SB-10051479-2038

Technical Bulletin



Model(s)	Year(s)	Eng. Code(s)	Trans. Code(s)	VIN Range From	VIN Range To
Passat	2012-2013	2.5L	All	A3_CC040904	A3_CD999999
Beetle	2012-2013	2.5L-2.0T	All	AT_CM621164	AT_DM999999
Jetta	2012-2013	2.5L-2.0T	All	AJ_CM362729	AJ_CD999999

Condition

01 12 33 December 4, 2012 2031341 Supersedes T.B. V011232 dated November 30, 2012 to correct labor operations in warranty table.

DTC P0441 Stored in the Engine Control Module

DTC	Description
	EVAP Emission Control System Incorrect Purge Flow

Technical Background

Production tolerance in Diagnostic Module Tank Leakage (DMTL) pump could cause a false flow reading.

Production Solution

Updated DMTL pumps as of pumps' production date September 2012. (Pumps marked with a dot (color may vary blue, green, white and yellow), implementation dates from plants unavailable at this time).

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UNote: Dot color may vary blue, green, white and yellow.

Service

Note:

A completed DMTL function test is required for reimbursement.

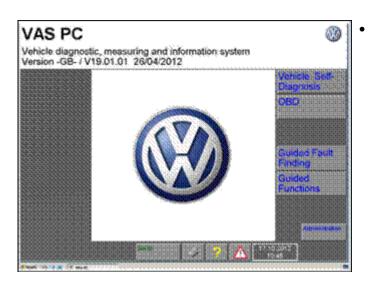
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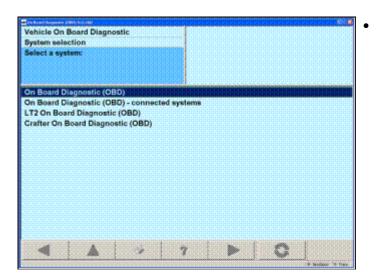
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Perform the following steps to test the DMTL system.

- Start Engine.
- Connect VAS-Tester to vehicle.





Start "Vehicle Self-Diagnosis".

Open "On Board Diagnostic (OBD)".

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/ehicle On Board Diagnostic	1VWBH7A	35CC000725	
Select vehicle system			
Vehicle system	Coded:	Actual installation	KD Bit
1001 - Compiling services			
19 - Diagnostic interface for data bus	Yes	can be reached	OK
01 - Engine electronics	Yes	can be reached	OK
02 - Gearbox electronics	Yes	can be reached	OK
03 - Brake electronics	Yes	can be reached	OK
04 - Steering angle sensor	Yes	can be reached	OK
15 - Airbag	Yes	can be reached	OK
17 - Instrument cluster	Yes	can be reached	OK
25 - Immobilizer	Yes	can be reached	OK
09 - Electronic central electronics	Yes	can be reached	Error
46 - Convenience system central module	Yes	can be reached	OK
42 - Driver door electronics	Yes	can be reached	Error
52 - Passenger door electronics	Yes	can be reached	OK
4 4 4 4 4	ey		

• Start Diagnostic session with "01 Engine Electronics".

Vehicle On Board Diagnostic Functions supported	01 - Engine electronics B3A12_M14W42	07K907309B *
Select diagnostic function	2,5I R5/4V?????* 01 Coding 75 Dealership number 01500	H04 2604
001 - Identification (Service \$1A) 004 - DTC memory content 005 - Output Diagnostic Test Mode (D 006 - Basic setting)	
007 - Coding (Service \$1A) 011 - Measured values		
012 - Adaptation		
015 - Access authorization		
017 - Safety		
020 - Special function 022 - End output		
Display all diagnostic functions		
	7 1 0	
		TWATER IN Desember IN Links

Select "011 Measurement Values".

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011 - I Enter	Measured v display gro	oup	kç	 B3A12 2,51 R5	gine electro M14W42 4V77777* 0			07К90 Н	73098 04 26	
max. I	input value	= 204		Coding Dealer	i 75 ship numbe	r 01500				
									30	1
							1	2	3	
							4	5	8	
							7	8	9	
							с	0	٩	

Select "MVB 30".

	and the second se	
Vehicle On Board Diagnostic	01 - Engine electronics	
011 - Measured values	B3A12_M14W42	07K9073098
Display group 30	2,5I R5I4V77777* 01	H04 2604
	Coding 75	
	Dealership number 01500	
Measured values		
	00000	
	0000	
		Display
		group
		30
	1	

Make sure the second "0" from the right in row one changes to "1".

