

Vehicle cannot be started (FC: P0A0A00, P0A0E00, P0D9F00, P1D0BFD, C11C187, P0D5800, P0D5900, P0D9900, P0D9A97)

Topic number	LI54.10-P-067823
Version	1
Function group	54.10 Battery, power supply, voltage converter
Date	03-07-2018
Validity	451ev3 (smart electric drive 3rd generation) with SA code 908 (22 kW on-board charger) and production date BE-FORE 25.03.2013
Reason for change	"Remedy" adapted
Reason for block	

Complaint:

The complaint "Vehicle cannot be started" occurs with various associated phenomena:

- Vehicle cannot be started and "Charging cable plugged in" displayed in IC.
- Vehicle cannot be started after charging process.
- HV battery cannot be charged.
- Sporadic or permanent interlock fault (FC: P0A0A00, P0A0E00, P0D9F00, P1D0BFD)
- Communication disrupted with "on-board charger" (FC: C11C187)
- Sensor fault (FC: P0D5800, P0D5900, P0D9900, P0D9A97)

Cause:

Possible loose contact of LV contacts at 22 kW on-board charger.

Remedy:

Push or pull gently on the LV connectors at the 22 kW on-board charger and wait for up to 5 seconds after each attempt to see whether the charging process commences.

It should also be noted that the complaint may occur only on warm or cold components, i.e. at the end or beginning of the charging process.

Symptoms
Overall vehicle / Power supply / Battery/On-board electrical system / Battery function / Battery cannot be charged
Power generation / Engine management / Electric drive / Electric machine / Nonfunctional

Control unit/fault code		
Control unit	Fault code	Fault text
N83/10 (Onboard charger 22kW) (OBL_451_22KW)	P0A0A00	The interlock circuit of the high-voltage on-board electrical system has an electrical fault.
N83/10 (Onboard charger 22kW) (OBL_451_22KW)	P0A0E00	The interlock circuit of the high-voltage on-board electrical system has a sporadic malfunction.

XENTRY TIPS

N83/10 (Onboard charger 22kW) (OBL_451_22KW)	P0D9F00	Position sensor 'Charging cable lock' has a malfunction.
N83/10 (Onboard charger 22kW) (OBL_451_22KW)	P1D0BFD	The internal power supply has a malfunction.
N83/10 (Onboard charger 22kW) (OBL_451_22KW)	P0D5800	The sensor for contact detection between the female contact and the charging cable has a short circuit to ground.
N83/10 (Onboard charger 22kW) (OBL_451_22KW)	P0D5900	The sensor for contact detection between the female contact and the charging cable has a short circuit to positive.
N83/10 (Onboard charger 22kW) (OBL_451_22KW)	P0D9900	Temperature sensor of the female contact has an electrical fault.
N83/10 (Onboard charger 22kW) (OBL_451_22KW)	P0D9A97	The temperature sensor of the female contact has a malfunction.