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2020.0 DEFENDER (LE), 204-02

REAR SUSPENSION

LOWER CONTROL ARM – VEHICLES WITH: COIL SUSPENSION (G2524409)

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REMOVAL AND INSTALLATION

GENERAL EQUIPMENT

EQUIPMENT NAME
Transmission jack

PART(S)

STEP	PART NAME	QUANTITY
Installation Step 2	Rear lower arm to knuckle nut and bolt	1
Installation Step 3	Rear lower arm to subframe nut and bolt	2
Installation Step 5	Rear lower arm to knuckle nut and bolt	1
Installation Step 6	Stabilizer bar link lower nut	1
Installation Step 7	Rear lower arm to knuckle nut and bolt	1
Installation Step 8	Tie-rod nut and bolt	1
Installation Step 9	Shock absorber to wheel knuckle mounting nut and bolt	1

REMOVAL



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.

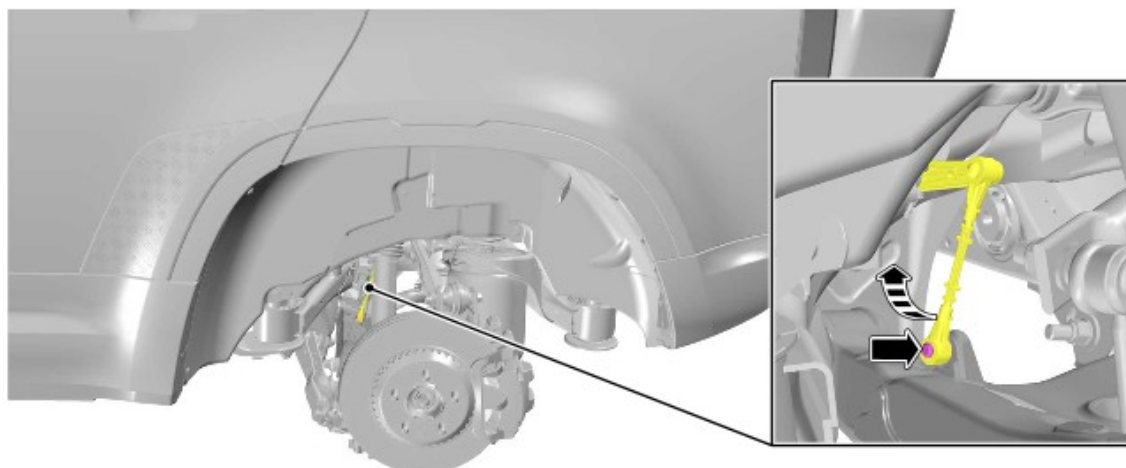
Refer to: [Jacking and Lifting](#) (100-02 Jacking and Lifting, Description and Operation).

2.

Remove the rear wheel tire and assembly.

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

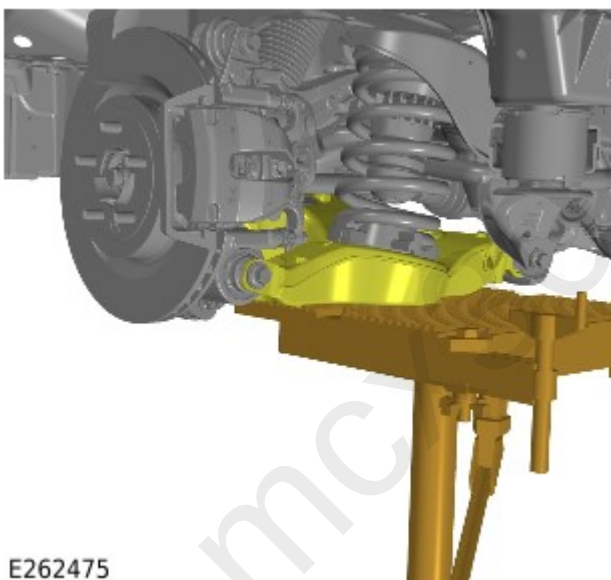
3.



