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2020.0 DEFENDER (LE), 303-01C

ENGINE – INGENIUM I6 3.0L PETROL

LEFT ENGINE MOUNT (G2344509)

REMOVAL AND INSTALLATION

12.45.11

MOUNTING –
LH – RENEW

2000 CC,
INGENIUM
DIESEL

1.70

USED WITHINS

GENERAL EQUIPMENT

EQUIPMENT NAME
Hydraulic floor jacks (2 tonnes minimum capacity)
Wooden Block

PART(S)

STEP	PART NAME	QUALIFICATION	QUANTITY
Step 10	Lower steering column to steering gear bolts	Left-hand drive vehicles	1

REMOVAL



NOTE:

- 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.

The following step(s) applies to:

All vehicles

1.

Disconnect the startup battery ground cable.

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

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

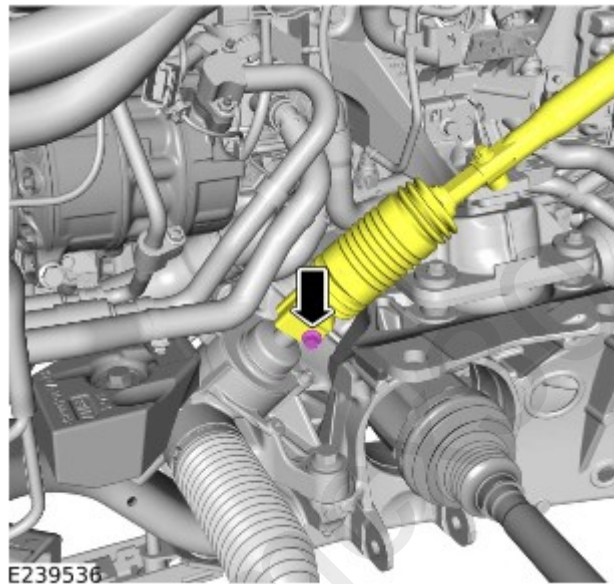
3. Remove the engine undershield.
Refer to: [Engine Undershield](#) (501-02 Front End Body Panels, Removal and Installation).

4. Remove the front wheel arch liner.
Refer to: [Front Wheel Arch Liner](#) (501-02 Front End Body Panels, Removal and Installation).

The following step(s) applies to:

Left-hand drive vehicles

5.

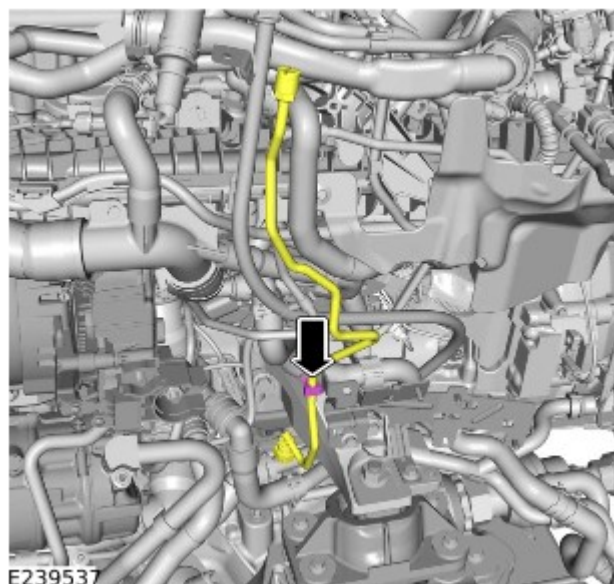


- Remove and discard the bolt.
- Reposition the steering column shaft from the steering gear.

