


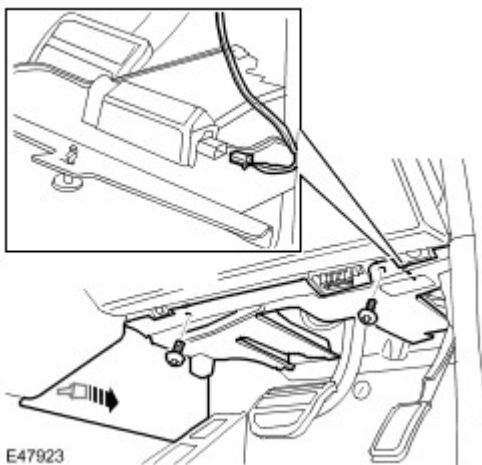


Instrument Panel - 4.4L (76.46.23/99)

Removal

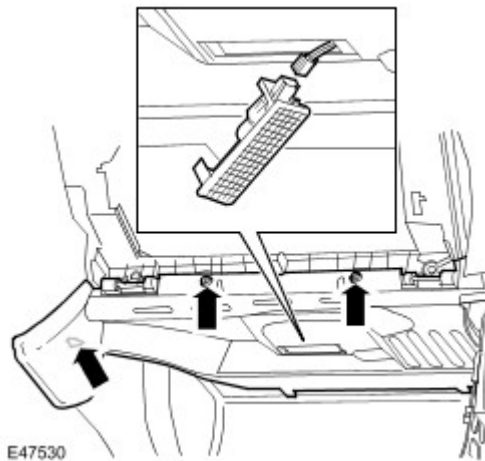
1. Remove the engine cover.
2. Evacuate the A/C system. For additional information, refer to [Air Conditioning \(A/C\) System Recovery, Evacuation and Charging \(82.30.02\)](#) (Section 412-00)
3.  **WARNING: Do not work on or under a vehicle supported only by a jack. Always support the vehicle on safety stands.**

Raise and support the vehicle.
4. Drain the cooling system. For additional information, refer to [Cooling System Draining, Filling and Bleeding \(26.10.01\)](#) (Section 303-03)
5. Remove the floor console. For additional information, refer to [Floor Console \(76.25.01\)](#) (Section 501-12)
6. Remove both cowl side trim panels. For additional information, refer to [Cowl Side Trim Panel \(76.13.27\)](#) (Section 501-05)
7. Remove the driver side closing trim panel.
 - Release the clip.
 - Remove the 2 screws.
 - Disconnect the electrical connector.



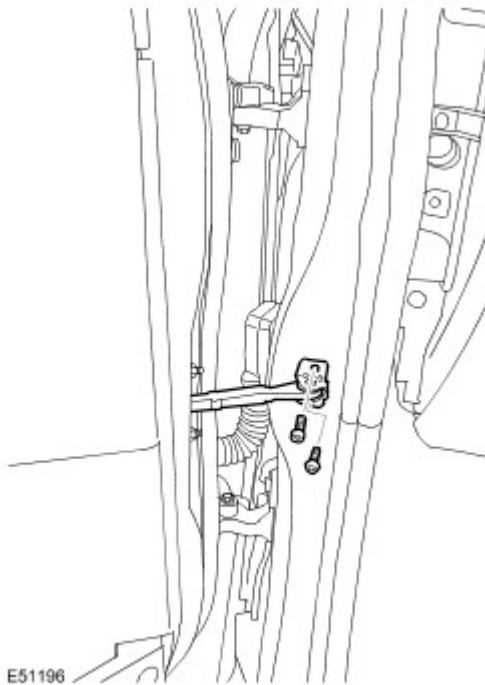
8. Remove the passenger side closing trim panel.
 - Release the clip.
 - Remove the 2 screws.

- ▶ Disconnect the electrical connector.



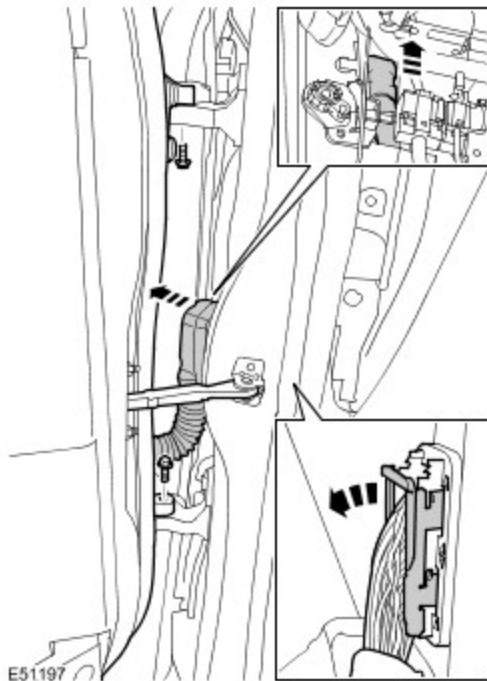
- 9 . Release the door check strap from the A-pillar.

