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BRAKE CONTROLS AND ACTUATION

FRONT BRAKE HOSE (G2415762)

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REMOVAL AND INSTALLATION

GENERAL EQUIPMENT

EQUIPMENT NAME
Jaguar Land Rover approved diagnostic equipment

PART(S)

STEP	PART NAME	QUANTITY
Installation Step 1	Brake hose	1
Installation Step 2	Stabilizer bar link upper nut	1

REMOVAL

WARNING:

Fluid loss is unavoidable, use absorbent cloth or a container to collect the fluid.

CAUTIONS:

- If brake fluid is spilt on the paintwork, the affected area must be immediately washed down with cold water.
- Before disconnecting any components, make sure the area is clean and free from foreign material. When disconnected all openings must be sealed.

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

1. Use 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](#)

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 front wheel and tire.

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

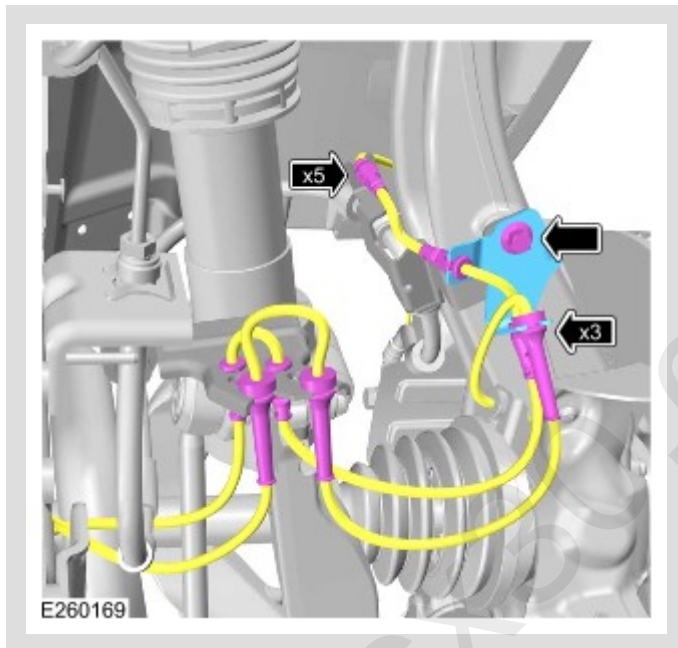
4.

⚠ CAUTION:

The brake pad wear sensor, which is installed on the left side only, is easily damaged. Do not use excessive force to release the lead.

⚠ NOTE:

Note the routed position of the wiring harnesses prior to removal.



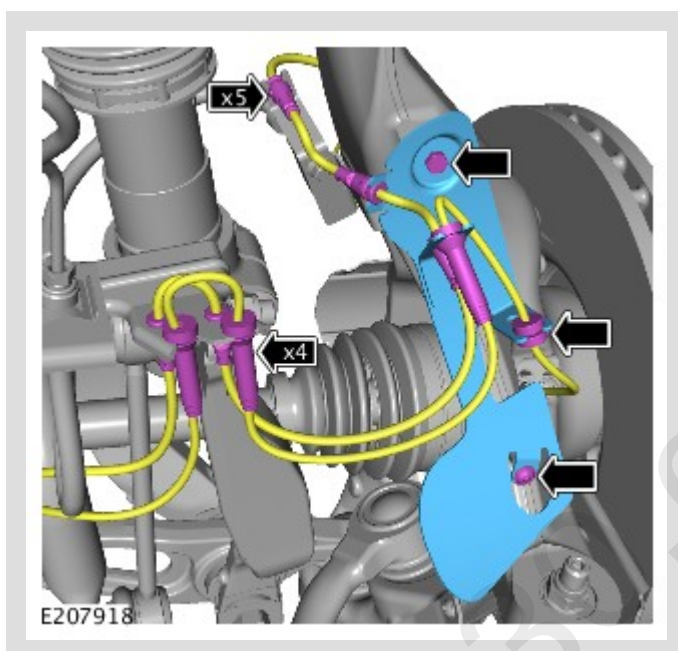
- Release the wheel speed sensor lead.
- Release the brake pad wear sensor wiring harness.
- Remove the bolt.
- Remove the wiring harness bracket from the wheel knuckle.

