

Condition

Model(s)	Year(s)	VIN Range	Vehicle Specific Equipment
A8	2019 – 2021	All	V8 TFSI
S8	2020 – 2025		

REVISION HISTORY		
Revision	Date	Purpose
2	-	Revised header (Add Model Years, updated control units) Revised <i>Condition</i> (Added model table) Revised <i>Service</i> (Updated SVM table) Revised <i>Warranty</i> (Removed claim types, updated labor operations)
1	12/21/2023	Initial publication

Customer states:

There is a coolant leak.

The red coolant level warning lamp lights up in the instrument cluster.

Workshop findings:

A coolant leak is identified at the return lines to the turbocharger (Figure 1).



Figure 1. Coolant leak at the return lines to the turbocharger.

Technical Background

In some model years, After-Run Coolant Pump (V51) start with a slight delay. This can lead to unintended additional heat at O-rings at the return connected to the turbochargers.

Production Solution

Not applicable.

Service

- Replace the O-rings at the coolant return lines at the Turbocharger (refer to Figures 2 and 3 or SSP **920493**).
- **Please remove and install the coolant return line according to workshop manual (ELSA) and replace O-rings on the coolant at the crankcase side (Figure 3).**

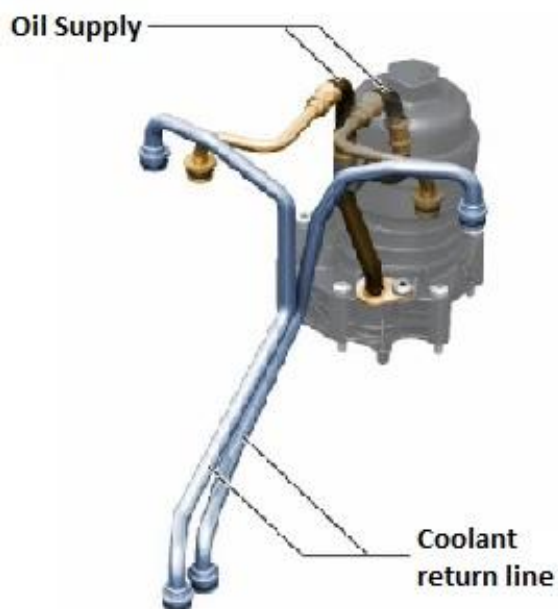


Figure 2: Coolant return lines are marked.



Figure 3: Location of the O-rings.

- Determine if there is a software update available for the vehicle. Please perform any necessary updates using the table below if applicable.
1. Follow all instructions in TSB 2011732: *00 Software Version Management (SVM), operating instructions*.
 2. Update the ECM, -J623- (address word 0001) using the SVM action code as listed in the table below, if necessary:

Model	Old Software Part Number	Old Software Version	New Software Part Number (or higher)	New Software Version (or higher)	SVM Code Input
MY19 A8	4N0906014C	0001	4N0906014C	0002	01A312
MY20 A8	4N0906014A	0004	4N0906014A	0005	
MY21 A8	4N0906014A	0002	4N0906014A	0003	
MY20 S8	4N0907557C	0001	4N0907557C	0002	01A297
MY21 S8	4N0907557G	0001	4N0907557G	0002	
MY23 S8	4N0907557K	0002	4N0907557K	0004	
MY24 and MY25 S8	4N0907557P	0002	4N0907557P	0004	

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:	2135		
Damage Code:	0050		
Labor Operations:	Coolant pipe remove+reinstall	2135 2023	See SRT with associated operations
	GFF (Without update)	0150 0060	Time stated on the diagnostic protocol
	GFF (Software update performed)	0151 0060	Time stated on the diagnostic protocol
	Charge battery	2706 8950	See SRT with associated operations
Claim Comment:	As per TSB 2072473/2		

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.

Please note the information on predecessors and items that are included and excluded in the repair operations, as well as any associated tasks.

Required Parts and Tools

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

Additional Information

The software must be updated on a control unit in this vehicle, or the software must be updated several control units in this vehicle to ensure they function correctly in conjunction with the other control units in the vehicle. Please inform the customer about the software update in question and ask whether they or other third parties have modified the software (e.g. tuning or retrofitting involving the software of the vehicle). Please inform the customer that this software update may neutralize previous modifications to the software of the vehicle performed either by the customer or other third parties.

If the customer declines the software update, please inform them that this could lead to issues or restrictions with the use of the vehicle or individual components.

Make a note to this effect on the order before it is signed by the customer. Include this information in the customer file.

All part and service references provided in this TSB (**2072473**) 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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