

Technical Service Bulletin

Topic	19 Engine temperature too high 4-cyl. 2.0 TFSI; P00B700, P011600; P268100
Market area	United States 444 Volkswagen of America, Inc. (6444)
Brand	Audi
Transaction No.	2077593/2
Level	EH
Status	Released for publishing
Release date	May 29, 2025

Diagnostic trouble codes

Diagnostic address	Diagnostic trouble code	Fault symptom	Storage state
0001 - Engine electronics	P011600: Engine Coolant Temperature Sensor 1 Circuit Range/Performance		Intermittent
0001 - Engine electronics	P268100: Engine Coolant Bypass Valve Control Circuit/Open		Intermittent
0001 - Engine electronics	P00B700: Engine Coolant Flow Low/Performance		Intermittent

New customer code

Object of complaint	Complaint type	Position
information, navigation, communication, entertainment -> warning display symbols -> low coolant\coolant temperature warning display	functionality -> activates	

New workshop code

Object of complaint	Complaint type	Position
engine -> cooling system -> coolant thermostat	functionality -> no function	

Vehicle data

EA888 EVO4

Sales types

Type	MY	Brand	Designation	Engine code	Gearbox code	Final drive code
8Y*	2022	A		*	*	*
8Y*	2023	A		*	*	*
8Y*	2024	A		*	*	*
FY*	2018	A		*	*	*
FY*	2019	A		*	*	*
FY*	2020	A		*	*	*
FY*	2021	A		*	*	*

Type	MY	Brand	Designation	Engine code	Gearbox code	Final drive code
FY*	2022	A		*	*	*
FY*	2023	A		*	*	*
FY*	2024	A		*	*	*
FY*	2025	A		*	*	*

Control units

Diagnostic address	Software part number	Software version	Hardware part number	Hardware version
0001 - Engine electronics	*80A*.906.259.M*	0001	*	*
0001 - Engine electronics	*80A*.906.259.M*	0002	*	*
0001 - Engine electronics	*80A*.906.259.M*	0003	*	*
0001 - Engine electronics	*80A*.906.259.M*	0004	*	*
0001 - Engine electronics	*80A*.906.259.M*	0005	*	*
0001 - Engine electronics	8Y0.906.259.J	0001	*	*
0001 - Engine electronics	8Y0.906.259.J	0002	*	*
0001 - Engine electronics	8Y0.906.259.J	0003	*	*
0001 - Engine electronics	8Y0.906.259.J	0004	*	*

Documents

Document name
master.xml

Condition

REVISION HISTORY		
Revision	Date	Purpose
2	-	Revised title (Updated for clarity)
1	04/14/2025	Initial publication

Customer states:

- The coolant level warning lamp lights up.

Workshop findings:

One of more of the following DTC or DTCs and symptom code(s) are stored in *the engine control module -J623-*, (address word 0001):

- **DTC P00B700:** Engine Coolant Flow Low/Performance.
- **DTC P011600:** Engine Coolant Temperature Sensor 1 Circuit Range/Performance.
- **DTC P268100:** Coolant bypass valve control - Open circuit.

Technical Background

The software for the engine control module, J623 (address word 0001) needs to be updated.

Production Solution

Not applicable.

Service

Applies to vehicles with high-voltage components:



To prevent charging of the high-voltage battery during the software update, the high-voltage cable is to be removed BEFORE entry of the SVM code on vehicles with high-voltage components.

Charging the high-voltage battery during a software update can damage the high-voltage components.



Always use DoIP when flashing a control module via ODIS in supported vehicles.

To Activate DoIP, select Administration>>General>>GFF Process>>DoIP communication>>Only allow DoIP communication.

This setting will automatically reset when the diagnostic session has ended. You can tell if DoIP is active by observing a red LED on the VAS 6154(A).

Follow all instructions in TSB 2011732: *00 Software Version Management (SVM), operating instructions*.

Update the engine control module (J623) using the SVM action code as listed in the table below, if necessary:

Model Code	Diagnostic Address	Old Software Part Number	Old Software Version (or lower)	New Software Part Number(or higher)	New Software Version(or higher)	SVM Code Input
FY*	0001	80A 906 259 M	0005	80A 906 259 M	0006	01A267
8Y*		8Y0 906 259 J	0004	8Y0 906 259 J	0005	

The engine control unit software must be updated on this vehicle. Inform the customer about the software update and ask them whether the engine control unit has been altered by chip tuning. Explain to the customer that updating the engine control unit software renders the chip tuning ineffective. In certain circumstances, the engine control unit may even be damaged by the software update. Ask the customer to clarify with the tuning company in advance whether a software update is possible. Damage to the engine control unit resulting from chip tuning cannot be billed under warranty. Please refer the customer to the Warranty and Maintenance booklet to learn more about how chip tuning can impact warranty coverage. Explain to the customer that neither Audi of America nor your company can be held responsible for damage caused by the software update or for damage that occurs as the result of not having the update performed. Make a note about this effect on the order before it is signed by the customer. Include this information in the customer file.

Warranty

Claim Type:	If the vehicle is outside of any warranty, this Technical Service Bulletin is informational only.		
Service Number:	1958		
Damage Code:	0017		
Labor Operations:	Software update	0151 0010	See SRT with associated operations
	Software update	0151 0060	Time stated on the diagnostic protocol
Claim Comment:	As per TSB 2077593/2		

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.

Additional Information

All part and service references provided in this TSB (**2077593**) are subject to change and/or removal. Always check with your Parts Department and/or ETKA for the latest information and parts bulletins. Please check the Repair Manual for fasteners, bolts, nuts, and screws that require replacement during the repair.

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