

# Technical Service Bulletin



## 01 MIL on (DTCs for "system rich": P1137, P1127, P1139, P1129)

01 13 45 2031458/4 December 5, 2013. Supersedes Technical Service Bulletin Group 01 number 13-66 dated January 17, 2013 for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
S4, S5	2010-12	All	3.0 engine
A6	2012		
A7	2012		
A6 (C6)	2009-11		
Q7	2011-12		

## Condition

REVISION HISTORY		
Revision	Date	Purpose
4	-	Revised header data (Added customer codes; added DTCs)
3	1/17/2013	Revised <i>Condition</i> (Added DTCs) Revised <i>Warranty</i> (Updated SRTs)
2	12/17/2012	Revised <i>Required Parts and Tools</i> (Updated parts table)
1	11/5/2012	Original publication

- MIL on.
- One or more of following DTCs stored in the engine control module (ECM), J623 (address word 01):
  - **DTC P113700**: Bank1, mixture adaptation (add) System too rich
  - **DTC P112700**: Bank1, mixture adaptation (mult) System too rich
  - **DTC P113900**: Bank2, mixture adaptation (add) System too rich
  - **DTC P112900**: Bank2, mixture adaptation (mult) System too rich

## Technical Background

Under extreme driving conditions (such short-distance, stop-and-go driving), high crankcase pressure can cause the DTCs to appear.

The condition can be improved and the DTCs eliminated when the crankcase pressure valve is changed to a lower operating pressure and the ECM software is updated to compensate for new crankcase pressure.

## Production Solution

Crankcase pressure reduction starting with model year 2013.

## Service

1. Replace crankcase pressure regulating valve using the instructions in Elsa (*Repair Manual >>Engine >> Engine Mechanical >> 17 Lubrication >> Removal and Installation >> Cover with Oil Separator*) with part number **06E103547H**.



**Tip:** Reuse collected oil.

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

Model	Engine	Old Software Part Number	Old Software Version	New Software Part Number	New Software Version	SVM Action Code
A6 2009 – 2011	CCAA	4F1910551A	All	4F1910551D	0050	01A092
S4, S5 Cab 2010 – 2012	CCBA	8K0907551 A&B	All	8K0907551D	0003	
A6 / A7 2012	CGXB	4G0907551A	All	4G0907551A	0007	
Q7 2011 – 2012	CJWB CJWC CJWE	4L0910551K 4L0910551A 4L0910551J	0010 0010 0010	4L0910551K 4L0910551A 4L0910551J	0040 0050 0040	

# Technical Service Bulletin



## Warranty

<b>Claim Type:</b>	Use applicable claim type. If vehicle is outside any warranty, this Technical Service Bulletin is informational only.		
<b>Service Number:</b>	1050		
<b>Damage Code:</b>	0010		
<b>Labor Operations:</b>	<b>Q7:</b>		
	Pressure regulating valve remove + install (reduced for overlap)	1050 9999	80 TU
	Fuel rail remove + install	2441 2089	70 TU
	Compressor remove + install	2114 1939	160 TU
	<b>S4/S5 Cab:</b>		
	Pressure regulating valve remove + install	1050 1941	370 TU
	<b>A6/A7:</b>		
	Pressure regulating valve remove + install (reduced for overlap)	1050 1999	50 TU
	Fuel rail remove + install	2441 2091	70 TU
	Compressor remove + install	2114 1941	160 TU
	<b>All</b>		
	Fuel bleed	2003 0091	10 TU
	SVM software update	2470 2599	50 TU
<b>Diagnostic Time:</b>	GFF	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)		
<b>Claim Comment:</b>	As per TSB #2031458/3		

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

Parts Number	Part Description	Quantity
06E103213	Vent Tube	1
06E103547H	Crankcase pressure regulating valve	1
06E998907D	Repair kit	6
N 90316802	O-Ring Seal	1
079129717B	Seal	6
079129717D	Seal	6
G 012A8G1G	Coolant for top off	0.3 quarts

## Additional Information

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

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

All parts and service references provided in this TSB (2031458) are subject to change and/or removal. Always check with your Parts Department and service manuals for the latest information.