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2020.0 DEFENDER (LE), 205-04

FRONT DRIVE HALFSHAFTS

FRONT RIGHT HALFSHAFT (G2344673)

mcx30.com

SPECIAL TOOL(S)



204-506/1

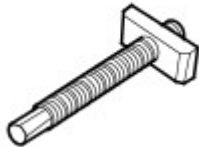
Remover/Installer, Halfshaft



204-506/2

Remover/Installer, Halfshaft Spacer

204-506/3



E49620

204-506/3

Remover/Installer, Halfshaft Screw Thread

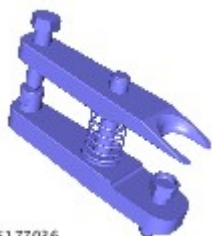
204-506/5



E49621

204-506/5

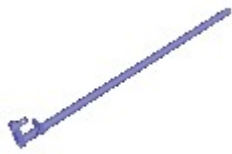
Retainers, Halfshaft tools



E177036

JLR-204-793A

Ball Joint Splitter



E145965

JLR-204-802

Splitter, Damper



E145966

JLR-204-803

Splitter, Upper Arm

GENERAL EQUIPMENT

EQUIPMENT NAME
Jaguar Land Rover approved diagnostic equipment
Vehicle/axle stands

PART(S)

STEP	PART NAME	QUANTITY
Installation Step 4	Shock absorber to yoke nut(s) and bolt(s)	1
Installation Step 4	Yoke to lower arm nut(s) and bolt(s)	1
Installation Step 6	Front suspension upper arm ball joint to knuckle nut and bolt	1
Installation Step 8	Stabilizer bar link upper nut	1

STEP	PART NAME	QUANTITY
Installation Step 10	Tie-rod end nut	1
Installation Step 12	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:

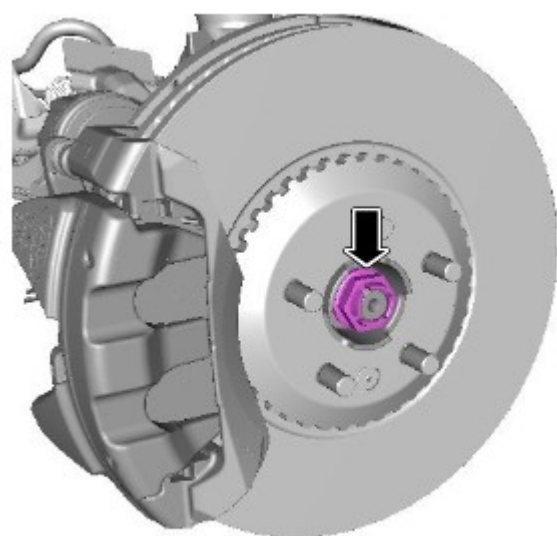
- This procedure contains some variation in the illustrations depending on the vehicle specification, but the essential information is always correct.
- This procedure contains illustrations showing certain components removed to provide extra clarity.

1. Use the Jaguar Land Rover (JLR) approved diagnostic equipment to depressurize the air suspension.
General Equipment: [Jaguar Land Rover approved diagnostic equipment](#)

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).

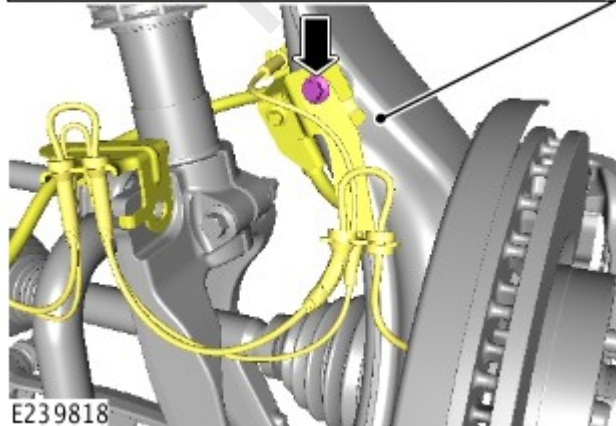
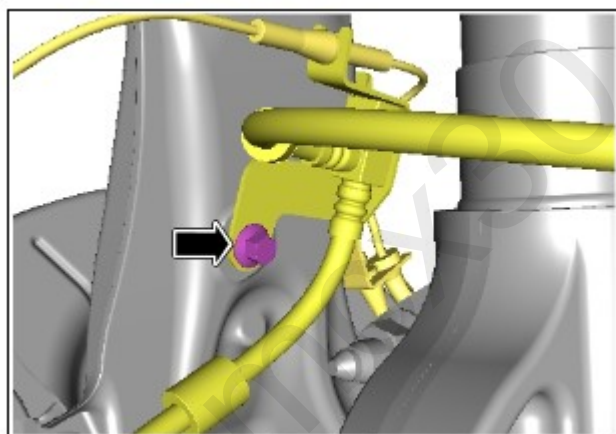
4.



