

PUBLISHED: 10-JAN-2020
2020.0 DEFENDER (LE), 204-02

REAR SUSPENSION

LOWER CONTROL ARM – VEHICLES WITH: AIR SUSPENSION (G2422705)

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REMOVAL AND INSTALLATION

PART(S)

STEP	PART NAME	QUANTITY
Installation Step 1	Rear lower arm to knuckle nut	1
Installation Step 2	Rear lower arm to subframe nut and bolt	2
Installation Step 3	Rear lower arm to knuckle bolt	1
Installation Step 4	Rear lower arm to knuckle nut and bolt	2
Installation Step 5	Stabilizer bar link lower nut	1

REMOVAL

⚠ CAUTION:

Nuts and bolts must be tightened with vehicle at normal ride height.

△ NOTES:

- This procedure contains illustrations for left side components, right side components are similar.
- 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).

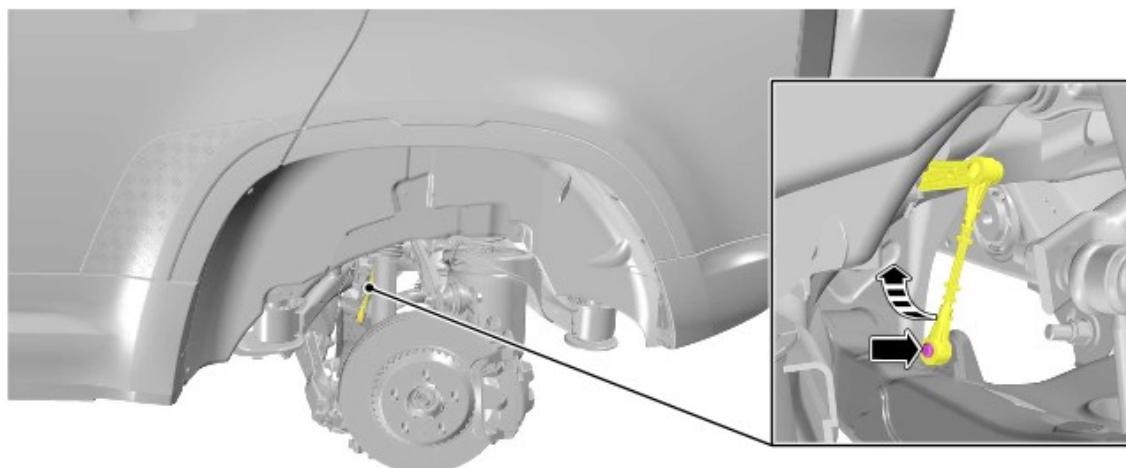
2. ⚠ CAUTION:

This step must be completed in order to maintain the correct air suspension compressor/dryer performance.

Use the Jaguar Land Rover (JLR) approved diagnostic system, to pressurize the rear left air spring.
Refer to: [Air Suspension System Depressurize and Pressurize](#) (204-05 Vehicle Dynamic Suspension, General Procedures).

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

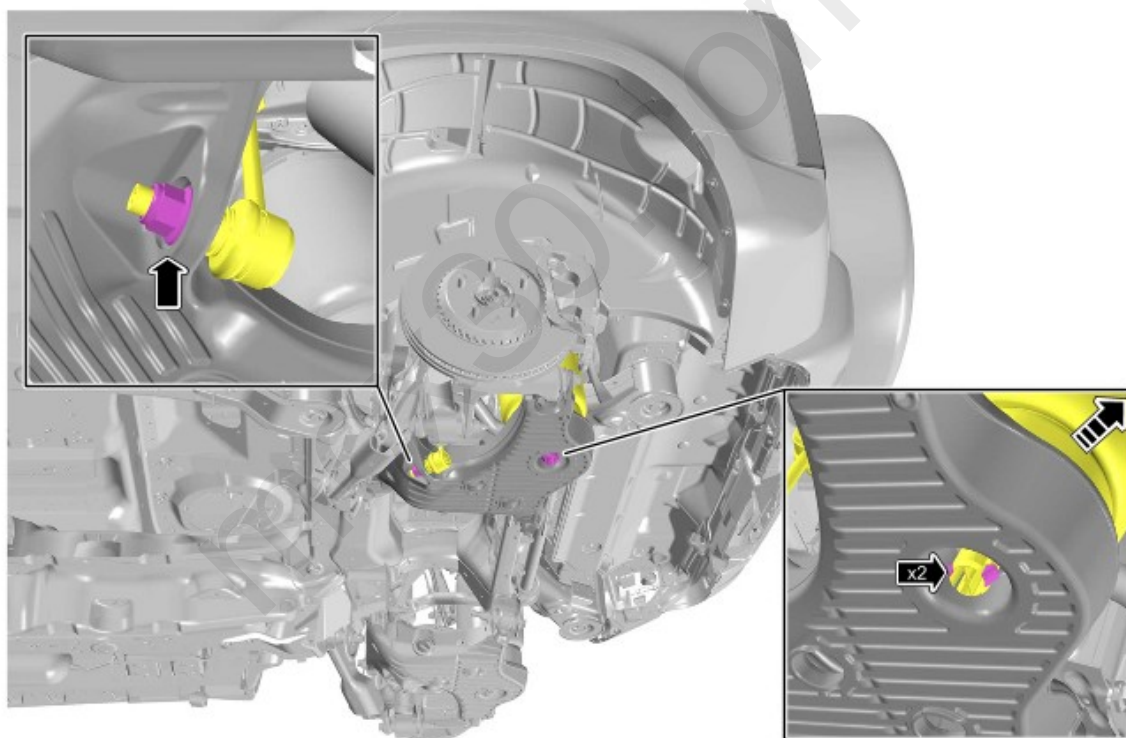
4.



