



# Technical Service Bulletin

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**01 MIL on, DTC P001100 and/or P002100 after completing TSB 2041097**

01 17 44 2049153/1 November 1, 2017.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
S6, RS 6, S7, A8, and S8	2013 – 2017	All	4.0 TFSI
RS 6+	2016	All	4.0 TFSI
RS 7	2014 - 2017	All	4.0 TFSI
RS 7+, S8+	2016 - 2017	All	4.0 TFSI

## Condition

**Customer may report one or more of the following:**

- MIL on
- EPC light is on
- Engine runs irregularly
- Engine speed limitation warning in instrument cluster

**Workshop findings:**

In the engine control module (ECM), J623 (address word 0001) one or more of the following DTC(s) listed below for **camshaft** adjustment are logged:

- **DTC P001100** (Bank 1, A camshaft position (Bank 1) Timing over-advanced or system performance - for inlet side) with symptom code 2795
- **DTC P002100** (Bank 2, A camshaft position (Bank 2) Timing over-advanced or system performance - for inlet side) with symptom code 9040

## Technical Background

Not applicable.



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## Production Solution

Optimized camshaft adjuster unit internal locking pin mechanism.

## Service

1. Complete the TSB 2041097: *01 MIL on (DTC P001100 and/or P002100 - camshaft position)*. If everything is correct, continue with Step 2.

Follow instructions in Elsa to complete the repair at Repair Manual, *Engine >> cylinder head >> chain drive >> camshaft timing chain removing from camshaft*.

2. If the camshaft control valves of the camshaft adjustment are found to be correct when completing TSB 2041097: *01 MIL on (DTC P001100 and/or P002100 - camshaft position)* then replace the inlet camshaft adjuster on the cylinder bank affected according to the DTC memory. Before fitting the new camshaft adjuster, clean the oil passage in the cylinder head between camshaft control valve and inlet camshaft adjuster with compressed air to remove any particles.

Please review video before proceeding with replacing the cam adjusters: <https://audi-external.kzoplatform.com:443/swf/player/355>.



**Tip:** This video is information only, please refer to Elsa for instructions.



*Figure 1. QR code for supporting video.*



### Note:

Replacing the camshaft adjuster of the exhaust side camshaft is not necessary with the above DTC(s) and symptom codes. The above symptom codes only refer to the intake camshafts.

This procedure contains mandatory replaceable parts. Refer to component overview and parts catalog prior to starting procedure to order the required parts.



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## Warranty

<b>Claim Type:</b>	<ul style="list-style-type: none"> <li>• 110 up to 48 Months/50,000 Miles.</li> <li>• G10 for CPO Covered Vehicles – Verify Owner.</li> <li>• If vehicle is outside any warranty, this Technical Service Bulletin is informational only.</li> </ul>		
<b>Service Number:</b>	1584		
<b>Damage Code:</b>	0010		
<b>Labor Operations:</b>	<b>S6</b>		
	Camshaft adjuster remove + reinstall (left/right or both inlet cam adjusters)	1584 2071	800 TU
	Radiator remove + reinstall	1970 1971	200 TU
	Front bumper remove + reinstall	6310 1950	50 TU
	Front bumper cover remove + reinstall	6329 1900	90 TU
	Refrigerant drained + filled	8703 1700	60 TU
	Headlight assembly adjusted	9415 1600	20 TU
	LED Matrix headlights if applicable	9415 1650	10 TU
	<b>S7</b>		
	Camshaft adjuster remove + reinstall (left/right or both inlet cam adjusters)	1584 2071	800 TU
	Cooling fan housing remove + reinstall	1920 1971	190 TU
	Front bumper cover remove + reinstall	6329 1900	90 TU
	Refrigerant drained + filled	8703 1700	60 TU
	<b>RS 7</b>		
	Camshaft adjuster remove + reinstall (left/right or both inlet cam adjusters)	1584 2073	800 TU
	Radiator remove + reinstall	1970 1973	220 TU
	Front bumper remove + reinstall	6310 1951	20 TU



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	Front bumper cover remove + reinstall	6329 1900	90 TU
	Refrigerant drained + filled	8703 1700	60 TU
	Front bumper remove + reinstall (MY14 & older)	6310 1950	70 TU
	Headlight assembly adjusted (MY14 & older)	9415 1600	20 TU
	<b>A8 and S8</b>		
	Camshaft adjuster remove + reinstall (left/right or both inlet cam adjusters)	1584 2071	250 TU
	Chain housing covers remove + reinstall (both)	1533 2021	740 TU
	<b>Additional S6, S7, and RS 7 Labor Operations</b>		
	Additional SRT based on VIN per equipment installed (night vision, overhead camera, and radar sensor)	See Elsa	Based on VIN (If applicable)
<b>Diagnostic Time:</b>	GFF	0150 0000	Time stated on diagnostic protocol (Max 50 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)		
<b>Claim Comment:</b>	As per TSB #2049153/1		

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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## Required Parts and Tools

Tool Number	Tool Description	Quantity
VAG1332	Torque wrench	1
VAG1332/9	Torque wrench insert-open ring wrench 24mm	1
T40071	Locking pins	2
T40263	Wrench-21mm	1
T40264/1	Camshaft lock Bank 1	1
T40264/2	Camshaft lock Bank 2	1
T40269	Wrench camshaft	1
T40272	Crankshaft turning tool	1

## Additional Information

The following Technical Service Bulletin(s) will be necessary to complete this procedure:

- TSB 2041097, *01 MIL on (DTC P001100 and/or P002100 - camshaft position)*.

All parts and service references provided in this TSB (2049153) are subject to change and/or removal. Always check with your Parts Department and service manuals for the latest information.

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