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2020.0 DEFENDER (LE), 206-03

FRONT DISC BRAKE

BRAKE CALIPER 6 PISTON FIXED CALIPER [G2414126]

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 4	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. 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. 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](#)

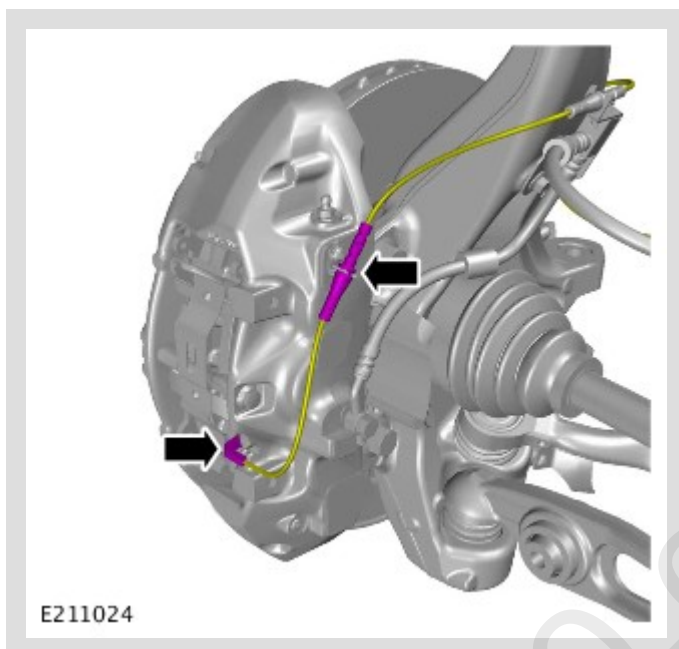
3. Remove the wheel and tire.
Refer to: [Wheel and Tire](#) (204-04 Wheels and Tires, Removal and Installation).

⚠ CAUTION:

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

⚠ NOTE:

Left side only.



Disconnect and release the brake pad wear sensor.

5.



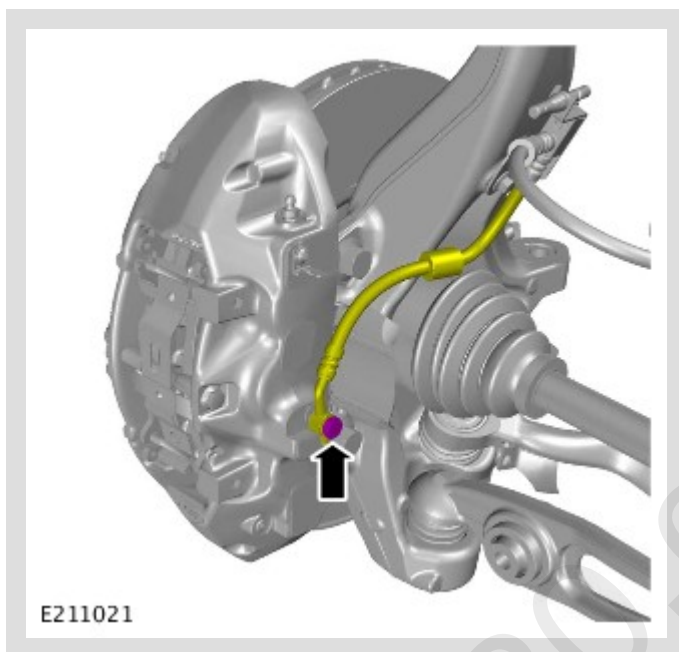
WARNING:

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.



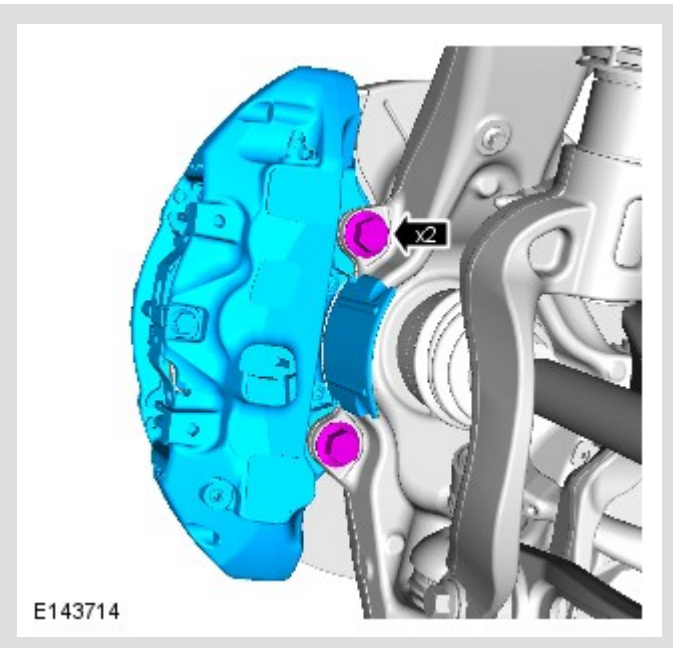
NOTE:

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

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

Refer to: [Brake Pads 6 Piston Fixed Caliper](#) (206-03 Front Disc Brake, Removal and Installation).

7.



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

8.

 NOTE:

Do not disassemble further if the component is removed for access only.



Remove the cooling scoop.

INSTALLATION

1.



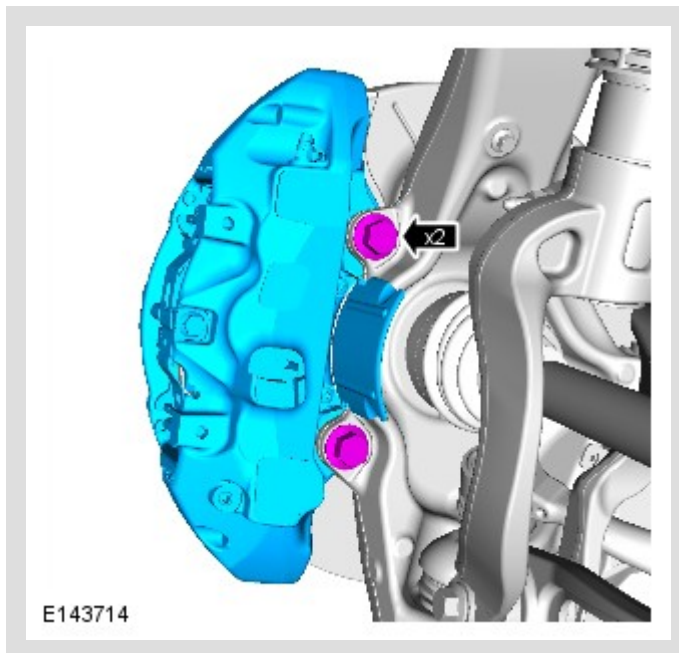
Install the cooling scoop.

Torque: 4Nm

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.

⚠ NOTE:

This step should only be performed when installing a new brake caliper.

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

Refer to: [Brake Pads 6 Piston Fixed Caliper](#) (206-03 Front Disc Brake, Removal and Installation).

4.

⚠ CAUTION:

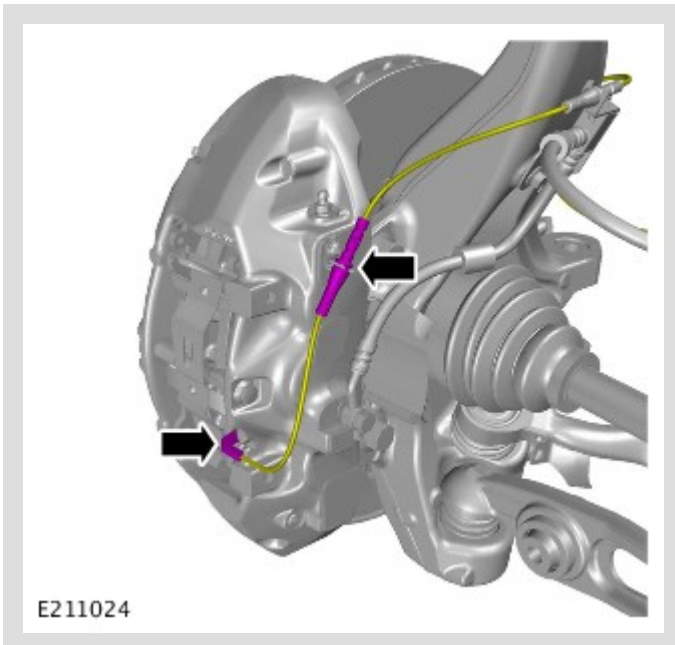
Make sure that a new flexible brake hose assembly is to be installed.

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.

5.



Install and secure the brake pad wear sensor.

6. Bleed the brake system.

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

7. Use the JLR approved diagnostic equipment to deactivate the Integrated Power Brake assembly mode.

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

8. 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](#)

9. Install the wheel and tire.

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