SB-10051339-6721

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 32 November 30, 2012 2031341

DTC P0441 Stored in the Engine Control Module

DTC	Description
P0441	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).



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

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Service

Note:

A completed DMTL function test is required for reimbursement.

Perform the following steps to test the DMTL system.

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



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On Board Diag	nostic (OBD))				
On Board Diag T2 On Board I Crafter On Boa	nostic (OBD Diagnostic (G rd Diagnosti) - connect OBD) ic (OBD)	ed system	116		

 Open "On Board Diagnostic (OBD)".

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Select vehicle system Cod Vehicle system Cod 1001 - Compiling services 19 19 - Diagnostic interface for data bus Yes 01 - Engine electronics Yes 02 - Gearbox electronics Yes 03 - Brake electronics Yes 04 - Steering angle sensor Yes 15 - Airbag Yes 17 - Instrument cluster Yes 09 - Electronic central electronics Yes 09 - Electronic system central module Yes 42 - Driver door electronics Yes	led: Actual installation KD Bi
Vehicle system Cod 1001 - Compiling services 1 19 - Diagnostic interface for data bus Yes 01 - Engine electronics Yes 02 - Gearbox electronics Yes 03 - Brake electronics Yes 04 - Steering angle sensor Yes 15 - Airbag Yes 17 - Instrument cluster Yes 25 - Immobilizer Yes 09 - Electronic central electronics Yes 45 - Convenience system central module Yes 42 - Driver door electronics Yes	led: Actual installation KD Bi
1001 - Compiling services 19 - Diagnostic interface for data bus Yes 01 - Engine electronics Yes 02 - Gearbox electronics Yes 03 - Brake electronics Yes 04 - Steering angle sensor Yes 15 - Airbag Yes 17 - Instrument cluster Yes 09 - Electronic central electronics Yes 09 - Electronic central electronics Yes 45 - Convenience system central module Yes 42 - Driver door electronics Yes	
19 - Diagnostic interface for data bus Yes 01 - Engine electronics Yes 02 - Gearbox electronics Yes 03 - Brake electronics Yes 04 - Steering angle sensor Yes 15 - Airbag Yes 17 - Instrument cluster Yes 09 - Electronic central electronics Yes 09 - Electronic central electronics Yes 46 - Convenience system central module Yes 42 - Driver door electronics Yes	
01 - Engine electronics Yes 02 - Gearbox electronics Yes 03 - Brake electronics Yes 04 - Steering angle sensor Yes 15 - Airbag Yes 17 - Instrument cluster Yes 09 - Electronic central electronics Yes 09 - Electronic central electronics Yes 42 - Driver door electronics Yes	can be reached OK
02 - Gearbox electronics Yes 03 - Brake electronics Yes 04 - Steering angle sensor Yes 15 - Airbag Yes 17 - Instrument cluster Yes 25 - Immobilizer Yes 09 - Electronic central electronics Yes 46 - Convenience system central module Yes 42 - Driver door electronics Yes	can be reached OK
03 Brake electronics Yes 04 - Steering angle sensor Yes 15 - Airbag Yes 17 - Instrument cluster Yes 25 - Immobilizer Yes 09 - Electronic central electronics Yes 46 - Convenience system central module Yes 42 - Driver door electronics Yes	can be reached OK
D4 - Steering angle sensor Yee 15 - Airbag Yes 17 - Instrument cluster Yes 25 - Immobilizer Yes 09 - Electronic central electronics Yes 46 - Convenience system central module Yes 42 - Driver door electronics Yes	can be reached OK
15 - Airbag Yes 17 - Instrument cluster Yes 25 - Inmobilizer Yes 09 - Electronic central electronics Yes 46 - Convenience system central module Yes 42 - Driver door electronics Yes	can be reached OK
17 - Instrument cluster Yes 25 - Inmobilizer Yes 09 - Electronic central electronics Yes 46 - Convenience system central module Yes 42 - Driver door electronics Yes	can be reached OK
25 - Immobilizer Yes 09 - Electronic central electronics Yes 46 - Convenience system central module Yes 42 - Driver door electronics Yes	can be reached OK
09 - Electronic central electronics Yes 46 - Convenience system central module Yes 42 - Driver door electronics Yes	can be reached OK
46 - Convenience system central module Yes 42 - Driver door electronics Yes	can be reached Error
42 - Driver door electronics Yes	can be reached OK
	can be reached Error
52 - Passenger door electronics Yes	can be reached OK
4 4 7 7	

