

Technical Service Bulletin

Topic	15 Oil leak from the cylinder head - 2.9 and 3.0 TFSI only
Market area	United States 444 Volkswagen of America, Inc. (6444)
Brand	Audi
Transaction No.	2053278/10
Level	EH
Status	Released for publishing
Release date	Sep 30, 2025

New customer code

Object of complaint	Complaint type	Position
entire vehicle -> vehicle areas -> vehicle front	leaks -> oil leaking	
engine -> lubrication system -> engine oil	component, automotive fluids -> too little	
entire vehicle -> assemblies -> engine assembly	leaks -> oil leaking	
entire vehicle -> vehicle areas -> engine compartment	leaks -> oil leaking	
engine -> lubrication system -> engine oil	contamination -> dirty	
engine -> cylinder head, valvetrain -> cylinder head cover	leaks -> oil leaking	

Vehicle data

2.9TFSI and 3.0TFSI

Sales types

Type	MY	Brand	Designation	Engine code	Gearbox code	Final drive code
*	2018	A		CWGD	*	*
*	2018	A		DECA	*	*
*	2019	A		CWGD	*	*
*	2019	A		DECA	*	*
*	2019	A		DLZA	*	*
*	2019	A		DCBD	*	*
*	2019	A		CZSE	*	*
*	2020	A		DLZA	*	*
*	2020	A		DCBD	*	*
*	2020	A		CZSE	*	*
*	2020	A		CWGD	*	*
*	2020	A		DKMB	*	*
*	2020	A		DECA	*	*
*	2021	A		CWGD	*	*
*	2021	A		DKMB	*	*

Type	MY	Brand	Designation	Engine code	Gearbox code	Final drive code
*	2021	A		DECA	*	*
*	2021	A		DLZA	*	*
*	2021	A		DCBD	*	*
*	2021	A		CZSE	*	*
*	2022	A		DLZA	*	*
*	2022	A		DCBD	*	*
*	2022	A		CZSE	*	*
*	2022	A		CWGD	*	*
*	2022	A		DKMB	*	*
*	2022	A		DECA	*	*
*	2023	A		CWGD	*	*
*	2023	A		DKMB	*	*
*	2023	A		DECA	*	*
*	2023	A		DLZA	*	*
*	2023	A		DCBD	*	*
*	2023	A		CZSE	*	*
*	2024	A		DCBD	*	*
*	2024	A		CZSE	*	*
*	2024	A		CWGD	*	*
*	2024	A		DKMB	*	*
*	2024	A		DECA	*	*
*	2024	A		DLZA	*	*
*	2025	A		CWGD	*	*
*	2025	A		DKMB	*	*
*	2025	A		DECA	*	*
*	2025	A		DLZA	*	*
*	2025	A		DCBD	*	*
*	2025	A		CZSE	*	*
*	2026	A		DKMB	*	*
*	2026	A		DLZA	*	*

Documents

Document name
master.xml

Condition

REVISION HISTORY		
Revision	Date	Purpose
10	-	Revised header (Added Model Years) Revised <i>Technical Background</i> (Updated verbiage) Revised <i>Warranty</i> (Updated Labor Operations)
9	07/14/2023	Revised <i>Warranty</i> (Updated Labor Operations)
8	06/25/2021	Revised <i>Warranty</i> (Updated Labor Operations)

Customer states:

- Oil loss in the area around the engine compartment, front end, and underbody.
- Oil level warning (too low).
- There is a smell coming from the engine compartment.

Workshop findings:

- There is a leak in the area around the cylinder head cover, valve cover, and cylinder head.
- There is a leak in the area around the injector.
- There is a leak in the area around the Audi valvelift system actuator.

Technical Background

Casting residue/ particles produced during manufacture in sealing groove between cylinder head cover and the cylinder head.

Production Solution

Improved production processes. Production change date from production date 04/01/2025 onwards.

Service

As the oil loss in the area of the cylinder head cover may involve two different issues, proceed as follows to clearly determine the source of the leak.

