

Technical Service Bulletin

Topic	93 Q4 e-tron - DTC P0BBD00 (static) in diagnostic address 008C
Market area	United States 444 Volkswagen of America, Inc. (6444)
Brand	Audi
Transaction No.	2075721/3
Level	EH
Status	Released for publishing
Release date	Apr 28, 2025

Diagnostic trouble codes

Diagnostic address	Diagnostic trouble code	Fault symptom	Storage state
008C - Hybrid battery management	P0BBD00: Hybrid Battery Pack Voltage Variation Exceeded Limit		static

New customer code

Object of complaint	Complaint type	Position
vehicle service -> vehicle diagnosis -> Guided Fault Finding (GFF)	control modules, services -> with fault stored in the DTC memory	
information, navigation, communication, entertainment -> driver information system (DIS, MFI, MMI) -> text display	functionality -> activates	
engine -> engine operation -> electro-drive mode	functionality -> does not switch on/connect	

New workshop code

Object of complaint	Complaint type	Position
power, vehicle electrical system, data transfer -> power supply -> high-voltage battery management control module	control modules, services -> with fault stored in the DTC memory	

Vehicle data

Q4 e-tron

Sales types

Type	MY	Brand	Designation	Engine code	Gearbox code	Final drive code
F4*	2024	A		*	*	*
F4*	2025	A		*	*	*

Control units

Diagnostic address	Software part number	Software version	Hardware part number	Hardware version
008C - Hybrid battery management	*	1122	*	*
008C - Hybrid battery management	*	1141	*	*

Documents

Document name
master.xml
anleitung_zellkapazitaeten_anlernen_im_service_vst.pdf
anleitung_zellkapazitaeten_anlernen_im_service_vst.pptx

Condition

REVISION HISTORY		
Revision	Date	Purpose
3	-	Revised <i>Condition</i> (Updated customer statement) Revised <i>Service</i> (Updated instructions) Revised title (Updated to match customer statements)
2	03/26/2025	Revised <i>Condition</i> (Updated Workshop Findings) Revised <i>Service</i> (Updated instructions)
1	10/22/2024	Initial publication

Customer states:

- The warning lamp for the electric drive system and the electrical system/high-voltage system illuminates yellow. In addition, the following message is shown in the instrument cluster: “Drive system fault. Please contact workshop”.

Workshop findings:

- The customer statement can be reproduced.

and

- The following DTC is/are logged in *the* hybrid battery management control unit -J840-, (address word 008C):
 - **P0BBD00**: Hybrid Battery Pack Voltage Variation Exceeded Limit (active/static).

and

- Guided Fault Finding reports: “Non-adapted cell capacities found: please work through TPI: 2075565”.

and

- The software version of control unit for hybrid battery management (diagnostic address 008C) is 1122 or 1141.

Technical Background

Unfavorable overlapping of various parameters leads to the cell capacities of the hybrid battery not being adapted correctly. As a result, the event memory entry P0BBD00 is logged in diagnostic address 008C and the warning lamp for the electrical drive system/high-voltage is activated (lights up in yellow).

Production Solution

Not applicable.

Service

1. Adapt cell capacities of high-voltage battery.
2. Check event memory entries in hybrid battery management control unit (diagnostic address 008C).

Process 1: Adapt cell capacities of high-voltage battery:

Adapt cell capacities of high-voltage battery as specified in the attachment “Anleitung_Zellkapazitäten_anlernen_im_Service_VST”.

Process 2: Check event memory entries in hybrid battery management control unit (diagnostic address 008C) and adaptation status of cell capacities of high-voltage battery:

If event memory entry P0BBD00 is no longer displayed after Process 1, and if the adaption status of the high-voltage battery cell capacities is OK according to Guided fault finding (test plan 008C – Check adaption status of cell capacities), the measure ends here, the vehicle can be returned to the customer.



If the event memory entry P0BBD00 still appears, please create a Web ticket with the Technical Assistance Center (TAC). Please write the number of this TSB: 2075721 in the field for *additional information on workshop findings*. This allows the internal department to identify the connection to this TSB quickly.

– TAC will contact you as soon as possible and provide further information.

Warranty

Claim Type:	<ul style="list-style-type: none"> If the vehicle is outside of any warranty, this Technical Service Bulletin is informational only. 		
Service Number:	9303		
Damage Code:	0039		
Labor Operations:	GFF/ Guided Function (Main Task)	0150 0010	See SRT with associated operations
	GFF/ Guided Function (Associated Task)	0150 0060	Time stated on the diagnostic protocol
	Open and close service disconnection (Associated Task)	9310 0999	10 TU
	Road test prior to the service procedure	0121 0002	10 TU
Claim Comment:	As per TSB 2075721/3		

All warranty claims submitted for payment must be in accordance with the *Audi Warranty Policies and Procedures Manual*. Claims are subject to review or audit by Audi Warranty.

Additional Information

All part and service references provided in this TSB (**2075721**) are subject to change and/or removal. Always check with your Parts Department and/or ETKA for the latest information and parts bulletins. Please check the Repair Manual for fasteners, bolts, nuts, and screws that require replacement during the repair.

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