• Start Diagnostic session with "01 Engine Electronics".

a freed freedowin (1992) 612 462		ale a
Vehicle On Board Diagnostic	01 - Engine electronics	
Functions supported	B3A12_M14W42	07K907309B *
Select diagnostic function	2,5I R5/4V????? 01	H04 2604
	Coding 75	
	Dealership number 01500	
001 - Identification (Service \$1A)		
004 - DTC memory content		
005 - Output Diagnostic Test Mode (D	OTM)	
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		
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		ENVIRE IN Designed IN Dials.

Select "011 Measurement Values".

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Vehicle O 111 - Moas Enter disp nax. input	n Board Diagn sured values day group t value = 254	ostic	01 - Engine electronics B3A12_M14W42 2,5I R5/4V7777* 01 Coding 75 Dealership number 01500			07K9073098 H04 260			
							30	and a second	
					1	2	3		
					4	5	8	1	
					7	8	9		
					с	0	٩		

• Select "MVB 30".

a free d household (effer) 1 to 800	A CONTRACTOR OF	RKRARRARA
Vehicle On Board Diagnostic 011 - Measured values Displey group 39	01 - Engine electronice B3A12_B14W42 2.5#R54V7272* 01 Coding 75 Dealership number 01500	07K9073098 * H04 2604
Measured values		
	60000 9000	Dieptay group
		30
		<u> </u>
4 1	₹ ► O	_[

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.

And an address of the local design of the loca		(1.4a)
Vehicle On Board Diagnostic	01 - Engine electronics	
Functions supported	B3A12_M14W42	07K907309B *
Select diagnostic function	2,5I R5/4V?????* 01	H04 2604
	Coding 75	
	Dealership number 01500	
001 - Identification (Service \$1A)		
004 - DTC memory content		
005 - Output Diagnostic Test Mode (DTM)	
008 - Basic setting		*********
007 - Coding (Service \$1A)		
011 - Measured values		
012 - Adaptation		
015 - Access authorization		
017 - Safety		
020 - Special function		
022 End output		
UZZ - ENG OULDUL		
Disalay all disassetia functions		
Display all diagnostic functions		1

Enter "006 Basic Settings".

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ehicle On Board Diagnostic 08 - Basic setting	01 - Engine electronics B3A12_M14W42	07K9073098
nter display group lax. input value = 256	Coding 75 Dealership number 01500	PICK 2004
	1	70
		1 2 3
		4 5 8
		7 8 9
		c o q
in the second se		>

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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Check maximum value in row

one (lower window).

The Read Programmer Read of Lines and Read Street Programmers and Read Stre		202020202020000	
Vehicle On Board Diagnostic	01 - Engine electronice		
Diandau monuo 70	2.5I R54V77272 01		
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	
Reasured values in basic setting		70	
Screen (printer)	11 %	A [
	20.2 mA	mananam	
	20.2 mA		
	TVV is OK		
		Activate	
	· · · · ·	. (* 1990)	

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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Warranty

