



Technical Service Bulletin

93 DTC U041300 Battery Energy Control Module "B" stored in ECM and/or Electric Drive Control Unit

93 24 96 2068630/4 July 31, 2024. Supersedes Technical Service Bulletin Group 93 number 23-14 dated May 30, 2023, for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
A7 e quattro	2021 - 2022	All	Not Applicable
Q5 e quattro	2020 - 2024		

Condition

REVISION HISTORY		
Revision	Date	Purpose
4	-	Revised <i>Condition</i> (Updated customer statements)
3	05/30/2023	Revised <i>Service</i> (Updated SVM Table)
2	05/22/2023	Revised <i>Service</i> (Added Software update for A7 and MY 2020 and 2021 Q5) Revised header (Added A7 and MY 2020 and 2022)

Customer states:

Yellow warning lamp in instrument cluster.

The vehicle can no longer be started.

Workshop findings:

U041300 Stored in Diagnostic address 0001 and/or 0051:

The following DTC(s) is/are stored engine control module (ECM), J623 (address word 0001): and/or in the Electric Drive control unit J841 (address word 0051):

- **DTC U041300** Invalid Data Received from Battery Energy Control Module "B" with symptom code 23085.

The customer statement can be reproduced.

The switching unit for high-voltage battery SX6 has the software version 106/206.

The software version can be checked as follows:

Guided functions in ODIS >> Diagnostic address 008C >> Guided Function >> "Read identification">> Read additional identification data >> read and display data of sub-systems (slaves). The result of the identification is shown in the diagnostic log.

P0A9500 or P0E2E00 in diagnostic address 008C:

The following DTC(s) is/are stored in the hybrid battery management control module, J840 (address word 008C)

DTC P0A9500: High Voltage Fuse (symptom 28730) passive/intermittent

Or



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DTC P0E2E00: Battery Charger “A” Fuse (symptom 28733) passive/intermittent

The customer statement can be reproduced, and the faults listed above are set in the 008C.

According to Guided Fault finding the switching unit for the high-voltage battery (SX6) should be replaced.

However, replacing the part will not solve the problem.

P0B1300 in diagnostic address 008C:

The following DTC(s) is/are stored in the hybrid battery management control module, J840 (address word 008C)

DTC P0B1300: Hybrid Battery Pack Current Sensor “A/B” Correlation (symptom 14348)

The customer statement can be reproduced, and the faults listed above are set in the 008C

According to Guided Fault finding the switching unit for the high-voltage battery (SX6) should be replaced.

However, replacing the part will not solve the problem.

P0AC00 in diagnostic address 008C:

The following DTC(s) is/are stored in the hybrid battery management control module, J840 (address word 008C)

DTC P0AC00: Hybrid/EV Battery Pack Current Sensor “A” Circuit Range/Performance (symptom 14340)

In some cases, **P0A7E00:** Hybrid/EV Battery Pack Over Temperature (symptom 28706) may be logged.

The customer statement can be reproduced, and the faults listed above are set in the 008C

According to Guided Fault finding the switching unit for the high-voltage battery (SX6) should be replaced.

However, replacing the part will not solve the problem.

Technical Background 1

Software Error.

Production Solution

Improved software in production.

Service

This TSB replaces Pending Service Solution (PSS) 2065722: *PSS 93: DTC U041300 Battery Energy Control Module “B” stored in ECM and/or Electric Drive Control Unit.*

This TSB applies if at least one of the customer statements and one or more of the workshop findings are applicable and the vehicle has one of the following 4 equipment versions.

SVM Update Option 1 Instructions

Follow all instructions in TSB 2011732: *00 Software Version Management (SVM), operating instructions.*



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Update the Hybrid Battery Management control unit (J840) using the SVM action code as listed in the table below, if necessary:



NOTICE

To prevent the high-voltage battery from charging during the software update, the high-voltage charging cable on vehicles with high-voltage components must be unplugged **BEFORE** the SVM code is entered. Charging the high-voltage battery during a software update can cause damage to the high-voltage components.

Model	Old Software Part Number	Old Software Version	New Software Part Number	New Software Version (or higher)	SVM Code Input
Q5 TFSIe	4M4915233G	0371	4M4915233K	0373	8CA009

SVM Update Option 2 Instructions



NOTICE

For this repair option two SVM codes will need to be run and they must be in the order provided below

Follow all instructions in TSB 2011732: *00 Software Version Management (SVM), operating instructions*.

Update the Hybrid Battery Management control unit (J840), the Battery Junction Box (SX6) and the Cell Module Control units (CMC) using the SVM action code as listed in the table below, if necessary:



NOTICE

To prevent the high-voltage battery from charging during the software update, the high-voltage charging cable on vehicles with high-voltage components must be unplugged **BEFORE** the SVM code is entered. Charging the high-voltage battery during a software update can cause damage to the high-voltage components.

Model	Old Software Part Number	Old Software Version	New Software Part Number	New Software Version (or higher)	SVM Code Input
Q5 TFSIe	4M0915233R	0273	4M0915233AE	0278	8CA011 + 8CA011KONF
		0274			
A7 TFSIe	4K0915233	0275	4K0915233A	0278	
	4M4915233B	0371	4M4915233J	0373	



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Warranty

Claim Type:	If the vehicle is outside any warranty, this Technical Service Bulletin is informational only.		
Service Number:	9327		
Damage Code:	0040		
Labor Operations:	Software Update	0151 0000	Time stated on the diagnostic protocol
Diagnostic Time:	GFF	No allowance	0 TU
	Charge battery	2706 8950	See SRT with associated operations
	Road test prior to service procedure	No allowance	0 TU
	Road test after service procedure	No allowance	0 TU
Claim Comment:	As per TSB 2068630/4		

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.

Additional Information

All part and service references provided in this TSB (**2068630**) 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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