

Technical Bulletin

Model(s)	Year	Eng. Code	Trans. Code	VIN Range From	VIN Range To
Passat	2012	3.6L (CDVB)	All	All	All

Condition

01 14 09 March 31, 2014 2035758

MIL ON DTC P0327 Knock Sensor Fault stored in ECM

DTC	Description
P0327	Knock Sensor 1 Circ. Low Input

Technical Background

DTC P0327 stored in ECM fault memory due to imperfections in the engine wiring harness.

Production Solution

Improvements made to engine harness.

Technical Bulletin

Service

- Disconnect negative battery cable and replace engine harness, refer to figures 1 thru 4 for harness routing.

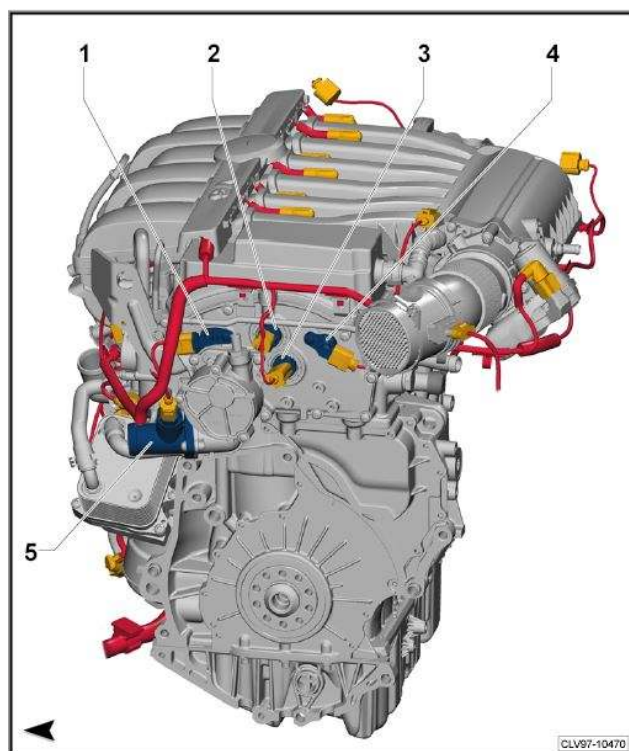


Figure 1

1. Camshaft position sensor- G40
2. Camshaft adjustment valve 1 N205
3. Exhaust camshaft adjustment valve 1- N318
4. Camshaft position sensor 2- G163
5. Engine coolant temperature sensor- G62

Technical Bulletin

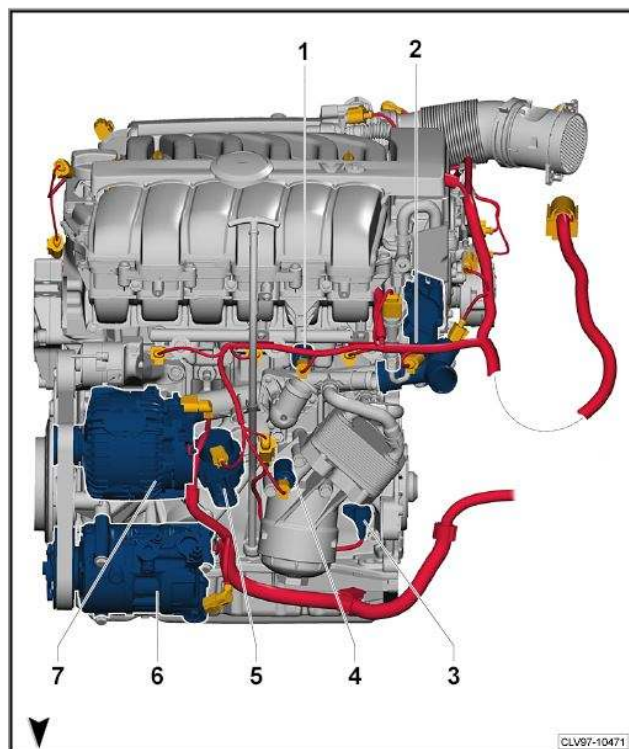


Figure 2

1. 1. Knock sensor 2- G66
2. 2.Fuel pressure regulator valve N276
1. Engine speed sensor- G28
2. Oil pressure switch- F1
3. Coolant recirculation pump V50
4. A/C compressor regulator valve- N280
5. Generator with voltage regulator- CX1

