

PUBLISHED: 10-JAN-2020
2020.0 DEFENDER (LE), 206-04

REAR DISC BRAKE

BRAKE DISC – VEHICLES WITH: 350MM BRAKE DISC (G2423920)

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REMOVAL AND INSTALLATION

MATERIALS

NAME	SPECIFICATION
Brake Cleaner	3U7J-2C410-AA

GENERAL EQUIPMENT

EQUIPMENT NAME
Jaguar Land Rover approved diagnostic equipment

PART(S)

STEP	PART NAME	QUANTITY
Installation Step 4	Brake disc bolt	1
Installation Step 5	Brake caliper carrier bolt(s)	2

REMOVAL



WARNING:

If installing a new brake disc, install new brake pads.



CAUTION:

Brake discs must be renewed in pairs.



NOTE:

- 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.

1.

- Connect the Jaguar Land Rover (JLR) approved diagnostic equipment and set the Integrated Power Brake to the assembly mode.

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

- Set the Electric Park Brake (EPB) to the maintenance position.

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

2.



WARNING:

Take extra care that the brake pedal is not pressed during the replacement procedure. Failure to follow this instruction might result in personal injury.



NOTE:

This step is only required if the JLR diagnostic equipment is not available.

Set the EPB to the maintenance position.

Refer to: [Electric Park Brake Service Mode Activation and Deactivation](#) (206-05 Parking Brake and Actuation, General Procedures).

3.

Raise and support the vehicle on a suitable 2 post lift.

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

4.

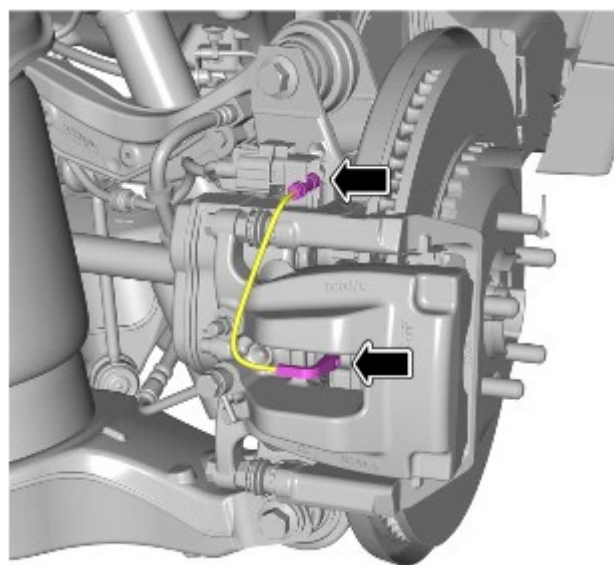
Remove the rear wheels and tires.

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

5.

NOTE:

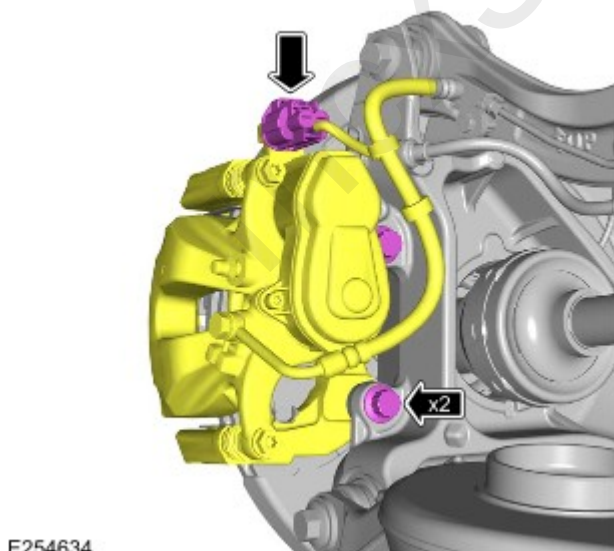
Right side only.



E254710

- Release the grommet.
- Disconnect the brake pad wear sensor from the brake pad.

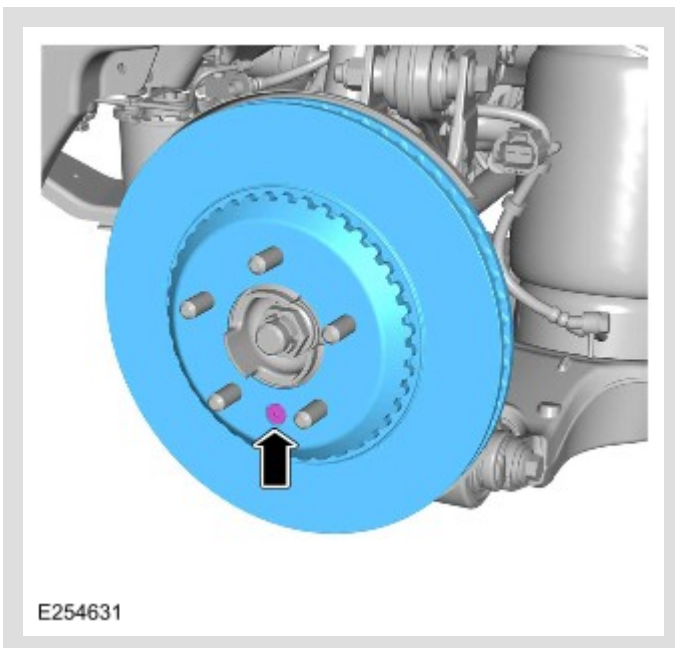
6.



