Technical Service Bulletin

93 High-voltage battery charger control module reports under wrong diagnostic address after being replaced
93 24 70 2063427/8 July 10, 2024. Supersedes Technical Service Bulletin Group 93 number 24-60 dated June 11, 2024 for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
e-tron	2019 2021 - 2023	All	Not Applicable
e-tron Sportback	2020 - 2023		
Q8 e-tron, Q8 Sportback e-tron, SQ8 e-tron, and SQ8 e-tron Sportback	2024 - 2025		

Condition

REVISION HISTORY		
Revision	**Date**	**Purpose**
8	-	Revise *Service* (Updated measure for non-UNECE SW) Revised *Warranty* (Updated Labor Operation)
7	06/11/2024	Revise *Service* (Added measure for non-UNECE SW)
6	05/14/2024	Revised header (Model Year 2024 and 2025 added) Revised *Service* (Added measure for UNECE SW) Revised *Warranty* (Added Labor Operation)

Customer states:

- The high-voltage battery charger control module, J1050 (address word 00C6) has been replaced due to a fault.

Workshop findings:

- After the vehicle's high-voltage battery charger control module, J1050 is replaced, the new unit no longer reports in the diagnostic scan tool under address word 00C6 but instead reports under address word 8113.
- High-voltage system cannot be restarted (event memories entered in address 0019).

Technical Background

The replacement part needs to have the diagnostic address/address word changed.

Production Solution

Not applicable.

Service

Process for software version 3112 or 3115 (=UNECE)

The battery charger must be replaced again and the connection sequence for the battery charger must be observed as described in the workshop manual.

Proceed as follows:

1. Order a new charging unit for the high-voltage battery.
2. Check the charging socket(s) and their resistance before installing and putting the battery charger into operation.
3. To do so, use the VAS 1594 to measure the following pins on the 60-pin plug on the battery charger to the electrical system 24 - 60 and 41 - 60. The measure values should be around 2.7k Ohm or 4.7k Ohm with a tolerance of +/- 5%.
4. Install the battery charger and observe the connection sequence.

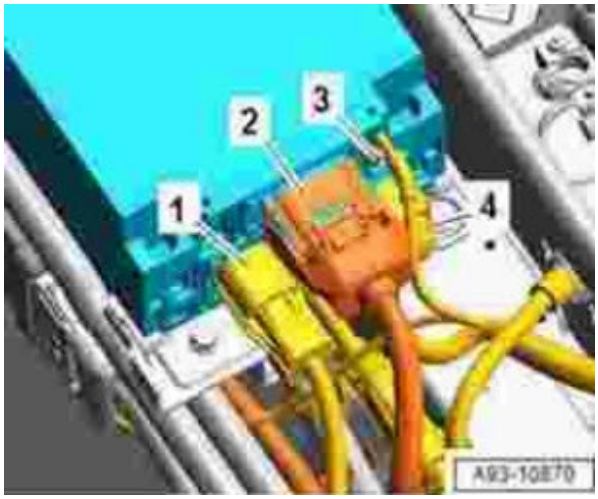

Figure 1. *Labeled connections.*

5. First connect electrical connectors -1- and -2-.
6. Connect electrical connector -4- last.
7. After installing the battery charger, it must be activated as described in the workshop manual (Guided Functions: Commissioning 00C6 - Replace control module).
8. Normally the OBC should log address 00C6. If it logs as 8113 instead of 00C6, proceed as follows:

If the high-voltage system still cannot be activated, update the electrical system configuration as follows:

Press “Select self-test” and then select the following path:

- 0019 - Data bus on board diagnostic interface – J533.
- 0019 - Technical product information.
- J533 - Technical Product information 2063053.

Process for all other software versions:

If the concern occurs after the component is replaced, proceed as follows using ODIS:

- High-Voltage Battery Charger Control Module 2, J1239 (Diagnostic address 8113).
- 8113 - High-Voltage Battery Charger Control Module 2, functions.
- 8113 - Change diagnostic address from 8113 to 00C6.
- Run the test plan and the scan tool will correct the diagnostic address.
- Check that the high-voltage battery charger control module, J1050 is now reporting in the scan tool under address word 00C6 and the high-voltage battery charger control module 2, J1239 is no longer reporting under address word 8113.
- Finish the replacement test plan for the replacement of the high-voltage battery charger control module J1050.

If the high-voltage system cannot be activated again, proceed as follows:

- End GFF and if the DTC is static start GFF again.
- Work through the DTC entries from the gateway (0019) according to the test plan.

If the high-voltage system still cannot be activated, update the electrical system configuration as follows:

- Press “Select self-test” and then select the following path:
- 0019 - Data bus on board diagnostic interface – J533
- 0019 - Technical product information
- J533 - Technical Product information 2063053

Warranty

Claim Type:	• 110 Up to 48 Months/50,000 Miles. • G10 for CPO Covered Vehicles – Verify Owner. • If the vehicle is outside of any warranty, this Technical Service Bulletin is informational only.
Service Number:	9352
Damage Code:	0039

Labor Operations:	Replace high-voltage charging unit	9352 5550	See SRT with associated operations
	Check high-voltage charging connector	9353 0199	10 TU
	Charge battery	2706 8950	See SRT with associated operations
Diagnostic Time:	GFF	0150 0060	Time stated on the diagnostic protocol
Claim Comment:	As per TSB 2063427/8		

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.

Required Parts and Tools

Tool Number	Tool Description
VAS 1594	Wire harness repair set
VAS 6160/VAS 6150	VAS tester with the current version of ODIS (Windows 10)

Additional Information

All part and service references provided in this TSB (**2063427**) 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.