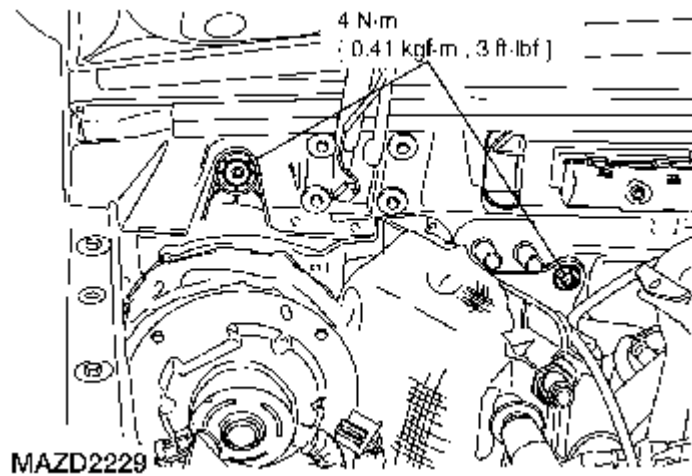
4.

NOTE:

The following step is performed at the lower passenger side dash panel, inside the passenger compartment. Disconnect the vacuum hose connector and remove the nut.



5. Remove the nuts and the evaporator core housing.



6. To install, reverse the removal procedure.

- Lubricate the refrigerant system with the correct amount of clean refrigerant oil. See [07-10 REFRIGERANT OIL ADDITION](#).
- Install new O-ring seals lubricated in clean refrigerant oil.
- Lubricate the coolant hoses with coolant hose lubricant or plain water only, if needed.

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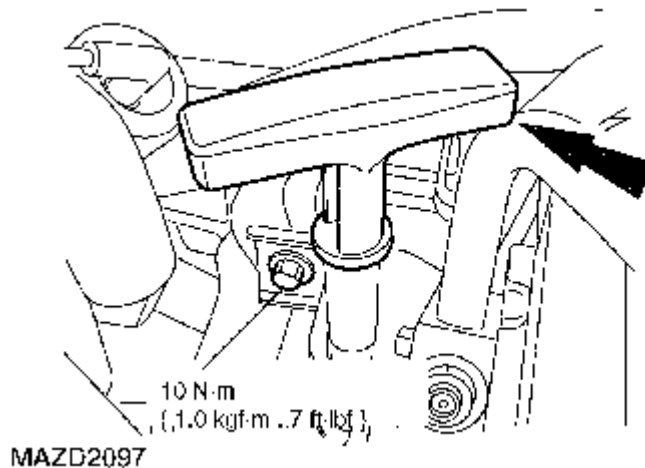
VIN _____ or Model 2001 Model B3000 evaporator 1
Year

General Information Engine Suspension Transmission/Transaxle HVAC
Steering Brakes DriveLine/Axle Restraints E

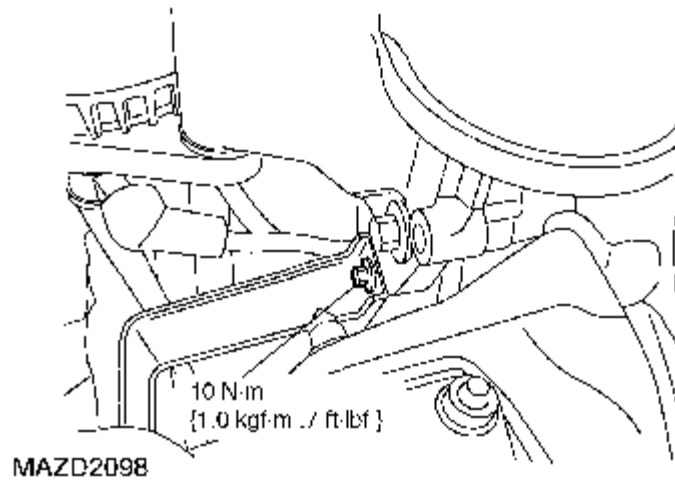
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2001 - B-Series - Workshop Manual - Engine

