

 Connection offline

Field campaign

Topic	Software Update For HV Battery Management Controller Bentayga Hybrid 23MY (RE25/46)
Market area	Bentley: worldwide (2WBE),China 796 VW Import Comp. Ltd (Vico), Beijing (6796)
Brand	Bentley
Transaction No.	2080135/1
Campaign number	RD74
Note	
Type	
US code	

Vehicle data

23MY Bentayga

Sales types

Type	MY	Brand	Designation	Engine code	Gearbox code	Final drive code
4V1*	2023	E		*	*	*

Documents

Document name
master.xml
re2546vinlist.pdf

RD74

Transaction No.:

2080135/1

Software Update For HV Battery Management Controller | Bentayga Hybrid |
23MY (RE25/46)

Release date: 8 Jan 2026

Notes

 **Repair instructions**

Technical background

On certain 23MY Bentley PHEV vehicles produced within a defined manufacturing period (23/02/23 and 15/12/23), a defect may be present in the cell modules of the 48Ah High Voltage Battery. If such a defect is present, it may pose a fire risk during high voltage battery charging.

Remedy

A software update must be performed on the affected vehicles. The instructions within the 'Work' section must be conducted to completion.

Important Notice Regarding HV Battery Diagnostics

The upcoming software update may identify potential issues with the high-voltage (HV) battery. If such an issue is detected, the Malfunction Indicator Lamp (MIL) may illuminate after a certain number of charge cycles or within approximately two weeks following the update. In these cases, the battery may require replacement of the entire unit or specific modules.

In these cases, a full technical DISS query must be raised in accordance with the procedure outlined in TPI 2080411/-.

Customer notification

Customers of affected vehicles will be notified in writing by their Bentley retailer to arrange an appointment.

Please ensure that all affected vehicles are checked and repaired at the nearest opportunity, make a note of the required action on the workshop order before it is signed by the customer.

If it is omitted to perform the work required during a workshop visit, the customer should be notified immediately.

You should also pass on this information to your new and used car sales department so that affected vehicles are checked and repaired immediately.

Warranty accounting instructions

Warranty type 710 or 790

Damage service number RD74

Damage code 00 99

Criterion ID 01

Software Update (SVM)

Labour Operation Code – 01 51 00 00

Time – As per ODIS log (must not exceed 50 TU)

Genuine parts

Not applicable

Parts supply

Not applicable

Parts despatch control

Not applicable

Questions and answers

1. What is the specific issue with the affected vehicles?

On 23MY Bentayga Hybrid vehicles, a defect may be present in the cell modules of the 48Ah HV battery.

2. What repercussions does the fault have?

Overheating of the battery modules during charging (or shortly afterwards) could lead to thermal propagation. There have been no reported issues as a result of this concern on Bentley vehicles.

3. Which vehicles are affected?

A very specific number of 23MY Bentayga Hybrid vehicles are affected, produced between 23/02/23 and 15/12/23. Other Hybrid vehicles are not affected.

4. Are all models affected by the fault?

No, based on the supplier's declared production period, this is only a very specific number of 23MY Bentayga Hybrid vehicles.

5. Can customers continue to drive the cars?

Yes, you can continue to use your vehicle, however, to avoid any potential risks we request that you temporarily do not charge the high-voltage battery using external charging sources, and do not use the vehicle's "Battery Hold" mode (please refer to Owner's Handbook), until the workshop action has been completed. The high-voltage battery in your vehicle is charged through recuperation while you are driving (energy recovery under braking). Please note that this function of the plug-in hybrid drive is not affected. We encourage all customers to arrange an appointment with their retailer as soon as possible.

6. What is the fix?

Bentley authorised retailers will install new software with improved diagnostics and early detection of HV battery cell self-discharge. This may take up to two hours to perform.

7. Do I have to make an appointment?

Yes, that's important. Customers need to contact their retailer immediately.

Repair instructions



Technical background

On certain 23MY Bentley PHEV vehicles produced within a defined manufacturing period (23/02/23 and 15/12/23), a defect may be present in the cell modules of the 48Ah High Voltage Battery. If such a defect is present, it may pose a fire risk during high voltage battery charging.

Check

Check if the vehicle is already listed as repaired in "Repair history" (in ElsaPro).

Please also refer to the "Identification" section and check if a paint identification mark is evident in the vehicle.

If the vehicle is not shown in ElsaPro as repaired, and the identification mark is not present, please conduct the instructions within the 'Work' section to completion.

