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2020.0 DEFENDER (LE), 206-03

FRONT DISC BRAKE

BRAKE DISC 2 PISTON FLOATING CALIPER (G2413644)

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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](#)

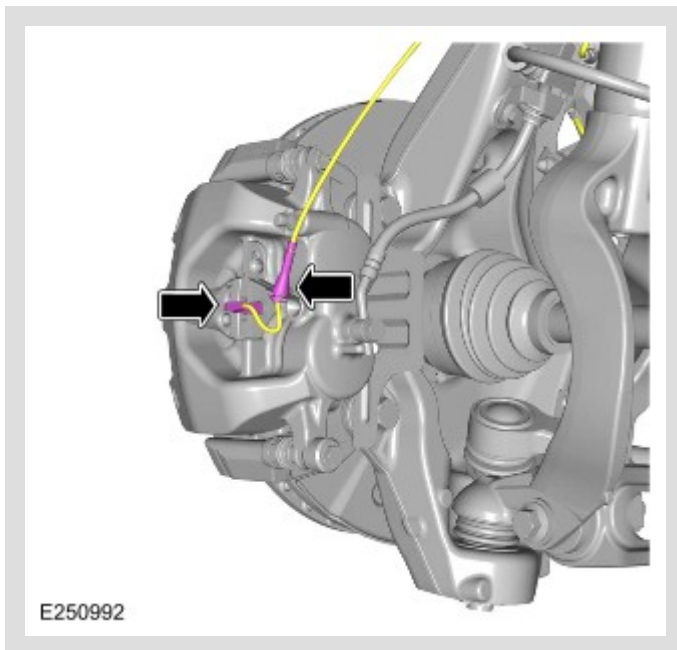
2. Raise and support the vehicle on a suitable 2 post lift.

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.



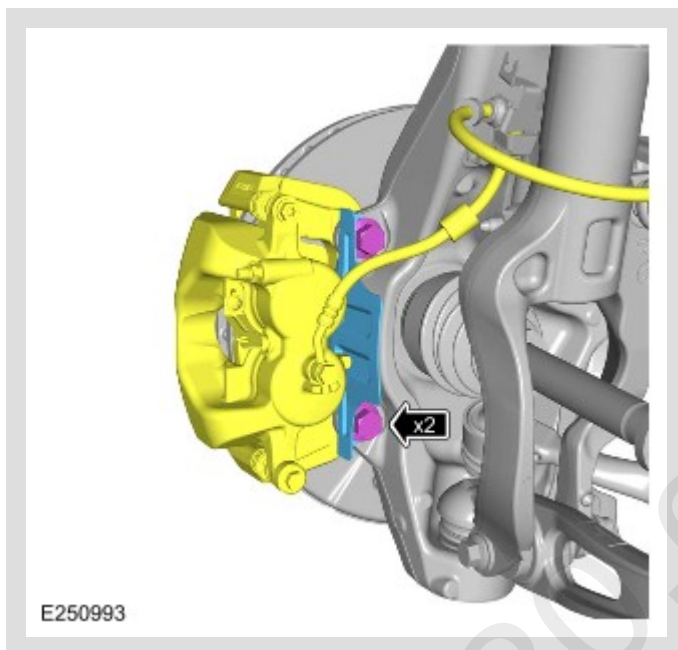
- Disconnect the brake pad wear sensor from the brake pad.
- Release the pad wear sensor grommet and position the component to one side.

⚠ CAUTIONS:

- Make sure that the brake hose does not support the full weight of the brake caliper assembly.
- Do not allow the brake caliper to hang on the brake pad wear sensor lead.

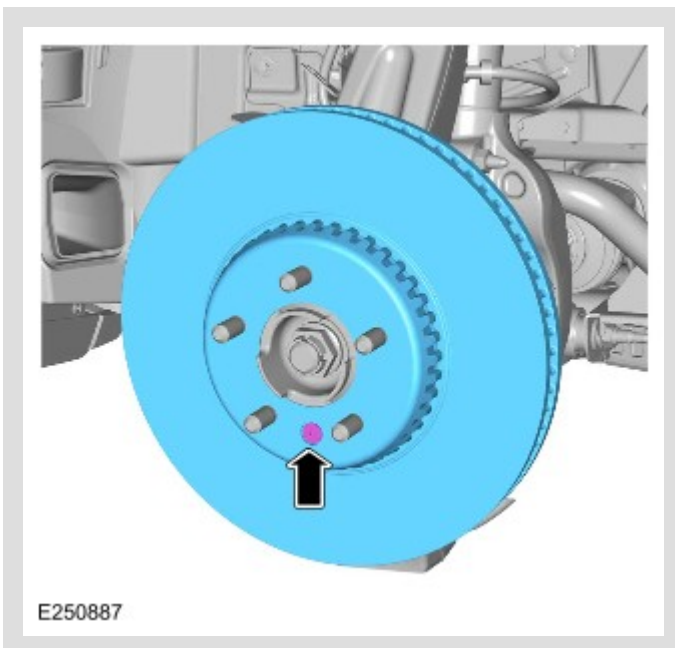
⚠ NOTE:

Note the orientation and alignment of the cooling scoop.



- Remove and discard the 2 bolts.
- Remove the cooling scoop.
- Release the brake caliper and position to one side.

