

Engine Cooling Fan, model 167

Topic number	LI20.40-P-070996
Version	4
Function group	20.40 - Fan, fan clutch
Date	7/30/24
Validity	Model 167
Reason for change	Remedy clarified.

Complaint

Yellow coolant warning system message appears in instrument cluster.
Fault code P048392 or P048397 present in N127 Powertrain Control Unit.

Cause

Faulty communication between fan and control unit N127-PTCU.

Remedy

If other fault codes related to engine fan are present, process these first.

Replace engine fan with part as specified in XENTRY parts information. Group 50/015.

Note: Do not install a lower wattage fan than what was originally installed in 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 cooling system > Function > Has a high coolant temperature
Power generation > Engine cooling system > Engine fan > Malfunction
Control unit/fault code

Control unit	Fault text
N127 - Control unit "Drivetrain" (PTCU) (CPC_NG)	P048392 - The electric fan has a malfunction. The function or the instruction is faulty. P048397 - The electric fan has a malfunction. The system function is restricted.
N127 - Control unit "Drivetrain" (PTCU) (CPC_NG)	P048392 - The electric fan has a malfunction. The function or the instruction is faulty. P048397 - The electric fan has a malfunction. The system function is restricted.

Operation numbers/damage codes				
Op. no.	Operation text	Time	Damage code	Note
			5003673	