

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

19 15 63 2042328/1 October 29, 2015.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
S5	2008 - 2012	All	4.2 FSI
RS 5	2013 - 2015	All	4.2 FSI
A8	2011 - 2012	All	4.2 FSI

Condition

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 01):
 - **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).

Technical Background

Tolerances of opening spring in thermostat cause the condition

Production Solution

Modified coolant thermostat housing.

Technical Service Bulletin



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.

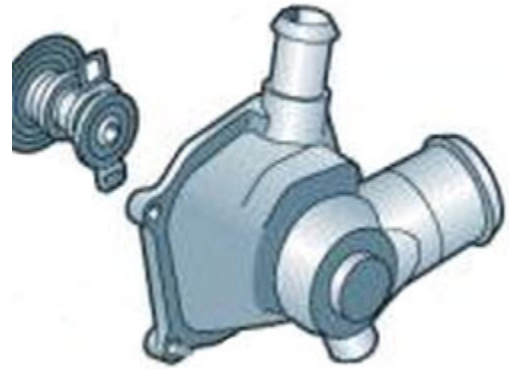


Figure 2. Coolant thermostat housing for map-controlled engine cooling.

Warranty

Claim Type:	Use applicable claim type. If vehicle is outside any warranty, this Technical Service Bulletin is informational only.		
Service Number:	1955		
Damage Code:	0040		
Labor Operations:	Thermostat housing remove+reinstall (Includes all operations)	1955 1919 (For S5) 1955 1921 (For RS 5) 1955 1919 (For A8)	160 TU (For S5) 190 TU (For RS 5) 190 TU (For A8)
Diagnostic Time:	GFF	No allowance	0 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 #2042328/1		

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.

Technical Service Bulletin



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.