

Vehicle does not start

Topic number	LI54.10-P-068383
Version	2
Function group	54.10 Battery, power supply, voltage converter
Date	08-06-2018
Validity	Model 453 (smart electric drive)
Reason for change	New symptom "Vehicle does not start" specified
Reason for block	

Complaint:

Vehicle does not start or HV warning in instrument cluster (see attachment) with 12 V battery sufficiently charged. After bus idle, the fault is no longer reproducible.

1. Control unit 'N127 - Powertrain control unit (PTCU)' contains the fault code P044196 (The high-voltage battery module has an internal battery insulation fault. The signal from the measuring instrument for the insulation resistance is implausible).
2. No fault code stored in a relevant control unit.

Attachments	
File	Description
Bild vom Ki e smart.jpg	IC warning message 1
Bild vom Ki e.jpg	IC warning message 2

Cause:

The insulation resistance meter in control unit N82/2 - Battery management system (BMS) responds too sensitively.

Remedy:

Do not replace any parts. Currently, we are awaiting the release of software for the 'Control unit N82/2 - Battery management system (BMS)' to potentially resolve this complaint without having to complete the measures outlined below.

Note:

This fault occurs rarely and frequent starting problems on the same vehicle are unlikely. In the event of any starting problems:

- 1) The vehicle should be locked with the key from outside.
- 2) Wait 5 min. after locking the vehicle from the outside (to wait for CAN bus idle) and then start the vehicle again.

Symptoms
Power generation / Engine management / Engine start/stop / Does not start
Overall vehicle / Power supply / High-voltage on-board electrical system / High-voltage battery / Malfunction
Overall vehicle / Power supply / High-voltage on-board electrical system / High-voltage battery / Display message

Control unit/fault code

XENTRY TIPS

Control unit	Fault code	Fault text
N127 - Control unit 'Powertrain' (PTCU) (EVC453)	P044196	There is a battery-internal isolation fault in the high-voltage battery module. The signal from the measuring instrument for the insulation resistance is implausible.

Attachments

Bild vom Ki e smart.jpg:



XENTRY TIPS

Bild vom Ki e.jpg:

