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2020.0 DEFENDER (LE), 303-01C

ENGINE – INGENIUM I6 3.0L PETROL

OIL PAN EXTENSION (G2417609)

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REMOVAL AND INSTALLATION

PART(S)

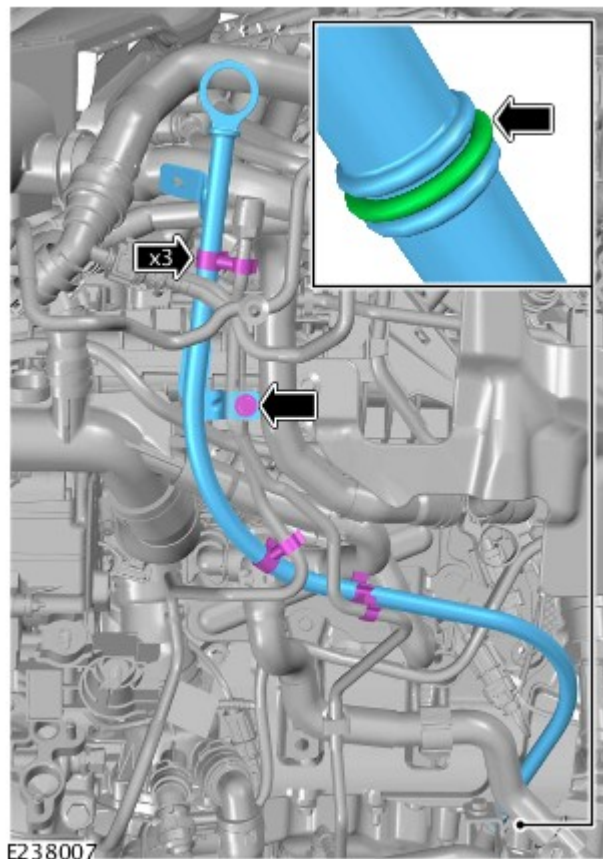
STEP	PART NAME	QUANTITY
Installation Step 1	Engine oil pan	1
Installation Step 8	Oil level gauge O-ring seal	1

REMOVAL

 NOTES:

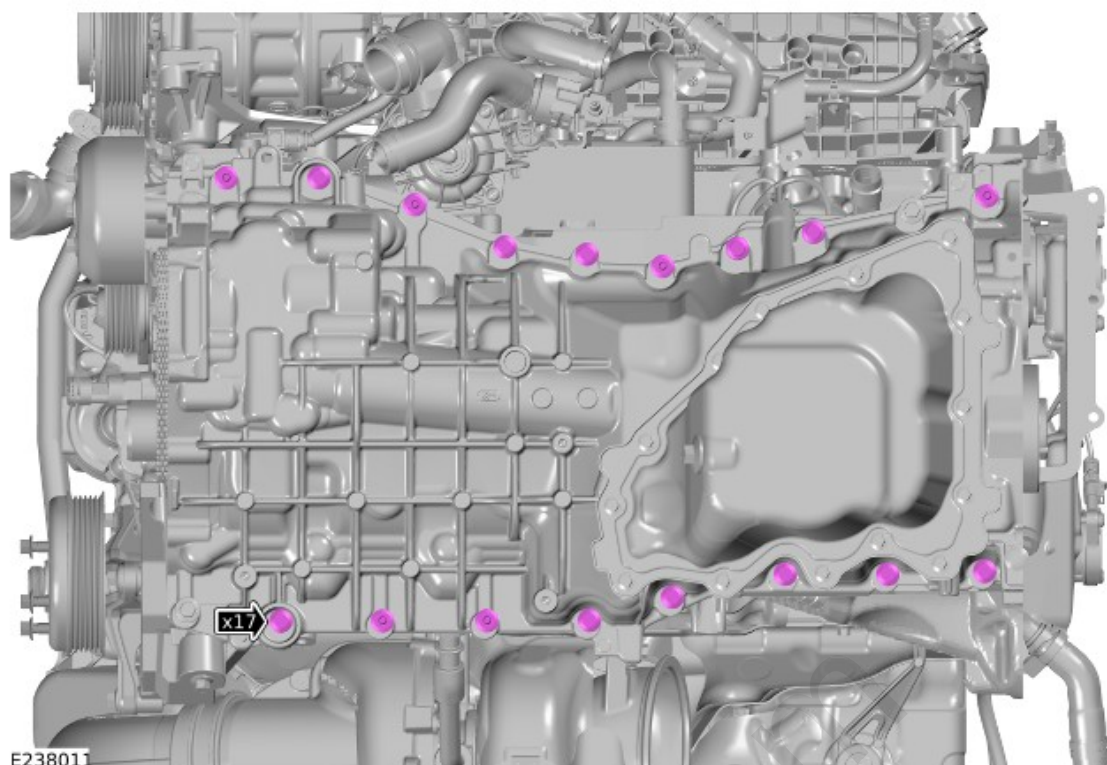
- This procedure contains some variation in the illustrations depending on the vehicle specification, but the essential information is always correct.
- This procedure contains illustrations showing certain components removed to provide extra clarity.