E230939

- Apply the foot brake and remove the halfshaft nut.
- Retain the nut to aid the installation of the halfshaft.

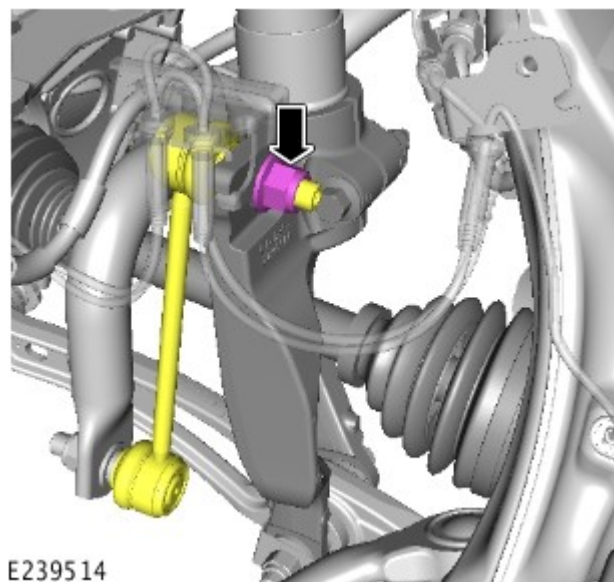
5.



E239818

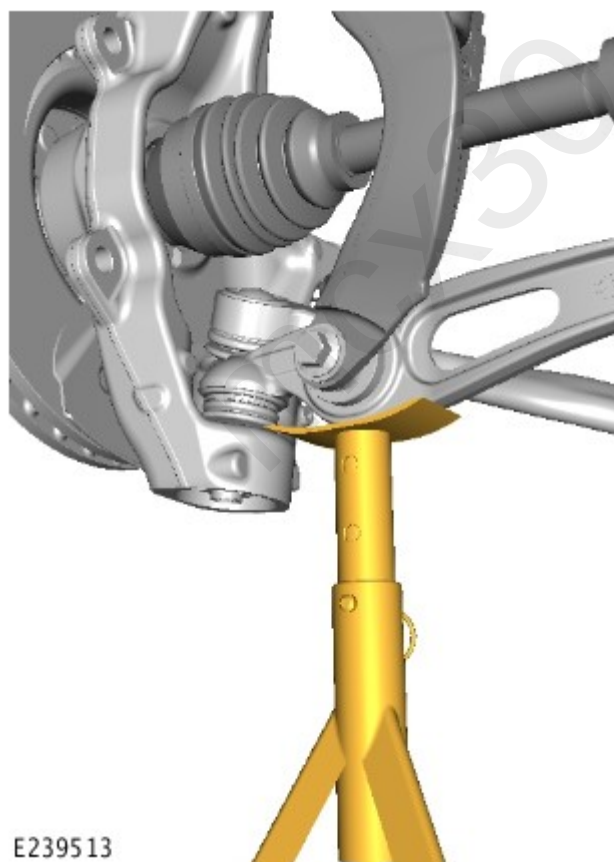
- Remove the 2 bolts.
- Reposition the brake hose and sensor wiring harnesses.

6.



- Remove and discard the stabilizer bar link upper nut.
- Reposition the stabilizer bar link.

