

PUBLISHED: 30-OCT-2019
2020.0 DEFENDER (LE), 205-04

FRONT DRIVE HALFSHAFTS

FRONT LEFT HALFSHAFT (G2344672)

mcx30.com

SPECIAL TOOL(S)



204-506/1

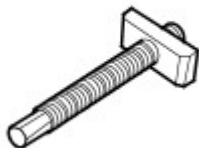
Remover/Installer, Halfshaft



204-506/2

Remover/Installer, Halfshaft Spacer

204-506/3



E49620

204-506/3

Remover/Installer, Halfshaft Screw Thread

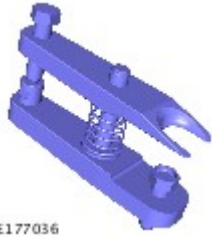
204-506/5



E49621

204-506/5

Retainers, Halfshaft tools



E177036

JLR-204-793A

Ball Joint Splitter



E145966

JLR-204-803

Splitter, Upper Arm

GENERAL EQUIPMENT

EQUIPMENT NAME
Vehicle/axle stands

PART(S)

STEP	PART NAME	QUANTITY
Installation Step 1	Circlip	1
Installation Step 5	Front suspension upper arm ball joint to knuckle nut and bolt	1
Installation Step 7	Tie-rod end nut	1
Installation Step 10	Front halfshaft nut	1

REMOVAL

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.

NOTE:

If equipped.

Use the Jaguar Land Rover (JLR) approved diagnostic equipment to depressurize the air suspension. Refer to: [Air Suspension System Depressurize and Pressurize](#) (204-05 Vehicle Dynamic Suspension, 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).

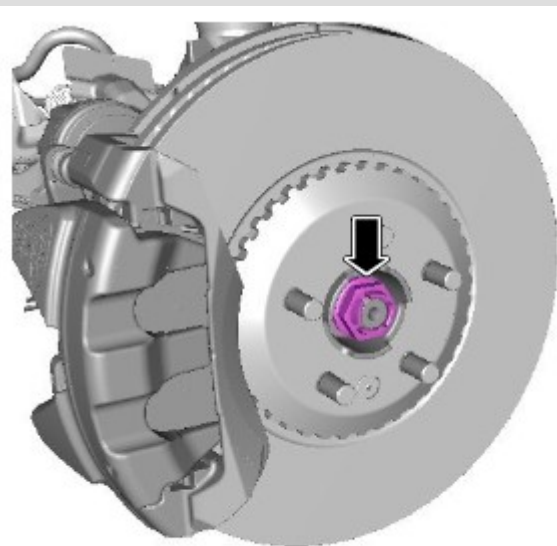
3.

Remove the wheel and tire.

Refer to: [Wheel and Tire](#) (204-04 Wheels and Tires, Removal and Installation).

**WARNING:**

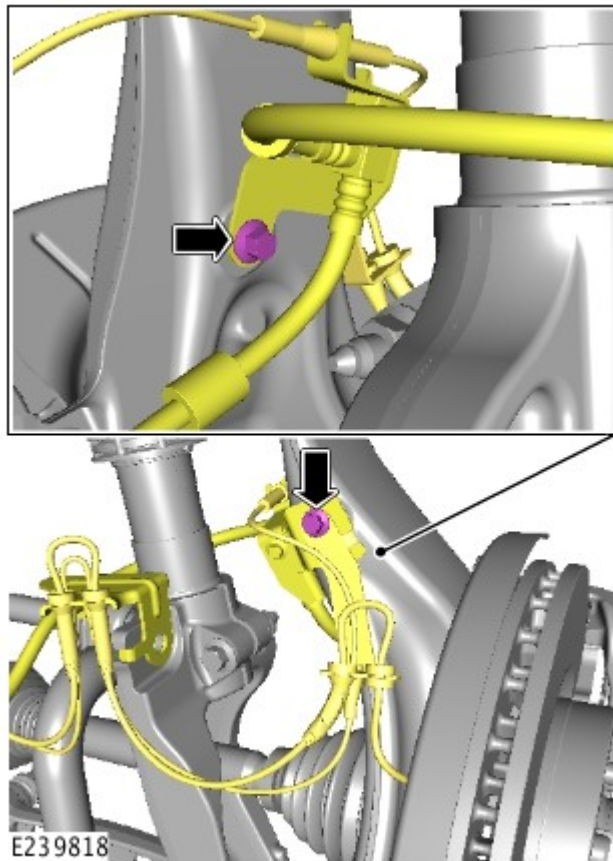
This step requires the aid of another technician.



