

VISCOUS COOLING FAN SHROUD (G2413289)

REMOVAL AND INSTALLATION

26.25.39

**ELECTRIC
COOLING FAN
AND SHROUD
– RENEW**

**2000 CC,
INGENIUM
DIESEL**

1.10

USED WITHINS

REMOVAL

CAUTION:

Be prepared to collect escaping coolant.

NOTES:

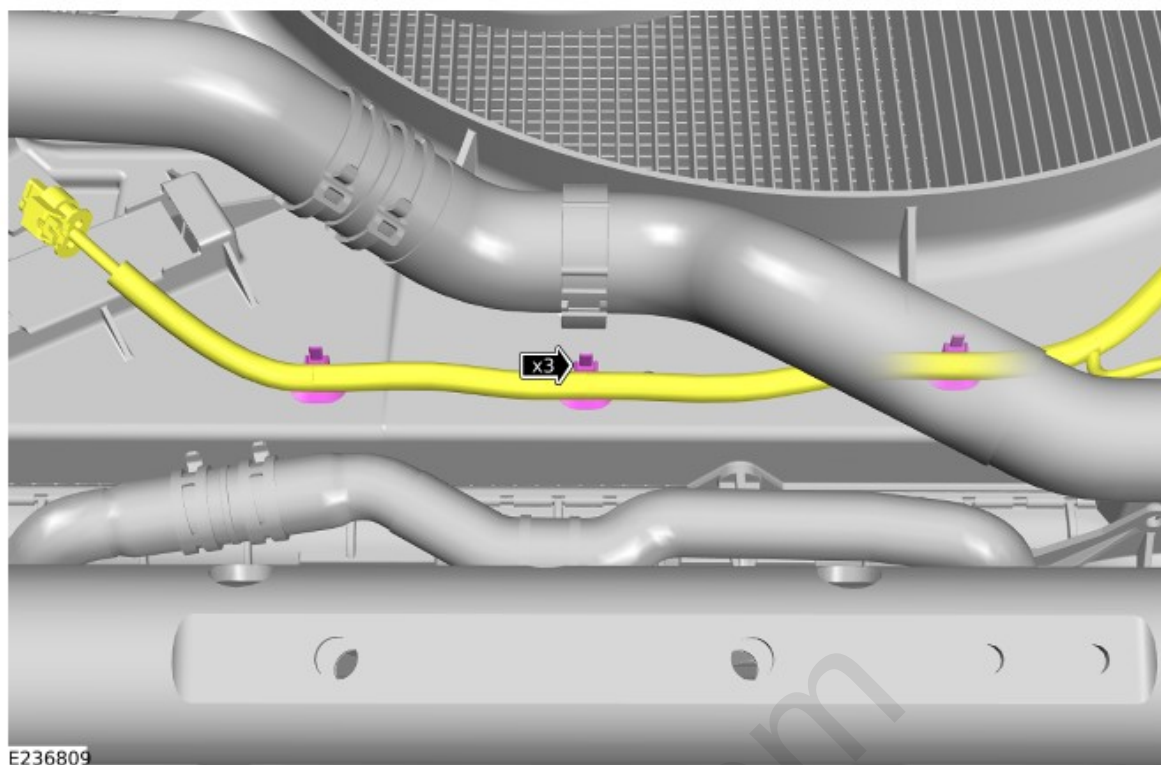
- This procedure contains some variation in the illustrations depending on the vehicle specification, but the essential information is always correct.
- This procedure contains illustrations showing certain components removed to provide extra clarity.

1. Raise and support the vehicle on a suitable 2-post lift.
Refer to: [Jacking and Lifting](#) (100-02 Jacking and Lifting, Description and Operation).

