

Specifications

Lubricants, Fluids and Sealers

Item	Specification
Sealant — Blower motor to blower motor housing	WSE-M4G323-A4

Torque specifications

Discription	Nm	lb-ft
Blower	15	11
Heater core and evaporator core housing	15	11
Heater control valve nut	6	4
Heater control valve bolt	22	16


Blower

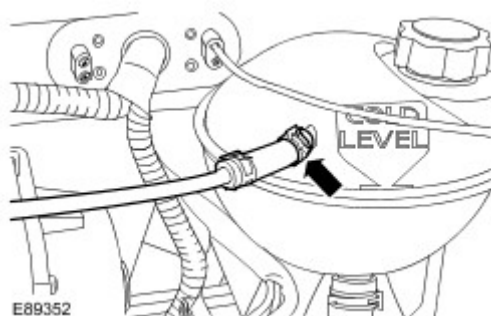
Removal

- 1 . Remove the air inlet duct.
For additional information, refer to [Air Inlet Duct \(80.15.31\)](#)


- 2 .  **CAUTION: Make sure that all openings are sealed. Use new blanking caps.**

Disconnect the coolant expansion tank pipe.

 Release the clip.

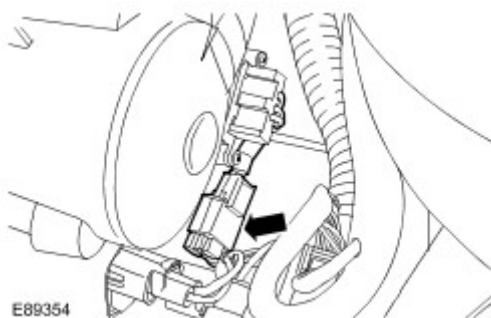


- 3 . Disconnect the recirculation blend door control cable.

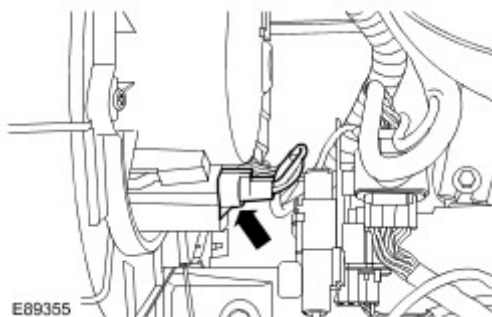
 Release the clip.



- 4 . Disconnect the blower motor resistor electrical connector.

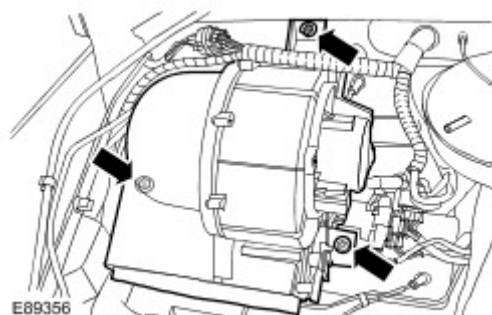


- 5 . Disconnect the blower motor electrical connector.



6 . Remove the blower.

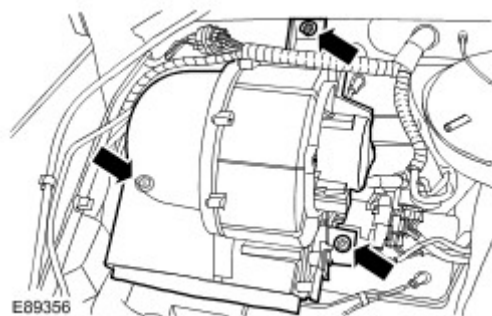
▶ Remove the 3 nuts.



Installation

1 . To install, reverse the removal procedure.

▶ Tighten to 15 Nm (11 lb.ft).



