



Technical Service Bulletin

93 Red battery symbol, DTC P0B1300, P33F000, or U059B00 is stored in the hybrid battery management module

93 22 88 2068491/1 November 15, 2022.

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

Condition

Customer states:

- In the instrument cluster, the red battery symbol is shown with the text “Electrical system: fault. Safely stop vehicle” (Figure 1).
- After switching the ignition off and then on again, the warning lamp is off and the vehicle works again.



Figure 1. Red battery symbol.

Workshop Findings:

- The following DTC is stored in the hybrid battery management module, J840 (address word 008C):

DTC P0B1300 (Hybrid/HV battery current measurement sender 1/2 variation) with symptom code 14348.

This TSB applies if one of the following DTC Combinations is logged in the hybrid battery management module, J840 (address word 008C):

DTC	Description	DTC #2
P0B1300	Only entry in 008C	none
P0B1300	In combination with	P33F000
P0B1300	In combination with	U059B00



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The TSB **does not apply** if other DTCs in addition to the above combinations are logged in the hybrid battery management module, J840 (address word 008C). In this case, continue diagnosis outside of the TSB



Note:

According to Guided Fault Finding, the switching unit for high-voltage battery should be replaced.

However, replacing the part will not solve the problem.

Technical Background

There are certain issues with the internal communication between the switching unit electronics and the power/voltage sensor.

Production Solution

Not applicable.

Service

This TSB replaces Pending Service Solution (PSS) 2062211/8: *PSS 93 Red battery symbol, DTC P0B1300 is stored in the hybrid battery management module* for Model Year 2022 Q5 e quattro.

If the above condition applies to the vehicle the Hybrid Battery Management software part number and version must be checked

Using ODIS identify the hybrid battery regulation control module (J840) address word 008C (Figure 1).

- If the software part number *is* 4M4915233G with version 0371 continue with this TSB and perform the SVM update below



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- If the software part number *is not* 4M4915233G with version 0371 please see the open PSS for this topic PSS 2062211. The example below (Figure 2) shows a software part number that would require the PSS and the TSB would not apply.

Address: 008C System name: 8C - Hybrid Battery Management

	Identification:	
	Data source:	Vehicle
	Hardware part number:	4M0915233C
	Part number:	4M0915233AE
	Hardware version number:	H08
	Software version number:	0278

Figure 2. Hybrid Battery Management software and version

SVM Update Instructions

1. Follow all instructions in TSB 2011732: *00 Software Version Management (SVM), operating instructions*.
2. Update the Hybrid Battery Management control unit (J840) using the SVM action code as listed in the table below, if necessary:



Note:

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



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Warranty

Claim Type:	• 110 up to 48 Months/50,000 Miles. • G10 for CPO Covered Vehicles – Verify Owner. • If the vehicle is outside any warranty, this Technical Service Bulletin is informational only.		
Service Number:	9327		
Damage Code:	0039		
Labor Operations:	Software Update	0151 0000	Time stated on diagnostic protocol 60 TU
Diagnostic Time:	GFF	0150 0000	Time stated on diagnostic protocol (Max 20 TU)
	Road test prior to service procedure	No allowance	0 TU
	Road test after service procedure	No allowance	0 TU
Claim Comment:	As per TSB 2068130/1		

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.



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Additional Information

All part and service references provided in this TSB (**2068130**) 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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