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 and discard the engine front cover.
Refer to: [Engine Front Cover](#) (303-01C Engine - INGENIUM I6 3.0L Petrol, Removal and Installation).
5. Remove the lower timing cover.
Refer to: [Lower Timing Cover](#) (303-01C Engine - INGENIUM I6 3.0L Petrol, Removal and Installation).
6. Remove the front subframe.
Refer to: [Front Subframe](#) (502-00 Uni-Body, Subframe and Mounting System, Removal and Installation).



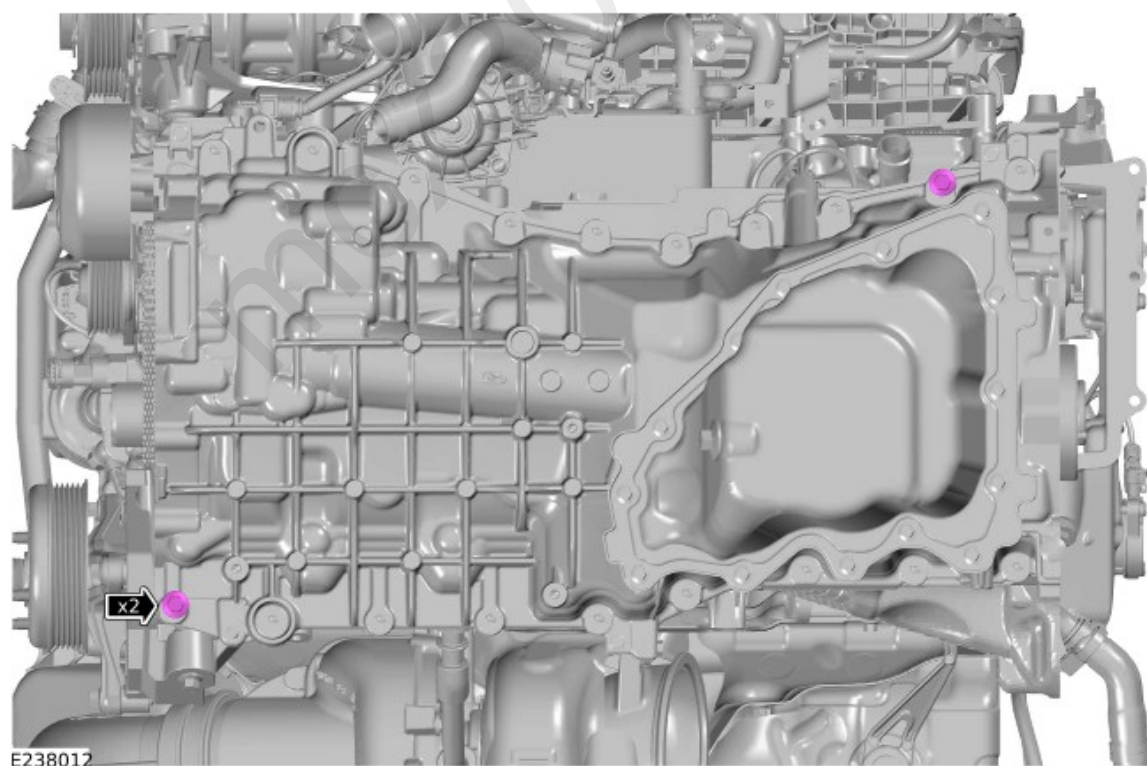
- Remove the bolt.
- Release the 3 clips.
- Remove the oil level gauge pipe.
- Remove and discard the O-ring seal.

