

Technical Service Bulletin



92 Washer solvent level warning is on

92 23 33 2038151/13 February 6, 2023. Supersedes Technical Service Bulletin Group 92 number 22-30 dated July 14, 2022, for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
All Audi Vehicles	2012 – 2024	All	Not Applicable

Condition

REVISION HISTORY		
Revision	Date	Purpose
13	-	Revised <i>Warranty</i> (Updated Labor Operations)
12	07/14/2022	Revised header (Added MY 2022 - 2024) Revised <i>Warranty</i> (Added Q4 e-tron and Audi e-tron GT)
11	12/20/2019	Revised <i>Required Parts and Tools</i> (Updated quantity)

Customer states:

- The washer solvent level warning is on in the driver information system (DIS), but the washer solvent level is correct.

Workshop findings:

There is no functional restriction in the windshield washer system.

Technical Background

The sensitivity of the washer solvent level sensor (G33) can be affected by the type, concentration, and the presence of additives in the washer solvent currently in the tank. The operation of the level sensor relies on the composition of the solvent to provide an accurate message on the solvent level. Incorrect concentration and the presence of additives can contaminate the sensor and reduce its sensitivity.

Production Solution

Not applicable.

Service

If the washer solvent reservoir is full and the low solvent warning is on, proceed as follows:



1. Empty the reservoir and for all vehicles *except* A3 Sedan, A3 Cabriolet, and Q4 e-tron, remove the level sensor. Clean the sensor probes using all-purpose cleaner **D 009 401 04** (Figure 1) or, as an alternative, isopropyl alcohol. Reinstall the level sensor.



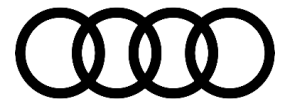
Figure 1. D 009 401 04 all-purpose cleaner.



2. For Audi A3 Sedan, A3 Cabriolet, and Q4 e-tron where the washer solvent level sensor is not removable the sensor probes can be cleaned by removing the reservoir, removing the filler neck from the reservoir, and gaining access to the sensor probes (Figure 2).



Figure 2. Windshield washer level sensor probes as viewed through the tank opening.



3. Saturate the tip of a cleaning brush with a rigid stem and long enough to reach the probes (approximately 10") with all-purpose cleaner **D 009 401 04** or isopropyl alcohol. A hummingbird feeder cleaning brush is shown in the illustration but any suitable cleaning brush with a tip constructed of the appropriate material will function well for this purpose (Figure 3).



*Figure 3. Applying all-purpose cleaner **D 009 401 04** to the tip of a hummingbird feeder cleaning brush. The cleaning brush can alternatively be saturated with isopropyl alcohol.*



4. Thoroughly clean the sensor probes (Figure 4).

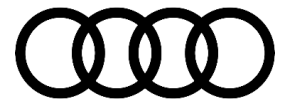


Figure 4. Cleaning the sensor probes.

5. Refill the reservoir with the correct type and concentration of solvent. Windshield washer fluids found in the Audi Top Service Supplies and Touch Up Paint eStore with a 35% pre-mix are suitable for temperatures down to -30 °C (-22° F) and contain no rain repellents. For freeze protection below this temperature range Windshield Washer Fluid Concentrate **ZAW 096 311 B** can be used and mixed according to the table below (Figure 5). This solvent can be adjusted for freeze protection to -32° C (-25° F), prevents washer jet contamination, particularly on the “fan” type of washer jet, and is highly effective in removing residues and insects from the windshield.



Figure 5. ZAW 096 311 B windshield washer fluid concentrate.



Note:

Dealers in states such as California which have a restriction on windshield washer solvent VOC content can use Audi Windshield Washer Fluid – 35% pre-mix – (55 gallon) available from the Audi Top Service Supplies & Touch-Up Paint eStore as an alternative. This solvent contains no water repellents and has freeze protection to -22° F.

- The concentration and freeze point can be checked using the T10007A refractometer (Figure 6).