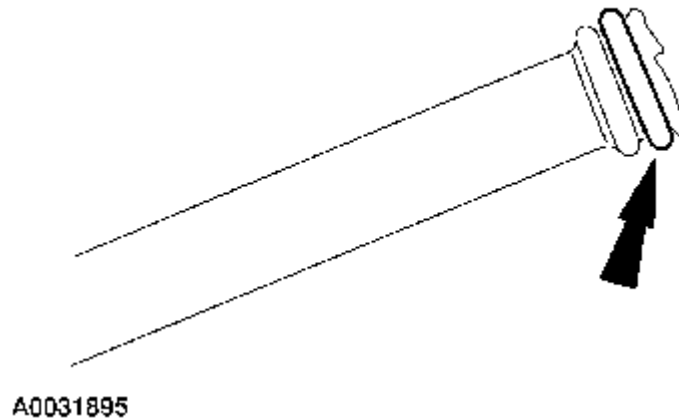
OIL LEVEL INDICATOR AND TUBE REMOVAL / INSTALLATION



1. Remove the oil level indicator and the upper retaining bolt.
2. Raise the vehicle on a hoist. See 00-00 LIFTING .



1. Remove the oil level indicator tube.
 - a. Remove the bolt.
 - b. Remove the oil level indicator tube.



1. Remove the O-ring from the indicator ring.
- 2.

NOTE:

Apply clean engine oil to the O-ring before installation of the indicator tube. To install, reverse the removal procedure.

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VIN _____ or Model 2001 Model B3000 heater core 1
Year

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Steering Brakes DriveLine/Axle Restraints E

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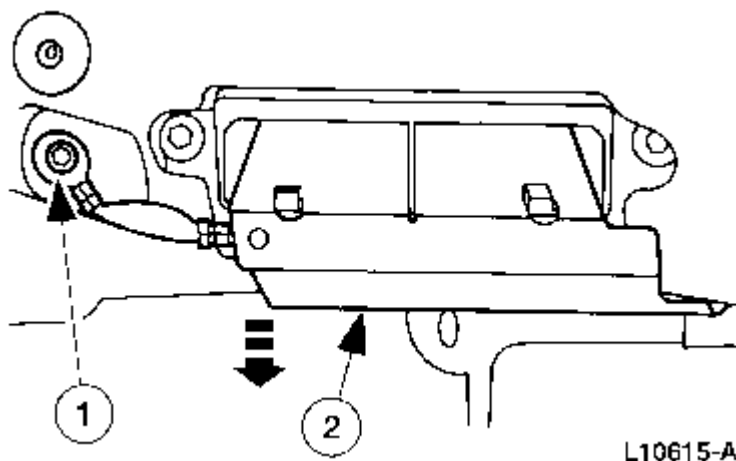
2001 - B-Series - Workshop Manual - HVAC

HEATER CORE REMOVAL / INSTALLATION

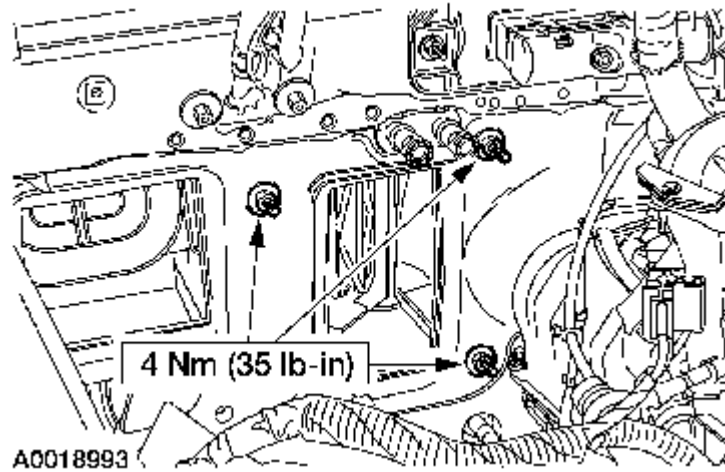
NOTE:

If a heater core leak is suspected, the heater core must be leak tested before it is removed from the vehicle; see [07-11 HEATER CORE INSPECTION](#).