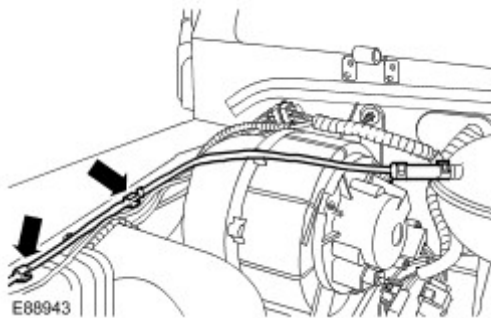
Blower Motor (80.20.15)

Removal

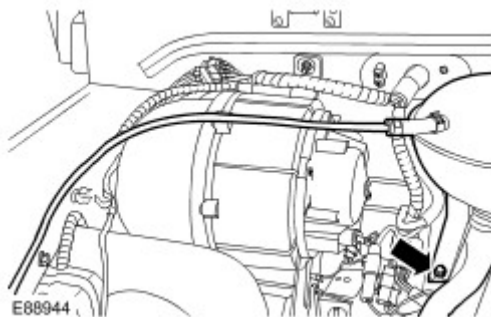
NOTE:

LHD shown, RHD similar.

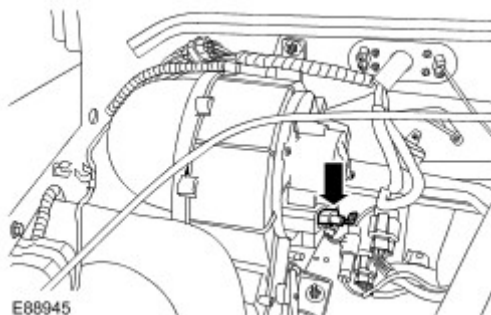
- 1 . Release the coolant expansion tank to radiator pipe.



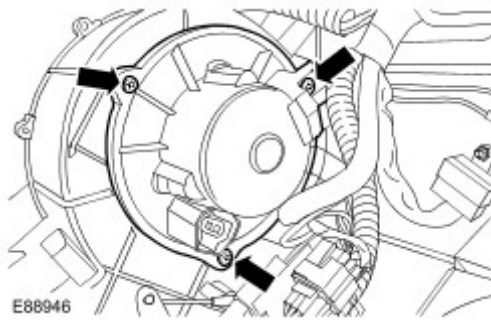
- 2 . Release the coolant expansion tank.
▶ Remove the bolt.



- 3 . Disconnect the blower motor electrical connector.



- 4 . Remove the blower motor.
▶ Remove the 3 screws.

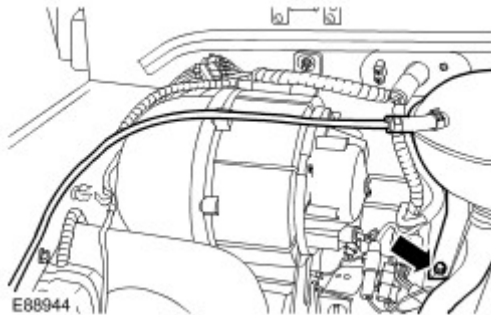


Installation

- 1 . To install, reverse the removal procedure.

▶ Apply a bead of sealant to the mating faces of the blower motor and blower motor housing.


- 2 . Tighten to 10 Nm (7 lb.ft).



Heater Core (80.20.29)

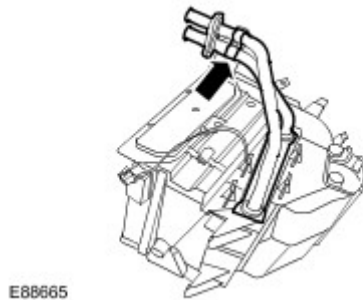
Removal

- 1 . Disconnect the battery ground cable.
For additional information, refer to [Battery Disconnect and Connect](#).
- 2 . Remove the heater core housing.
For additional information, refer to [Heater Core Housing](#).

- 3 .  **CAUTION:** Make sure no damage occurs to the foam seal on the heater core. Failure to follow this caution may result in damage to the component.

Remove the heater core.

- Remove the screw.
- Remove the pipe clamp.



- 4 . **NOTE:**
Do not disassemble further if the component is removed for access only.

Remove the grommet from the heater core pipes.

Installation

- 1 . To install, reverse the removal procedure.
- 2 . Connect the battery ground cable.
For additional information, refer to [Battery Connect](#).