8.



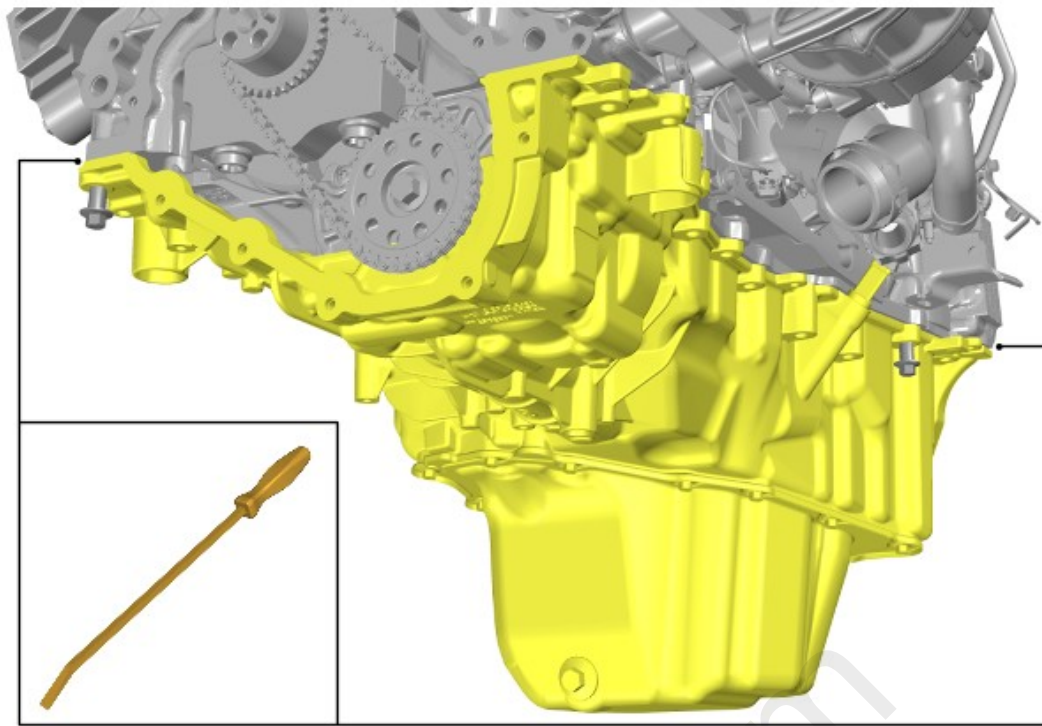
Remove the 17 bolts.

9.



Loosen, but do not fully remove the 2 bolts.