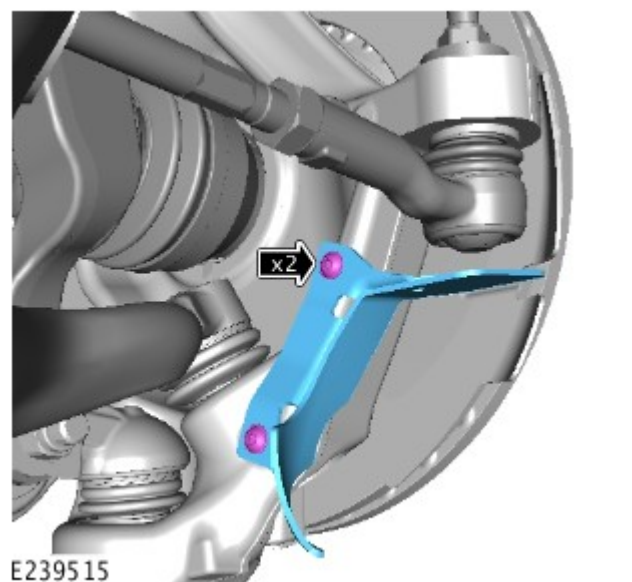
7.



Use a suitable stand to support the lower arm.

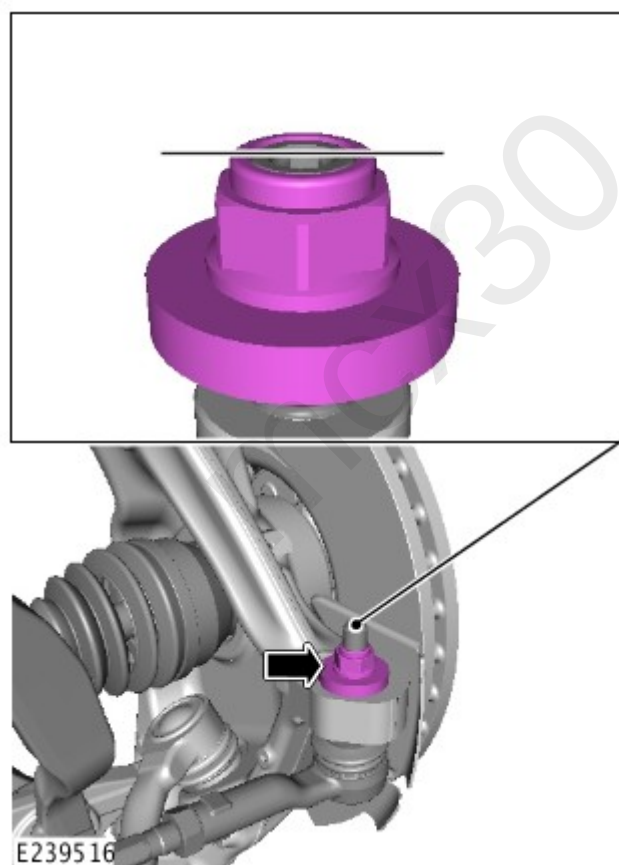
General Equipment: [Vehicle/axle stands](#)

8.



