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2020.0 DEFENDER (LE), 303-01C

ENGINE – INGENIUM I6 3.0L PETROL

OIL PAN (G2344502)

REMOVAL AND INSTALLATION

12.60.44	OIL PAN – RENEW	2000 CC, INGENIUM DIESEL	10.00	USED WITHINS	
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GENERAL EQUIPMENT

EQUIPMENT NAME
Powertrain Jack

PART(S)

STEP	PART NAME	QUANTITY
Installation Step 1	Engine oil pan	1

REMOVAL

WARNING:

Be prepared to collect escaping oil.

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).

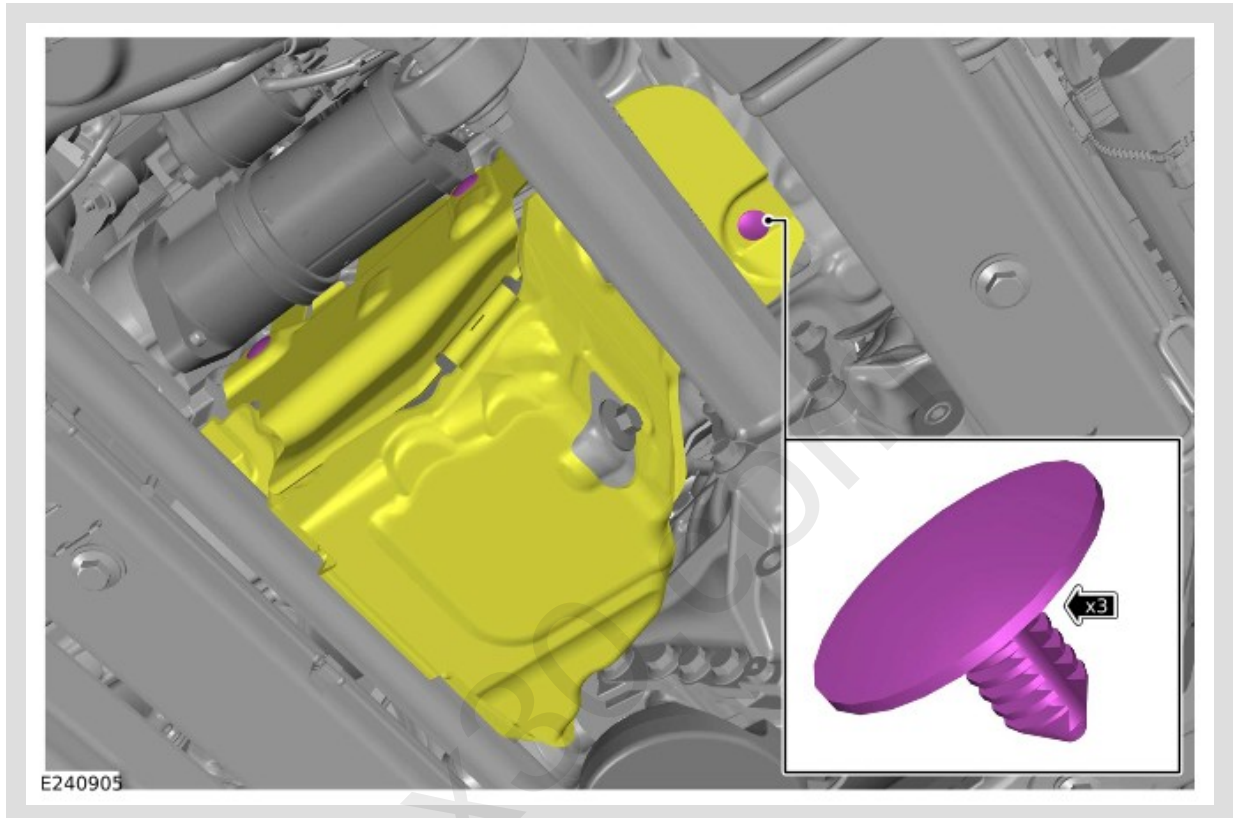
3. Drain the engine oil.

Refer to: [Engine Oil Vacuum Draining and Filling](#) (303-01C Engine - INGENIUM I6 3.0L Petrol, General Procedures).