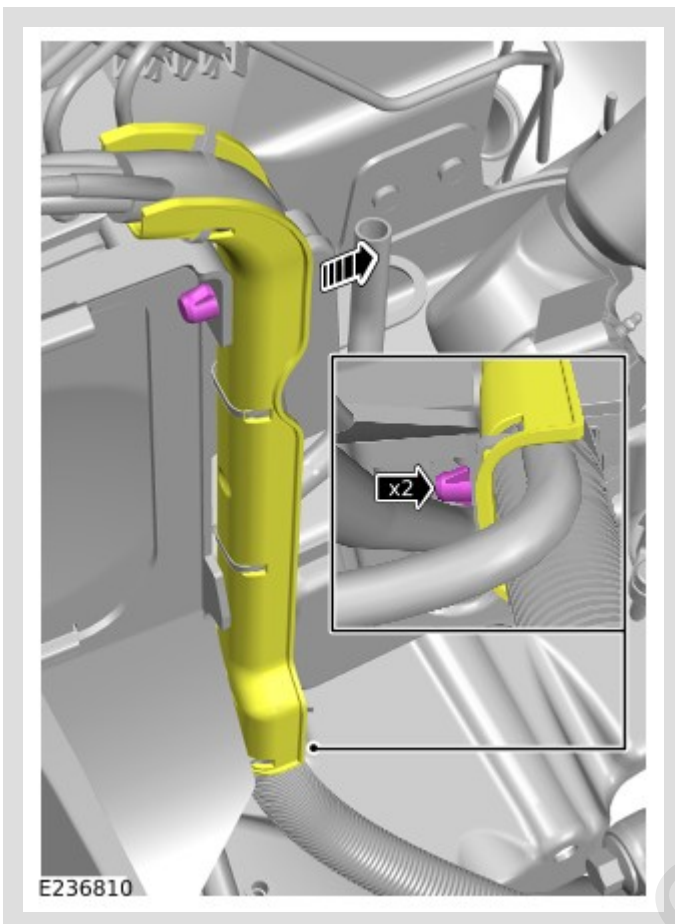
2. Disconnect the startup battery ground cable.
Refer to: [Specifications](#) (414-00 Battery and Charging System - General Information, Specifications).

3. Remove the viscous cooling fan.
Refer to: [Viscous Cooling Fan](#) (303-03C Engine Cooling - INGENIUM I6 3.0L Petrol, Removal and Installation).

4. Remove the charge air cooler coolant pump.
Refer to: [Charge Air Cooler Coolant Pump](#) (303-03C Engine Cooling - INGENIUM I6 3.0L Petrol, Removal and Installation).



Release the 3 wiring harness clips.

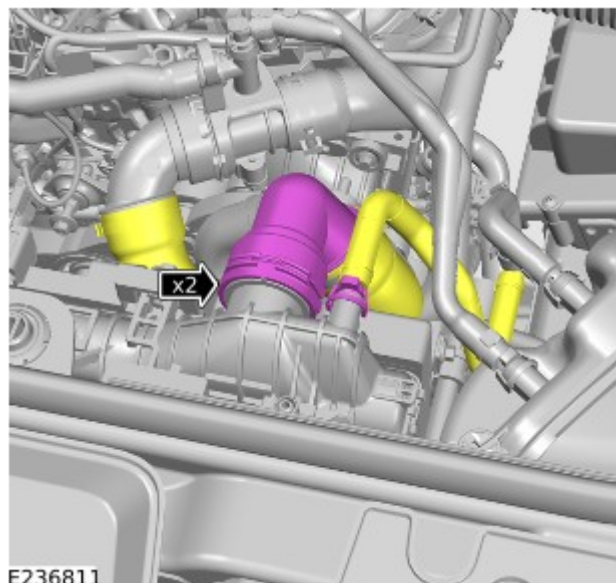


- Release the 2 wiring harness clips.
- Position the wiring harness bracket to one side.

7.

