

Technical Service Bulletin



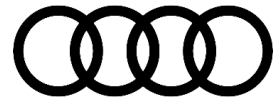
27 Battery: 12V Lead-Acid / AGM battery maintenance requirements

27 23 53 2069916/1 April 17, 2023.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
A3 Cabriolet	2018 – 2019	All	Not Applicable
RS 5, and RS 7	2018 – 2019 2021 – 2024		
A3, S3, RS 3, A4 allroad, A4, S4, A5, A5 Cabriolet, A5 Sportback, S5, S5 Cabriolet, S5 Sportback, A6, S6, A7, S7, A8, S8, Q3, Q7, R8, and R8 Spyder	2018 – 2024		
RS 5 Sportback, and e-tron quattro	2019 2021 – 2024		
Q8	2019 – 2024		
A8 e quattro	2020 – 2021		
A6 allroad, e-tron Sportback quattro, SQ7, SQ8, and RS Q8	2020 – 2024		
RS 6 Avant, A7 e quattro	2021 – 2024		
Q4 e-tron, and Q4 e-tron Sportback	2022 – 2024		
Q4 e-tron S quattro	2023 – 2024		

Condition

Workshop findings:



- The vehicle arrives at the dealership with a low state of charge of the 12V battery (A).
- The vehicle is parked for a prolonged period of time at the dealership.
- This applies only to customer vehicles.

Technical Background

12V Lead-acid or AGM battery's performance can degrade rapidly when not properly maintained, including permanently damaging the battery when stored for a prolonged period of time below a certain minimum state of charge (SoC) (<80%).

Therefore, proper battery maintenance is required when the vehicle arrives for service or is parked for a prolonged period of time in order to prevent unnecessary battery replacement and to not degrade the lifetime or performance of the battery.

Production Solution

Not Applicable

Service

If a vehicle is expected to be parked at the dealership for a prolonged period of time, the following steps can be taken to ensure that the 12V battery (A) is not damaged during that time period:

1. Fully charge the 12V battery (A) before the vehicle is parked for a prolonged period of time.
2. Check the battery's state of charge (SoC) every 30 days. If the SoC is below 80%, charge the 12V battery fully.

To determine the Battery's SoC value, either one of the following two procedures can be chosen:

- a. Activate transport mode via ODIS special functions before the vehicle is parked, and deactivate it when the vehicle is returned to service.

To activate/deactivate transport mode, run the test plan *19 – Transport mode activating/deactivating* under special functions in ODIS (see *Figure 1*).