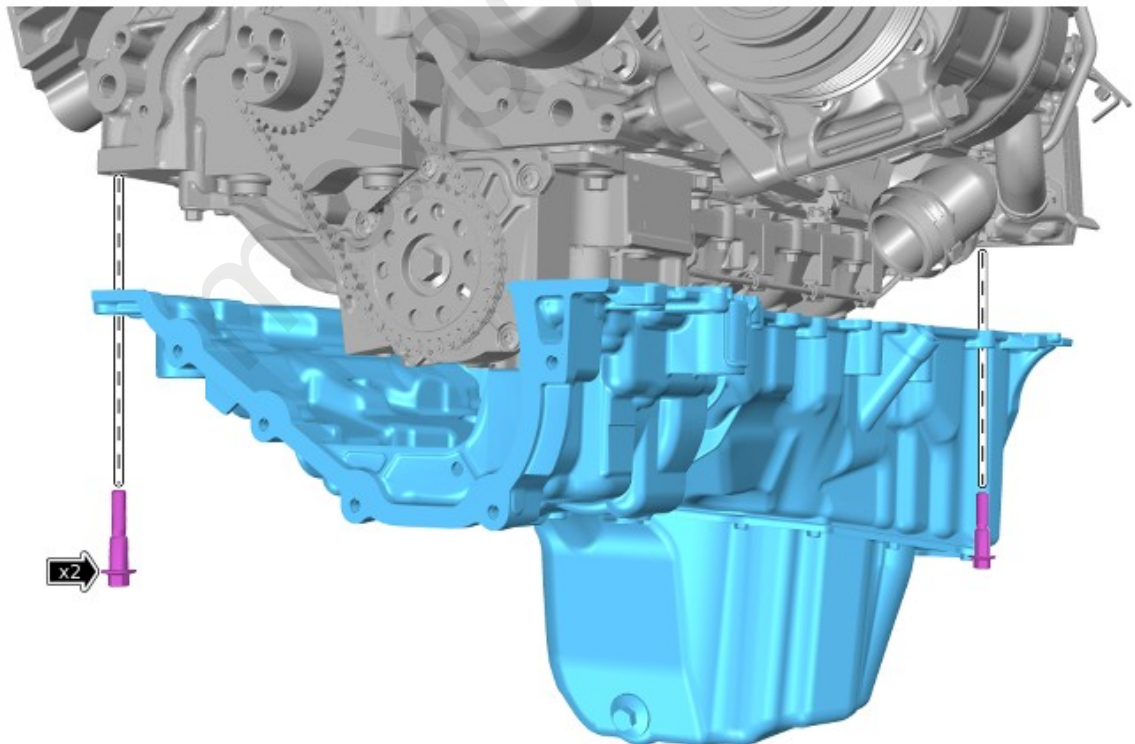
10.



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Using a suitable tool, pry the oil pan away from the engine at the indicated points.

11.

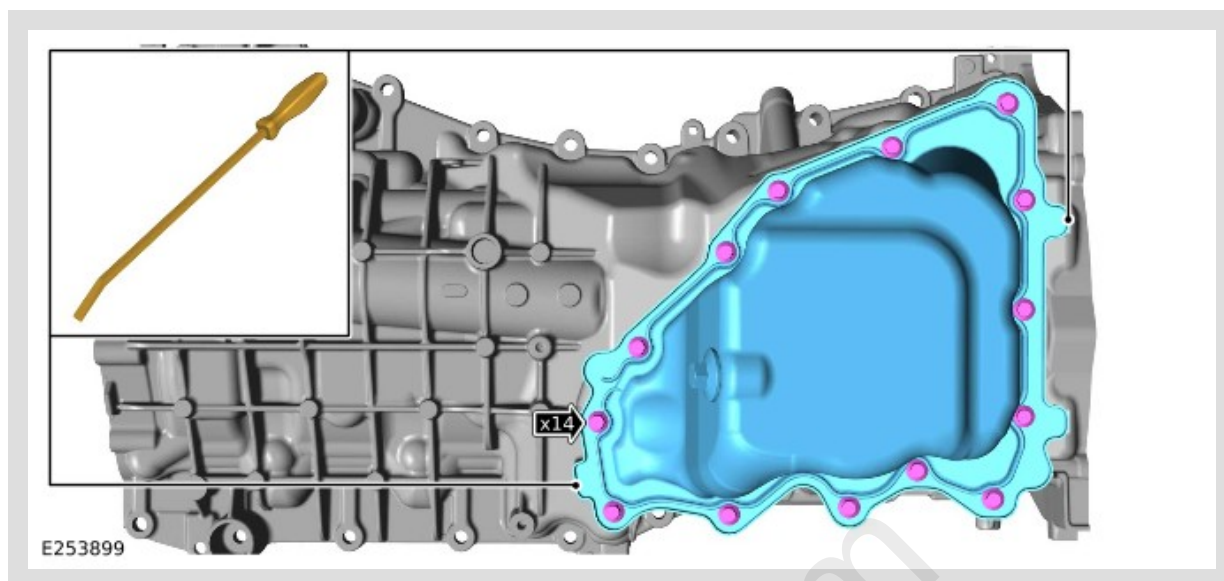


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- Remove the 2 bolts.
- Remove the oil pan extension.