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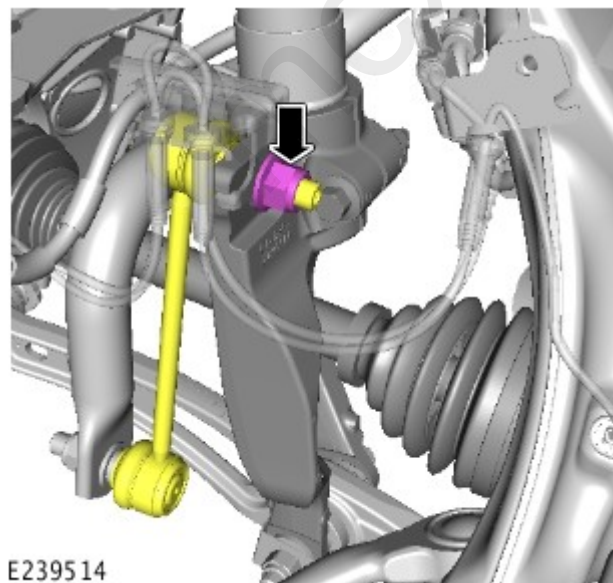
- Apply the foot brake.
- Remove and discard the halfshaft nut.

5.



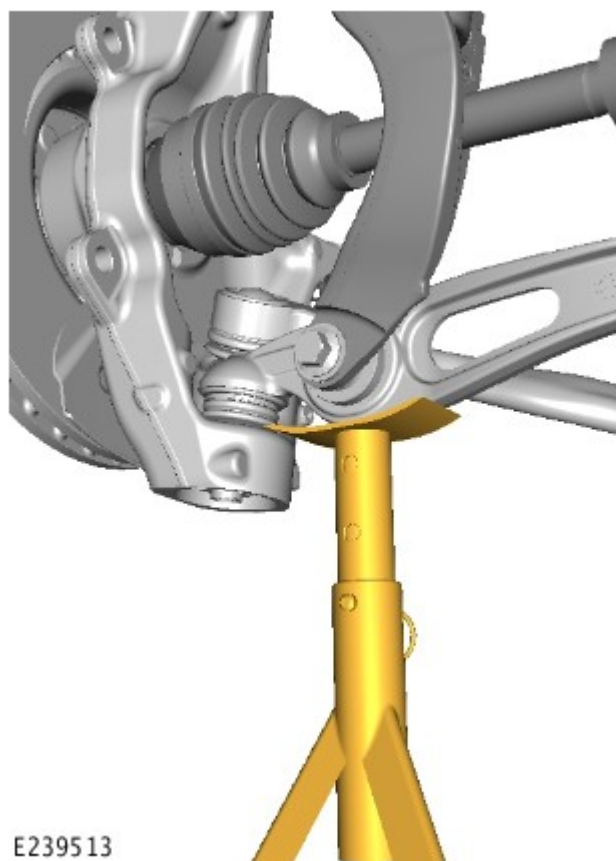
- Remove the 2 bolts.
- Reposition the brake hose and sensor wiring harness away from the wheel knuckle.

6.



- Remove and discard the stabilizer bar link upper nut.
- Reposition the stabilizer bar link away from the wheel knuckle.

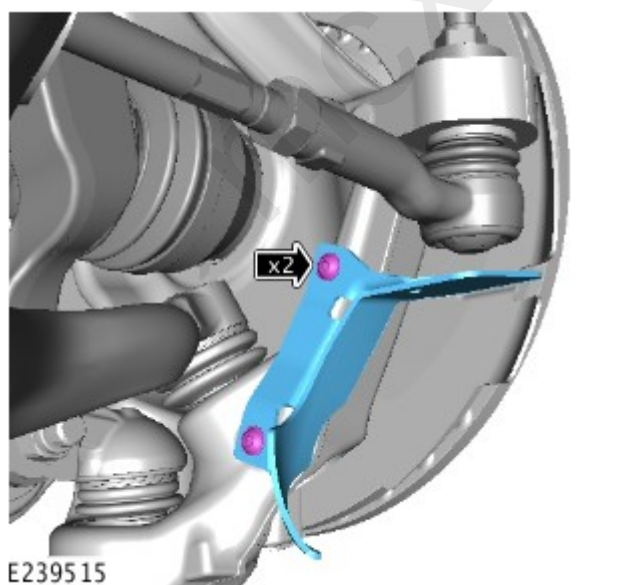
7.



