



# Technical Service Bulletin

## 01 MIL on (DTC P042000 and/or P043000 - catalyst system, bank 1/2 efficiency below threshold)

01 16 85 2041120/4 November 1, 2016. Supersedes Technical Service Bulletin Group 01 number 16-49 dated January 11, 2016 for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
S4, S5, S5 Cabriolet	2011 - 2015	All	3.0 TFSI
A6, A7	2012 - 2014	All	3.0 TFSI
A8	2012 - 2014	All	3.0 TFSI
Q5	2013 - 2015	All	3.0 TFSI

## Condition

REVISION HISTORY		
Revision	Date	Purpose
4	-	Revised <i>Warranty</i> (Updated Claim Type)
3	01/11/2016	Revised <i>Service</i> (Added information about crankcase pressure regulating valve) Revised <i>Warranty</i> (Added time for replacement of crankcase pressure regulating valve) Revised <i>Required Parts and Tools</i> (Added entire section)
2	07/29/2015	Revised header data (Updated customer codes)

- MIL on.
- **DTC P042000 and/or P043000** (Catalyst system Bank 1/2, Efficiency below threshold) is stored in the engine control module (ECM), J623 (address word 0001).

## Technical Background

The diagnostic limitations were too narrow.



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## Production Solution

New ECM software implemented to correct the condition.

## Service

- If the vehicle is model year 2013 or newer, proceed to *SVM Update Instructions*.
- If the vehicle is model year 2012 or older, check the repair history of the vehicle before proceeding:
  - If crankcase pressure regulating valve 06E103547H (or any newer suffix) has already been installed, no part update is necessary. Proceed to *SVM Update Instructions*.
  - If crankcase pressure regulating valve 06E103547H (or any newer suffix) has not been installed, install the latest part number before proceeding to *SVM Update Instructions*.

### SVM Update Instructions

1. Follow all instructions in TSB 2011732: *00 Software Version Management (SVM), operating instructions*.
2. Update the ECM (J623) (address word 0001) using the SVM action code as listed in the table below, if necessary.

Model	Old Software Part Number	Old software version	New Software Part Number	New Software Version (or higher)	SVM Code Input
S4,S5, S5 Cabriolet	8K5907551B 8K5907551D	ALL	8K5907551D	0003	02A210
	8K5907551C 8K5907551E		8K5907551E	0003	
	8K5907551F 8K5907551G		8K5907551G	0005	
Q5	8R0907551	ALL	8R0907551	0004	02A210
	8R0907551A		8R0907551A	0002	
	8R0907551C		8R0907551C	0003	



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	8R0907551E 8R0907551F		8R0907551F	0005	
	8R0907551D 8R0907551G		8R0907551G	0005	
A6/A7	4G0907551A	ALL	4G0907551A	0009	02A210
	4G0907551D		4G0907551D	0005	
	4G0907551F		4G0907551F	0005	
	4G0907551G		4G0907551G	0004	
	4G0907551J		4G0907551J	0004	
A8	4H0907551E	ALL	4H0907551E	0010	02A210
	4H0907551G		4H0907551G	0005	
	4H0907551D 4H0907551J		4H0907551J	0005	
	4H1927158AC		4H1927158DN	1002	

## Warranty

<b>Claim Type:</b>	<ul style="list-style-type: none"> <li>• 110 up to 48 Months/50,000 Miles.</li> <li>• 1E1 up to 8 Years/80,000 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>	2470
<b>Damage Code:</b>	0039
<b>Labor Operations:</b>	<b>For software update:</b>



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Check software level in ECM only (with no updated needed)	2470 0199	Max 10 TU
Check software level in ECM <i>and</i> perform update	2470 2599	Max 50 TU
<b>For crankcase pressure regulating valve installation, if necessary:</b>		
<b>S4, S5, S5 Cabriolet (2011 - 2012):</b>		
Crankcase breather remove + reinstall	1050 1991	130 TU
2 Fuel distributor rail remove + reinstall	2441 2091	90 TU
Compressor remove + reinstall	2114 1941	190 TU
Fuel system pressure decrease	2003 0091	10 TU
<b>A6, A7 (2012):</b>		
Crankcase breather remove + reinstall	1050 1991	130 TU
2 Fuel distributor rail remove + reinstall	2441 2091	90 TU
Compressor remove + reinstall	2114 1941	160 TU
Fuel system pressure decrease	2003 0050	10 TU
<b>A8 (2012):</b>		
Crankcase breather remove + reinstall	1050 1991	190 TU
2 Fuel distributor rail remove + reinstall	2441 2091	90 TU



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	Compressor remove + reinstall	2114 1941	160 TU
	Fuel system pressure decrease	2003 0050	10 TU
<b>Diagnostic Time:</b>	GFF	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 #2041120/4		

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
06E103547Q	Crankcase pressure regulating valve	1

## Additional Information

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

- TSB 2011732: *00 Software Version Management (SVM), operating instructions.*

All part and service references provided in this TSB (2041120) are subject to change and/or removal. Always check with your Parts Dept. and service manuals for the latest information.

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