

#### 17 Electronic oil consumption measurement - Repair Authorization 3.0T MY 2013/14

17 13 47 2035463/2 November 7, 2013. Supersedes Technical Service Bulletin Group 17 number 13-44 dated October 22, 2013 for reasons listed below.

M	odel(s)	Year	VIN Range	Vehicle-Specific Equipment
	5, A5 Cab, , A8, Q5, Q7	2013 - 2014	All	3.0T engine

### Condition

REVISION HISTORY					
Revision	Date	Purpose			
2	-	Revised Warranty (Changed TUs for oil consumption measurement)			
1	10/22/2013	Initial publication			

If there is a customer complaint about oil consumption, follow the procedure below.

## **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, and the ambient temperature and road conditions. Additional factors include the amount of oil dilution from water condensation or fuel residue and the oxidation level of the oil.

Utilizing the advanced sensor technology integrated in models equipped with the 3.0 TFSI engine, it is possible to measure oil consumption electronically via a Guided Function test plan.

The advantages of an electronic measurement are:

- No engine oil required (only for top-off).
- No hoist required.
- Increased accuracy.
- No manual paperwork (all information stored in GFF diagnostic log).

**Tip:** If the 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.

Page 1 of 5

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## **Production Solution**

Not applicable.

## Service

- 1. If the vehicle is within Warranty, you *must* obtain authorization from the Audi Technical Assistance Center before proceeding to Part 1 of the test.
- 2. When creating a TAC ticket, in the field *Concern Type*, select *Oil Consumption Repair Authorization*, as shown below (Figure 1).

	Create Tic	Create Ticket	
	Ticket Inform	nation	
Concern Type:	Select concern type	~	
Technician Code:	Select concern type	hician Name	
Dealer Code:	Oil Consumption Repair Authorization		
	Audi Automatic Transmission		
	Audi- Electrical and MMI	1000	
	A/C - CV Top -Brakes- Body/Chassis/Suspension & Air Bag	tion	
VN:	Engine and Engine Electronics		
Model:	A8 W12 Repair Authorization	Year:	
Mileage/Kilometer:	Audi Standard Transmission and Final Drive	e Code:	
	Audi R8 Launch Repair Authorization		
	A3 TDI Launch Engine, Fueling & Exhaust Authorization		
	Technician Ques	stionnaire	

Figure 1. Oil Consumption Repair Authorization.

#### Start oil consumption measurement, Part 1

1. Park vehicle on a level surface, Guided Function test plan will *not* continue if vehicle tilted is more than 0.5 degrees (*side to side and front to rear*).

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2. Right click 01-Engine Electronics >> select Guided Functions >> 01 – Oil consumption measurement (electronic m., idle), as shown below (Figure 2).

importer Dealer: Order:		444 03999 —	VIN Engine:	WAUGFAFC4DN075097 CAEB 2.0I TFSI / 155 kW	a 🐁	0	Audi	D	
Control modu	les Resu	Its Orders DISS TSB Test pla					Operating mode	95 🗚	
Control mod	lule list (70	entries)	01 - Control mo				🌚 Diagnosis		
Add *	Fault	Name	01 - Control mo	dule, replacing and coding		-	🕑 Self Diagno	dis	
01	0	Engine Control Module 1 (01	01 - Intake Man	01 - Generating readiness code   01 - Intake Manifold Runner Flap Position Sensor, adapting   01 - Oit consumption threasurement (electronic m. idle)   01 - Read Measuring Value Blocks   01 - Start/Stop Measuring values   01 - Start/Stop Read History Data (RG. 21 - 28)   01 - Throttle Valve Control Module, adaptation   01 - Valve Lift Changeover, checking				Rash	
02	0	Transmission Control Module						-	
03	0	Brakes 1 (03 - ESP Premium)						A Measurement	
04	0	Steering Angle Sender (Not y	01 - Start/Stop					Se Info	
05	0	Kessy (05 - Access/Start Aut	01 101 100 0					Admin	
06	0	Seat Adjustment Passenger	CONTRACTOR OF THE OWNER OF				Log	¥	
08	0	Air Conditioning (08 - A/C / He	eating E	Perform					
09	0	Central Electrics (09 - Vehicle	Electrical System) (4H09	907063CG 0130 BCM1 2.0 )			Data	*	
0E	0	Media Player Position 1 (Not)	vət identified) (—  —  —)				Extras	8	
<						*	Help	×	
Vetwork diag	gram Cont	trol module list DTC memory list	Equipment list				1.54P		
Diagnos	is 🔳 Di	splay					>	0	
Diagnos					73			-	
start 🕥	and the second second	d Diagnostic I			۵		1 K M # 8 10	-	

Figure 2. 01 – Oil consumption measurement (electronic measurement idle).

3. Follow the test plan, Start oil consumption measurement, and observe all notes and cautions.

**Tip**: Attach the diagnostic log to the TAC contact and to the repair order.

4. Advise the customer to schedule an appointment at his or her convenience for the evaluation measurement (part 2) after 630 miles (1,000 km) have passed. If the low oil level warning light comes on before the mileage reached, the test is finished; the vehicle must be taken to the dealership for Part 2 of the Oil Consumption Test, regardless of the miles accumulated. The customer should *not* add any oil.

#### Evaluate measurement (following road test), Part 2

- 1. When the customer returns the vehicle to the dealership, perform Part 2 *Evaluate measurement of the Oil Consumption Test.*
- 2. Contact Audi Technical Assistance Center (TAC) with all test results.
- 3. You *must* attach both the GFF log and the oil measurement test sheet to the TAC ticket prior to contacting a TAC consultant.

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## Warranty

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

### U Note:

Oil measurement plan must be performed independently. Time for additional tasks performed via GFF should not be included in oil measurement time and is subject to removal.

Claim Type:	Use applicable claim type. If vehicle is outside any warranty, this Technical Service Bulletin is informational only.				
Service Number:	1716				
Damage Code:	0010				
Labor Operations:	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)		
	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		
Diagnostic Time:	GFF – Checking and clearing fault codes included in existing labor operations	No allowance	0 TU		
	Road test prior to service procedure	No allowance	0 TU		
	Road test after service procedure	No allowance	0 TU		
	(Refer to Section 2.2.1.2 and Audi Warranty Online for DADP allowance details)				
Claim Comment:	As per TSB #2035463/2				

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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## **Additional Information**

All parts and service references provided in this TSB (2035463) are subject to change and/or removal. Always check with your Parts Department and service manuals for the latest information.

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Page 5 of 5

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