Heater Core and Evaporator Core Housing

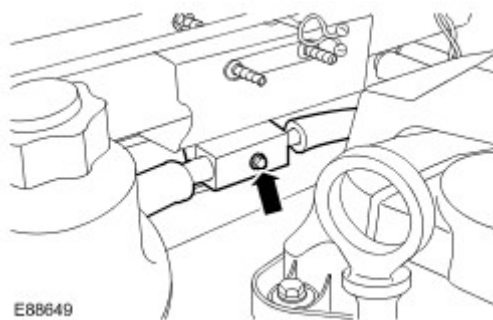
Removal

- 1 . Disconnect the battery ground cable.
For additional information, refer to [Battery Disconnect and Connect](#)
- 2 . Recover the air conditioning (A/C) refrigerant.
For additional information, refer to [Air Conditioning \(A/C\) System Recovery, Evacuation and Charging \(82.30.02\)](#)
- 3 . Remove the engine control module (ECM).
For additional information, refer to [Engine Control Module \(ECM\) \(18.30.03\)](#)

- 4 .  **CAUTION: Make sure that all openings are sealed. Use new blanking caps.**

Release the thermostatic expansion valve manifold and tube assembly.

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



- 5 . Disconnect the heater core hoses.
 - Using a suitable pipe clamp, clamp the heater hoses.
 - Release the 2 clips.

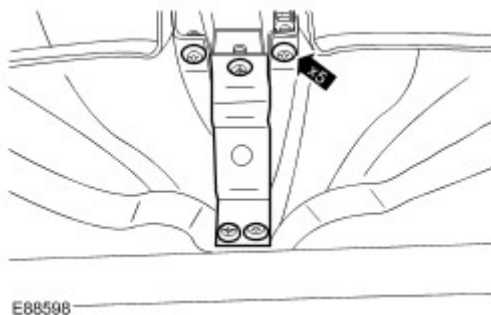


- 6 . Remove the instrument panel.
For additional information, refer to [Instrument Panel \(76.46.23/99\)](#)

- 7 . **NOTE:**
Make sure the clips are discarded.

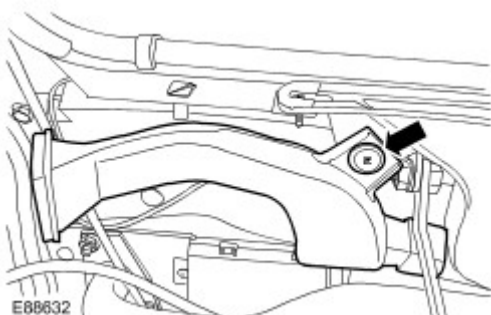
Remove the audio unit support bracket.

▶ Remove and discard the 5 clips.



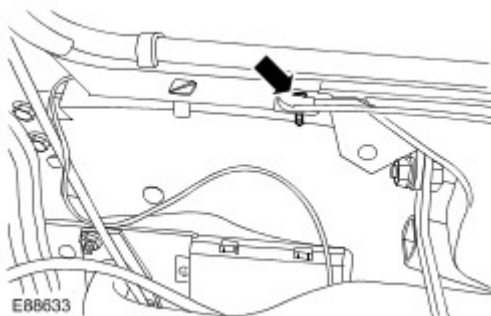
8 . Remove the LH demister duct.

▶ Remove the clip.



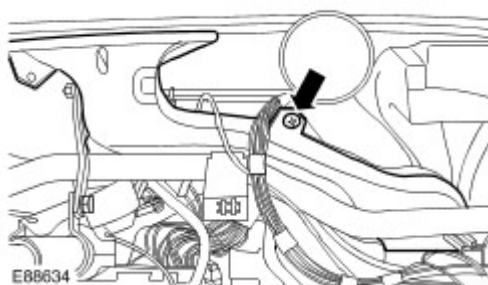
9 . Release the LH defrost vent duct.

▶ Remove the screw.