The following step(s) applies to:

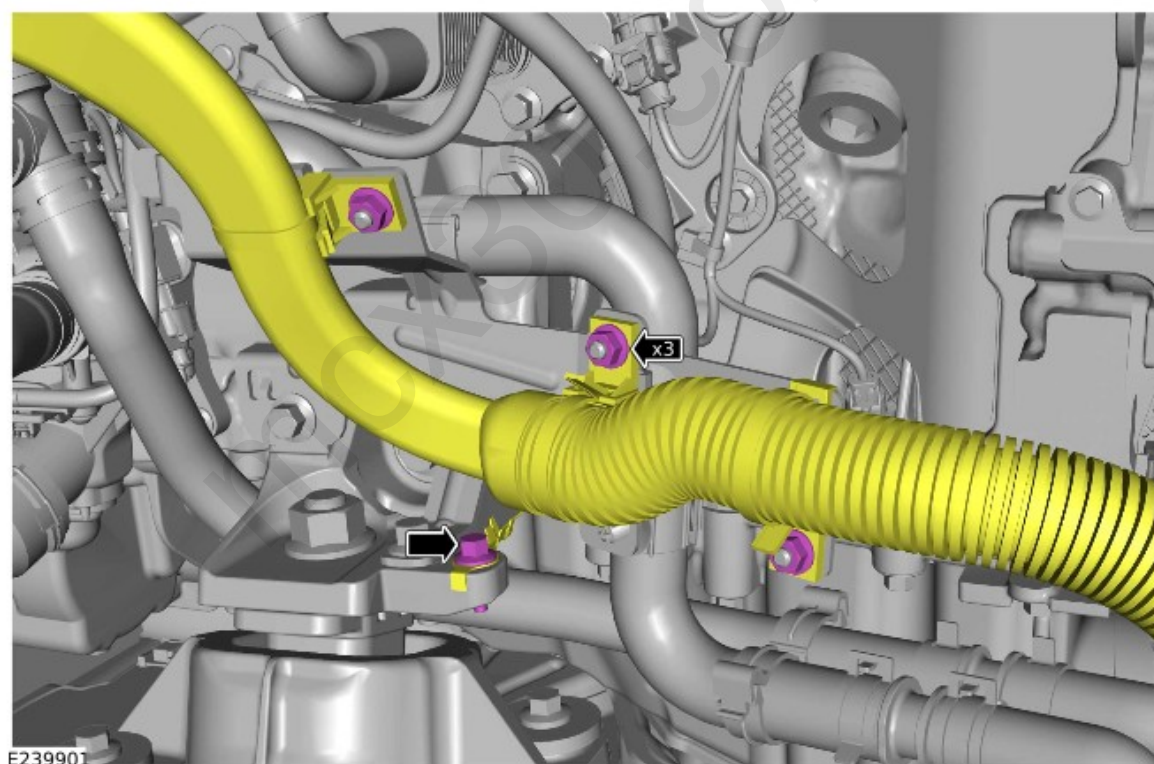
All vehicles

6.



