


Evaporator Core (82.25.20)

Removal

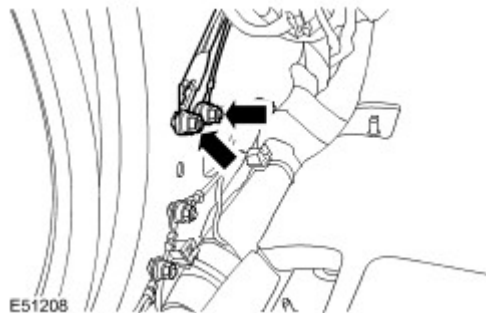
- 1 . Evacuate the A/C system.
For additional information, refer to : Climate Control System - General Information, 412-00.

- 2 .  **WARNING : Do not work on or under a vehicle supported only by a jack. Always support the vehicle on safety stands.**

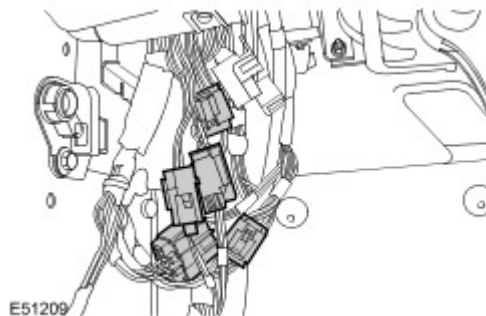
Raise and support the vehicle.

- 3 . Drain the cooling system.
For additional information, refer to : Climate Control System - General Information, 412-00.
- 4 . Remove the driver side front seat.
For additional information, refer to : Seating, 501-10.
- 5 . Remove the instrument panel upper section.
For additional information, refer to : Instrument Panel and Console, 501-12.
- 6 . Release the 3 ground cables from the driver side lower A-pillar.

➤ Remove the 2 nuts.

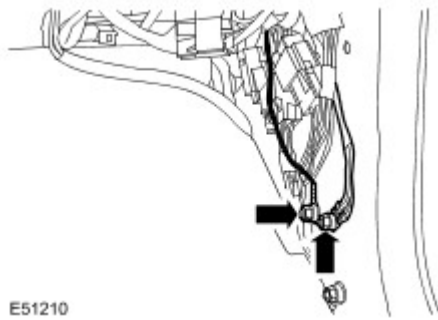


- 7 . Disconnect the 5 electrical connectors from the driver side lower A-pillar.



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

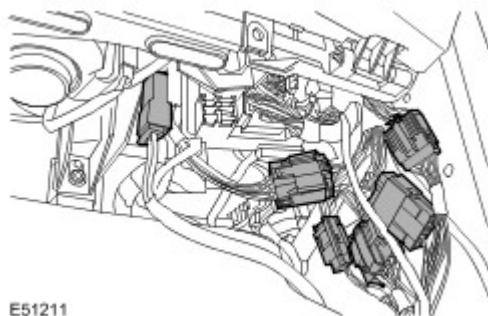
➤ Remove the 2 nuts.



E51210

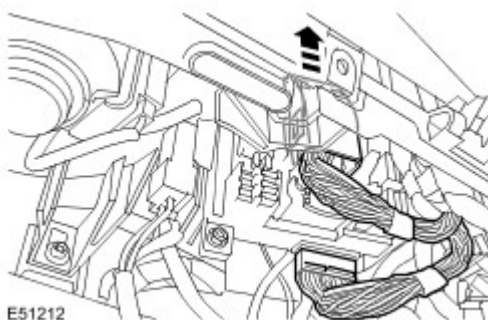
9 . Disconnect the heater motor electrical connector.

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




E51211

11 . Disconnect 2 central junction box (CJB) electrical connectors.




E51212

12 . Disconnect 2 electrical connectors from the instrument panel center reinforcement.

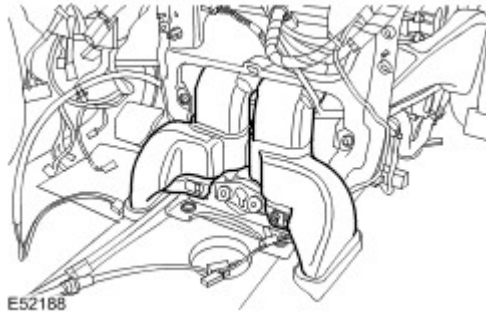
13 .  **CAUTION : Cover fibre optic cable connectors to minimise dust ingress and avoid bending the cables in a radius of less than 30 mm.**

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

 Disconnect the electrical connector.



