



Technical Service Bulletin

01 MIL on (DTC P0016 [P0087], P0017, P0018 or P0019 stored in ECM)

15 09 04 2018621/2 June 4, 2009. Supersedes Technical Service Bulletin Group 15 number 08-17 dated December 2, 2008 for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
A4	2009	All	3.2FSI AVS Engine
A5	2009	All	
Q5	2009	All	

Condition

REVISION HISTORY		
Revision	Date	Purpose
2	-	Revised header data (added model) Revised <i>Condition</i> Revised <i>Technical Background</i> Revised <i>Service</i> Revised <i>Warranty</i>
1	12/2/2008	Original publication

- MIL on.
- One of the following DTCs will be stored:
 - **DTC P0016** (Crankshaft Position – Camshaft Position Correlation Bank 1 Sensor A).
 - **DTC P0017** (Crankshaft Position – Camshaft Position Correlation Bank 1 Sensor B).
 - **DTC P0018** (Crankshaft Position – Camshaft Position Correlation Bank 2 Sensor A).
 - **DTC P0019** (Crankshaft Position – Camshaft Position Correlation Bank 2 Sensor B).
- If **DTC P0016** is stored, **DTC P0087** (Fuel Rail/System Pressure - Too Low) may also be stored.
- A slight power reduction may be associated with this condition.

This condition does not cause stalling.

Technical Background

Cam adjuster solenoid may be contaminated.


Production Solution



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Optimized production process.

Service

1. If **P0016**, **P0017**, **P0018**, or **P0019** is stored, disassemble the corresponding camshaft adjustment valve (N205, N318, N208 or N319).
2. Swap the solenoid with a solenoid from the other bank.
If the DTC is now set on the bank where the solenoid is installed, the solenoid is inoperative. Replace the solenoid. Make sure the cylinder head opening for the solenoid is clean.
3. If no obstruction is found and condition persists, open a new warranty claim and follow Guided Fault Finding.
 -  **Tip:** If **P0087** is stored in conjunction with **P0016**, **P0087** may have been set by an incorrect cam position, which can be caused by an inoperative cam solenoid. Please first repair **P0016** and only follow GFF for **P0087** if it persists.

Warranty

Claim Type:	Use applicable claim type. Vehicle may be outside any warranty, in which case this Technical Service Bulletin is informational only.		
Service Number:	1584		
Damage Code:	0017		
Labor Operations:	Camshaft adjustment solenoid remove+reinstall	2433 1999	40 TU
Diagnostic Time:	GFF	0150 0000	30 TU
	Road test prior to service procedure	0121 0002	10 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 #2018621/2		

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



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Part number	Description	Quantity
06E109257L	Cam solenoid	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.