4. Remove the front right halfshaft.

Refer to: [Front Right Halfshaft](#) (205-04 Front Drive Halfshafts, Removal and Installation).

- 5.

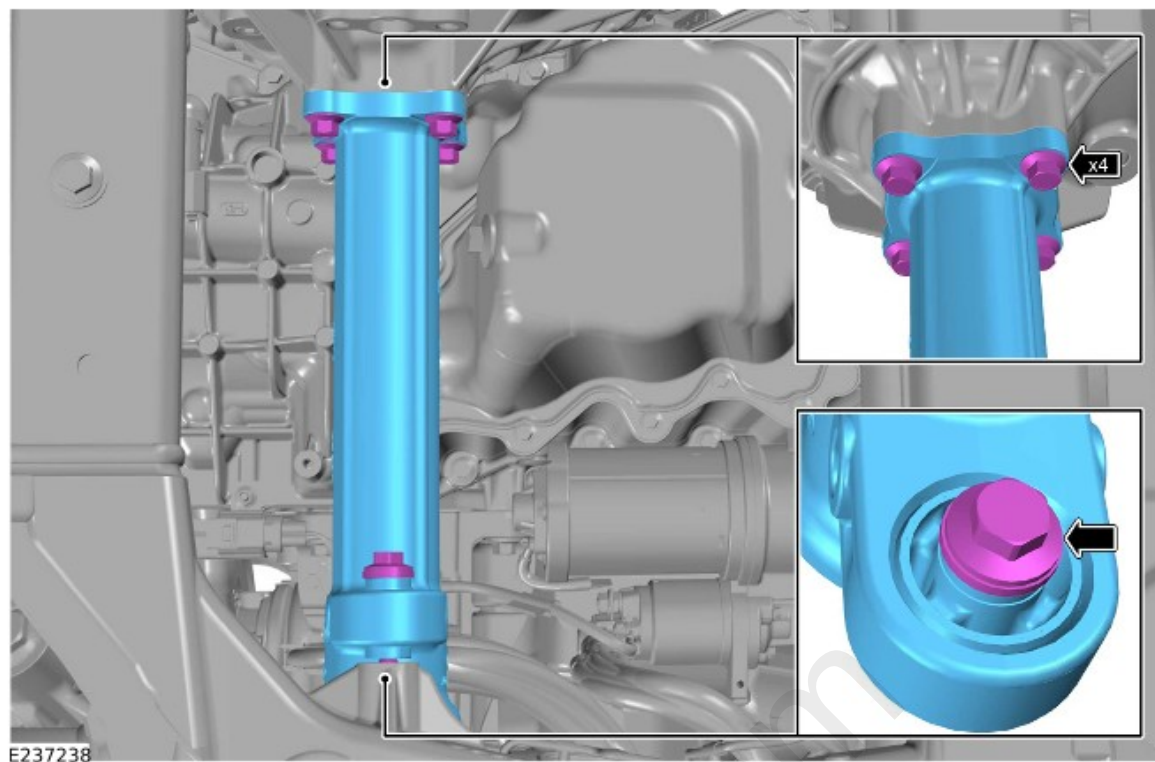


- Remove the 3 clips.
- Remove the Noise, Vibration and Harshness (NVH) material.