14 . Remove the heater housing center ducts.



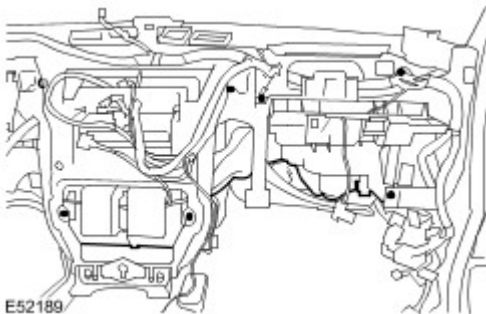
15 . Disconnect the steering column intermediate shaft from the steering column.

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



16 . Release the heater housing from the instrument panel carrier.

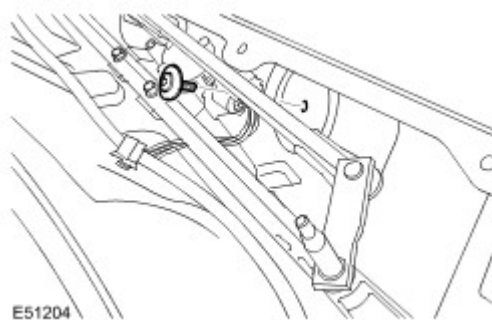
- ▶ Remove the 7 Torx screws.



17 . Remove the plenum chamber panel.

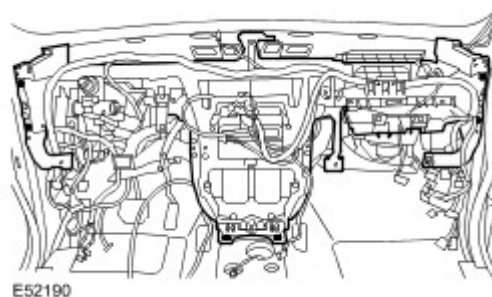
For additional information, refer to : Air Distribution and Filtering, 412-01.

18 . Remove the instrument panel carrier to bulkhead Torx bolt.



19 . With assistance, remove the instrument panel.

▶ Remove the 6 Torx bolts.



20 . Disconnect both exhaust gas recirculation (EGR) coolant rail crossover hoses.

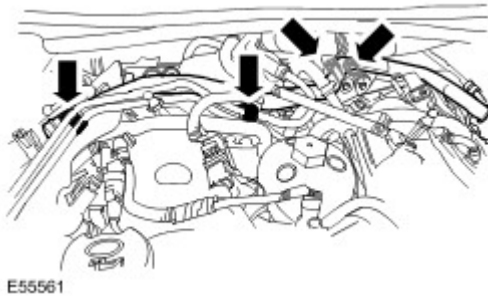
▶ Release the 2 clips.



21 . Remove the EGR coolant crossover pipe.

▶ Remove the 2 bolts.

▶ Release the 2 clips.



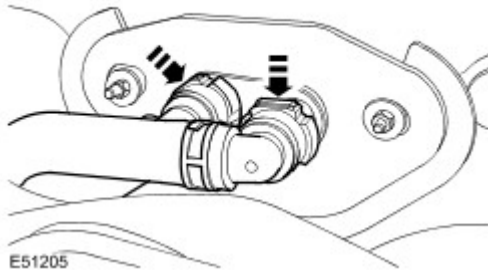
22 .



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.

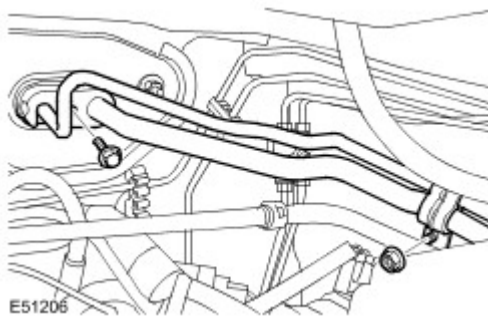
24 .



