

Technical Service Bulletin



97 Reduced power "Electrical system: fault" or "Drive system: fault" appears: P068500, P068A00, P1BEF00, B158131 P0C4700
97 23 97 2070566/1 June 6, 2023.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
Q4 e-tron, and Q4 e-tron Sportback	2024	All	Not Applicable

Condition

Customer states:

Customer states there is an electrical system warning, drive system warning and/or the vehicle has reduced power.

Workshop findings:

The following DTC's are stored statically in the modules below.

Engine electronics, J623 (address word 0001):_

- **DTC P068500:** EMC/PCM Power Relay Control Circuit Open.
- **DTC P068A00:** Main relay opens too early.
- **DTC P1BEF00:** High-voltage battery heater control module, high-voltage open-circuit detection not possible.

Hybrid battery management control unit J840 (diagnostic address 008C):

- **DTC B158131:** HV heater control module, no signal.
- **DTC P0C4700:** Hybrid/EV Battery Pack Coolant Pump "A" Control Circuit/Open.

Technical Background

Insufficient sealing to splice point J1 "positive connection (30) in main wiring harness".

Production Solution

Optimized sealing to splice point J1 in production.

Service



If the above DTC's are present, inspect splice point J1 within the main wiring harness indicated by the yellow circle (Figure 1).



Figure 1: J1 splice point location.

If splice point J1 is corroded as seen in Figure 2, repair the splice point using the following steps.



Figure 2: Corrosion found at splice point J1.



Unpin the affected contacts (red circles, Figure 3) in fuse holder SB using **VAS 1978/18**.

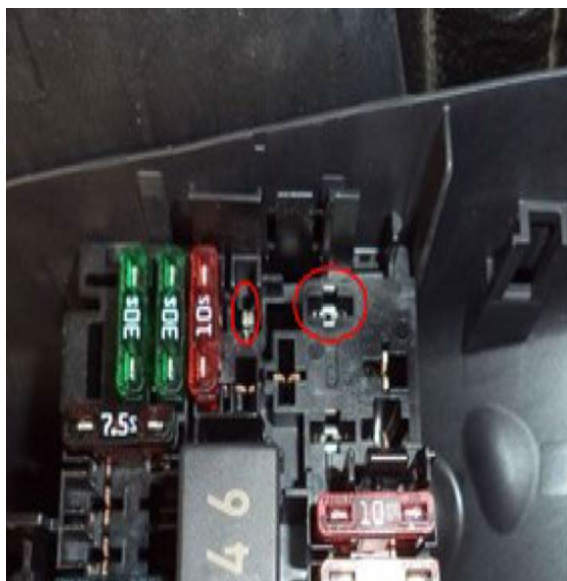


Figure 3: Fuse block SB pins to remove.

Fit the repair wiring harness **10A998110** (Figure 4) to the fuse block.

Repair junction point J1 using wiring harness repair set **VAS 1978 B/C**.

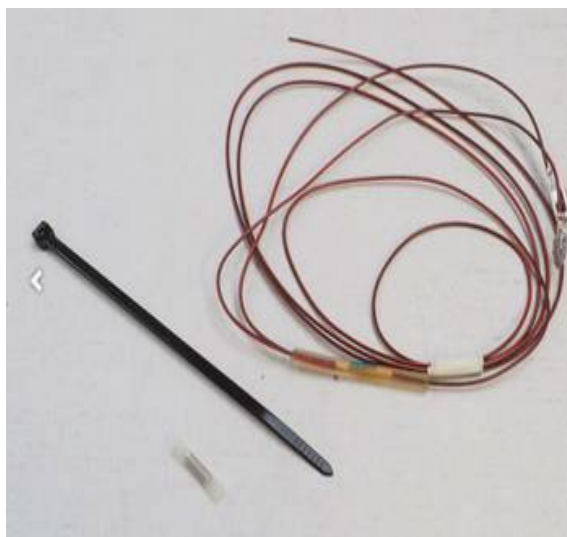


Figure 4: Repair kit 10A998110



The corroded wire **MUST** be cut back until the wires are clean and shiny (Figure 5).

It may be necessary to lengthen or replace the corroded wire(s).

Connect the repair wiring kit **10A998110** to the harness. Use the crimp connector included in the repair kit. Shrink the crimp connector so that the connection is sealed.



Figure 5: Clean wire stripped back at J1 splice point.

Wrap fabric adhesive tape **N 10729001** around the wiring harness and secure the cable tie supplied (Figure 6).



Figure 6: Completed repair.

Warranty

Claim Type:	• 110 Up to 48 Months/50,000 Miles. • G10 for CPO Covered Vehicles – Verify Owner.
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Technical Service Bulletin



	If the vehicle is outside of any warranty, this Technical Service Bulletin is informational only.		
Service Number:	9713		
Damage Code:	0033		
Labor Operations:	Modify wiring harness in engine compartment	9713 4999	40 TU
	Repair wiring harness	9709 4151	See SRT with associated operations
	Deactivate and activate high-voltage system	9310 8350	See SRT with associated operations
Diagnostic Time:	GFF	0150 0000	Time stated on the diagnostic protocol (Max 100 TU)
	Road test prior to the service procedure	No allowance	0 TU
	Road test after the service procedure	0121 0004	10 TU
Claim Comment:	As per TSB 2070566/1		

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.

Required Parts and Tools

Always check with your Parts Department and/or ETKA for the latest information and parts bulletins.		
Part Number	Part Description	Quantity
See ETKA	Fasteners, Bolts, Nuts, and Screws as needed per the Repair Manual	See ETKA/ELSA
10A998110	Repair kit	1
N 10729001	Fabric adhesive tape	.3

Additional Information



All parts and service references provided in this TSB (**2070566**) are subject to change and/or removal.

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