



Technical Bulletin

Model(s)	Year	Eng. Code	Trans. Code	VIN Range From	VIN Range To
Jetta, Jetta Wagon	2009-2010	2.0L TDI (CBEA,CJAA)	All	All	All
(A6) Golf, Jetta, Jetta SportWagen, (A7) Golf	2010-2015	2.0L TDI (CJAA, CRUA, CVCA)	All	All	All
Passat	2012-2015	2.0L TDI (CKRA, CVCA)	All	All	All
Beetle, Beetle Convertible	2012-2015	2.0L TDI (CJAA, CVCA)	All	All	All

Condition

28 16 01 January 14, 2016 **2037386** Supersedes Technical Bulletin V281404 dated September 24, 2014 to update Jetta warranty labor operation 28841933 due to ELSA updates.

MIL ON - Glow Plug Pressure Sensor Faults Stored in ECM Fault Memory

DTC	Description
P13CE	Sensor for internal pressure of cylinder 1 Electrical error
P13CF	Sensor for internal pressure of cylinder 1 Short circuit to ground
P13D0	Sensor for internal pressure of cylinder 1 Implausible signal
P13D1	Sensor for internal pressure of cylinder 2 Electrical error
P13D2	Sensor for internal pressure of cylinder 2 Short circuit to ground
P13D3	Sensor for internal pressure of cylinder 2 Implausible signal



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P13D4	Sensor for internal pressure of cylinder 3 Electrical error
P13D5	Sensor for internal pressure of cylinder 3 Short circuit to ground
P13D6	Sensor for internal pressure of cylinder 3 Implausible signal
P13D7	Sensor for internal pressure of cylinder 4 Electrical error
P13D8	Sensor for internal pressure of cylinder 4 Short circuit to ground
P13D9	Sensor for internal pressure of cylinder 4 Implausible signal
P13E0	Sensor for internal pressure of cylinder 1 Malfunction
P13E1	Sensor for internal pressure of cylinder 2 Malfunction
P13E2	Sensor for internal pressure of cylinder 3 Malfunction
P13E3	Sensor for internal pressure of cylinder 4 Malfunction

Technical Background

When diagnosing MIL ON with glow plug pressure sensor DTC's it important to perform diagnosis prior to replacing the glow plug.

Production Solution

Implemented into production.



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Service

Step 1:

When diagnosing a glow plug pressure sensor DTC, before replacing the glow plug, first check for loose connections. You can check for any loose connections by performing a push or pull test of the connectors. If on a push test, a click can be felt or on a pull test, the connector comes off very easily, the connection is most likely the cause. Properly seat the connector, clear any DTCs, and test drive the vehicle. **DO NOT replace the glow plug if a loose connection is found and no faults return after test drive. If fault returns, continue to step 2.**

Step 2:

A check of the glow plug can be performed by swapping the glow plug from the affected cylinder with the glow plug from an adjacent cylinder without a fault.



Note:

Ensure when re-securing the connector that connector is fully seated.

After swapping the glow plug(s), perform a test drive of the vehicle to attempt to duplicate the DTC.



Note:

It may take two drive cycles for the MIL to illuminate.

If after swapping the glow plug, the DTC follows the glow plug, there is a faulty glow plug. Replace the glow plug. **If the DTC stays in the same cylinder after swapping the glow plug continue to step 3.**

Step 3: Glow plug wiring harness and connectors should be checked.

While checking the harness you can monitor MVB 141 or in UDS equipped vehicles monitor the Maximal_Cylinder_Pressure_Cylinder_X values for each cylinder while manipulating the harness and connectors, watching for changes in the readings. If the harness is found to be at fault, replace the harness.



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Warranty

Step 1

To determine if this procedure is covered under Warranty, always refer to the Warranty Policies and Procedures Manual ¹⁾					
Model(s)	Year(s)	Eng. Code(s)	Trans. Code(s)	VIN Range From	VIN Range To
Jetta, Jetta Wagon (A5)	2009-2010	2.0L TDI (CBEA,CJAA)	All	All	All
(A6) Golf, Jetta, Jetta SportWagen, (A7) Golf	2010-2015	2.0L TDI (CJAA, CRUA, CVCA)	All	All	All
Passat	2012-2015	2.0L TDI (CKRA, CVCA)	All	All	All
Beetle, Beetle Convertible	2012-2015	2.0L TDI (CJAA, CVCA)	All	All	All
SAGA Coding					
Claim Type:	Use applicable Claim Type ¹⁾				
Service Number:	Damage Code	HST		Damage Location (Depends on Service No.)	
9752	0028	--		Use applicable when indicated in Elsa (L/R)	
Parts Manufacturer	Golf, Passat		WVO ²⁾		
	Jetta, Jetta Sportwagen, Beetle, Beetle Convertible		3ME ²⁾		
Labor Operation ³⁾ : Engine Wiring Harness Connection Repair			97524199 = 10 TU		



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Causal Part: Select Labor operation		97524199
Diagnostic Time ⁴⁾		
GFF Time expenditure	01500000 = 20 TU max.	YES
Road Test	01210004 = 10 TU	YES
Technical Diagnosis (Includes wiring checks)	01320000 = 30 TU max.	YES
Claim Comment: Input "As per Technical Bulletin 2037386" 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>		

