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2020.0 DEFENDER (LE), 303-14B

ELECTRONIC ENGINE CONTROLS – INGENIUM I6 3.0L PETROL

MID CATALYST HEATED OXYGEN SENSOR (G2344552)

REMOVAL AND INSTALLATION

17.50.19	SENSOR – HEATED OXYGEN (HO2S) – MID CATALYST – RENEW	3000 CC, INGENIUM PETROL	1.20	USED WITHINS	
17.50.43	SENSOR – HEATED OXYGEN (HO2S) – MID CATALYST – RIGHT – RENEW	2000 CC, INGENIUM PETROL, IC	1.90	USED WITHINS	

SPECIAL TOOL(S)



E213446

JLR-303-1666

Remover/Installer, NOx/Oxygen Sensor

REMOVAL

WARNING:

Observe due care when working near a hot exhaust system.

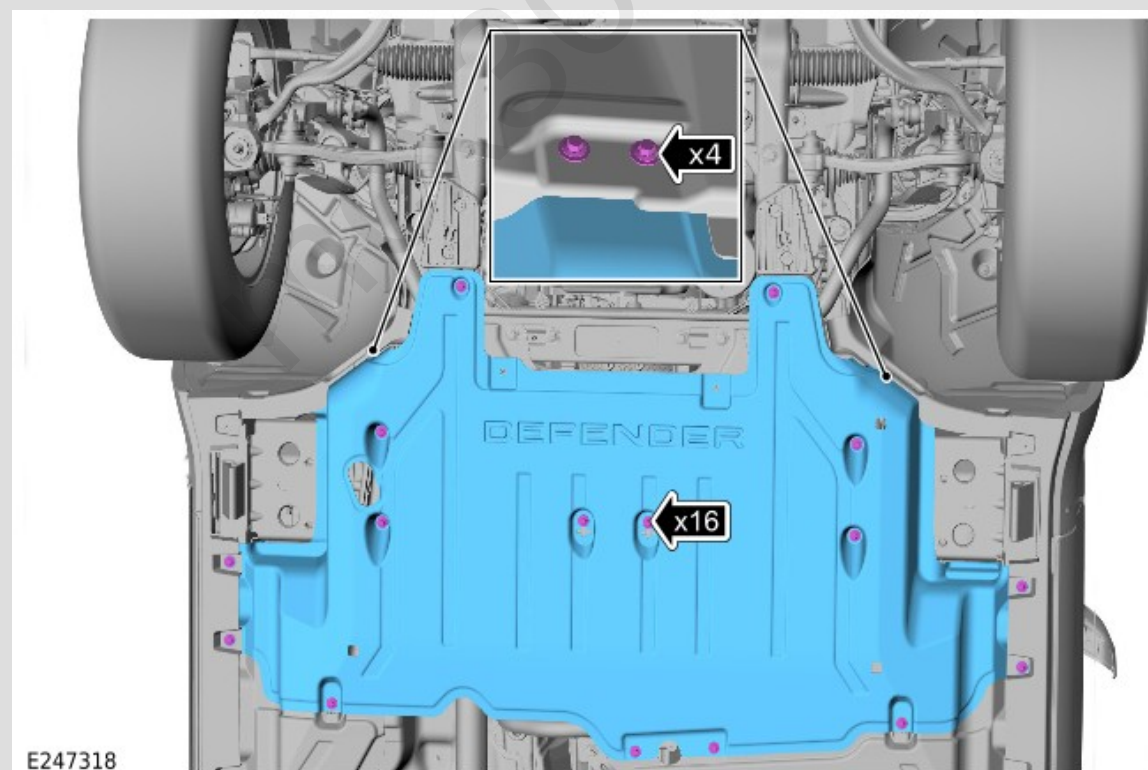
NOTE:

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

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).