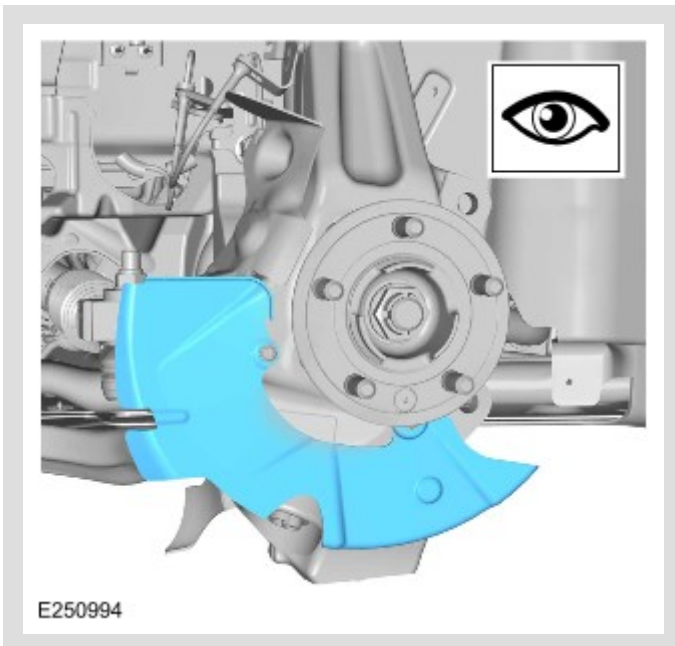
General Equipment: [Cable ties](#)



- Remove and discard the bolt.
- Remove the brake disc.

INSTALLATION

1.



Clean and inspect the brake disc shield.

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

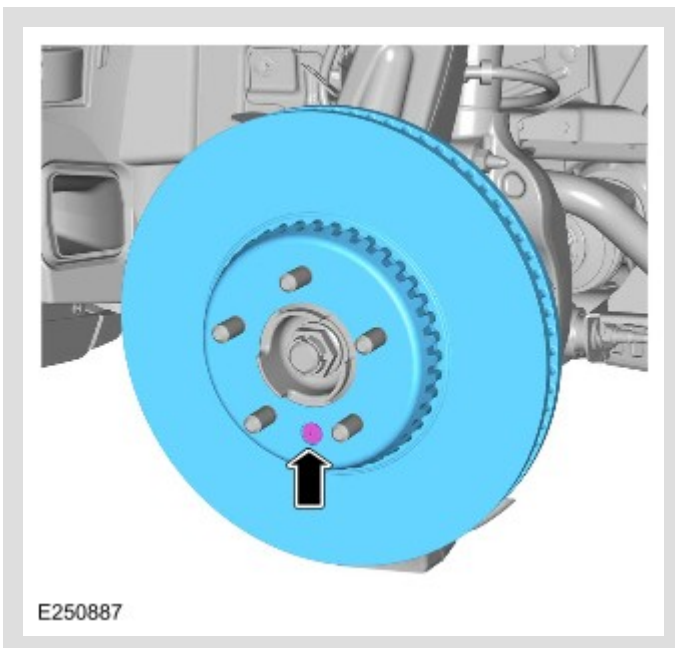
2.



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 cleaning fluid to clean the brake caliper and brake caliper carrier.
Material: [Brake Cleaner \(3U7J-2C410-AA\)](#)

5.

 NOTE:

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

If new discs are installed, install new brake pads.

Refer to: [Brake Pads 2 Piston Floating Caliper](#) (206-03 Front Disc Brake, Removal and Installation).

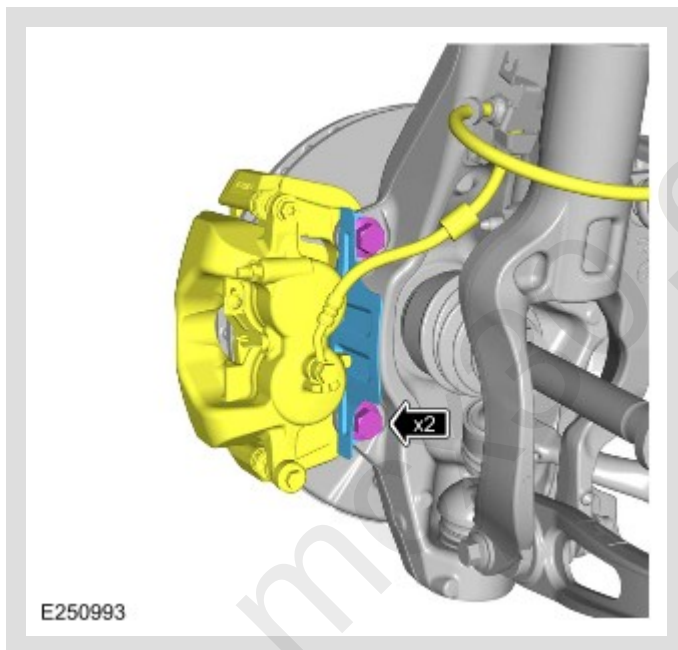
6.

 CAUTIONS:

- Make sure that the brake hose is not twisted and is correctly located.
- Make sure that new bolts are installed.

 NOTE:

Make sure the cooling scoop is aligned and installed in the correct orientation.



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

Torque

Stage1: **133Nm**

Stage2: **60°**

7.

- Connect the brake pad wear sensor to the brake pad.
- Secure the pad wear sensor grommet.

8.

Install the front wheel.

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

9. Connect the JLR approved diagnostic equipment and disable the Integrated Power Brake assembly mode.

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).

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