

118 247 with 48V technology (B01), FC U044287, U014687, U016887, U010087, U005587 or U04018

Topic number	LI54.21-P-078926
Version	3
Function group	54.21 - Control units / basic modules
Date	8/4/25
Validity	118 247 with 48V technology (B01)
Reason for change	Remedy

Complaint

Check engine light comes on when driving/starting the vehicle. No drivability concerns.

Cause

Communication error in G1/3 - 48 V on-board electrical system battery (48 V LIB) or N127 - 'Drivetrain' control unit (PTCU)saved and/or current

Remedy

Update the software for the control unit G1/3 - 48 V on-board electrical system battery (48 V LIB) :

--> Remedy-SW A001902042425/12

If the fault profile still occurs with the installed software, check the wiring and the plug contacts:

- UG1/3 - 48 V on-board electrical system battery (48 V LIB)
- N83/1 - DC/DC converter (DDW)
- N127 - 'Drivetrain' (PTCU) control unit

NOTE: Replacing parts does not remedy the problem.

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

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