

P3 Hybrid vehicle not AC charging

Topic number	LI47.70-P-078127
Version	2
Function group	47.70 - Powertrain energy supply
Date	8/15/24
Validity	206, 223, 290
Reason for change	AMG update/additional info request

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 / 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

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

XENTRY Tips

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

Test with different charging station

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