

Charging problem with instrument cluster message and FC P0CFE00

Topic number	LI47.70-P-076030
Version	10
Function group	47.70 - Powertrain energy supply
Date	2/23/26
Validity	Models 167, 206, 214, 223, 247, 254 with code 81B or 82B; model 243 with code 81B or 82B
Reason for change	Validities adapted

Complaint

After the charging process is complete, an instrument cluster message with a charging error appears and FC P0CFE00 is stored in control unit "N83 - AC charger for high-voltage battery (SG-LG)". The fault message and the fault memory entry can also appear at the beginning of the charging pause during delayed charging. Both only occur in combination with active pre-entry climate control.

Cause

Software in control unit "N83 - AC charger for high-voltage battery (SG-LG)".

Remedy

For plug-in Model Series 167, 206, 214, 223, 247, 254:

Carry out software update and SCN coding for the control unit "N83 – AC charger for high-voltage battery (SG-LG)".

For model series 243:

Carry out software update and SCN coding for the control units "N116/5 – DC charge-connection unit (DCCU)" and "N83/11 – AC charger for high-voltage battery (SG-LG)"

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.

XENTRY Tips

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

Control unit/fault code

Control unit	Fault text
N83 - AC charger for high-voltage battery (SG-LG) (OB-L223_GEN4)	P0CFE00 - The internal switch for starting the charging process of the on-board charger does not open. _

Operation numbers/damage codes

Op. no.	Operation text	Time	Damage code	Note
		H	541FZ	