6. Use a powertrain jack to support the differential.

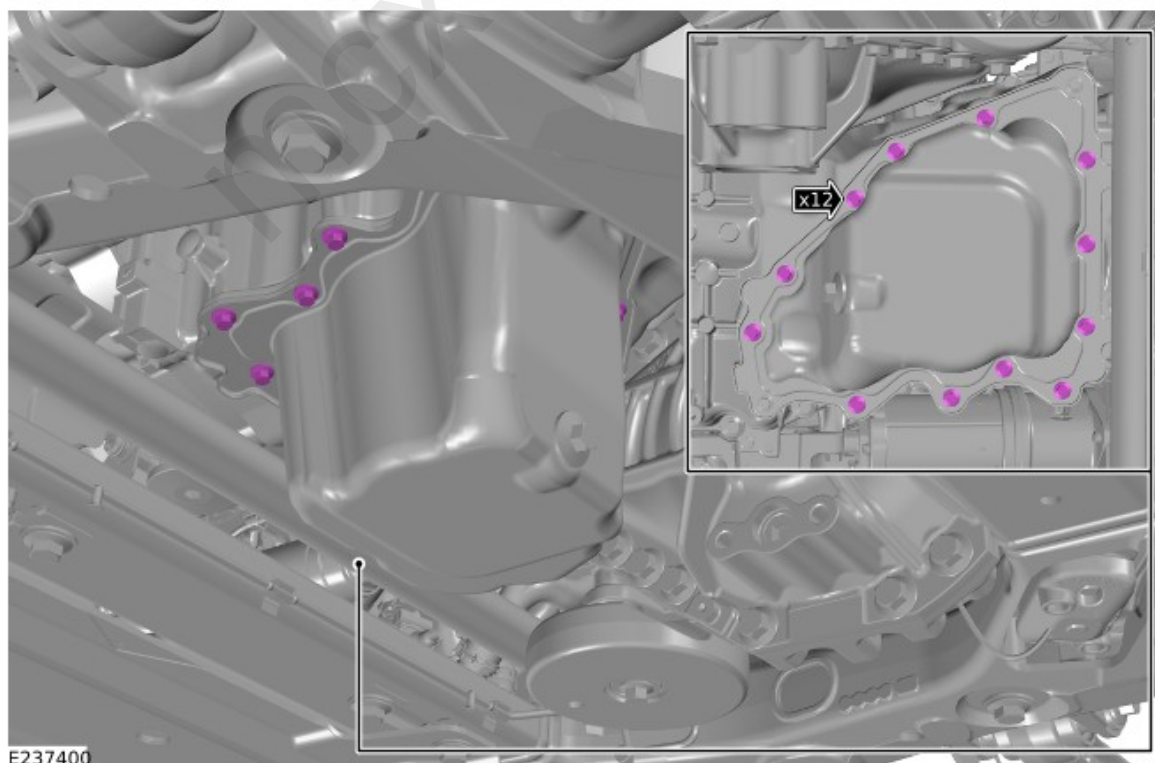
General Equipment: [Powertrain Jack](#)

7.



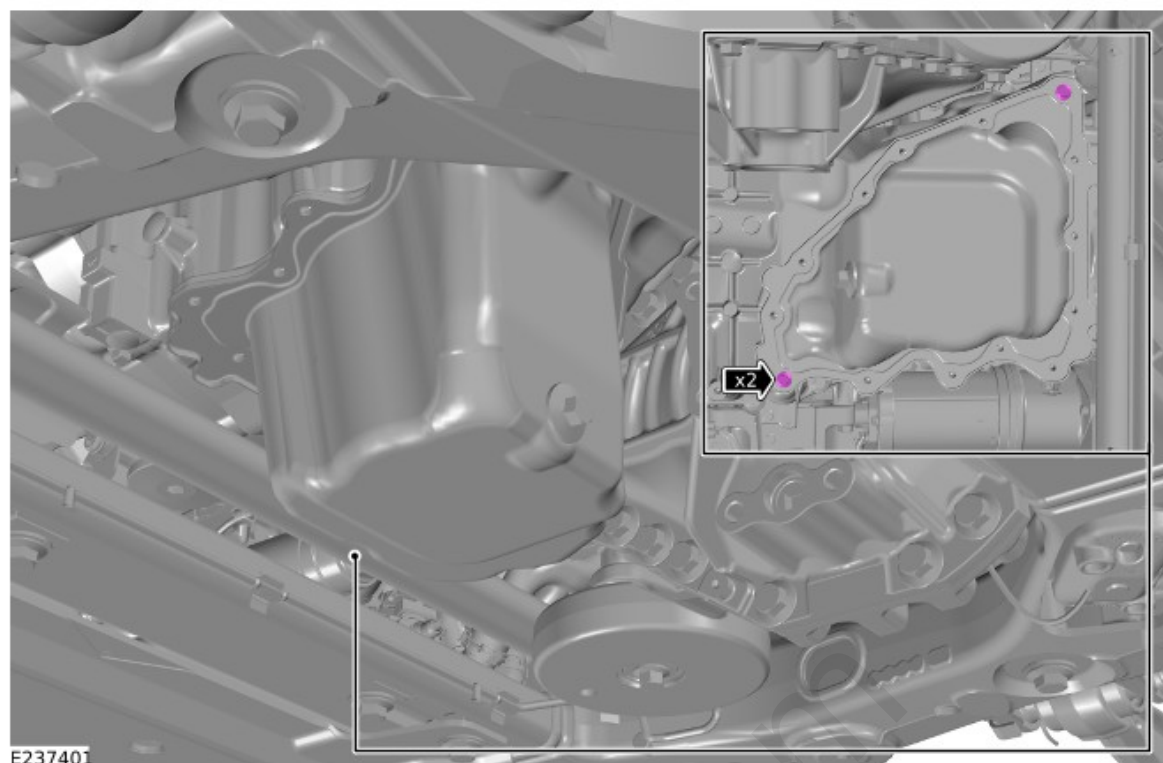
- Remove the differential lower bolt.
- Remove the 4 bolts.
- Remove the differential sleeve.

