



# Technical Service Bulletin

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**13 Engine oil level too low, engine oil consumption too high**  
13 23 19 2071114/1 August 31, 2023.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
A8	2019 – 2021	All	4.0 Engine
S8, SQ8, and SQ7	2020 – 2023		Not Applicable
RS 6 Avant, and RS 7	2021 - 2022		

## Condition

### Customer states:

- The vehicle is consuming too much engine oil.
- The engine oil level is too low.

### Workshop findings:

- No visible engine oil traces/leaks are present.
- Oil consumption testing (executed in ODIS) has determined oil consumption to be over the allowed limit.
- No technical reason for oil loss can be determined.

## Technical Background

Change to piston ring geometry.

## Production Solution

Updated piston rings introduced.

## Service

Before attempting the repair service solution, the following training videos in *Audi Knowledge Tank (AKT)* **must** be watched and the respective online assessments **must** be completed with a passing grade. Training videos can be accessed by the following links:

**Part 1:** STV\_0709, Piston replacement on the V8 TFSI engine of the EA825 engine series.



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Link: <https://www.knowledgetank.audi/page/detail/type=stv&key=92d4dabc-0fc7-46d3-bd26-4cbc805fcfe8/>

**Part 2:** STV\_0710, Removing and installing pistons on the V8 TFSI engine of the EA825 engine series.

Link: <https://www.knowledgetank.audi/page/detail/type=stv&key=1f565129-df9c-48b5-b724-9548d79e35ad/>

**Part 3:** STV\_0711, Assembling on the V8 TFSI engine of the EA825 engine series.

Link: <https://www.knowledgetank.audi/page/detail/type=stv&key=e6f6d8b1-0154-456b-a88e-cd8da7c4b000/>

**Part 4:** STV\_0712, Setting the valve timing on the V8 TFSI engine of the EA825 engine series.

Link: <https://www.knowledgetank.audi/page/detail/type=stv&key=e6f6d8b1-0154-456b-a88e-cd8da7c4b000/>

**Part 5:** STV\_0713, Removing the adhesive seals on the V8 TFSI engine of the EA825 engine series.

Link: <https://www.knowledgetank.audi/page/detail/type=stv&key=d3ca2496-6ec6-44da-bc32-a690630654dd/>

**Part 6,** STV\_0714, Removing, installing and cleaning the injectors on the V8 TFSI engine of the EA825 engine series.

Link: <https://www.knowledgetank.audi/page/detail/type=stv&key=10083817-5c33-4351-a9b6-5b5e1ca6928f/>

After watching the training videos, the online assessment **must** be completed through *Audi Certification and Resource Center (CRC)*.



**Note: Please always follow the repair process steps outlined in ELSA/workshop manual.**

Before attempting the repair service solution, the follow steps **must** be completed:

- Confirm that there are no visible engine oil traces and/ or leaks present.
- Perform an oil consumption test in ODIS in order to confirm that the engine is consuming engine oil over the allowed limit. Please refer to TSB **2059366** for additional instructions.
- Upload both GFF logs (i.e. Part 1 and Part 2) of the ODIS oil consumption test to GFF paperless.
- Confirm that oil consumption is over the allowed limit as per oil consumption test (executed in ODIS).
- Enter all of information that the ODIS tester prompts for entry, (e.g. driving profile data and Long-term memory of trip computer data). Photos must also be taken and uploaded to **DOCIT**.

If the conditions mentioned above are met, and the technical reason for engine oil loss cannot be determined, proceed with replacing all 8 of the pistons and piston rings as follows:

Power Class 4 with Engine Code CXYA

- Bank 1 Pistons (piston rings included with pistons) : 0P2 107 066 L
- Bank 2 Pistons (piston rings included with pistons) : 0P2 107 065 L

Power Class 5 with Engine Codes CWWB, DWKA, DCUE, DWRB, DJPB, DWLA

- Bank 1 Pistons (piston rings included with pistons) : 0P2 107 066 M



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- Bank 2 Pistons (piston rings included with pistons) : 0P2 107 065 M

## Additional documentation

- A list of special tools required for this service solution (filename: "Special\_Tools\_List\_Piston\_Replacement\_EA825.pdf")
- A replacement parts list (please use **ETKA with the VIN entered in conjunction with ELSA** to confirm current replacement part revision levels, this list is only for reference) (filename: "Sample\_Replacement\_Parts\_Piston\_Replacement\_EA825.pdf")
- Installation and removal instructions for the engine wire harness (only for reference) (filename: "Sample\_Engine\_wire\_harness\_EA825\_MLB65\_A8.pdf")
- A list describing necessary repair step in chronological order that is to be used as need in conjunction with ELSA. (filename: "Sample\_Repair\_Steps\_EA825.pdf")

## Warranty

<b>Claim Type:</b>	<ul style="list-style-type: none"> <li>• 110 Up to 48 Months/50,000 Miles.</li> <li>• G10 for CPO Covered Vehicles – Verify Owner.</li> <li>• If the vehicle is outside of any warranty, this Technical Service Bulletin is informational only.</li> </ul>		
<b>Service Number:</b>	1319		
<b>Damage Code:</b>	0010		
<b>Labor Operations:</b>	Noise dampening pan remove+reinstall	1082 1900	See SRT with associated operations
	Check engine oil level. Visually inspect for tampering of oil consumption test at the oil cap, drain plug and dipstick.	1701 3599	Max 30 TU
	Engine complete remove+reinstall and mounting on engine stand (as needed)	1001 1923 Or 1001 1924	See SRT with associated operations
	8 Pistons remove+reinstall (as needed)	1310 2073	See SRT with associated operations
	8 Connecting rods replace (as needed)	1340 5652	See SRT with associated operations



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<b>Diagnostic Time:</b>	GFF	0150 0000	Time stated on the diagnostic protocol (200 TU Max)
	Road test before the service procedure	0121 0002	No allowance
	Road test after the service procedure	0121 0004	10 TU
<b>Claim Comment:</b>	As per TSB 2071114/1		

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

A list of special tools required for repair has been provided, filename called out in "Service" section.

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

## Additional Information

All part and service references provided in this TSB (**2071114**) 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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