

PUBLISHED: 07-AUG-2019
2020.0 DEFENDER (LE), 303-01C

ENGINE – INGENIUM I6 3.0L PETROL

OIL COOLER (G2344506)

REMOVAL AND INSTALLATION

12.60.68

OIL COOLER –
RENEW

2000 CC,
INGENIUM
DIESEL

4.10

USED WITHINS

PART(S)

STEP	PART NAME	QUANTITY
Installation Step 1	Oil cooler gasket	1

REMOVAL



WARNINGS:

- Be prepared to collect escaping oil.
- Be prepared to collect escaping coolant.



CAUTION:

Before disconnecting any components, make sure the area is clean and free from foreign material. When disconnected all openings must be sealed.



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).

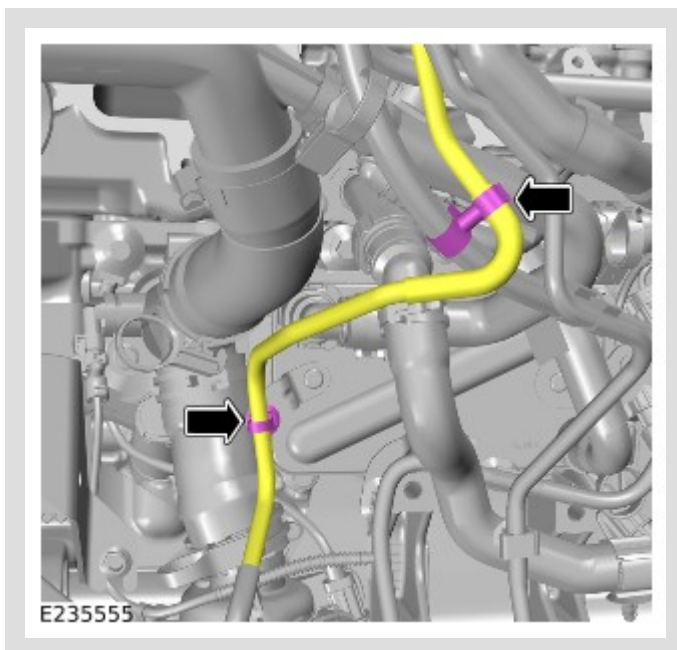
2.

Disconnect the startup battery ground cable.

Refer to: [Startup Battery Disconnect and Connect](#) (414-00 Battery and Charging System - General Information, General Procedures).

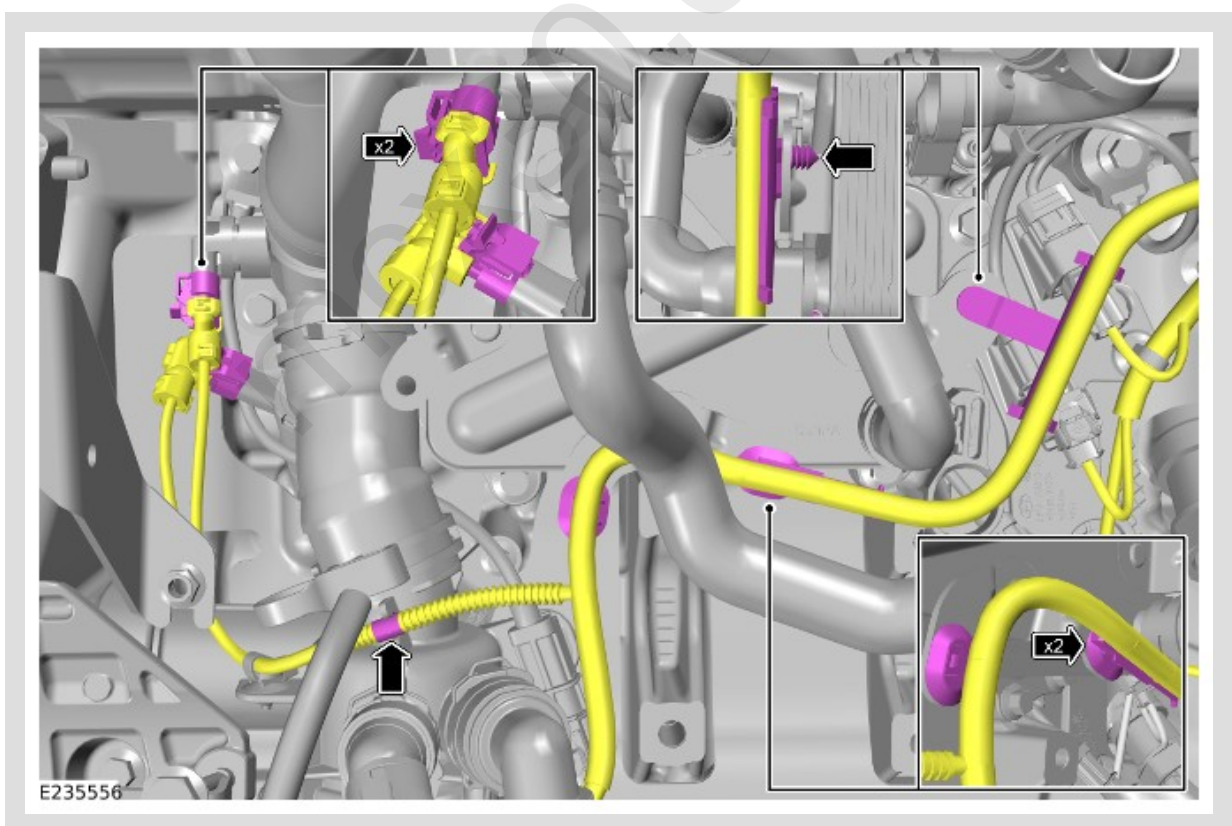
3. Remove the intake manifold.
Refer to: Intake Manifold (303-01C, Removal and Installation).