8.



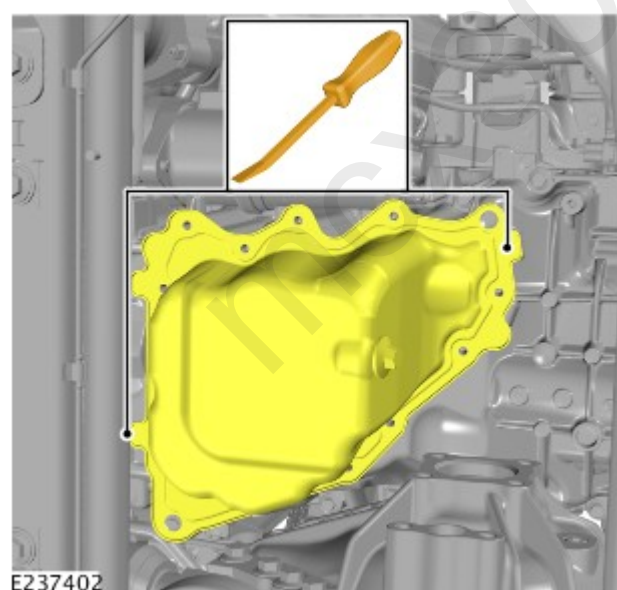
Remove the 12 bolts.

9.

