



Technical Bulletin

| Model(s) | Year | Eng. Code | Trans. Code | VIN Range From | VIN Range To |
|---|-----------|----------------------|-------------|----------------|--------------|
| Tiguan, Eos, CC, GTI, Beetle, Jetta | 2009-2013 | 2.0L (CCTA, CBFA) | All | All | All |

Condition

20 12 02 November 21, 2012 2031426

High Pressure Fuel Pump Diagnosis

Engine Crank, No Start after Long Periods without Driving. Engine may run rough, and or MIL-ON with DTC P0087-low fuel pressure stored in ECM Fault Memory.

Technical Background

Completing the GFF high pressure pump function test is essential to diagnose proper pump operation and to avoid unnecessary replacements.

Production Solution

N/A

Service

Guided fault finding provides a function test for the high pressure fuel pump. This test must be performed in order to properly diagnose the high pressure fuel pump.



Note:

A completed high pressure fuel pump function test is required for reimbursement.

Following completion of the function test:

If the fuel rail pressure is within ± 1 of 40 bar (480 psi.), **DO NOT** replace the high pressure fuel pump. Continue to further diagnose the fuel system.

- With the engine running, check measure value blocks 106, 140 and 141 to confirm fuel rail pressure reads a minimum of 40 bar (480 psi).

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The engine should be switched OFF and the key switched ON to perform the following procedure:

- Enter vehicle self-diagnosis.
- Select OBD.
- Select 01 engine electronics.
- Select 005 – output diagnostic test mode (DTM).
- VAS will run diagnostics.
- When the test starts to check operation of the “fuel pressure regulator 2 control circuit high” (figure 1), listen for an audible “click” sound coming from the N276 pressure regulator.



Tip:

The audible “click” sound may be better heard with hood open and the engine cover removed.

