

## Information on replacing the high-voltage battery

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Topic number	LI54.10-P-068125
Version	1
Function group	54.10 Battery, power supply, voltage converter
Date	05-21-2018
Validity	MODEL 242.890 (B-Class electric drive)
Reason for change	Translation problem rectified
Reason for block	

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### Complaint:

Further freeze frame data (.bin file) is required for processing used high-voltage batteries.

Not all required data is stored in the removed high-voltage battery.

### Cause:

The freeze frame data is stored in the PTCU GW (N93/8) control unit.

### Remedy:

Follow the process below in XENTRY diagnostics

1. Enter Control unit view
2. Select Control Unit 'PTCU GW control unit (N93/8)'
3. Select tab labeled 'Special processes'
4. Download extended freeze frame data of the control unit:
  - Download freeze frame data (.bin file) with a size of 5 MB.
5. Create a PTSS case
6. Attach Quick Test and .bin file to PTSS case

<b>Symptoms</b>
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		
Control unit	Fault code	Fault text
N93/8 - Drivetrain gateway (PTCU-GW) (PTGW1T)	P1C0100	The control unit 'Battery management system' had a malfunction.
N93/8 - Drivetrain gateway (PTCU-GW) (PTGW1T)	P1C0D00	The power supply of control unit 'High-voltage battery' is too high.

# XENTRY TIPS

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N93/8 - Drivetrain gateway (PTCU-GW) (PTGW1T)	P1C0F00	Component 'High-voltage battery' has an internal fault.
N93/8 - Drivetrain gateway (PTCU-GW) (PTGW1T)	P1C0200	There is a battery-internal isolation fault in the high-voltage battery module.
N93/8 - Drivetrain gateway (PTCU-GW) (PTGW1T)	P1C0500	Contact "Positive terminal" of the contactor in the high-voltage battery is jammed closed.
N93/8 - Drivetrain gateway (PTCU-GW) (PTGW1T)	P1C0600	Contact "Negative terminal" of the contactor in the high-voltage battery is jammed closed.
N93/8 - Drivetrain gateway (PTCU-GW) (PTGW1T)	P1C0700	The interlock circuit of the high-voltage on-board electrical system has a malfunction.
N93/8 - Drivetrain gateway (PTCU-GW) (PTGW1T)	P1C0900	The high-voltage battery module has overtemperature.
N93/8 - Drivetrain gateway (PTCU-GW) (PTGW1T)	P1C0A00	The precharging time of the high-voltage on-board electrical system is too short.
N93/8 - Drivetrain gateway (PTCU-GW) (PTGW1T)	P1C0B00	The precharging time of the high-voltage on-board electrical system is too long.
N93/8 - Drivetrain gateway (PTCU-GW) (PTGW1T)	P1C0C00	The power supply of control unit 'High-voltage battery' is too low.