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Release the height sensor from the rear lower control arm.

4.

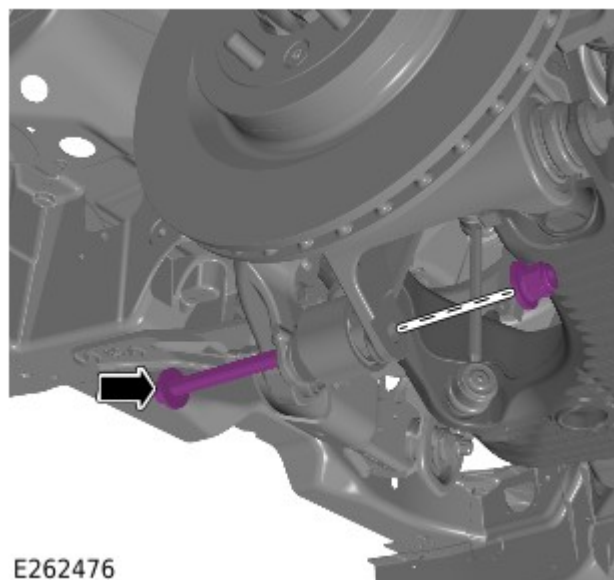


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Use a suitable stand to support the lower control arm.

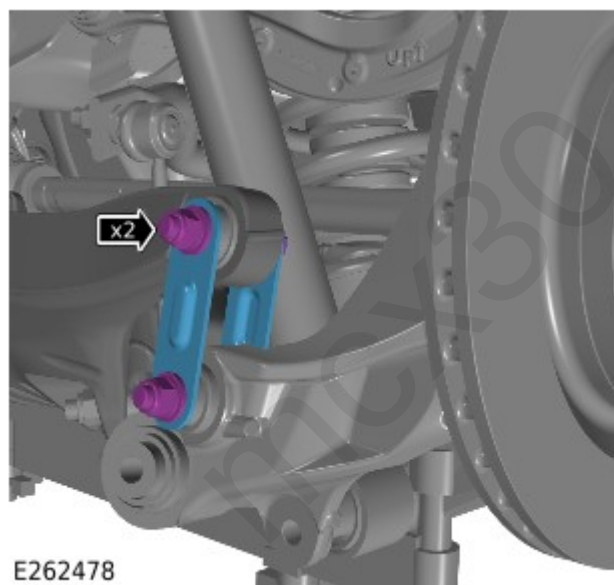
General Equipment: [Transmission jack](#)

5.



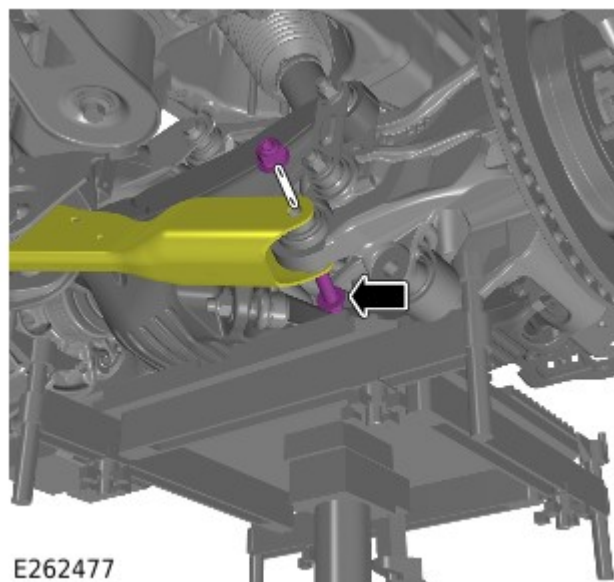
Remove and discard the shock absorber to wheel knuckle nut and bolt.

6.



