



Technical Service Bulletin

01 MIL on (DTC P0011 and/or P0021 - camshaft position)

01 17 08 2041097/3 April 3, 2017. Supersedes Technical Service Bulletin Group 01 number 16-71 dated July 27, 2016 for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
S6, S7, RS 7, A8, S8	2013 - 2014	All	4.0 TFSI

Condition

REVISION HISTORY		
Revision	Date	Purpose
3	-	Revised <i>Warranty</i> (Updated Damage Code)
2	08/01/2016	Revised <i>Warranty</i> (Added GFF time)
1	07/01/2015	Initial publication

- MIL on.
- Customer may report that the engine runs irregularly.

One of the following DTCs is stored in the engine control module (ECM), J623 (address word 0001):

- **DTC P001100** (A camshaft position (bank 1) timing over-advanced or system performance)
- **DTC P002100** (A camshaft position (bank 2) timing over-advanced or system performance)

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Technical Background

- On the camshaft adjustment valve, the filter element can loosen (Figure 1).
- There is no consequential damage from loosened particles in the oil circuit. They are gathered by the oil filter.



Figure 1. Two top filters are okay, bottom filter is missing.

Production Solution

Optimized control valve production.

Service

1. The camshaft adjustment valve is fitted in four different positions. Check the affected camshaft adjustment control valve (see DTC entry). The following list shows which component is affected, based on event entry:
 - N205 – cylinder bank 1, inlet side
 - N318 – cylinder bank 1, exhaust side
 - N208 – cylinder bank 2, inlet side
 - N319 – cylinder bank 2, exhaust side
2. Remove connector (Figure 2) from control valve with DTC.
3. Remove bolt (Figure 2) from control valve with DTC, then remove valve.

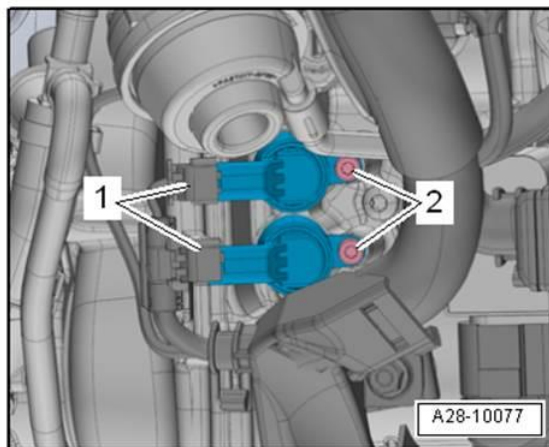


Figure 2. Connector (1) and bolt (2) to be removed from affected control valve.



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4. Install O-ring on new control valve.
 Replace hex collard bolt and tighten new bolt to 5 Nm.

Warranty

Claim Type:	<ul style="list-style-type: none"> • 110 up to 48 Months/50,000 Miles. • G10 for CPO Covered Vehicles – Verify Owner. • If vehicle is outside any warranty, this Technical Service Bulletin is informational only. 		
Service Number:	1585		
Damage Code:	0016		
Labor Operations:	Control valve remove + reinstall (For inlet side, bank 1 or bank 2)	1585 1921	50 TU
	Control valve remove + reinstall (For exhaust side, bank 1 or bank 2)	1585 1922	50 TU
Diagnostic Time:	GFF – 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 #2041097/3		

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.



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Required Parts and Tools

Part Number	Part Description	Quantity
06E109257T	Control valve	1
WHT002789	O-ring	1
N 91211101	Hex socket head collard bolt	1

Additional Information

All parts and service references provided in this TSB (2041097) are subject to change and/or removal. Always check with your Parts Department and service manuals for the latest information.

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