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2020.0 DEFENDER (LE), 205-02

REAR DRIVE AXLE/DIFFERENTIAL

DIFFERENTIAL (G2416225)

mcx30.com

REMOVAL AND INSTALLATION

GENERAL EQUIPMENT

EQUIPMENT NAME
Transmission jack

PART(S)

STEP	PART NAME	QUANTITY
Installation Step 1	Differential case front bolt(s)	2
Installation Step 1	Differential case nut(s)	2
Installation Step 2	Differential case rear bolts	2
Installation Step 6	Rear stabilizer bar to subframe bolts	2
Installation Step 6	Rear stabilizer bar to subframe nuts	2
Installation Step 8	Driveshaft to rear differential bolts	6

REMOVAL



WARNING:

Be prepared to collect escaping fluid.



CAUTION:

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



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.

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. Drain the differential.

Refer to: [Differential Draining and Filling](#) (205-02 Rear Drive Axle/Differential, General Procedures).

3. Remove both the rear halfshafts.

Refer to: [Rear Halfshaft](#) (205-05 Rear Drive Halfshafts, Removal and Installation).

4. Remove the rear silencer.

Refer to: [Rear Silencer - Vehicles Without: Diesel Exhaust Fluid](#) (309-00A Exhaust System - INGENIUM I4 2.0L Diesel, Removal and Installation).

Refer to: [Rear Silencer - Vehicles With: Diesel Exhaust Fluid](#) (309-00A Exhaust System - INGENIUM I4 2.0 L Diesel, Removal and Installation).

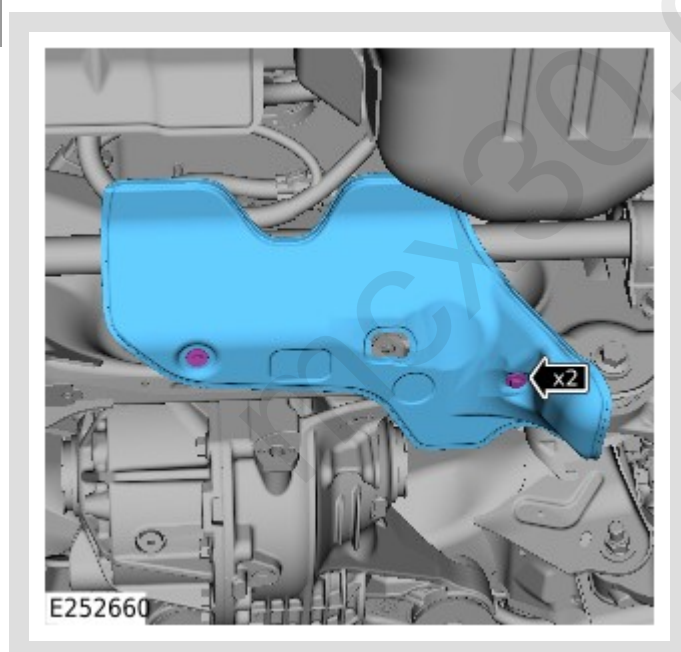
Refer to: [Rear Silencer](#) (309-00B Exhaust System - INGENIUM I4 2.0L Petrol/INGENIUM I4 2.0L Petrol - PHEV, Removal and Installation).

Refer to: [Rear Silencer](#) (309-00C Exhaust System - INGENIUM I6 3.0L Petrol, Removal and Installation).

5. Disconnect the rear driveshaft.

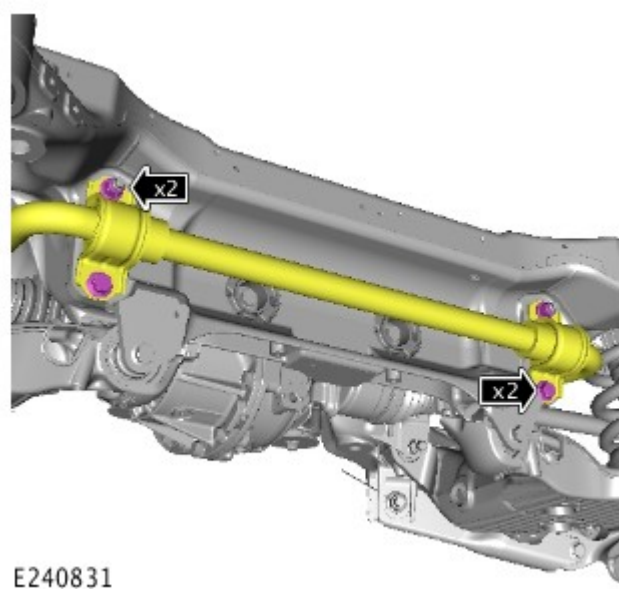
Refer to: [Driveshaft to Rear Differential Disconnection](#) (205-00 Driveline System - General Information, General Procedures).

- 6.



