



# Technical Service Bulletin

## 93 Q4 e-tron - yellow electrical system warning lamp B1581F4 / B168A00

93 24 64 2074258/1 July 1, 2024.

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

## Condition

 **NOTICE**

This TSB only applies if the following applies to the hybrid battery management control unit (diagnostic address: 008C):

- Event memory entry/entries (B168A00 and/or B1581F4) are logged (passive, intermittent) and
- Sub-bus system “J848 HV-PTC” (high-voltage heater Z132) has software version number 0020.

### Customer statement:

- The yellow electrical system warning lamp is lit up in the display and operating unit with the warning text “Electrical system: fault. Please contact workshop”.

### Workshop findings:

- The customer statement can be reproduced.

At least one of the following two event memory entries is logged (**passive, intermittent**) in hybrid battery management control unit (diagnostic address 008C):

- B168A00: HV heater
  - Symptom 42504

**and/or**

- B1581F4: HV heater control module High-voltage too low
  - Symptom 42773

## Technical Background

Not applicable.



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## Production Solution

Not applicable.

## Service

1. Check event memory entries in hybrid battery management control unit (diagnostic address 008C)
2. Check software version number of sub-bus system “J848 HV-PTC” (high-voltage heater Z132)
3. If necessary: replace high-voltage heater Z132

### *For 1: Check event memory entries in hybrid battery management control unit (diagnostic address 008C)*

- Check whether one or both of the following event memory entries are logged (passive/intermittent).
  - B168A00: HV heater (symptom 42504)  
*and/or*
  - B1581F4: HV heater control module High-voltage too low (symptom 42773)
- If so, continue with “For 2”.
- If not, this TSB does not apply.

### *For 2: Check software version number of sub-bus system “J848 HV-PTC” (high-voltage heater Z132)*

- Perform → [Guided Fault Finding](#) and then send the diagnostic log online.
- Open the diagnostic log for → [Guided Fault Finding](#) that you sent in the **diagnostic log** in GFF Paperless.
- Open diagnostic address 008C under “**System test**”.
- Check whether the sub-bus system “J848 HV-PTC” (high-voltage heater Z132) has **software version number 0020** (refer to figure 1, marked in yellow).



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Adresse: 008C Systemname: 008C - Hybrid Batteriemangement Protokollvariante: UDS/ISOTP

## Identifikation:

Subsysteme:

Subbussystem

Hardware Teilenummer: 1EE963231

Teilenummer: 1EE963231

Hardware Versionsnummer: H04

Software Versionsnummer: 0020

Fertigungsdatum:

Codierung: -

Flashbarkeit: unbekannt

Systembezeichnung: J848 HV-PTC

ASAM 2D/ODX-Datensatz: EV\_BMCeVWBSMEB

ASAM 2D/ODX-Datensatz-Version: 003016

verw. ASAM/ODX SG-Variante: EV\_BMCeVWBSMEB\_003

Subbussystem

**Figure 1:** Example of software version number (0020) of sub-bus system “J848 HV-PTC” (high-voltage heater Z132) in diagnostic log

- If so, continue with “For 3”.
- If not, this TSB does not apply.

### For 3: If necessary: replace high-voltage heater Z132

#### NOTICE

**The control unit for high-voltage heater Z132 cannot be flashed/updated!**

- Replace high-voltage heater Z132 according to the → [Workshop Manual/parts catalogue](#).

#### NOTICE

**Please make sure that the new high-voltage heater Z132 has software version number 0026 (or higher)!**

- The software version number is indicated on the label/embossing (refer to figure 2, yellow arrows).



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- The Genuine Parts department in Kassel now only supplies high-voltage heaters Z132 with software version number 0026 (or higher).



**Figure 2.** Example of software version number (0026) on label/embossing on high-voltage heater Z132

## NOTICE

The test plan must be completed in full!

## NOTICE

If the measure described above does not rectify the complaint, please contact your responsible Product Support representative via a technical repair query. Please write the number of this TSB (2074258) in the field for additional information on workshop findings. This allows the internal department to identify the connection to this TSB quickly.

## Warranty

|                 |                                                                                                                                                                                                                                                        |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Claim Type:     | <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><li>• If the vehicle is outside of any warranty, this Technical Service Bulletin is informational only.</li></ul> |
| Service Number: | 9311                                                                                                                                                                                                                                                   |



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|                          |                                                                            |           |                                        |
|--------------------------|----------------------------------------------------------------------------|-----------|----------------------------------------|
| <b>Damage Code:</b>      | 0040                                                                       |           |                                        |
| <b>Labor Operations:</b> | Remove and install heater element for HV component (If heater is replaced) | 9311 1960 | See SRT with associated operations     |
| <b>Diagnostic Time:</b>  | GFF                                                                        | 0150 0060 | Time stated on the diagnostic protocol |
|                          | GFF (If heater is not replaced)                                            | 0150 0010 | See SRT with associated operations     |
| <b>Claim Comment:</b>    | As per TSB 2074258/1                                                       |           |                                        |

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.

## Additional Information

All part and service references provided in this TSB (**2074258**) 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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