Connection offline

Technical Service Bulletin

Transaction No.: **2078134/4**

93 Q4 e-tron - electric drive system warning lamp lights up / event memory entry: P0BBD00 in 008C

Release date: Apr 9, 2026

Condition

Model(s)	Year(s)	VIN Range	Vehicle Specific Equipment
Q4 e-tron, and Q4 Sportback e-tron	2022 – 2024	All	LX0: Cell module A LX6: Cell module G

REVISION HISTORY		
Revision	**Date**	**Purpose**
4	-	Revised *Warranty* (Updated Labor operations)
3	01/05/2026	Revised *Service* (Measure updated)
2	12/04/2025	Revised *Condition* (Added model table) Revised *Warranty* (Updated Labor operations)

Customer states:

- The electric drive system warning lamp lights up in the dash panel insert.

and/or

- The following message is shown in the instrument cluster:
  - *Drive system: fault. Please contact workshop."*

and/or

- Various warning lamps light up in the dash panel insert.

Workshop findings:

- One or more of the customer statements can be reproduced.

At least one of the following event memory entries is logged (intermittent/static) in battery regulation control unit - J840- (diagnostic address 008C):

- **P0BBD00**: Hybrid Battery Pack Voltage Variation Exceeded Limit
  - Symptom: 42345
  - Symptom: 42358
  - Symptom: 42365

- Symptom: 42370
- Symptom: 42126
- Symptom: 42118
- Symptom: 42136
- Symptom: 42011
- Symptom: 42017
- Symptom: 42024
- Symptom: 42030
- Symptom: 42038

NOTICE

This TSB does not apply if a different symptom number than the ones mentioned above is logged on event memory entry P0BBD00. Use Guided Fault Finding to work through event memory entry P0BBD0. In this case, the costs for the repair cannot be billed using this TSB.

Technical Background

To identify the affected battery modules, different procedures must be performed in Guided Fault Finding depending on the software version of the battery management system for the high-voltage battery (battery regulation control unit).

Production Solution

Not applicable.

Service

1. Check the vehicle history.
2. Identify the affected battery module(s).
3. Check the manufacturing date of battery module(s) and replace battery module(s) if necessary.

CAUTION

Transmission position "P" must be selected when working on the vehicle! Working on the vehicle (e.g. updating software or renewing/replacing control units) may affect the vehicle's functions until the work is fully completed. For example: the vehicle may not automatically secure itself from rolling after it has been exited:

- **For this reason, the vehicle must always be parked and transmission position P selected.**
- **Actively check that transmission position P is selected before and after faults, breaks or work interruptions.**
- **If a vehicle that can roll is required during work, it is essential to ensure that no active gear is engaged - instead, shift to transmission position N.**

Re. 1: Check vehicle history:

Check the vehicle history to determine whether the same battery module was replaced within the last 30 days and has now been identified **again** as being defective with the event memory entry: P0BBD00. A terminal 30 reset must be performed in this case.

To do this, proceed as follows:

- Switch the ignition off.
- Disconnect TW maintenance connector for high-voltage system ("Service disconnect").
- Disconnect 12V battery for approx. 30 seconds. Clear event memory when re-energizing the battery.
- Reassess the complaint after re-energizing the battery.
  - The measure can be concluded if the event memory entries are **not** logged again. The vehicle can be returned to the customer.
  - Continue with point ***Re. 2*** if event memory entries are logged again.

Re. 2: Identify affected battery module(s):

NOTICE

Please observe the mandatory steps/work when replacing high-voltage battery modules. These steps/work processes are described in TSB 2077497: *93 Service info: Electrics - high-voltage battery - Q4 e-tron: necessary work steps when replacing high-voltage modules*.

- Use the vehicle diagnostic tester to determine the current software version of the hybrid battery management control unit (diagnostic address: 008C):
  - For software version **1041**, Guided Fault Finding must be used to identify the affected battery modules.
  - For software versions **below 1041**, the test program ***008C – Check cell equalization*** must be used to identify the affected battery modules.
- According to the result of Guided Fault Finding, the affected battery module(s) must be replaced according to the Workshop Manual/parts catalogue.

