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2020.0 DEFENDER (LE), 204-01

FRONT SUSPENSION

LEFT UPPER CONTROL ARM (G2417629)

mcx30.com

REMOVAL AND INSTALLATION

SPECIAL TOOL(S)



E145966

JLR-204-803

Splitter, Upper Arm

GENERAL EQUIPMENT

EQUIPMENT NAME
Jaguar Land Rover approved diagnostic equipment

PART(S)

STEP	PART NAME	QUALIFICATION	QUANTITY
Step 1	Front suspension upper arm to body nuts and bolts	All vehicles	2
Step 1	Front suspension upper arm ball joint to knuckle nut and bolt	All vehicles	1

REMOVAL

⚠ CAUTION:

Nuts and bolts must be tightened with vehicle at normal ride height. Failure to follow this instruction may result in damage to the component.



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.

The following step(s) applies to:

Vehicles with air suspension

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

The following step(s) applies to:

Vehicles with 2.0L diesel engine

2. Remove the fuel filter.
Refer to: [Fuel Filter](#) (310-01C Fuel Tank and Lines - INGENIUM I4 2.0L Diesel, Removal and Installation).

The following step(s) applies to:

All vehicles

3. Remove the air filter housing.
Refer to: [Air Filter Housing](#) (303-12A Intake Air Distribution and Filtering - INGENIUM I4 2.0L Diesel, Removal and Installation).
Refer to: [Air Filter Housing](#) (303-12B Intake Air Distribution and Filtering - INGENIUM I4 2.0L Petrol /INGENIUM I4 2.0L Petrol - PHEV, Removal and Installation).
Refer to: [Air Filter Housing](#) (303-12C Intake Air Distribution and Filtering - INGENIUM I6 3.0L Petrol, Removal and Installation).

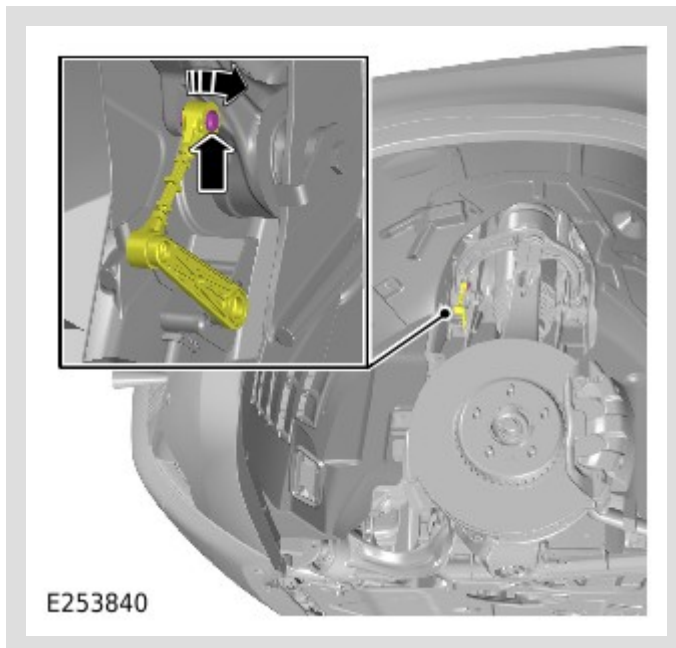
4. Raise and support the vehicle on a suitable 2-post lift.
Refer to: [Jacking and Lifting](#) (100-02 Jacking and Lifting, Description and Operation).

5. Remove the left wheel and tire assembly.
Refer to: [Wheel and Tire](#) (204-04 Wheels and Tires, Removal and Installation).

6.

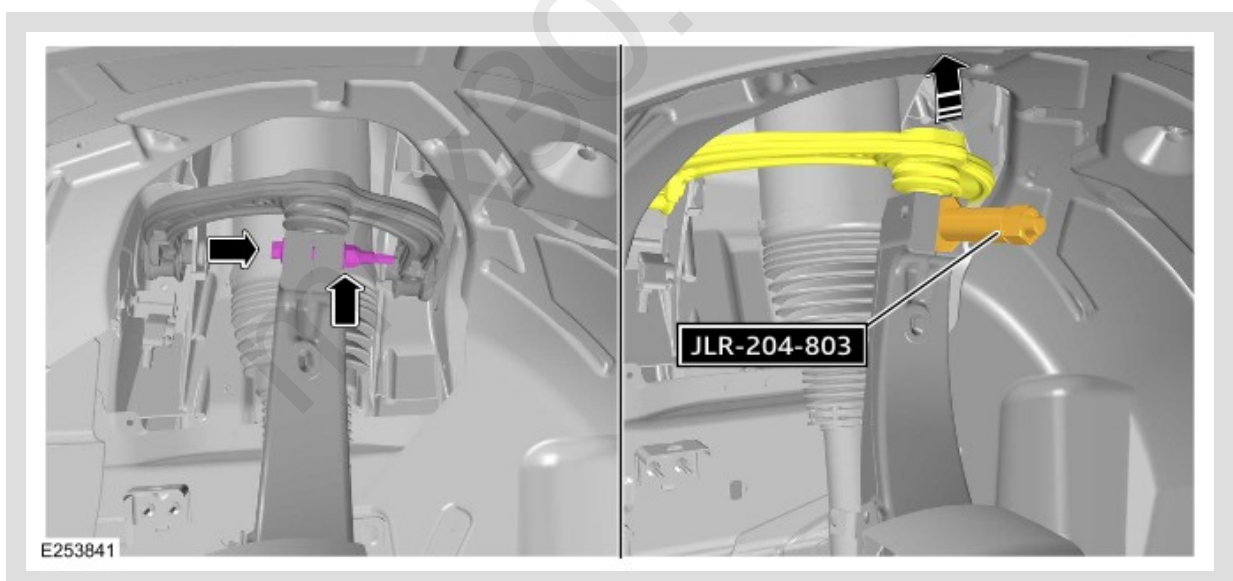
⚠ CAUTION:

Do not use excessive force to release the height sensor.



