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2020.0 DEFENDER (LE), 206-03

FRONT DISC BRAKE

BRAKE DISC 4 PISTON FIXED CALIPER (G2413638)

mcx30.com

REMOVAL AND INSTALLATION

MATERIALS

NAME	SPECIFICATION
Brake Cleaner	3U7J-2C410-AA

GENERAL EQUIPMENT

EQUIPMENT NAME
Cable ties
Jaguar Land Rover approved diagnostic equipment

PART(S)

STEP	PART NAME	QUANTITY
Installation Step 3	Brake disc bolt	1
Installation Step 6	Brake caliper carrier bolt(s)	2

REMOVAL

⚠ CAUTION:

Brake discs must be renewed in axle sets.

△ NOTES:

- This procedure contains illustrations showing certain components removed to provide extra clarity.
- This procedure contains some variation in the illustrations depending on the vehicle specification, but the essential information is always correct.

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 wheels and tires.

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

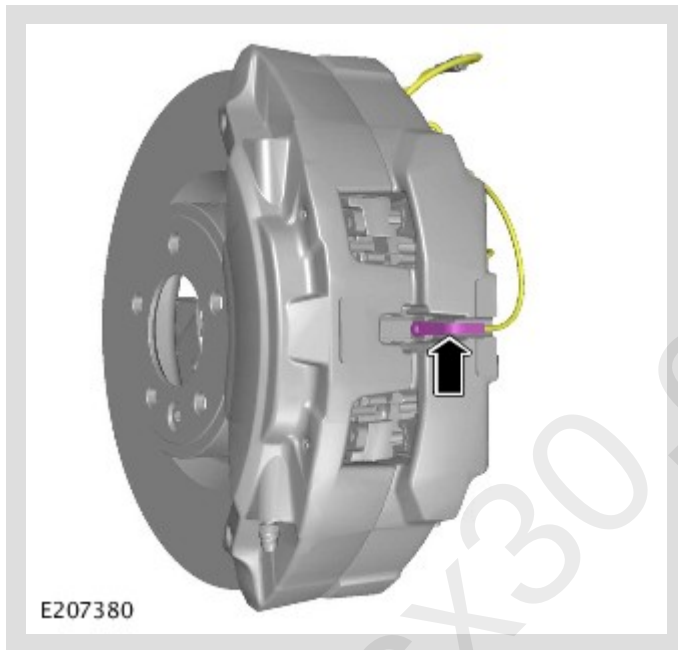
4.

⚠ CAUTION:

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

⚠ NOTE:

Left side only.



- Disconnect and reposition the brake pad wear sensor.
- Inspect the brake pad wear sensor for signs of wear or damage. Install a new sensor if necessary.

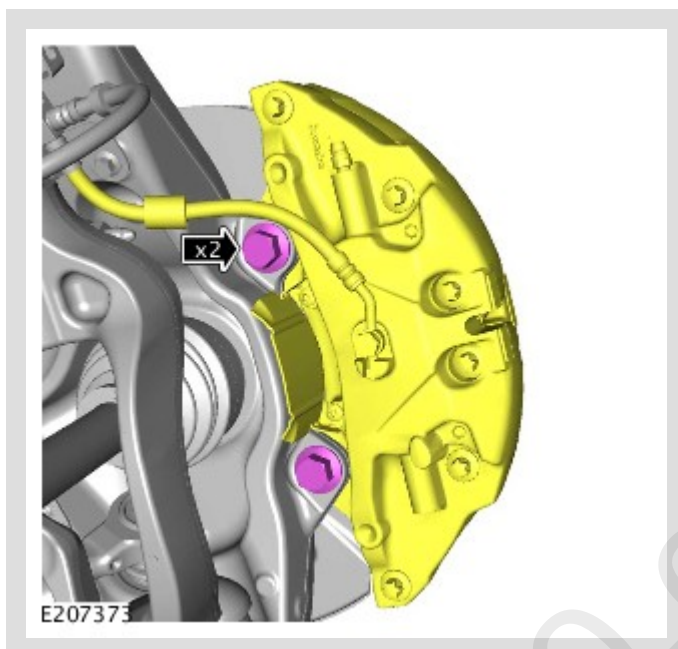
5.

⚠ CAUTION:

Do not allow the brake caliper to hang on the brake hose.

