Technical Service Bulletin

17 Engine oil consumption - Customer complaints, 3.0T TFSI Model Year 2009 – 2012

17 15 55 2030197/13 February 9, 2015. Supersedes Technical Service Bulletin Group 17 number 13-46 dated November 7, 2013 for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
All	2009 - 2012	All	3.0T TFSI engine

Condition

REVISION HISTORY		
Revision	**Date**	**Purpose**
13	-	Revised *Warranty* (Updated Labor Operations)
12	11/7/2013	Revised *Warranty* (Changed TUs for oil consumption measurement)
11	10/23/2013	Revised *Service* (Added ODIS instructions; updated Tip about conventional scale/oil weighing method) Revised *Warranty* (Added conventional scale/oil weighing method)
10	3/28/2013	Revised *Service* (added Tip)
9	3/13/2013	Revised *Warranty* (updated labor operations)
8	2/14/2013	Revised *Service* (added step) Revised *Condition* (clarified condition)
7	12/12/2012	Revised *Required Parts and Tools* (updated part quantities)
6	11/23/2012	Revised *Warranty* (updated labor operations)
5	10/1/2012	Revised header data Revised *Service* (updated SVM table)
4	9/5/2012	Revised *Warranty* (updated labor operations)
3	8/28/2012	Revised *Service* (updated SVM table)
2	8/24/2012	Revised *Warranty* (updated Labor operation)
1	7/16/2012	Original publication

Customer complains of excessive oil consumption.

Technical Background

In order to provide effective lubrication and cooling of internal engine components, all internal combustion engines consume a certain amount of engine oil. Oil consumption varies from engine to engine and may change significantly over the life of the engine. Typically, engines with specified break-in periods consume more oil during the break-in period, and the oil consumption will stabilize after the break-in period. Refer to the *Owner's Manual* for specific break-in procedures.

Under normal conditions, the rate of oil consumption depends on the quality and viscosity of the oil, the RPM at which the engine is operated, the ambient temperature, and road conditions. Additional factors are the amount of oil dilution from water condensation or fuel residue, and the oxidation level of the oil.

Under certain driving conditions, internal engine pressure conditions in the 3.0 TFSI engine can negatively influence the rate of oil consumption. This can occur while the vehicle is operated in city driving conditions, for example: stop and go traffic with extended idle periods.

Production Solution

Crankcase pressure reduction starting with model year 2013.

Service

Upon customer complaint of excessive engine oil consumption, proceed as follows:

1. Replace crankcase pressure regulating valve (follow *Elsa >> Engine >> Engine Mechanical >> 17 Lubrication >> Removal and Installation >> Cover with Oil Separator*) with part number **06E103547H.**

   Tip: Capture coolant for reuse.

Warning:

Do not perform the SVM code while the fuel lines are not connected, because the fuel pump may be activated. This is to prevent fuel from spraying out of any open lines.

2. Update the Engine Control Module software using SVM action code as listed in the table below these instructions. Follow all instructions in TSB 2011732: *00 Software Version Management (SVM), operating instructions*.

3. Perform Oil Consumption Test, part one:

   Tip: If electronic oil consumption test is not available for this model, perform the test with the conventional scale/oil weighing method. See TSB 2018550 for instructions for the conventional scale/oil weighing method.

Ensure that vehicle is on a level surface. In ODIS, follow the path below to start electronic oil consumption measurement, following all instructions closely:

Select *Control Modules*, then right-click on *01-Engine Electronics.* Select *Guided Functions* >> ***01 – Oil consumption measurement (electronic m., idle).***

4. Advise the customer to return the vehicle to the dealership for part two of the Oil Consumption Test if the low oil level warning light illuminates. The customer should not add any oil.

5. If the customer returns the vehicle to the dealership due to the low oil level warning light illuminating, perform Oil Consumption Test, part two:

   Ensure that vehicle is on a level surface. In ODIS, follow the path below to start electronic oil consumption measurement, following all instructions closely:

   Select *Control Modules*, then right-click on *01-Engine Electronics.* Select *Guided Functions* >> ***01 – Oil consumption measurement (electronic m., idle).***

6. Contact Audi Technical Assistance Center (TAC) with all test results. Attach both the GFF logs to the TAC ticket prior to contacting a TAC consultant.

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	01A092
A6 & A7 (2012)	CGXB	4G0907551A	All	4G0907551A	0007	01A092
Q7 (2011 - 2012)	CJWB CJWC CJWE	4L0910551K 4L0910551A 4L0910551J	0010 0010 0010	4L0910551K 4L0910551A 4L0910551J	0040 0050 0040	01A092

Warranty

Only one oil consumption test will be reimbursed under Warranty within the next 25,000 miles (40,000 km).

Tip: Brand CD V19.46 (or later version) has to be installed on the tester.

Claim Type:	Use applicable claim type. If vehicle is outside any warranty, this Technical Service Bulletin is informational only.		
Service Number:	1055		
Damage Code:	0010		
Labor Operations:	**Q7:**		
	Pressure regulating valve remove+reinstall	1050 1989	160 TU
	Fuel rail remove+reinstall	2441 2089	90 TU
	Compressor remove+reinstall	2114 1939	160 TU
	S4, S5 Cabriolet:		
	Pressure regulating valve remove+reinstall	1050 1991	130 TU
	Fuel rail remove+reinstall	2441 2091	90 TU
	Compressor remove+reinstall	2114 1941	190 TU
	A6, A7:		
	Pressure regulating valve remove+reinstall	1050 1991	130 TU
	Fuel rail remove and install	2441 2091	90 TU
	Compressor remove and install	2114 1941	160 TU
	All:		
	Start oil consumption measurement, Part 1 (If using electronic test)	1716 0199	Time on GFF diagnostic log (Max 150 TU)

	Oil consumption measurement, Part 2 (If using electronic test)	1716 0299	Time on GFF diagnostic log (Max 150 TU)
	Start oil consumption measurement, Part 1 (If using scale weighing method)	1716 0199	90 TU
	Oil consumption measurement, Part 2 (If using scale weighing method)	1716 0299	60 TU
	Fuel bleed	2003 00XX	See Elsa
	SVM software update	2470 2599	50 TU
Diagnostic Time:	GFF – Checking and clearing fault codes included in existing labor operations	0150 0000 No allowance	0 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 #2030197/13		

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
06E103213	Vent Tube	1
06E103547H	Crankcase pressure regulating valve	1
06E998907E	Repair kit	6
N 90316802	O-Ring Seal	1
079129717B	Seal	6
079129717D	Seal	6
G 013A8J1G	Coolant for top off	0.3

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 (2030197) are subject to change and/or removal. Always check with your Parts Department and service manuals for the latest information.