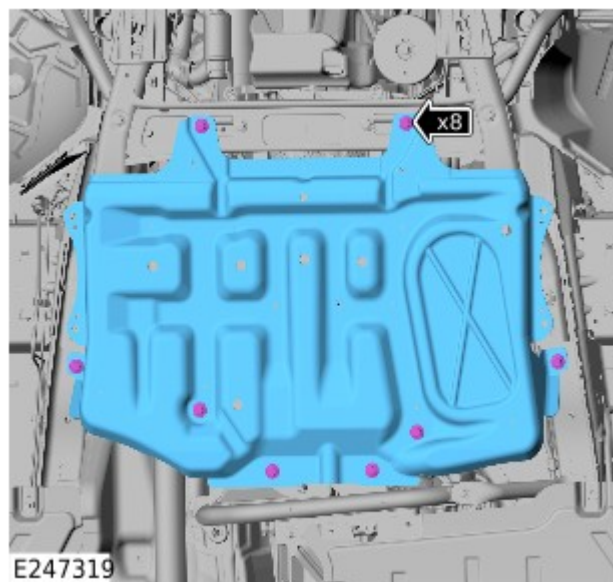
2. Remove the engine undershield.
Refer to: [Engine Undershield](#) (501-02 Front End Body Panels, Removal and Installation).

3.



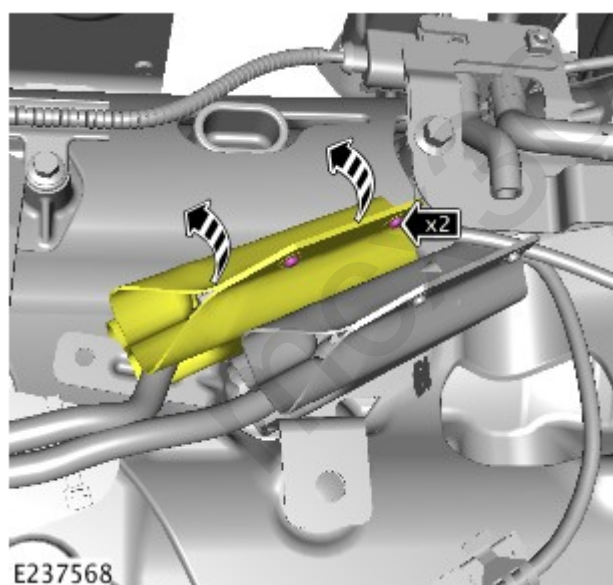
- Remove the 20 bolts.
- Remove the transmission undershield.
- Remove the transmission undershield cover.

4.