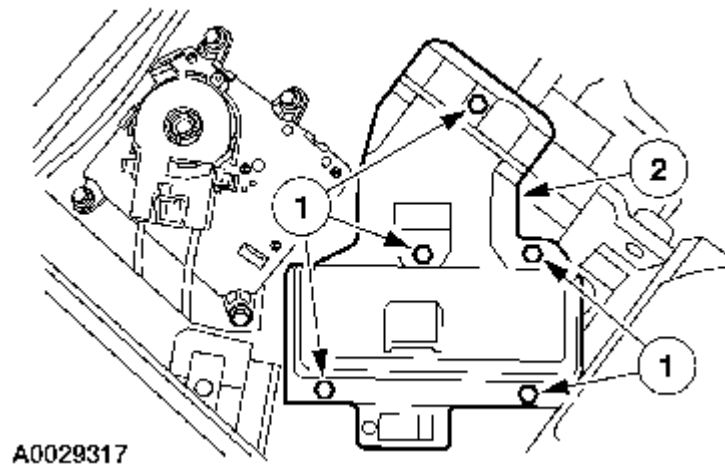
1. Remove the instrument panel; see [09-17 INSTRUMENT PANEL REMOVAL / INSTALLATION](#).
2. Remove the evaporator core housing; see [07-11 EVAPORATOR CORE HOUSING REMOVAL / INSTALLATION](#).
3. Remove the powertrain control module (PCM). See [01-40 POWERTRAIN CONTROL MODULE \(PCM\) REMOVAL / INSTALLATION](#).
4. Remove the PCM heat sink.
 - a. Remove the ground strap screw.
 - b. Remove the heat sink.



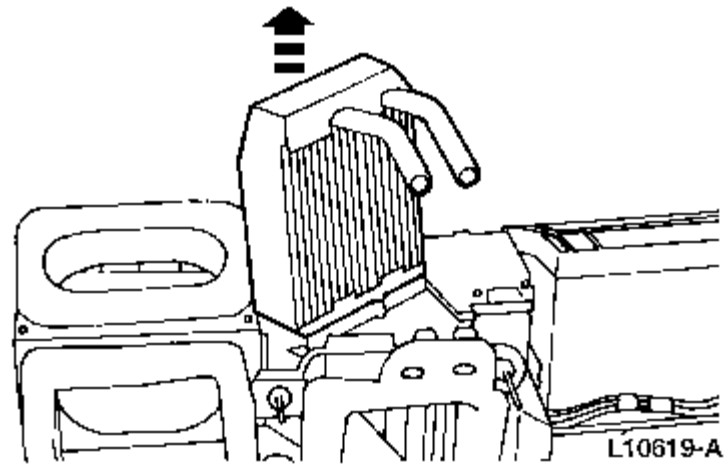
1. Remove the four nuts from the engine side of the dash panel. Position the plenum chamber on the vehicle floor.



2. Remove the heater core cover.
 - a. Remove the screws.
 - b. Remove the heater core cover.



1. Remove the heater core.



2. To install, reverse the removal procedure.

- During installation, be sure to install a new oval foam seal around the heater core inlet and outlet tubes.