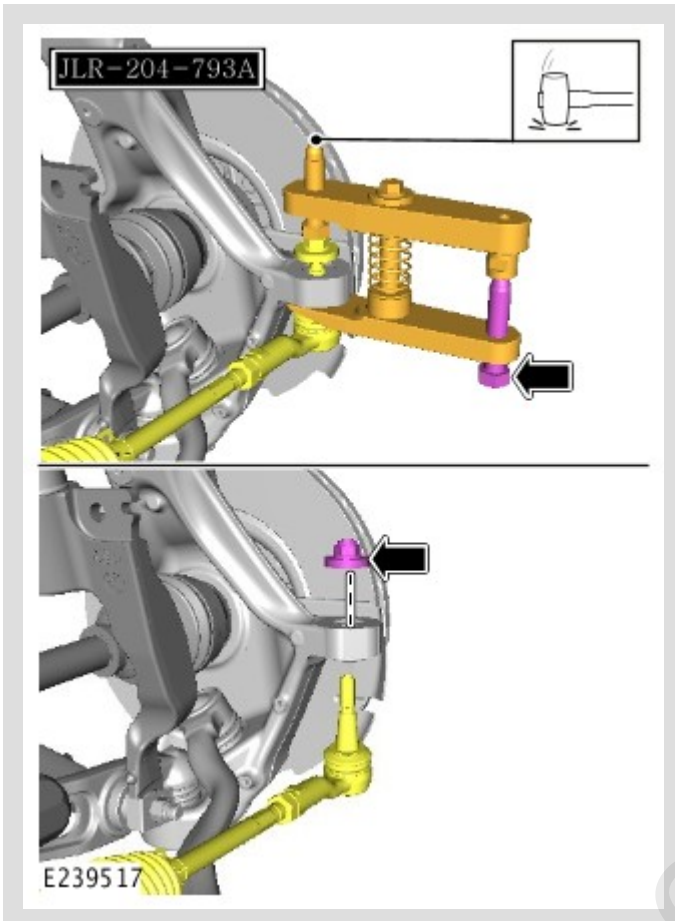
Remove the air duct.

9.



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

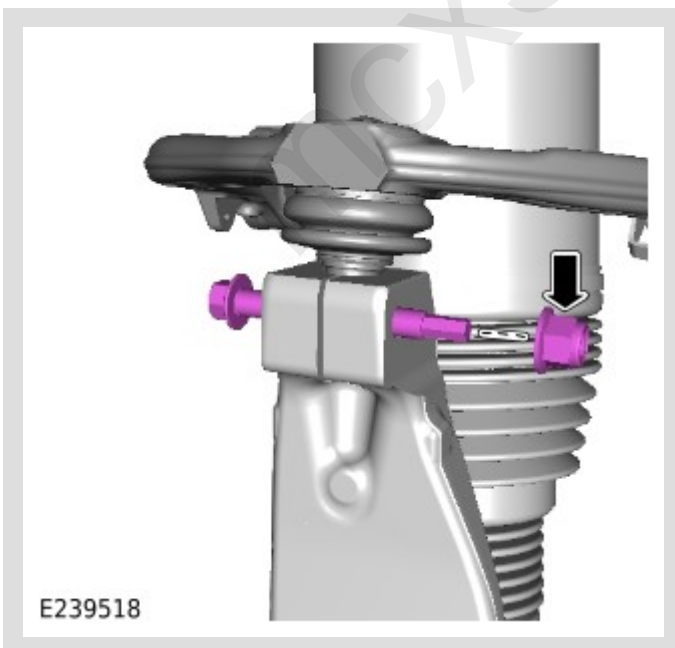
10.



Use the special tool to release the tie-rod end from the wheel knuckle.

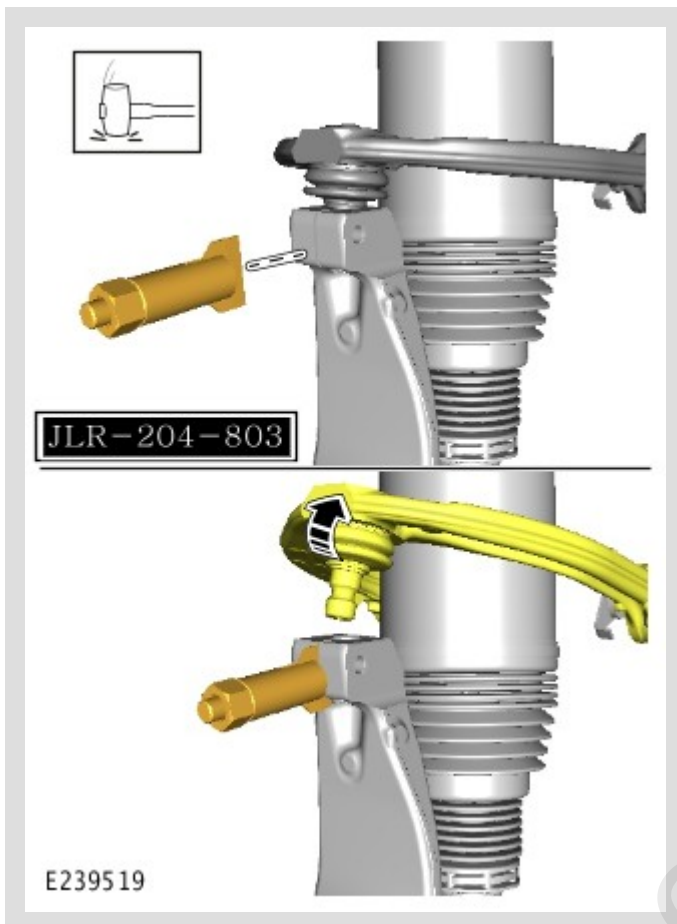
Special Tool(s): [JLR-204-793A](#)