4.



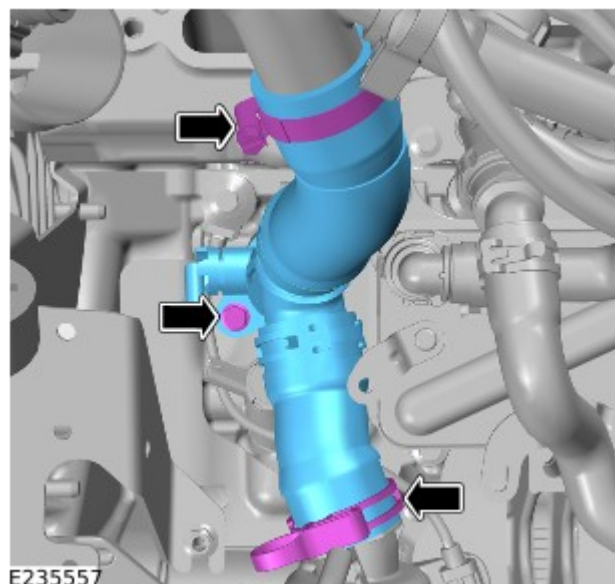
Release the 2 clips.

5.



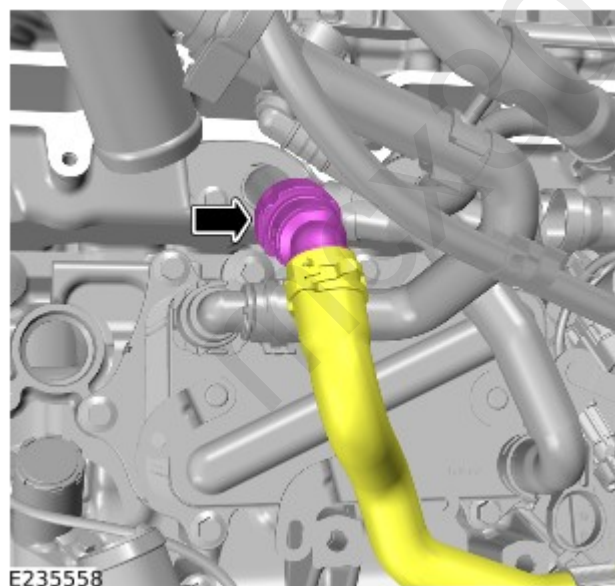
- Disconnect the 2 electrical connectors.
- Release the 4 wiring harness clips.
- Release the wiring harness.

6.