Technical Bulletin

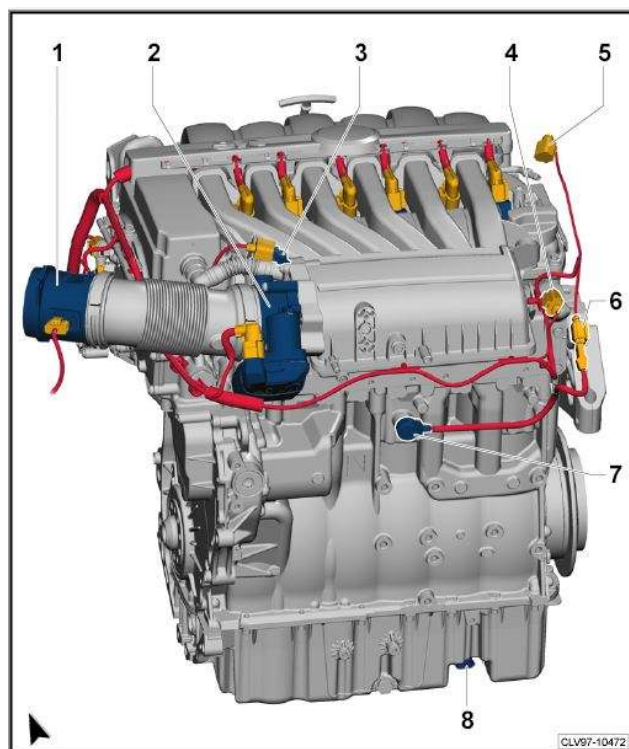


Figure 3

1. Intake air temperature sensor G42, Mass airflow sensor G70
2. Throttle valve control module GX3, Throttle valve control module J338, EPC throttle drive G186, EPC throttle drive angle sensor 1 G187
3. Positive crankcase ventilation heating element N79
4. EVAP canister purge regulator valve 1 N80
5. Low fuel pressure sensor G410
6. 3-pin connector T3w
7. Knock sensor 1 G61
8. Oil level thermal sensor G266

Technical Bulletin

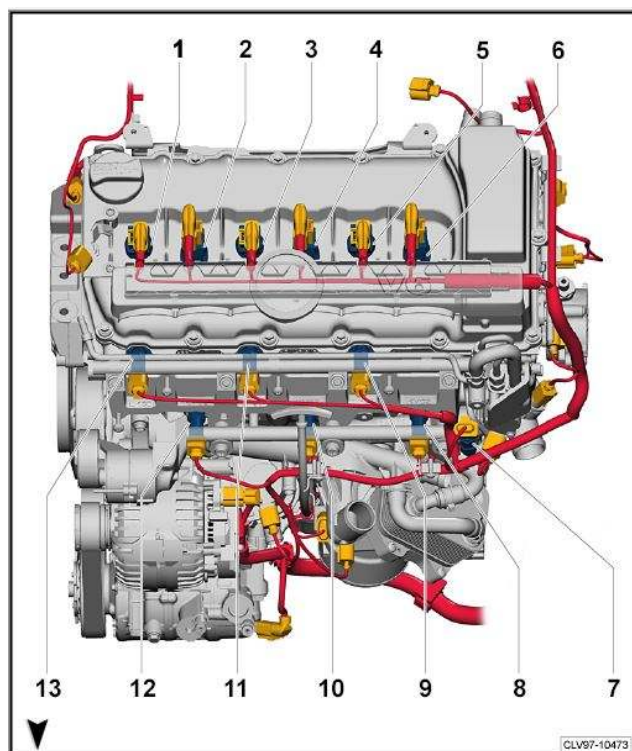


Figure 4

Figure 4 Legend	
1. Ignition coil 1 with power output stage	N70
2. Ignition coil 2 with power output stage	N127
3. Ignition coil 3 with power output stage	N291
4. Ignition coil 4 with power output stage	N292
5. Ignition coil 5 with power output stage	N323
6. Ignition coil 6 with power output stage	N324
7. Fuel pressure sensor	G247
8. Cylinder 6 fuel injector	N84
9. Cylinder 5 fuel injector	N83

Technical Bulletin

10. Cylinder 4 fuel injector	N33
11. Cylinder 3 fuel injector	N32
12. Cylinder 2 fuel injector	N32
13. Cylinder 1 fuel injector	N30

Warranty

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
Passat	2012	3.6L (CDVB)	All	All	All
SAGA Coding					
Claim Type:	Use applicable Claim Type ¹⁾				
Service Number:	Damage Code	HST	Damage Location (Depends on Service No.)		
9752	040	-	Use applicable when indicated in ElsaWeb (L/R)		
Parts Manufacturer	Passat				TX6 ²⁾
Labor Operation ³⁾ : Remove and Install Engine Harness			97521941 = 370 TU		
Causal Part:			03H 971 627 F		
Diagnostic Time ⁴⁾					
GFF Time expenditure	01500000 = 30 TU				YES
Road Test	01210002 = 10 TU 01210004 = 10 TU				YES

Technical Bulletin

Technical Diagnosis	01320000 = 00 TU	NO
Claim Comment: Input "As per Technical Bulletin 2035758" 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.		

Required Parts and Tools

Part No:	Part Description	Quantity
03H 971 627 F	Engine Harness	1

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.

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