⚠ CAUTION:

The brake pad wear sensor, which is installed on the left side only, is easily damaged. Do not use excessive force to release the lead.

⚠ NOTES:

- Make a note of the routed position of the wiring harness prior to removal.
- Vehicle with 6 piston fixed caliper.



- Release the wheel speed sensor lead.
- Release the brake pad wear sensor wiring harness.
- Remove the 2 bolts.
- Remove the heatshield from the wheel knuckle.

⚠ WARNING:

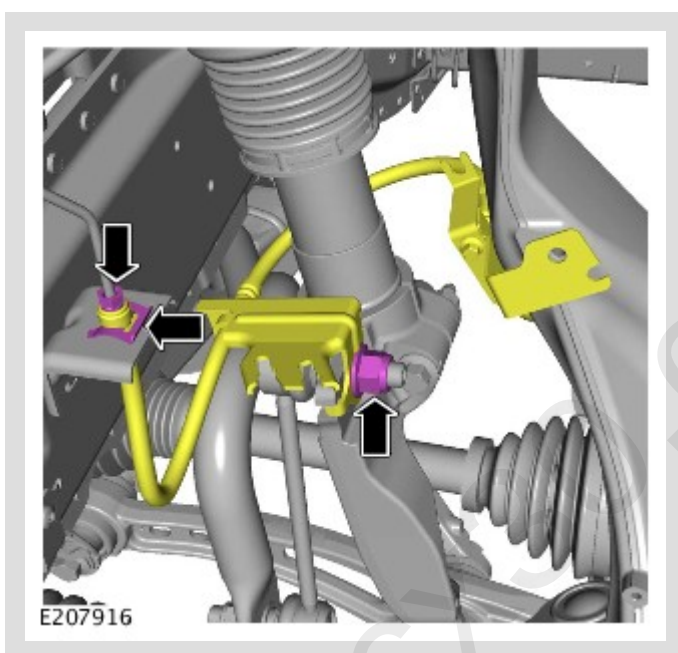
Fluid loss is unavoidable, use absorbent cloth or a container to collect the fluid.

⚠ CAUTION:

If brake fluid is spilt on the paintwork, the affected area must be immediately washed down with cold water.

△ NOTE:

Note the orientation of the component prior to removal.



- Loosen the brake pipe union.
- Remove and discard the nut.
- Remove the retaining clip.
- Disconnect the brake hose from the brake pipe.

⚠ WARNING:

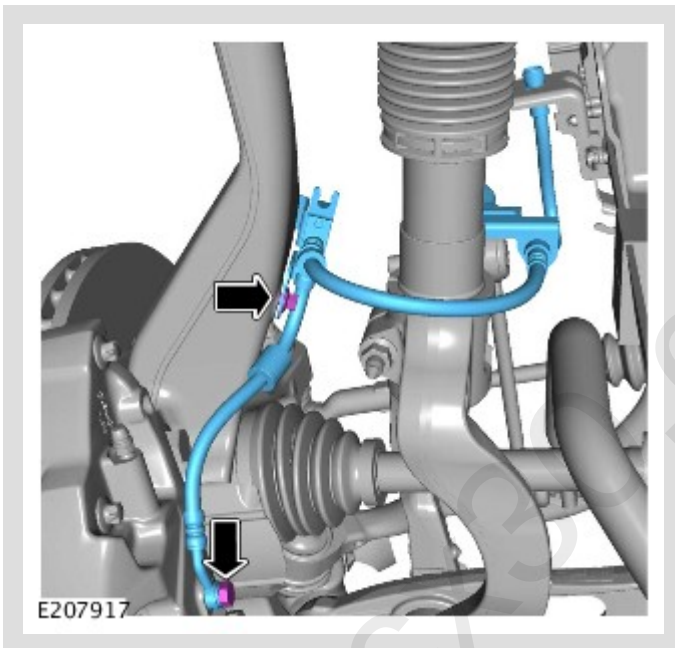
Fluid loss is unavoidable, use absorbent cloth or a container to collect the fluid.