•

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Display group 30	B3A12_M14W42 2,5I R5/4V77777* 01	07K907309B * H04 2604
	Coding 75 Dealership number 01500	
leasured values		
	00111 0000	
		Display group
		30
		A V

• If the bit changed to "1' or is already "1" exit MVB.

- In tracit is speed to b							al da
Functions 8	Board Diagno upported lostic function		8 2, C	3A12_M14 5I R5/4V? oding 75	electronics 4W42 177??* 01 number 015	07	*K907309B * H04 2604
004 - DTC m	ication (Servis emory conten t Diagnostic T	•)TM)				
006 - Basic e							
	g (Service \$1A	0					
011 - Measu 012 - Adapta							
	nion s authorizatio						
017 - Safety	•	.					
020 - Specia							
022 - End ou							
Display all d	liagnostic fun	ctions					
-		\$	7			0	
			******			100200	

Enter "006 Basic Settings".

•

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ehicle On Board Diagnostic 06 - Basic setting	01 - Engine electronics B3A12_M14W42	07K9073098
inter display group nax. input value = 256	2,51 R5/4V7????? 01 Coding 75 Dealership number 01500	H04 2604
		70
		1 2 3
	_	4 5 0
	_	7 8 9
		c o q
	7 1 1 2	

Vehicle On Board Diagnost 01 - Engine electronics B3A12_M14W42 07K907309B 006 - Basic setting Display group 70 Measured values not in basic setting 2,51 R54V77777* 01 H04 2604 Coding 75 Dealership number 01500 Measured values not in basic setting 0.% Activate 19.8 mA 19.8 mA TWV is OK Display group 76 Measured values in basic setting 2 Activate 0

• Select "Basic Settings 70".

Select "Activate".

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Producers for bland	000000000000000000000000000000000000000	35555555555555555555555555555555555555
Vehicle On Board Diagnostic	01 - Engine electronice	
006 - Basic setting	B3A12_M14W42	07K9073098 *
Display group 70	2,5i R5/4V77777 01	H04 2604
Measured values in basic setting	Coding 75	
	Dealership number 01500	
Measured values not in basic setting		
	0%	Activate
	20.2 mA	
	20.2 mA	
	TVV is OK	Display
		group
Measured values in basic setting		70
	44 X	and a
Screen (printer)	20.2 mA	mananand
	20.2 mA	
	TVV Is OK	
		Activate
	· · · · · ·	

Тір

No engine restarts necessary!

If maximum value is less than 70%, DMTL is OK, replace the Purge Valve.

If maximum value is greater than 70%, DMTL is not OK and needs to be replaced.

If maximum value is close to 70%, rerun the test 2 more times to get a more accurate reading.

Note:

If percentage value is in question, please contact the Volkswagen Technician Helpline for further instructions.

Note:

When replacing the DMTL, ONLY replace the pump and not the whole assembly. Claims with DMTL assemblies will be subject to warranty review and potential debit.

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Check maximum value in row one (lower window).



Warranty

Purge Valve Replacement

Model(s)	Year(s)		Eng. Code(s)	Trans. Code(s)	VIN Ra	nge From	VIN Range To	
Passat	2012-20 ²	3	2.5L	All	A3_C	C040904 A3_CD9999		
Beetle	2012-2013		2.5L-2.0T	All	AT_CM621164		AT_DM999999	
Jetta	2012-20 ²	3	2.5L-2.0T	All	AJ_C	M362729	AJ_CD999999	
SAGA Coding								
Claim Type:		Use a	applicable Claim	Type ¹⁾				
Service Nu	umber:		Damage Code	HST		Damage Location (Depends on Service No.)		
2024	2024 0010				Use applicable when indicated in ElsaWeb (L/R)			
Parts Manu	facturer		Passat, Be	etle, Jetta 2.0T			CFW ²⁾	
			Passat, Be	etle, Jetta 2.5L			BOG ²⁾	
			Pass	at 2.5L				
Labor Operation Cover	³⁾ : Remove a	and In:	stall Engine	24251917 = 30 TU				
Labor Operation Valve:	³⁾ : Remove a	and In	stall Purge	20241967 = 10 TU				
			Beet	le 2.5L				
Labor Operation Cover	³⁾ : Remove a	and In	stall Engine	<mark>24251917 = 30 TU</mark>				
Labor Operation Valve:	³⁾ : Remove a	and In	stall Purge	20241967 = 10 TU				