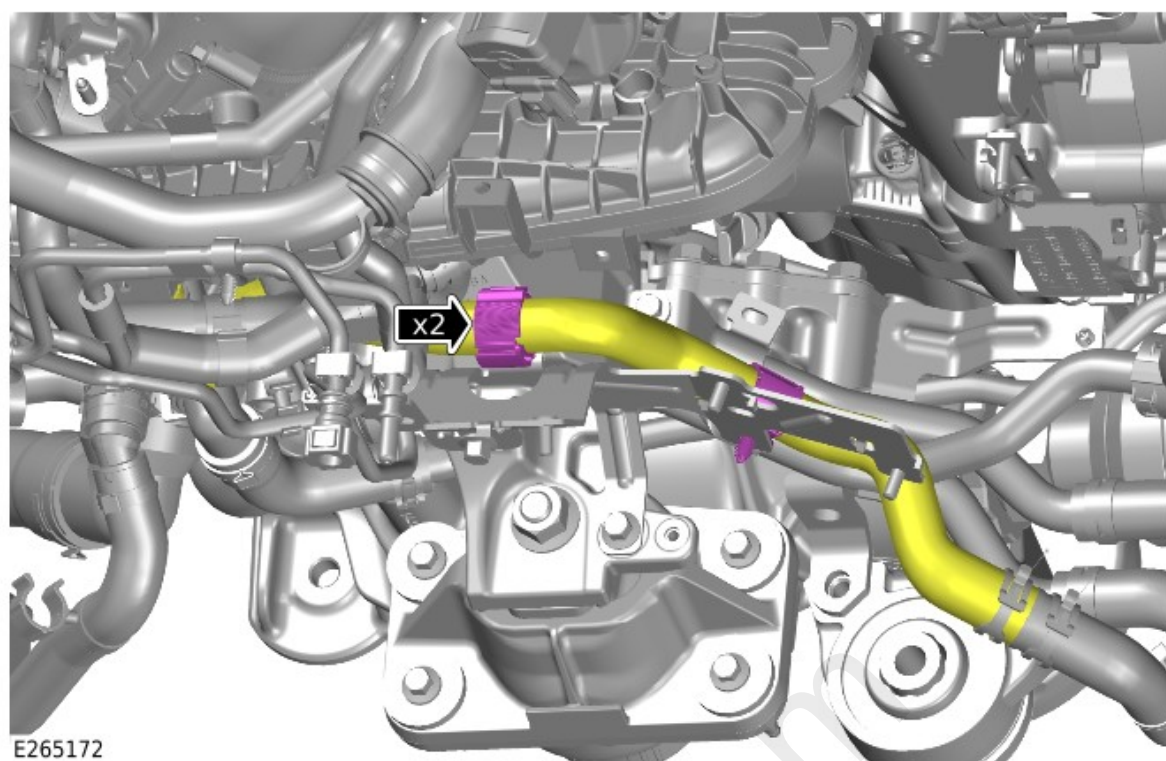
Release the bleed pipe clip.

7.



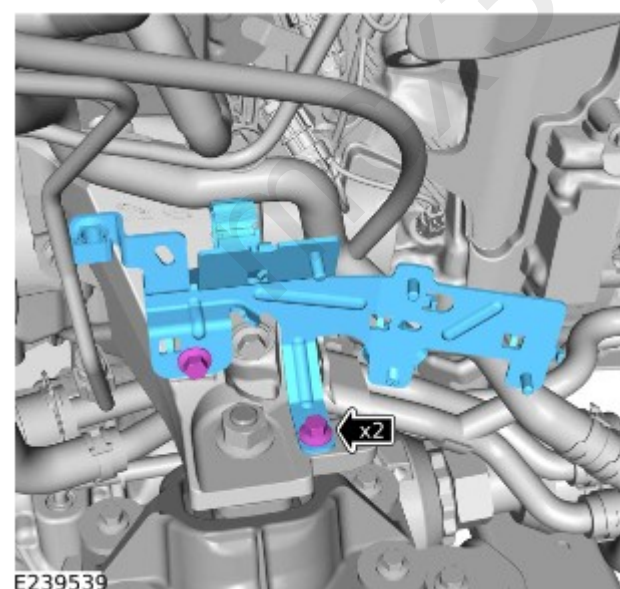
- Remove the ground bolt.
- Remove the 3 nuts.
- Reposition the Mild Hybrid Electric Vehicle (MHEV) cables away from the bracket.

8.



