Connection offline

Technical Service Bulletin

Topic	93 HV battery charger control module cannot be started, or reports under wrong diagnostic address after being replaced
Market area	United States 444 Volkswagen of America, Inc. (6444)
Brand	Audi
Transaction No.	2063427/11
Level	EH
Status	Released for publishing
Release date	Apr 28, 2025

New customer code

Object of complaint	Complaint type	Position
power, vehicle electrical system, data transfer -> power supply	functionality	

New workshop code

Object of complaint	Complaint type	Position
power, vehicle electrical system, data transfer -> power supply -> charger for electric drive motor high-voltage battery	functionality -> operation sequence incorrect	

Vehicle data

e-tron and e-tron Sportback

Sales types

Type	MY	Brand	Designation	Engine code	Gearbox code	Final drive code
GE*	2019	A		*	*	*
GE*	2020	A		*	*	*
GE*	2021	A		*	*	*
GE*	2022	A		*	*	*
GE*	2023	A		*	*	*
GE*	2024	A		*	*	*
GE*	2025	A		*	*	*

Documents

Document name
master.xml
vehicle_data_master.doc

Connection offline

Technical Service Bulletin

Transaction No.: **2063427/11**

93 HV battery charger control module cannot be started, or reports under wrong diagnostic address after being replaced

Release date: Apr 28, 2025

Condition

REVISION HISTORY		
Revision	**Date**	**Purpose**
11	-	Revised *Service* (Updated measure)
10	11/15/2024	Revised *Service* (Updated measure) Revised title (Updated for clarity)
9	08/27/2024	Revised *Service* (Updated measure for second OBC*)*

Customer states:

- The high-voltage battery charger control module, J1050 (address word 00C6) has to be 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.

Or

- 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 / 3115 or 3119 (=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 T-60 connector 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%.

- Before installing the charging unit, the fuse of the OBC1 (5) or OBC2 (11) must be removed from the fuse carrier 1 (SR1)

4. Install the battery charger and observe the connection sequence.
   - First connect the electrical connectors -1- and -2- (Figure 1).
   - Connect the electrical connector -4- last (Figure 1).

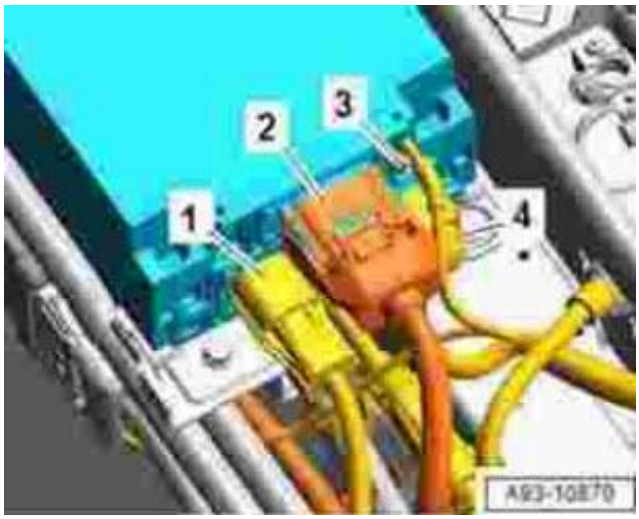

Figure 1. *Labeled connections.*

5. Reinsert the removed fuses for the OBC1 or OBC2
6. After installing the battery charger, it must be activated as described in the workshop manual (Guided Functions: Commissioning 00C6 - Replace control module).

   Normally the OBC should log address 00C6. If it logs as 8113 instead of 00C6, proceed as follows:
   - End Guided Fault Finding and if the event memory entries are static, start Guided Fault Finding again.
   - Work through the event memory entries from gateway 0019 according to the test plan.

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

Select the self-test button and then select the following path:

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

If the high-voltage system still cannot be commissioned, please create a TAC inquiry.

Please ensure that a current diagnostic log is available on GFF paperless and the following measured values from address 00C6/8113 have been read out:

PRX voltage at charging socket A 5413 (decimal)/0x1525 (hexadecimal)

PRX voltage at charging socket B 5417 (decimal)/0x1529 (hexadecimal)

<u>Process for all other software versions:</u>

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

1. If the vehicle has PR number KB4 (onboard charging unit up to 22kW) disconnect charging unit 2 (AX5) first.
2. Select the self-test button and then select the following path:

- 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.

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:	• If the vehicle is outside of any warranty, this Technical Service Bulletin is informational only.		
Service Number:	9352		
Damage Code:	0039		
Labor Operations:	***Software version 3112 or 3115 or 3119***		
	Replace high-voltage charging unit	9352 5550	See SRT with associated operations
	GFF	0150 0060	Labor according to the diagnostic log
	All other software versions with charging unit 2 (AX5)		
	Loosen and secure high-voltage charging unit	9352 0999	50 TU
	GFF	0150 0060	Labor according to the diagnostic log
	All other software versions without charging unit 2 (AX5)		
	GFF	0150 0010	See SRT with associated operations
	GFF	0150 0060	Labor according to the diagnostic log
Claim Comment:	As per TSB 2063427/11		

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.