

Condition

Model(s)	Year(s)	VIN Range	Vehicle Specific Equipment
A8	2019 – 2021	All	4.0 ltr. V8 TFSI
S8, SQ7, and SQ8	2020 – 2024		
RS Q8	2020 2022 – 2023		
RS 6 Avant, and RS 7	2021 – 2024		

REVISION HISTORY

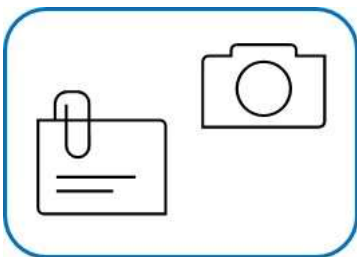
Revision	Date	Purpose
2	-	Revised Warranty Table (Added labor ops)
1	09/09/205	Initial publication

Customer states:

- Exhaust emissions warning lamp on

Workshop findings:

- The event memory entry P0299 (Turbo/Super Charger Underboost) is logged, and the extended ambient conditions show that it was entered during the engine's warm-up phase (coolant temperature below 90°C).



Documentation required

Technical Background

The charge pressure control for the EA825 V8 TFSI turbochargers is electropneumatic.

This means that charge pressure positioners V465 and V546 are electropneumatic pressure converters. Depending on activation (PWM) by the engine control unit, they can induce a calculated negative pressure (characteristic curve).

SSP 676/ SSP 920493 contains more information on the EA825 V8 TFSI engine vacuum system.

Production Solution

Not applicable.

Service

First, please check the vacuum hose between the mechanical coolant pump and the switch valve for mechanical coolant pump (N649) for damage and leaks.

When performing the check, please note that the switch valve for mechanical coolant pump (N649) is closed when not activated and therefore does not supply vacuum to the mechanical pump.

If you discover damage or a leak, please replace the vacuum hose.

If you do not find any damage or a leak, please continue with Guided Fault Finding.

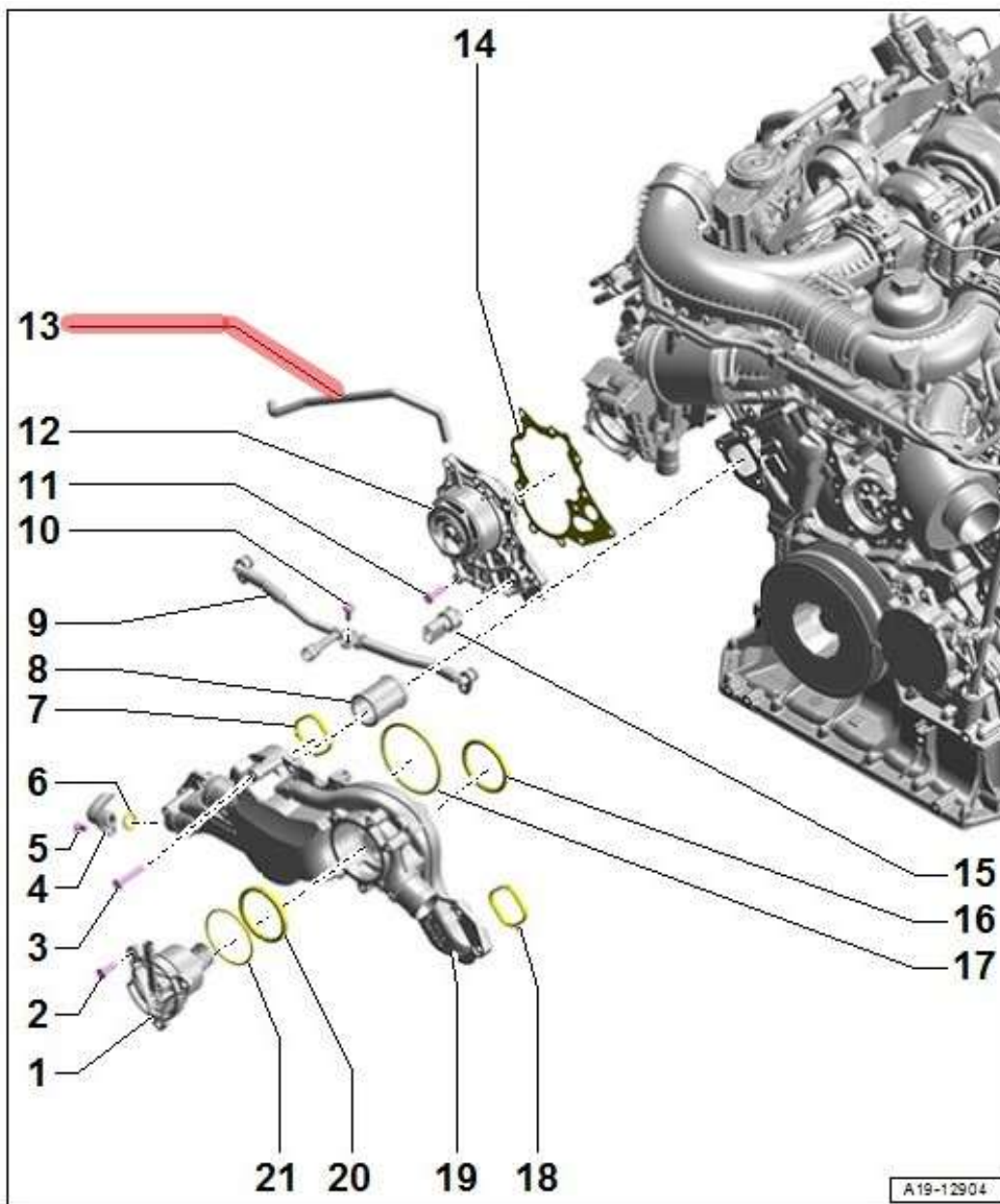


Figure 1. Assembly overview; coolant pump/thermostat including switchable mechanical coolant pump in position 12, vacuum hose between mechanical coolant pump and switch valve for mechanical coolant pump (N649) in position 13.

When billing, please always attach photos that clearly show the complaint to DOC-IT. To ensure a reference to the vehicle, the image/video must:

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

If appropriate, please mark the location of the problem so that parts analysis has a clear reference to the complaint. Please ensure that the photo documentation does not show any people and/or face, license plates, or customer data.

Warranty

Claim Type:	• If the vehicle is outside of any warranty, this Technical Service Bulletin is informational only.		
Service Number:	2483		
Damage Code:	0010		
Labor Operations:	Remove and install cover (A7, A6, A8)	1083 19XX	Time stated on the diagnostic protocol
	Remove and air filter (Q7, Q8)	2524 19XX	Time stated on the diagnostic protocol
	Check vacuum line	2483 0199	10 TU
	GFF	0150 0060	Time stated on the diagnostic protocol
Claim Comment:	As per TSB 2079209/2		

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.

Additional Information

All part and service references provided in this TSB (**2079209**) 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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