 NOTE:

Do not disassemble further if the component is removed for access only.



- Remove the 14 bolts.
- Use a suitable tool to release the oil pan.
- Remove and discard the oil pan.

INSTALLATION

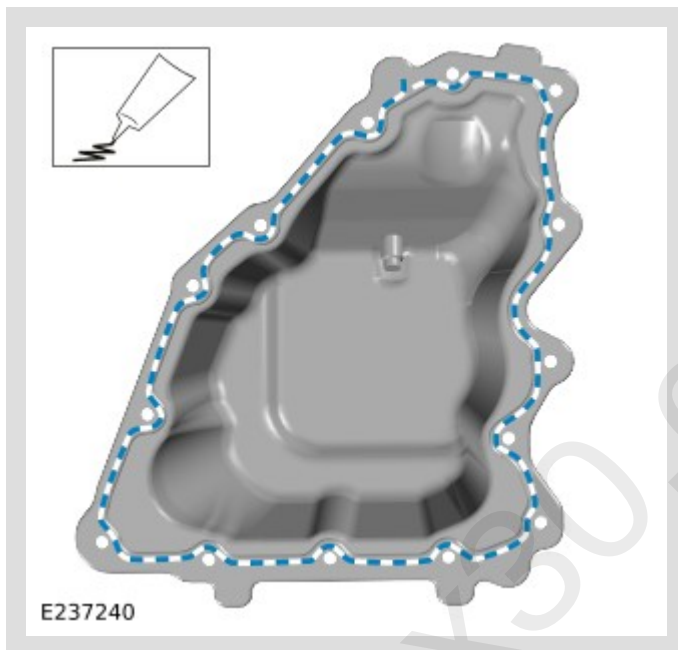
1.

⚠ CAUTION:

Make sure that the mating faces are clean and free of foreign material.

△ NOTE:

Steps 1-3 are only required if previously removed.

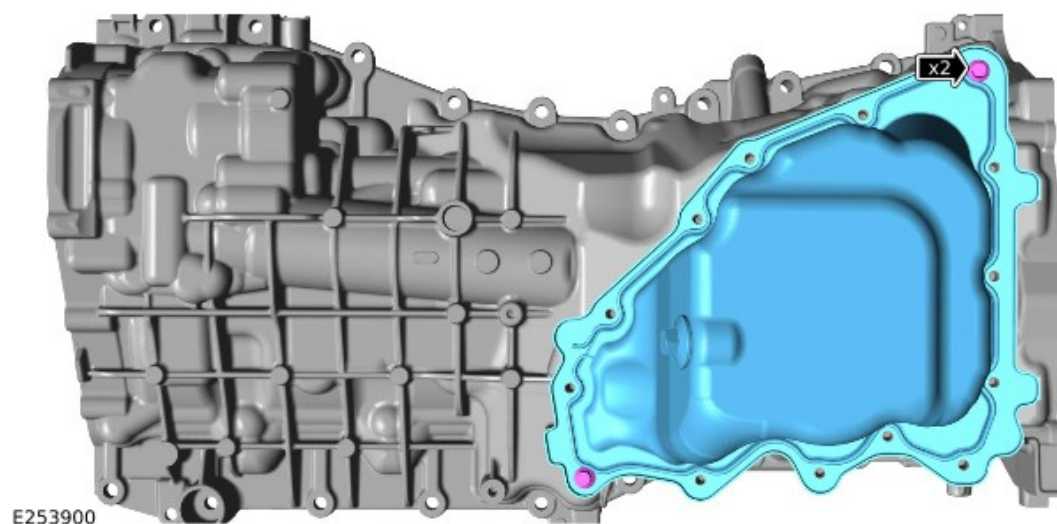


Apply a 3 mm diameter bead of sealant to the areas shown in the illustration. Use silicone gasket sealant or equivalent meeting Jaguar Land Rover specifications.

