



Technical Service Bulletin

01 MIL on P045600 Very Small Leak Detected - NVLD

01 24 41 2071199/4 October 4, 2024. Supersedes Technical Service Bulletin Group 01 number 24-12 dated March 11, 2024 for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
A4, A4 allroad, S4, A5, A5 Cabriolet, A5 Sportback, S5, S5 Cabriolet, S5 Sportback, RS 5, and RS 5 Sportback	2021 - 2023	All	Not Applicable
A4, A4 allroad, and S4	2024	000001 – 001222	
A5, A5 Cabriolet, A5 Sportback, S5, S5 Cabriolet, S5 Sportback, RS 5, and RS 5 Sportback	2024	000001 – 000702	

Condition

REVISION HISTORY		
Revision	Date	Purpose
4	-	Revised header (Added VIN breaks)
3	03/11/2024	Revised <i>Service</i> (Added Service TV videos)
2	08/18/2023	Revised <i>Warranty Table</i> (Added labor operations)

Customer states:

- The exhaust emissions warning lamp (MIL) is on.

Workshop findings:

The following DTC is stored:

- DTC P045600 (P0456)** – Very Small Leak Detected” is logged in the event memory.
 - No further relevant entries must be logged.



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- **DTC P045600** – Very Small Leak Detected” has not previously been logged for this vehicle.

Technical Background 1

The smallest contamination may be sufficient to cause an internal leak in fuel tank pressure sender G400 (NVLD); this can lead to the DTC “P045600 – Very Small Leak Detected” being set.

Production Solution

Not applicable.

Service

Ensure that there are no leaks in fuel system; check according to the Guided Fault Finding or the Workshop Manual.

If GFF instructs you to replace fuel tank pressure sender G400 (NVLD), please proceed as follows:

- Please remove fuel tank pressure sender G400 (NVLD) as specified in Workshop Manual.
- Using a compressed air gun, please blow through the NVLD (item 12 in illustration) with several brief pressure applications of approx. 5 bar. To do so, use the opening on the NVLD marked in the illustration by a green arrow (Figure 1).

NOTICE

The opening marked with a red circle (Figure 1) must not be closed or exposed to compressed air, as this may cause irreparable damage to the NVLD. In addition, this ensures that possible contamination can be blown out of the NVLD.

NOTICE

While blowing through the component as described above, please hold it in your hand → the component must not be clamped or secured in a vice due to risk of damage.



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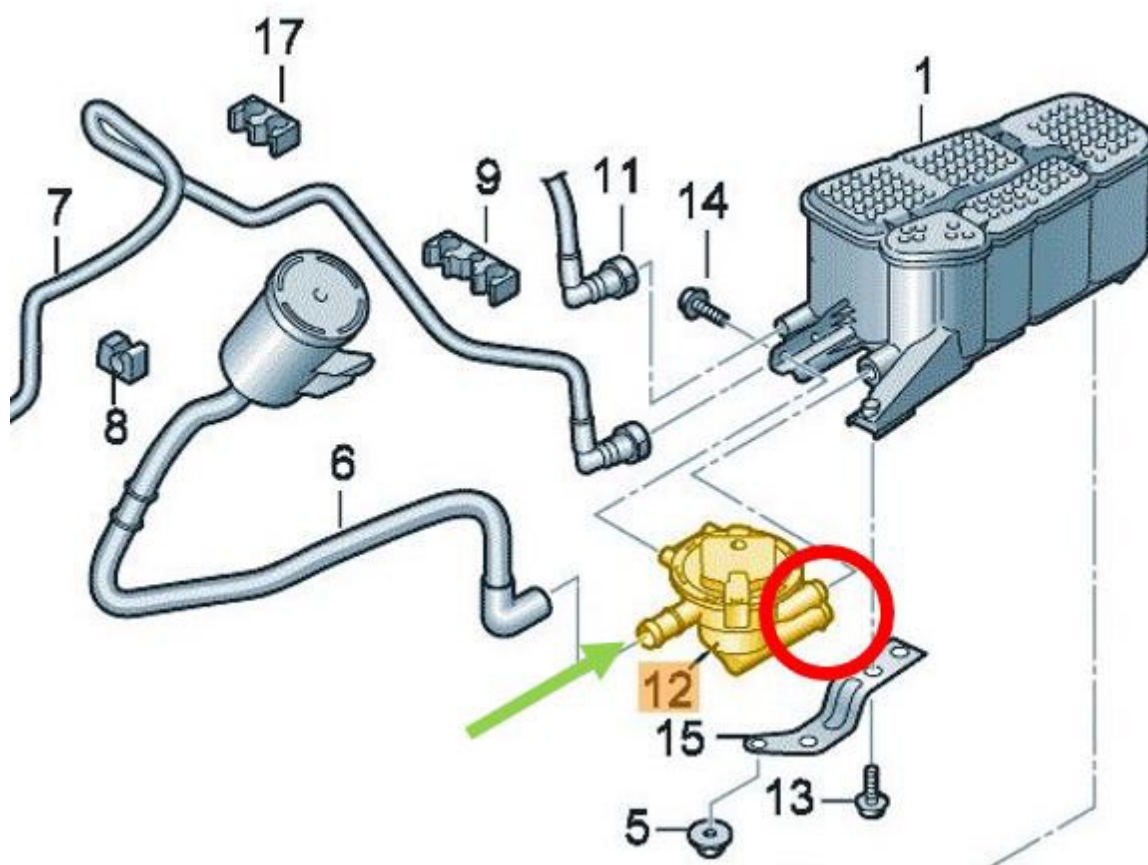


Figure 1: Fuel tank pressure sender G400 (NVLD).

Reinstall the fuel tank pressure sender G400 (NVLD) and recheck the system for leaks.

NOTICE

Please check the following Service TV videos in the Audi Knowledge Tank, as they can be very helpful here.





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Figure 2: Introduction to the flue gas tester.

<https://www.knowledgetank.audi/page/detail/type=stv&key=0f15432f-2228-4dd7-ad01-05e6e997ecd0/>



Figure 3: Testing applications using the flue gas tester.

<https://www.knowledgetank.audi/page/detail/type=stv&key=8c7ec80f-15ec-4ea4-929f-c9f246dbf435/>



Figure 4: Information on the activated charcoal fuel system/fuel tank leak detection (Audi Q5 TFSIe pressure tank).

<https://www.knowledgetank.audi/page/detail/type=stv&key=d315bdf4-e998-4fa5-a4bc-0a39f8bb74e2>

Warranty

Claim Type:	<ul style="list-style-type: none">If the vehicle is outside of any warranty, this Technical Service Bulletin is informational only.
Service Number:	2041
Damage Code:	0050



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Labor Operations:	Check EVAP system for leaks	2010 0199	Bill according to time required
	NVLD pressure switch remove + reinstall	2041 1950	See SRT with associated operations
	Clean out NVLD pressure switch	2041 4999	10 TU
	Charge Battery	2706 8950	See SRT with associated operations
	GFF	0150 0060	Time stated on the diagnostic protocol
Claim Comment:	As per TSB 2071199/4		

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.

Additional Information

All part and service references provided in this TSB (**2071199**) 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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