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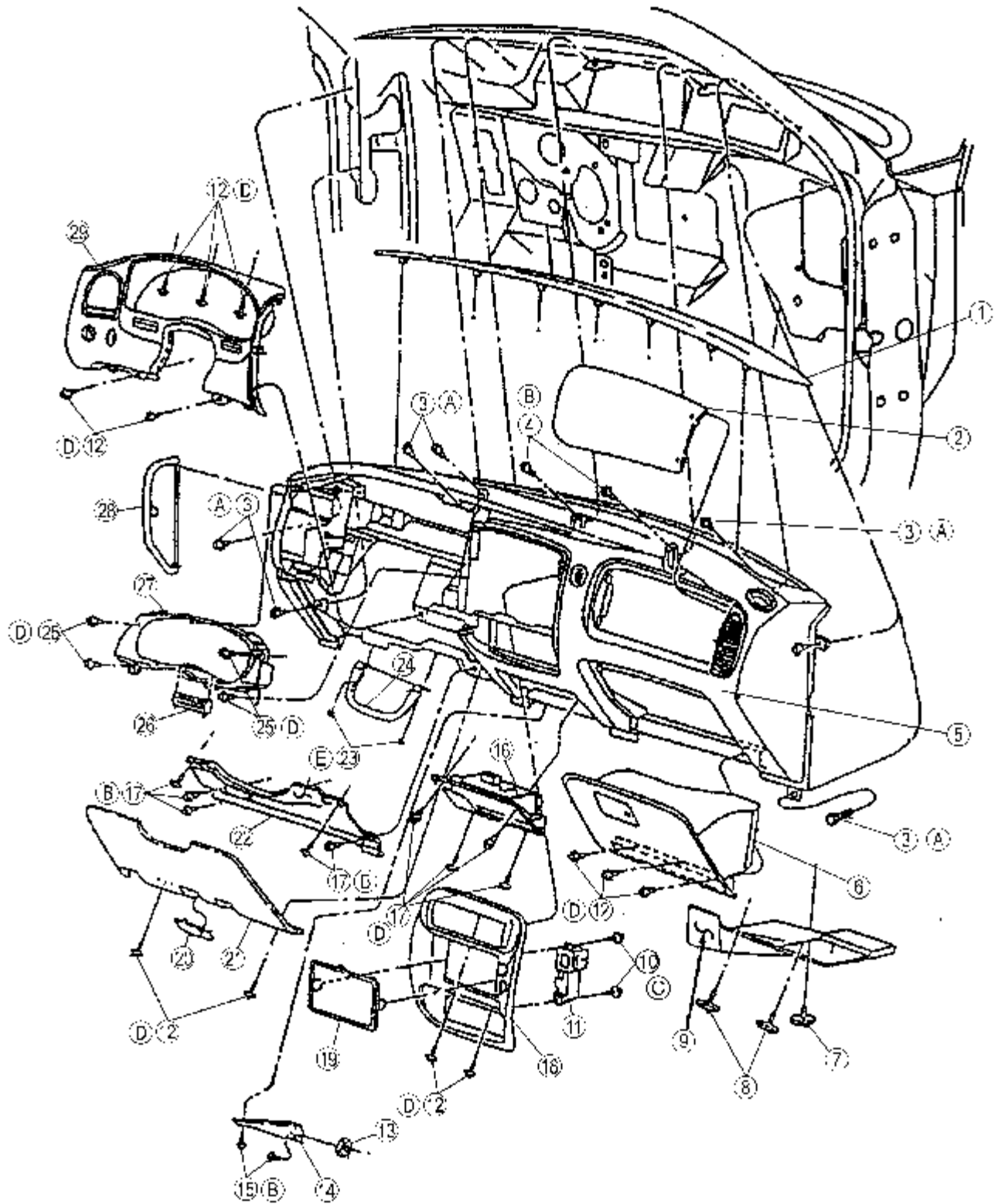
VIN or Model Model heater core 1
Year

General Information Engine Suspension Transmission/Transaxle HVAC
Steering Brakes DriveLine/Axle Restraints E

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2001 - B-Series - Workshop Manual - Body and Accessories

