

Technical Service Bulletin



01 Engine oil pressure sender 1 - G10 - engine oil sensor warning lamp - P052100 - 5-cyl. TFSI in RS 3
01 23 40 2067756/2 February 2, 2023. Supersedes Technical Service Bulletin Group 01 number 22-24 dated August 11, 2022, for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
RS 3	2022 – 2023	All	Not Applicable

Condition

REVISION HISTORY		
Revision	Date	Purpose
2	-	Revised header (Add Model Year, 2023) Revised <i>Service (SVM code added)</i>
1	09/28/2022	Initial publication

Customer states:

- The engine oil sensor warning lamp comes on.



- Oil pressure sensor: fault.

Workshop findings:

The following DTCs and symptom code combinations are stored in the Engine control module, J623 (address word 0001):

- P052100:** Engine Oil Pressure Sensor/Switch "A", Range/Performance, with symptom code: 29245.

Technical Background

The software for the Engine control module, J623 (address word 0001) needs to be updated.

Scenario 1 - close to or during delivery:

- When Transport mode is activated (P169A00), oil pressure control is not active and the vehicle operates continuously in the high oil pressure mode. When operating the vehicle at high RPMs, this can lead to DTC P052100 "Engine Oil Pressure Sensor/Switch "A", Range/Performance, with symptom code 29245" being logged.
- After transport mode has been deactivated, P052100 must be erased separately.

Scenario 2 - after delivery:



- During a restart when the engine is warm, no temperature-dependent activation of the oil pressure control valve is performed. The engine is operated at a high oil pressure level and the oil pressure is detected as being too high.

Production Solution

New software implemented at the end of Q1 2023.

Service

This TSB replaces Pending Service Solution (PSS) TSB 2068121: *PSS 01 Engine oil pressure sender 1 - G10 - engine oil sensor warning lamp - P052100 - 5-cyl. TFSI in RS 3.*

Scenario 1:

- Deactivate transport mode (P169A00) and erase DTC memory.

Scenario 2:

- Switch the ignition off and then on again and then restart the engine. If the Oil pressure warning does not appear again in the instrument cluster, erase the event memory and do not perform any repairs.

SVM Update Instructions



Always use DoIP when flashing a control module via ODIS in supported vehicles.

To Activate DoIP, select *Administration>>General>>GFF Process>>DoIP communication>>Only allow DoIP communication*

This setting will automatically reset when the diagnostic session is ended.

You can tell if DoIP is active by observing a red LED on the VAS 6154(A)

- Follow all instructions in TSB 2011732: *00 Software Version Management (SVM), operating instructions.*
- Update the J623 (0001) using the SVM action code as listed in the table below, if necessary:

Model	Diagnostic Address	Old Software Part Number	Old Software Version (or lower)	New Software Part Number (or higher)	New Software Version (or higher)	SVM Code Input
RS3	0001	8Y0.907.404.B	0003	*	0004	01A309
RS3	0001	8Y0.907.404.C	0002	*	0003	01A309

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Note:

Try to reproduce the customer complaint (based on the description/cause of the issue), so that it can be clearly assigned to this TSB. The following repair must only be carried out if all the criteria (model/type, chassis number, engine/motor and gearbox code, PR number(s), part number, software version, code etc.) apply exactly. Otherwise, this solution will not eliminate the problem, and repeat repairs may be necessary. In such a case, we may reject the warranty claim and debit the parts.

Warranty

Scenario 1:

Deactivate transport mode (P169A00) and erase event memory. Please do not claim this TSB as the DTC memory must be erased as part of the PDI inspection.

Scenario 2:

The ECM software must be updated. Please use SVM code 01A309.

Replacing parts or attempting repairs will not correct the DTC. Any repairs or replacement parts invoiced without approval will be charged back.

Claim Type:	• 110 up to 48 Months/50,000 Miles. • G10 for CPO Covered Vehicles – Verify Owner. • 1E1 up to 8 years/80,000 Miles. • If the vehicle is outside of any warranty, this Technical Service Bulletin is informational only.		
Service Number:	2470		
Damage Code:	0039		
Diagnostic Time:	Software Update (Includes checking for DTCs)	0151 0000	Time stated on the diagnostic protocol (Max 50 TU)
Claim Comment:	As per TSB 2067756/2		

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.

Required Parts and Tools

Tool Number	Tool Description
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VAS 6160/VAS 6150	VAS tester with the current version of ODIS (Windows 10)
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Additional Information

All part and service references provided in this TSB (**2067756**) are subject to change and/or removal. Always check with your Parts Department and/or ETKA for the latest information and parts bulletins. Please check the Repair Manual for fasteners, bolts, nuts, and screws that require replacement during the repair.

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