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Release the height sensor from the lower control arm.

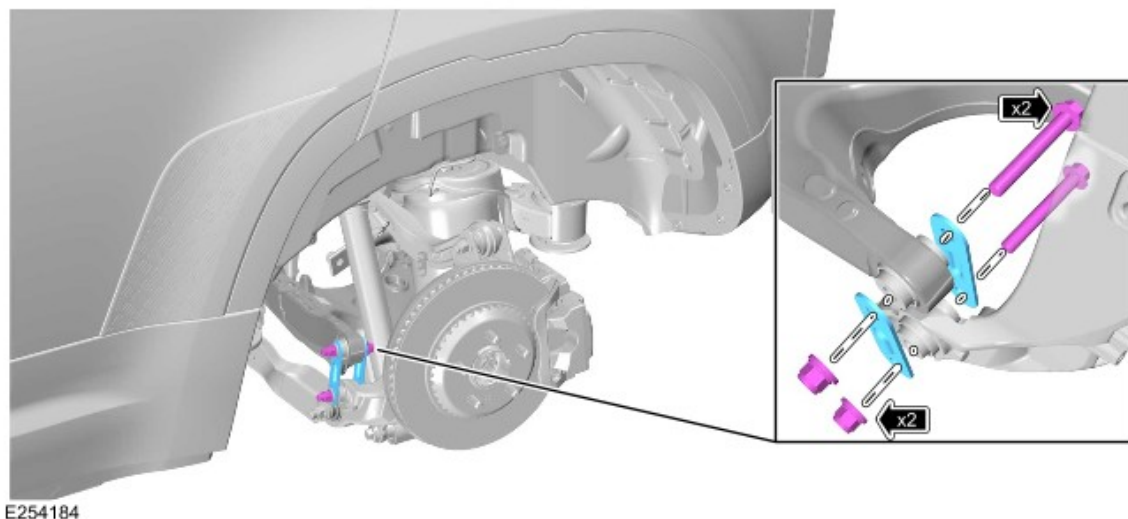
5.



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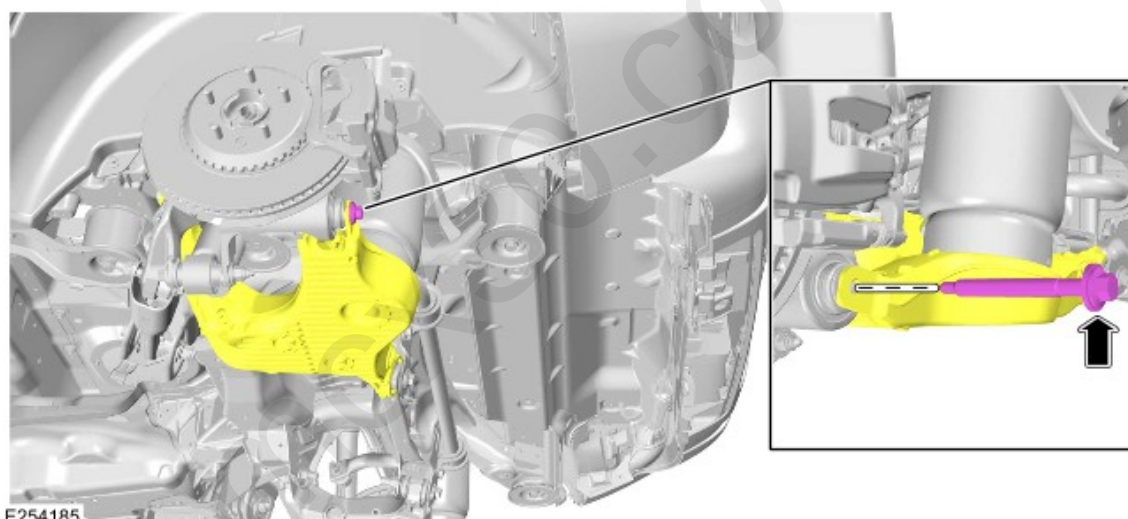
- Remove and discard the nut.
- Release the stabilizer bar link from the lower control arm.
- Release the rear air spring from the lower control arm.

