

Charging problem with IC message and FC P0CFE00

Topic number	LI47.70-P-076030
Version	2
Function group	47.70 - Powertrain energy supply
Date	7/19/24
Validity	Model 206/223 with ME10 model 243 with engine M780
Reason for change	Adapt remedy

Complaint

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

Cause

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

Remedy

For 206 and 223 model lines with code 802 - Perform SCN coding in control unit "N83 - AC charger for high-voltage battery (SG-LG)". If, even after the coding has been successfully completed, the FC P0CFE00 continues to occur, please do not replace any parts. New software fix is currently in development and it is expected to be released by Q1-2025. Replacing of parts will not bring in any remedial action.

For 243 model line - Fix is already available. Please tell the workshop to perform software update and SCN coding for control units "N116/5 - Direct current charge connection unit (DCCU)" and "N83/11 - AC charger for high-voltage battery (SG-LG)" to resolve the problem.

Disclaimer

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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