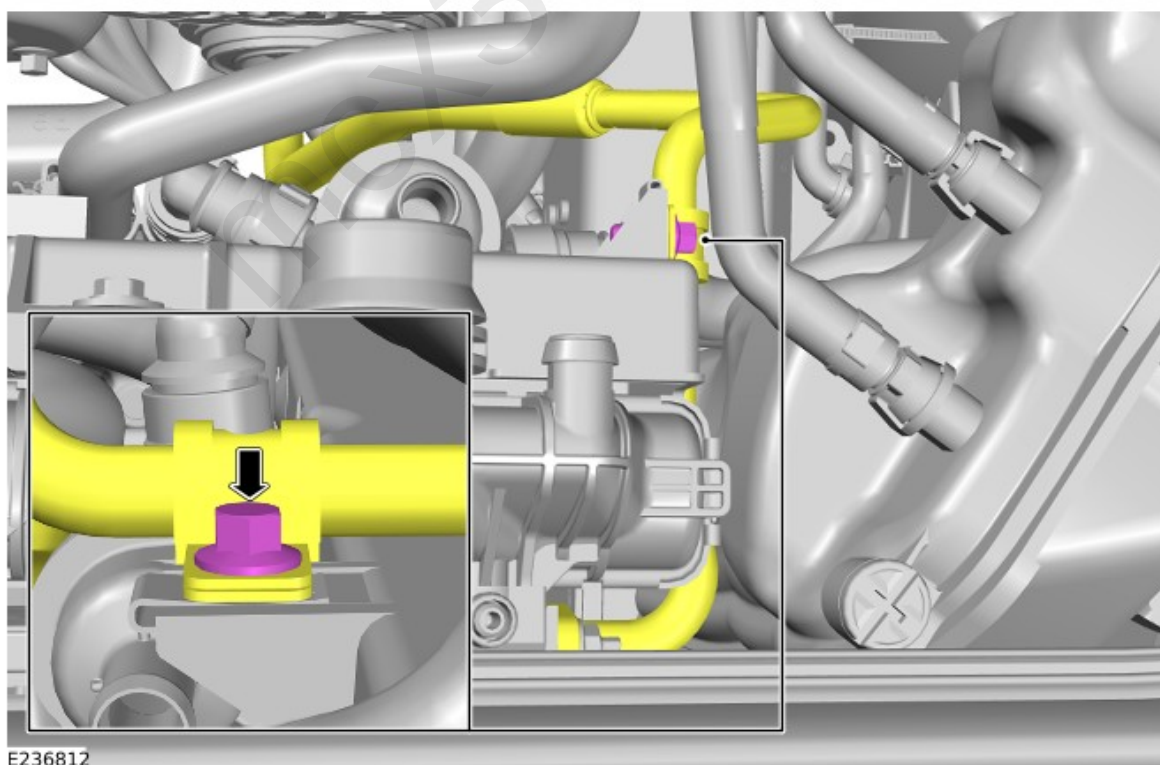
⚠ CAUTION:

Be prepared to collect escaping coolant.



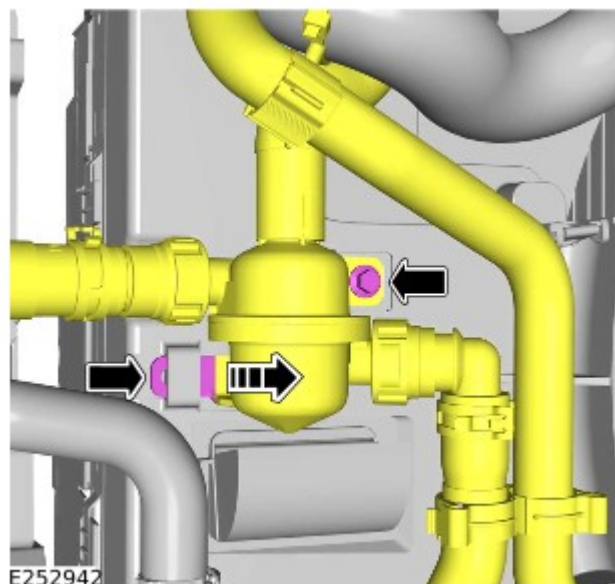
- Release the 2 coolant hoses.
- Position the 2 coolant hoses to one side.

8.



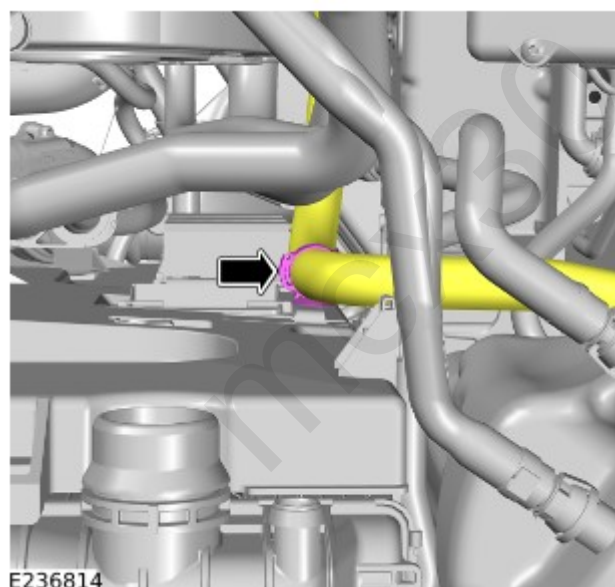
Remove the Air Conditioning (A/C) pipe bracket bolt.