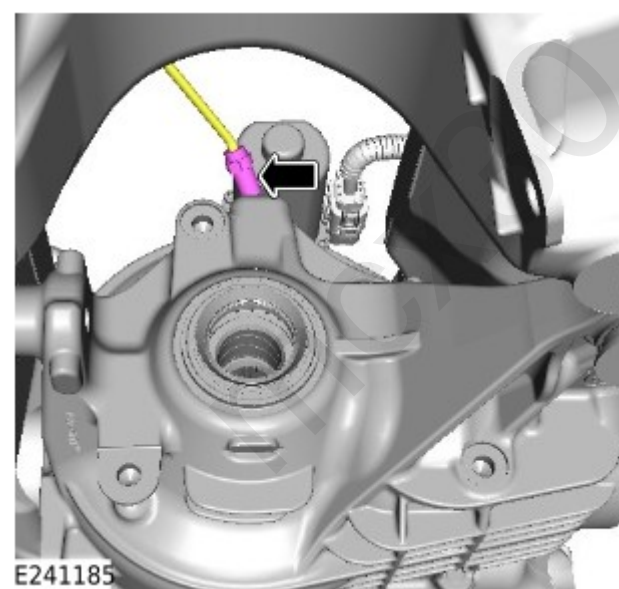
- Remove the 2 bolts.
- Remove the heatshield.

7.



- Remove and discard the 2 nuts and 2 bolts.
- Reposition the stabilizer bar away from the rear subframe.

8.

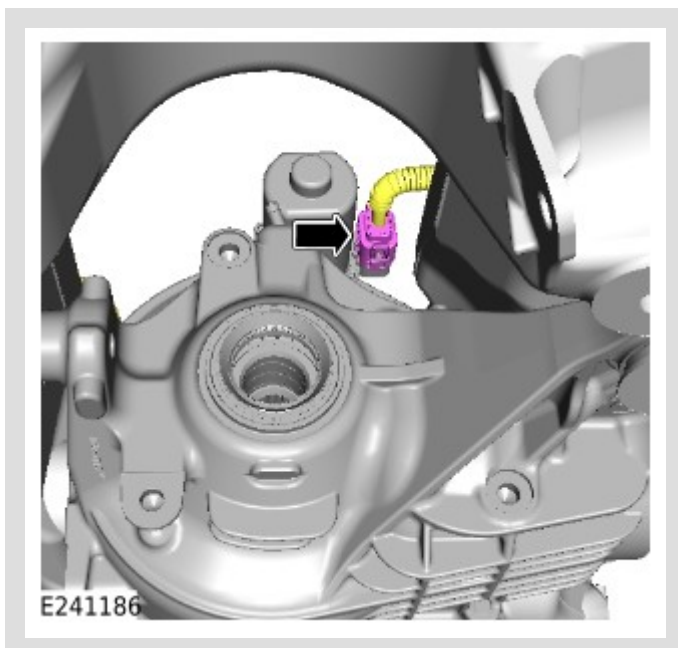


Disconnect the breather pipe.

9.

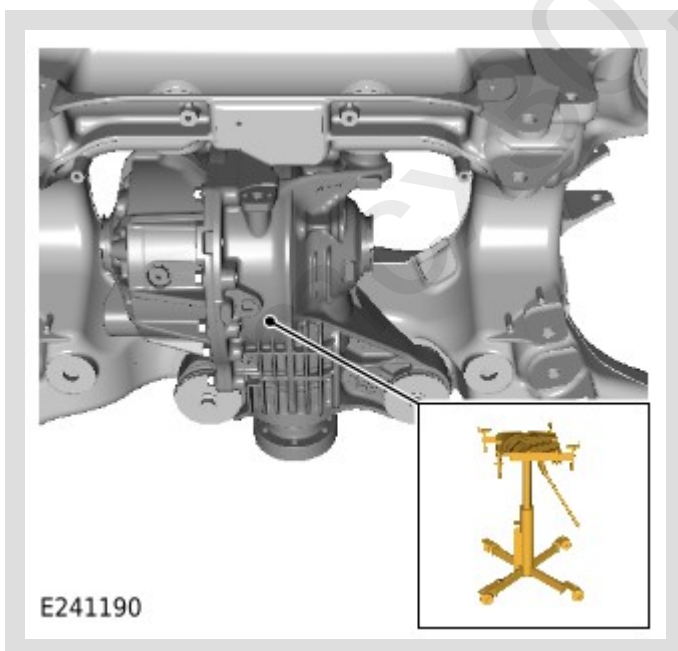
NOTE:

If equipped.



Disconnect the differential locking motor electrical connector.