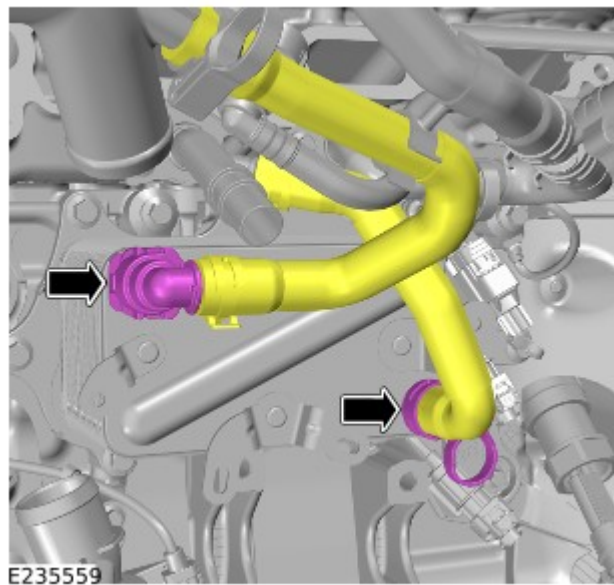
- Remove the bolt.
- Release the 2 hose clamps.
- Remove the hose assembly.

7.



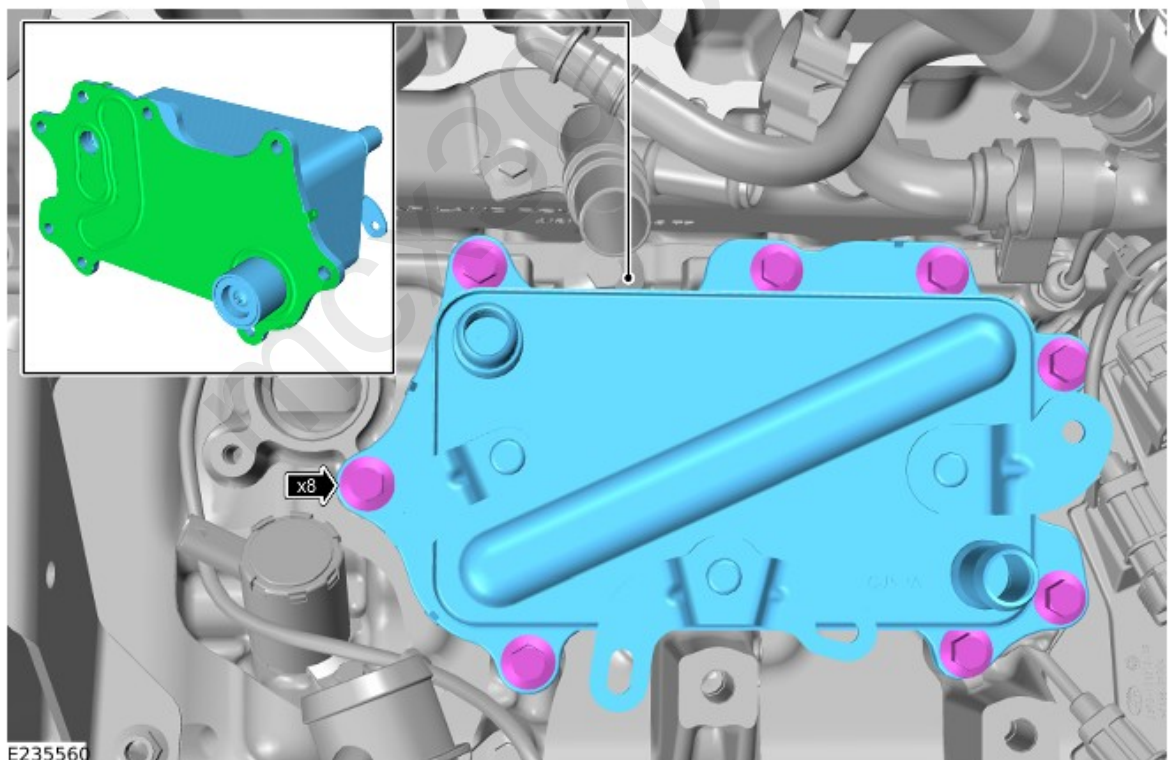
Disconnect the coolant hose.

