# Technical Service Bulletin

**MIL on (DTC P310B and/or P129F)**

24 07 19 2015106/3 Nov. 19, 2007. Supersedes Technical Service Bulletin Group 24 number 07-08 dated June 19, 2007 to update parts numbers.

| Model(s) | Year | VIN Range | Vehicle-Specific Equipment |
|---|---|---|---|
| A3 | 2006 – 2007 | All | 2.0L TFSI Engines |
| A4 | 2005 – 2007 | All | 2.0L TFSI and 3.2L FSI Engines |
| A6 | 2005 – 2007 | All | 3.2L FSI and 4.2L FSI Engines |
| A8 | 2007 | All | 4.2L FSI Engine |
| Audi Q7 | 2007 | All | 3.6L FSI and 4.2L FSI Engines |

## Condition

MIL on due to **DTC P310B** and/or **P129F** present in data memory.

## Technical Background

Due to fuel intrusion into the low pressure side fuel pressure sensor (G410), a false signal may be sent to the controller resulting in a reading that is out of tolerance. The false signal results in the setting of **DTC P310B** or **DTC P129F** and illumination of the malfunction indicator lamp.

## Production Solution

G410 fuel pressure sensor improved to be more resistant to fuel intrusion.

## Service

**For all FSI vehicles except the 3.2L FSI:**

1. Check to ensure:
   - **DTC P310B** and/or **P129F** is present in data memory.
   - No other fuel delivery system DTCs that clearly indicate a component failure (DTCs for fuel delivery system component electrical faults) are present.
2. Start engine and allow it to idle.
3. Disconnect the fuel metering valve connector (N276 or N290) on the high pressure fuel pump.
4. Compare fuel pressure values from MVB 103 field 1 and MVB 106 field 1.

**For vehicles with 3.2L FSI engines:**

1. Check to ensure:

- **DTC P310B** and/or **P129F** is present in data memory.
- No other fuel delivery system DTCs that clearly indicate a component failure (DTCs for fuel delivery system component electrical faults) are present.

If both conditions are met, continue with this procedure.

2. Start engine and allow to idle for at least one minute.
3. Stop the engine.
4. Keep the ignition on.
5. Measure actual low-side fuel pressure via mechanical gauge (VAG 1318) on the low pressure supply line in the engine compartment (Figure 1).

***Figure 1.*** *VAG 1318 gauge installed on an A3 2.0L TFSI vehicle.*

6. Add 1 bar to the value obtained from the mechanical gauge to calculate the adjusted gauge measurement.
7. Compare the adjusted gauge measurement to the value stored in MVB 103 field 1.

**Tip:** The MVB 103 field 1 value should be approximately 1 bar above the mechanical gauge reading. This is a normal condition and does not indicate a faulty sensor

**For all vehicles with FSI engines except the 3.2L FSI:**

If the MVB 103 value deviates more than ±0.5 bar from the MVB 106 measurement, then the DTC was likely triggered by a faulty G410 low-side fuel pressure sensor. In this case, perform the sensor replacement procedure below:

**For vehicles with 3.2L FSI engines:**

If the MVB 103 field 1 value deviates more than ±1.0 bar from the adjusted gauge measurement, then the DTC was likely triggered by a faulty G410 low-side fuel pressure sensor. In this case, perform the sensor replacement procedure below:

Sensor replacement procedure.

1. Replace the G410 low-side fuel pressure sensor.

***Figure 2.*** *Fuel pressure sensor* ***06E 906 051 J****.*

2. Clear DTCs and verify that the problem was eliminated.

3. Run Basic Settings 103 to adapt system.
4. Do not replace fuel pump, fuel pump control module or fuel filter unless problem persists.

## Warranty

When procedure applies to vehicles under warranty, use the following:

**WIN**

| | | | |
|---|---|---|---|
| Claim Type: | W2 | | |
| Part Identifier: | 2409 | | |
| Damage Code: | 2409 40 002 2 | | |
| Labor Operations: | 2409 XX XX<br>See ElsaWeb for vehicle-specific Labor Operation Code | Fuel pressure sender remove + reinstall | See ElsaWeb for vehicle specific SRT |
| Diagnostic Time: | Diagnostic time reimbursement follows guidelines printed in Section 2.2 of the *Audi Warranty Policies and Procedures Manual* | | |
| Claim Comment: | As per TSB #2015106/3 | | |
| 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. | | | |

**SAGA**

| | | | |
|---|---|---|---|
| Claim Type: | 110 | | |
| Service Number: | 2409 | | |
| Damage Code: | 0040 | | |
| Labor Operations: | 2409 XX XX<br>See ElsaWeb for vehicle-specific Labor Operation Code | Fuel pressure sender remove + reinstall | See ElsaWeb for vehicle specific SRT |

| | |
|---|---|
| Diagnostic Time: | Diagnostic time reimbursement follows guidelines printed in Section 2.2 of the *Audi Warranty Policies and Procedures Manual* |
| Claim Comment: | As per TSB #2015106/3 |
| 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 |
|---|---|---|
| 06E 906 051 J | Thrust sensor | 1 |
| 03C 906 051 A | Thrust sensor for for 3.6 V6 motor (engine code BHK) | 1 |

## Additional Information

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