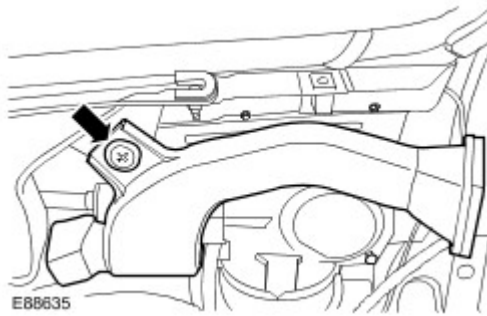
10 . Remove the LH defrost vent duct.

▶ Remove the clip.



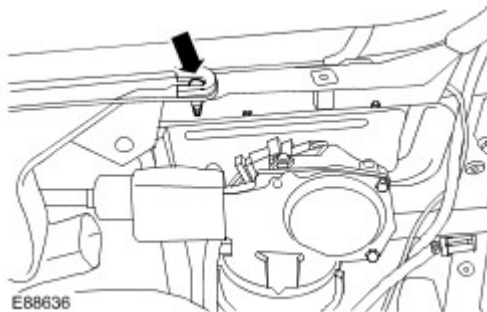
11 . Remove the RH demister duct.

➤ Remove the clip.



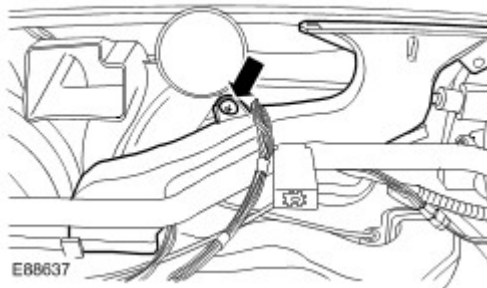
12 . Release the RH defrost vent duct.

➤ Remove the screw.

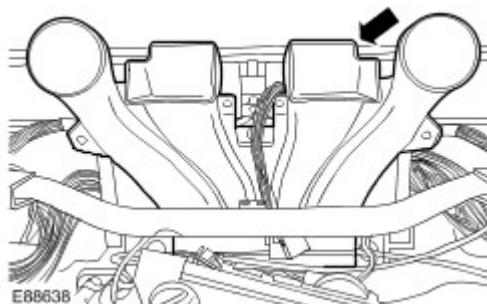


13 . Remove the RH vent duct.

➤ Remove the clip.

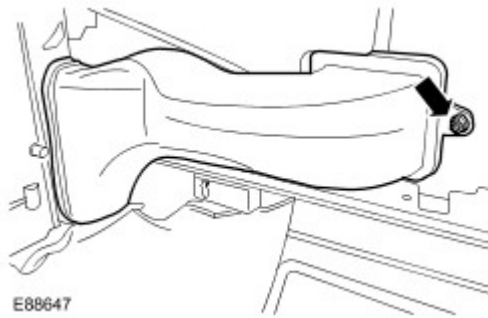


14 . Remove the center register duct.



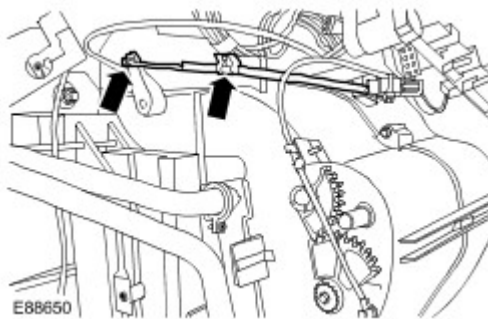
15 . Remove the air inlet duct.

▶ Remove the nut.



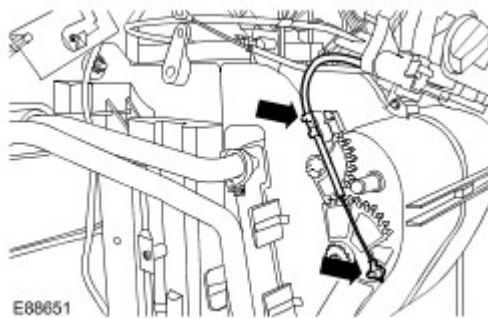
16 . Disconnect the defrost duct blend door control cable.

▶ Release the clip.