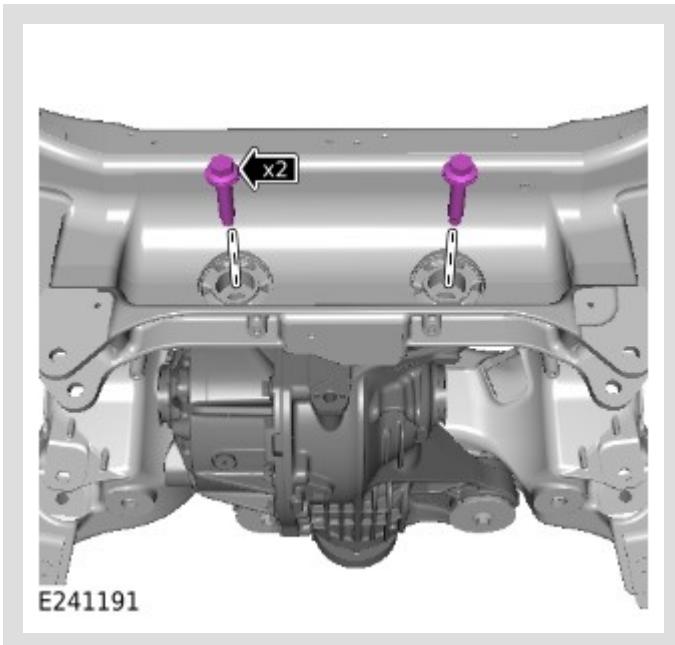
10.



Use a suitable transmission jack to support the rear differential case.

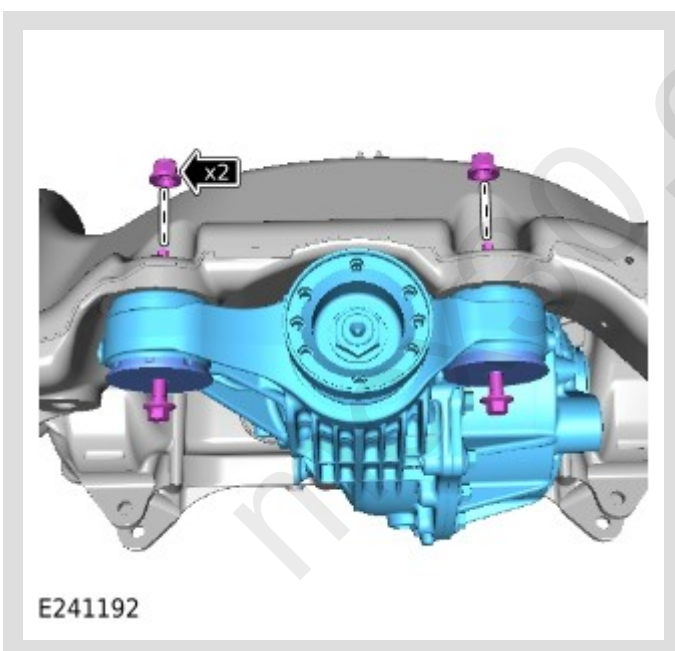
General Equipment: [Transmission jack](#)

11.



Remove and discard the 2 differential rear bush bolts.

12.



- Remove and discard the 2 differential front bush nuts and bolts.
- Remove the differential.

INSTALLATION

1.

- Use a suitable transmission jack to support the differential.
General Equipment: [Transmission jack](#)
- Install the differential.
- Install and tighten the 2 new differential front bush nuts and bolts.
Renew Part: [Differential case front bolt\(s\)](#) *Quantity:* 2.
Renew Part: [Differential case nut\(s\)](#) *Quantity:* 2.
Torque: **110Nm**

2.

- Install and tighten the 2 new differential rear bush bolts.
Renew Part: [Differential case rear bolts](#) *Quantity:* 2.
Torque: **170Nm**

3.

Remove the supporting stand.

4.



NOTE:

If equipped.

Connect the differential locking motor electrical connector.

5.

Connect the breather pipe.

6.

- Reposition the stabilizer bar in the correct location.
- Install and tighten the 2 new stabilizer bar nuts and bolts.
Renew Part: [Rear stabilizer bar to subframe bolts](#) *Quantity:* 2.
Renew Part: [Rear stabilizer bar to subframe nuts](#) *Quantity:* 2.
Torque
Nuts: **110Nm**
Bolts: **110Nm**

7.

- Install the heatshield.
- Install and tighten the 2 bolts.
Torque: **9Nm**

8.

- Install the rear driveshaft to the alignment mark made on the removal step.
- Install the 3 spacers.
- Install and tighten the 6 new driveshaft to front output flange bolts.

Renew Part: [Driveshaft to rear differential bolts](#) Quantity: 6.

Torque: 73Nm

9.

Install the rear silencer.

Refer to: [Rear Silencer - Vehicles Without: Diesel Exhaust Fluid](#) (309-00A Exhaust System - INGENIUM I4 2.0L Diesel, Removal and Installation).

Refer to: [Rear Silencer - Vehicles With: Diesel Exhaust Fluid](#) (309-00A Exhaust System - INGENIUM I4 2.0 L Diesel, Removal and Installation).

Refer to: [Rear Silencer](#) (309-00B Exhaust System - INGENIUM I4 2.0L Petrol/INGENIUM I4 2.0L Petrol - PHEV, Removal and Installation).

Refer to: [Rear Silencer](#) (309-00C Exhaust System - INGENIUM I6 3.0L Petrol, Removal and Installation).

10.

Install both the rear halfshafts.

Refer to: [Rear Halfshaft](#) (205-05 Rear Drive Halfshafts, Removal and Installation).

11.

Fill the differential.

Refer to: [Differential Draining and Filling](#) (205-02 Rear Drive Axle/Differential, General Procedures).