INSTRUMENT PANEL REMOVAL / INSTALLATION

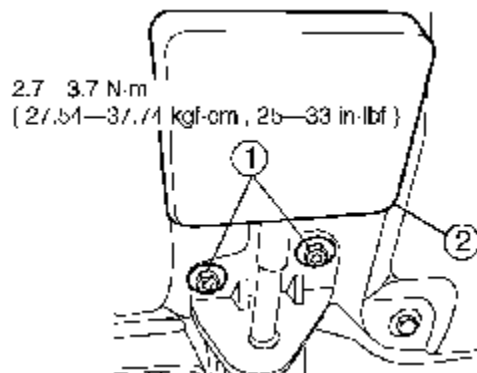


1	Defroster opening grille
2	Passenger-side airbag module
3	Screws (6)
4	Screws (2)
5	Instrument panel
6	Glove compartment
7	Pushpin (2)
8	Rivets (2)
9	Instrument panel sound insulation
10	Screws (2)
11	Instrument panel sound insulation
12	Screws (12)
13	Nut (1)
14	Instrument panel brace
15	Screws (2)
16	Ash tray
17	Screws (10)

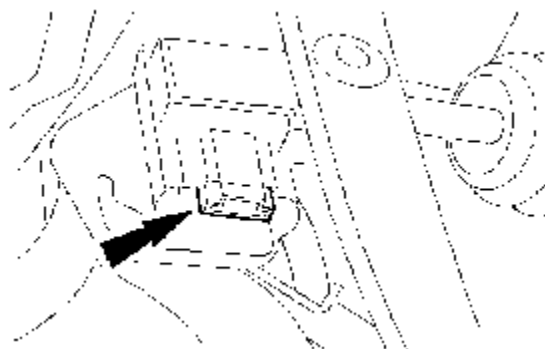
18	Center trim finish panel
19	Instrument panel radio opening panel
20	Instrument panel cover access cover
21	Instrument panel steering column cover
22	Instrument panel steering column opening cover reinforcement
23	Nut (2)
24	Instrument panel steering column opening cover brace
25	Screw (4)
26	PRNDL indicator
27	Instrument cluster
28	Instrument panel fuse panel opening door
29	Instrument cluster finish panel
A	Tighten to 25.5 -- 34.5 N·m { 2.6 -- 3.5 kgf·m, 19 -- 25 ft·lbf }
B	Tighten to 7.2 -- 10.8 N·m { 73 -- 110 kgf·cm, 64 -- 96 in·lbf }
C	Tighten to 1 -- 2 N·m { 10 -- 20 kgf·cm, 9 -- 18 in·lbf }
D	Tighten to 2 -- 3 N·m { 20 -- 31 kgf·cm, 18 -- 26 in·lbf }

Removal Note

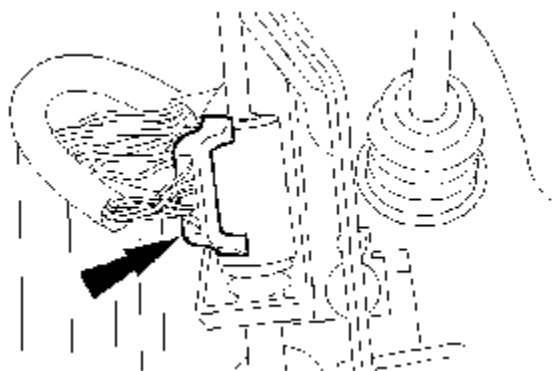
1. Remove the steering column. See [06-12 STEERING COLUMN REMOVAL / INSTALLATION](#).
2. Remove the screws (1) and position the parking brake release handle (2) aside.



