

PUBLISHED: 29-JUN-2020
2020.0 DEFENDER (LE), 206-04

REAR DISC BRAKE

BRAKE PADS – VEHICLES WITH: 325MM BRAKE DISC (G2344709)

mcx30.com

REMOVAL AND INSTALLATION

SPECIAL TOOL(S)



206-080

206-080

Brake caliper piston retractor tool

MATERIALS

NAME	SPECIFICATION
Brake Cleaner	3U7J-2C410-AA

GENERAL EQUIPMENT

EQUIPMENT NAME
Jaguar Land Rover approved diagnostic equipment

REMOVAL

ⓘ CAUTIONS:

- Brake discs must be renewed in axle sets.
- The brake pad wear sensor must be replaced each time the brake pads are serviced.



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 for left side components, right side components are similar.
- This procedure contains illustrations showing certain components removed to provide extra clarity.

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.

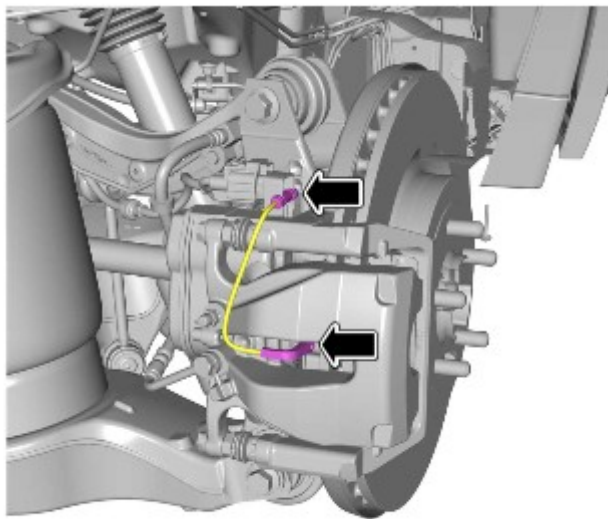
Remove the rear wheels and tires.

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

5.

 NOTE:

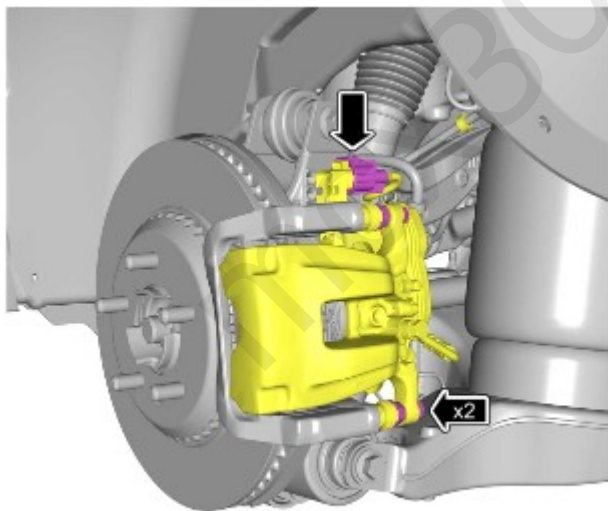
Right side only.



E254623

Disconnect and release the brake pad wear sensor.

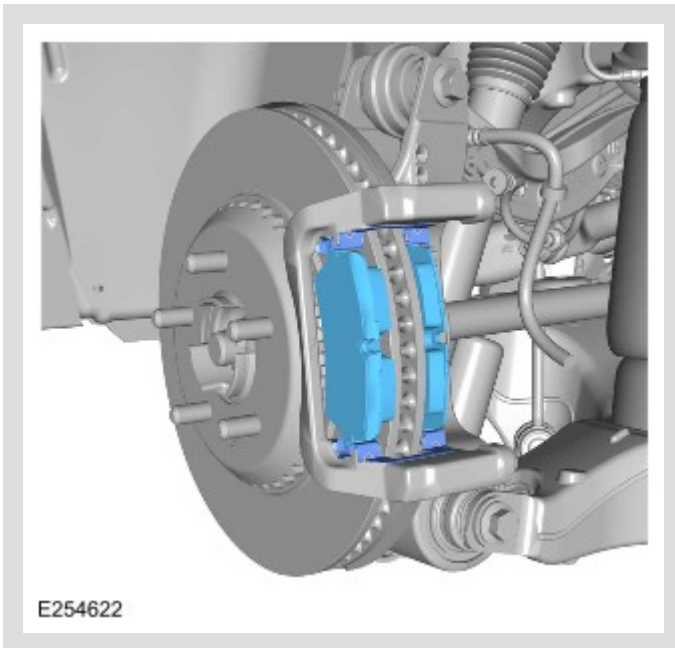
6.



E254621

- Disconnect the electrical connector.
- Remove the 2 brake caliper guide pins.
- Release the brake caliper and tie aside.