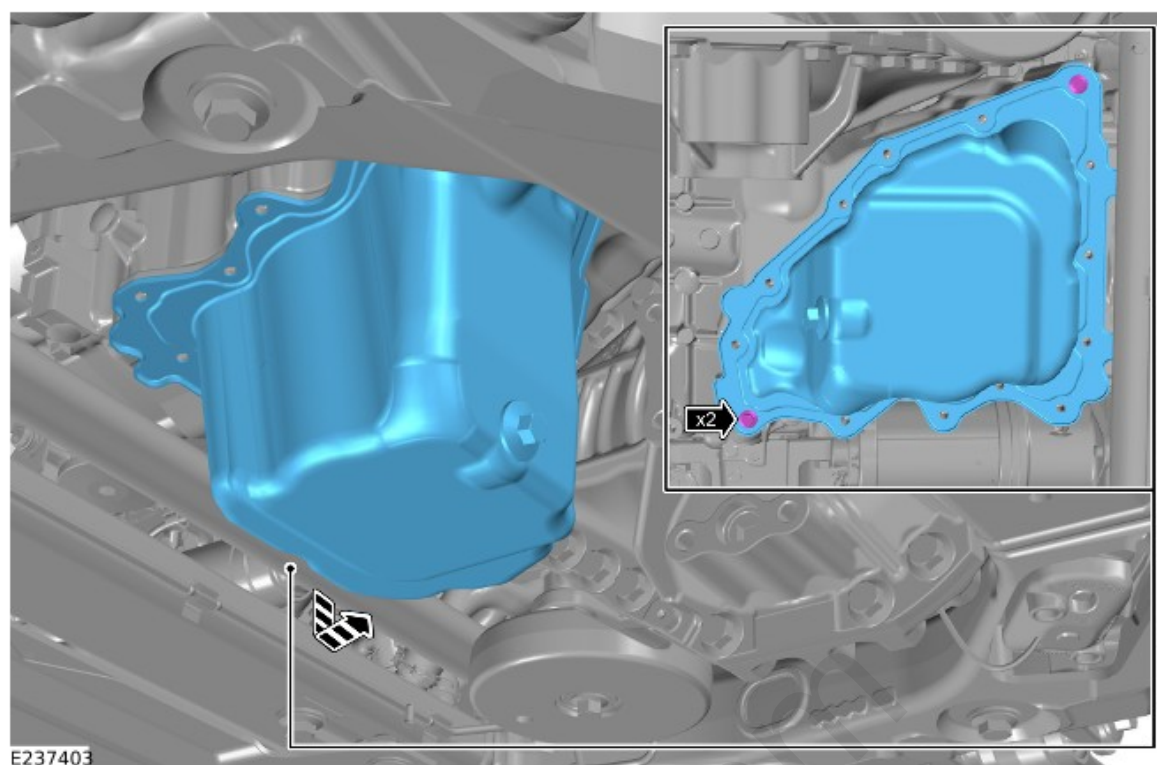


Loosen, but do not fully remove the 2 bolts.

10.



Use a suitable tool to lever the oil pan away from the engine at the points illustrated.



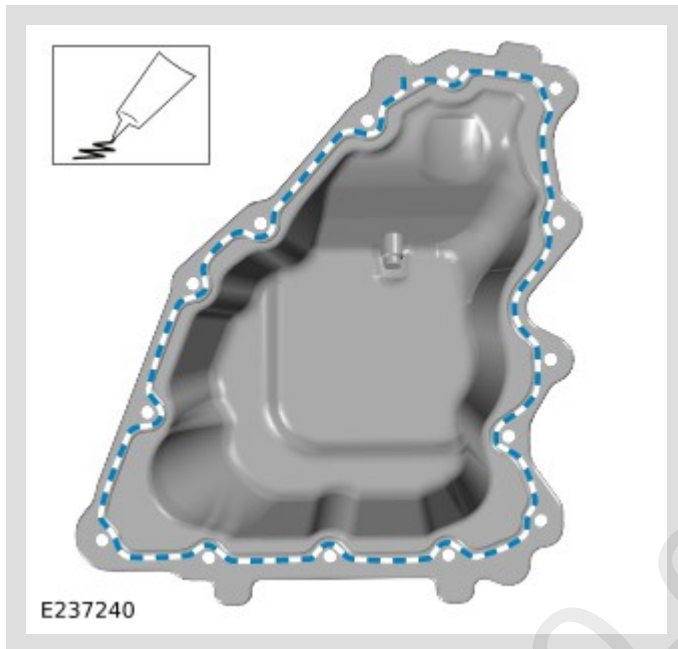
- Remove the 2 bolts.
- Remove and discard the oil pan.

INSTALLATION

1.

⚠ CAUTION:

Make sure that all traces of the old sealant are removed from the mating surfaces.

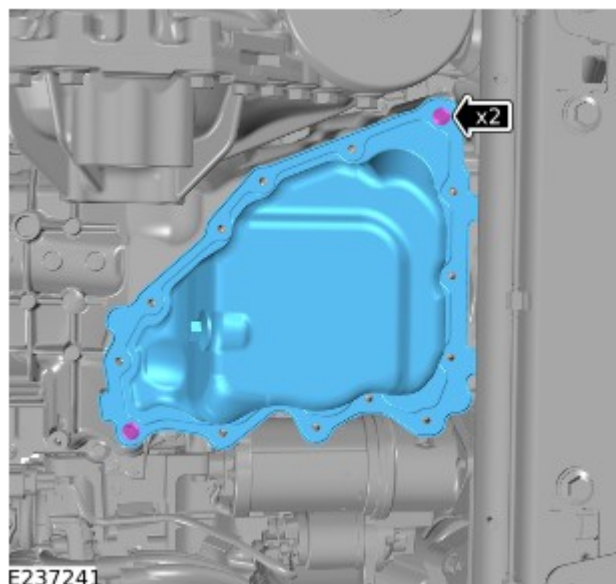


Apply a 3 mm diameter bead of sealant to the area illustrated.

