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BRAKE CONTROLS AND ACTUATION

INTEGRATED POWER BRAKE SYSTEM FLUID RESERVOIR [G2415758]

mcx30.com

REMOVAL AND INSTALLATION

GENERAL EQUIPMENT

EQUIPMENT NAME
Jaguar Land Rover approved diagnostic equipment
Oil syringe

PART(S)

STEP	PART NAME	QUALIFICATION	QUANTITY
Step 1	Integrated power brake replacement reservoir kit	All vehicles	1

REMOVAL

⚠ CAUTIONS:

- Before disconnecting any components, make sure the area is clean and free from foreign material. When disconnected all openings must be sealed.
- Brake fluid will damage paint finished surfaces. If spilled, immediately remove the fluid and clean the area with water.
- Be prepared to collect escaping fluids.

△ 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.

The following step(s) applies to:

All vehicles

1. Connect the Jaguar Land Rover (JLR) approved diagnostic equipment and set the Integrated Power Brake module to the assembly mode.

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

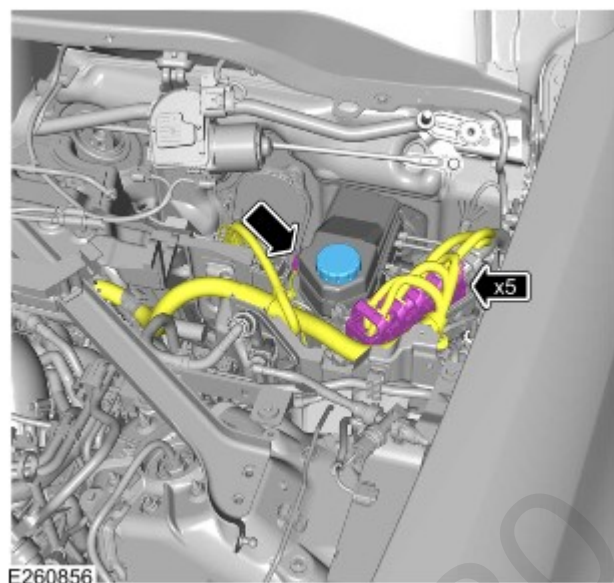
2. Remove the cowl panel.

Refer to: [Cowl Panel](#) (501-02 Front End Body Panels, Removal and Installation).

The following step(s) applies to:

Left hand drive vehicles

- 3.

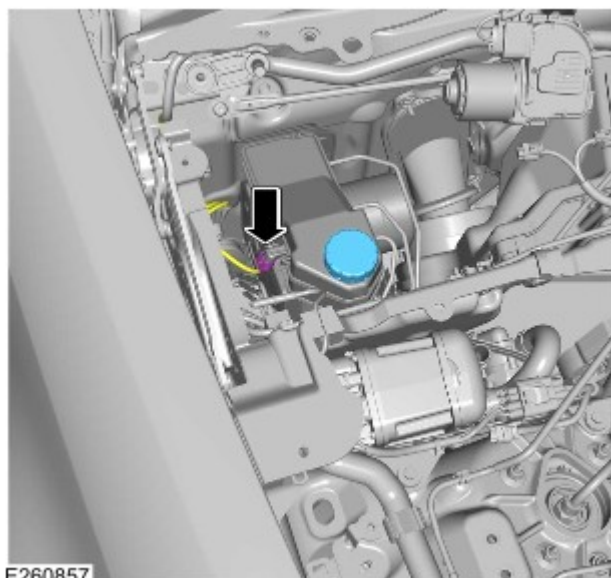


- Disconnect the 6 electrical connectors.
- Position the wiring harness to one side to aid the removal of the component.
- Remove the brake fluid reservoir cap.
- Use a suitable syringe to remove as much brake fluid as possible.
General Equipment: [Oil syringe](#)
- Install the cap.

The following step(s) applies to:

Right hand drive vehicles

4.