Genuine parts

Not applicable

Work

Performing Software Update



CAUTION

The Bentley ODIS-S Brand Version **MUST** be at least 2.35.10 (or higher).



CAUTION

Before conducting the onward instructions, the operative **MUST** recheck the communication method in ODIS and ensure that DoIP is selected before proceeding. Within ODIS-S, perform the following:

- On the right hand side, select the "Admin" tile (Within 'Operating modes')
- Select "GFF sequence" (Within 'General information' section)
- Under the "Selection of Communication path" drop-down menu, select "Only permit DoIP communication".



CAUTION

DO NOT, UNDER ANY CIRCUMSTANCES, ATTEMPT TO CONDUCT THE SOFTWARE UPDATE VIA THE CAN NETWORK. ONLY DoIP SHOULD BE USED WHEN PERFORMING THE SVM UPDATE.



CAUTION

You **MUST ONLY** use the Diagnosis Interface VAS 6154 (WiFi Diagnostic Tool) in USB OPERATION or the CABLE-CONNECTED VAS 5055 for the reprogramming (updating) of the control units.

- If neither of these units are available, the VAS 5054 (A) may be used in USB MODE.
- DO NOT under any circumstances use a Bluetooth connection to conduct the reprogramming (updating) of any control units.

Battery Charger



CAUTION

ONLY Chargers that meet the approved specification on the Mandatory Equipment List (available on the Bentley Hub) **MUST** be used.

- The charger must be set to a mode where a **MINIMUM** of 90a is supplied to the battery during the process. Typically, this is known as ‘Power Supply Mode’ or ‘DIAG+ Mode’.
- A voltage of exactly 13.5v must be set and maintained throughout the process.
- Please refer to the manual to ensure that these requirements are met before beginning any SVM update.

Preparation Before Update



WARNING

Hybrid Vehicles use a High Voltage System and therefore **MUST ONLY** be worked on by suitable personnel



CAUTION

During the update, switch off all unnecessary consumers. For example, ventilation, seat heaters, interior illumination, exterior lights ect.

Conduct a full guided fault find of the vehicle.

Address any unknown faults **BEFORE** conducting any of the below updates.

Ensure that the correct battery charger is connected to the vehicle. – Refer to the “Battery Charger” Section above.

SVM Code Input

1. Navigate to ‘SVM – Code Input’ and enter the SVM Code.
2. Enter the SVM Code: “**4V08CSW388**”.

3. On the next screen, ensure that the SVM code displayed is correct.

4. You will be shown the communication type. This MUST be set to “DoIP”.
 - a. If “DoIP” is not selected, select option 3 until the communication type is set to “DoIP”.

5. After ensuring DoIP is selected, and a suitable battery charger is connected, select Option 1 – “Yes”.
 - a. From here, all control modules will be interrogated and the SVM action will take place.

6. Ensure that the diagnostic device remains connected for the duration of the update.

7. Follow all on-screen prompts until the program ends.

8. If you encounter any errors during the update, please raise a full Technical DISS query.
 - a. Please raise a FULL TECHNICAL DISS query.
 - b. Customer Statement: “RD74 Support”
 - c. Workshop Findings: Give a summary of the error encountered and ensure that the latest Guided Fault Finding log is submitted online.

9. After successful completion of the update, perform the following.
 - a. Turn off the ignition.
 - b. Remove all equipment from the car (Diagnostic tester/dongle, battery charger, keys).
 - c. Close all doors, windows, bonnet and boot lid.
 - d. Lock the vehicle to perform a CAN-BUS sleep (wait 15 minutes).

10. After 15 minutes, unlock and open the driver’s door. Turn on the ignition, re-connect the battery charger and diagnostic dongle.

11. Re-run guided fault finding and clear DTCs. Check for any relevant TPIs. If any of the faults present are non-sporadic, please raise a full technical DISS query with a full GFF log uploaded online stating the error encountered..

- 12 .The software update may identify potential issues with the high-voltage (HV) battery. If such an issue is detected, it could require replacement of the entire battery or specific modules within it.
In these cases, a full technical DISS query must be raised in accordance with the procedure outlined in TPI 2080411/–.

Identification

Once the applicable action has been conducted, the operative must submit a warranty claim as this will show the campaign action as complete within Elsa Pro "Repair history".

You must also the open bonnet and remove the air grille add a blue paint mark as shown below.



[▲ Repair instructions](#) [▲ Notes](#)