1. Remove the engine compartment cover and the heat shield below it.

2. Remove the upper noise insulation of the affected cylinder bank (Figure 1).

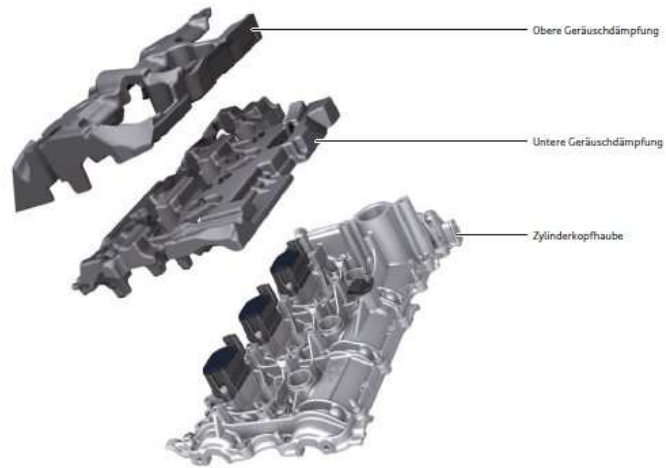


Figure 1. Removing the upper noise insulation.

3. Remove the Audi valvelift system actuator of the affected cylinder.

A. If there is a substantial quantity of oil below the Audi valvelift system actuator (illustration), the cause of the leak is the O ring of the Audi valvelift system actuator.

Please take photos of the oil under the Audi valve lift system actuator as shown in Figure 2. Then upload them into DOC-IT with the repair order. Photos should:

- Include the VIN and date.
- Must not be edited.
- Be taken in focus and with sufficient light. A high resolution is not necessary.



Figure 2. Oil in the Audi valve lift system.

Replace the Audi valvelift system actuator with an O ring, clean the engine compartment, and if necessary replace the noise insulation (if it is soaked in oil) (Figure 2).

B. If there is no substantial quantity of oil below the Audi valvelift system actuator continue with Step 4!

4. Remove the lower noise insulation.

5. Locate the affected cylinder. Oil should have gathered in the area of the injector (Figure 3) and the noise insulation should also be soaked in oil.



Figure 3. Locating the affected cylinder.

6. Remove the cylinder head cover and the seal (Figure 4).



Figure 4. Remove the cylinder head cover and gasket.

7. Inspect the gasket groove in the cylinder head cover and remove any casting residues with a suitable tool (Figure 5). The residues can be removed with a small flat screwdriver (Figure 6).



NOTICE

Make sure not to damage the seal groove!



Figure 5. Before the repair.



Figure 6. After the repair.

8. Install a new seal, re-assemble the camshaft cover, clean the engine compartment, and if necessary, replace the noise insulation (if it is full of oil).

! NOTICE

Do not replace the Audi valvelift system actuator(s) with an O-ring seal when the leak has been determined to be around the area of the injector(s).

Warranty

Claim Type:	<ul style="list-style-type: none"> • If the vehicle is outside any warranty, this Technical Service Bulletin is informational only. 		
Service Number:	<ul style="list-style-type: none"> • 1580 (Leak on injector) • 1551 (Leak on Audi valvelift system actuator) 		
Damage Code:	<ul style="list-style-type: none"> • 0050 (1580 only) • 0010 (1551 only) 		
Labor Operations:	If Leak is in area of cam actuator, Remove and install cam actuator	1583 19XX OR 1551 19XX	See SRT with associated operations
	If leak in area of injector, only use this repair operation, Remove and install camshaft housing	1503 19XX OR 1503 20XX	See SRT with associated operations
	If leak is in area of cam actuator, Cover heat shield, upper noise insulation, clean engine	2612 1999	40 TU

Claim Comment:	As per TSB 2053278/10
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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

Always check with your Parts Department and/or ETKA for the latest information and parts bulletins.		
Part Number	Part Description	Quantity
See ETKA	Fasteners, Bolts, Nuts, and Screws as needed per the Repair Manual	See ETKA/ELSA
06M906048F	Solenoid valve (if applicable)	01
G 12E050S0	Coolant concentrate 1.5L (if applicable)	02

Additional Information

All parts and service references provided in this TSB (**2053278**) are subject to change and/or removal.

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