3. Disconnect the brake pedal position (BPP) switch connector.

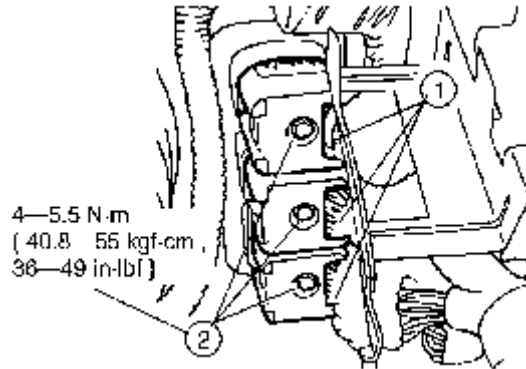


4. If equipped, disconnect the clutch pedal position (CPP) switch connector.

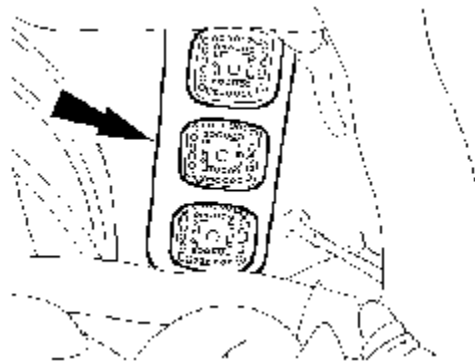


5. Remove the right hand and left hand scuff plates.
6. Remove both A-pillar trim panels.
7. Remove both front side trim panels.

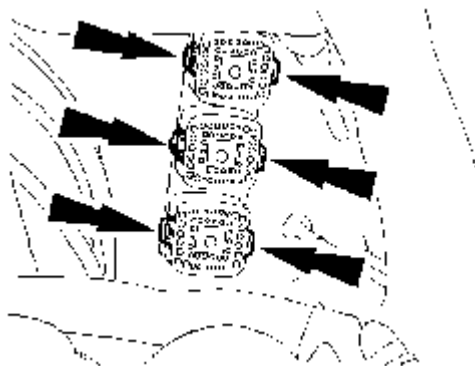
8. Remove the instrument panel fuse panel opening door.
9. From inside the engine compartment, disconnect the engine compartment fuse box from the bracket and position aside.
10. Remove the bulkhead wiring harness from inside the engine compartment.



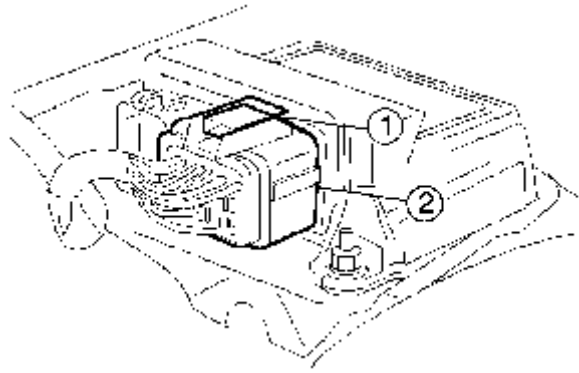
11. Remove the bulkhead connector insulator.



12. Unclip the bulkhead connectors from the dash panel.

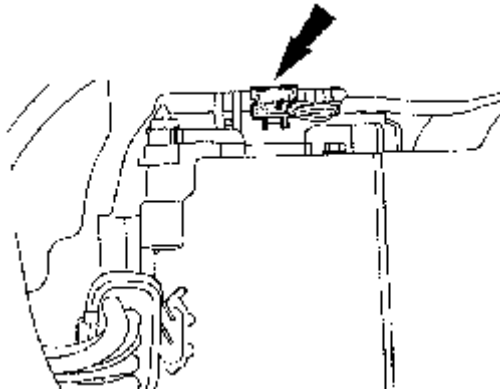


13. Remove the instrument panel valance panel.
14. Release the airbag diagnostic monitor locking tab (1).
15. Disconnect the airbag diagnostic monitor connector (2).