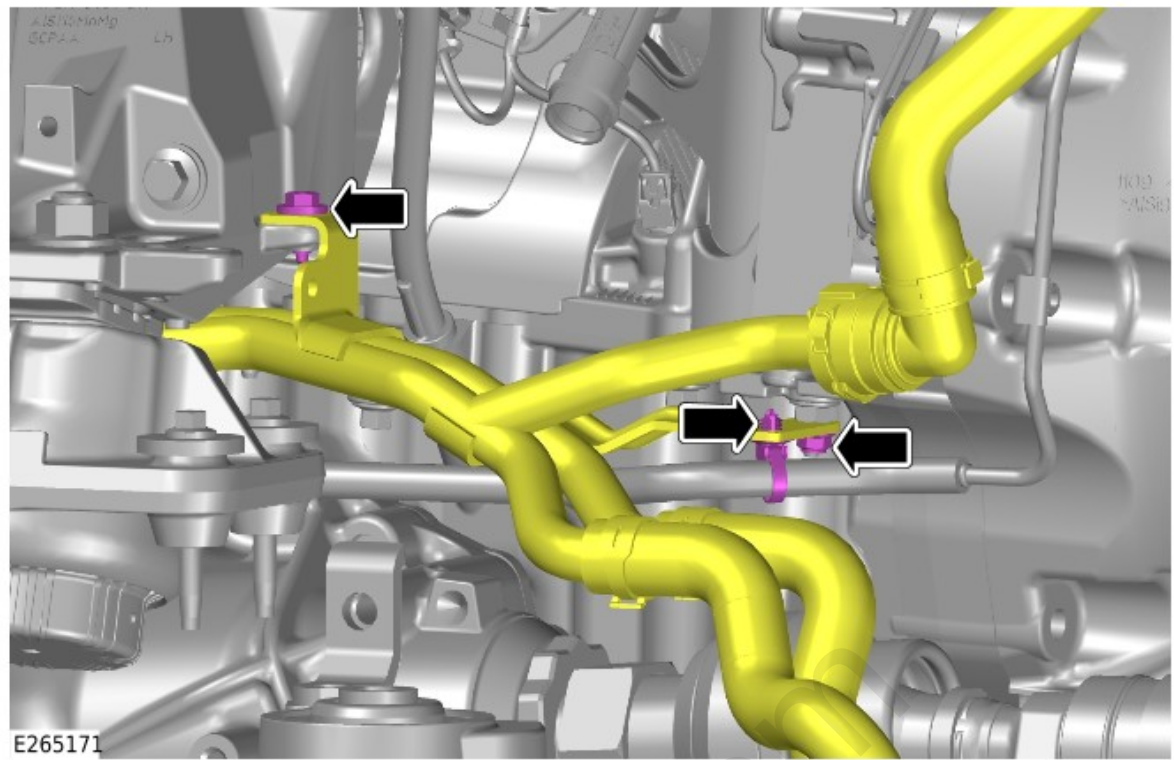
- Release the 2 coolant hose clips.
- Reposition the coolant hose away from the bracket.

9.



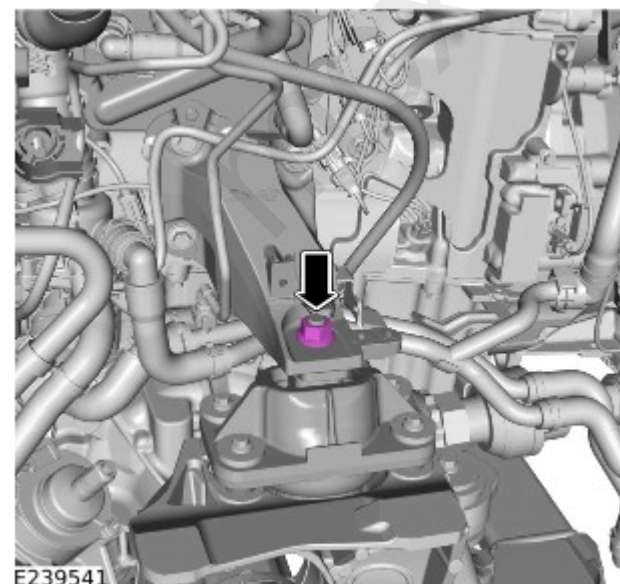
- Remove the 2 bolts.
- Remove the MHEV cable bracket.

10.



- Remove the nut and bolt.
- Release the clip.
- Reposition the coolant pipe and bracket assembly away from the engine mount.

