Technical Service Bulletin

01 MIL on (DTC P112800 and/or P113000 or P008700 or P244000 and/or P244200)

01 14 52 2029340/7 January 7, 2014. Supersedes Technical Service Bulletin Group 01 number 13-07 dated June 21, 2013 for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
A6, A7	2012	All	3.0 FSI Engine

Condition

REVISION HISTORY		
Revision	**Date**	**Purpose**
7	-	Revised header data (Updated customer codes)
6	6/21/2013	Revised *Warranty* (Corrected TUs) Revised header data (Added DTCs)
5	12/12/2012	Revised *Required Parts and Tools* (Updated part quantities)
4	10/1/2012	Revised *Warranty* (Updated Labor operation)
3	8/1/2012	Revised *Required Parts and Tools* (Added table) Revised *Warranty* (Updated Labor Operations)
2	5/21/2012	Revised *Service*, *Warranty*, and *Product Solution*
1	4/23/2012	Original publication

- MIL on.
- One or more of the following DTCs is stored in the engine control module (ECM), J623 (address word 01):
  - **DTC P112800** (Bank1, mixture adaptation (mult) System too lean)
  - **DTC P113000** (Bank2, mixture adaptation (mult) System too lean)
  - **DTC P008700** (Fuel Rail/System Pressure - Too Low)
  - **DTC P244000** (Secondary Air Injection System Switching Valve Stuck Open Bank1)
  - **DTC P244200** (Secondary Air Injection System Switching Valve Stuck Open Bank2)

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Technical Background

The faults listed above are caused by an incorrect software setting and can occur under certain driving conditions. In some scenarios, such as extended idling or heavy stop-and-go traffic, a slight misinterpretation of the data can occur and the MIL may be activated. For example:

- The MIL will illuminate and **DTC P112800** and/or **DTC P113000** will be stored when the intake air temperature is high. Freeze frame data will show an intake air temperature above 104°F (40°C). In the example below, intake air temperature is 108°F (42°C):

Measured values:	
Engine speed:	711.5/min
Standardized load value:	15.7%
Vehicle speed:	0 km/h
Coolant temperature:	199°F (93 °C)
Intake air temperature:	**108°F (42 °C)**
Ambient air pressure:	990 mbar

- The MIL will illuminate and **DTC P008700** will be stored when the coolant temperature is high. Freeze frame data will show a coolant temperature above 212°F (100°C). In the example below, coolant temperature is 221°F (105°C):

Measured values:	
Engine speed:	723.1/min
Standardized load value:	10.2 %
Vehicle speed:	0 km/h
Coolant temperature:	**221°F (105°C)**
Intake air temperature:	108°F (42 °C)
Ambient air pressure:	992 mbar

- There are no condition restrictions for **DTC P244000** or **DTC P244200**.

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Production Solution

New software in the ECM addressed the condition.

Service

1. Replace crankcase pressure regulating valve with part number **06E103547H**.
2. Update the ECM using the SVM action code listed in the table below, if necessary. Follow all instructions in TSB 2011732: *00 Software Version Management (SVM), operating instructions*.

Model	Engine	Old Software Part Number	Old Software Version (or lower)	New Software Part Number	New Software Version (or higher)	SVM Action Code
A6, A7	3.0 V6 TFSI	4G0907551A	0005	4G0907551A	0007	01A092

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Warranty

Claim Type:	Use applicable claim type. If vehicle is outside any warranty, this Technical Service Bulletin is informational only.		
Service Number:	2470		
Damage Code:	0039		
Labor Operations:	Pressure regulating valve remove + install	2114 9999	280 TU
	Check software levels, no update necessary	2470 0199	20 TU
	Check software levels, perform update	2470 2599	50 TU
Diagnostic Time:	GFF – Checking and clearing fault codes included in existing labor operations	No allowance	0 TU
	Road test prior to service procedure	0121 0002	10 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 #2029340/7		

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

Parts Number	Part Description	Quantity
06E103547H	Crankcase pressure regulating valve	1
06E103213	Vent Tube	1
06E998907D	Repair kit	6
N 90316802	O-Ring Seal	1
079129717B	Seal	6
079129717D	Seal	6
G 013A8J1G	Coolant for top off	0.3

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Additional Information

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

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

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