

P3 Hybrid vehicle not AC charging

Topic number	LI47.70-P-078127
Version	3
Function group	47.70 - Powertrain energy supply
Date	5/20/25
Validity	206, 223, 290
Reason for change	new ETA for SW available from AMG

Complaint

Vehicle not AC charging.

Check engine light on. PTCU/N127 with fault code P0D9100 "The lock for the charging cable has an open circuit".

Cause

Possible Software topic.

Remedy

Please open TIPS case.

TIPS case:

Needed customer feedback:

When did the complaint/IC message occur? While driving and /or charging / or parking?

If the complaint occurred while charging, how long after did the complaint/IC message occur?

Which charging station was used, which provider (picture if possible)?

Attach HV CUL and QT to the case

Test:

Verify AC charging

Erase fault codes and verify if fault code P0D9100 "The lock for the charging cable has an open circuit" returns

Check AV of AC charger

Check the connection of the charging cable and charging socket and lock actuator – 1) yes or no? – 2) Did the failure disappear or not?

Check the connection of the OBC and HV-Harness to the charging socket (unplug and plug again) – 1) yes or no 2) Did the failure disappear or not?

Check the LV-connection to the locking actuator on the charging socket (unplug and plug again) – 1) yes or no? 2) any changes?

Check the emergency release activation on the locking actuator – was it triggered/pulled out or not? Emergency release should be rotated back in not activated position

Check for SW updates for AC charger and PTCU.

SW remedy expected to be available 06/2025

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				
Overall vehicle > Power supply > Battery/On-board electrical system > Battery function > Battery cannot be charged				
Overall vehicle > Power supply > High-voltage on-board electrical system > High-voltage battery > Display message				
Control unit/fault code				
Control unit			Fault text	
N127 - Control unit "Drivetrain" (PTCU) (CPC3)			P0D9100 - On-board charger : The lock for the charging cable has an open circuit. _	
Operation numbers/damage codes				
Op. no.	Operation text	Time	Damage code	Note