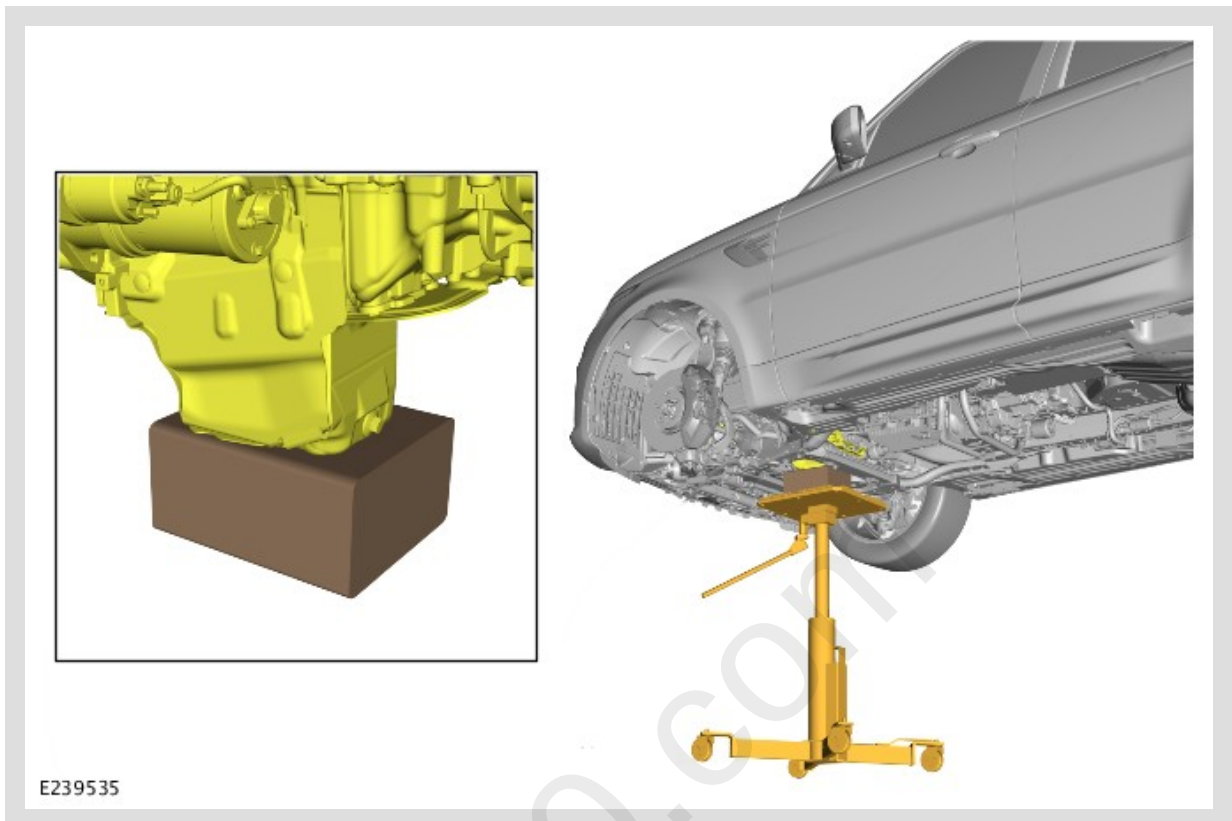
11.



Remove the engine mount nut.

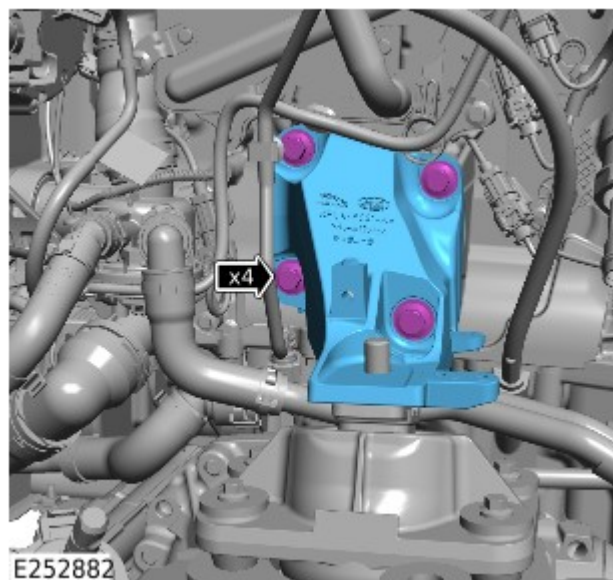
⚠ CAUTION:

Care must be taken to avoid damaging the surrounding components.



