

Technical Service Bulletin



17 Electronic oil consumption measurement - Repair Authorization Model Year 2012> A4, allroad, A5, A5 Cab, A6 and Q5

17 13 41 2027501/6 September 27, 2013. Supersedes Technical Service Bulletin Group 17 number 11-24 dated November 11, 2011 for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
A4, allroad, A5, A5 Cab, A6, Q5	2012 - 2013	All	2.0 TFSI

Condition

REVISION HISTORY		
Revision	Date	Purpose
6	-	Revised header data (Added model year and engine codes) Revised <i>Service</i> (Replaced GFF instructions with ODIS instructions)
5	11/11/2011	Revised header data
4	11/7/2011	Revised header data (Added model A6)
3	11/2/2011	Revised header data (Removed model years 2009 – 2011)
2	8/30/2011	Revised header data (Corrected VINs)
1	8/24/2011	Original 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 are 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 the 2009> B8 platform (A4, allroad, A5, A5 Cabriolet, A6, and Q5) equipped with the 2.0 TFSI (CAEB, CPMA) engine, it is possible to measure oil consumption electronically via a Guided Function test plan.

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The advantages of an electronic measurement are:

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



Tip: The electronic oil consumption measurement will only function on the 2.0 TFSI engine with engine code CAEB and CPMA.

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).

The screenshot shows a 'Create Ticket' form with a 'Ticket Information' section. The 'Concern Type' dropdown menu is open, displaying a list of options. The option 'Oil Consumption Repair Authorization' is highlighted. Other options include 'Audi Automatic Transmission', 'Audi- Electrical and MMI', 'A/C - CV Top -Brakes- Body/Chassis/Suspension & Air Bag', 'Engine and Engine Electronics', 'A8 W12 Repair Authorization', 'Audi Standard Transmission and Final Drive', 'Audi R8 Launch Repair Authorization', and 'A3 TDI Launch Engine, Fueling & Exhaust Authorization'. The form also includes fields for 'Technician Code', 'Dealer Code', 'VIN', 'Model', and 'Mileage/Kilometer'.

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 tilt is more than 0.5 degrees (*side to side and front to rear*).
2. Right click *01-Engine Electronics* >> select *Guided Functions* >> *01 – Oil consumption measurement (electronic m., idle)*, as shown below (Figure 2).

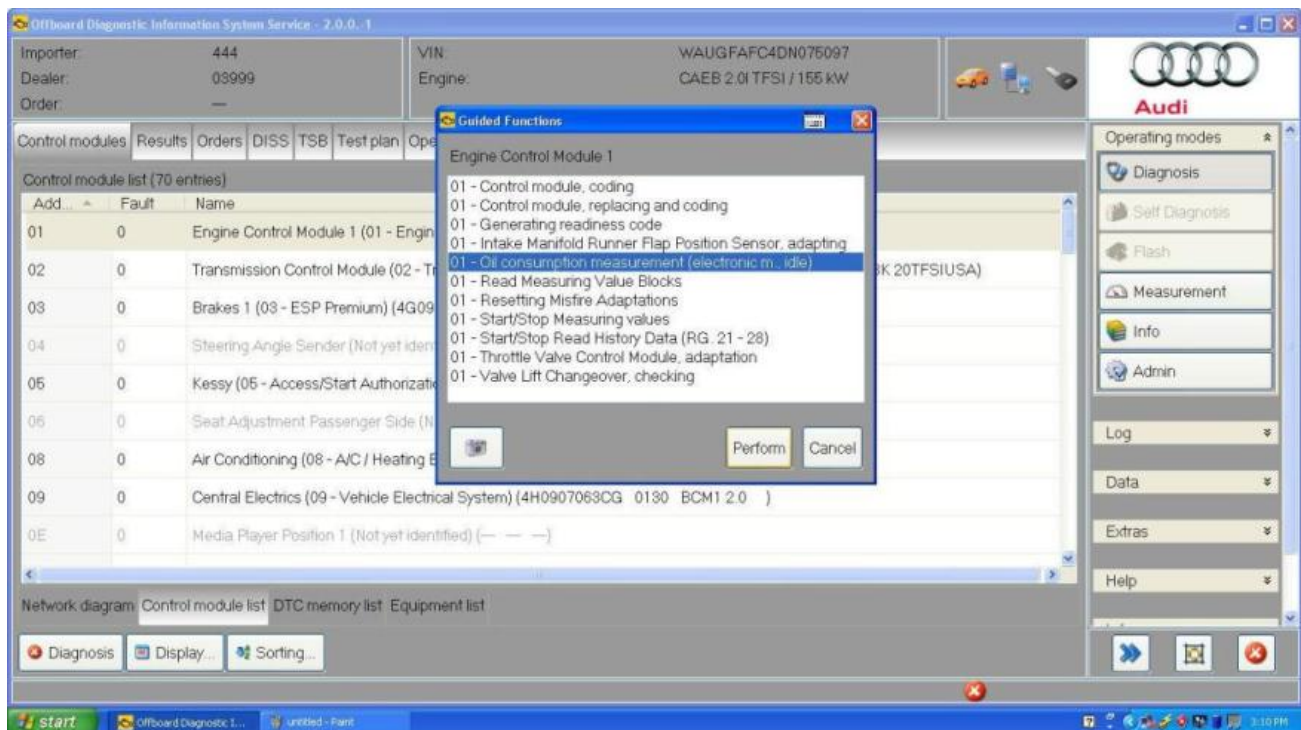


Figure 2. 01 – Oil consumption measurement (electronic measurement idle).

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.

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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.

Warranty

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



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:	Start oil consumption measurement, Part 1	1716 0199	Time on GFF diagnostic log (Max 60 TU)
	Evaluate measurement (following road test), Part 2	1716 0299	Time on GFF diagnostic log (Max 40 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	No allowance	0 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 #2027501/6		

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

Required Tool	Tool number
Dip stick tool	T40178
VAS Tester	N/A

Additional Information

All parts and service references provided in this TSB (2027501) are subject to change and/or removal. Always check with your Parts Department and service manuals for the latest information.