- ▶ Remove the 2 Torx bolts.



- 10 . With assistance, remove the door assembly.

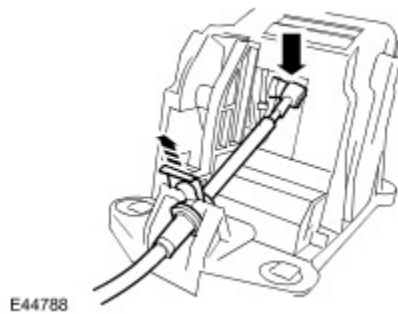
- ▶ Disconnect the electrical connector.
- ▶ Release the wiring harness grommet.
- ▶ Release the wiring harness retaining clip.
- ▶ Remove the 2 bolts.



11. Remove the front seats. For additional information, refer to [Front Seat \(78.10.44/99\)](#) (Section 501-10)

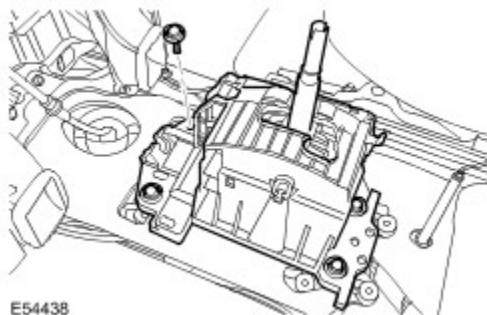
12. Release the transmission selector lever cable.

- Remove the clip.
- Release the cable.



13. Remove the transmission selector lever.

- Remove the 4 bolts.

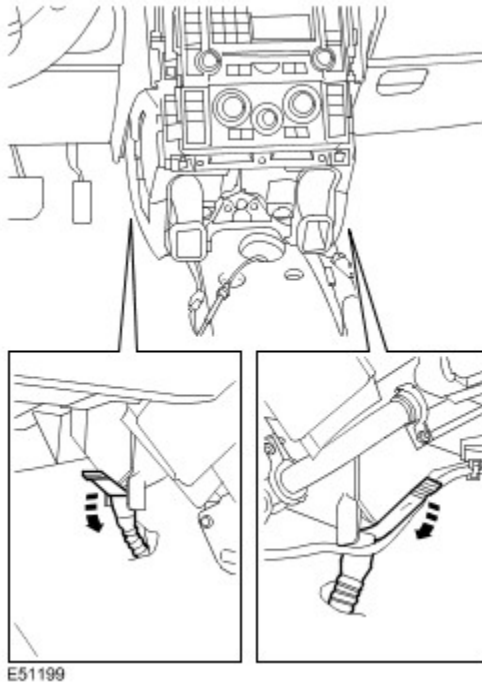


14. Disconnect the steering column intermediate shaft from the steering column.

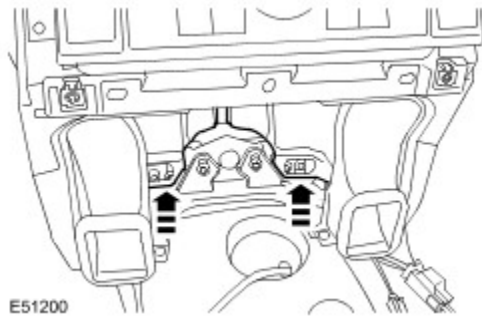
- Note the fitted position.
- Remove the special bolt and discard the nut.



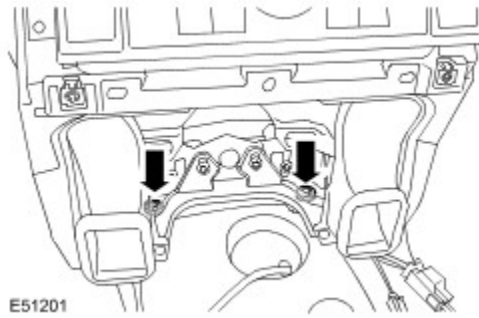
15. Disconnect 2 drain tubes from the heater housing.