8.



- Release the clamp.
- Disconnect the 2 oil cooler hoses.

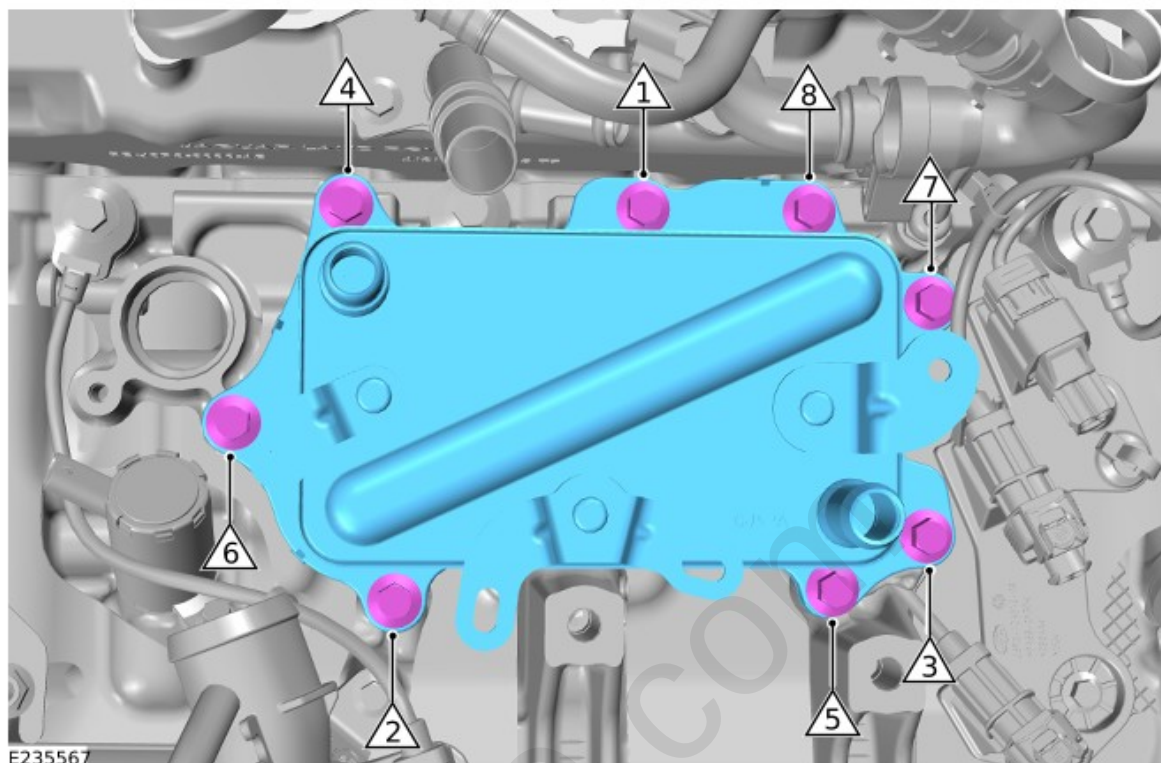
9.



- Remove the 8 bolts.
- Remove the oil cooler.
- Remove and discard the gasket.

INSTALLATION

1.



- Install a new gasket.
Renew Part: [Oil cooler gasket](#) Quantity: 1.
- Install the oil cooler.
- Install and tighten the 8 bolts in the sequence illustrated.
Torque
Stage1: **10Nm**
Stage2: **25Nm**

2.

- Connect the 2 oil cooler hoses.
- Install the clamp.

3.

Connect the coolant hose.

4.

- Install the hose assembly.
- Install and tighten the bolt.
Torque: 10Nm
- Install and tighten the clamp.
Torque: 3.5Nm
- Install the clamp.

5.

- Install the wiring harness.
- Install the 4 wiring harness clips.
- Connect the 2 electrical connectors.

6.

Install the 2 clips.

7.

Install the intake manifold.

Refer to: Intake Manifold (303-01C, Removal and Installation).

8.

Connect the startup battery ground cable.

Refer to: [Startup Battery Disconnect and Connect](#) (414-00 Battery and Charging System - General Information, General Procedures).