

## Charging socket/charging cable: Charging cable lock jams (P12E900, P13E800)

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Topic number	LI54.10-P-067824
Version	1
Function group	54.10 Battery, power supply, voltage converter
Date	03-07-2018
Validity	451ev3 (smart electric drive 3rd generation)
Reason for change	Remedy adjusted
Reason for block	

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### Complaint:

The connector of the charging cable cannot be pulled out of the vehicle socket.

The connector of the charging cable does not lock in the vehicle socket.

The following fault codes are logged in the 3kW on-board charger control unit (N83):

P13E800 - "The lock of the charging cable is jammed in the open position"

P12E900 - "The lock of the charging cable is jammed in the closed position"

The following fault codes are logged in the 22kW on-board charger control unit (N83/10):

P0D9100 - "The lock of the charging cable has an open circuit"

P0D9400 - "The lock of the charging cable has an electrical fault"

P0D9F00 - "The position sensor "Lock of charging cable" has a malfunction"

P0D9498 - "The lock of the charging cable has a malfunction"

### Cause:

These fault codes are set when the locking pin tilts due to misalignment of the connector.

### Remedy:

If the fault is merely stored and there is no customer complaint (charging inoperative or charging cable jammed), the fault code can be ignored and erased.

If there are customer complaints about the lock of the charging socket, please proceed as follows:

- Make sure that the cable is plugged into the socket completely with the connector neither tilted nor misaligned; if necessary, hold on to the connector until you hear the locking pin move.
- Also, make sure that the cable does not exert any tension or torque on the connecting in the vehicle. This can cause the locking pin to jam. The cable must be routed freely without load between the infrastructure and the vehicle.

# XENTRY TIPS

- Also, pay attention to the notes in the owner's manual about handling the charging cable.

Attachments	
File	Description
Plug-in process.pdf	Plug-in process

Symptoms
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 / Nonfunctional

Control unit/fault code		
Control unit	Fault code	Fault text
N83 (Onboard charger 3kW) (OBL_451)	P13E800	The lock of the charging cable is jammed in the open position.
N83 (Onboard charger 3kW) (OBL_451)	P13E900	The lock of the charging cable is jammed in the closed position.
N83/10 (Onboard charger 22kW) (OBL_451_22KW)	P0D9100	The lock for the charging cable has an open circuit.
N83/10 (Onboard charger 22kW) (OBL_451_22KW)	P0D9400	The locking of the charging cable has a malfunction.
N83/10 (Onboard charger 22kW) (OBL_451_22KW)	P0D9498	The locking of the charging cable has a malfunction.
N83/10 (Onboard charger 22kW) (OBL_451_22KW)	P0D9F00	Position sensor 'Charging cable lock' has a malfunction.

Operation numbers/damage codes				
Op. no.	Operation text	Time	Damage code	Note
			54785 22	If the fault was caused by incorrect plugging of the charging cable or by tension/torque on the charging cable/socket, the repair work must not be submitted through W&G channels.

# 451ev3 (smart electric drive 3. Generation) Plug-in process

