

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

19 23 38 2069248/2 May 10, 2023. Supersedes Technical Service Bulletin Group 19 number 23-34 dated January 26, 2023, for reasons listed below.

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

# Condition

REVISION HISTORY			
Revision	Date	Purpose	
2	-	Revised Service (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 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**

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# **Technical Service Bulletin**



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

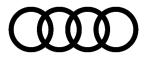
Claim Type:	<ul> <li>110 up to 48 Months/50,000 Miles.</li> <li>G10 for CPO Covered Vehicles – Verify Owner.</li> <li>If the vehicle is outside any warranty, this Technical Service Bulletin is informational only</li> </ul>				
Service Number:	1958				
Damage Code:	0010				
	Thermostat remove + reinstall	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 2069248/2				

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.

## **Required Parts and Tools**

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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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