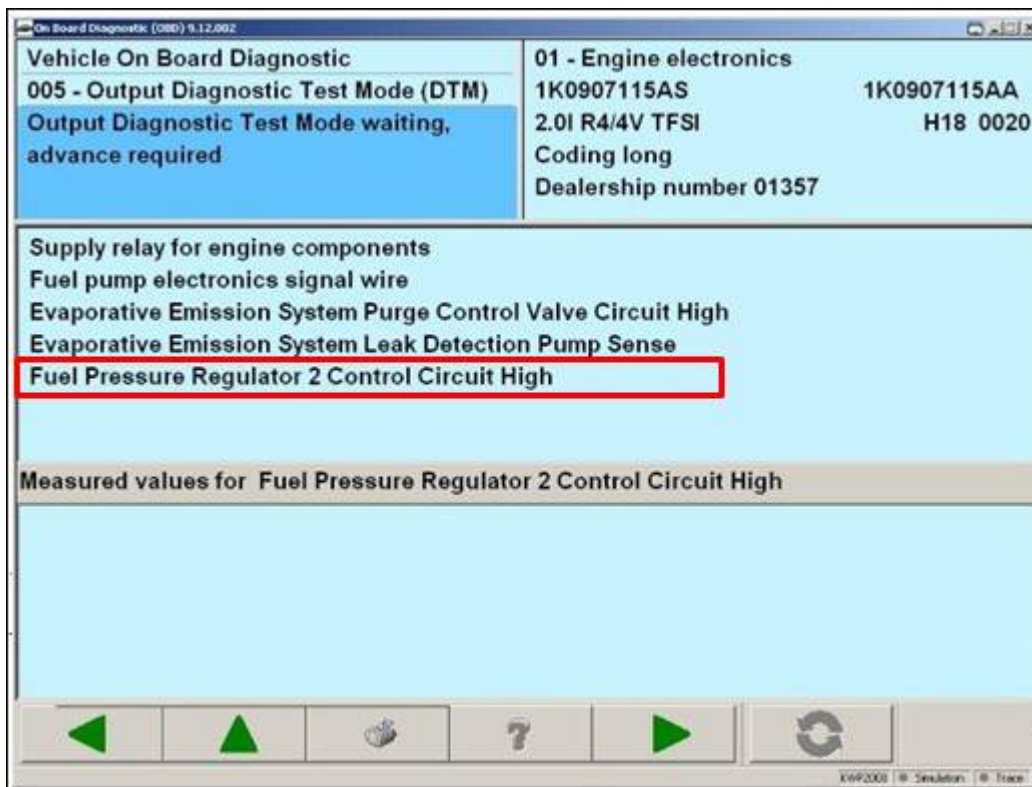


Figure 1

- If “click” noise is heard, **DO NOT** replace the high pressure fuel pump, this bulletin will not apply. Continue to further diagnose the fuel system.
- If “click” noise is **not** heard, replace the high pressure fuel pump.
- Following completion of the test procedure, the vehicle should be driven with higher RPM’s (3000 – 5500) to confirm the fault does not return.

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Warranty

| To determine if this procedure is covered under Warranty, always refer to the Warranty Policies and Procedures Manual ¹⁾ | | | | | |
|---|-------------------------------------|----------------------|--|----------------|--------------|
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| Tiguan, Eos, CC, GTI, Beetle, Jetta | 2009-2013 | 2.0L (CCTA, CBFA) | All | All | All |
| SAGA Coding | | | | | |
| Claim Type: | | | Use applicable Claim Type ¹⁾ | | |
| Service Number: | Damage Code | HST | Damage Location (Depends on Service No.) | | |
| 2463 | 0010 | -- | Use applicable when indicated in ElsaWeb (L/R) | | |
| Parts Manufacturer | Tiguan, Eos, CC, GTI, Beetle, Jetta | | BPF | | |
| Tiguan | | | | | |
| Labor Operation ³⁾ : Remove and Install High Pressure Fuel Pump | | | 24631940 = 50 TU | | |
| Eos | | | | | |
| Labor Operation ³⁾ : Remove and Install High Pressure Fuel Pump | | | 24631920 = 70 TU | | |
| CC | | | | | |
| Labor Operation ³⁾ : Remove and Install High Pressure Fuel Pump | | | 24631918 = 50 TU | | |
| GTI | | | | | |
| Labor Operation ³⁾ : Remove and Install High Pressure Fuel Pump | | | 24631920 = 70 TU | | |
| Beetle | | | | | |
| Labor Operation ³⁾ : Remove and Install High Pressure Fuel Pump | | | 24631918 = 50 TU | | |

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| Jetta | | |
|--|-----------------------|-----|
| Labor Operation ³⁾ : Remove and Install High Pressure Fuel Pump | 24631918 = 50 TU | |
| Causal Part: | 06H 127 025N | |
| Diagnostic Time ⁴⁾ | | |
| GFF Time expenditure | 01500000 = 30 TU max. | YES |
| Road Test | 01210002 01210004 | YES |
| Technical Diagnosis | 01320000 = 25 TU max | YES |
| Claim Comment: Input "As per Technical Bulletin 2031426" in comment section of Warranty Claim. | | |
| ¹⁾ Vehicle may be outside any Warranty in which case this Technical Bulletin is informational only ²⁾ Code per warranty vendor code policy. ³⁾ Labor Time Units (TUs) are subject to change with ELSA updates. ⁴⁾ Documentation required per Warranty Policies and Procedures Manual. | | |

Required Parts and Tools

| Part Description | Part No: | Quantity |
|-------------------------|--------------|----------|
| High Pressure Fuel Pump | 06H 127 025N | 1 |

| Tool Description | Tool No: |
|-----------------------------------|---|
| Midtronics Battery Tester/Charger | InCharge 940 (INC-940) |
| VAS Diagnostic Tool | VAS-PC, 5051B, 5052A, 6150X (Base CD V19.01.00 and Brand DVD V19.18.00 or higher) |

Additional Information

All part and service references provided in this Technical Bulletin are subject to change and/or removal. Always check with your Parts Dept. and Repair Manuals for the latest information.