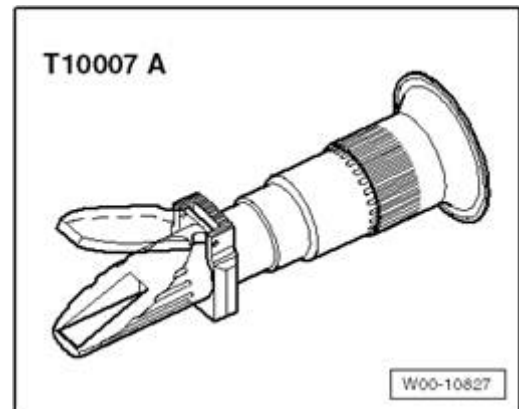


Figure 6. T10007A refractometer.

- Put a drop of washer fluid with the pipette on the glass of the refractometer. When viewing the refractometer, a light-dark border can be clearly recognized. Using the scale to the right (Figure 7), adjust the concentration of the solvent to accommodate the current weather conditions.

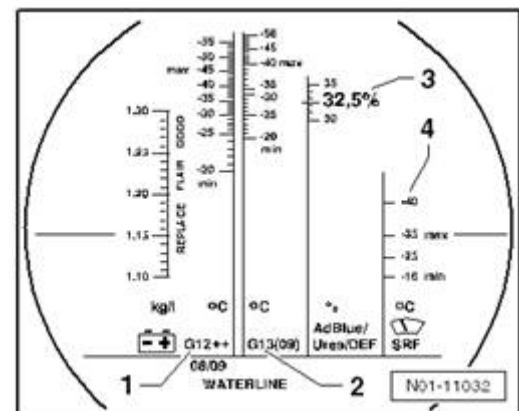
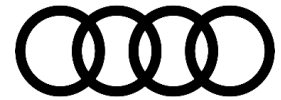


Figure 7. Scale in the view of the T10007A refractometer.

- Concentration guidelines:

Freeze protection	Windshield Washer Fluid Concentrate ZAW 096 311 B	Water
-16 °C (3° F)	1 part	3 parts

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-30 °C (-22° F)	1 part	2 parts
-32 °C (-25° F)	1 part	1.5 parts



Note:

It is not necessary to replace the windshield washer solvent level sensor when the cause of failure is contaminated sensor probes or incorrect washer solvent solution. Warranty claims for replacement of washer solvent level sensors that are found to not be faulty will not be reimbursed.

Warranty

Claim Type:

- 110 up to 48 Months/50,000 Miles.
- G10 for CPO Covered Vehicles – Verify Owner.
- If the vehicle is outside any warranty, this Technical Service Bulletin is informational only.

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9258

Damage Code:

0040

Labor Operations:**Q7 (up to and including MY 2015):**

Lower Windshield washer reservoir remove + reinstall

9260 1900

See SRT

Fluid level sensor remove + reinstall

9258 1950

See SRT

Clean fluid level sensor and adjust solvent concentration

9258 2999

10 TU

Q7 (From MY 2016 on):

Cover (plenum) remove + reinstall

8522 1900

See SRT

Fluid level sensor remove + reinstall

9258 1950

See SRT

Clean fluid level sensor and adjust solvent concentration

9258 2999

10 TU

Q3 (From MY 2015 on):

Front wheel housing liner remove + reinstall

6616 1900

See SRT

Fluid level sensor remove + reinstall

9258 1950

See SRT

Clean fluid level sensor and adjust solvent concentration

9258 2999

10 TU

S3:



	Noise dampening pan remove + reinstall	1082 1900	See SRT
	Fluid level sensor remove + reinstall	9258 1950	See SRT
	Clean fluid level sensor and adjust solvent concentration	9258 2999	10 TU
A3 Sedan, A3 e-tron, and A3 Cabriolet:			
	Front wheel housing liner remove + reinstall	6616 1900	See SRT
	Windshield washer reservoir remove + reinstall	9260 1950	See SRT
	Clean fluid level sensor and adjust solvent concentration	9258 2999	10 TU
TT:			
	Front wheel housing liner remove + reinstall	6616 1900	See SRT
	Windshield washer reservoir remove and reinstall	9260 1950	See SRT (2012 – 2015) See SRT (2016 – 2019)
	Fluid level sensor remove + reinstall, clean fluid level sensor and adjust solvent concentration	9258 2999	20 TU
R8 (up to and including MY 2015):			
	Plenum cover remove + reinstall	8522 1900	See SRT
	Fluid level sensor remove + reinstall	9258 1950	See SRT



