



Technical Service Bulletin

19 Thermostat, electric fault (DTC P0599, P0597, P2181)

19 17 86 2042328/3 May 22, 2017. Supersedes Technical Service Bulletin Group 19 number 16-68 dated March 9, 2016 for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
S5	2008 - 2012	All	4.2 FSI
RS5	2013 - 2015	All	4.2 FSI
A8	2011 - 2012	All	4.2 FSI

Condition

REVISION HISTORY		
Revision	Date	Purpose
3	-	Revised <i>Warranty</i> (Updated Service Number, Labor Operations, and Claim Type)
2	03/10/2016	Revised <i>Warranty</i> (Changed Damage Code; added GFF time)
1	10/29/2015	Initial publication

One or more of the following conditions is present:

- The red coolant light is illuminated (Figure 1), indicating that the coolant temperature is too high or that the coolant level is too low.
- The engine speed governing light is illuminated (Figure 1) with the message “Engine speed maximum XXXX rpm”. To prevent the engine from overheating, the engine speed is automatically limited to the displayed maximum.
- One of the following DTCs is stored in the engine control module (ECM), J623 (address word 0001):
 - **DTC P059700** (Thermostat for map-controlled engine cooling F265, circuit open)
 - **DTC P059900** (Thermostat for map-controlled engine cooling F265, short circuit to positive)
 - **DTC P218100** (Fault in cooling system)



Figure 1. Engine speed governing light (left) and red coolant light (right).



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Technical Background

Tolerances of opening spring in thermostat cause the condition.

Production Solution

Modified coolant thermostat housing.

Service

If one of the DTCs listed in the *Condition* is stored, replace the coolant thermostat housing for map-controlled engine cooling (Figure 2).

It is not necessary to replace the complete coolant pump.



Figure 2. Coolant thermostat housing for map-controlled engine cooling.

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 vehicle is outside any warranty, this Technical Service Bulletin is informational only.		
Service Number:	1958		
Damage Code:	0010		
Labor Operations:	Thermostat housing remove + reinstall (Includes all operations)	1958 1919 (For S5) 1958 1921 (For RS5) 1958 1919 (For A8)	160 TU (For S5) 190 TU (For RS5) 190 TU (For A8)



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Diagnostic Time:	GFF – check and clear faults codes	0150 0000	10 TU
	Road test prior to service procedure	No allowance	0 TU
	Road test after service procedure	0121 0004	10 TU
	Technical diagnosis at dealer's discretion (Refer to Section 2.2.1.2 and Audi Warranty Online for DADP allowance details)		
Claim Comment:	As per TSB #2042328/3		

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

Part Number	Part Description	Quantity
079121115BB	Map controlled engine cooling thermostat F265	1
G 013A8J1G	Coolant additive	1
Outside material	Distilled water (obtain locally)	As needed (Max \$10.00)

Tool Number	Tool Description
VAS 6096	Cooling system charge unit
VAS 6208	Drip tray
T10007A	Refractometer

Additional Information

All parts and service references provided in this TSB (2042328) are subject to change and/or removal. Always check with your Parts Department and service manuals for the latest information.

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