9.

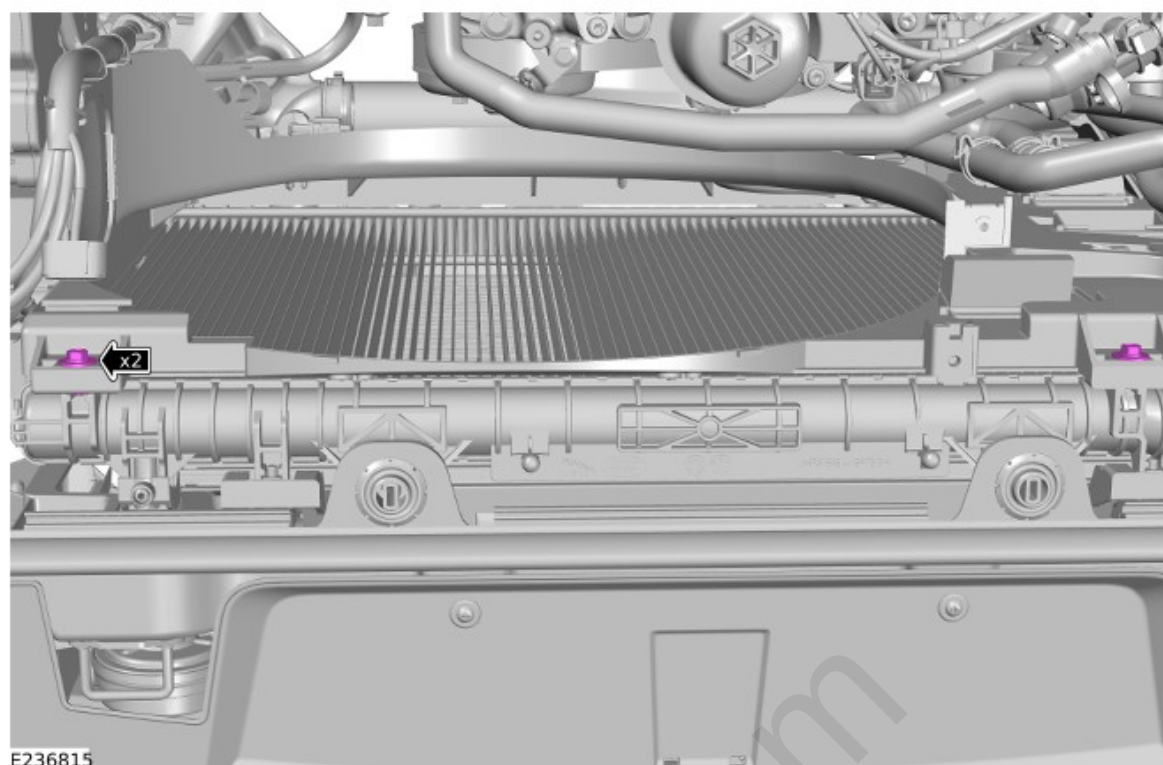


- Remove the bolt.
- Position the degas swirlpot to one side.

10.