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

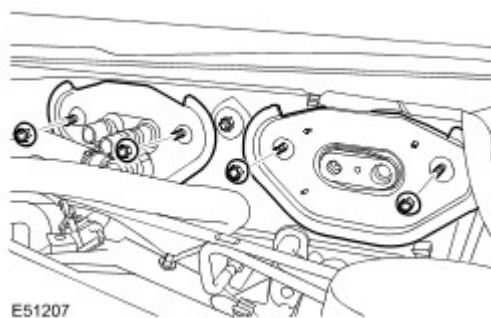
Release 2 A/C lines from the bulkhead.

- ▶ Remove the bolt.
- ▶ Remove and discard the O-ring seals.

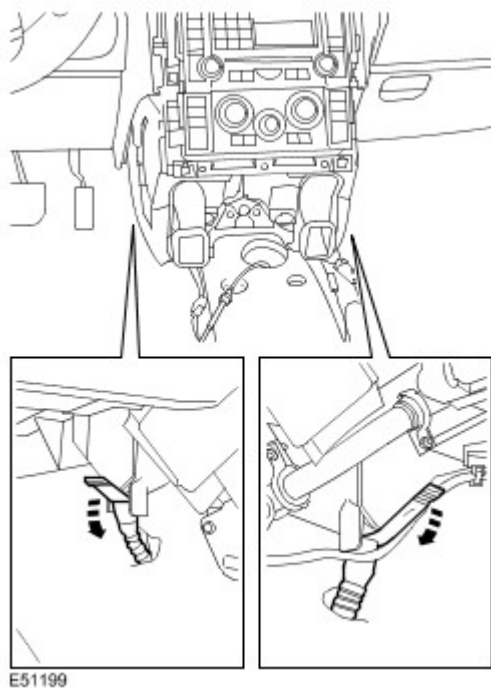


25 . Remove the 2 adaptor panels.

- ▶ Remove the 4 nuts.



26 . Disconnect 2 drain tubes from the heater housing.



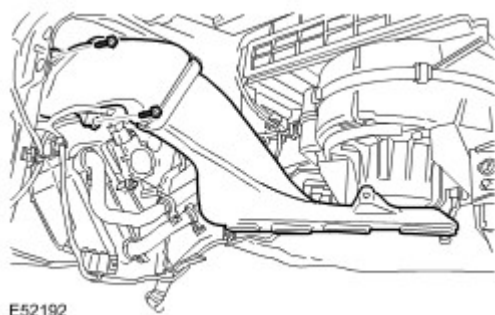
27 . Remove the driver side footwell duct.

▶ Remove the 2 Torx screws.



28 . Remove the passenger side footwell duct.

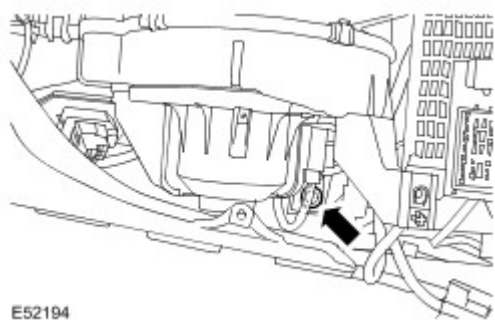
▶ Remove the 2 Torx screws.



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



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

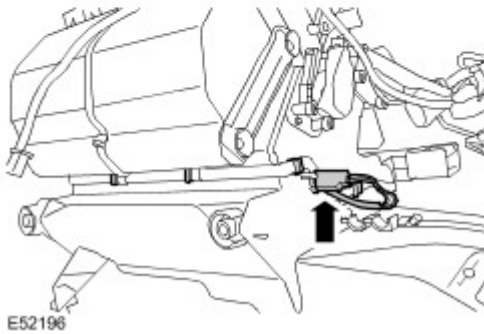
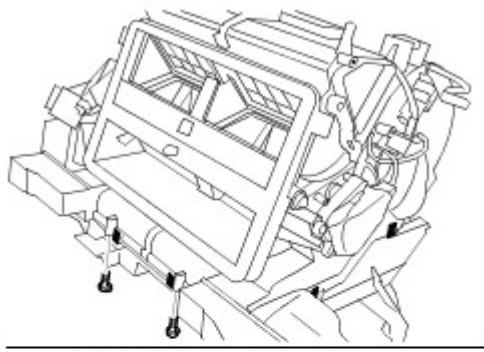


31 . Remove the heater housing.