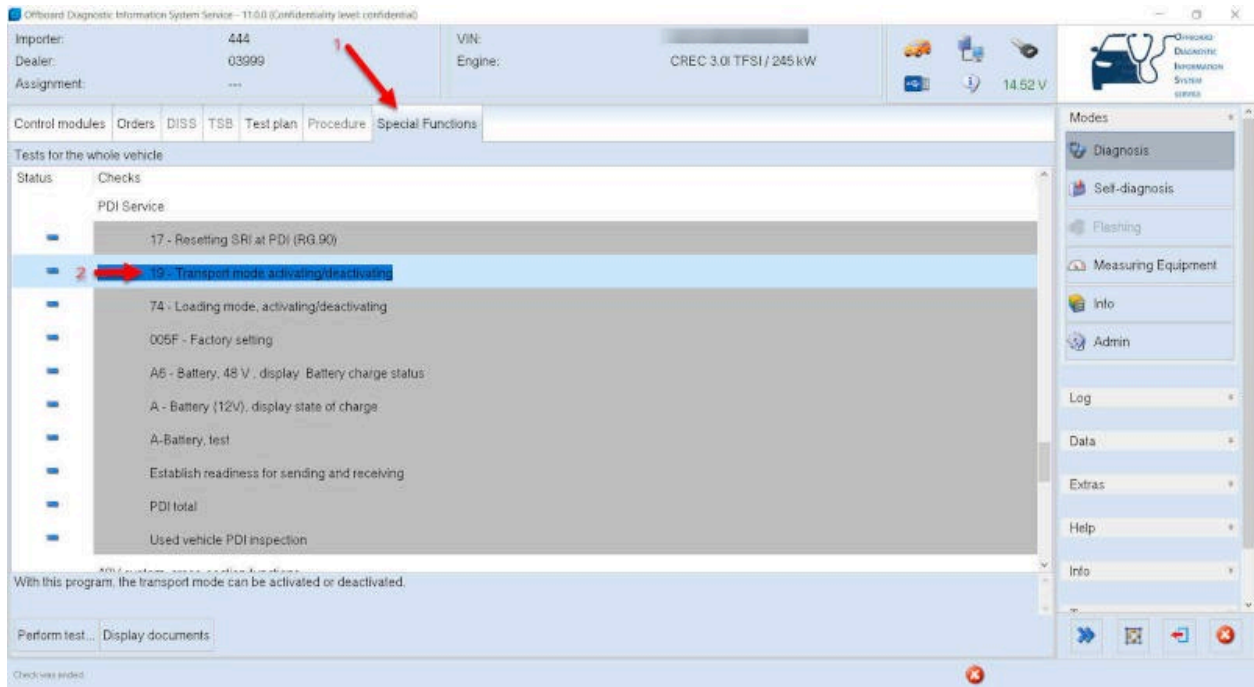


Figure 1: Activate/Deactivate transport mode with ODIS.

This will cause the vehicle to display the current state of charge of the 12V battery (A) on the instrument cluster every time the ignition is turned off (see Figure 2).



Figure 2: SoC display in transport mode.

OR

- b. The current battery SoC can be read via ODIS:



Under Control Modules, select 0019 – Data Bus OBD Interface > Guided Functions > 19 – Read measuring values (see Figure 3).