11.



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

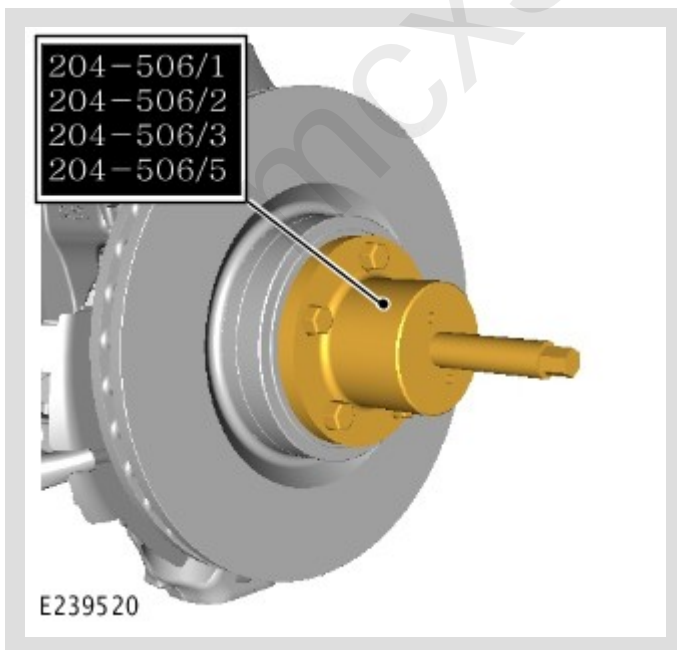
12.



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

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

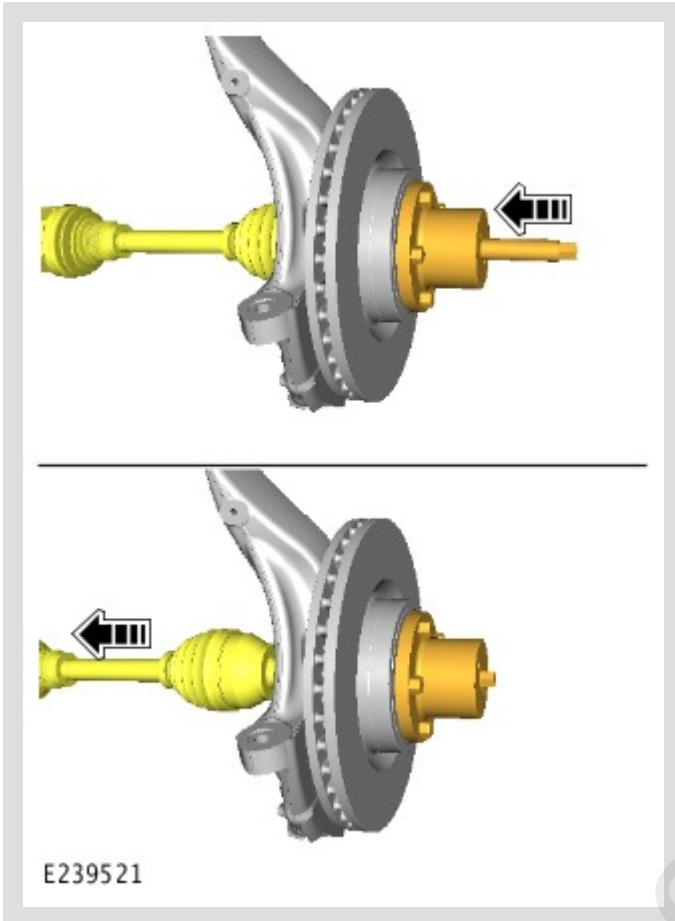
13.