⚠ NOTE:

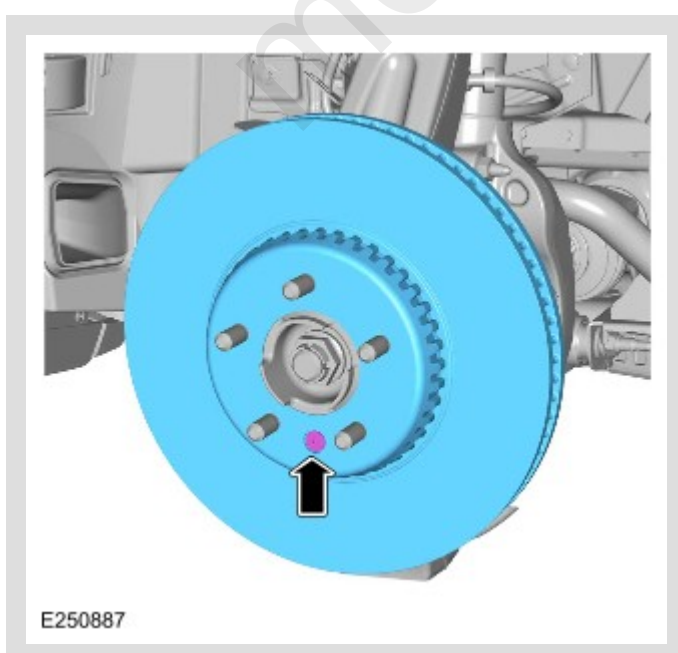
Discard the bolts.



- Remove and discard the brake caliper bolts.
- Release the brake caliper and position to one side.

General Equipment: [Cable ties](#)

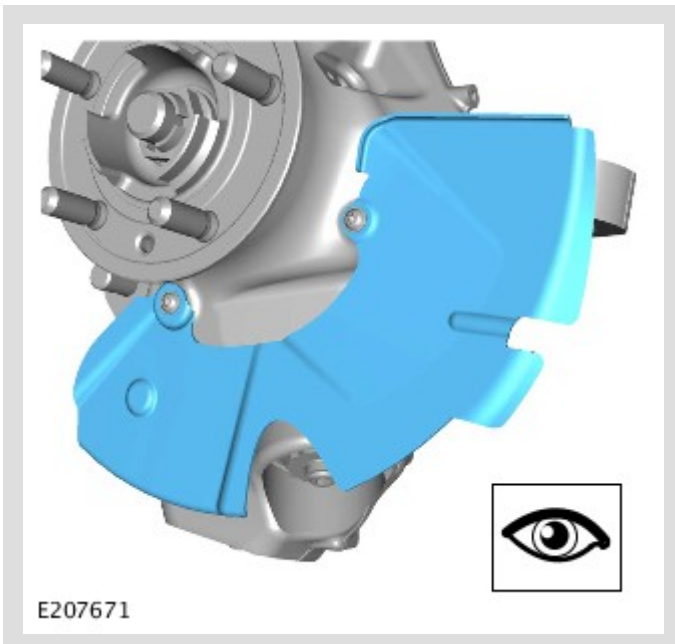
6.



Remove the brake disc.

INSTALLATION

1.



Clean and inspect the brake disc shield.

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

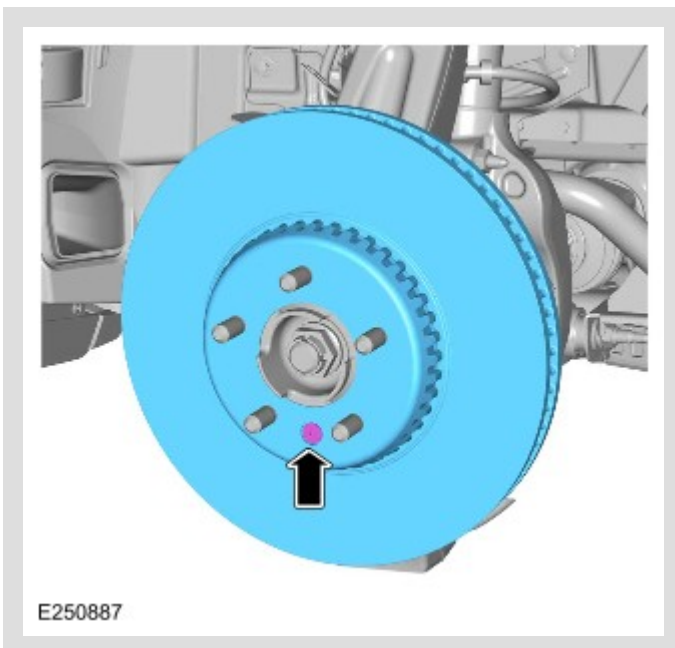
2.



Use brake cleaner fluid to clean the brake disc.

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

3.

