



# Technical Service Bulletin

## 93 e-tron GE various warning messages in the cluster, electric motor leaking P0AA600

93 25 52 2073858/6 January 23, 2025. Supersedes Technical Service Bulletin Group 93 number 24-46 dated December 19, 2024 for reasons listed below.

| Model(s)  | Year                | VIN Range | Vehicle-Specific Equipment |
|---|---------------------|-----------|----------------------------|
| e-tron  | 2019<br>2021 – 2023 | All       | Not Applicable             |
| e-tron Sportback  | 2020 – 2023         |           |                            |
| Q8 e-tron, Q8 Sportback e-tron, S Q8 e-tron, and SQ8 Sportback e-tron | 2024 – 2025         |           |                            |

### Condition

| REVISION HISTORY |            |  |
|------------------|------------|--|
| Revision         | Date       | Purpose  |
| 6                | -          | Revised title (Updated title)                    |
| 5                | 12/19/2024 | Revised <i>Service</i> (Updated measure)         |
| 4                | 11/07/2024 | Revised <i>Warranty</i> (Added labor operations) |

### Customer states:

- A Drive System/Electrical System Malfunction message (Figure 1) appears in the in the instrument cluster; the warning may not be present at the time of inspection.



Figure 1. Warning lamp associated with message.

### Workshop findings:

The following DTC is stored in the *Battery manager control module -J840-*, (address word 008C):

- Hybrid/EV Battery Voltage System Isolation.



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and/or

- During a workshop visit, an internal leak (e.g., coolant drip container is full; coolant leaking from active chamber on front or rear axle) has been determined on the electric drive motor.

## Technical Background 1

Electric drive motor damaged due to internal coolant leak.

## Production Solution

Not applicable.

## Service

**Check coolant leak and localize the source of the leak:**

**Only if the following information is given can it be assumed that the **electric drive motor is damaged** due to an internal coolant leak:**



**In this case, check the seal on the coolant expansion tank beforehand and re-secure it after performing any required work. Vehicles should never be operated without a correctly filled cooling system.**

**Rear axle (Figure 2):**

Drip container is overflowing:

Coolant leaking from active chamber.

Drip container is empty:

Coolant leaking from active chamber, particularly on vehicles with low mileage.



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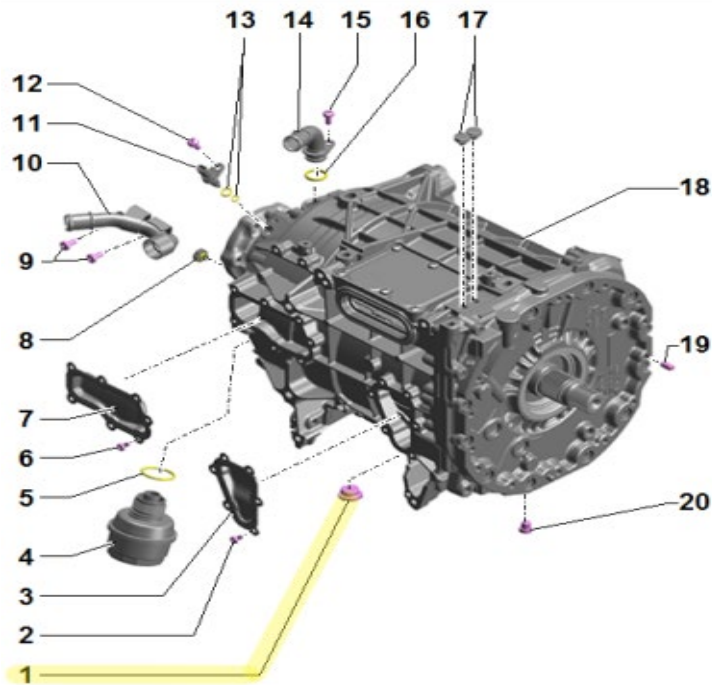


Figure 2: (1) Drain plug.

## Front axle (Figure 3):

Coolant leaking from active chamber.

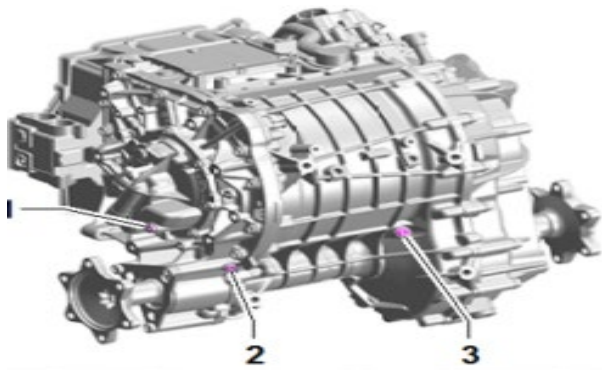


Figure 3: 1) Resolver cover: A few milliliters of coolant leakage is not an issue from a technical perspective. 2) Active chamber: No coolant may escape from the bores.

## **Caution:**

**The power electronics must not be replaced if the electric drive motor is leaking.**



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If the power and control electronics for electric drive must be replaced as a group, then this must be billed separately (see warranty accounting instructions).

## Warranty

|                          |   |           |                                    |
|--------------------------|---|-----------|------------------------------------|
| <b>Claim Type:</b>       | <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>   | 9340 (If front electric drive motor was replaced)   |           |                                    |
| <b>Damage Code:</b>      | 0050  |           |                                    |
| <b>OR</b>                |   |           |                                    |
| <b>Service Number:</b>   | 9346 (If rear electric drive motor was replaced)  |           |                                    |
| <b>Damage Code:</b>      | 0050  |           |                                    |
| <b>OR</b>                |   |           |                                    |
| <b>Service Number:</b>   | 9350 (If the power and control electronics for electric drive were replaced; this must be billed separately)  |           |                                    |
| <b>Damage Code:</b>      | T055  |           |                                    |
| <b>Labor Operations:</b> | Check electric drive motor for front axle for leaks   | 9340 0199 | Bill according to time required    |
|                          | Check electric drive motor for rear axle for leaks  | 9346 0199 | Bill according to time required    |
|                          | Replace front drive motor   | 9340 55xx | See SRT with associated operations |
|                          | Replace electric drive motor for rear axle  | 9346 55xx | See SRT with associated operations |
|                          | Replace 2 electric drive motors for rear axle, e-tron S   | 9346 56xx | See SRT with associated operations |
|                          | Replace front power and control electronics for electric drive  | 9350 5599 | 80 TU                              |



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|                       |   |              |  |
|-----------------------|---|--------------|--|
|                       | Replace rear power and control electronics for electric drive             | 9350 5599    | 80 TU                                  |
|                       | Replace 2 rear power and control electronics for electric drive, e-tron S | 9350 5699    | 110 TU                                 |
|                       | Deactivate and activate the high-voltage system                           | 9310 835X    | See SRT with associated operations     |
|                       | Charge battery  | 2706 8950    | See SRT with associated operations     |
|                       | GFF   | 0150 0060    | Time stated on the diagnostic protocol |
|                       | <del>Test drive before the</del>  | No Allowance | 0 TU                                   |
|                       | Section may remain blank.<br>e service procedure                          |              |  |
|                       | Test drive after the service procedure                                    | 0121 0004    | 10 TU                                  |
| <b>Claim Comment:</b> | As per TSB 2073858/6  |              |  |

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 parts and service references provided in this TSB (**2073858**) are subject to change and/or removal.

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