

Condition

Model(s)	Year(s)	VIN Range	Vehicle Specific Equipment			
Q4 e-tron, and Q4 Sportback e-tron	2022 – 2024	All	With PR numbers: LX0 LX6			
			008C – Hybrid Battery Management			
			Software part number	Software version	Hardware part number	Hardware version
			*	1030	*	*
			*	1041	*	*

Customer states:

- The displayed remaining range (in km/mi) is too low for the displayed high-voltage battery charge level (in %) or has dropped sharply.

and/or

- The vehicle/high-voltage battery cannot be charged to the expected remaining range (in km/mi).

Workshop findings:

- The customer statement cannot (always) be reproduced.

and

- No relevant event memory entries indicating an issue with the battery management/high-voltage system are logged in diagnostic address 008C.

Technical Background

Not applicable.

Production Solution

Not applicable.

Service

- Perform Guided Function *“008C Check cell energy content deviation”*
- Reset battery regulation control unit (-J840-) after replacing high-voltage module

3. Adapt cell capacities of high-voltage battery
4. Perform test plan *"008C – Check teach-in status of cell capacities"*



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 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 the work, it is essential to ensure that no active gear is engaged - instead, shift to transmission position N.

Regarding 1: Perform Guided Function "008C Check cell energy content deviation":

Using ODIS, open and perform Guided Function > *"008C Check cell energy content deviation"*:

- If the check is **OK** and no high-voltage module needs to be replaced, this TSB does not apply. Please observe the related accounting information.
- If the check is **not OK**, please replace the relevant high-voltage module as specified in ELSA. Then continue with ***"Regarding 2"***.

Regarding 2: Reset battery regulation control unit (-J840-) after replacing high-voltage module:

Battery regulation control unit J840 must be reset after replacing a high-voltage module.

- Perform the steps described in TSB: 2077497
- Continue with ***"Regarding 3"***.

Regarding 3: Adapt cell capacities of high-voltage battery:

- Adapt cell capacities of high-voltage battery as specified in the attachment of this bulletin.

Regarding 4: Perform test plan "008C – Check teach-in status of cell capacities":

- Using the vehicle diagnostic tester, perform test plan *"008C – Check teach-in status of cell capacities"*:
 - If the teach-in status for the cell capacities of the high-voltage battery is **OK**, the measure ends here. The vehicle can be returned to the customer.
 - If the teach-in status for the cell capacities of the high-voltage battery is **not OK**, continue with ***"Regarding 3"***.



NOTICE

If the teach-in status for the cell capacities of the high-voltage battery is still not OK after the **third attempt**, contact TAC via a technical repair query. Please write the number of this TSB in the field for **additional information on workshop findings**. This allows the internal department to quickly make the connection to this TSB. TAC will contact you as soon as possible and provide further information.

Warranty



NOTICE

- The labor times correspond to the specified times in the repair operations list at the time of publication of this TSB. There may be differences if the repair operations list has been updated in the meantime. If this is the case, the current time specifications in the repair operations list apply. Times to be entered manual (... 99) are exempt from this.
- The time required to use the Offboard Diagnostic Information System (ODIS) tester.
- Repair operation 001500A8 to bill the time required from the diagnostic log is created in the APOS NF system and added automatically to the shopping basket.
- If the result of the step described under “*Regarding 1*” is not OK, the customer complaint is justified. In this case, the costs can be billed under warranty. If the result of the step described under “*Regarding 1*” is OK, there is no fault covered under warranty. In this case, the costs cannot be billed to the manufacturer under 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 Function (MT)	0150 0010	See SRT with associated operations
	GFF/ Guided Function (AT)	0150 0060	Labor according to the diagnostic log
	<i>If necessary:</i>		
	Replace high-voltage battery module (AT)	9301 55xx	See SRT with associated operations 1
	<i>Regarding 3:</i>		
	Open and close service disconnection <i>Includes:</i> Switch ignition on twice Use back-up power supply for battery	9310 0999	10 TU ²
	<i>The repair operations include all measures according to the repair instructions</i>		
Claim Comment:	As per TSB 2082768/1		

¹ Because of the number of models, please refer to the repair operations catalogue for the repair operation and the work that precedes and follows it.

² The specified time may only be used for this TSB.

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 (**2082768**) 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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