

Technical Service Bulletin



01 MIL on (DTC P310B, P129F, P008B, P129E, P008A, P2540, P0087)

01 14 57 2015106/9 January 9, 2014. Supersedes Technical Service Bulletin Group 24 number 11-06 dated December 7, 2011 for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
All	2005 - 2008	All	2.0 TFSI engine 3.2 V6 FSI engine 3.6 V6 FSI engine 4.2 V8 FSI engine 5.2 V10 FSI engine

Condition

REVISION HISTORY		
Revision	Date	Purpose
9	-	Revised header data (Added customer codes; added DTCs)
8	12/7/2011	Revised header data (Removed model years)
7	1/29/2010	Revised <i>Warranty</i>
6	1/12/2010	Revised header data (Added engines) Revised <i>Condition, Service, and Warranty</i>
5	11/19/2008	Revised title to include Repair Group

- MIL on.
- One or more of the following DTCs is stored in the engine control module, J623 (address word 01):
 - **P310B00**: Low fuel pressure regulation fuel pressure outside specification
 - **P129F00**: Low pressure fuel system pressure too high
 - **P008B00**: Low pressure fuel system pressure too high
 - **P129E00**: Low pressure fuel system pressure too low
 - **P008A00**: Low pressure fuel system pressure too low
 - **P254000**: Low pressure fuel system sensor circuit range/performance
 - **P008700**: Fuel rail/system pressure too low

Technical Background

Due to fuel intrusion into the low-pressure system fuel pressure sensor (G410), a false signal may be sent to the controller, resulting in a reading that is out of tolerance.



Tip: Comparing Measured Value Block 103 with 106 is not an accurate method for diagnosing G410. In order to diagnose G410 accurately, use a mechanical gauge and compare results with the low-side fuel pressure Actual Value in Measured Value Block 103.

Production Solution

Improvements to G410 fuel pressure sensor.

Service

1. Verify that the customer did not run out of fuel at the time that the DTCs were stored. If the vehicle did have a low fuel level, **DTCs P310B00, P129E00, and/or P008A00** may be accompanied by **DTC P125000**. If DTC P125000 is present, it is likely that the faults occurred due to a low fuel level and are not related to a malfunction of the G410.
2. Follow GFF for each DTC.
3. To check the G410, measure the fuel pressure with a mechanical gauge (VAG 1318), using the following method:
 - a. Start the engine and allow it to idle for at least one minute.
 - b. Stop the engine, but keep the ignition on.
 - c. Measure the actual low-side fuel pressure on the low pressure supply line in the engine compartment (Figure 1).



Figure 1. Measuring low-side fuel pressure with VAG 1318 gauge.

4. To calculate the adjusted gauge measurement value, add 1 bar to the value obtained from the mechanical gauge.
5. Compare the adjusted gauge measurement value to the Actual Value stored in MVB 103 field 1.
6. If the MVB 103 field 1 value deviates more than ± 1.0 bar from the adjusted gauge measurement value, then the DTC was likely triggered by a faulty G410 low-side fuel pressure sensor. Document the adjusted gauge measurement value and MVB value on the Repair Order, then perform the *Sensor replacement procedure* below.

Sensor replacement procedure

1. Replace the G410 low-side fuel pressure sensor (Figure 2).

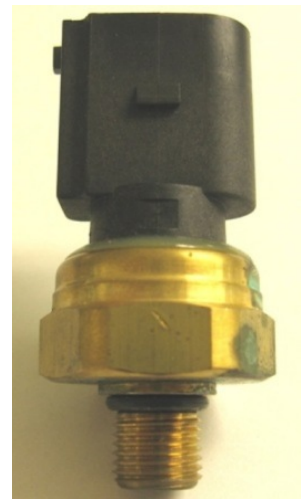


Figure 2. Pressure sensor

2. Clear DTCs and verify that the problem was eliminated.
3. Run Basic Settings 103 to adapt system.
4. Do not replace the high pressure fuel pump, electrical fuel pump, fuel pump control module or fuel filter unless problem persists and further diagnosis indicates a malfunction of any of these components.

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Warranty

Claim Type:	Use applicable claim type. If vehicle is outside any warranty, this Technical Service Bulletin is informational only.		
Service Number:	2409		
Damage Code:	40		
Labor Operations:	Fuel pressure sender remove + reinstall	2409 XXXX (See Elsa for specific vehicle/engine)	See Elsa
Diagnostic Time:	GFF	0150 0000	Time stated on diagnostic protocol
	Measuring fuel pressure with VAG 1318 mechanical gauge	2409 0399	Max 40 TU
	Road test prior to service procedure	No allowance	0 TU
	Road test after service procedure	0121 0004	10 TU
	Technical diagnosis at dealer's discretion (Refer to Section 2.2.1.2 and Audi Warranty Online for DADP allowance details)		
Claim Comment:	As per TSB #2015106/9		

All warranty claims submitted for payment must be in accordance with the *Audi Warranty Policies and Procedures Manual*. Claims are subject to review or audit by Audi Warranty.

Required Parts and Tools

Part Number	Part Description	Quantity
06E906051K	Thrust sensor	1
03C906051A	Thrust sensor for 3.6 V6 motor (engine code BHK)	1

Additional Information

All parts and service references provided in this TSB (2015106) are subject to change and/or removal. Always check with your Parts Department and service manuals for the latest information.