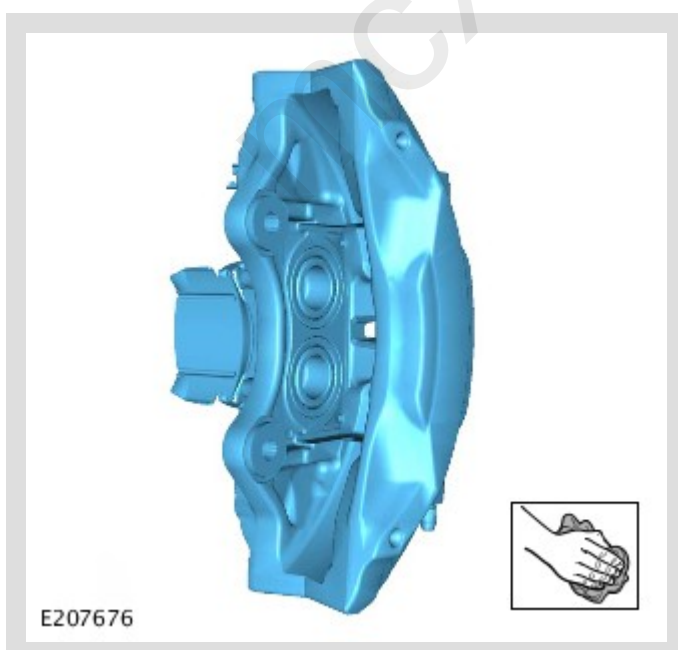


- Install the brake disc.
- Install and tighten a new brake disc bolt.
Renew Part: [Brake disc bolt](#) Quantity: 1.
Torque: 10Nm

4.

**WARNING:**

Do not use compressed air to clean brake components. Dust from friction materials can be harmful if inhaled.



Use brake cleaner to clean the brake caliper housing.
Material: [Brake Cleaner \(3U7J-2C410-AA\)](#)

5.

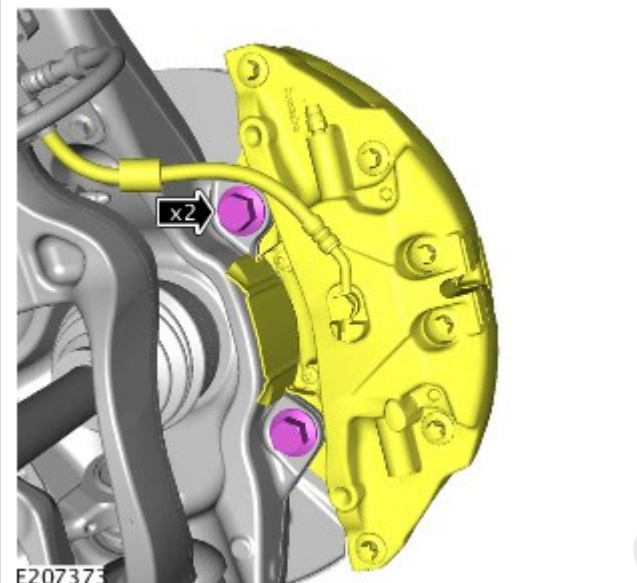
 NOTE:

This step should only be done when new brake discs are installed.

If new brake discs are installed, install new brake pads.

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

6.



- Install the brake caliper.
- Install and tighten the 2 new brake caliper bolts.
Renew Part: [Brake caliper carrier bolt\(s\)](#) Quantity: 2.

Torque

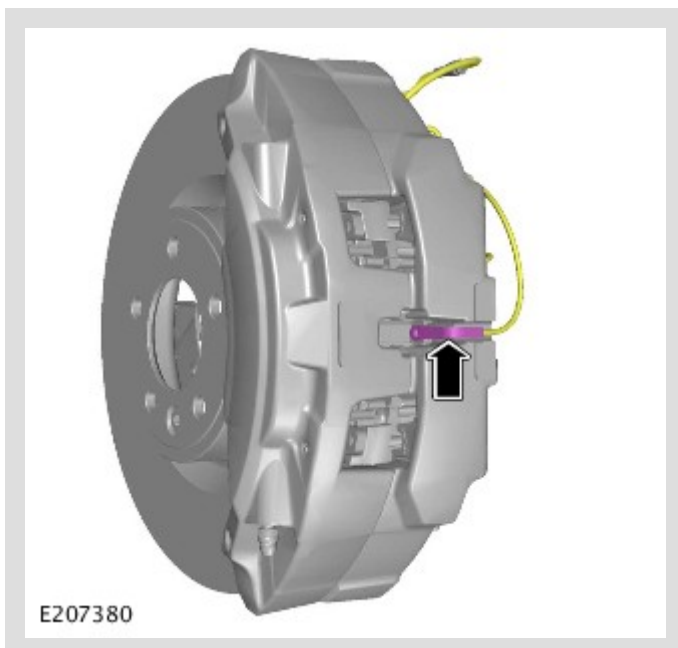
Stage1: **133Nm**

Stage2: **60°**

7.

 NOTE:

Left side only.



Install the brake pad wear sensor.

8.

Install the wheel and tire.

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

9.

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

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

10.

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).