



OM654 Coolant warning lamp and/or MIL illuminated in the Instrument Cluster

Topic number	LI20.10-N-080868
Version	1
Function group	20.10 - Coolant pump, coolant thermostat
Date	8/6/26
Validity	Sprinter 907 with OM654 engine
Reason for change	

Complaint

The coolant warning lamp may be displayed in the instrument cluster. The malfunction indicator lamp (MIL) may also be illuminated.

Cause

Moisture or corrosion may be present in the connector of the low-temperature circuit switchover valve (Y97/6) or coolant pump 1 (M75/11).

Remedy

Inspect the connectors and pins at the low-temperature circuit switchover valve and coolant pump 1 for moisture, corrosion, or terminal damage.



If moisture, corrosion, or terminal damage is found, replace the affected connector or wiring harness and the corresponding component as required.

If available, use the wiring harness as the repair measure. If the wiring harness is not available or is not applicable, replace the connector housing and required small parts in the wiring harness.

Note:

Review the Parts tab for the applicable part numbers required to complete the repair.

Create a TIPS case and attach clear photos of the connector, pins, wiring harness, and affected component. Retain the defective parts, as parts may be requested for analysis.

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 cooling system > Indicator lamp > Illuminates yellow

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

Communication/information > Information display > Displays > Coolant temperature > Malfunction



Parts

Part number	ES1	ES2	Designation	Quantity	Note	EPC
A0005457180			Seal insert, M75/11 coolant pump	3		
A0009822826			Crimp socket contact, Y97/6 switchover valve	3		
A0015455080			Single-wire seal, Y97/6 switchover valve	3		
A0095458126			Contact socket, M75/11 coolant pump	3		
A0235455226			Coupling housing, M75/11 coolant pump	1		
A0285458326			Coupling housing, Y97/6 switchover valve	1		
A9105404956			Wiring harness	1		

Control unit/fault code

Control unit	Fault text
N127 - Control unit "Drivetrain" (CPC) / (CPC_NG)	P1D9300 - A fault was detected in low-temperature circuit 1 due to an implausible transmission oil temperature. P1D9285 - A fault was detected in low-temperature circuit 1 due to an implausible charge air temperature. There is a signal above the permissible limit value. P1D9200 - A fault was detected in low-temperature circuit 1 due to an implausible charge air temperature. _ P1D8C92 - The switchover valve of low-temperature circuit 1 has a malfunction. The function or the instruction is faulty. P1D8C67 - The switchover valve of low-temperature circuit 1 has a malfunction. The signal is impermissible after an event. P1D8C04 - The switchover valve of low-temperature circuit 1 has a malfunction. There is an internal fault. P1D8C97 - The switchover valve of low-temperature circuit 1 has a malfunction. The system function is restricted. P1D8C00 - The switchover valve of low-temperature circuit 1 has a malfunction. U1218FB - Communication with actuator motor "Switchover valve of low-temperature circuit 1" has a malfunction. U1218FA - Communication with actuator motor "Switchover valve of low-temperature circuit 1" has a malfunction.



U121887 - Communication with actuator motor "Switchover valve of low-temperature circuit 1" has a malfunction. The message is missing.

U121800 - Communication with actuator motor "Switchover valve of low-temperature circuit 1" has a malfunction.

U02A908 - Communication with coolant pump 1 of the charge air cooler has a malfunction. There is a signal fault or the message is faulty.

U02A987 - Communication with coolant pump 1 of the charge air cooler has a malfunction. The message is missing.

U02A902 - Communication with coolant pump 1 of the charge air cooler has a malfunction. There is a general signal fault.

Operation numbers/damage codes

Op. no.	Operation text	Time	Damage code	Note
		H	2011V	Switchover valve
		H	20602	Coolant pump