Install the special tools.

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

14.

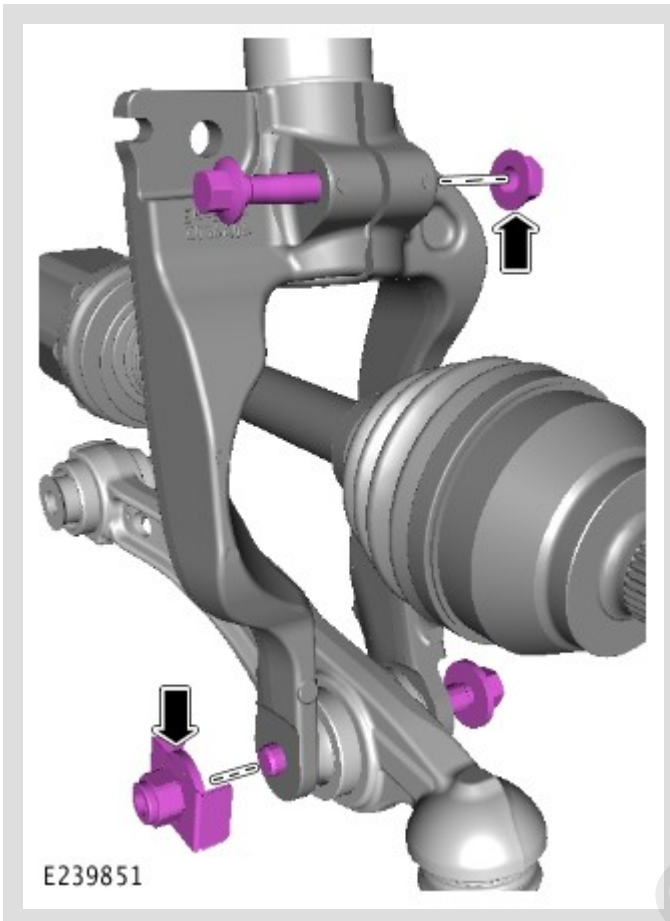


Use the special tool to release the halfshaft.

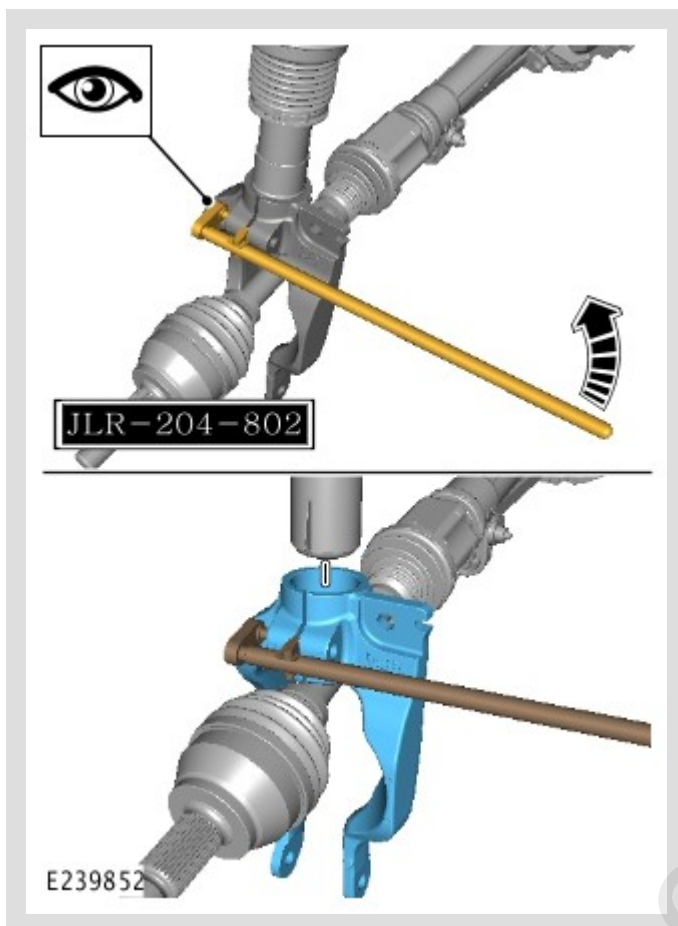
15.