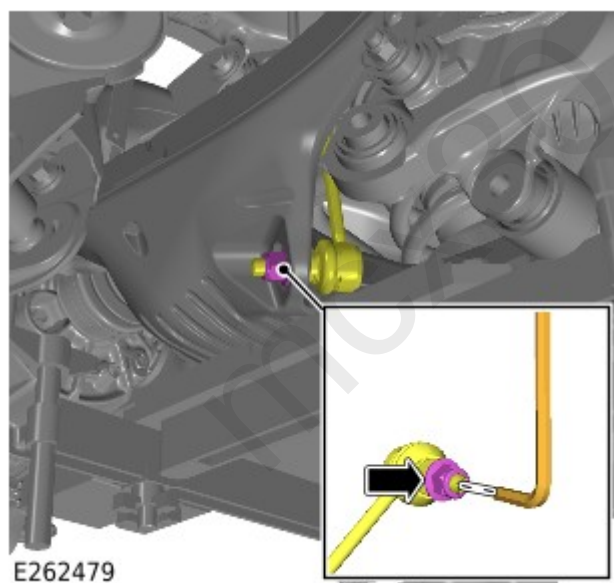
Remove and discard the 2 integral link nuts and bolts.

7.



- Remove and discard the tie-rod to wheel knuckle nut and bolt.
- Release the tie-rod from the wheel knuckle assembly.

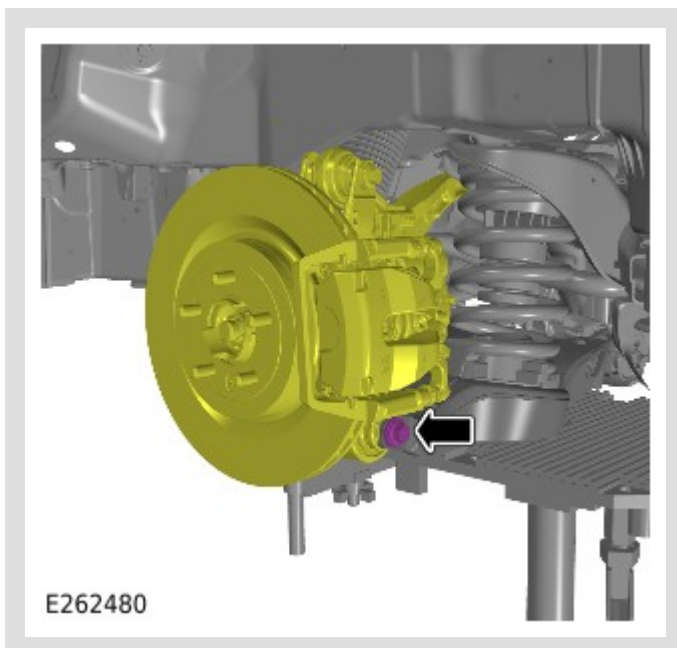
8.



- Remove and discard the nut.
- Release the stabilizer bar link.

ⓘ CAUTION:

Make sure that during the release of the wheel knuckle assembly, the halfshaft is not released from the differential.

