

PUBLISHED: 10-JAN-2020
2020.0 DEFENDER (LE), 206-03

FRONT DISC BRAKE

BRAKE CALIPER 4 PISTON FIXED CALIPER (G2414127)

mcx30.com

REMOVAL AND INSTALLATION

GENERAL EQUIPMENT

EQUIPMENT NAME
Jaguar Land Rover approved diagnostic equipment

PART(S)

STEP	PART NAME	QUANTITY
Installation Step 2	Brake caliper carrier bolt(s)	2
Installation Step 3	Brake hose	1

REMOVAL

⚠ CAUTION:

Before disconnecting any components, make sure the area is clean and free from foreign material. When disconnected all openings must be sealed.

△ 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. Use the Jaguar Land Rover (JLR) approved diagnostic equipment to activate the Integrated Power Brake assembly mode.

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

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

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

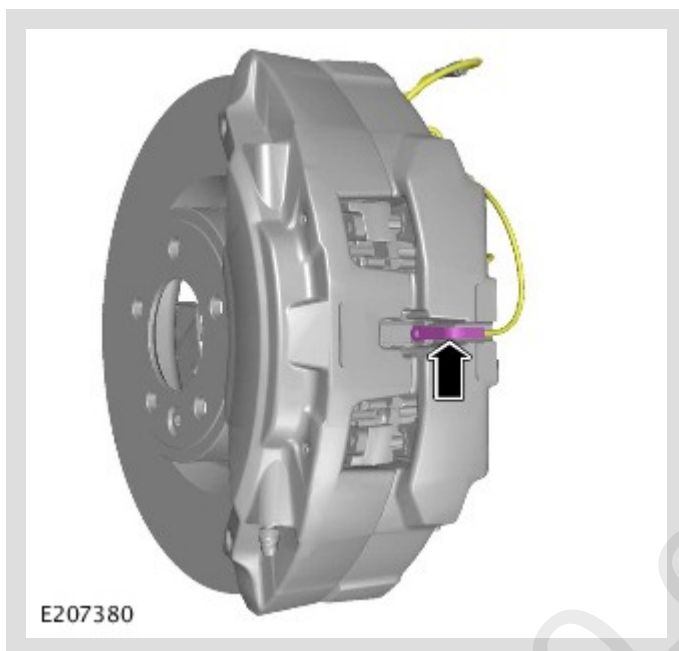
4.

⚠ CAUTION:

The brake pad wear sensor is easily damaged. Do not use a lever to remove the sensor.

⚠ NOTE:

Left side only.



Disconnect the brake pad wear sensor.

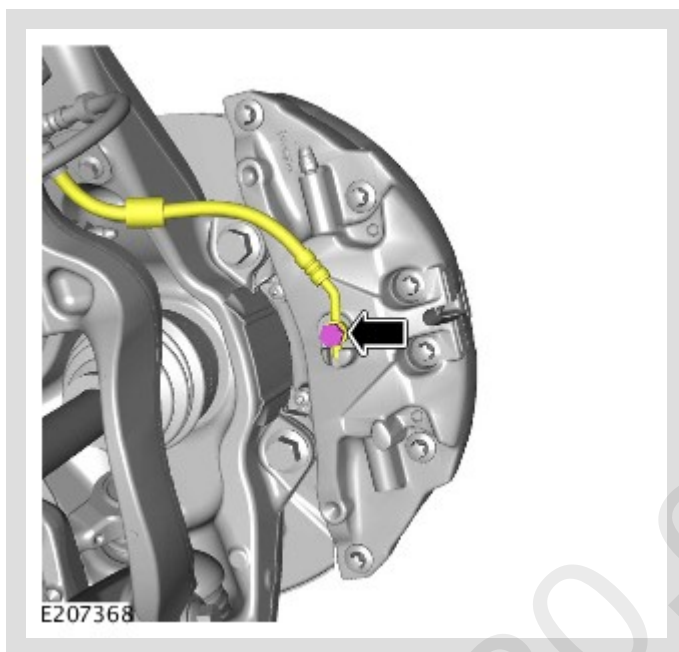
5.

⚠ WARNING:

Be prepared to collect escaping fluid.

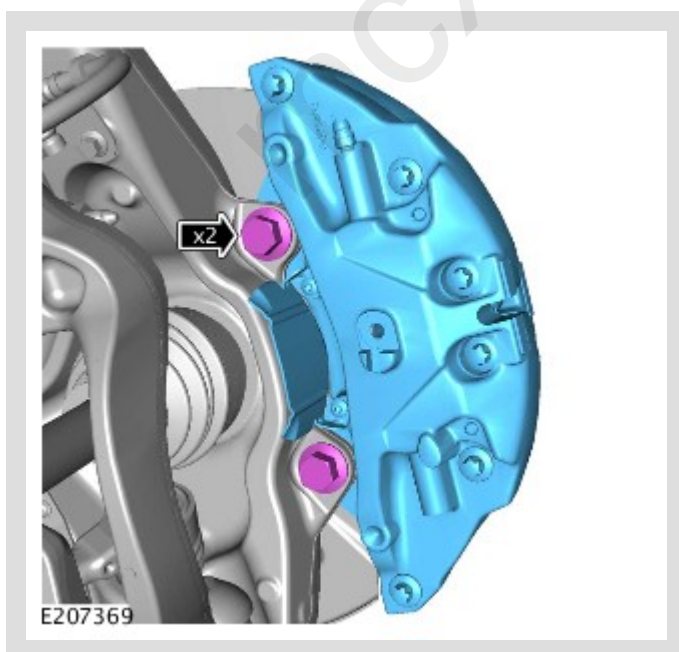
⚠ CAUTION:

If the brake hose banjo bolt has been loosened or removed, a new brake hose assembly must be installed.