Purge Valve Replacement

To determine if t Procedures Man	this procedu Iual ¹⁾	re is c	overed under Wa	nrranty, always ref	er to the	Warranty Po	olicies and
Model(s)	Year(s))	Eng. Code(s)	Trans. Code(s) VIN Ra		ange From	VIN Range To
Passat	2012-20 ²	13	2.5L	All	A3_C	C040904	A3_CD999999
Beetle	2012-20 ²	13	2.5L-2.0T	All	AT_C	M621164	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		HST		Damage Location (Depends on Service No.)	
2024		0010			Use applicable when indicated in ElsaWeb (L/R)		
Parts Manu	facturer		Passat, Be	etle, Jetta 2.0T		C	CFW ²⁾
			Passat, Be	etle, Jetta 2.5L		E	30G ²⁾
			Pass	sat 2.5L			
Labor Operation Cover	³⁾ : Remove	and Ir	nstall Engine	24251917 = 30 TU			
Labor Operation Valve:	³⁾ : Remove	and Ir	nstall Purge	20241967 = 10 TU			
			Bee	tle 2.5L			
Labor Operation Cover	³⁾ : Remove	and Ir	nstall Engine	24471917 = 160 7	Ū		
Labor Operation Valve:	³⁾ : Remove	and Ir	nstall Purge	20241967 = 10 TU	l		

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Beetle 2.0T				
Labor Operation ³⁾ : Remove and Install Engine Cover		24471918 = 250 TU		
Labor Operation ³⁾ : Remove and Install Purge Valve:		20241968 = 10 TU		
	Jetta 2.5L	·		
Labor Operation ³⁾ : Remove and Install Engine Cover		24251917 = 30 TU		
Labor Operation ³⁾ : Remove and Install Purge Valve:		20241967 = 10 TU		
Jetta 2.0T				
Labor Operation ³⁾ : Remove and Install Purge Valve:		20241900 = 30 TU		
Causal Part: Purge Valve -N80-		06J 133 781* 2.0T		
		06E 906 517 * 2.5L		
	Diagno	stic Time ⁴⁾		
GFF Time expenditure	01500000 = 20 TU max. YES		YES	
Road Test	01210002, 01210004		NO	
Technical Diagnosis	01320000 = 10 TU max. YES		YES	
Claim Comment: Input "As per Technical Bulletin 2031341" 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 Policy Procedures Manual.				



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 this procedure is covered under Warranty, always refer to the Warranty Policies and Procedures Manual ¹⁾									
Model(s)	s) Year(s)		Eng. Code(s)	Trans. Code(s)	VIN Range From		From	VIN Range To	
Passat	2012-2013		2.5L	All	A3_CC040904		904	A3_CD999999	
Beetle	etle 2012-2013		2.5L-2.0T	All	AT_CM621164		164	AT_DM9999999	
Jetta	a 2012-2013		2.5L-2.0T	All	AJ_CM362729		2729	AJ_CD999999	
SAGA Coding									
Claim Type:		Use	applicable Claim	Type ¹⁾					
Service Number:			Damage Code	HST	Damage Loo on Se		ige Loc on Ser	cation (Depends rvice No.)	
2048	2048		0010	Use indicat		se applicable when ated in ElsaWeb (L/R)			
Parts Manut	Parts Manufacturer		Passa	at, Jetta, Beetle		BVD ²⁾			
Passat 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	J					
Jetta 2.5L/2.0T									
Labor Operation ³⁾ : Remove and Install Wheel			44051900 = 20 TU	J					
Labor Operation ³⁾ : Remove and Install Wheel Liner			66761950 = 20 TU	J					

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Labor Operation ³⁾ : Remove and Install Leak Detection Pump		20481950 = 20 TU			
Causal Part: Diagnostic Module Tank Leakage (DMTL) pump		7L0 906 243 *			
Diagnostic Time ⁴⁾					
GFF Time expenditure	01500000 = 20	ΓU max.	YES		
Road Test	01210002, 0121	0004	NO		
Technical Diagnosis	01320000 = 10	ſU	YES		
Claim Comment: Input "As per Technical Bulletin 2031341" 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 Policy Procedures 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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