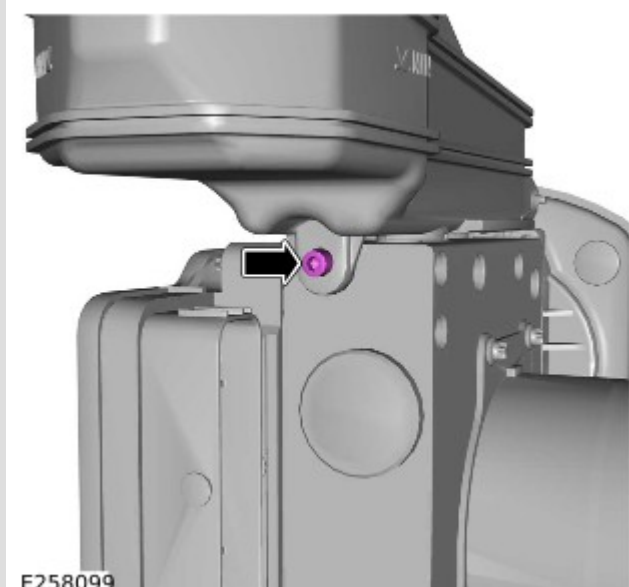


- Disconnect the electrical connector.
- Remove the cap.
- Use a suitable syringe to remove as much brake fluid as possible.
General Equipment: [Oil syringe](#)
- Install the cap.

The following step(s) applies to:

All vehicles

5.

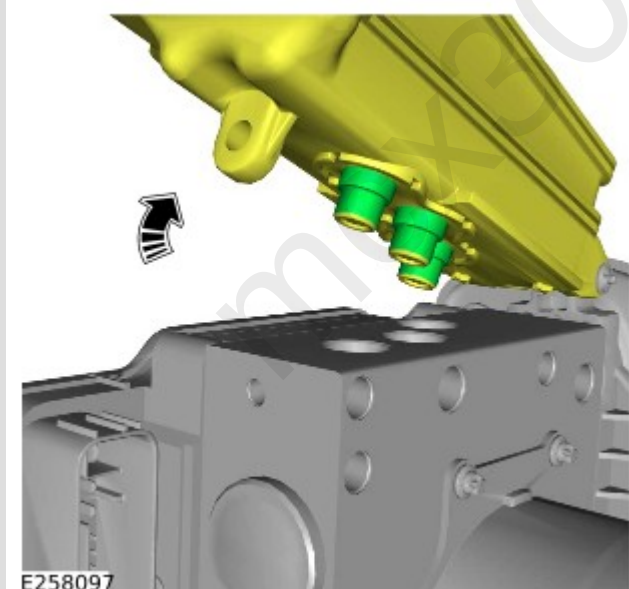


Remove and discard the bolt.

6.

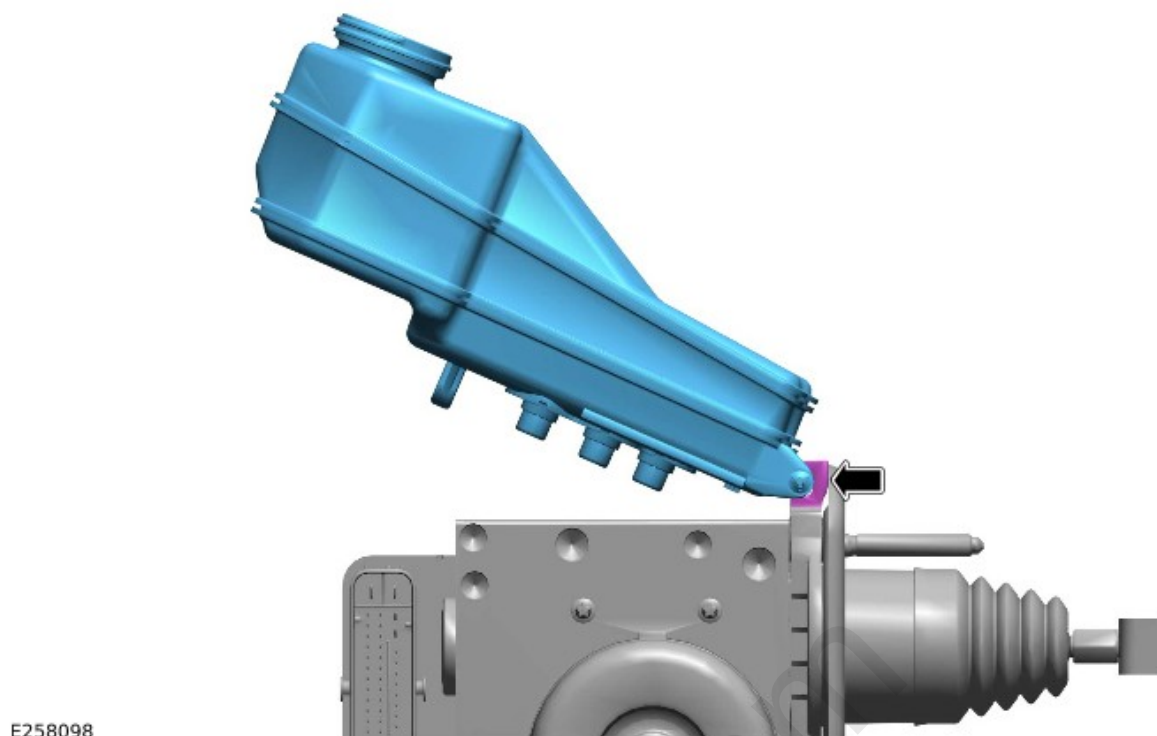
⚠ CAUTION:

Be prepared to collect escaping fluids.



- Release the integrated power brake unit fluid reservoir.
- Remove and discard the 3 seals.

7.



Release and remove the integrated power brake unit fluid reservoir.

INSTALLATION

The following step(s) applies to:

All vehicles

1.

- Use clean brake fluid to lubricate the 3 new seals.
Refer to: [Specifications](#) (206-00 Brake System - General Information, Specifications).
- Install the 3 new seals.
Renew Part: [Integrated power brake replacement reservoir kit](#) Quantity: 1.

2.

NOTE:

The new bolt is a part of the integrated power brake replacement reservoir kit.

- Install and secure the integrated power brake unit fluid reservoir.
- Install and tighten the new bolt.
*Torque: **6Nm***

The following step(s) applies to:

Left hand drive vehicles

3.

- Position the wiring harness to the original position.
- Connect the 6 electrical connectors.

The following step(s) applies to:

Right hand drive vehicles

4.

Connect the electrical connector.

The following step(s) applies to:

All vehicles

5.

Install the cowl panel.

Refer to: [Cowl Panel](#) (501-02 Front End Body Panels, Removal and Installation).

6.

Top-up the brake fluid reservoir with the correct amount of brake fluid.

Refer to: [Specifications](#) (206-00 Brake System - General Information, Specifications).

7.

Connect the JLR approved diagnostic equipment and complete the 'Leakage And Air Monitoring' procedure.

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

8.

- If the 'Leakage And Air Monitoring' test was completed successfully proceed to **step 10**.
- If the 'Leakage And Air Monitoring' test failed, rectify any reasons of failure and proceed to **step 9**.

9.

- 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).

- Use the JLR approved diagnostic equipment to complete 'Leakage and Air Monitoring' test.
- If the 'Leakage and Air Monitoring' test completed successfully proceed to **step 10**.
- If the 'Leakage and Air Monitoring' test completed unsuccessfully rectify the reasons of failure and complete the 'Brake System Bleed with Diagnostic Equipment' procedure.
Refer to: [Brake System Bleed with Diagnostic Equipment](#) (206-00 Brake System - General Information, General Procedures).

10.

Use the JLR approved diagnostic equipment to disable the integrated power brake module assembly mode.

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

11.

- Close the hood and all the doors and lock the vehicle.
- Wait for the hazard warning lamp switch back light to extinguish.
- Wait a further 20 seconds.
- Unlock the vehicle.
- Turn the ignition on.

12.

 CAUTION:

If the following procedure could not be completed successfully check for possible reasons of failure, rectify and retest the system.

Use the JLR approved diagnostic equipment to clear Diagnostic Trouble Code(s) (DTC) memory and check that no new DTC are stored.

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