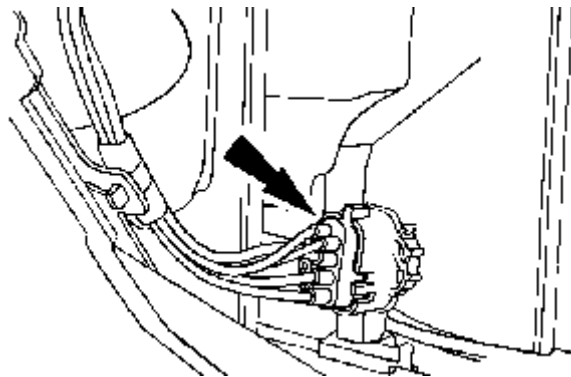


16. Remove the passenger-side air bag module. See [08-10 PASSENGER AIR BAG MODULE REMOVAL / INSTALLATION](#).

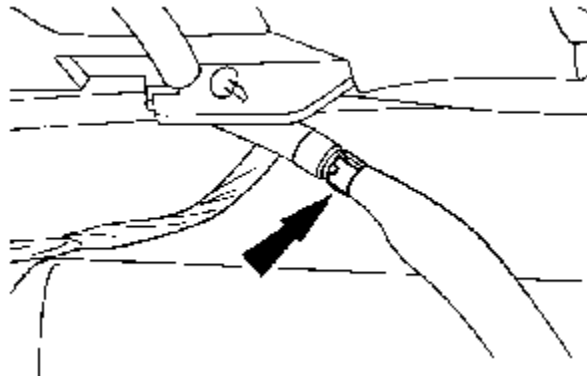
17. Disconnect the blend door actuator connector.



18. Disconnect the climate control vacuum harness connector.



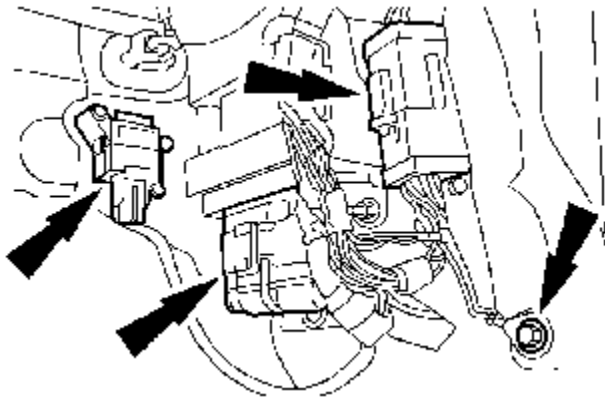
19. Disconnect the radio antenna cable in-line connector.



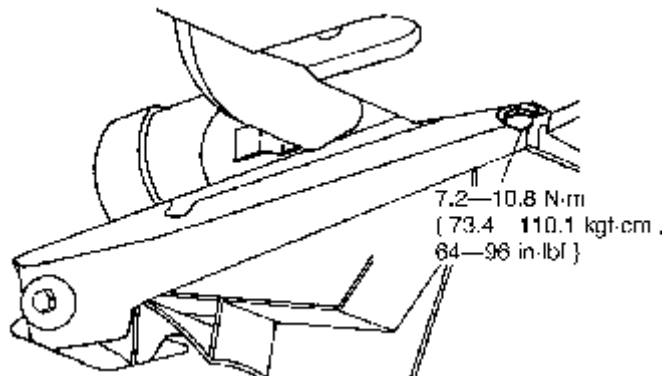
20. Raise and secure the glove compartment.

- Press the release tabs inward while raising the glove compartment.

