

Technical Service Bulletin

01 MY16/17 2.0TFSI, MIL on, DTC P001600

01 17 00 2046377/1 February 13, 2017.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
A5, A5 cabriolet, Q5	2016 - 2017	All	2.0TFSI
Q3	2017	All	2.0TFSI

Condition

- MIL on.
- **DTC P001600** (crankshaft camshaft correlation) stored in engine control module.
- Other DTC's can also be stored at the same time.

Technical Background

On some MY 2016 and 2017 vehicles equipped with 2.0TFSI engines, engine codes (CPMB, CAED or CCTA), DTC P001600 can be set due to a worn intake side - camshaft bearing bridge thrust surface (Figure 1).

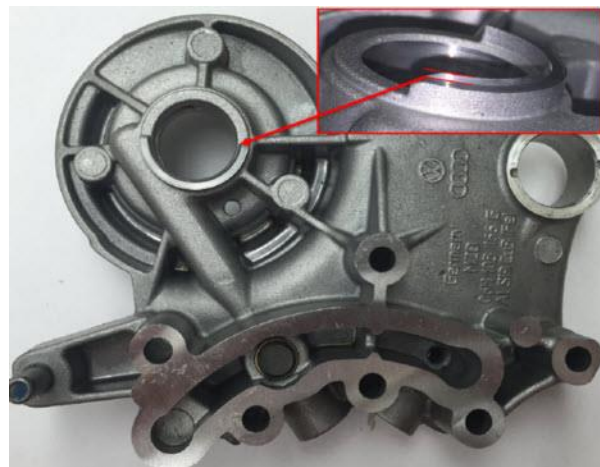


Figure 1. Worn thrust surface.

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Production Solution

Improved camshaft bearing bridge with 50% larger thrust surface in production starting 02/10/2017.

Service

If DTC P001600 (crankshaft camshaft correlation) is stored in the engine control module memory, proceed as follows:

1. Measure the intake camshaft end play.
2. If intake camshaft endplay is *less than* 0.2mm this TSB **does not** apply, proceed with GFF to diagnose root cause.
3. If intake camshaft end play is *greater than* 0.2mm, proceed to step 4.
4. Replace the camshaft bearing bridge (Figure 2) with part number 06H 103 144 K (Figure 3, improved part).



Note:

Do not use Part number *06H 103 144 J*.



Figure 2. Original Part *06H 103 144 J*.



Figure 3. Improved Part *06H 103 144 K*

5. Drain engine oil, change the engine oil, and engine oil filter.



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Note:

To prevent oil pan thread damage, only use torque wrench to tighten oil drain plug to 30Nm.

6. Check engine oil level and top up as needed.

7. Perform test drive to verify repair.

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:	1584		
Damage Code:	0010		
Q5, A5, and A5 cabriolet			
Labor Operations:	Measure camshaft endplay	1505 9999	Max 30 TU
	Camshaft bridge remove and install	1584 1914	100 TU
	Change engine oil and filter	1701 9999	30 TU
Diagnostic Time:	GFF	0150 0000	Max 40 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 #2046377/1		

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.



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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:	1584		
Damage Code:	0010		
Q3			
Labor Operations:	Measure camshaft endplay	1505 9999	Max 30 TU
	Camshaft bridge remove and install	1584 1914	120 TU
	Change engine oil and filter	1701 9999	30 TU
Diagnostic Time:	GFF	0150 0000	Max 40 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 #2046377/1		

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Required Parts and Tools

Part Number	Part Description	Quantity
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06H 103 144 K	Camshaft bridge	01
06H 103 483 C Or 06H 103 483 D	Gasket Replace only if damaged Gasket	01
N 105 724 03 Or N 910 967 01	Hexagon socket head bolt Application dependent Hexagon socket head bolt	01
06J 115 403 Q	Oil filter	01
N 911 679 01 Or N 013 815 7	Drain plug Application dependent Drain plug seal ring	01
	Engine oil	4.9 quart

Additional Information

All parts and service references provided in this TSB (2046377) are subject to change and/or removal. Always check your service manuals for the latest information.

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