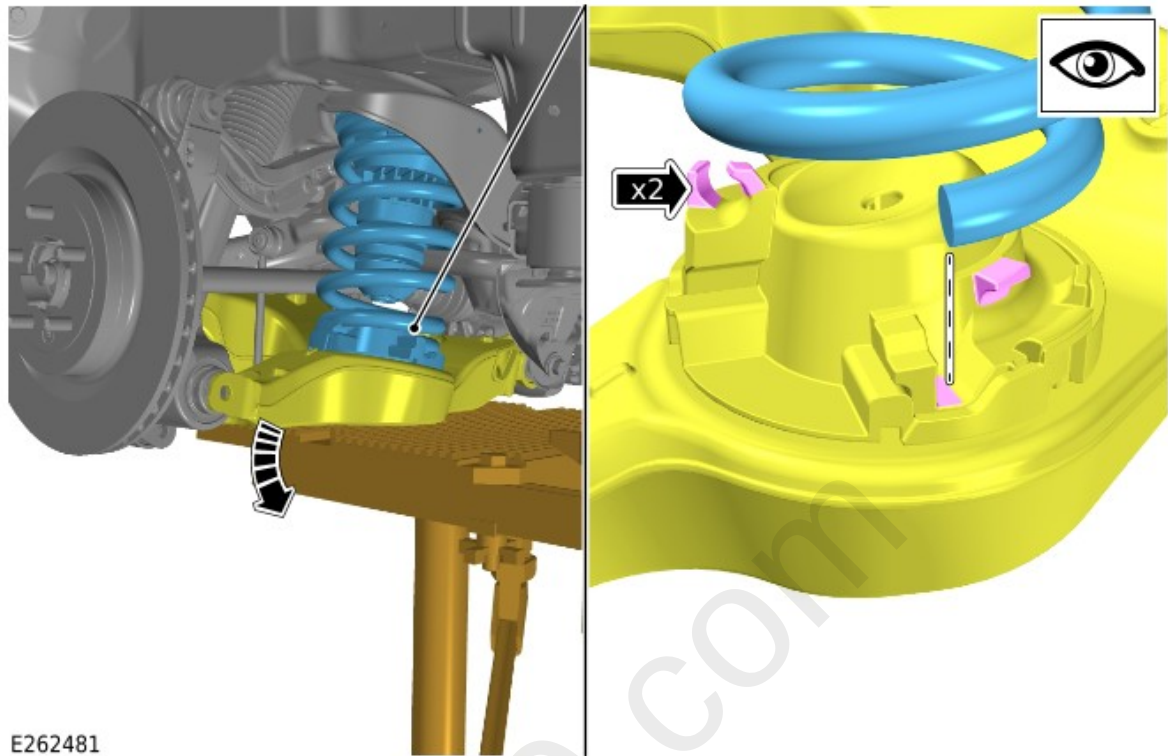


- Remove and discard the bolt.
- Release the wheel knuckle assembly.

10.

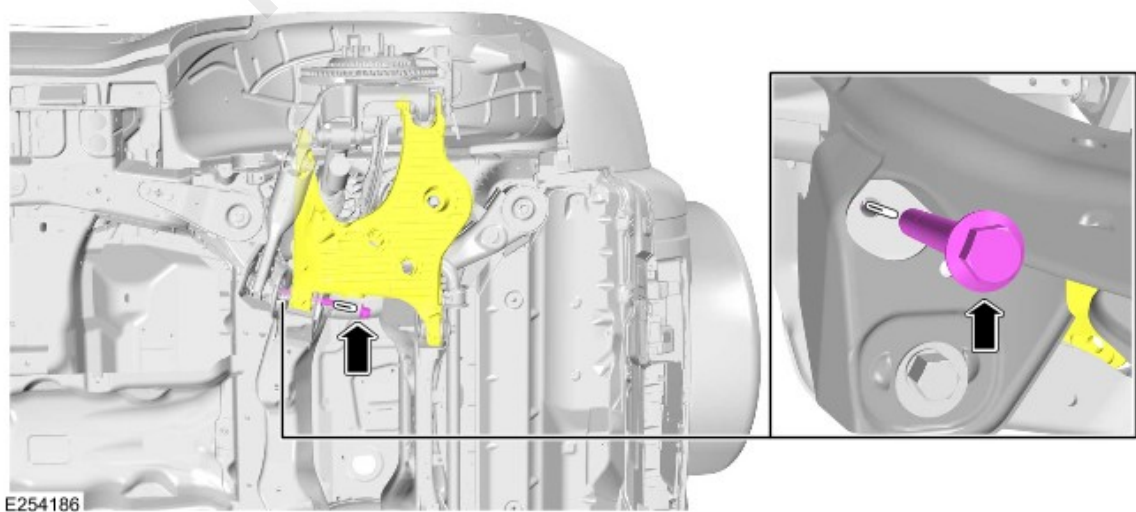
 NOTE:

Note the orientation of the component prior to removal.