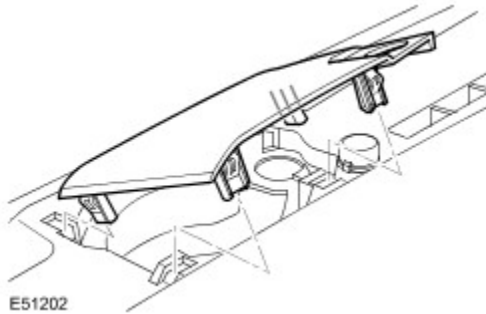
16. Position the heater housing center ducts aside for access.



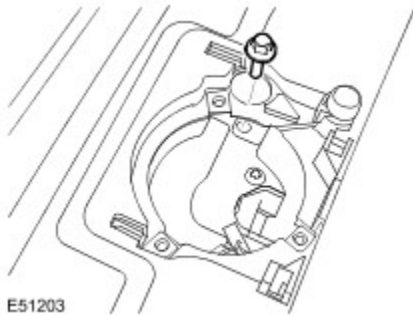
17. Remove 2 Torx bolts from the instrument panel center bracket.



- 18 . Remove the instrument panel upper section speaker grille.
▶ Release the 4 clips.

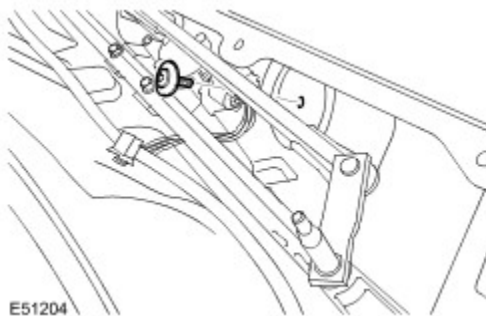


- 19 . Remove the instrument panel upper section to body bolt.



- 20 . Remove the plenum chamber panel.

- 21 . Remove the instrument panel carrier to bulkhead Torx bolt.



- 22 .

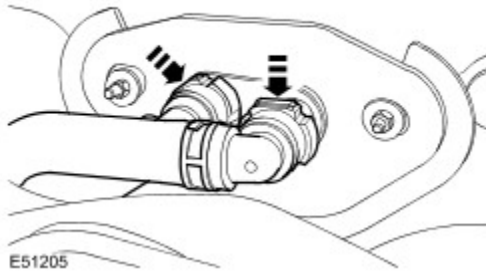


CAUTION: Before disconnecting or removing the components, ensure the area around the joint faces and connections are clean. Plug open connections to prevent contamination.

Disconnect 2 heater hoses from the bulkhead.



Release the 2 clips.



23. Release 2 A/C lines from the body.



Remove the nut.

- 24.



CAUTION: Immediately cap all refrigerant lines to prevent ingress of dirt and moisture.

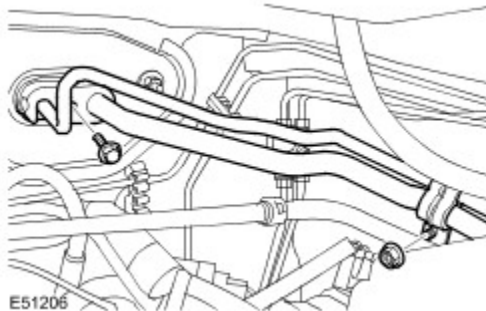
Release 2 A/C lines from the bulkhead.



Remove the bolt.



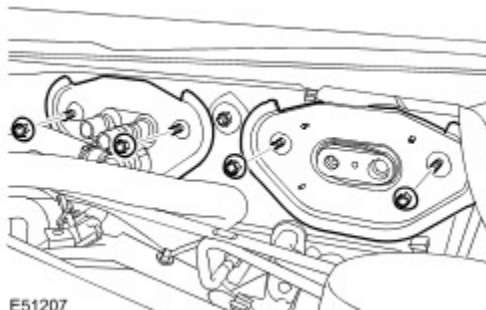
Remove and discard the O-ring seals.



25. Remove the 2 adaptor panels.

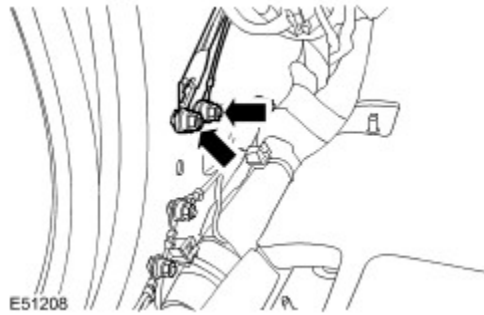


Remove the 4 nuts.

