

Technical Service Bulletin



01 Cam adjuster, implausible signal - V6 FSI AVS

15 12 25 2031085/1 October 10, 2012.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
A6	2010 – 2012	All	CALA Engine
A4	2009		CALB Engine
Audi Q5	2009 – 2012		CALA Engine
A5	2009		CALA Engine

Condition

MIL on. One or several of the following DTCs for the cam actuators are stored in ECM memory:

P11A2 cam actuator "A" cylinder 1: implausible signal

P11A4 cam actuator "B" cylinder 1: implausible signal

P11A6 cam actuator "A" cylinder 2 implausible signal

P11A8 cam actuator "B" cylinder 2: implausible signal

P11AA cam actuator "A" cylinder 3: implausible signal

P11AC cam actuator "B" cylinder 3: implausible signal

P11AE cam actuator "A" cylinder 4: implausible signal

P11B0 cam actuator "B" cylinder 4: implausible signal

P11B2 cam actuator "A" cylinder 5: implausible signal

P11B4 cam actuator "B" cylinder 5: implausible signal

P11B6 cam actuator "A" cylinder 6: implausible signal

P11B8 cam actuator "B" cylinder 6: implausible signal

Technical Background

After the activation of the cam actuator to change to the other cam profile, the pin of the actuator is pushed back in by the cam. This is confirmed by a voltage impulse, which is registered by the engine control unit and confirms the operation. If this does not happen, or not at the right time, a DTC "implausible signal" is saved in ECM memory.

Check the distance of the pin tip of the cam actuator for valve lift system to the camshaft when it is not operated with a gauge. The measurement of the tip to the basic camshaft circle outside of the groove must be taken, see Figures 1-3 below.

If this measurement is 0.9mm, the actuator **06E103697J** must be installed.



Note:

The actuator **06E103697J** must only be used, if the measurement is 0.9mm or bigger.

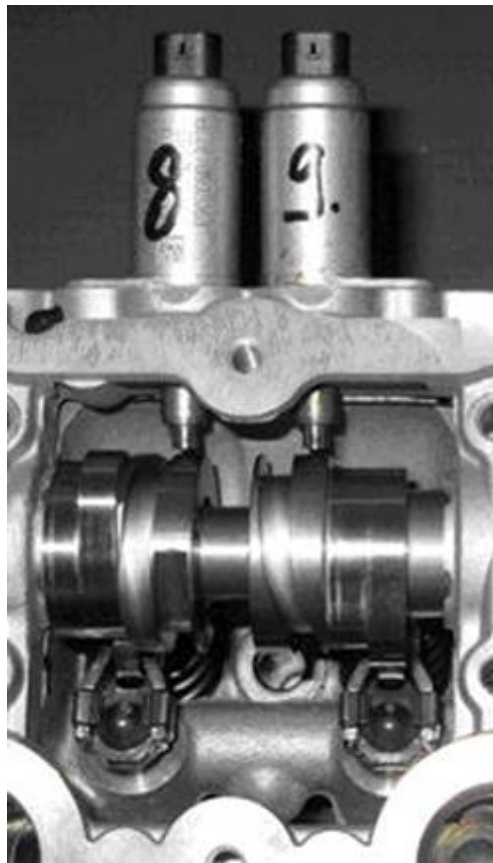


Figure 1. Adjustment unit for valve lift system.

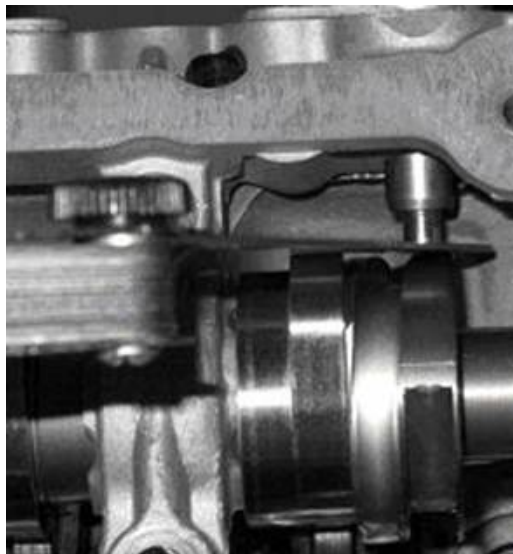


Figure 2. Measurement of distance from tip of adjustment unit to camshaft with gauge.

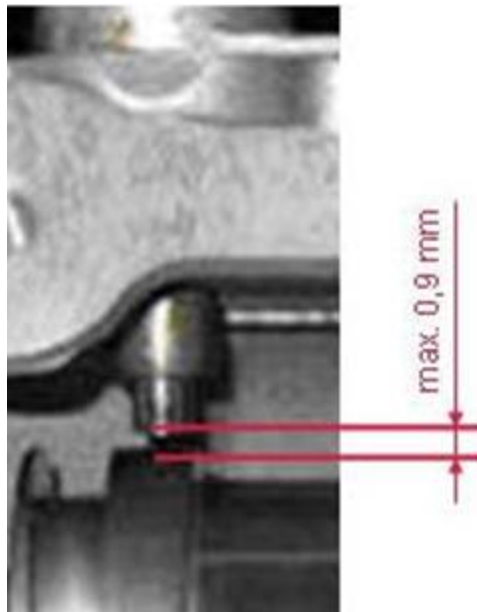


Figure 3. Distance from adjustment unit tip to camshaft – max. 0.9mm.

Production Solution

Not applicable.

Service

Optimized cam shaft frame from 07/2011

Technical Service Bulletin



Warranty

Claim Type:	Use applicable claim type. If vehicle is outside any warranty, this Technical Service Bulletin is informational only.		
Service Number:	1551		
Damage Code:	0001		
Labor Operations:	Remove and install left cylinder head cover	15 82 19 06	70 TU
	Remove and install right cylinder head cover	15 82 19 07	90 TU
	Measure adjustment unit	15 51 19 99	10 TU
	Remove and install adjustment unit	15 51 19 06	20 TU
Diagnostic Time:	Checking and clearing fault codes	0150 0000	20 TU
	Road test prior to service procedure	No allowance	0 TU
	Road test after service procedure	0121 0004	10 TU
	Technical diagnosis at dealer's discretion (Refer to Section 2.2.1.2 and Audi Warranty Online for DADP allowance details)		
Claim Comment:	As per TSB #2031085/1		

All warranty claims submitted for payment must be in accordance with the *Audi Warranty Policies and Procedures Manual*. Claims are subject to review or audit by Audi Warranty.

Required Parts and Tools

Part Number	Part Description	Quantity
06E103697J	Actuator	1
06E103483P -OR- 06E103484N	Seal	1



Additional Information

All parts and service references provided in this TSB are subject to change and/or removal. Always check with your Parts Department and service manuals for the latest information.