

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	23
Function group	20.10 - Coolant pump, coolant thermostat
Date	4/30/25
Validity	All vehicles with any version of M139 engine
Reason for change	remedy update

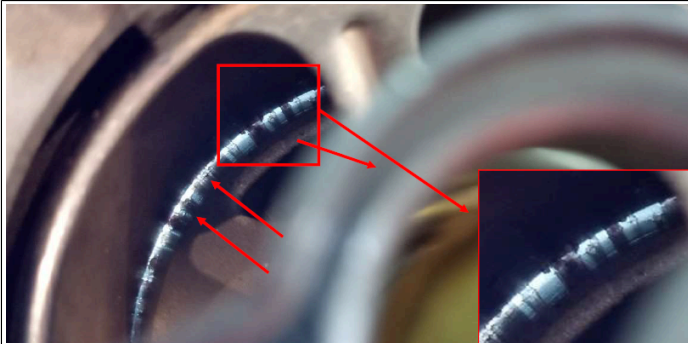
Complaint

Customer states that the CEL is lit in the instrument cluster

Cause

Debris in the coolant system

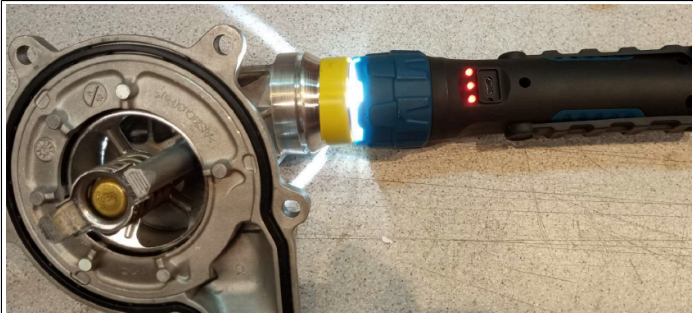
Attachments	
File	Description
Debris Aft of Sealing Surface of Thermostat.png	
	
Result of Using Light Source to Detect Debris.png	



Debris at Interior Sealing Surface of Thermostat.png



Using Light Source to Detect Debris.png



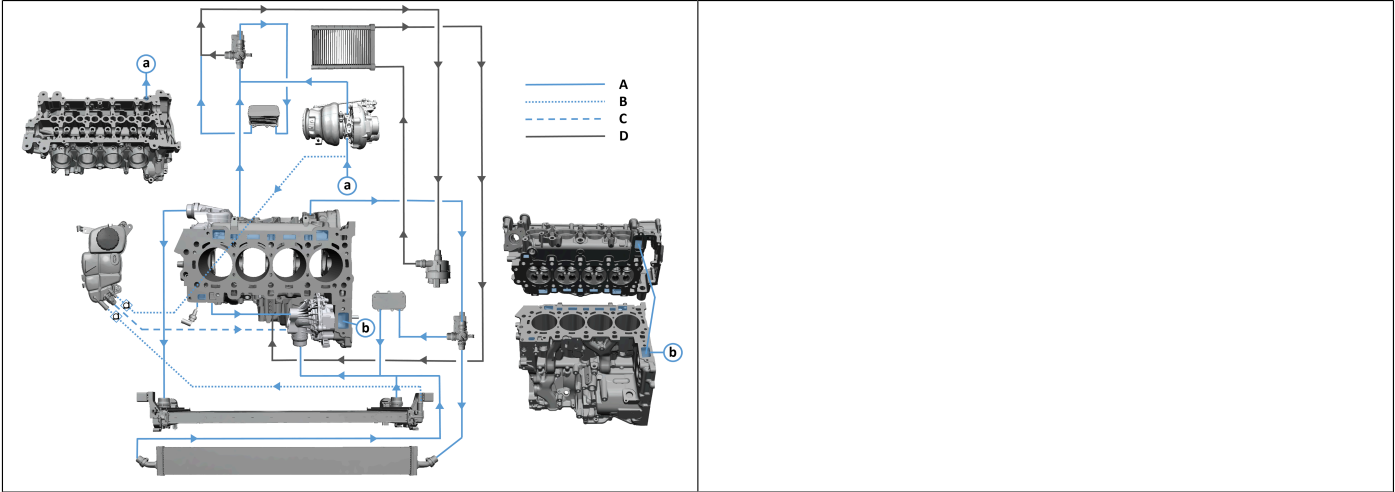
Debris near Mating Surface of Thermostat.png



Heavy Debris in Thermostat.png



[CLA_GLA M139 Coolant Diagram.png](#)



Remedy

An updated thermostat will be installed. It must be requested through a TIPS case.

In your request include a contact name, phone number, and shipping address for the thermostat.

New screws must also be installed with the revised thermostat, PN N000000006341 (qty 5) will be used in place of the existing M8 screws.

The new screws must be torqued to 8 Nm.

Besides these two revisions, follow the instructions in WIS for removal and installation.

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

Attachments	
File	Description
MFA2 CLA45_GLA45 Flushing Tool Use.pdf	CLA45, GLA45
ENG_Work instructions for rinsing routine M139 BR206 C43 rev_1.2.pdf	C43
206 C63 Flushing Tool Use.pdf	C63
ENG_Work instructions for rinsing routine M139 BR232_SL43_rev_1.2.pdf	SL43
254 GLC43 Flushing Tool Use.pdf	GLC43
254 GLC63 Flushing Tool Use.pdf	GLC63

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
N000000006341			screw	5	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		