

**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.

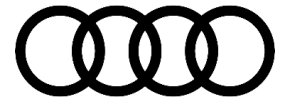
## Technical Background

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.

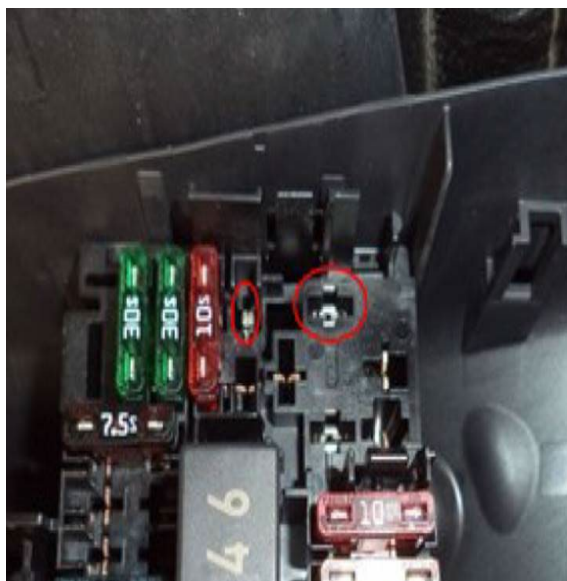
If splice point J1 is corroded as seen in Figure 2, repair the splice point using the following steps.



**Figure 2:** Corrosion found at splice point J1.



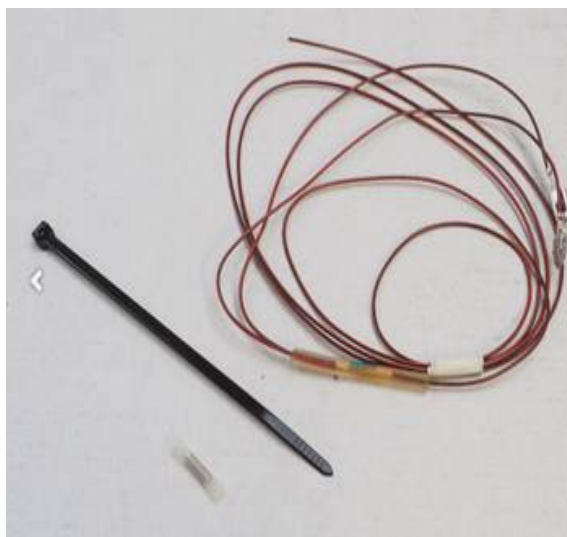
Unpin the affected contacts (red circles, Figure 3) in fuse holder SB using **VAS 1978/18**.



**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).

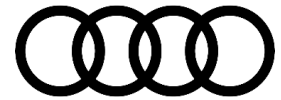


*Figure 6: Completed repair.*

## Warranty

<b>Claim Type:</b>	<ul style="list-style-type: none"><li>• 110 Up to 48 Months/50,000 Miles.</li><li>• G10 for CPO Covered Vehicles – Verify Owner.</li></ul>
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# Technical Service Bulletin



	<ul style="list-style-type: none"> <li>If the vehicle is outside of any warranty, this Technical Service Bulletin is informational only.</li> </ul>		
<b>Service Number:</b>	9713		
<b>Damage Code:</b>	0033		
<b>Labor Operations:</b>	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
<b>Diagnostic Time:</b>	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
<b>Claim Comment:</b>	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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