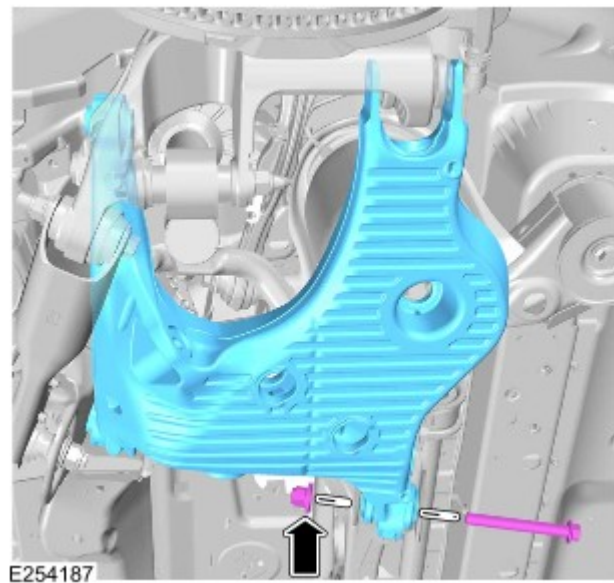
- Carefully lower the transmission jack to release the coil spring.
General Equipment: [Transmission jack](#)
- Release the coil spring from the 2 lower seat clips.
- Remove the coil spring.

11.



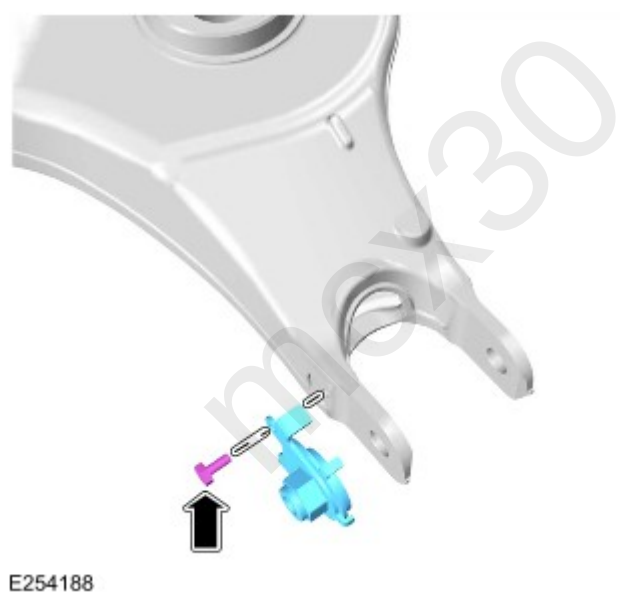
Remove and discard the nut and bolt.

12.



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

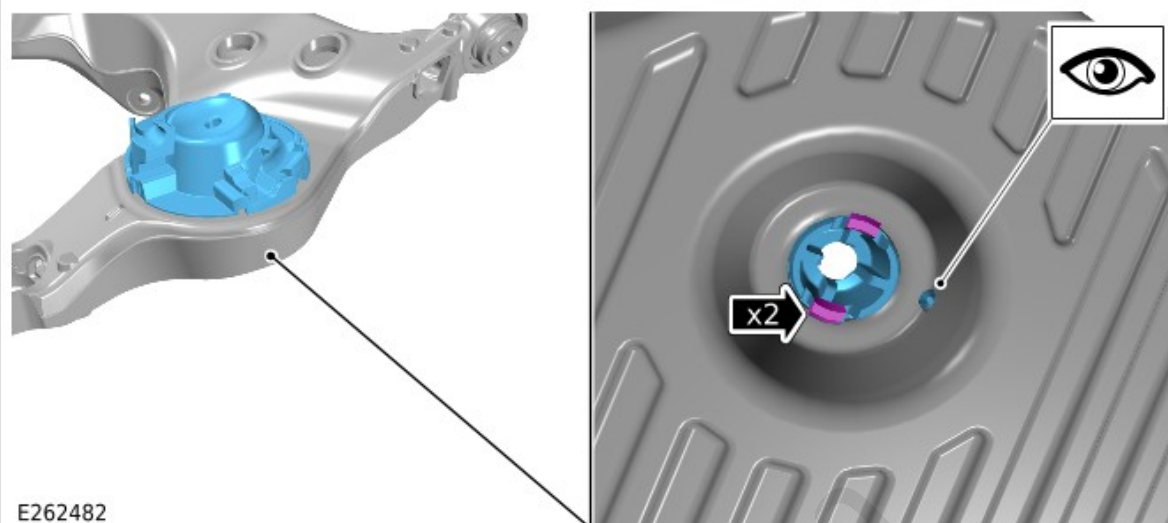
13.