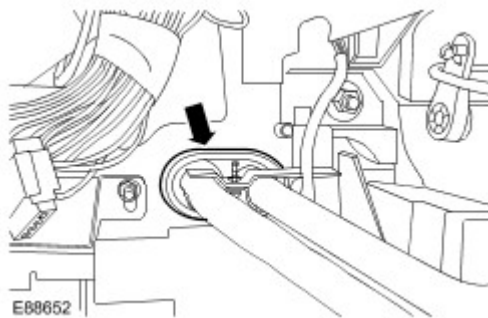


17 . Disconnect the footwell duct blend door control cable.

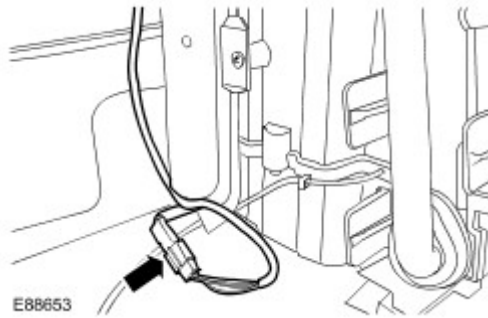
▶ Release the clip.



18 . Release the grommet from the bulkhead.

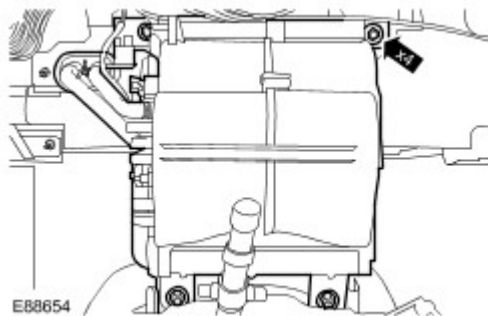


19 . Disconnect the de-icing switch electrical connector.



20 . Remove the heater core and evaporator core housing.

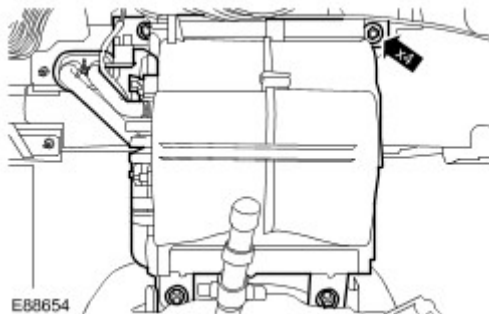
➤ Remove the 4 nuts.



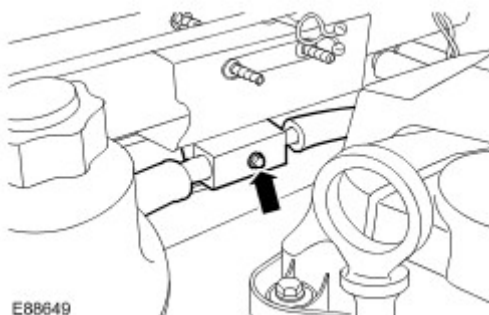
Installation

1 . To install, reverse the removal procedure.

➤ Tighten to 15 Nm (11 lb.ft).



2 . Tighten to 8 Nm (6 lb.ft).



- 3 . Connect the battery ground cable.
For additional information, refer to [Battery Connect](#).

Heater Core Housing

Removal

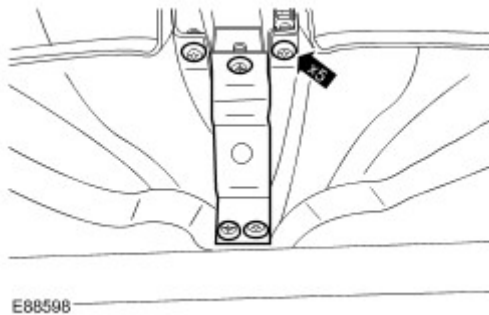
- 1 . Disconnect the battery ground cable.
For additional information, refer to [Battery Disconnect and Connect](#)
- 2 . Disconnect the heater core hoses.
 - ▶ Using a suitable pipe clamp, clamp the heater hoses.
 - ▶ Release the 2 clips.