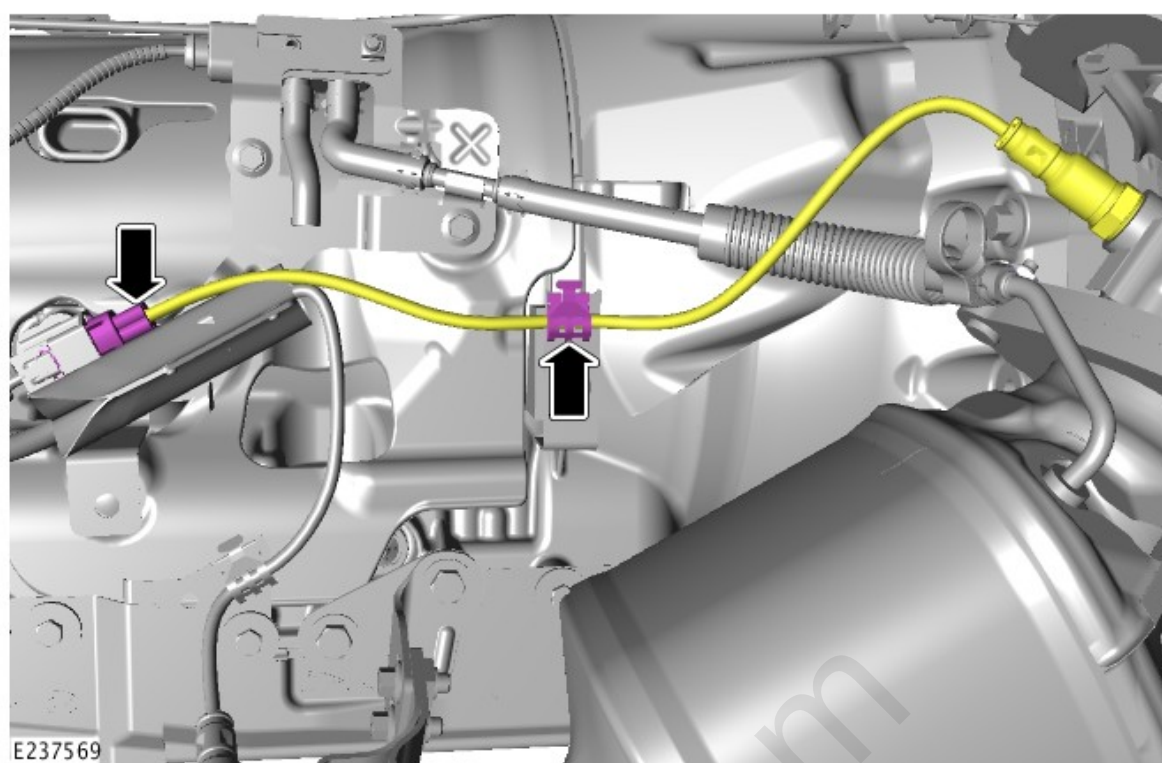
- Remove the 8 bolts.
- Remove the transmission undershield.

5.



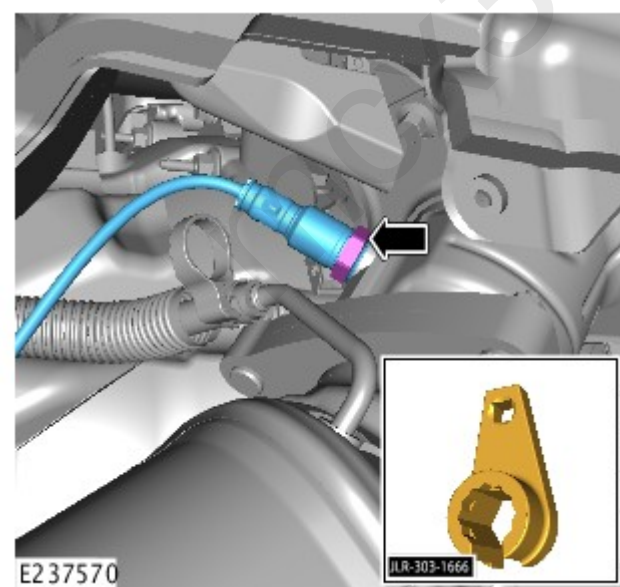
- Release the 2 clips.
- Reposition the noise, vibration and harshness material as illustrated.

6.



- Disconnect the electrical connector.
- Release the wiring harness from the clip.

7.



Use the special tool to remove the mid catalyst heated oxygen sensor.

Special Tool(s): [JLR-303-1666](#)

INSTALLATION

1.

⚠ CAUTION:

- If accidentally dropped or knocked install a new sensor.
- Make sure that the sensor tip is clean and free of foreign material.

Use the special tool to install and tighten the mid catalyst heated oxygen sensor.

Special Tool(s): [JLR-303-1666](#)

Torque: **48Nm**

2.

- Connect the electrical connector.
- Install the wiring harness into the clip.

3.

Install the noise, vibration and harshness material into the correct location.

4.

- Install the transmission undershield.
- Install and tighten the 8 bolts.

Torque: **60Nm**

5.

- Install the transmission undershield cover.
- Install and tighten the 20 bolts.

Torque: **10Nm**

6.

Install the engine undershield.

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