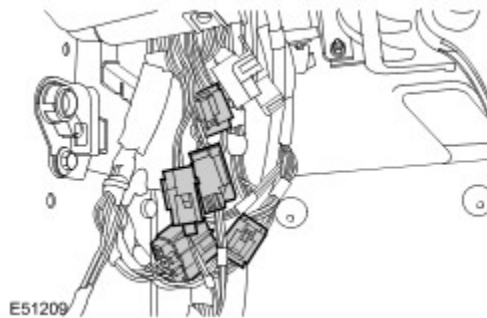


26. Release the 3 ground cables from the driver side lower A-pillar.

➤ Remove the 2 nuts.

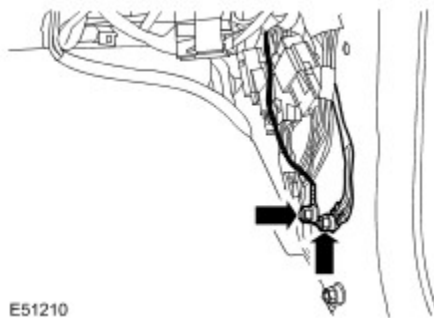


27. Disconnect the 5 electrical connectors from the driver side lower A-pillar.



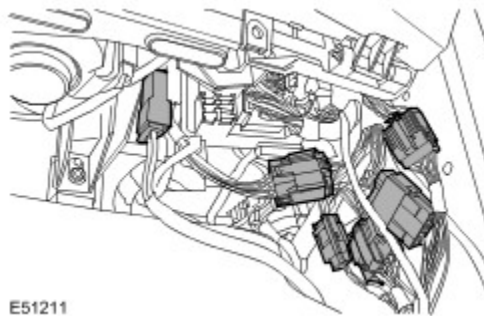
28. Release the 3 ground cables from the passenger side lower A-pillar.

➤ Remove the 2 nuts.

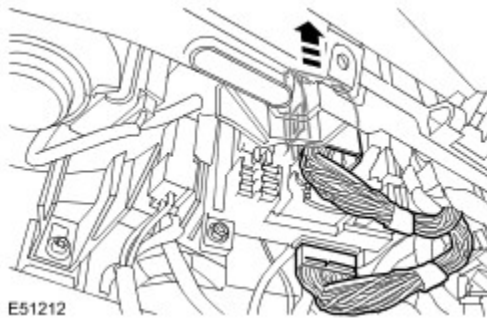


29. Disconnect the 5 electrical connectors from the passenger side lower A-pillar.

30. Disconnect the heater motor electrical connector.



- 31 . Disconnect 2 central junction box (CJB) electrical connectors.



- 32 . Disconnect 2 electrical connectors from the instrument panel center reinforcement.

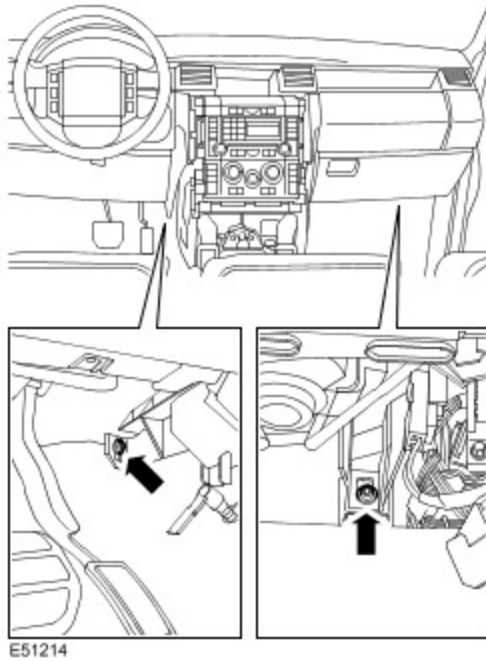
- 33 . If installed, disconnect the instrument panel center reinforcement fibre optic cables.

▶ Disconnect the electrical connector.



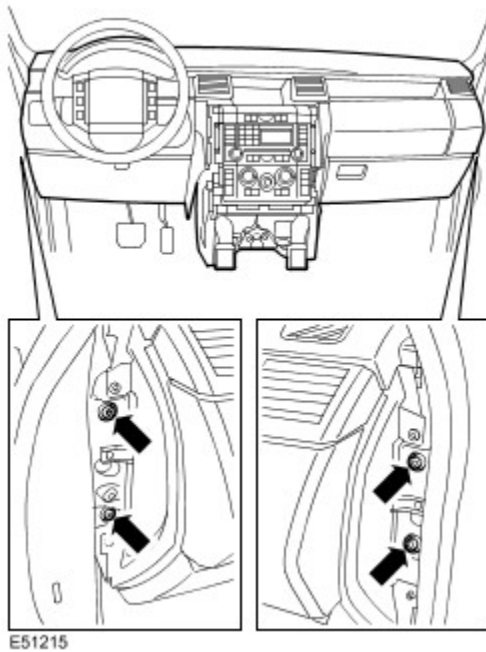
- 34 . Driver side: Remove the heater housing to bulkhead Torx bolt.