32 . Disconnect the evaporator core temperature sensor electrical connector.

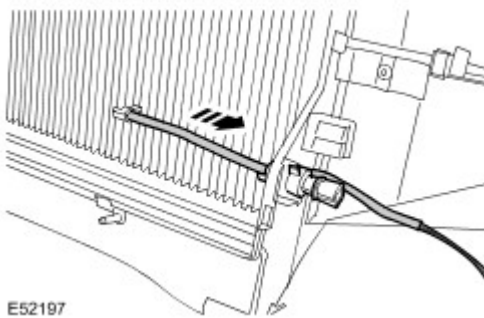
33 . Release the heater core housing.

- ▶ Remove the 2 screws.
- ▶ Remove the 8 clips.



34 . Remove the evaporator core.

▶ Release the temperature sensor.



Installation

1 . Install the evaporator core.

▶ Secure the temperature sensor.

2 . Secure the heater core housing.

▶ Install the clips.

▶ Tighten the screws.

3 . Connect the temperature sensor electrical connector.

4 . Install the heater housing.


5 . Passenger side: Install the heater housing to bulkhead Torx bolt and tighten to 6 Nm (4 lb.ft).

6 . Driver side: Install the heater housing to bulkhead Torx bolt and tighten to 6 Nm (4 lb.ft).

7 . Install the footwell ducts.

- ▶ Tighten the Torx screws.
- 8 . Connect the drain tubes to the heater housing.
 - 9 . Install the adaptor panels.
 - ▶ Tighten the nuts to 6 Nm (4 lb.ft).
 - 10 . Secure the A/C lines to the bulkhead.
 - ▶ Clean the components.
 - ▶ Install new O-ring seals.
 - ▶ Tighten the bolt to 6 Nm (4 lb.ft).
 - 11 . Secure the A/C lines to the body.
 - ▶ Tighten the nut to 6 Nm (4 lb.ft).
 - 12 . Connect the bulkhead heater hoses.
 - 13 . Install the EGR coolant crossover pipe.
 - ▶ Tighten the bolts to 10 Nm (7 lb.ft).
 - ▶ Secure the clips.
 - ▶ Connect the hoses and secure with the clips.
 - 14 . With assistance, install the instrument panel.
 - ▶ Tighten the Torx bolts to 25 Nm (18 lb.ft).
 - 15 . Install the instrument panel carrier to bulkhead Torx bolt and tighten to 25 Nm (18 lb.ft).
 - 16 . Install the plenum chamber panel.
For additional information, refer to : Air Distribution and Filtering, 412-01.
 - 17 . Secure the heater housing.
 - ▶ Tighten the screws.
 - 18 . Connect the steering column intermediate shaft.
 - ▶ Install the special bolt and tighten the new nut to 22 Nm (16 lb.ft).
 - 19 . Install the heater housing center ducts.
 - 20 . Connect the instrument panel center reinforcement fibre optic cables.
 - 21 . Connect the instrument panel center reinforcement electrical connectors.
 - 22 . Connect the CJB electrical connectors.
 - 23 . Connect the heater motor electrical connector.
 - 24 . Connect the electrical connectors to the passenger side lower A-pillar.
 - 25 . Connect the ground cables to the passenger side lower A-pillar.
 - ▶ Tighten the nuts to 10 Nm (7 lb.ft).
 - 26 . Connect the electrical connectors to the driver side lower A-pillar.

27 . Connect the ground cables to the driver side lower A-pillar.

 Tighten the nuts to 10 Nm (7 lb.ft).

28 . Install the instrument panel upper section.

For additional information, refer to : Instrument Panel and Console, 501-12.

29 . Install the front seat.

For additional information, refer to : Seating, 501-10.

30 . Recharge the A/C system.

For additional information, refer to : Climate Control System - General Information, 412-00.

31 . Refill the cooling system.

For additional information, refer to