⚠ CAUTION:

If brake fluid is spilt on the paintwork, the affected area must be immediately washed down with cold water.

△ NOTE:

Note the orientation of the component prior to removal.

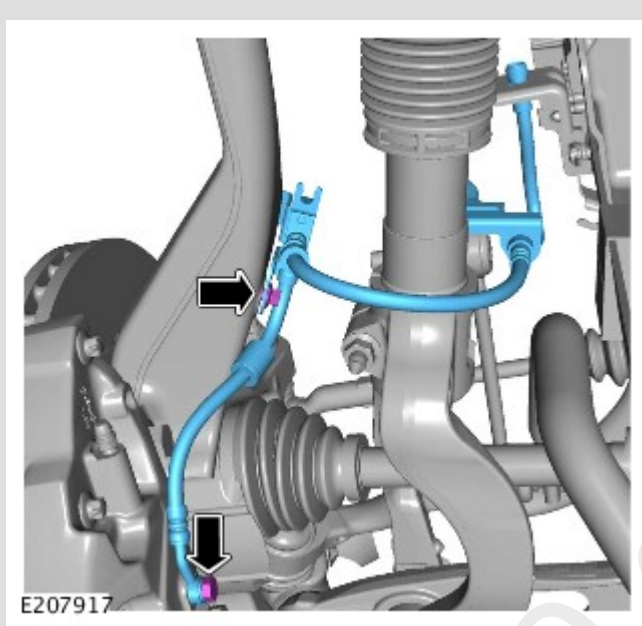


- Remove the banjo bolt.
- Remove the bolt.
- Remove and discard the brake hose.

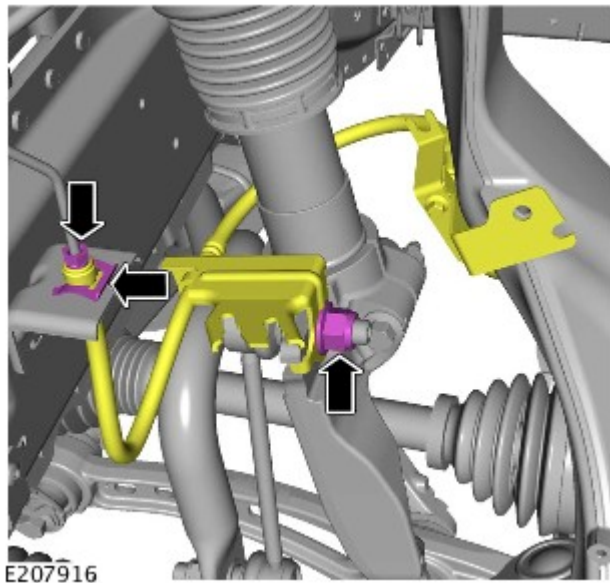
1.

⚠ CAUTION:

Make sure that the brake hose is not twisted and is correctly located.



- Install the brake hose.
Renew Part: [Brake hose](#) Quantity: 1.
- Install and tighten the brake hose to wheel knuckle bolt.
*Torque: **10Nm***
- Install and tighten the banjo bolt.
*Torque: **35Nm***



- Connect the brake hose to the brake pipe.
- Install the retaining clip.
- Tighten the brake pipe union.