6.



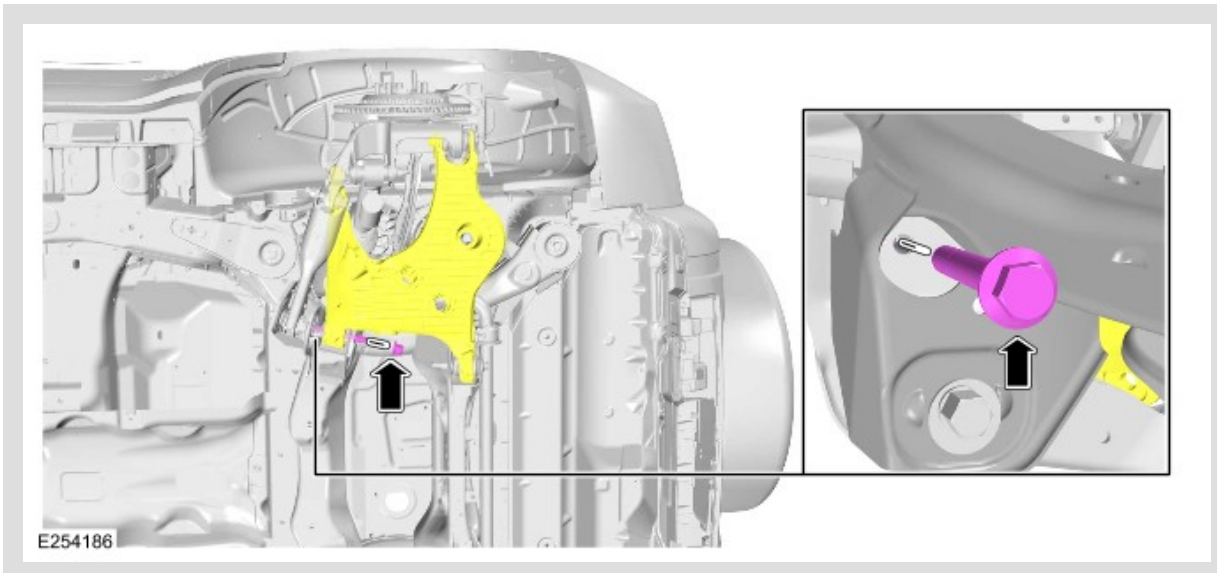
- Remove and discard the 2 nuts and bolts.
- Remove the 2 lower control arm to wheel knuckle links.

7.



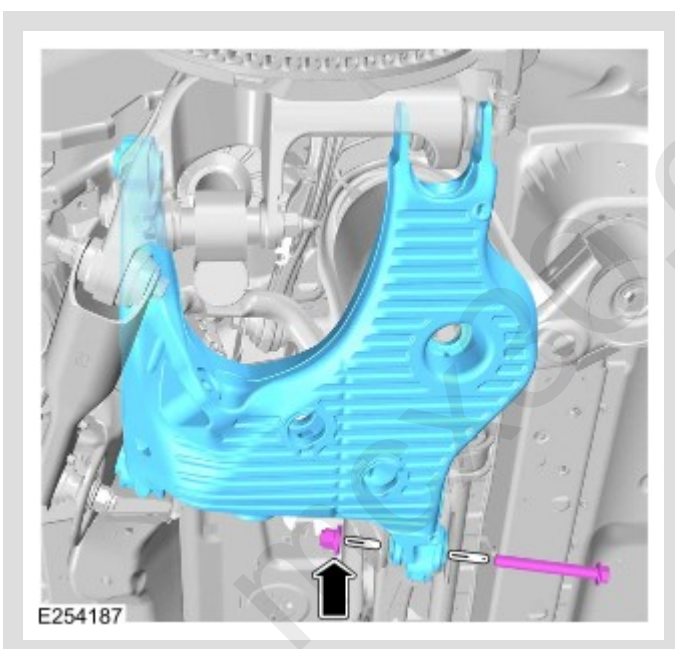
Remove and discard the bolt.

