

Field campaign

Topic	Software Update BiL 5.3.1 v1 to v2 Continental GT/GTC 25MY (SC25/09)
Market area	Bentley: worldwide (2WBE),China 796 VW Import Comp. Ltd (Vico), Beijing (6796)
Brand	Bentley
Transaction No.	2077315/4
Campaign number	ED39
Note	
Type	
US code	

Vehicle data

25MY Continental GT & GTC

Sales types

Type	MY	Brand	Designation	Engine code	Gearbox code	Final drive code
Z23*	2025	E		*	*	*
Z24*	2025	E		*	*	*

Documents

Document name
master.xml
ed39_svm_code.pdf
ed39vinlistv3.pdf

.....

Notes



Repair instructions

Technical background

Software updates must be applied to update the vehicles Baseline.

The software update corrects the following Diagnostic trouble codes:

- P060100: High Voltage Battery (Address 008C) Internal Control Module Memory Checksum Error
- P057F00: Battery "A" State of Charge Performance, B11B300 Igniter for high voltage battery interrupt
- P0A0B00: High Voltage System Interlock Circuit Performance (HVIL).

Remedy

The instructions within the 'Work' section **must** be conducted to completion.

Customer notification

Please ensure all applicable instructions are conducted at the nearest opportunity.

Warranty

SVM Update Time

Claim type: 790 or 710

Service number: ED39

Damage code: 0066

Criteria:01

Labour Operation Code: 01 51 00 00

Time: As per ODIS log (Must not exceed 100TU)

Parts

Not Applicable

Parts supply

Not Applicable

Parts despatch control

Not Applicable

Repair instructions



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- P0A0B00: High Voltage System Interlock Circuit Performance (HVIL).

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

Parts

Not Applicable

Work

CAUTION

The Bentley ODIS-S Brand Version **MUST** be at least 2.35.1 (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 14.8v 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

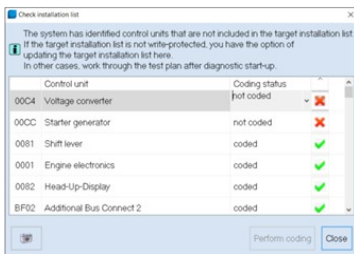
Hybrid Vehicles use a High Voltage System and therefore **MUST ONLY** be worked on by suitable personnel

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.

If a ‘Check Installation List’ pop-up appears, select ‘close’ (see below image)



Referring to TPI 2075920, address any unknown faults **BEFORE** conducting any of the below updates.

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

Obtaining Hotfix for ODIS-S

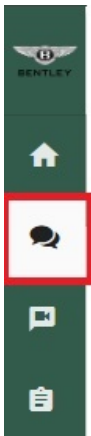
Visit <https://bentley.atheer.io/> and log in with the following case-sensitive account details.

- Username: bilupdate
- Password: Bentley123!

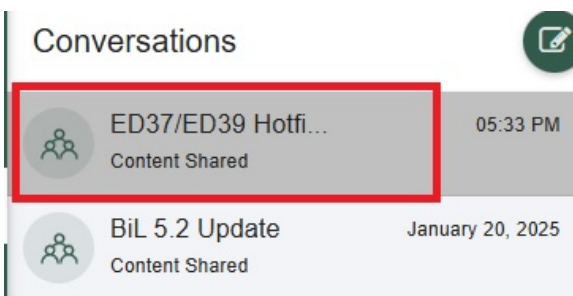
NOTICE

If you are already logged into your retailer account, you will need to logout first. To do this, click on your account initials (bottom left corner) and click “Sign Out”.

After logging in, using the navigation bar on the left hand side, click on the ‘conversations’ tab



Next, click the conversation named “ED37/ED39 Hotfix Download”



In this conversation, you will find a file named “ED37_ED39_Hotfix”. Left click the file name and download the file.

After left-clicking the files to download them, the download will take circa 5-10 minutes, do not interrupt this process. You may need to wait a short period (internet speed dependent) for the files to download.

During/before the download commences, there may be a warning about a “pop-up” being blocked which will prevent the file from downloading, ensure to select option “Allow Pop-Ups from this website” to download the file. Wording may differ depending on web browser.

Locate the download file and extract it. To do this, right click the file, click “7 zip” and then “Extract here”

After successfully downloading the file, please logout of the account.

Loading ODIS-S Hotfix

With the hotfix you have downloaded from Atheer, load the hotfix into ODIS-S. The Bentley ODIS-S Brand Version **MUST** be at least 2.35.1 (or higher).

Obtaining Correct SVM Code

Due to the intricacies behind Bentley Integration Levels (BiL), you must identify which SVM code each VIN requires.

Please find the applicable VIN on the attached "ed39_svm_code" document.

Note down the associated SVM code from the SVM Code column.

Keep note of this SVM code as you will be required to enter this into ODIS-S, later on in the procedure.

First SVM Code Input

 CAUTION
At this point, a suitable battery charger must be connected to the vehicle.

1. In ODIS-S, navigate to the "Special Functions" tab.
2. Navigate to 'SVM – Code Input' and enter the SVM code which you have obtained from the attached "ed39_svm_code" pdf.
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.
 - a. If you have a prompt stating there is no communication established with 00CC, select done/continue.

