



SIB 61 13 19

2019-09-05

## SERVICE ACTION: CHECKING THE DUAL STORAGE SYSTEM AND REPLACE IF NECESSARY

Please perform the procedure outlined in this Service Information on all affected vehicles before customer delivery. In the event the customer has already taken delivery of the vehicle, please perform the procedure the next time the vehicle is in the shop.

### MODEL

E-Series	Model Description	Production Date
G05	X5 Sports Activity Vehicle	June 15, 2018 to August 8, 2019
G07	X7 Sports Activity Vehicle	June 15, 2018 to August 8, 2019
G12	7 Series Sedan	June 15, 2018 to August 8, 2019
G14	8 Series Convertible	June 15, 2018 to August 8, 2019
G15	8 Series Coupe	June 15, 2018 to August 8, 2019
G20	3 Series Sedan	June 15, 2018 to August 8, 2019
G29	Z4 Roadster	June 15, 2018 to August 8, 2019

### AFFECTED VEHICLES

Vehicles which require this Service Action to be completed will show it as "Open" when checked either in AIR, the "Service Menu" of DCSnet (Dealer Communication System) or with the Key Reader.

### SITUATION

In the event of an accident, the two-battery Dual Storage System (DSS) is disconnected from the electrical system via an internal relay. In some cases, the relay is stuck closed and a fault is set. In these circumstances-

- A crash shutdown of the DSS does not occur
- The power distribution box is supplied with power until the DSS is fully discharged

### CAUSE

Failure of the DSS internal relay.

### CORRECTION

Check the DSS with ISTA 4.19.1x (released early September 2019) or higher, and only replace battery if stated by test plan.

Note: The battery replacement rate is estimated at 1%.

### PROCEDURE

1. Connect a battery charger to the vehicle.
2. Perform a vehicle test using ISTA 4.19.1x or higher.
3. Perform the following test plan "ETS test of lithium-ion storage". The test plan will activate the relay 100 times and then display the results.
4. The test plan can be accessed via the following path:

*Vehicle management / Service functions / Body / Voltage supply / Dual storage system ETS check*

5. The results of the test plan will either state "ETS functional, test concluded successfully" which means the battery is good and no further action is needed, or the "ETS functional, test failed" which means the battery needs to be replaced.

6. If the results of the test plan state the test failed and the battery needs to be replaced, replace the DSS as per repair instructions 61 21 004.

7. Register the replacement DSS with ISTA.

Always connect a BMW-approved battery charger/power supply (SI B04 23 10) when performing diagnosis.

Note: The repair instructions for G12 (7 Series) will not be available until ISTA 4.20 (November; pending verification). Refer to G29 (Z4) repair instructions 61 21 604 until they are available.

## **PARTS INFORMATION**

<b>Part Number:</b>	<b>Description:</b>	<b>Quantity:</b>
61 21 9 442 935	12-V Lithium dual storage system	1
Or:		
61 21 9 857 516	12-V Lithium dual storage system	1

**Performing a part number look-up in ETK or AIR by VIN or model in place of using/invoicing the part numbers above in this bulletin may result with the wrong parts being invoiced and installed.**

Note: Other small parts such as screws, nuts and seals, which must be replaced according to the repair instructions, must be selected from ETK and invoiced under this Service Action.

## **WARRANTY INFORMATION**

Reimbursement for this Service Action will be via normal claim entry utilizing the following information:

<b>Defect Code:</b>	<b>0061180500</b>
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**Completion before the first vehicle delivery to a customer or the vehicle is already in the workshop.**

<b>Work Pkg</b>	<b>Labor Operation</b>	<b>Description (Plus work)</b>	<b>Labor Allowance</b>
# 1	00 68 617	Checking 12V dual storage system (Auxiliary battery) (No replacement is necessary)	6 FRU
Or:			
# 2	00 68 618	Checking and replacing 12V dual storage system (Auxiliary battery) (Including battery change registration)	Refer to AIR

Or:

**The vehicle arrives at your center and this Service Action shows open (No other Main work will be performed/claimed during this workshop visit)**

<b>Work Pkg</b>	<b>Labor Operation</b>	<b>Description (Main work)</b>	<b>Labor Allowance</b>
# 3	00 68 089	Checking 12V dual storage system (Auxiliary battery) (No replacement is necessary)	8 FRU
Or:			
# 4	00 68 090	Checking and replacing 12V dual storage system (Auxiliary battery) (Including battery change registration)	Refer to AIR

**Claim Repair Comments**

Unless additional related/in conjunction work was required (not addressed and/or included in one of the options provided above), then only reference the SIB number and the work package (Pkg) number performed in the RO technician notes and in the claim comments (For example: B61 13 19 WP 1), unless otherwise required by State law.

And, as applicable:

**Alternative Mobility Solution (AMS) for Vehicle Owners (RO and Claim Comments Required)**

This Service Action repair qualifies for Alternative Mobility Solution (AMS) expense reimbursement, claim this item under the Defect Code noted above as follows:

Sublet Code 2 - Itemize the AMS sublet amount on the repair order and in the claim comment section.

Please refer to SI B01 29 16 for additional information.