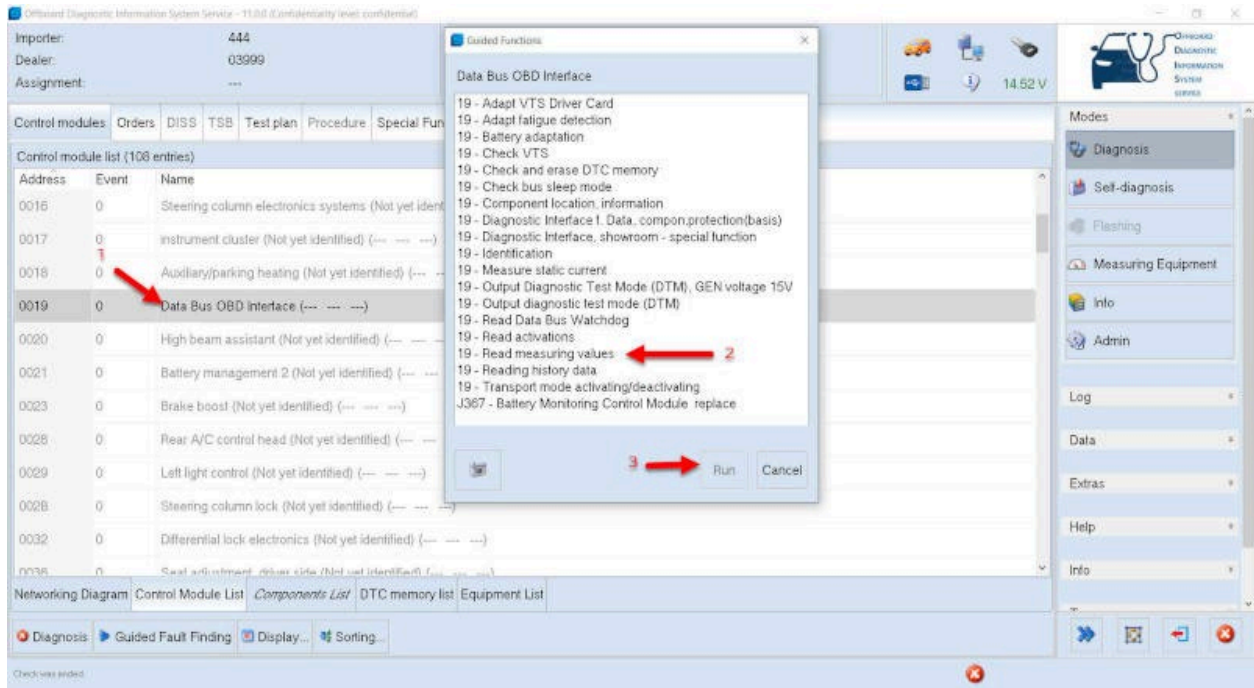


Figure 3: GFF 19 – Read measuring values.

What measuring value do you want to read - select option 2 – Measuring values for battery, generator, energy management, and others.

IDE01839 – Battery charge level (see Figure 4)

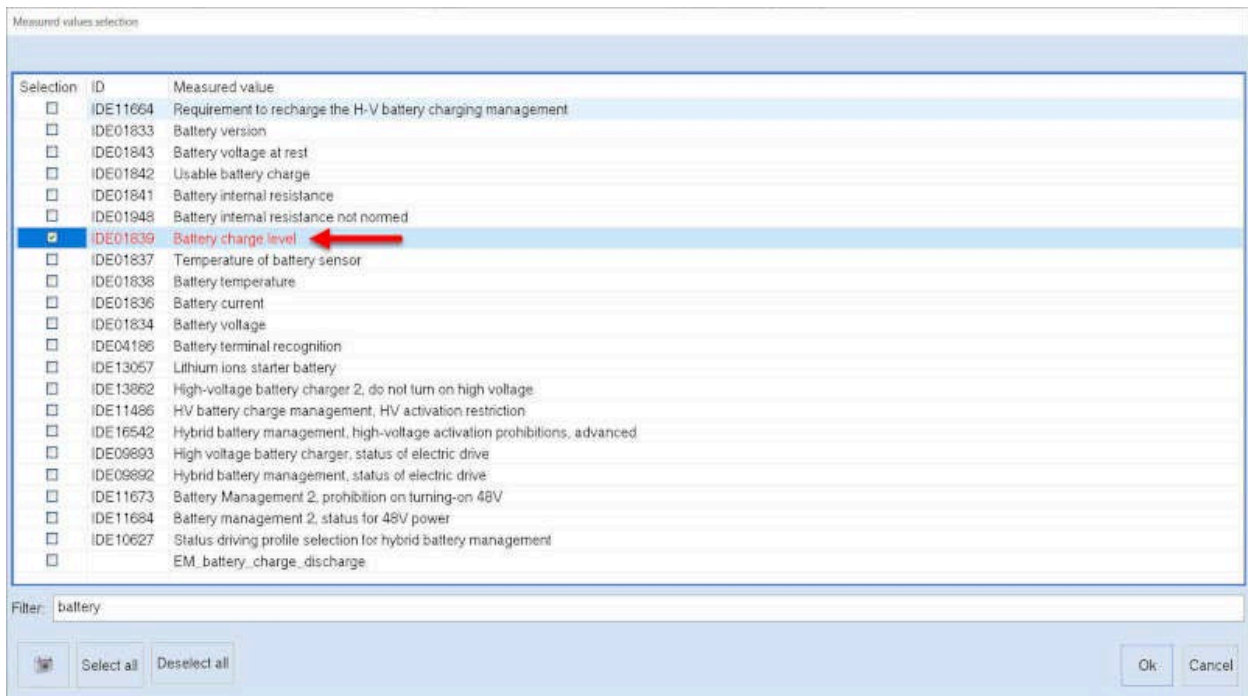


Figure 4: Measured value

NOTICE

Replacing a vehicle battery that has become defective due to insufficient SoC while the vehicle is in the care of a dealership is not covered under warranty if the aforementioned checks have not been performed.

Warranty

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

Additional Information

All part and service references provided in this TSB (**2069916**) 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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