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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
Golf, Jetta, Jetta SportWagen	2010-2014	2.0L TDI (CJAA)	All	All	All
Passat	2012-2014	2.0L TDI (CKRA)	All	All	All
Beetle, Beetle Convertible	2012-2014	2.0L TDI (CJAA)	All	All	All

Condition

28 14 03 July 11, 2014 2037386

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
P13D4	Sensor for internal pressure of cylinder 3 Electrical error
P13D5	Sensor for internal pressure of cylinder 3 Short circuit to



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	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
Golf, Jetta, Jetta SportWagen (A6)	2010-2014	2.0L TDI (CJAA)	All	All	All
Passat	2012-2014	2.0L TDI (CKRA)	All	All	All
Beetle, Beetle Convertible	2012-2014	2.0L TDI (CJAA)	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 ElsaWeb (L/R)		
Parts Manufacturer	Golf		WVO ²⁾		
	Jetta, Jetta Sportwagen, Beetle, Beetle Convertible, Passat		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.		
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.		

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
Golf, Jetta, Jetta SportWagen (A6)	2010-2014	2.0L TDI (CJAA)	All	All	All
Passat	2012-2014	2.0L TDI (CKRA)	All	All	All



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Beetle, Beetle Convertible	2012-2014	2.0L TDI (CJAA)	All	All	All
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 ElsaWeb (L/R)		
Parts Manufacturer	Golf		BEO ²⁾		
	Jetta, Jetta Sportwagen, Beetle, Beetle Convertible, Passat		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			
Jetta, Jetta Sportwagen, Golf, 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			
Causal Part: Glow Plug		03L 905 061F			
Diagnostic Time ⁴⁾					
GFF Time expenditure	01500000 = 40 TU max.		YES		
Road Test	01210004 = 10 TU		YES		



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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.		
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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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Golf, Jetta, Jetta SportWagen (A6)	2010-2014	2.0L TDI (CJAA)	All	All	All
Passat	2012-2014	2.0L TDI (CKRA)	All	All	All
Beetle, Beetle Convertible	2012-2014	2.0L TDI (CJAA)	All	All	All
SAGA Coding					
Claim Type:	Use applicable Claim Type ¹⁾				



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Service Number:	Damage Code	HST	Damage Location (Depends on Service No.)
9752	0040	--	Use applicable when indicated in ElsaWeb (L/R)
Parts Manufacturer	Golf	WVO ²⁾	
	Jetta, Jetta Sportwagen, Beetle, Beetle Convertible, Passat	3ME ²⁾	
Passat			
Labor Operation ³⁾ : Remove and Install Engine Wiring Harness		97521933 = 290 TU	
Jetta, Jetta Sportwagen, Golf, Beetle, Beetle Convertible			
Labor Operation ³⁾ : Remove and Install Engine Wiring Harness		97521933 = 330 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 (Includes wiring harness checks)	01320000 = 120 TU max.	YES	
Claim Comment: Input "As per Technical Bulletin 2037386" in comment section of Warranty Claim.			
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Required Parts and Tools

Part No:	Part Description	Quantity
03L 905 061F	Glow Plug	As required
03L 971 *** (See ETKA)	Engine Harness	As required

Tool Description	Tool No:
Midtronics Battery Tester/Charger	InCharge 940 (INC-940)
VAS Diagnostic Tool	VAS 5051B, VAS 5052A, VAS 6150/X & VAS 6160/X with: ODIS Service 2.0.0 or higher 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.