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

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

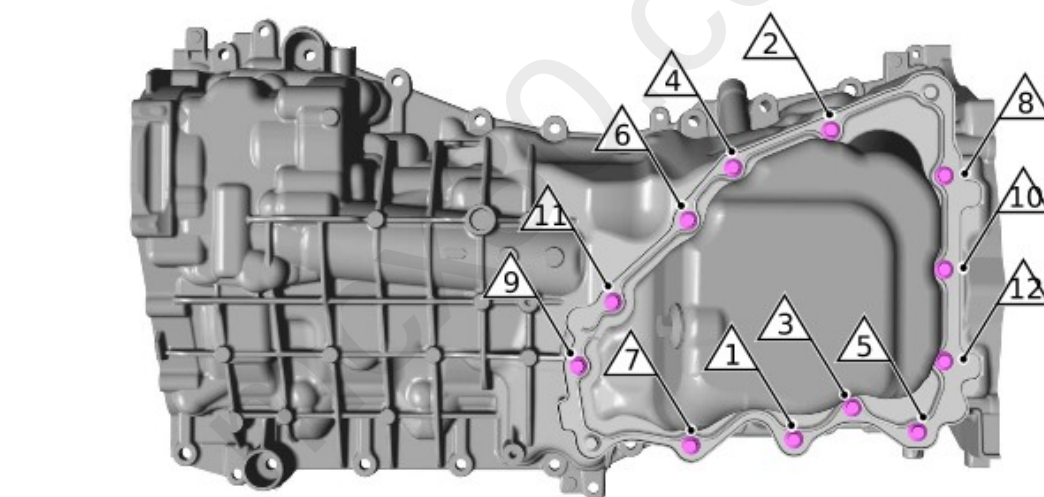
2.



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

Torque: 25Nm

3.

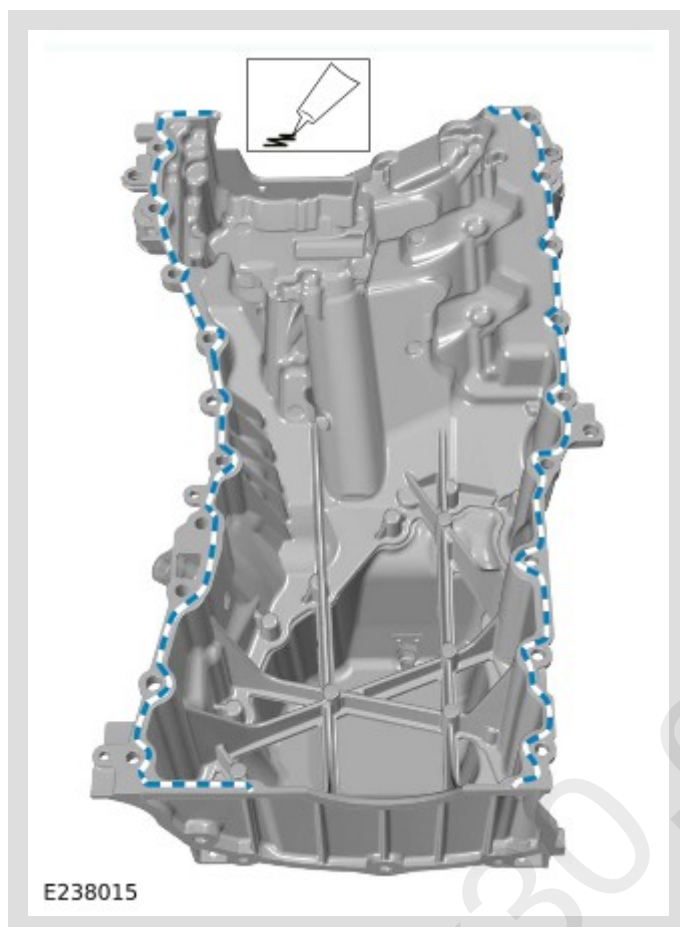


Install and tighten the 12 bolts in the illustrated sequence.