8.

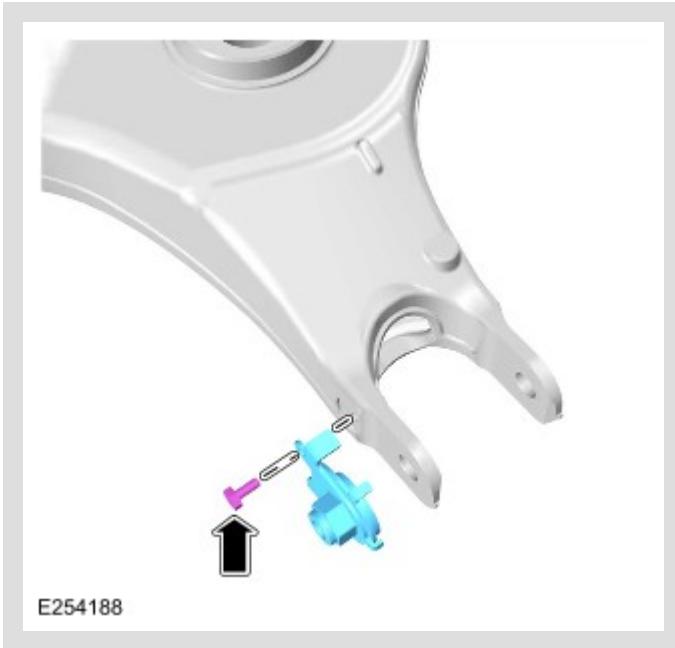


Remove and discard the nut and bolt.

9.



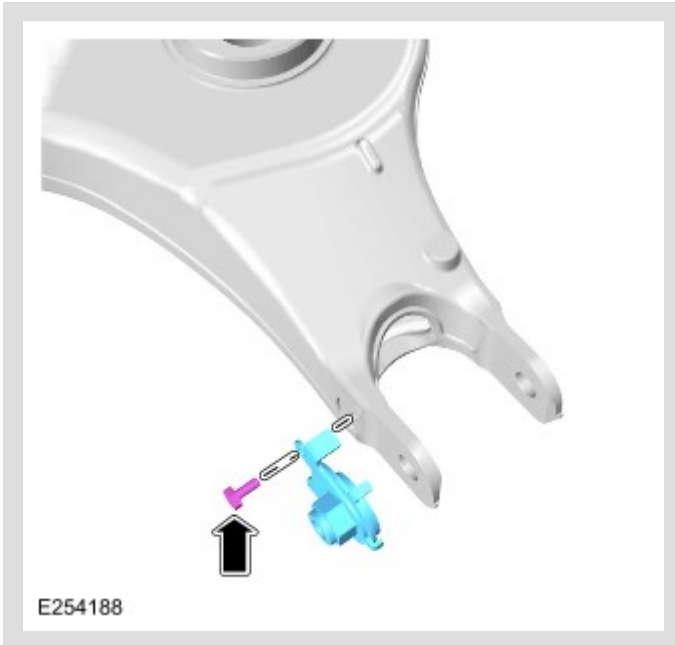
- Remove and discard the nut and bolt.
- Remove the lower control arm.



- Remove the bolt.
- Remove and discard the nut from the lower control arm.

INSTALLATION

1.