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- Disconnect the EPB electrical connector.
- Remove and discard the 2 bolts.
- Release the brake caliper and tie aside.

7.



Remove and discard the bolt.

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INSTALLATION

1.

⚠ CAUTION:

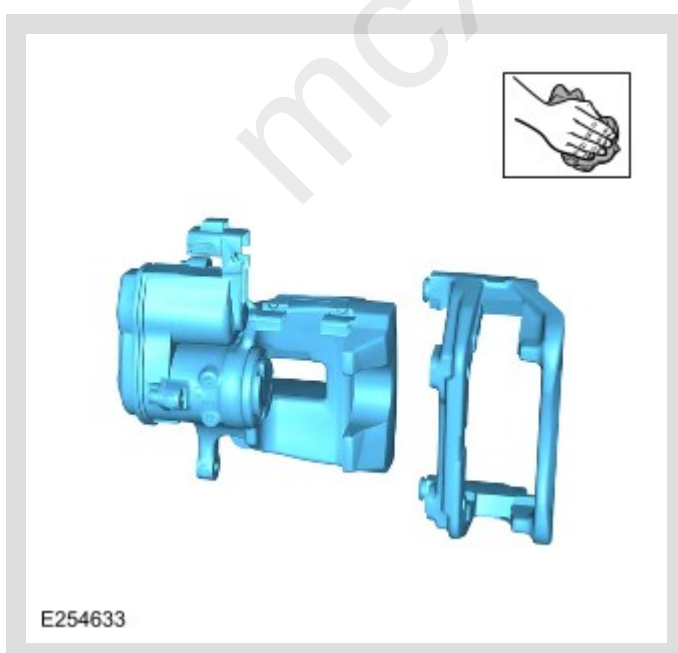
Damaged components must be replaced.



Use brake cleaner fluid to clean the brake disc shield.

Material: [Brake Cleaner \(3U7J-2C410-AA\)](#)

2.



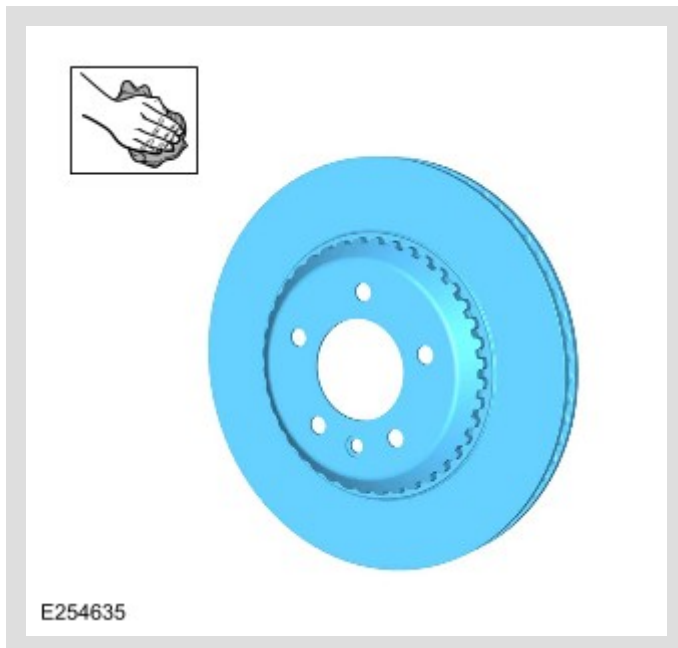
Use brake cleaner fluid to clean the brake caliper assembly.

Material: [Brake Cleaner \(3U7J-2C410-AA\)](#)

3.

⚠ CAUTION:

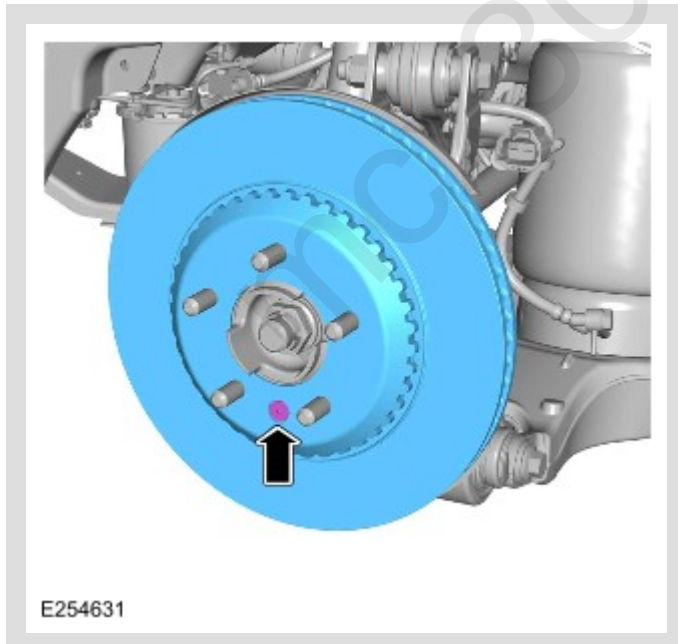
Make sure that the mating faces are clean and free of foreign material.