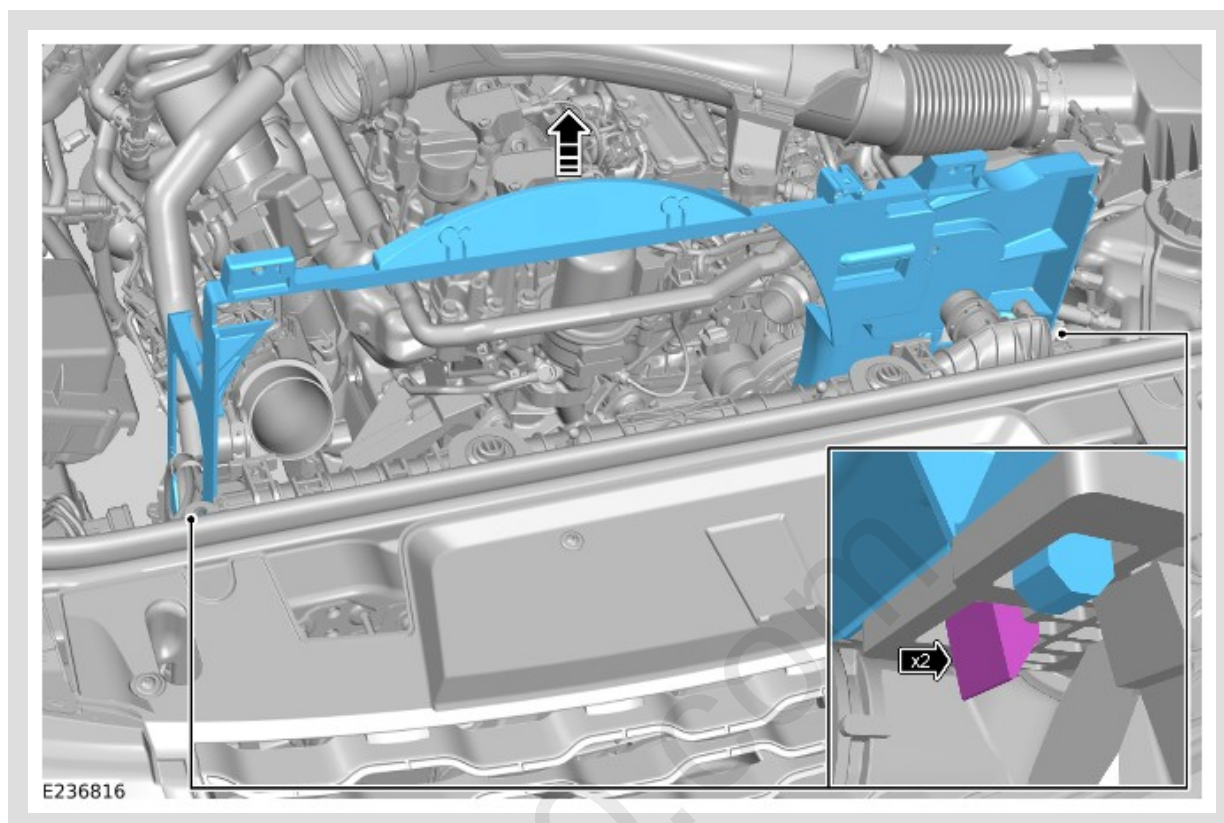
- Release the clip.
- Release the engine coolant hose.



Remove the 2 bolts.

ⓘ CAUTION:

Take care not to damage the surrounding components.



Remove the viscous cooling fan shroud.

INSTALLATION

1.

CAUTION:

Take care not to damage the surrounding components.

Install the viscous cooling fan shroud.

2.

Install and tighten the 2 bolts.

Torque: 7Nm

3.

Secure the coolant hose with the viscous cooling fan shroud clip.

4.

- Reposition the degas swirlpot to the correct location.
- Install and tighten the bolt.

Torque: 7Nm

5.

Install and tighten the A/C pipe bracket bolt.

Torque: 7Nm

6.

- Reposition the 2 coolant hoses to the correct location.
- Connect the 2 coolant hoses.

7.

Install the 2 wiring harness clips.

8.

- Reposition the wiring harness bracket to the correct location.
- Secure the 3 wiring harness clips.

9.

Install the charge air cooler coolant pump.

Refer to: [Charge Air Cooler Coolant Pump](#) (303-03C Engine Cooling - INGENIUM I6 3.0L Petrol, Removal and Installation).

10.

Install the viscous cooling fan.

Refer to: [Viscous Cooling Fan](#) (303-03C Engine Cooling - INGENIUM I6 3.0L Petrol, Removal and Installation).

11.

Connect the startup battery ground cable.

Refer to: [Specifications](#) (414-00 Battery and Charging System - General Information, Specifications).

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