

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.

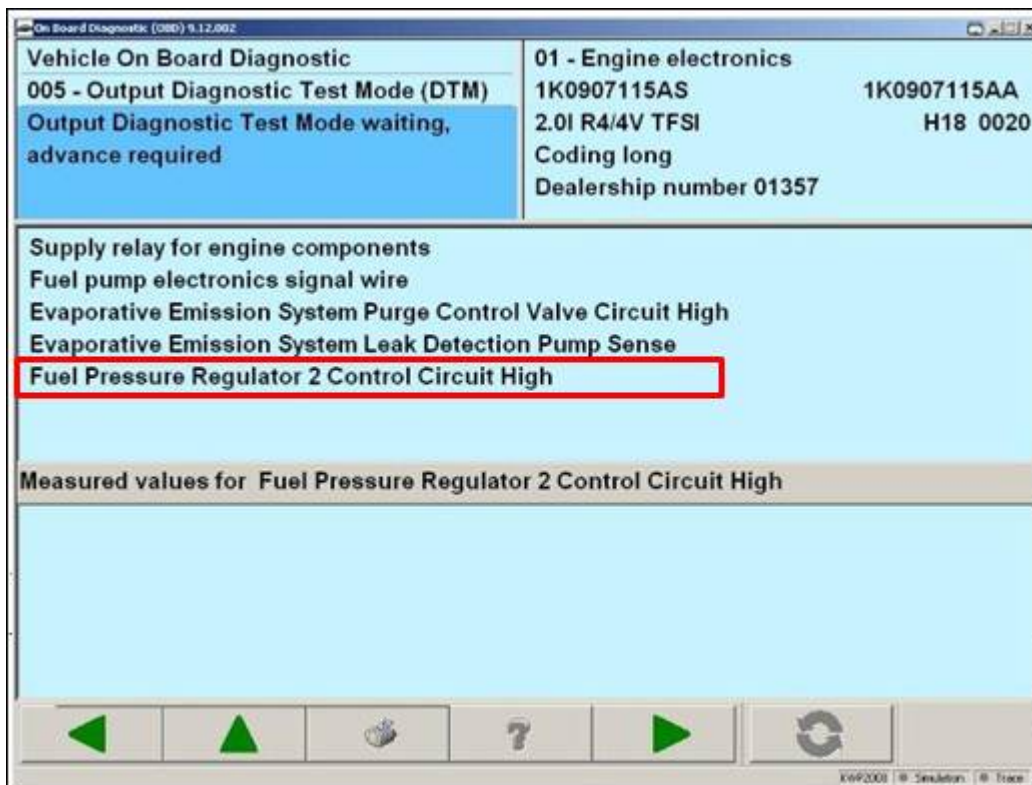


Figure 1

- 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.		
<p>¹⁾ Vehicle may be outside any Warranty in which case this Technical Bulletin is informational only</p> <p>²⁾ Code per warranty vendor code policy.</p> <p>³⁾ Labor Time Units (TUs) are subject to change with ELSA updates.</p> <p>⁴⁾ Documentation required per Warranty Policies and Procedures Manual.</p>		

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.