



Technical Service Bulletin

19 Red Coolant warning lamp comes on OR MIL on, DTC P218100 and/or P1BB400

19 23 40 2069248/3 August 10, 2023. Supersedes Technical Service Bulletin Group 19 number 23-38 dated May 10, 2023, for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
A8 4.0L	2019 – 2021	All	Not Applicable
S8	2020 – 2021		
SQ7, SQ8, and RS Q8	2020 – 2022		
RS 6 Avant, and RS 7	2021 – 2022		

Condition

REVISION HISTORY		
Revision	Date	Purpose
3	-	Revised <i>Service</i> (Updated service instructions)
2	5/10/2023	Revised <i>Service</i> (Updated service instructions)
1	01/26/2023	Initial publication

Customer states:

- The red coolant temperature warning is displayed in the instrument cluster and the engine fans are running. However, according to the coolant temperature gauge, the engine temperature is not excessively high.

Or

- MIL on.

Workshop findings:

The following DTCs are stored in the Engine Control Module, -J623- (address word 0001):

- DTC P218100:** Cooling System Performance. **(Must be stored.)**
- DTC P1BB400:** Cylinder head temperature too low. **(May also be present.)**

Technical Background

In some instances, corrosion between the brass bushing and the heating pin leads to inaccurate open and close positions during the operating temperature range. The surface treatment process of the thermostat sleeve has been improved to minimize corrosion.



Technical Service Bulletin

Production Solution

Replacing the Map Controlled Engine Cooling Thermostat F265 will correct this. Some models will have optimized software in the Engine Control Module, -J623- (address word 0001), please see the service section for additional details.

Service

Replace Map Controlled Engine Cooling Thermostat F265.

Please also check that the ball-type non-return valves in the two quick-release couplings for the coolant breather line which connects the engine and the main radiator to the coolant expansion tank are present and are working correctly. To ensure correct functioning, the balls must be able to move freely and the valves must open in the normal direction of flow toward the expansion tank but close toward the engine/main radiator (refer to “Connection diagram – coolant lines” in ELSA).

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 any warranty, this Technical Service Bulletin is informational only		
Service Number:	1958		
Damage Code:	0010		
	Thermostat remove + reinstall	1958 1973	See SRT with associated operations.
	Check non-return valves	19 86 20 99	20 TU
Diagnostic Time:	GFF	0150 0000	Time stated on the diagnostic protocol (Max 15 TU)
	Road test prior to the service procedure	No allowance	0 TU
	Road test after the service procedure	0121 0004	10 TU
Claim Comment:	As per TSB 2069248/3		



Technical Service Bulletin

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 (**2069248**) 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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