

P3 Hybrid vehicle not AC charging

Topic number	LI47.70-P-078127
Version	1
Function group	47.70 - Powertrain energy supply
Date	7/30/24
Validity	206, 223, 290
Reason for change	

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 Hardware and/or Software. Investigation is ongoing.

Remedy

Please open TIPS case.

TIPS case:

Needed customer feedback:

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

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

Attach HV CUL and QT to the case

Attach picture of label of AC charger to the case

Attach screenshot of AV AC charger

Provide the results of the test below.

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

Test with different charging station

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