Use brake cleaner fluid to clean the brake disc.

Material: [Brake Cleaner \(3U7J-2C410-AA\)](#)

4.

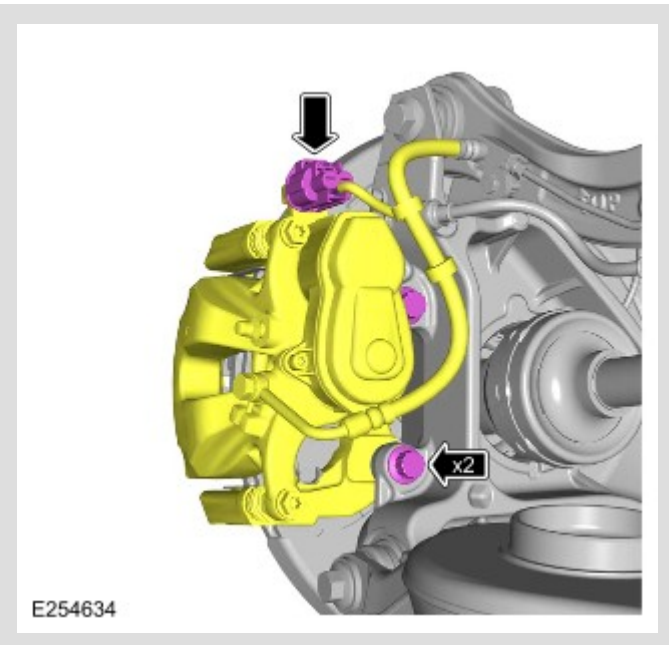


- Install the brake disc.
- Install and tighten a new bolt.

Renew Part: [Brake disc bolt](#) Quantity: 1.

Torque: 10Nm

5.

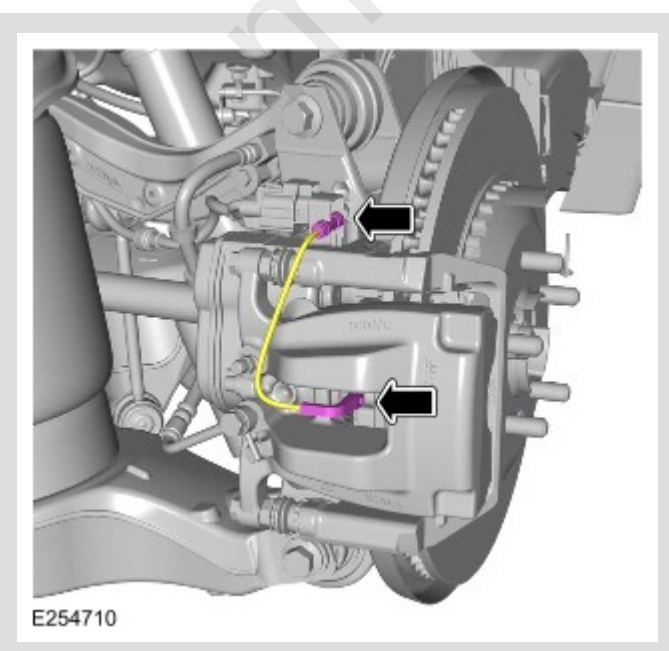


- Install the brake caliper.
- Install and tighten the 2 bolts.
Renew Part: [Brake caliper carrier bolt\(s\)](#) Quantity: 2.
Torque
 Stage1: **110Nm**
 Stage2: **120°**
- Connect the EPB actuator electrical connector.

6.

NOTE:

Right side only.



Connect and secure the brake pad wear sensor.

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7. Press the brake pedal several times, check the fluid level in the brake fluid reservoir and top-up with brake fluid if necessary.

Refer to: [Specifications](#) (206-00 Brake System - General Information, Specifications).

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8. Install the wheel and tire.

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

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9.  **NOTE:**

This step is only required if the JLR diagnostic equipment is not available.

Disable the EPB maintenance mode.

Refer to: [Electric Park Brake Service Mode Activation and Deactivation](#) (206-05 Parking Brake and Actuation, General Procedures).

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10.
 - Connect the JLR approved diagnostic equipment and disable the Integrated Power Brake assembly mode.
General Equipment: [Jaguar Land Rover approved diagnostic equipment](#)
 - Calibrate the EPB using the JLR approved diagnostic equipment.
General Equipment: [Jaguar Land Rover approved diagnostic equipment](#)