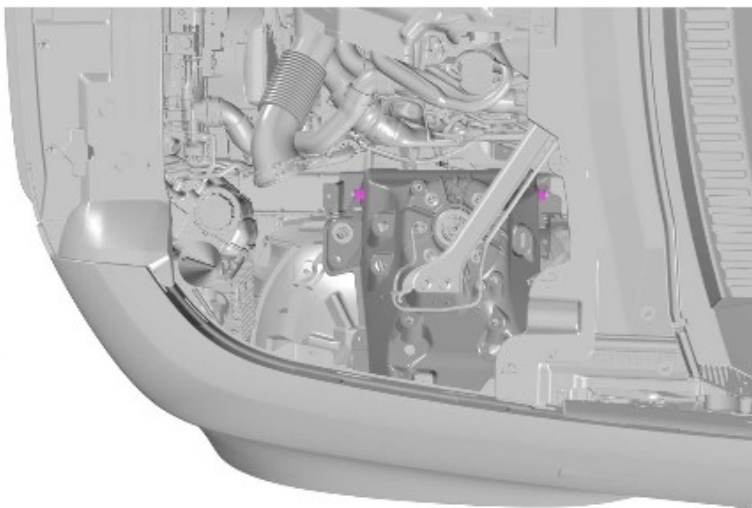
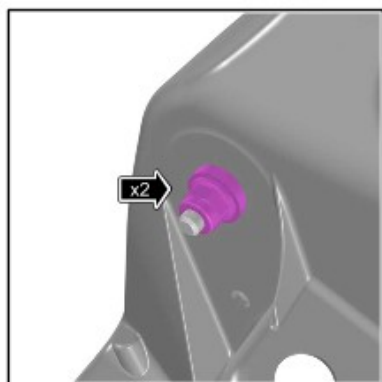
Release the height sensor from the left upper control arm.

7.



- Remove and discard the nut and bolt.
- Use the special tool to release the left upper control arm ball joint from the wheel knuckle.
Special Tool(s): [JLR-204-803](#)
- Release the left upper control arm.

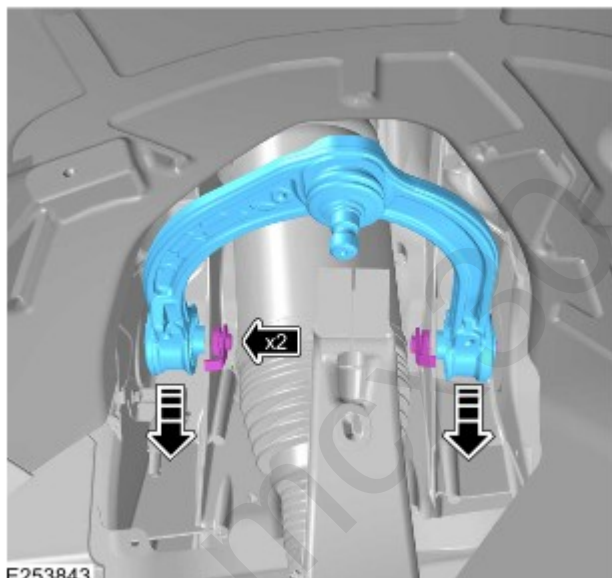
8.



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Remove the 2 nuts.

9.



E253843

- Remove the 2 bolts.
- Remove the left upper control arm.

INSTALLATION

The following step(s) applies to:
All vehicles

1.

- Install the left upper control arm.
- Install the 2 left upper control arm to body bolts.
Renew Part: [Front suspension upper arm to body nuts and bolts](#) Quantity: 2.
- Connect the left upper suspension arm ball joint to the wheel knuckle.
- Install and tighten the left upper control arm to wheel knuckle nut and the bolt.
Renew Part: [Front suspension upper arm ball joint to knuckle nut and bolt](#) Quantity: 1.
Torque: 70Nm
- Secure the height sensor link to the left upper control arm.

2.

 CAUTION:

Nuts must be tightened with vehicle at normal ride height.

Install and tighten the 2 left upper control arm to body nuts.

Torque: 60Nm

3.

Install the left wheel and tire assembly.

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

4.

Install the air filter housing.

Refer to: [Air Filter Housing](#) (303-12A Intake Air Distribution and Filtering - INGENIUM I4 2.0L Diesel, Removal and Installation).

Refer to: [Air Filter Housing](#) (303-12B Intake Air Distribution and Filtering - INGENIUM I4 2.0L Petrol /INGENIUM I4 2.0L Petrol - PHEV, Removal and Installation).

Refer to: [Air Filter Housing](#) (303-12C Intake Air Distribution and Filtering - INGENIUM I6 3.0L Petrol, Removal and Installation).

The following step(s) applies to:

Vehicles with 2.0L diesel engine

5.

Install the fuel filter.

Refer to: [Fuel Filter](#) (310-01C Fuel Tank and Lines - INGENIUM I4 2.0L Diesel, Removal and Installation).

The following step(s) applies to:

Vehicles with air suspension

6. Use the JLR approved diagnostic system, to pressurize the air suspension.

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

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

7. Use the JLR approved diagnostic system, to calibrate the suspension ride height.

Refer to: [Ride Height Adjustments](#) (204-05 Vehicle Dynamic Suspension, General Procedures).

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