

Technical Service Bulletin



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

19 23 34 2069248/1 January 26, 2023.

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

Condition

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 may be stored in the Engine Control Module, -J623- (address word 0001):

- DTC P218100:** Cooling System Performance
- DTC P1BB400:** Cylinder head temperature too low

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.

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

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1. Replace Map Controlled Engine Cooling Thermostat F265.
2. Update the Engine Control Module, -J623- (address word 0001) using the SVM action code as listed in the table below, if necessary:

SVM Update Instructions

Follow all instructions in TSB 2011732: 00 Software Version Management (SVM), operating instructions.

Model	Old Target Data Container Number	Old Target Data Container Version	New Target Data Container Number (or higher)	New Target Data Container Version (or higher)	SVM Code Input
MY 2021 RS6/RS7	4K0907557F	0002	4K0907557F	0002	01A297
MY 2022 RS6/RS7	4K0907557G	0001	4K0907557G	0002	

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:	1958		
Damage Code:	0010		
Labor Operations:	Software Update (Includes checking for DTCs)	0151 0000	Time stated on the diagnostic protocol (Max 50 TU)
	Thermostat remove + reinstall	1958 1973	See SRT with associated operations.
Diagnostic Time:	GFF	0150 0000	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 2069248/1		



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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