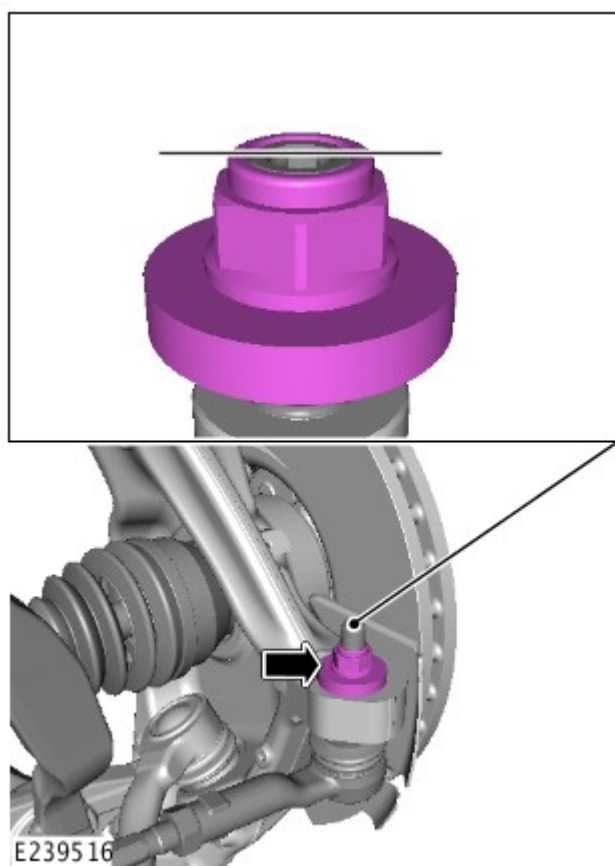
Use a suitable stand to support the lower arm.

General Equipment: [Vehicle/axle stands](#)

8.

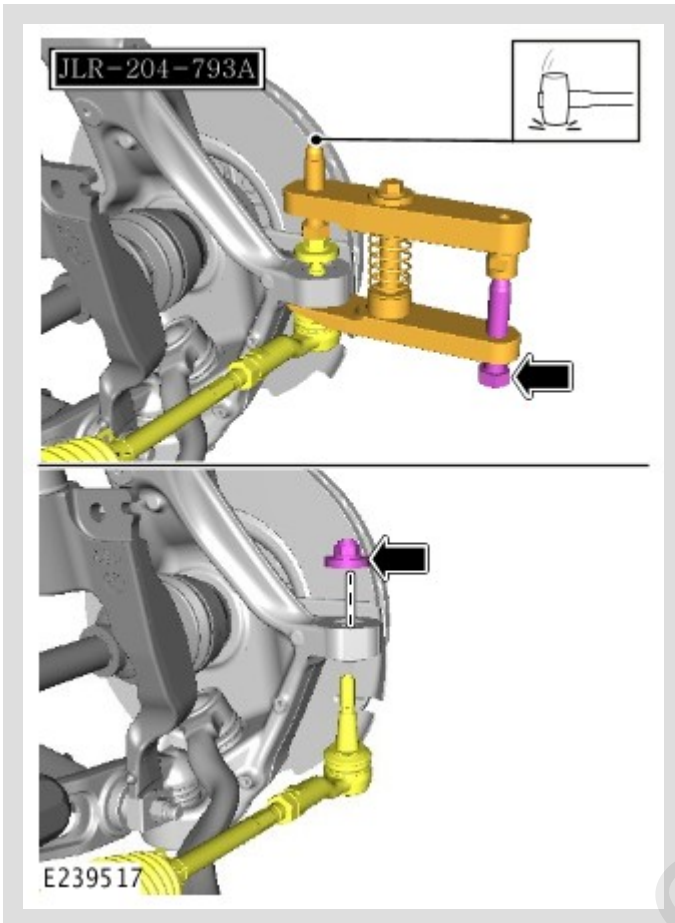


- Remove the 2 bolts.
- Remove the air duct.