Disconnect the brake hose from the brake caliper.

6.



- Remove and discard the 2 bolts.
- Remove the brake caliper.

 NOTE:

Only do this step if a new brake caliper is to be installed.

Remove the brake pads.

Refer to: [Brake Pads 4 Piston Fixed Caliper](#) (206-03 Front Disc Brake, Removal and Installation).

mcx30.com

INSTALLATION

1.

NOTE:

Only do this step if the brake pads were previously removed.

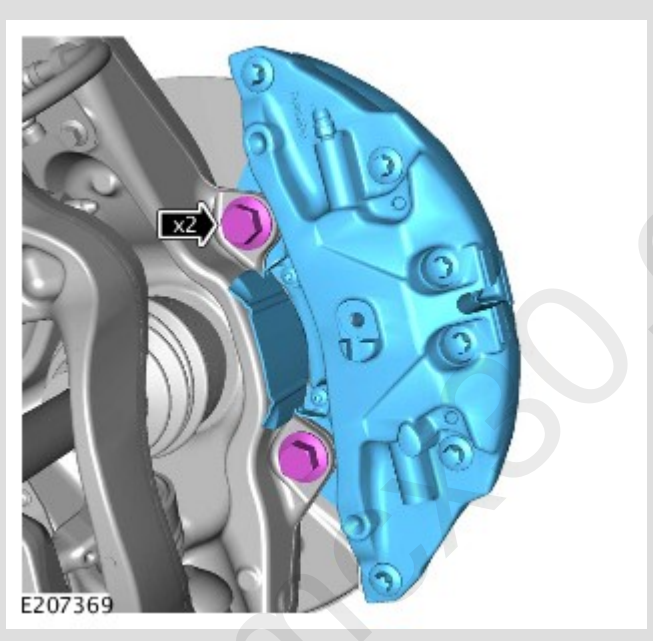
If a new brake caliper is to be installed, install the brake pads.

Refer to: [Brake Pads 4 Piston Fixed Caliper](#) (206-03 Front Disc Brake, Removal and Installation).

2.

CAUTION:

Make sure that new bolts are installed.



- Install the brake caliper.
- Install and tighten the 2 new bolts.
Renew Part: [Brake caliper carrier bolt\(s\)](#) Quantity: 2.
Torque
Stage1: **133Nm**
Stage2: **60°**

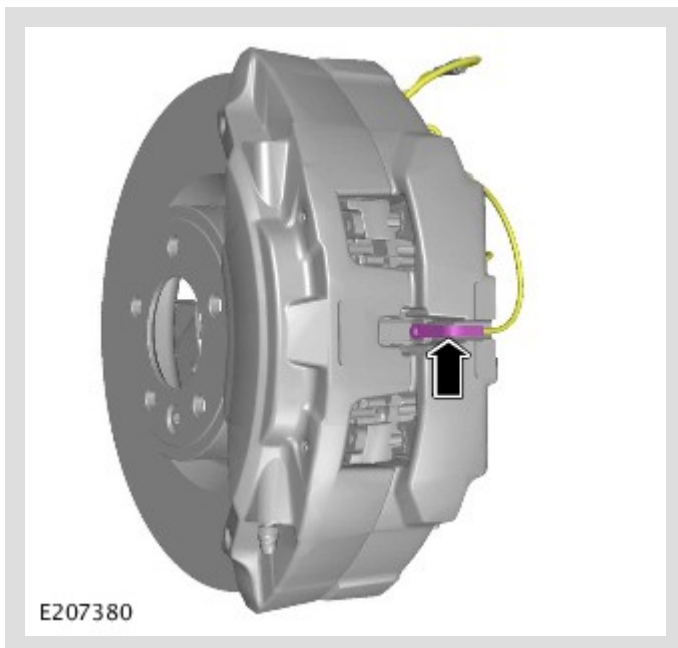
3.

CAUTION:

Make sure that a new flexible brake hose assembly is to be installed.

- Install a new brake hose.
Refer to: [Front Brake Hose](#) (206-08 Brake Controls and Actuation, Removal and Installation).
Renew Part: [Brake hose](#) Quantity: 1.

4.



Connect the brake pad wear sensor.

5. Use the JLR approved diagnostic equipment to deactivate the Integrated Power Brake assembly mode.
General Equipment: [Jaguar Land Rover approved diagnostic equipment](#)

6. Use the JLR approved diagnostic equipment to complete the Leakage and Air Monitoring test to the Integrated Power Brake.
General Equipment: [Jaguar Land Rover approved diagnostic equipment](#)

7. Bleed the brake system.
Refer to: [Brake System Bleeding Fixed Caliper](#) (206-00 Brake System - General Information, General Procedures).

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