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

 NOTE:

Note the orientation of the component.



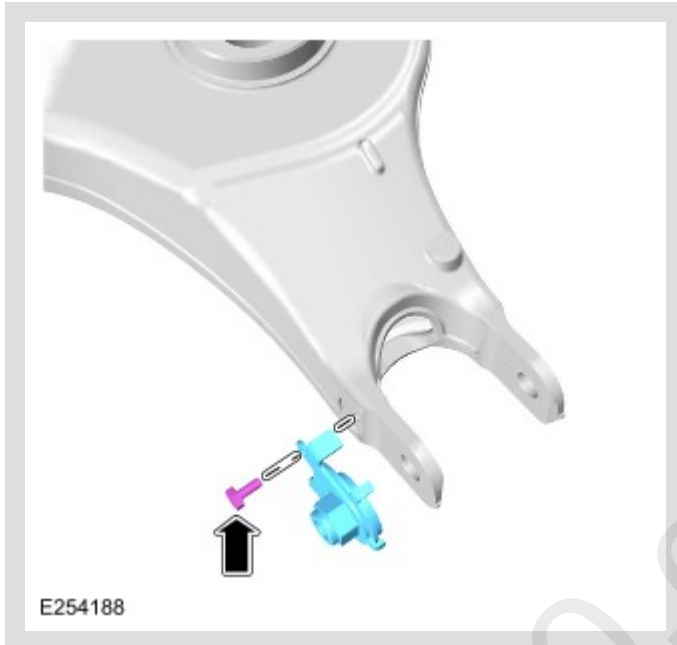
- Release the 2 clips.
- Remove the coil spring lower seat.

INSTALLATION

1.

- Install the coil spring lower seat to lower control arm.
- Install the 2 clips.

2.



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

3.

- 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°**

4.

- Install the coil spring.
- Install the 2 clips.
- Carefully reposition the lower control arm with the transmission jack.

5.

⚠ CAUTION:

Only tighten the nuts and bolts when the suspension is at the normal ride height. Failure to follow this instruction may result in damage to the vehicle.

- Install the wheel knuckle assembly.
- Install and tighten the bolt.

Renew Part: [Rear lower arm to knuckle nut and bolt](#) Quantity: 1.

Torque

Stage1: **70Nm**

Stage2: **240°**

6.

⚠ CAUTION:

Only tighten the nuts and bolts when the suspension is at the normal ride height. Failure to follow this instruction may result in damage to the vehicle.

- Reposition the stabilizer bar link.
- Install and tighten the stabilizer bar link new nut.

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

*Torque: **185Nm***

7.

- Install 2 new integral link bolts and nuts.

Renew Part: [Rear lower arm to knuckle nut and bolt](#) Quantity: 1.

Torque

Stage1: **50Nm**

Stage2: **180°**

8.

Install the tie-rod to the wheel knuckle assembly.

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

Torque

Stage1: **70Nm**

Stage2: **240°**

9.

Install the shock absorber new nut and bolt to wheel knuckle.

Renew Part: [Shock absorber to wheel knuckle mounting nut and bolt](#) Quantity: 1.

*Torque: **170Nm***

10.

Install the height sensor link.

11.

Install the rear wheel and tire.

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

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12. Use approved Jaguar Land Rover (JLR) wheel alignment equipment to inspect the wheel alignment and adjust if required.

Refer to: [Wheel Alignment](#) (204-00 Suspension System - General Information, General Procedures).

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