	Clean fluid level sensor and adjust solvent concentration	9258 2999	10 TU
R8 (From MY 2017 on):			
	Plenum cover remove + reinstall	8522 1900	See SRT
	Fluid level sensor remove + reinstall	9258 1950	See SRT
	Clean fluid level sensor and adjust solvent concentration	9258 2999	10 TU
A4 (up to and including MY 2016), A4 avant (up to and including MY 2016), allroad (up to and including MY 2016), A5, A5 Cabriolet (up to and including MY 2017), A6, A7, A8 (up to and including MY 2018), Q5 (Model 8R, up to and including MY 2017), Audi e-tron quattro (Model GEN MY 2019 on) and Audi e-tron Sportback (Model GEA MY 2020 on):			
	Fluid level sensor remove + reinstall	9258 1900	See SRT
	Clean fluid level sensor and adjust solvent concentration	9258 2999	10 TU
A4 (MY 2017 on), A4 avant (MY 2017 on), A4 allroad (MY 2017 on), A5, A5 Cabriolet (Model F5, MY 2018 on), and Q5 (Model FY, MY 2018 on):			
	Front wheel housing liner remove and reinstall	6616 1900	See SRT
	Fluid level sensor remove + reinstall	9258 1950	See SRT
	Clean fluid level sensor and adjust solvent concentration	9258 2999	10 TU
A6, A7, and A8 (MY 2019 on):			
	Front wheel housing liner remove and reinstall	6616 1900	See SRT



	Fluid level sensor remove + reinstall	9258 1950	See SRT
	Clean fluid level sensor and adjust solvent concentration	9258 2999	10 TU
Q8 (MY 2019 on):			
	Cowl panel trim remove and reinstall	66 44 19 00	See SRT
	Fluid level sensor remove + reinstall	9258 1950	See SRT
	Clean fluid level sensor and adjust solvent concentration	9258 2999	10 TU
e-tron GT, RS e-tron GT (Model F83):			
	Front cover plate remove and reinstall	5192 1900	See SRT
	Fluid level sensor remove + reinstall	9258 19 50	See SRT
	Clean fluid level sensor and adjust solvent concentration	9258 2999	10 TU
Q4 e-tron:			
	Front bumper cover remove and reinstall	6329 1950	See SRT
	Windshield washer reservoir remove + reinstall	9260 1950	See SRT
	Clean fluid level sensor and adjust solvent concentration	9258 2999	10 TU
	Overhead view camera adjusted (if equipped)	9083 1550	See SRT

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	Radar sensor adjusted (if equipped)	9163 1560	See SRT
Diagnostic Time:	GFF (Q4 e-tron only)	0150 0000	Time stated on the diagnostic protocol (Max 30 TU)
	Road test prior to service procedure	No allowance	0 TU
	Road test after service procedure (Q4 e-tron only)	0121 0004	10 TU
Claim Comment:	As per TSB 2038151/13		



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
ZAW 096 311 B (item number 128429) (Available from the Audi Top Service Supplies & Touch-Up Paint eStore)	Windshield Washer Fluid Concentrate 	Shop Supply

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<p>Item # 121133 / Customer Item # WWFDRUM (Available from the Audi Top Service Supplies & Touch- Up Paint eStore)</p>	<p>Washer solvent alternative for states with VOC restrictions</p> 	<p>Shop Supply</p>
<p>D00940104 or isopropyl alcohol</p>	<p>All-purpose cleaner</p> 	<p>0.1</p>
<p>See ETKA</p>	<p>Fasteners, Bolts, Nuts and Screws as needed per the Repair Manual</p>	<p>See ETKA/ELSA</p>

Tool Number	Tool Description
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T10007A



Refractometer

Additional Information

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