

1 Remove the rear seat cushion.
REFER to: [Rear Seat Cushion](#) (501-10 Seating, Removal and Installation).

2 Key on, engine off.

3 Make sure the fuel pump relay is energized.

4 Listen for pump noise.

Can the fuel pump be heard running?

Yes

[GO to E2.](#)

No

CHECK for DTCs. REFER to the DTC index.

E2: CHECK THE FUEL SYSTEM PRESSURE

 **WARNING:** This procedure involves fuel handling. Be prepared for fuel spillage at all times and always observe fuel handling precautions. Failure to follow these instructions may result in personal injury.

• **NOTE:** The fuel pressure can be tested using the Jaguar approved diagnostic system datalogger facility, or by the use of a suitable gauge from the schraeder connector on the special tool fitted to the fuel rail.
REFER to: [Fuel System Pressure Check](#) (310-00 Fuel System - General Information, General Procedures).

1 Apply the parking brake.

2 Make sure the gear selector is in the **NEUTRAL** position for vehicles fitted with manual transmission, **PARK** position for vehicles fitted with automatic transmission.

3 Connect a suitable gauge to the fuel Schraeder valve.

4 Disconnect and plug the vacuum hose from the pressure regulator.

5 Key on, engine off.

- Make sure there are no leaks from the gauge connections

6 Record the fuel pressure reading.

Is the fuel pressure between 4 and 5 bar (58.01 and 72.51 lb/in²)?

Yes

[GO to E3.](#)

No

CHECK for DTCs. REFER to the DTC index.

E3: CHECK THE FUEL SYSTEM PRESSURE WITH THE ENGINE CRANKING

1 Key in start position.

2 Record the fuel pressure reading.

Is the fuel pressure between 4 and 5 bar (58.01 and 72.51 lb/in²)?

Yes

[GO to E4.](#)

No

CHECK for DTCs. REFER to the DTC index.

E4: CHECK THE FUEL SYSTEM PRESSURE WITH THE ENGINE IDLING (WHERE POSSIBLE)

1 Key on, engine running.

Is the fuel pressure between 4 and 5 bar (58.01 and 72.51 lb/in²)?

Yes

CHECK for DTCs and symptoms indicating another cause of the problem.

No

CHECK for DTCs. If there are no codes, suspect pump module failure.


REFER to: [Fuel Pump Module - V8 4.2L Petrol/V8 S/C 4.2L Petrol/2.5L NA V6 - AJV6/3.0L NA V6 - AJ27, VIN Range: N52048->N99999](#) (310-01 Fuel Tank and Lines, Removal and Installation).

PINPOINT TEST F : CHECK THE FUEL LINES

**TEST
CONDITIONS**

DETAILS/RESULTS/ACTIONS

F1: CHECK THE FUEL LINES FOR RESTRICTIONS

 **WARNING:** This procedure involves fuel handling. Be prepared for fuel spillage at all times and always observe fuel handling precautions. Failure to follow these instructions may result in personal injury.

1 Detach the fuel line from the fuel rail and from the fuel pump module.

2 Using an air line gently blow through the line checking for blockages or restrictions.

Is a blockage or restriction evident?

Yes

CLEAR/REPAIR the blocked or restricted fuel line and test the system for normal operation.

No

[GO to F2.](#)

F2: CHECK THE FUEL TANK LINES FOR RESTRICTIONS

1 Remove the fuel and transfer pump module locking rings.

REFER to: [Fuel Pump Module - V8 4.2L Petrol/V8 S/C 4.2L Petrol/2.5L NA V6 - AJV6/3.0L NA V6 - AJ27, VIN Range: N52048->N99999](#) (310-01 Fuel Tank and Lines, Removal and Installation).

2 Detach the fuel lines from the transfer and fuel pump modules.

3 Using an air line gently blow through the line checking for blockages or restrictions.

Is a blockage or restriction evident?

Yes

CLEAR/REPAIR the blocked or restricted fuel line and test the system for normal operation.

No

CHECK for DTCs and symptoms indicating another cause of the problem.