Torque: 15Nm

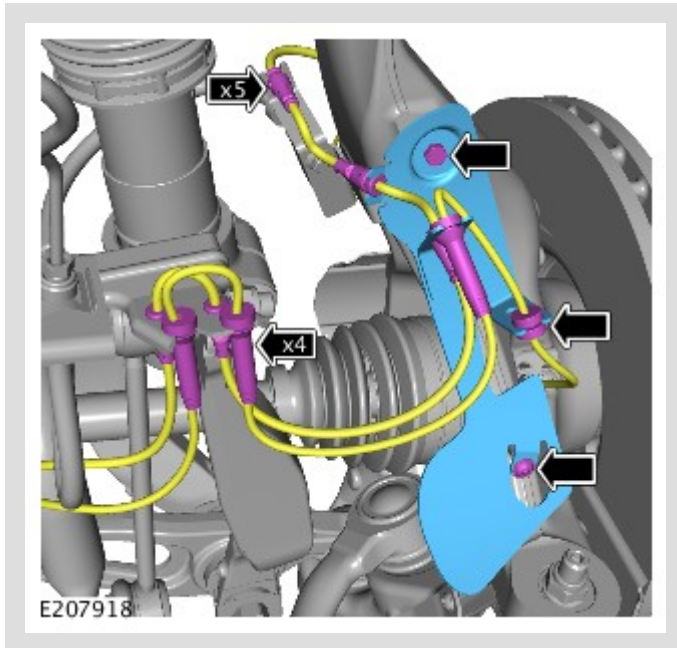
- Install the stabilizer bar link nut.

Renew Part: [Stabilizer bar link upper nut](#) Quantity: 1.

Torque: 185Nm

 NOTE:

Make sure that the harness is routed to the position noted on removal.

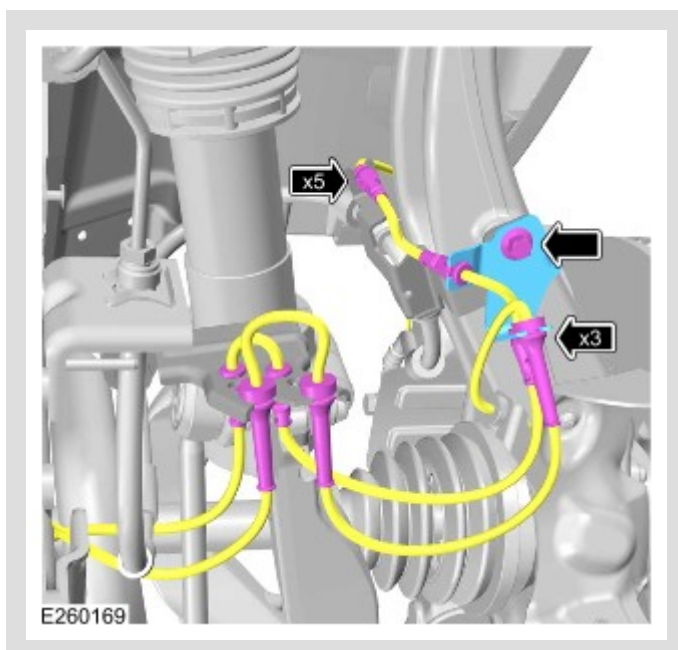


- Install the heatshield to the wheel knuckle.
- Install and tighten the 2 heatshield to wheel knuckle bolts.
Torque: 10Nm
- Secure the wheel speed sensor lead.
- Secure the brake pad wear sensor wiring harness.

4.

NOTE:

Make sure that the wiring harnesses are routed to the position noted on removal.



- Install the wiring harness bracket to the wheel knuckle.
- Install and tighten the wiring harness bracket to wheel knuckle bolt.
Torque: 10Nm
- Secure the wheel speed sensor lead.
- Secure the brake pad wear sensor wiring harness.

5. Bleed the brake system.

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

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

6. Use the Integrated Power Brake 'Leakage and Air Monitoring' to inspect the complete brake system for volume consumption and leakage.

7. If the bleeding is not successful, perform the Integrated Power Brake Repair Bleed.

Refer to: [Brake System Bleed with Diagnostic Equipment](#) (206-00 Brake System - General Information, General Procedures).

8. Use the JLR approved diagnostic equipment and disable the Integrated Power Brake assembly mode.

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

9.

Install the front wheel and tire.

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

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