



Technical Bulletin

Model(s)	Year	Eng. Code	Trans. Code	VIN Range From:	VIN Range To:
CC	2016 – 2017	2.0L (CCTA)	All	AN_GE515911	AN_HE506568
Tiguan	2016 – 2017	2.0L (CCTA)	All	AX_GK000028	AX_HK010335
Tiguan	2016 – 2017	2.0L (CCTA)	All	AX_GW089548	AX_HW506411

Condition

15 16 03 November 23, 2016 2045939

MIL ON – DTC P0011 and or P0016 Stored in ECM Fault Memory – Engine May Run Rough At Idle

One or more of the following fault codes may be stored in the ECM Fault Memory:

DTC	Description
P0011	Camshaft Position (Bank1) Timing over-advanced or System Performance
P0016	Crankshaft Position-Camshaft Position Correlation Bank 1 Sensor A

Technical Background

Wear of the camshaft bearing bridge can cause axial movement of the camshaft resulting in faults stored.

Production Solution

Improved valve train components implemented in production.



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Service

Procedure:

Inspect rocker arm/bearing saddle for the camshaft and (if necessary) replace parts of valve train

- Remove the oil filler cap from the valve cover. Using a flashlight, look through the oil filler opening to determine the manufacturer of the rocker arms. See figure 1.



Figure 1

Left in figure 1: INA rocker arm (retaining clip not visible)

Right in figure 1: GT rocker arm (retaining clip visible, in red)

- **INA rocker arm (illustration 1, left):**
 - Rocker arms do **not** have to be replaced.
- **GT rocker arm (illustration 1, right):**
 - Replace the intake rocker arms according to the repair manual.
- Remove the camshaft bearing bridge according to the repair manual. Check the bearing bridge for damage. (as shown in figure 2).



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Figure 2) example of worn camshaft bearing bridge

- If the bridge is damaged as shown in figure 2 the following components must be replaced:
- Drain the engine oil of the warm engine according to the repair manual.
- Replace the engine oil filter according to the repair manual.
- Replace the following components according to the repair manual.
 - Intake camshaft
 - Camshaft bearing bridge
 - Intake camshaft rocker arms (if necessary)
- Fill up the engine oil according to the repair manual.



Note:

If the camshaft bearing bridge is not damaged, diagnose the fault entries using Guided Fault Finding.



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Warranty

To determine if this procedure is covered under Warranty, always refer to the Warranty Policies and Procedures Manual ¹⁾					
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SAGA Coding					
Claim Type:		Use applicable Claim Type ¹⁾			
Service Number:		Damage Code	HST	Damage Location (Depends on Service No.)	
1505		0010	--	Use applicable when indicated in Elsa (L/R)	
Parts Manufacturer		Tiguan, CC		WVO ²⁾	
Tiguan					
Labor Operation ³⁾: Charge Battery			27068950 = 10 TU		
Labor Operation ³⁾: Remove and Reinstall Rocker Arm			15542090 = 10 TU		
Labor Operation ³⁾: Camshafts Remove and Reinstall			15052090 = 290 TU		
Labor Operation ³⁾: Chain Housing Cover Remove and Reinstall (upper)			15331940 = 90 TU		
Labor Operation ³⁾: Change Oil and Oil Filter			17011799 = 50 TU		



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CC		
Labor Operation ³⁾ : Charge Battery	27068950 = 10 TU	
Labor Operation ³⁾ : Remove and Reinstall Rocker Arm	15542068 = 10 TU	
Labor Operation ³⁾ : Camshafts Remove and Reinstall	15052068 = 290 TU	
Labor Operation ³⁾ : Chain Housing Cover Remove and Reinstall (upper)	15331968 = 90 TU	
Labor Operation ³⁾ : Change Oil and Oil Filter	17011799 = 50 TU	
Causal Part:	06H 109 021K	
Diagnostic Time ⁴⁾		
GFF Time expenditure	01500000 = Actual GFF print out	YES
Road Test	01210004 = 20 TU	YES
Technical Diagnosis	01320000 = 10 TU max. Includes: Inspect Rocker Arms Remove and install oil filler cap	YES
Claim Comment: Input "As per Technical Bulletin 2045939" 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.		



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Required Parts and Tools

Part No:	Part Description	Quantity
G 052 167 M4	Engine Oil	1
06J 115 403Q	Oil Filter	1
D 154 103 A1	Sealant	1
N 105 540 05	Bolt	22
N 910 967 01	Bolt	1
WHT 007 212	O-ring	1
06B 103 113C	Sealing cap	1
06L 103 085B	Seal	1
06H 103 144J	Bearing Bridge	1
06H 109 021K	Inlet Camshaft	1
06E 109 417P	Rocker Arms (if necessary)	8

Tool Description	Tool No:
Midtronics Battery Tester/Charger	InCharge 940 (INC-940) or GRX3000VAS
VAS Diagnostic Tool	VAS 6150/X & VAS 6160/X and ODIS Service with: current online updates



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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
2045939/1	11/23/16	V151603	Original publication.