21. Disconnect the electrical connectors and the ground wires on the right hand cowl panel.

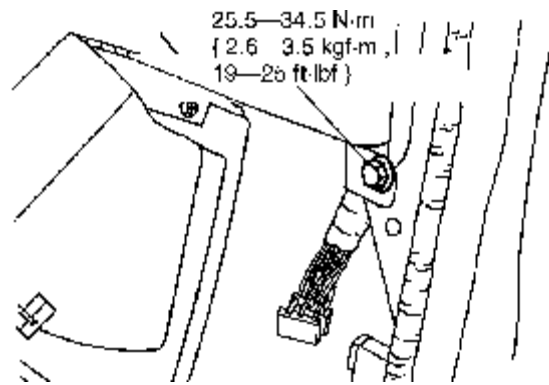


22. Remove the instrument panel brace bolt under the steering column.

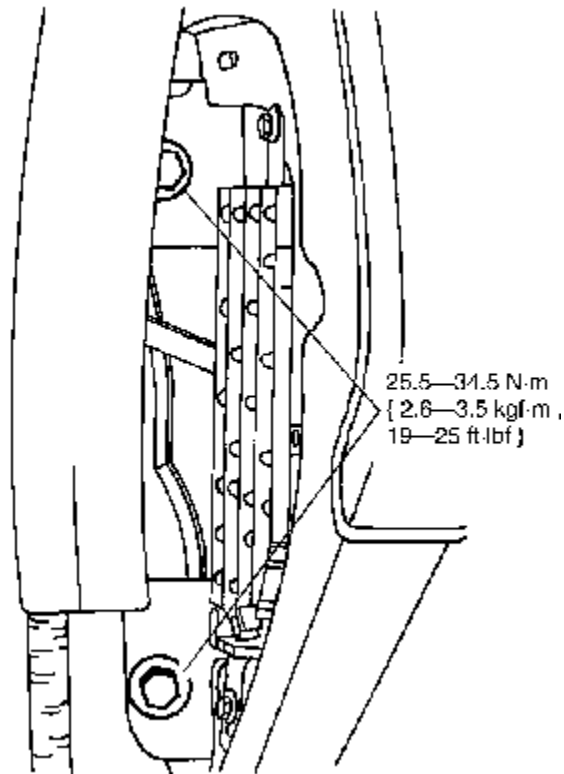


7.2—10.8 N·m
(73.4 — 110.1 kgf·cm ,
64—96 in·lbf)

23. Remove the right hand instrument panel cowl side bolt.

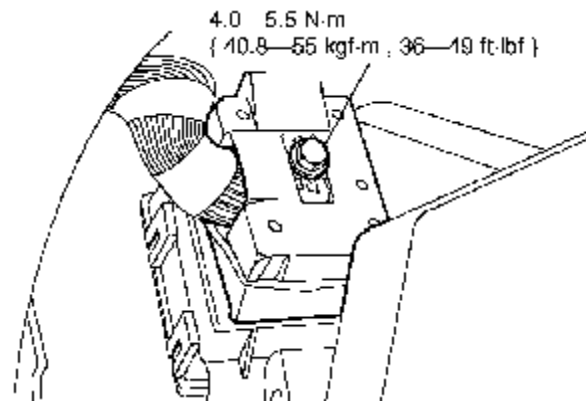


24. Remove the left hand instrument panel cowl side bolts.



25. Position the instrument panel away from the dash panel.

26. Disconnect the instrument panel to main harness.

**NOTE:**

Two technicians are required to perform this step.

27. Remove the instrument panel.

- If necessary, transfer the components to the new instrument panel.

Installation Note**NOTE:**

Two technicians are required to perform this step.

1. Position the instrument panel.
2. Connect the instrument panel to main harness.
3. Align and install the instrument panel.
4. Install the left hand instrument panel cowl side bolts.
5. Install the right hand instrument panel cowl side bolt.
6. Install the instrument panel brace bolt.
7. Connect the electrical connectors and the ground wires on the right hand cowl panel.
8. Lower the glove compartment.
 - Press the glove compartment release tabs inward while pulling downward on the glove compartment.
9. Connect the radio antenna cable in-line connector.
10. Connect the climate control vacuum harness connector.
11. Connect the blend door actuator connector.

12. Install the passenger-side air bag module. See [08-10 PASSENGER AIR BAG MODULE REMOVAL / INSTALLATION](#).
13. Connect the airbag diagnostic monitor connector.
14. Install the instrument panel valance panel.
15. Position the bulkhead connector handle.
16. Connect the brake pedal position (BPP) switch connector.
17. Connect the clutch pedal position (CPP) switch connector.
18. Install the bulkhead connector insulator.
19. Install the bulkhead wiring harness connectors.
20. Install the engine compartment fuse box onto the bracket.
21. Install both front side trim panels.
22. Install both A-pillar trim panels.
23. Install the right hand and left hand scuff plates.
24. Install the instrument panel fuse panel opening door.
25. Install the parking brake release handle.
26. Install the steering column. See [06-12 STEERING COLUMN REMOVAL / INSTALLATION](#).

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