



Technical Service Bulletin

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

19 24 71 2075878/1 November 7, 2024.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
RS 6, and RS 7	2021	All	Not Applicable
	2022	900000 – 901308	
A8	2019 – 2020	All	
	2021	000001 – 029516	
S8	2020	All	
	2021	000001 – 027585	
SQ7, and SQ8	2020 – 2021	All	
	2022	000000 - 005381	
RS Q8	2020 – 2021	All	
	2022	000000 - 005017	

Condition

Customer states:

- Exhaust emissions warning lamp on

Workshop findings:

The following DTC **must** be logged in the Engine Control Module, -J623- (address word 0001):

- DTC P218100:** Cooling System Performance.

Additionally, the following DTC may be logged in the Engine Control Module, -J623- (address word 0001):

- DTC P1BB400:** Cylinder head temperature too low.

Technical Background 1

The diagnosis for event memory entry P2181 checks the engine's warm-up function.



Technical Service Bulletin

If a deviation is found in this diagnosis and the event memory entry P2181 is logged in the engine control unit, the red coolant temperature warning may come on (along with the fans) without good reason under certain circumstances due to a software issue.

A functional issue on map-controlled engine cooling system thermostat F265 can lead to the event memory entry P2181 being logged in the engine control unit.

Production Solution

- Map-controlled engine cooling system thermostat F265 optimization dates, MM/DD/YYYY format:

Model	Introduced starting with vehicle identification number	Vehicle production date
A8	WAU8EAF88MN029517	11/03/2021
RS 6 + RS 7	WUAZZZF29NN901309	11/09/2021
S8	WAUZZZF87MN027586	09/29/2021
RS Q8	WU1ARBF18ND005018	01/21/2022
SQ7 + SQ8	WA1AWBF17ND005382	02/25/2022

Service

Replace map-controlled engine cooling system thermostat F265.

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 towards the expansion tank but close towards the engine/main radiator (refer to “Connection diagram – coolant lines” in ELSA).

Warranty

Claim Type:	<ul style="list-style-type: none"> If the vehicle is outside of any warranty, this Technical Service Bulletin is informational only. 		
Service Number:	1958		
Damage Code:	0010		
Labor Operations:	Remove and install thermostat F265	1958 1973	See SRT with associated operations



Technical Service Bulletin

	Check non-return valves	1986 2099	20 TU
	GFF	0150 0060	Time stated on the diagnostic protocol
Claim Comment:	As per TSB 2075878/1		

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 (**2075878**) 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.

©2024 Audi of America, Inc. All rights reserved. The information contained in this document is based on the latest information available at the time of printing and is subject to the copyright and other intellectual property rights of Audi of America, Inc., its affiliated companies, and its licensors. All rights are reserved to make changes at any time without notice. No part of this document may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, nor may these materials be modified or reposted to other sites, without the prior expressed written permission of the publisher.