



Technical Service Bulletin

19 Red coolant warning lamp on, DTCs P218100, P017B00, P017C00, and/or P017E00 are stored in the ECM

19 23 41 2062951/3 September 7, 2023. Supersedes Technical Service Bulletin Group 19 number 22-32 dated October 21, 2022, for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
A8, and S8	2019 – 2020	All	Not Applicable
	2021	000001 – 007769	
SQ7	2020	All	
	2021	000001 – 015609	
SQ8	2020	All	
	2021	000001 – 010457	
RS Q8	2020	All	
	2021	000001 – 011352	
RS 6 Avant, and RS 7	2021	900001 - 901935	

Condition

REVISION HISTORY		
Revision	Date	Purpose
3	-	Revised <i>Condition</i> (Updated workshop findings)
2	10/21/2022	Revised <i>Warranty</i> (Updated Labor Ops)
1	05/03/2021	Initial publication

Customer states:

- Red coolant warning lamp is illuminated in the instrument cluster.

Workshop findings:

One or more of the following DTCs **must** be stored in the engine control module (ECM), J623 (address word 0001):

- DTC P218100** (Malfunction in cooling system).
- DTC P017B00** (Cylinder head temperature sensor implausible signal).
- DTC P017C00** (Cylinder head temperature sensor short circuit to ground).



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- **DTC P017E00** (Cylinder head temperature sensor open circuit/loose contact).



Note: If DTCs **P1BB400** or **P218100** are also stored in the ECM, please also review TSB 2069248 to determine the appropriate action.

Technical Background

Damage to the O-ring of the temperature sensor can cause water intrusion inside the plastic housing of the coolant temperature sender G407 (cylinder head temperature sensor). The moisture can damage the sensor element. The loss of function can be sporadic.

Production Solution

Improved part in production.

Service

1. Work through Guided Fault Finding.
2. It is **very important** to also check whether the o-ring located directly on the tip of the coolant temperature sender G407 is visibly damaged and/or pinched (Figure 1).



Figure 1. O-ring is pinched.



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3. Replace the G407 if the o-ring is damaged and/or pinched.

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.		
Service Number:	1978		
Damage Code:	0040		
Labor Operations:	Remove and install temperature sender	1978 19XX	See SRT with associated operations
Diagnostic Time:	GFF	0150 0000	Time stated on the diagnostic protocol (Max 20 TU)
	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 2062951/3		

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
See ETKA	Fasteners, Bolts, Nuts, and Screws as needed per the Repair Manual	See ETKA/ELSA
See ETKA	Coolant temperature sender G407	01

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

All parts and service references provided in this TSB (**2062951**) are subject to change and/or removal.

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