

All Vehicles Equipped with M139: CEL for P012800 - The coolant temperature is below the coolant thermostat specified temperature.

Topic number	LI20.10-P-076206
Version	29
Function group	20.10 - Coolant pump, coolant thermostat
Date	5/8/25
Validity	All vehicles with any version of M139 engine
Reason for change	PN

Complaint

Customer states that the CEL is lit in the instrument cluster

Cause

Debris in the coolant system

Remedy

An updated thermostat must be installed. A TIPS case must be created to order the part.

Order the correct thermostat part number for your application:

CLA45/GLA45: A 139200 66 02

All other M139 equipped vehicles: A 139 200 64 02

New screws must also be ordered and installed with the revised thermostat, PN N000000006341 (qty 2) will be used in place of the existing M8 screws. on the face of the thermostat.

The new screws must be torqued to 8 Nm.

Follow the instructions in WIS for removal and installation with the exception of the thermostat screw torque value mentioned previously.

After replacement, fill and bleed the coolant system per the instructions in WIS for the model that is being worked on.

QC the car on a test drive. If the complaint is remedied, release the vehicle.

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
A1392006602			Thermostat for MFA2 vehicles	1	GLA45/CLA45	X
A1392006402			Thermostat for M139L vehicles	1	All M139 vehicles except CLA45/ GLA45	X
N000000006341			screw	2	New screws for thermostat installation	X

Control unit/fault code

Control unit	Fault text
N3/10 - Motor electronics 'MRG2AMG' for combustion engine 'M139' (ME) (MRG2AMG)	P012800 - The coolant temperature is below the coolant thermostat specified temperature. _

Operation numbers/damage codes

Op. no.	Operation text	Time	Damage code	Note
202470	Thermostat	3.5		
540650	Maintain Voltage	0.1		
541011	Quick Test	0.2		
547989	Ground Line	0.1		
611071	Belly Pan front	0.4		
611075	Belly pan center	0.3		