

Technical Service Bulletin



01 MIL on (DTC P2181 - Cooling system performance)

01 15 22 2038045/2 May 13, 2015. Supersedes Technical Service Bulletin Group 01 number 14-88 dated August 15, 2014 for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
S6, S7, RS 7, A8, S8	2013 - 2014	All	4.0T

Condition

REVISION HISTORY		
Revision	Date	Purpose
2	-	Revised <i>Required Parts and Tools</i> (Corrected part number and updated quantity)
1	8/15/14	Initial publication

- MIL on.
- **DTC P218100** (Cooling System Performance) is stored in the engine control module (ECM), J623 (address word 01).

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. Flush out the cooling system (doing so will help prevent repeat repairs):
 - First, drain the complete coolant system according to the repair manual, including removal of the coolant thermostat housing.

Technical Service Bulletin



- Next, fit the old coolant thermostat housing and fill the cooling system with the correct coolant mixture, as listed in the repair manual.
 - Next, warm up the engine at idle speed. When the big coolant circuit is open, put the heating on maximum. Run the engine for an additional 10 minutes at idle.
 - Finally, drain the complete coolant system according to the repair manual, again.
2. Replace the coolant thermostat F265 with part number **079121115BD**.
 3. 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.

Warranty

Claim Type:	Use applicable claim type. If vehicle is outside any warranty, this Technical Service Bulletin is informational only.		
Service Number:	1958		
Damage Code:	0016		
Labor Operations:	Coolant drain + fill (S8, A8)	1938 1700	160 TU
	Coolant drain + fill (S6, S7, RS 7)	1938 1721	160 TU
	Thermostat remove + reinstall (S6, S7, S8, A8)	1958 1999	300 TU
	Thermostat remove + reinstall (RS 7)	1958 1999	330 TU
Diagnostic Time:	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
	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 # 2038045/2		

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.

Technical Service Bulletin



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)	As needed (Max \$10.00)

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.