



# 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 16 03 February 17, 2016 **2040171** Supersedes Technical Bulletin V011515 dated July 7, 2015 to update Golf and Golf SportWagen vendor codes and Passat labor operation numbers.

**MIL ON Camshaft Position Faults P0011 and or P0016 Stored in 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.

### Scenario 2: Valve timing correct

- If the valve timing is correct, replace the control valve in the camshaft positioner (N205), Part Number: 03L 906 455, according to the repair manual, see repair group 15 in Elsa.



**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:

<b>To determine if this procedure is covered under Warranty, always refer to the Warranty Policies and Procedures Manual <sup>1)</sup></b>					
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
<b>SAGA Coding</b>					
<b>Claim Type:</b>	Use applicable Claim Type <sup>1)</sup>				
<b>Service Number:</b>	<b>Damage Code</b>	<b>HST</b>		<b>Damage Location (Depends on Service No.)</b>	
1584	0010	--		Use applicable when indicated in Elsa (L/R)	
<b>Parts Manufacturer</b>	Passat		WVO <sup>2)</sup>		
<b>Valve Timing Incorrectly Adjusted</b>					
<b>Labor Operation <sup>3)</sup> : Check and adjust valve timing</b>			1502 05 05 = 190		
<b>Causal Part: Select labor operation</b>			1502 05 05		
<b>Diagnostic Time <sup>4)</sup></b>					
<b>GFF Time expenditure</b>	01500000 = 30 TU max.		YES		
<b>Road Test</b>	01210004 = 10 TU		YES		
<b>Technical Diagnosis</b>	01320000 = 00 TU max.		NO		
<b>Claim Comment: Input "As per Technical Bulletin 2040171" in comment section of Warranty Claim.</b>					
<b><sup>1)</sup> Vehicle may be outside any Warranty in which case this Technical Bulletin is informational only</b>					



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- <sup>2)</sup> Code per warranty vendor code policy.
- <sup>3)</sup> Labor Time Units (TUs) are subject to change with ELSA updates.
- <sup>4)</sup> 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 <sup>1)</sup>					
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
<b>SAGA Coding</b>					
Claim Type:		Use applicable Claim Type <sup>1)</sup>			
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 <sup>2)</sup>	
<b>Valve Timing Correct</b>					
Labor Operation <sup>3)</sup> : Camshaft adjuster remove+reinstall			1584 19 99 = 90 TU		
Labor Operation <sup>3)</sup> : Control Housing remove+reinstall			1585 19 55 = 30 TU		
Labor Operation <sup>3)</sup> : Air Cleaner remove+reinstall			2325 19 05 = 40 TU		
Labor Operation <sup>3)</sup> : Engine oil and filter replaced			1730 55 99 = 70 TU		
Causal Part: Camshaft Adjuster Control Valve			03L 906 455 C		
<b>Diagnostic Time <sup>4)</sup></b>					



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GFF Time expenditure	01500000 = 30 TU max.	YES
Road Test	01210004 = 10 TU	YES
Technical Diagnosis	01320000 = 140 TU max.	YES
<b>Claim Comment: Input "As per Technical Bulletin 2040171" in comment section of Warranty Claim.</b>		
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<b>SAGA Coding</b>					
<b>Claim Type:</b>		Use applicable Claim Type <sup>1)</sup>			
<b>Service Number:</b>	<b>Damage Code</b>	<b>HST</b>	<b>Damage Location (Depends on Service No.)</b>		
1584	0010	--	Use applicable when indicated in Elsa (L/R)		
<b>Parts Manufacturer</b>		<b>Golf, Golf SportWagen, Jetta, Beetle, Beetle Convertible</b>		<b>3ME <sup>2)</sup></b>	
<b>Valve Timing Incorrectly Adjusted</b>					



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Labor Operation <sup>3)</sup> : Check and adjust valve timing		1502 05 05 = 190 TU
Causal Part: Select labor operation		1502 05 05
<b>Diagnostic Time <sup>4)</sup></b>		
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.		
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1584	0010	--		Use applicable when indicated in Elsa (L/R)	



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Parts Manufacturer	Golf, Golf SportWagen, Jetta, Beetle, Beetle Convertible	3ME <sup>2)</sup>
<b>Valve Timing Correct</b>		
Labor Operation <sup>3)</sup> : Camshaft adjuster remove+reinstall		1584 19 56 = 80 TU
Labor Operation <sup>3)</sup> : Toothed belt cover remove+reinstall		1587 19 05 = 70 TU
Labor Operation <sup>3)</sup> : Engine oil and filter replaced		1730 55 99 = 50 TU
Causal Part: Camshaft Adjuster Control Valve		03L 906 455 C
<b>Diagnostic Time <sup>4)</sup></b>		
GFF Time expenditure	01500000 = 30 TU max.	YES
Road Test	01210004 = 10 TU	YES
Technical Diagnosis	01320000 = 140 TU max.	YES
<b>Claim Comment: Input "As per Technical Bulletin 2040171" in comment section of Warranty Claim.</b>		
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## Required Parts and Tools

Part No:	Part Description	Quantity
03L906455 C	Camshaft Adjuster Control Valve	1

Tool Description	Tool No:
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.