7.



- Remove the brake pads.
- Remove the 2 anti-rattle springs.

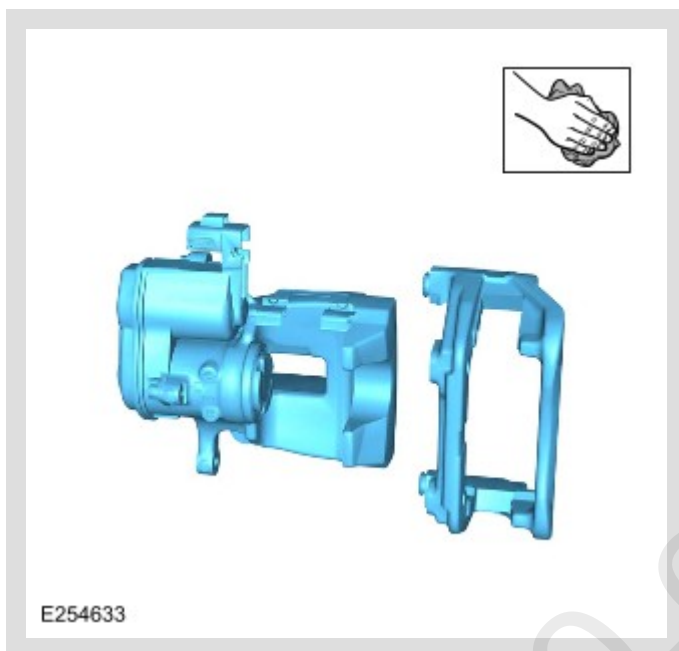
8.

Repeat the above procedure for the other side components.

1.

⚠ CAUTION:

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



Use brake cleaner to clean the brake caliper housing and brake caliper carrier.

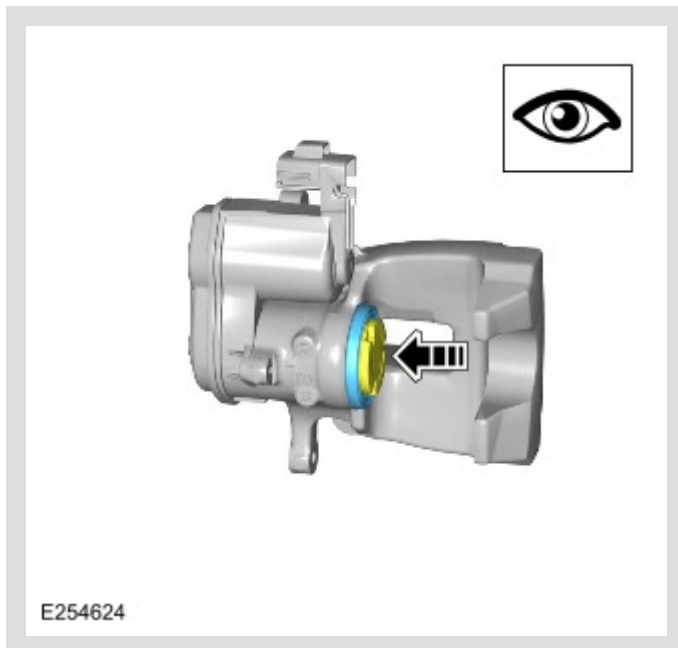
Material: [Brake Cleaner \(3U7J-2C410-AA\)](#)

2.



WARNING:

If the brake caliper piston seal is damaged a new brake caliper must be installed.



- Inspect the caliper piston seals for damage.
- Use a suitable tool to fully retract the brake caliper piston.
Special Tool(s): [206-080](#)

3.

- Install the 2 anti-rattle springs.
- Install the 2 brake pads.

4.

- Position the brake caliper.
- Install and tighten the 2 brake caliper guide pins.
Torque: **35Nm**
- Connect the electrical connector to the EPB.

5.

Repeat the above procedure for the other side components.

6.



NOTE:

Right side only.

Connect and secure the brake pad wear sensor.

7.

Install the rear wheels and tires.

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

 CAUTION:

Failure to follow this instruction may lead to brake warning lamps and Diagnostic Trouble Code(s) (DTC) being set.

1.



NOTE:

Although the brake pedal might feel firm make sure to hold the pedal through the 10 second period.

If the Integrated Power Brake unit - 'Assembly Mode' has not been activated, press and hold the brake pedal in a single apply for 10 seconds.

2. If the brake pedal felt soft and fell to the floor proceed to **substep 4**.
3. If the brake pedal felt firm proceed to **substep 5**.

4.



NOTE:

Make sure to repeatedly press the brake pedal until a firm brake pedal feel is reached.

If the Integrated Power Brake unit - 'Assembly Mode' has been activated, press the brake pedal several times until a firm brake pedal feel is reached.

5. 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).



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).

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