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		I			
Labor Operation ³⁾ : Remove and In Cover/Intake Manifold	stall Engine	24471918 = 250 1	ſU		
Labor Operation ³⁾ : Remove and In Valve:	stall Purge	20241968 = 10 TU			
	Jetta 2.5L				
Labor Operation ³⁾ : Remove and In Cover	stall Engine	24251917 = 30 TU	J		
Labor Operation ³⁾ : Remove and In Valve:	stall Purge	20241967 = 10 TU	J		
Jetta 2.0T					
Labor Operation ³⁾ : Remove and In Cover/Intake Manifold	stall Engine	<mark>24471918 = 250 TU</mark>			
Labor Operation ³⁾ : Remove and In Valve:	stall Purge	20241968 = 10 TU			
Causal Part: Purge Valve -N80-		06J 133 781* 2.0T 06E 906 517 * 2.5L			
	Diagnos	tic Time ⁴⁾			
GFF Time expenditure	01500000 = 20 T	U max.	YES		
Road Test	01210002, 01210	004	NO		
Technical Diagnosis	01320000 = 10 T	U max.	YES		
Claim Comment: Input "As per Tec	hnical Bulletin 20	31341" in comme	nt section of Warranty Claim.		
¹⁾ Vehicle may be outside any V	Narranty in which	case this Technic	cal Bulletin is informational only		
²⁾ (Code per warranty	vendor code pol	icy.		
³⁾ Labor Time U	nits (TUs) are sub	ject to change wit	h ELSA updates.		
		arranty Policy Pro	-		



Leak Detection Pump (DMTL) Replacement

Note:

When replacing the DMTL, ONLY replace the pump and not the whole assembly. Claims with DMTL assemblies will be subject to warranty review and potential debit.

To determine if t Procedures Man		re is c	overed under Wa	rranty, always ref	er to the Wa	arranty P	olicies and
Model(s)	Year(s)		Eng. Code(s)	Trans. Code(s)	VIN Range From		VIN Range To
Passat	2012-2013		2.5L	All	A3_CC040904		A3_CD999999
Beetle	2012-2013		2.5L-2.0T	All	AT_CM621164		AT_DM999999
Jetta	2012-2013		2.5L-2.0T	All	AJ_CM362729		AJ_CD999999
SAGA Coding							
Claim Type: Use applicable Claim			Type ¹⁾				
Service Number:			Damage Code				ation (Depends rvice No.)
2048			0010				icable when ElsaWeb (L/R)
Parts Manufacturer			Passat, Jetta, Beetle				BVD ²⁾
			Pass	sat 2.5L			
Labor Operation ³⁾ : Remove and Install Wheel			44051900 = 20 TU				
Labor Operation ³⁾ : Remove and Install Wheel Liner			66761950 = 20 TU				
Labor Operation ³⁾ : Remove and Install Leak Detection Pump			20481950 = 10 TU				
Beetle 2.5L/2.0T							
Labor Operation ³⁾ : Remove and Install Leak Detection Pump			20481900 = 90 TU				
Jetta 2.5L/2.0T							
Labor Operation ³⁾ : Remove and Install Wheel				44051900 = 20 TU	U		
Labor Operation ³⁾ : Remove and Install Wheel Liner			66761950 = 20 TU	J			

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Labor Operation ³⁾ : Remove a Detection Pump	ind Install Leak	20481950 = 20 TU		
Causal Part: Diagnostic Modu (DMTL) pump	ıle Tank Leakage	7L0 906 243 *		
	Diagno	ostic Time ⁴⁾		
GFF Time expenditure	01500000 = 20 T	ſU max.	YES	
Road Test	01210002, 0121	0004	NO	
Technical Diagnosis	01320000 = 10 T	ſU	YES	
Claim Comment: Input "As pe	er Technical Bulletin 2	2031341" in comm	ent section of Warranty Claim.	
 Vehicle may be outside any Code per warranty vendor of 	•	se this Technical	Bulletin is informational only	
³⁾ Labor Time Units (TUs) are	subject to change wit	h ELSA updates.		
⁴⁾ Documentation required pe	r Warranty Policy Pro	cedures Manual.		

Required Parts and Tools

Part Description	Part No:	Quantity
DMTL	7L0 906 243*	1
N80	06J 133 781* 2.0T	1
	06E 906 517* 2.5L	

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.

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