



# Technical Service Bulletin

## 01 MIL on (DTC P2181, P0597, or P0599 Cooling system performance)

01 17 46 2038045/5 November 21, 2017. Supersedes Technical Service Bulletin Group 01 number 17-18 dated June 7, 2017 for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
S6, S7, RS 7, S8, and A8	2013 - 2015	All	4.0 TFSI

## Condition

REVISION HISTORY		
Revision	Date	Purpose
5	-	Revised <i>Required Parts and Tools</i> (Updated quantity)
4	06/07/2017	Revised <i>Warranty</i> (Updated Labor Operations and Claim Types)
3	06/24/2016	Revised header data (Added model years; added DTCs) Revised <i>Condition</i> (Added DTCs) Revised <i>Service</i> (Completely revised) Revised <i>Warranty</i> (Updated Labor Operations)

### Customer Statement:

- MIL on.

### Workshop Findings:

One or more of the following DTC(s) is stored in the engine control module (ECM), J623 (address word 0001):

- **DTC P218100** (Cooling System Performance)
- **DTC P059700** (Thermostat heater control circuit open)
- **DTC P059900** (Thermostat heater control circuit high)



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## Technical Background

DTC P218100 will be stored if, after a specified air flow (warm-up phase), the measured engine temperature does not reach the value in the timing map. Particles in the cooling system from the production process affect the closing of the coolant thermostat.



**Note:**

Replacing the coolant temperature sender does not fix the problem.

## Production Solution

Optimized coolant thermostat.

## Service

1. Replace the coolant thermostat F265 with part number **079121115BD**.
2. Fill the new coolant additive in the cooling system according to manufacturer guidelines. Observe the mixture ratio and filling-up procedure.



**Note:**

Only mix distilled water with coolant additives. Distilled water provides optimum corrosion protection.



**Note:**

The filling procedure outlined in Elsa must be followed. It is important that the vacuum-down, filling, and bleeding processes for the specific vehicle being repaired are used.



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## Warranty

<b>Claim Type:</b>	<ul style="list-style-type: none"><li>• 110 up to 48 Months/50,000 Miles.</li><li>• G10 for CPO Covered Vehicles – Verify Owner.</li><li>• If vehicle is outside any warranty, this Technical Service Bulletin is informational only.</li></ul>		
<b>Service Number:</b>	1958		
<b>Damage Code:</b>	0016		
<b>Labor Operations:</b>	Thermostat remove + reinstall (S6 and S7)	1958 1921	200 TU
	Thermostat remove + reinstall (A8 and S8)	1958 1921	220 TU
	Thermostat remove + reinstall (RS 7)	1958 1923	240 TU
<b>Diagnostic Time:</b>	GFF – Checking and clearing fault codes included in existing labor operations	0150 0000	10 TU
	Road test prior to service procedure	No allowance	0 TU
	Road test after service procedure	0121 0004	10 TU
<b>Claim Comment:</b>	As per TSB # 2038045/5		

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
079121115BD	Map controlled engine cooling thermostat F265	1
G 013A8J1G	Coolant additive	1
Outside material	Distilled water (obtain locally)	Shop supply



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Tool Number	Tool Description
VAS 6096	Cooling System Charge Unit
VAG 1974/8	Adapter
VAG 1978/10	Adapter
VAS 6208	Drip tray
T10007A	Refractometer

## Additional Information

All parts and service references provided in this TSB (2038045) are subject to change and/or removal. Always check with your Parts Department and service manuals for the latest information.

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