OR

Step 2

To determine if this procedure is covered under Warranty, always refer to the Warranty Policies and Procedures Manual ¹⁾					
Model(s)	Year(s)	Eng. Code(s)	Trans. Code(s)	VIN Range From	VIN Range To
Jetta, Jetta Wagon (A5)	2009-2010	2.0L TDI (CBEA,CJAA)	All	All	All
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Passat	2012-2015	2.0L TDI (CKRA, CVCA)	All	All	All
Beetle, Beetle Convertible	2012-2015	2.0L TDI (CJAA, CVCA)	All	All	All



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SAGA Coding			
Claim Type:	Use applicable Claim Type ¹⁾		
Service Number:	Damage Code	HST	Damage Location (Depends on Service No.)
2884	0040	--	Use applicable when indicated in Elsa (L/R)
Parts Manufacturer	Jetta, Jetta Sportwagen, Beetle, Beetle Convertible, Passat, Golf		BEO ²⁾
Passat			
Labor Operation ³⁾ : Glow plug removed+reinstalled		28841933 = 40 TU	
OR			
Labor Operation ³⁾ : 4 Glow plugs removed+reinstalled		28842033 = 50 TU	
2009-2010 Jetta 2009 Jetta Wagon, 2010 -2015 Jetta SportWagen, 2010-2014 Golf			
Labor Operation ³⁾ : Glow plug removed+reinstalled		28841933 = 40 TU	
OR			
Labor Operation ³⁾ : 4 Glow plugs removed+reinstalled		28842033 = 70 TU	
2011-2015 Jetta, Beetle, Beetle Convertible			
Labor Operation ³⁾ : Glow plug removed+reinstalled		28841933 = 50 TU	
OR			
Labor Operation ³⁾ : 4 Glow plugs removed+reinstalled		28842033 = 70 TU	
2015 Golf			
Labor Operation ³⁾ : Glow plug removed+reinstalled		28841905 = 30 TU	



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OR		
Labor Operation ³⁾ : 4 Glow plugs removed+reinstalled	28842005 = 40 TU	
Causal Part: Glow Plug	03L 905 061G	
Diagnostic Time ⁴⁾		
GFF Time expenditure	01500000 = 40 TU max.	YES
Road Test	01210004 = 10 TU	YES
Technical Diagnosis (Includes additional drive cycles)	01320000 = 90 TU max.	YES
Claim Comment: Input "As per Technical Bulletin 2037386" 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>		

OR

Step 3

To determine if this procedure is covered under Warranty, always refer to the Warranty Policies and Procedures Manual ¹⁾					
Model(s)	Year(s)	Eng. Code(s)	Trans. Code(s)	VIN Range From	VIN Range To
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(A6) Golf, Jetta, Jetta SportWagen, (A7) Golf	2010-2015	2.0L TDI (CJAA, CRUA, CVCA)	All	All	All
Passat	2012-2015	2.0L TDI (CKRA, CVCA)	All	All	All



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Beetle, Beetle Convertible	2012-2015	2.0L TDI (CJAA, CVCA)	All	All	All
SAGA Coding					
Claim Type:	Use applicable Claim Type ¹⁾				
Service Number:	Damage Code	HST		Damage Location (Depends on Service No.)	
9752	0040	--		Use applicable when indicated in Elsa (L/R)	
Parts Manufacturer	Golf, Passat		WVO ²⁾		
	Jetta, Jetta Sportwagen, Beetle, Beetle Convertible,		3ME ²⁾		
Passat					
Labor Operation ³⁾ : Remove and Install Engine Wiring Harness (CKRA)			97521933 = 290 TU		
Labor Operation ³⁾ : Remove and Install Engine Wiring Harness (Gen 3 CVCA)			97521905 = 420 TU		
Jetta, Jetta Sportwagen, Golf, Beetle, Beetle Convertible					
Labor Operation ³⁾ : Remove and Install Engine Wiring Harness			97521933 = 330 TU		
2015 Golf					
Labor Operation ³⁾ : Remove and Install Engine Wiring Harness (Gen 3)			97521905 = 290 TU		
Causal Part: Engine Harness			03L 971 *** (See ETKA)		
Diagnostic Time ⁴⁾					
GFF Time expenditure	01500000 = 60 TU max.		YES		
Road Test	01210004 = 10 TU		YES		
Technical Diagnosis	01320000 = 120 TU max.		YES		



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(Includes wiring harness checks)		
Claim Comment: Input "As per Technical Bulletin 2037386" in comment section of Warranty Claim.		
<ol style="list-style-type: none"> 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 No:	Part Description	Quantity
03L 905 061G	Glow Plug	As required
03L 971 *** (See ETKA)	Engine Harness	As required

Tool Description	Tool No:
Midtronics Battery Tester/Charger	InCharge 940 (INC-940) or GRX3000VAS
VAS Diagnostic Tool	VAS 6150/X & VAS 6160/X and ODIS Service with: current online updates

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.