

Red display in Charging status indicator


Topic number	LI47.70-P-077900
Version	1
Function group	47.70 - Powertrain energy supply
Date	5/29/24
Validity	206,223,254 and 214 Plug-in Hybrid vehicles
Reason for change	

Complaint

- Red display in the Charging indicator status in MBUX during AC Charging.
- Error message in Mercedes Me App.
- Fault code P0E5F97 exists in N83 (AC charger for high-voltage battery (SG-LG))



Attachments

File	Description
Ausschnitt .PNG	
	

Cause

The message/indicator status appears when the vehicle is parked outside, under direct sunlight or in higher temperature regions.

Remedy

- Not an error. Vehicle charging continues and does not abort. Charging power might be reduced temporarily until the temperature comes within threshold.

XENTRY Tips

- Do not replace any components.
- Please inform the customer: Park the vehicle in the shade during charging where the outside temperature is lower.

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
Overall vehicle > Power supply > High-voltage on-board electrical system > Charging > Domestic power outlet (Mode2/Level1) > Aborts
Overall vehicle > Power supply > High-voltage on-board electrical system > Charging > Wallbox (Mode3/Level2) > Aborts
Overall vehicle > Power supply > High-voltage on-board electrical system > Charging > Charging pillar (Mode3/Level2) > Aborts
Overall vehicle > Power supply > High-voltage on-board electrical system > Charging > Charging socket > Red LED lights up

Control unit/fault code	
Control unit	Fault text
N83 - AC charger for high-voltage battery (SG-LG) (OBL223_GEN4)	P0E5F97 - The temperature at the plug of the charging cable is too high. The system function is restricted.

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