NOTICE

Please note that the current Offboard Diagnostic Information System Service must be used:

– ***Offboard Diagnostic Information System Service: The ODIS service patch version (product version) 23.0.1 and the baseline version (diagnostic data – didb_GFS-v) 2.48.7 or higher must be installed.***

NOTICE

The test program *"008C – Check cell equalization"* can be found under the following path:

– **Systems with diagnostic capability**
– **008C - Hybrid Battery Energy Management -J840**
– **008C - Hybrid Battery Energy Management - Technical Product Information**
– **AX2 - High-voltage battery 1 - Check cell equalization**

Re. 3: Check the manufacturing date of the battery module(s) and replace the battery module(s) if necessary:

NOTICE

The high-voltage battery must first be removed/opened to check/read the manufacturing date.

DANGER

Warning – high-voltage system! High voltage can cause fatal injury. The voltage levels in the high-voltage system constitute a safety hazard. Danger of severe or fatal injuries from electric shock.

– It is essential that you observe and adhere to the safety information/safety measures in the Workshop Manual during all work on the high-voltage system.

- Remove and open the high-voltage battery as per the Workshop Manual.
- Check the manufacturing date on type plate of the battery module to be renewed (see Figure 1):
  - The consecutive production number (see Figure 1, highlighted in green) also includes the manufacturing date of the battery module. The manufacturing date of the battery module from the example (see image 1, highlighted green): LGP-POL **08.03.21** F6CUC8770 would therefore be **03/08/2021**.
  - If the battery module that must be replaced has a manufacturing date **prior to 12/04/2023 and** has one of the following part numbers: 0Z1.915.592.G, 0Z1.915.592.H, 0Z1.915.592.J, 0Z1.915.599.G, 0Z1.915.599.H, 0Z1.915.599.J, 0Z1.915.599.P, the battery module must be replaced according to the Workshop Manual/parts catalogue.
  - If a battery module with a manufacturing date **from 12/04/2023 onwards** is installed, a *technical repair query* must be created.

NOTICE

If a high-voltage battery module with a manufacturing date before 12/04/2023 was delivered from a current replacement part order, there is no need to create a technical repair query. These high-voltage battery modules have already been technically examined and can be installed.

NOTICE

Please check if there is an individual control system for damaged parts in your market.

– You must observe the instructions/notes regarding the analysis query as per TSB 2067544: *93 Cell module label must be documented when replacing HV modules*.

- An analysis query is not required for battery modules with a manufacturing date prior to 12/04/2023.
- Only make an analysis query according to TSB 2067544: 93 Cell module label must be documented when replacing HV modules if the manufacturing date of the battery module that is replaced is 12/04/2023 or later.

Figure 1. *Example image of a battery module type plate with production date: 08 03 21 (= 08.03.2021).*

NOTICE

If the test program identifies the same battery module as being defective again with the event memory entry P0BBD00 within 30 days, a terminal 30 reset must be performed. To do this, proceed as follows:

- **Switch the ignition off.**
- **Disconnect TW maintenance connector.**
- **Disconnect 12V battery for approx. 30 seconds. Clear event memory when re-energizing the battery.**
- **Reassess the complaint after re-energizing the battery. If DTC entries are entered again, a "technical repair query" must be created.**

Warranty

This TSB does not apply if different symptom numbers than the ones mentioned above are logged in DTC memory entry P0BBD00. In this case, the costs for the repair cannot be billed using this TSB.

Claim Type:	• If the vehicle is outside of any warranty, this Technical Service Bulletin is informational only.		
Service Number:	9301		
Damage Code:	0040		
Labor Operations:	GFF / Guided Functions	0150 0010	See SRT with associated operations
	Deactivate and activate high-voltage system	9310 8350	See SRT with associated operations
	Loosen and secure battery earth strap (terminal 30 reset)	9785 0950	See SRT with associated operations
	Remove and install high-voltage battery cover	9312 19xx	See SRT with associated operations
	Check high-voltage battery module (Read manufacturing date)	9301 0199	5 TU

	Replace high-voltage battery module	9301 5550	See SRT with associated operations
	Replace high-voltage battery module (every further module)	9301 5553	See SRT with associated operations
	Measure high-voltage battery housing (potential equalization)	9302 0350	See SRT with associated operations
	Clean high-voltage battery housing	9312 29xx	See SRT with associated operations
	Apply corrosion protection to high-voltage battery	9312 7550	See SRT with associated operations
	Check high-voltage system	9310 01xx	See SRT with associated operations
	GFF / Guided Functions	0150 0060	Time stated on the diagnostic protocol
Claim Comment:	As per TSB 2078134/4		

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.

Please note the information on predecessors and items that are included and excluded in the repair operations, as well as any associated tasks.

Additional Information

All part and service references provided in this TSB (**2078134**) 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.