Torque: 25Nm

ⓘ CAUTION:

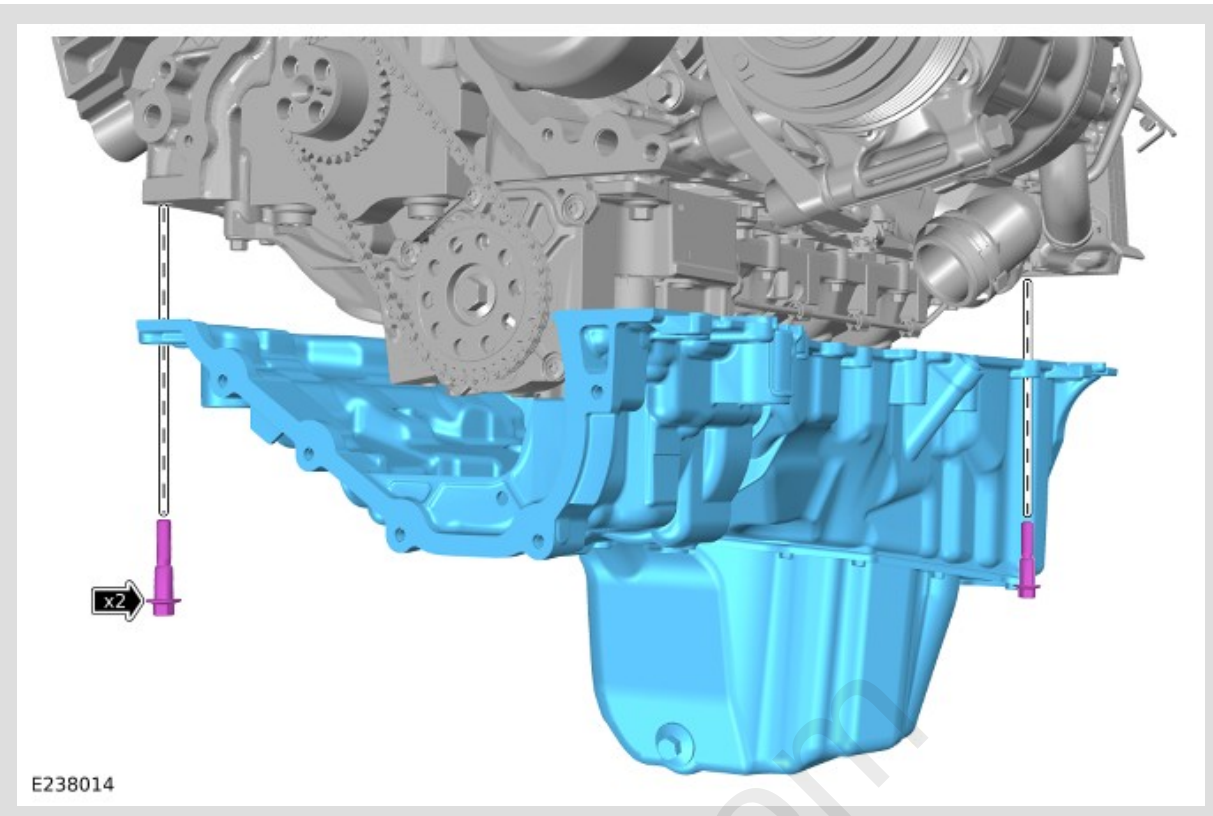
Make sure that the mating faces are clean and free of foreign material.



Apply a 3 mm diameter bead of sealant to the areas shown in the illustration. Use silicone gasket sealant or equivalent meeting Jaguar Land Rover specifications.