Refer to: [Specifications](#) (303-01C Engine - INGENIUM I6 3.0L Petrol, Specifications).

Renew Part: [Engine oil pan](#) Quantity: [1](#).

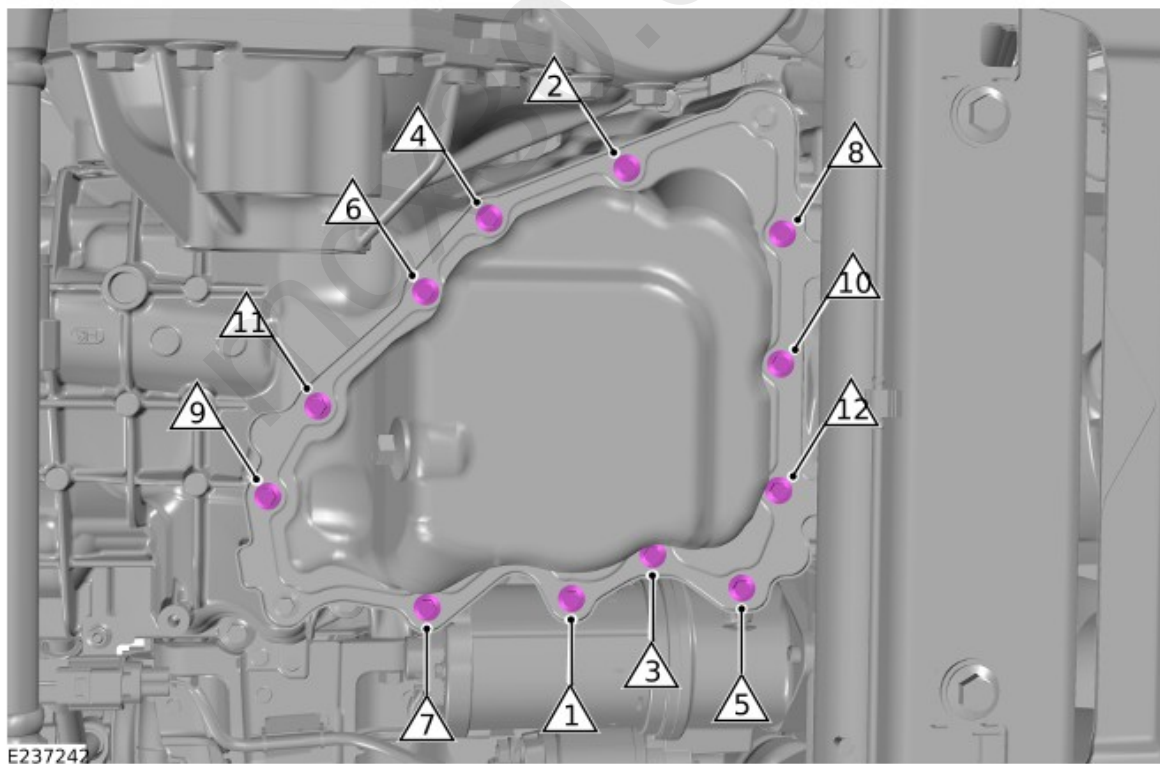
2.



- Install the oil pan.
- Install and tighten the 2 bolts.

Torque: 25Nm

3.



Install and tighten the 12 bolts in the illustrated sequence.

Torque: 25Nm

- Install the differential sleeve.
- Install and tighten the 4 bolts.
Torque: 45Nm
- Install and tighten the differential lower bolt.
Torque: 60Nm

Remove the powertrain jack.

General Equipment: [Powertrain Jack](#)

- Install the Noise, Vibration and Harshness (NVH) material.
- Install the 3 clips.

Refer to: [Front Right Halfshaft](#) (205-04 Front Drive Halfshafts, Removal and Installation).

Fill the engine with oil.

Refer to: [Engine Oil Vacuum Draining and Filling](#) (303-01C Engine - INGENIUM I6 3.0L Petrol, General Procedures).

Connect the startup battery ground cable.

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