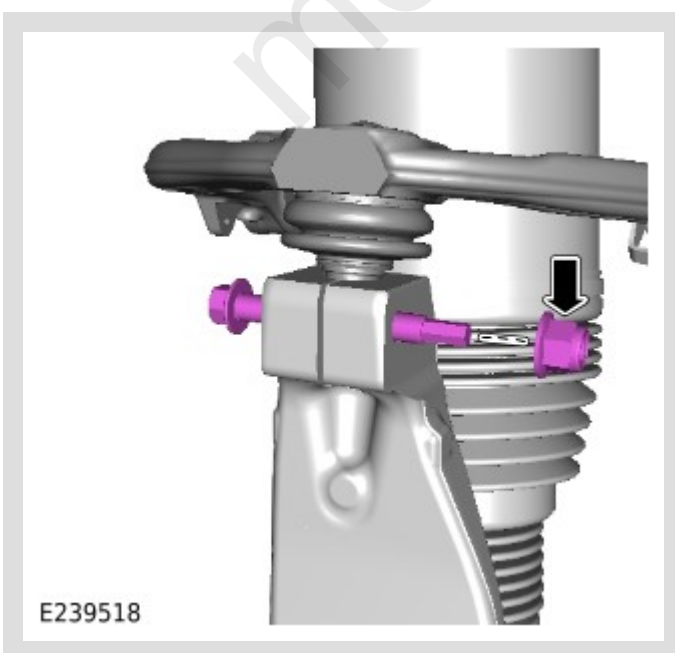
Loosen, but do not fully remove the tie-rod end nut.

10.



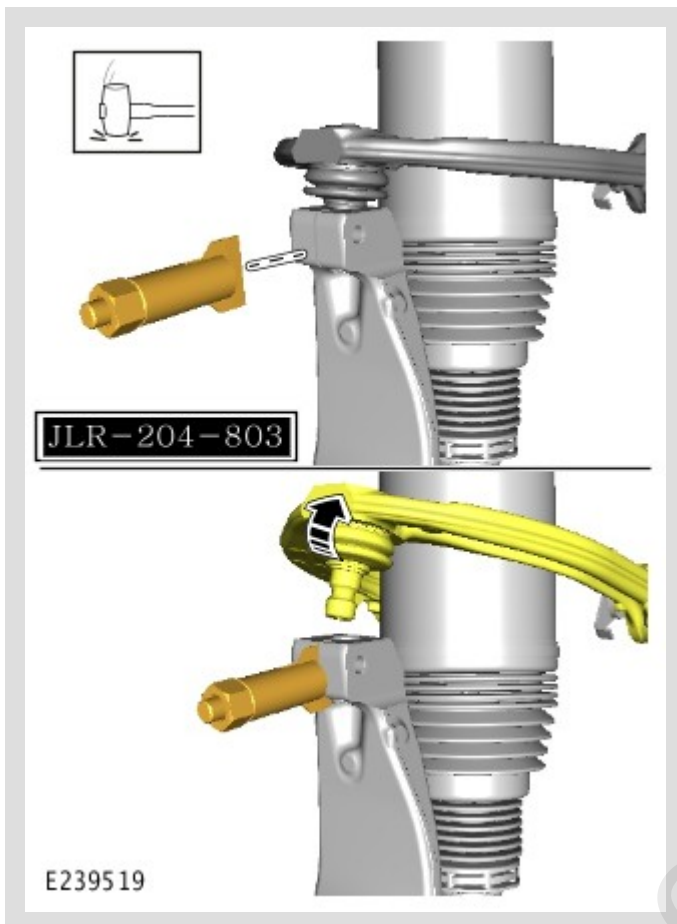
- Use the special tool to release the tie-rod end from the wheel knuckle.
Special Tool(s): [JLR-204-793A](#)
- Remove and discard the tie-rod end nut.
- Reposition the tie-rod end away from the wheel knuckle.

11.



Remove and discard the upper arm ball joint nut and bolt.

