



Technical Service Bulletin

19 Red Coolant warning lamp comes on OR Coolant Leak at Turbocharger

19 23 47 2072473/1 December 21, 2023.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
A8	2019 – 2021	All	4.0 L engine
S8	2020 – 2023		

Condition

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



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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 also replace O-rings on the coolant at the crankcase side (Figure 3).**

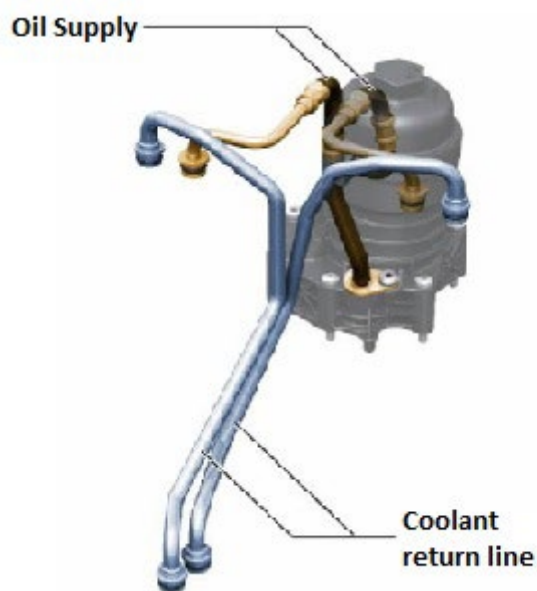


Figure 2: Coolant return lines are marked.



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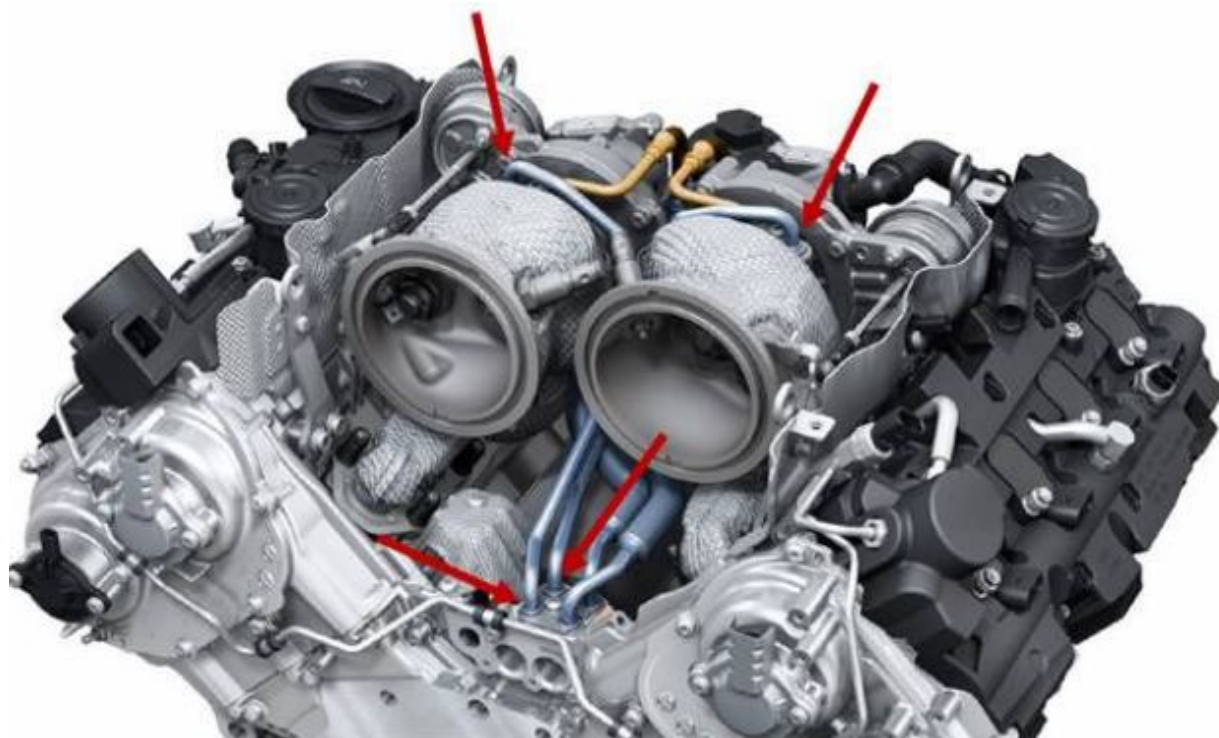


Figure 3: Location of the O-rings.

- 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	
MY20 S8	4N0907557C	0001	4N0907557C	0002	
MY21 S8	4N0907557G	0002	4N0907557G	0003	



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Warranty

Claim Type:	<ul style="list-style-type: none"> • 110 Up to 48 Months/50,000 Miles. • G10 for CPO Covered Vehicles – Verify Owner. • 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
Diagnostic Time:	GFF (Without update)	0150 0060	Time stated on the diagnostic protocol (Max 60TU)
	GFF (Software update performed)	0151 0060	Time stated on the diagnostic protocol (Max 60TU)
	Road test prior to the service procedure	No allowance	0 TU
	Road test after the service procedure	No allowance	0 TU
Claim Comment:	As per TSB 2072473/1		

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

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 (**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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