

**Condition**

Model(s)	Year(s)	VIN Range	Vehicle Specific Equipment
A8 and Q8	2019 – 2026	All	With PR Code: 9G8
A6, and A7	2019 – 2025		
A6 allroad, and Q7	2020 – 2026		
S8	2020 – 2022		
A8 e quattro	2020 - 2021		

REVISION HISTORY		
Revision	Date	Purpose
18	-	Revised header (Added model years) Revised <i>Condition</i> (Added model table) Revised <i>Warranty</i> (Updated labor operations)
17	07/30/2025	Revised <i>Service</i> (Updated information on repair)
16	03/04/2025	Revised <i>Additional information</i> (Updated reference TSB)

**Customer states:**

- The message “Electrical system: malfunction! Please contact Service” is displayed on the instrument cluster (Figure 1), in addition the battery symbol lights up in yellow or red.
- Yellow warning lamp related to the electrical system shown in the instrument cluster during driving.



**Figure 1.** Cluster Warning Message.

### Workshop findings:

The following DTC is stored in the ECM, J623 (address word 0001):

- **DTC U046900:** Invalid data received from starter/generator control module (symptom 36564).



#### NOTICE

**Take note of the symptom 36564, if this is not present this TSB does not apply.**

## Technical Background

1. Hardware issue with belt-driven starter-alternator (diagnostic address 00CC).
2. Functional software issue with belt-driven starter-alternator (diagnostic address 00CC).

## Production Solution

Not Applicable.

## Service

If the complaint described above can be reproduced, then proceed as follows:

- Check if ODIS S software is the latest version, update if necessary.



#### NOTICE

**While diagnosing the 48V system ensure the 48V and 12V battery are charged properly prior to following the procedure. Also, TSB 2067906: 27 48V Reference: Charging 48V Battery with 12V Charger DTC P0A7D00 / P0B2900 must be observed, otherwise a specific diagnosis is not possible.**

In the diagnosis (not self-diagnosis), select the function test “C29 – read\_delete and attach to test plan.



#### NOTICE

**Note: Answer the question that appears in the test plan – “Are you running this program based on an instruction in a TPI?” – with YES.**

### ODIS path for A4/A5/Q7:

- Body
- Electrical system
- 01 - On Board Diagnostic capable systems
- CC - starter-alternator -C29
- CC - Functions
- 00CC – Check/erase event memory entry

### ODIS path for A6/A7/A8/Q8:

- Diagnostic capable system
- 00CC - starter alternator -C29
- 00CC - Functions
- 00CC – Check/erase event memory entry

If the following DTC is shown in ODIS, replace the starter-alternator according to ETKA and check whether the complaint has been resolved:

- **B200096** – Faulty control module (active/static or passive/intermittent).



If the DTC is not stored in the test plan, then the generator is not faulty and replacing parts will not fix the problem.

For invoicing under warranty, the above-mentioned DTC “B200096 – control unit defective” must be present in the ODIS test plan “C29 – Read\_Delete DTC” in the diagnostic log.

**Important information on repair (replacement of belt-driven starter-alternator):** risk of damage to radiator outlet coolant temperature sender G83 (future follow-up complaints may arise months later) or communication problems with new belt-driven starter-alternator due to coolant entering the electrical connector. Coolant entering the electrical connector can lead to delayed subsequent corrosion damage to the electrical contacts.

Seal the electrical connectors on the coolant temperature sender, the mating connector and the signal connector to belt-driven starter-alternator with leak-tight connector -T40348- or suitable workshop materials. Visually inspect components for moisture before assembly and clean electrical contacts if necessary.



**Note on working aid for the required function checks in the event that the belt-driven starter-alternator needs replacing:**

The file “Working aid for necessary functional tests” which is attached to this TSB contains the function checks in ODIS which are required for this workshop visit.

## Warranty

In the exceptional case described here, contrary to the general rules specified in the warranty handbook, proof of the inspection and servicing work carried out so far is not required for billing for the fault described.

Nevertheless, when returning the vehicle you should inform the customer of the importance of adhering to the maintenance and servicing requirements and the service intervals.

<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>	2726

<b>Damage Code:</b>	0040		
<b>Labor Operations:</b>	If Starter-alternator is <b>not</b> replaced:		
	GFF (only if starter-alternator is not replaced)	0150 0010	See SRT with associated operations
	GFF (only if starter-alternator is not replaced)	0150 0060	Time stated on the diagnostic protocol
	Check high-voltage system (48V)	9310 0199	80 TU
	Service high-voltage system (48V)	9310 4199	Please bill according to the time required
	<b>OR</b>		
	If Starter-alternator is replaced:		
	Replace starter-alternator (If required according to this TSB)	2726 19xx / 2726 55xx	See SRT with associated operations
	12V battery Charge (if starter-alternator requires replacement)	2706 8950	See SRT with associated operations
	GFF (If starter-alternator requires replacement)	0150 0060	Time stated on the diagnostic protocol
	Check high-voltage system (48V)	9310 0199	80 TU
	Service high-voltage system (48V)	9310 4199	Please bill according to the time required
<b>Claim Comment:</b>	As per TSB 2058831/18		

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.

Please note the information on predecessors and items that are included and excluded in the repair operations, as well as any associated tasks.

## Required Parts and Tools

Exchange parts must be installed if available in the exchange program. If a new part is installed instead of an exchange part in justified cases, the reason for this must be given in the comment field in SAGA/2.

## Additional Information

The following Technical Service Bulletin will be necessary to complete this procedure:

- TSB 2067906: 27 48V Reference: *Charging 48V Battery with 12V Charger DTC P0A7D00 / P0B2900.*

All part and service references provided in this TSB (**2058831**) 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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