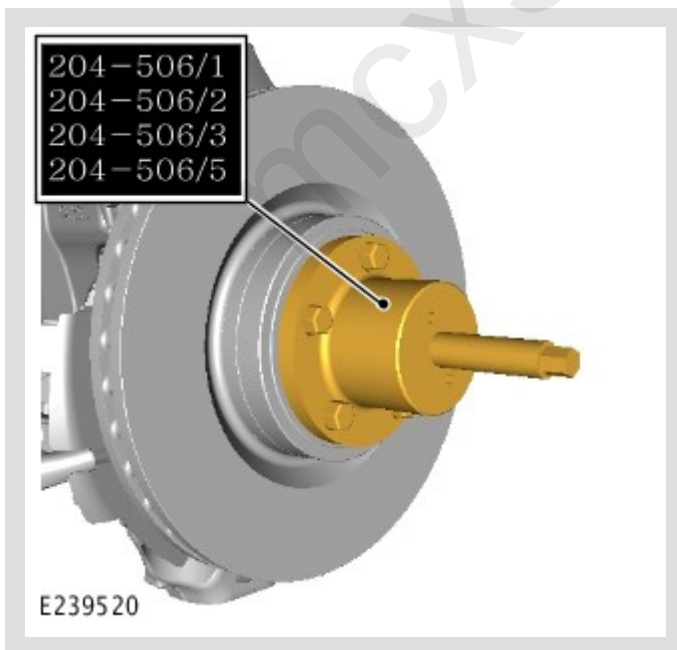
12.



Use the special tool to release the upper arm ball joint.

Special Tool(s): [JLR-204-803](#)

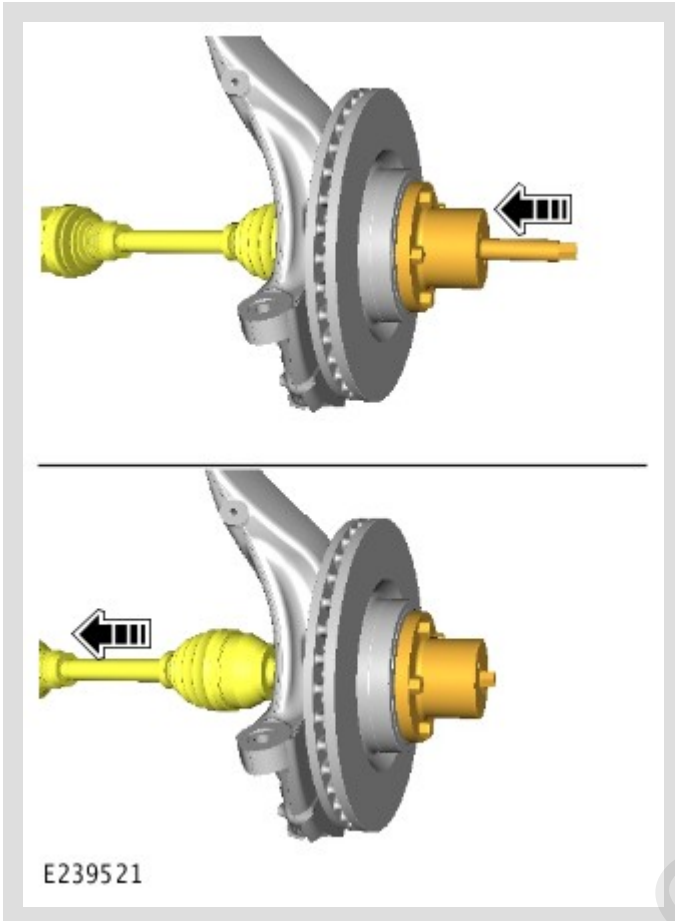
13.



Install the special tools.

Special Tool(s): [204-506/1](#), [204-506/2](#), [204-506/3](#), [204-506/5](#)

14.



Use the special tool to release the halfshaft.