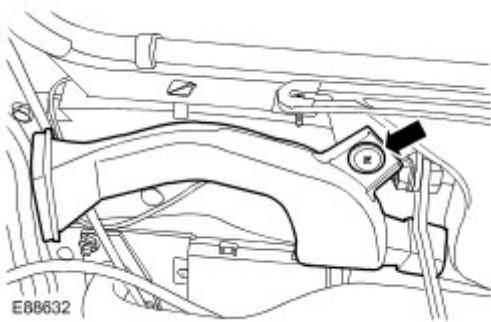
- 3 . Remove the instrument panel.
For additional information, refer to [Instrument Panel \(76.46.23/99\)](#)
- 4 . **NOTE:**
Make sure the clips are discarded.

Remove the audio unit support bracket.

- ▶ Remove and discard the 5 clips.

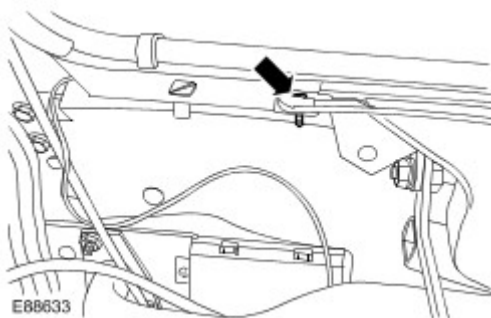


- 5 . Remove the LH demister duct.
 - ▶ Remove the clip.



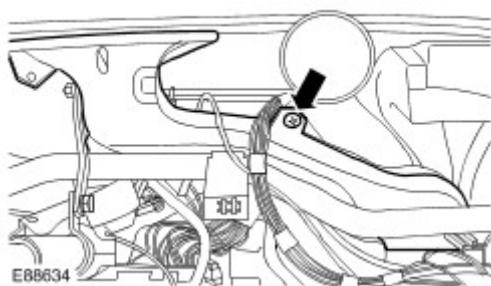
6 . Release the LH defrost vent duct.

➤ Remove the screw.



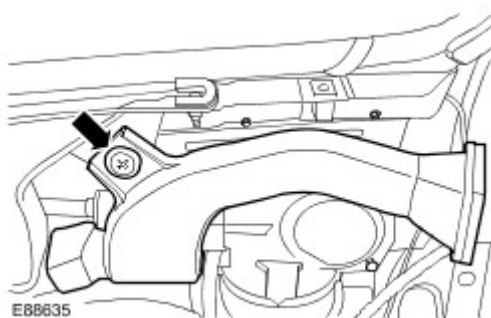
7 . Remove the LH defrost vent duct.

➤ Remove the clip.



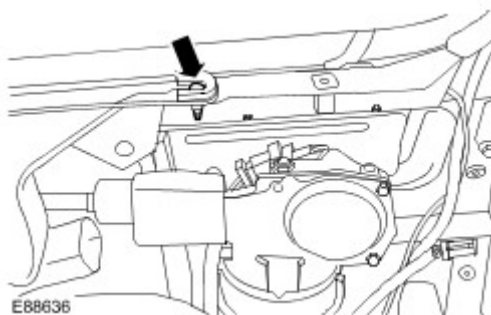
8 . Remove the RH demister duct.

➤ Remove the clip.



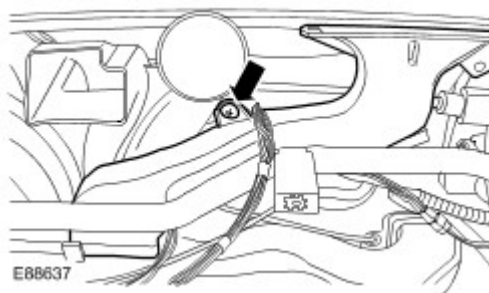
9 . Release the RH defrost vent duct.

▶ Remove the screw.

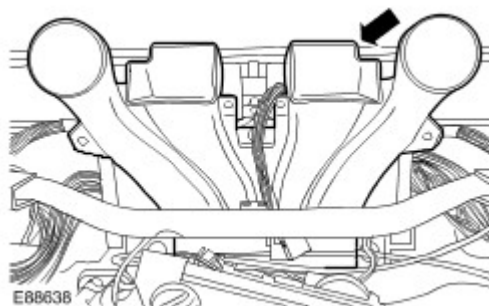


10 . Remove the RH vent duct.