- 35 . Passenger side: Remove the heater housing to bulkhead Torx bolt.



- 36 . With assistance, remove the instrument panel.









➤ Remove the 4 Torx bolts.



Installation

- 1 . With assistance, install the instrument panel.

➤ Tighten the Torx bolts to 25 Nm (18 lb.ft).

- 2 . Passenger side: Install the heater housing to bulkhead Torx bolt and tighten to 6 Nm (4 lb.ft).
- 3 . Driver side: Install the heater housing to bulkhead Torx bolt and tighten to 6 Nm (4 lb.ft).
- 4 . Connect the instrument panel center reinforcement fibre optic cables.
- 5 . Connect the instrument panel center reinforcement electrical connectors.
- 6 . Connect the CJB electrical connectors.
- 7 . Connect the heater motor electrical connector.
- 8 . Connect the electrical connectors to the passenger side lower A-pillar.
- 9 . Connect the ground cables to the passenger side lower A-pillar.
 -  Tighten the nuts to 10 Nm (7 lb.ft).
- 10 . Connect the electrical connectors to the driver side lower A-pillar.
- 11 . Connect the ground cables to the driver side lower A-pillar.
 -  Tighten the nuts to 10 Nm (7 lb.ft).
- 12 . Install the adaptor panels.
 -  Tighten the nuts to 10 Nm (7 lb.ft).
- 13 . Secure the A/C lines to the bulkhead.
 -  Clean the components.
 -  Install new O-ring seals.
 -  Tighten the bolt to 10 Nm (7 lb.ft).
- 14 . Secure the A/C lines to the body.
 -  Tighten the nuts to 10 Nm (7 lb.ft).
- 15 . Connect the bulkhead heater hoses.
- 16 . Install the instrument panel carrier to bulkhead Torx bolt and tighten to 25 Nm (18 lb.ft).
- 17 . Install the plenum chamber panel.
- 18 . Install the instrument panel upper section to body bolt and tighten to 10 Nm (7 lb.ft).
- 19 . Install the speaker grille.
 -  Secure with the clips.
- 20 .

- Install the instrument panel center bracket Torx bolts and tighten to 25 Nm (18 lb.ft).
- 21 . Attach the heater housing center ducts.
 - 22 . Connect the drain tubes to the heater housing.
 - 23 . Connect the steering column intermediate shaft.
 - Install the special bolt and tighten the new nut to 22 Nm (16 lb.ft).
 - 24 . Install the transmission selector lever.
 - Tighten the bolts to 10 Nm (7 lb.ft).
 - 25 . Attach the transmission selector lever cable.
 - Install the clip.
 - 26 . Install the front seats. For additional information, refer to [Front Seat \(78.10.44/99\)](#) (Section 501-10)
 - 27 . With assistance, install the door assembly.
 - Tighten the bolts to 10 Nm (7 lb.ft).
 - Attach the retaining clip.
 - Install the grommet.
 - Connect the electrical connector.
 - 28 . Attach the door check strap to the 'A' pillar.
 - Tighten the Torx bolts to 10 Nm (7 lb.ft).
 - 29 . Install the driver side closing trim panel.
 - Connect the electrical connector.
 - Secure the clip.
 - Tighten the screws.
 - 30 . Install the passenger side closing trim panel.
 - Connect the electrical connector.
 - Secure the clip.
 - Tighten the screws.
 - 31 . Install the cowl side trim panels. For additional information, refer to [Cowl Side Trim Panel \(76.13.27\)](#) (Section 501-05)
 - 32 . Install the floor console. For additional information, refer to [Floor Console \(76.25.01\)](#) (Section 501-12)
 - 33 . Refill the cooling system. For additional information, refer to [Cooling System Draining, Filling and Bleeding \(26.10.01\)](#) (Section 303-03)

- 34 . Recharge the A/C system. For additional information, refer to [Air Conditioning \(A/C\) System Recovery, Evacuation and Charging \(82.30.02\)](#) (Section 412-00)
- 35 . Install the engine cover.