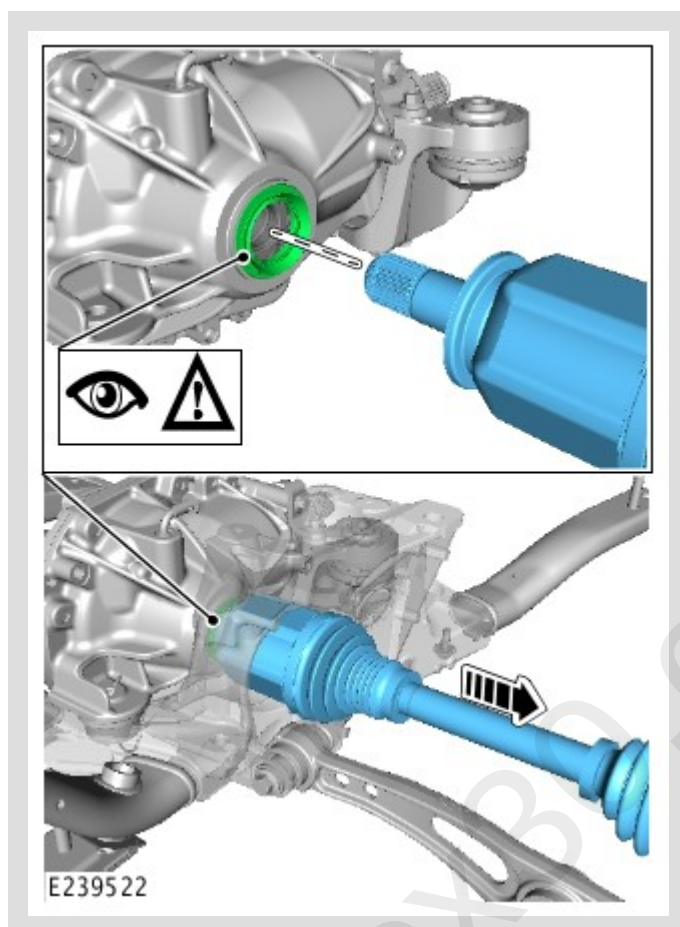
15.

Remove the special tools.

Special Tool(s): [204-506/1](#), [204-506/2](#), [204-506/3](#), [204-506/5](#)

ⓘ CAUTION:

- Take care not to damage the halfshaft seal.
- Be prepared to collect escaping fluids.



Remove the halfshaft from the differential.



Remove and discard the halfshaft circlip.

INSTALLATION

1.



Install a new circlip to the halfshaft.

Renew Part: [Circlip](#) Quantity: [1](#).

2.

Clean and inspect the seal. Replace if damaged or worn.

3.

⚠ CAUTION:

Take extra care not to damage the seal.

Install the halfshaft.

4.

Install the halfshaft into the wheel knuckle.

5.

- Install the upper arm ball joint into the wheel knuckle.

- Remove the special tool.

Special Tool(s): [JLR-204-803](#)

- Install a new nut and bolt.

Renew Part: [Front suspension upper arm ball joint to knuckle nut and bolt](#) Quantity: [1](#).

Torque: **70Nm**

6.

Remove the supporting stand from under the lower arm.

General Equipment: [Vehicle/axle stands](#)

7.

- Install the tie-rod end.
- Install and tighten the new nut.
Renew Part: [Tie-rod end nut](#) Quantity: 1.
*Torque: **140Nm***

8.

- Install the air duct.
- Install and tighten the 2 bolts.
*Torque: **10Nm***

9.

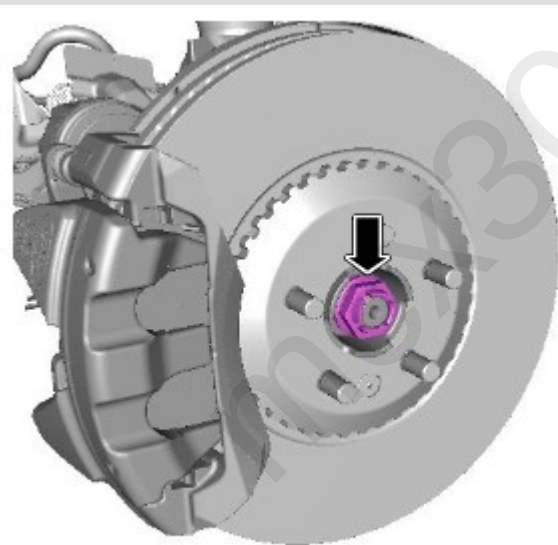
- Install the stabilizer bar link.
- Install and tighten the new stabilizer bar link nut.
*Torque: **185Nm***

10.



WARNING:

This step requires the aid of another technician.



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- Apply and hold the footbrake.
- Install and tighten the new halfshaft nut.
Renew Part: [Front halfshaft nut](#) Quantity: 1.
Torque
*Stage1: **120Nm***
*Stage2: **60°***

11.

Install the wheel and tire.

Refer to: [Wheel and Tire](#) (204-04 Wheels and Tires, Removal and Installation).

 NOTE:

If equipped.

Use the Jaguar Land Rover (JLR) approved diagnostic equipment to pressurize the air suspension.

Refer to: [Air Suspension System Depressurize and Pressurize](#) (204-05 Vehicle Dynamic Suspension, General Procedures).