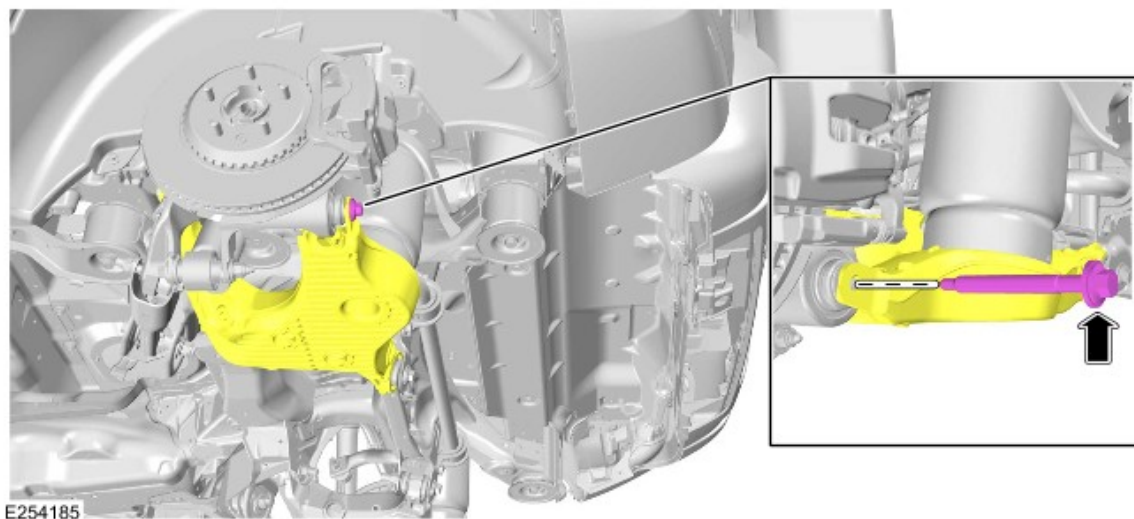


- Install the nut to the lower control arm.
Renew Part: [Rear lower arm to knuckle nut](#) Quantity: 1.
- Install and tighten the bolt.
*Torque: **6Nm***

2.

- Install the lower control arm.
- Install the 2 lower control arm to subframe bolts and nuts.
Renew Part: [Rear lower arm to subframe nut and bolt](#) Quantity: 2.
Torque
Stage1: **100Nm**
Stage2: **240°**

3.



Install and tighten the bolt.

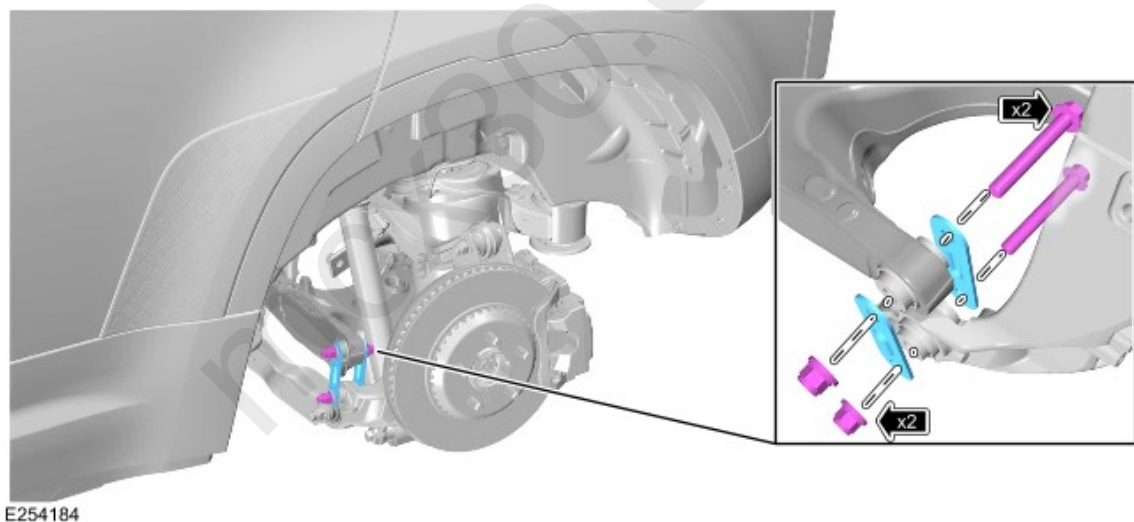
Renew Part: *Rear lower arm to knuckle bolt* Quantity: 1.

Torque

Stage1: **70Nm**

Stage2: **240°**

4.



■ Install the 2 lower control arm to wheel knuckle links.

■ Install and tighten the 2 new nuts and bolts.

Renew Part: *Rear lower arm to knuckle nut and bolt* Quantity: 2.

Torque

Stage1: **50Nm**

Stage2: **180°**

5.

- Connect the stabilizer link to the lower control arm.
- Install and tighten the nut.
Renew Part: [Stabilizer bar link lower nut](#) Quantity: 1.
*Torque: **185Nm***
- Secure the rear air spring to the lower control arm.
- Secure the height sensor link to the lower control arm.

6.

 CAUTION:

This step must be completed in order to maintain the correct air suspension compressor/dryer performance.

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).

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).