



Technical Bulletin

Model(s)	Year	Eng. Code	Trans. Code	VIN Range From	VIN Range To
Passat, Jetta, Beetle, Beetle Convertible	2015	2.0L TDI (CVCA)	All	All	All
Golf, Golf SportWagen	2015	2.0L TDI (CRUA)	All	All	All

Condition

01 17 04 March 7, 2017 2040171 Supersedes Technical Bulletin V011603 dated February 17, 2016 to required parts, special tools and labor operation numbers.

MIL ON Camshaft Position Faults P0011 and or P0016 Stored in ECM Fault Memory

DTC	Description
P0011	"A" Camshaft Position - Timing Over-Advanced or System Performance Bank 1
P0016	Crankshaft Position - Camshaft Position Correlation Bank 1 Sensor A

Technical Background

The camshaft adjuster control valve may stick causing camshaft position faults.

Production Solution

Measures implemented into production.



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Service



Tip:

To avoid engine damage when working on the valvetrain, both camshafts must be locked in place according to the repair manual, see repair group 15 in Elsa.

Scenario 1: Valve timing incorrect

- If one or more of the above faults are stored in the engine control unit, check the valve timing according to the repair manual, see repair group 15 in Elsa.
- If the valve timing is incorrect, adjust it according to the repair manual.
- Replace sealing plug for cylinder head cover timing port.

Scenario 2: Valve timing correct

- If the valve timing is correct, replace the control valve in the camshaft adjuster according to the repair manual, see repair group 15 in Elsa.
- Replace sealing plug for cylinder head cover timing port.
- Replace o-ring for camshaft adjustment valve -N205-.



Tip:

When changing the control valve, the engine should be held at TDC.

- Change the engine oil and filter.



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Warranty

Scenario 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
Passat	2015	2.0L TDI (CVCA)	All	All	All
SAGA Coding					
Claim Type:		Use applicable Claim Type ¹⁾			
Service Number:	Damage Code	HST		Damage Location (Depends on Service No.)	
1584	0010	--		Use applicable when indicated in Elsa (L/R)	
Parts Manufacturer		Passat		WVO ²⁾	
Valve Timing Incorrectly Adjusted					
Labor Operation ³⁾ : Check and adjust valve timing			15020555 = 120		
Labor Operation ³⁾ : Toothed belt cover			15871955 = 10 TU		
Labor Operation ³⁾ : Crankshaft vibration damper			13751955 = 20 TU		
Labor Operation ³⁾ : Ribbed belt removed+reinstalled			13721955 = 10 TU		
Labor Operation ³⁾ : Noise dampening pan removed+reinstalled			10821900 = 40 TU		
Causal Part: Select labor operation			15020505		
Diagnostic Time ⁴⁾					



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GFF Time expenditure	01500000 = 30 TU max.	YES
Road Test	01210004 = 10 TU	YES
Technical Diagnosis	01320000 = 00 TU max.	NO
Claim Comment: Input "As per Technical Bulletin 2040171" 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>		

Scenario 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
Passat	2015	2.0L TDI (CVCA)	All	All	All
SAGA Coding					
Claim Type:	Use applicable Claim Type ¹⁾				
Service Number:	Damage Code	HST		Damage Location (Depends on Service No.)	
1584	0010	--		Use applicable when indicated in Elsa (L/R)	
Parts Manufacturer	Passat		WVO ²⁾		
Valve Timing Correct					
Labor Operation ³⁾ : Camshaft adjuster remove+reinstall			15841999 = 90 TU		
Labor Operation ³⁾ : Control Housing remove+reinstall			15851955 = 30 TU		



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Labor Operation ³⁾ : Air Cleaner remove+reinstall	23251905 = 40 TU	
Labor Operation ³⁾ : Engine oil and filter replaced	17305599 = 70 TU	
Causal Part: Camshaft Adjuster Control Valve	03L 906 455 C	
Diagnostic Time ⁴⁾		
GFF Time expenditure	01500000 = 30 TU max.	YES
Road Test	01210004 = 10 TU	YES
Technical Diagnosis	01320000 = 140 TU max.	YES
Claim Comment: Input "As per Technical Bulletin 2040171" in comment section of Warranty Claim.		
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Jetta, Beetle, Beetle Convertible	2015	2.0L TDI (CVCA)	All	All	All
Golf, Golf SportWagen	2015	2.0L TDI (CRUA)	All	All	All
SAGA Coding					
Claim Type:	Use applicable Claim Type ¹⁾				
Service Number:	Damage Code	HST		Damage Location (Depends on Service No.)	
1584	0010	--		Use applicable when indicated in Elsa (L/R)	
Parts Manufacturer	Golf, Golf SportWagen, Jetta, Beetle, Beetle Convertible		3ME ²⁾		
Valve Timing Incorrectly Adjusted					
Labor Operation ³⁾ : Check and adjust valve timing			15020505 = 190 TU (Jetta, Beetle, Beetle Convertible Only)		
Labor Operation ³⁾ : Check and adjust valve timing			15020505 = 200 TU (Golf, Golf SportWagen Only)		
Causal Part: Select labor operation			15020505		
Diagnostic Time ⁴⁾					
GFF Time expenditure	01500000 = 30 TU max.		YES		
Road Test	01210004 = 10 TU		YES		
Technical Diagnosis	01320000 = 00 TU max.		NO		



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- 4) Documentation required per Warranty Policies and Procedures Manual.**

Scenario 2:

To determine if this procedure is covered under Warranty, always refer to the Warranty Policies and Procedures Manual ¹⁾

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Golf, Golf SportWagen	2015	2.0L TDI (CRUA)	All	All	All
SAGA Coding					
Claim Type:	Use applicable Claim Type ¹⁾				
Service Number:	Damage Code	HST		Damage Location (Depends on Service No.)	
1584	0010	--		Use applicable when indicated in Elsa (L/R)	
Parts Manufacturer	Golf, Golf SportWagen, Jetta, Beetle, Beetle Convertible		3ME ²⁾		
Valve Timing Correct					
Labor Operation ³⁾ : Camshaft adjuster remove+reinstall			15841956 = 80 TU		
Labor Operation ³⁾ : Toothed belt cover remove+reinstall			15871905 = 90 TU		



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Labor Operation ³⁾ : Engine oil and filter replaced	17305599 = 50 TU	
Causal Part: Camshaft Adjuster Control Valve	03L906455 C	
Diagnostic Time ⁴⁾		
GFF Time expenditure	01500000 = 30 TU max.	YES
Road Test	01210004 = 10 TU	YES
Technical Diagnosis	01320000 = 140 TU max.	YES
Claim Comment: Input "As per Technical Bulletin 2040171" in comment section of Warranty Claim.		
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Required Parts and Tools

Part No:	Part Description	Quantity
03L906455 C	Camshaft Adjuster Control Valve	1
06L103801	Cylinder Head Sealing Plug	1
04L906145	O-ring for Camshaft Adjustment Valve	1

Tool Description	Tool No:
Diesel injection Pump Locking Pin	3359
Locking Pin	T10492
Midtronics Battery Tester/Charger	InCharge 940 (INC-940) or GRX3000VAS
VAS Diagnostic Tool	VAS 6150/X & VAS 6160/X with 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.

Document Control Revision Table			
Instance Number	Published Date	Version Number	Reason For Update
2040171/6	3/7/17	V011704	Update required parts, special tools and labor operation numbers.
2040171/1	3/26/15	V011505	Original publication.