Remove the special tools.

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



- Remove and discard the shock absorber to yoke nut and bolt.
- Remove and discard the yoke to lower arm nut and bolt.



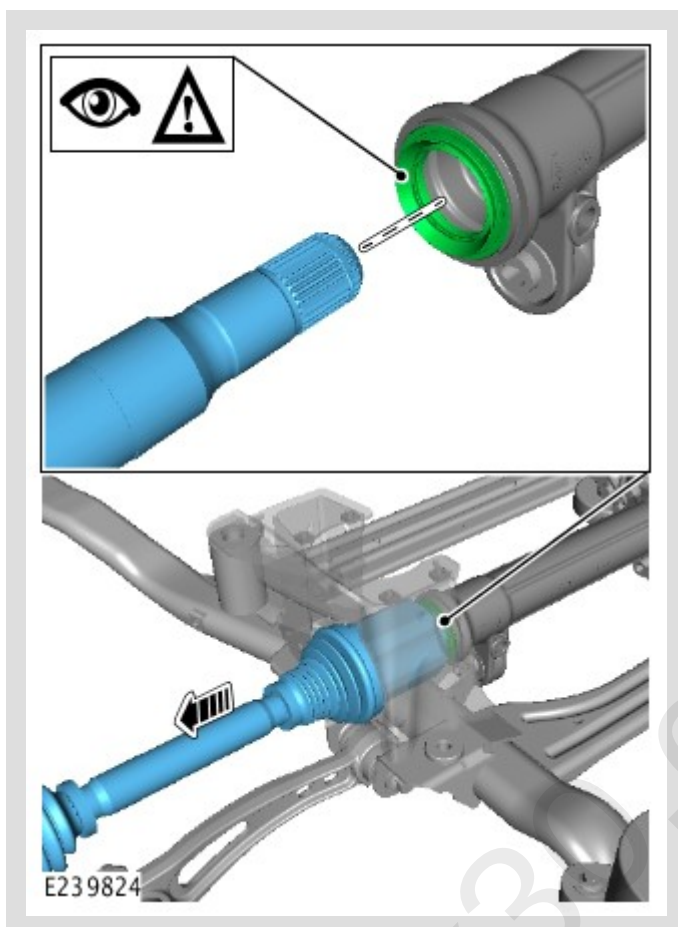
Use the special tool to remove the yoke.

Special Tool(s): [JLR-204-802](#)

18.

⚠ CAUTION:

Take care not to damage the halfshaft seal.

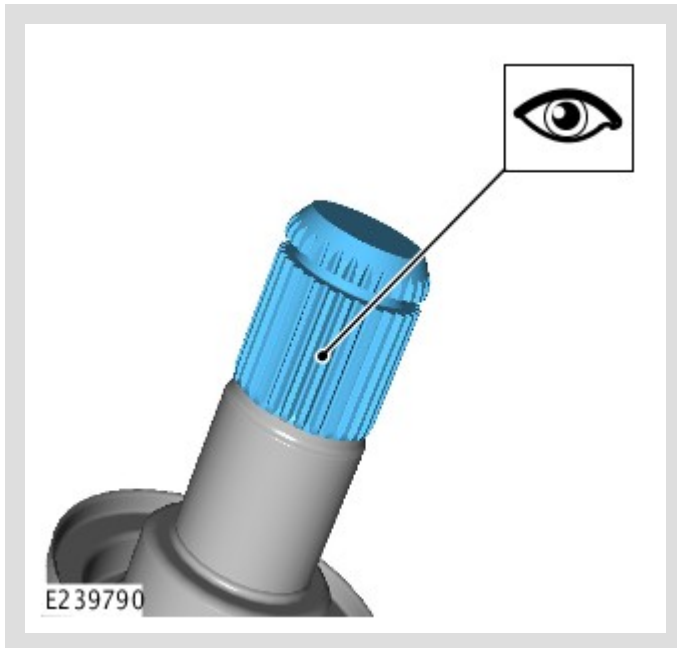


Use a suitable tool to remove the halfshaft from the differential.