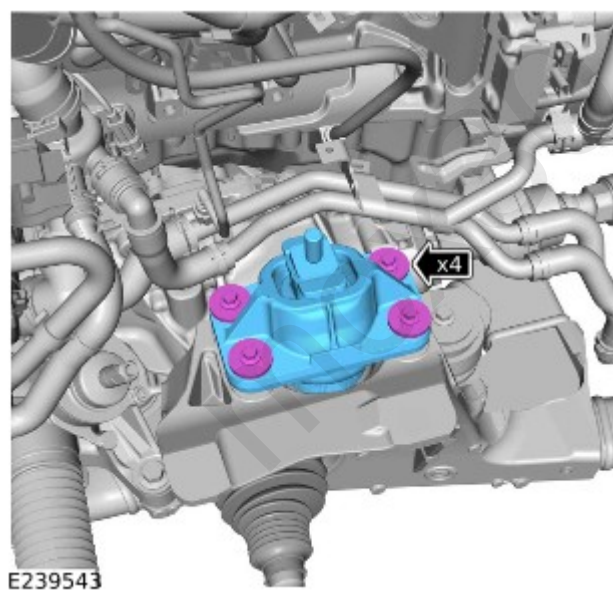
- Position the hydraulic floor jack and wooden block below the engine.
 - Adjust the hydraulic floor jack to support the weight of the engine.
- General Equipment:* [Hydraulic floor jacks \(2 tonnes minimum capacity\)](#)
General Equipment: [Wooden Block](#)

13.



- Remove the 4 engine mount bracket bolts.
- Remove the engine mount bracket.

14.



- Remove the 4 engine mount bolts.
- Remove the engine mount.

INSTALLATION

The following step(s) applies to:
All vehicles

1.

- Install the engine mount.
- Install and tighten the 4 engine mount bolts.

Torque: 32Nm

2.

- Install the engine mount bracket.
- Install and tighten the 4 engine mount bracket bolts.

Torque: 60Nm

3.



NOTE:

Make sure that the components are correctly aligned.

Lower the engine, remove the hydraulic floor jack and wooden block.

General Equipment: [Hydraulic floor jacks \(2 tonnes minimum capacity\)](#)

General Equipment: [Wooden Block](#)

4.

- Install and tighten the engine mount to engine mount bracket nut.

Torque: 124Nm

5.

- Reposition the coolant pipe and bracket assembly into the correct location.
- Install and tighten the bolt and nut.

Torque: 12Nm

- Install the clip.

6.

- Install the MHEV cable bracket.
- Install and tighten the 2 bolts.

Torque: 9Nm

7.

- Reposition the coolant hose into the correct location.
- Install the 2 coolant hose clips.

8.

- Reposition the MHEV cables into the correct location.
- Install and tighten the 3 nuts.

Torque: 9Nm

- Install and tighten the ground bolt.

Torque: 9Nm

-
9. Install the bleed pipe clip.

The following step(s) applies to:

Left-hand drive vehicles

10.

- Reposition the steering column shaft into the correct location.
- Install and tighten the new bolt.

Renew Part: [Lower steering column to steering gear bolts](#) Quantity: 1.

Torque: 30Nm

The following step(s) applies to:

All vehicles

11.

Install the front wheel arch liner.

Refer to: [Front Wheel Arch Liner](#) (501-02 Front End Body Panels, Removal and Installation).

12.

Install the engine undershield.

Refer to: [Engine Undershield](#) (501-02 Front End Body Panels, Removal and Installation).

13.

Connect the startup battery ground cable.

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