



# Technical Service Bulletin

93 "Electrical system: Malfunction! Safely turn off vehicle" is in the cluster, DTC P0AC000 is stored in battery module

93 20 24 2059309/1 April 23, 2020.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
Q5	2020	All	TFSI e

## Condition

### Customer states:

- When the "ignition" is switched on, a red warning light appears and the vehicle cannot be moved.
- In the instrument cluster, the red battery symbol (Figure 1) with the text "electrical system: Malfunction! Safely turn off vehicle" is shown.
- After turning the car off and then on again, the warning light usually goes out and the vehicle works properly again.



Figure 1. Red battery symbol.

### Workshop findings:

The following DTC is stored in the battery regulation control module, J840 (address word 008C):

- **DTC P0AC000** (encoder 1 for current measurement hybrid/high-voltage battery, implausible signal).
- According to Guided Fault Finding the BJB (Battery Junction Box – SX6) should be replaced but the replacement is not effective.



### Note:

This condition is also extremely unlikely to happen again.

## Technical Background

The internal communication between the BJB (Battery Junction Box – SX6) electronics and the current/voltage sensor is under extremely unusual conditions and registers as inaccurate.

## Production Solution

Not applicable.



# Technical Service Bulletin

---

## Service

The TSB applies if in the battery regulation control module, J840 (address word 008C) one of the following DTC combinations is logged:

DTC	Combination/Not	Other DTC	Instructions
P0AC000	As only entry in 008C		Perform TSB
P0AC000	In combination with	P33F000	Perform TSB
P0AC000	In combination with	U059B00	Perform TSB

The TSB does not apply if other DTCs in addition to the DTC combinations above are logged in the battery regulation control module, J840 (address word 008C). If this is the case, the TSB does not apply standard diagnosis continues outside of this TSB.

**If this TSB applies according to the above conditions (see table), postpone the repair as no effective repair is possible at the moment.**

Parts replacement does not solve this issue. Claims for replaced parts will be subject to review.

## Warranty

This TSB is informational only and not applicable to any Audi Warranty.

## Additional Information

All part and service references provided in this TSB (2059309) 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.

**©2020 Audi of America, Inc.** All rights reserved. The information contained in this document is based on the latest information available at the time of printing and is subject to the copyright and other intellectual property rights of Audi of America, Inc., its affiliated companies and its licensors. All rights are reserved to make changes at any time without notice. No part of this document may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, nor may these materials be modified or reposted to other sites, without the prior expressed written permission of the publisher.