19.



Remove and discard the halfshaft circlip.



Inspect the halfshaft splines for signs of damage. If damage is present, drain the front differential and refill with clean oil.

INSTALLATION

1.



Install a new circlip to the halfshaft.

2.

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

3.

Install the halfshaft. Make sure it is fully located in the differential.

4.

- Install the yoke.
- Install the new shock absorber to yoke nut and bolt.
Renew Part: [Shock absorber to yoke nut\(s\) and bolt\(s\)](#) Quantity: 1.
*Torque: **95Nm***
- Install the new yoke to lower arm nut and bolt.
Renew Part: [Yoke to lower arm nut\(s\) and bolt\(s\)](#) Quantity: 1.
Torque
*Stage1: **100Nm***
*Stage2: **240°***

5.

Install the halfshaft into the wheel knuckle. Use the original nut to aid installation.

6.

- Install the upper arm ball joint into the wheel knuckle.
- Install a new nut and bolt.
Renew Part: [Front suspension upper arm ball joint to knuckle nut and bolt](#) Quantity: 1.
*Torque: **70Nm***

7.

- Reposition the brake hose and sensor wiring harnesses.
- Install the 2 bolts.

Torque: 10Nm

8.

- Install the stabilizer bar link.
- Make sure the brake hose and wheel speed sensor wiring are correctly located.
- Install a new nut.

Renew Part: [Stabilizer bar link upper nut](#) Quantity: 1.

Torque: 185Nm

9.

Remove the supporting stand from under the lower arm.

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

10.

- Install the tie-rod end ball joint to the wheel knuckle.
- Install the new nut.

Renew Part: [Tie-rod end nut](#) Quantity: 1.

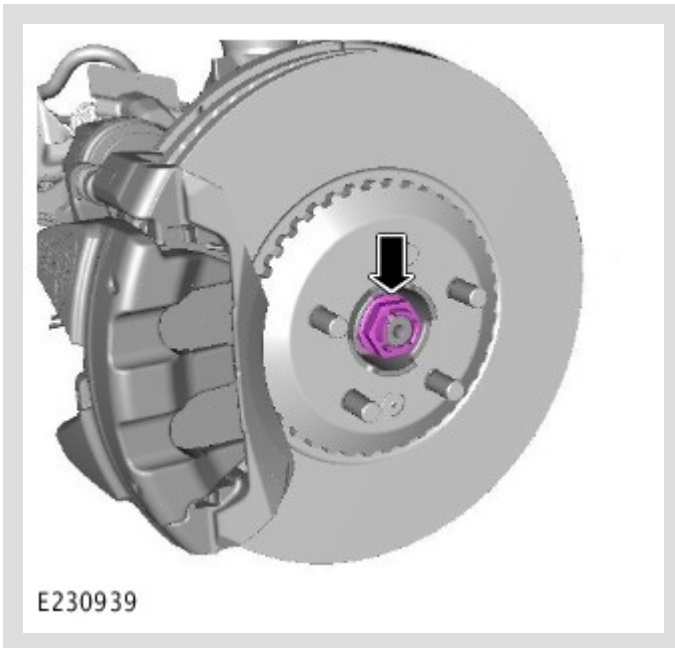
Torque: 140Nm

11.

- Install the air duct.

Torque: 10Nm

12.



- Apply and hold the footbrake.
- Tighten the halfshaft nut.
Torque: 290Nm
- Remove and discard the original halfshaft nut.
- Install a new halfshaft nut.
Renew Part: [Front halfshaft nut](#) Quantity: 1.
Torque
Stage1: **120Nm**
Stage2: **60°**

13. Check and top up the front differential oil.

14. Install the wheel and tire.

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

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

General Equipment: [Jaguar Land Rover approved diagnostic equipment](#)