▶ Remove the clip.

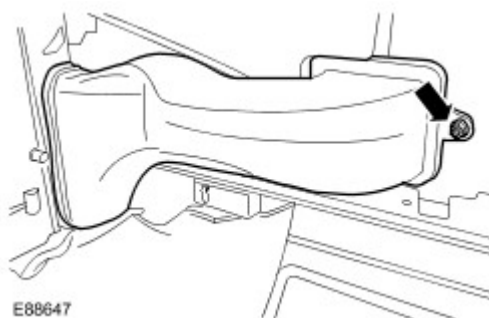


11 . Remove the center register duct.



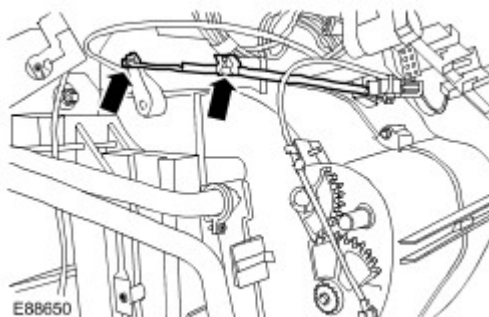
12 . Remove the air inlet duct.

▶ Remove the nut.



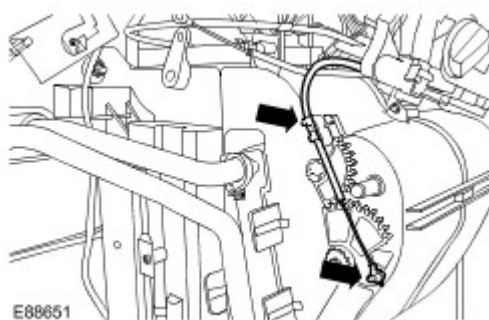
13 . Disconnect the defrost duct blend door control cable.

▶ Release the clip.

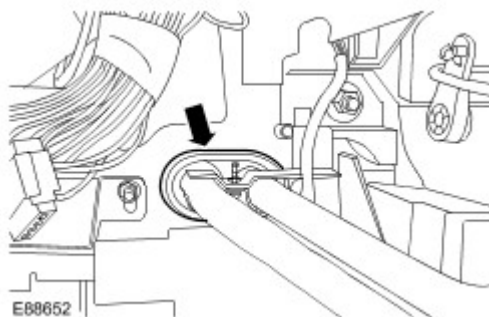


14 . Disconnect the footwell duct blend door control cable.

▶ Release the clip.

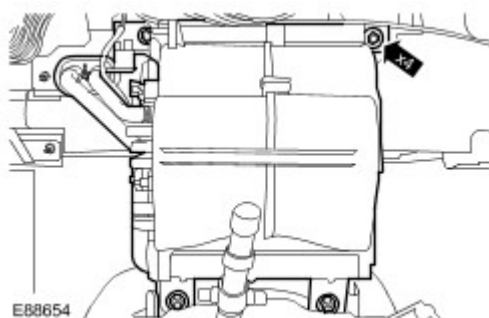


15 . Release the grommet from the bulkhead.



16 . Remove the heater core housing.

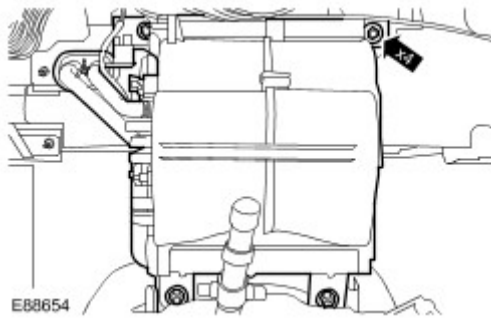
▶ Remove the 4 nuts.



Installation

1 . To install, reverse the removal procedure.

➤ Tighten to 15 Nm (11 lb.ft).



2 . Connect the battery ground cable.

For additional information, refer to [Battery Connect](#).