



Technical Service Bulletin

01 MIL on (DTC P2181 - Cooling system performance)

01 17 45 2036114/4 November 20, 2017. Supersedes Technical Service Bulletin Group 01 number 17-16 dated May 18, 2017 for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
R8	2014	All	4.2 FSI and 5.2 FSI

Condition

REVISION HISTORY		
Revision	Date	Purpose
4	-	Revised <i>Required Parts and Tools</i> (Updated quantity) Revised <i>Warranty</i> (Updated Diagnostic Time)
3	05/18/2017	Revised <i>Required Parts and Tools</i> (Added part number) Revised <i>Warranty</i> (Updated Labor Operations and Claim Types)
2	07/10/2014	Revised <i>Required Parts and Tools</i> (Added coolant part number)

- MIL on.

The following DTC is stored in the engine control module (ECM), J623 (address word 0001):

- **DTC P218100** (Cooling System Performance)

Technical Background

If the measured engine temperature does not reach the value in the timing map after a specified air flow, DTC P218100 will be stored.

Production Solution

Improved process at supplier.



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Service

1. Replace the coolant thermostat F265.
2. Fill the cooling system with coolant additive according to manufacturer guidelines. Use only distilled water for mixing coolant.
3. Follow all instructions in TSB 2025303: *Identifying and mixing factory fill engine coolants*.

Warranty

Claim Type:	• 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:	0016		
Labor Operations:	Thermostat remove + reinstall (For 8 cyl. CNDA engine)	1958 1969	10 TU
	Thermostat housing	1955 1919	220 TU
	Thermostat remove + reinstall (For 10 cyl. CTPA and CTYA engines)	1958 1973	10 TU
	Thermostat housing	1955 1923	220 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
Claim Comment:	As per TSB #2036114/4		

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.



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Required Parts and Tools

Part Number	Part Description	Quantity
Outside material	Distilled water (obtain locally)	Shop supply
G A13A8JM1	Coolant additive	3
079 121 119 C	O-ring	1
079121115AT	Map controlled engine cooling thermostat F265	1

Additional Information

The following Technical Service Bulletin(s) will be necessary to complete this procedure:

- TSB 2025303, *Identifying and mixing factory fill engine coolants.*

All parts and service references provided in this TSB (2036114) are subject to change and/or removal. Always check with your Parts Department and service manuals for the latest information.

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