

M17x with CEL for P012800 in the ME Control Unit: "The Coolant Temperature is Below the Specified Temperature"

Topic number	LI20.10-P-072886
Version	19
Function group	20.10 - Coolant pump, coolant thermostat
Date	2/11/26
Validity	M176 M177 M178 Engines
Reason for change	Added step

Complaint

CEL on with Code P012800 "The Coolant Temperature is Below the Specified Temperature"

Cause

Under investigation.

This is not an issue that affects drivability or performance and is not a safety concern. The vehicle remains safe to operate with this code, but the measures listed in the "Remedy" section are recommended.

Remedy

1. Use VMI to check for Emission Extended Warranty – Engine Thermostat (incl. software update) MY19-23, Various Models and Platforms (167, 190, 205, 213, 217, 222, 223, 232, 253, 290, 463)
2. If the vehicle is covered under the Emission Extended Warranty, Please perform steps outlined in the NCU for repairs.
3. If vehicle does not fall into the covered area of the Extended Warranty please check for Software updates to the ME control unit and then proceed with "[Remedy Instructions](#)" in attachments.

Due to formatting issues please see "remedy instructions" in attachments

Attachments	
File	Description
LI20.10-P-072886 Remedy Instructions v2.docx	

WIS-References		
Document number	Title	Note
AR20.00-P-1142-04A	Pour in coolant and bleed coolant system	none

Disclaimer

NOTE: The information contained in this document is intended for use by trained, professional technicians with the knowledge to properly and safely perform diagnosis and repairs on Mercedes-Benz vehicles, using Mercedes-Benz

approved tools and equipment. It informs service technicians about conditions that could occur in certain vehicles and provides information that could assist in proper vehicle diagnosis, service, or repair. It does not indicate that a defect is present in any vehicle referenced in this document nor does it imply warranty coverage. DO NOT assume that a symptom or condition, or a described cause of a symptom or condition, affects any particular vehicle or groups of vehicles, or that a described repair applies to any particular vehicle or groups of vehicles. There can be multiple causes resulting in the same or similar symptoms or conditions described in this document, and trained professional service technicians must use their diagnostic skills to make evaluations on a case-by-case basis. The information contained in this document does not guarantee warranty coverage nor does it extend the vehicle's warranty in any way.

Symptoms

Power generation > Engine management > Indicator lamp > Engine diagnosis > lit

Parts

Part number	ES1	ES2	Designation	Quantity	Note	EPC
A1772007901			Thermostat	1	M177LS2, M177LSE	X
A1772008801			THERMOSTAT	1	M176, M177LS1, M178	X

Operation numbers/damage codes

Op. no.	Operation text	Time	Damage code	Note
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