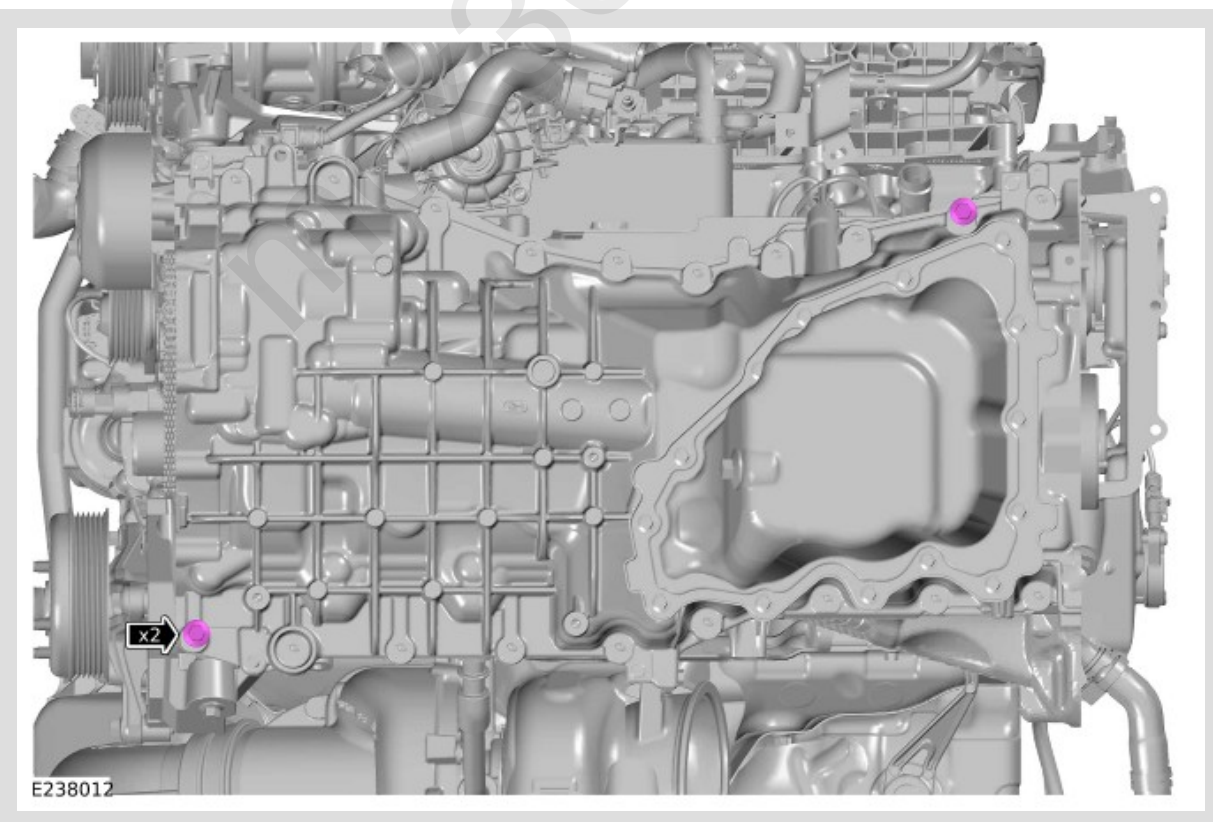
Refer to: [Specifications](#) (303-01C Engine - INGENIUM I6 3.0L Petrol, Specifications).

5.



- Install the oil pan extension.
- Install but do not fully tighten the 2 bolts.

6.



Tighten the 2 bolts.

Torque: 25Nm

7.



Install and tighten the 17 bolts in the illustrated sequence.

Torque: 25Nm

8.

- Install the new O-ring seal.
Renew Part: [Oil level gauge O-ring seal](#) Quantity: 1.
- Install the oil level gauge pipe.
- Install the 3 clips.
- Install and tighten the bolt.
Torque: 7Nm

9.

Install the front subframe.

Refer to: [Front Subframe](#) (502-00 Uni-Body, Subframe and Mounting System, Removal and Installation).

10.

Install the lower timing cover.

Refer to: [Lower Timing Cover](#) (303-01C Engine - INGENIUM I6 3.0L Petrol, Removal and Installation).

11.

Install the new engine front cover.

Refer to: [Engine Front Cover](#) (303-01C Engine - INGENIUM I6 3.0L Petrol, Removal and Installation).

12.

Fill engine with the correct specification and amount of oil.

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

13. Connect the startup battery ground cable.

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

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