8. Follow the on-screen instructions to completion.

 NOTICE
If you receive an error code: 8088, you must follow the below instructions.

1. In ODIS-S, navigate to the "Special Functions" tab.
2. Navigate to 'SVM – Code Input' and enter the SVM code: "372A5CONFIG01"
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.
 - a. If you have a prompt stating there is no communication established with 00CC, select done/continue.
8. You may or may not encounter an error after the update.
9. Refer back to the start of "First SVM Code Input" and repeat the process to input the SVM code obtained from the attached document "ed39_svm_code".
10. Perform a whole vehicle DTC clear by exiting the current diagnostic session.
11. Perform a 15 minute CAN bus sleep.
 - 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).
12. Re-run guided fault finding and clear DTCs

High Voltage Shutdown

 WARNING
De-energise the high-voltage system via ODIS-S. Refer to ElsaPro, Repair Group 93 – "De-energising high-voltage system" to do so.

Second SVM Code Input

1. Navigate to 'SVM – Code Input'
 - a. If the vehicle is any variant of a Continental GT or GTC, enter the SVM Code: "372HVBJB01".
 - b. If the vehicle is any variant of a Continental Flying Spur, enter the SVM Code: "373HVBJB01".
2. On the next screen, ensure that the SVM code displayed is correct.
3. 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".
4. 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.
5. Ensure that the diagnostic device remains connected for the duration of the update.
6. Follow all on-screen prompts until the program ends.
 - a. If you have a prompt stating there is no communication established with 00CC, select done/continue.
7. Follow the on-screen instructions to completion.

 NOTICE
Flashing of the control module 06D0 may fail due to pre-conditions not being met. (Fig 1) – Please follow the steps below if you encounter this problem.

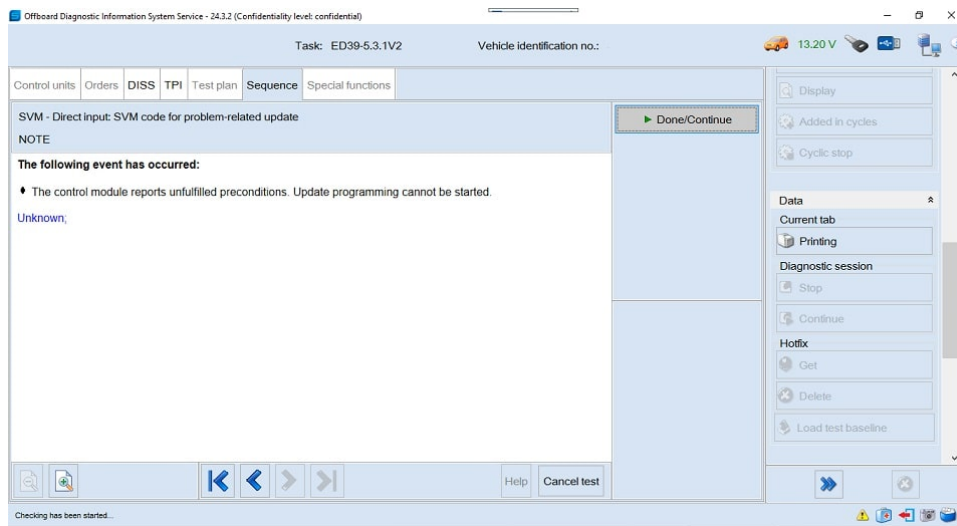


Fig 1

1. Press "Done/Continue" and then on the next screen, select Option 3: 'Cancel test programme'.
2. Perform a 15 minute CAN bus sleep.
 - 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).
3. Perform a whole vehicle DTC clear by exiting the current diagnostic session. Then, re-run guided fault finding.
4. Navigate to 'SVM – Code Input'
 - a. If the vehicle is any variant of a Continental GT or GTC, enter the SVM Code: "372HVBJB01".
 - b. If the vehicle is any variant of a Continental Flying Spur, enter the SVM Code: "373HVBJB01".
5. On the next screen, ensure that the SVM code displayed is correct.
6. 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".
7. 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.
8. Ensure that the diagnostic device remains connected for the duration of the update.
9. This error message may or may not appear (Fig 2) on the ODIS-S terminal. Regardless of if the error message appears, continue with the next steps.

Action: Report



Issue relating to back documentation

The following SVM error occurred: **ERPUNCEX8135**

The SVM Process will now exit.

- Press the Complete/Continue button to continue.

Fig 2

Third SVM Code Input

WARNING

Re-energise the high-voltage system via ODIS-S. Refer to ElsaPro, Repair Group 93 – “Re-energising high-voltage system” to do so.

1. After re-energising the High Voltage System, navigate to the “Special Functions” tab in ODIS-S.
2. Navigate to ‘SVM – Code Input’
 - a. If the vehicle is any variant of a Continental GT or GTC, enter the SVM Code: “372531COM01”.
 - b. If the vehicle is any variant of a Continental Flying Spur, enter the SVM Code: “373531COM02”.
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.
 - a. If you have a prompt stating there is no communication established with 00CC, select done/continue.
8. Follow the on-screen instructions to completion.
9. If you are presented with this screen (Fig 3) at the end of the update, the update was successful. Please continue to step 11.

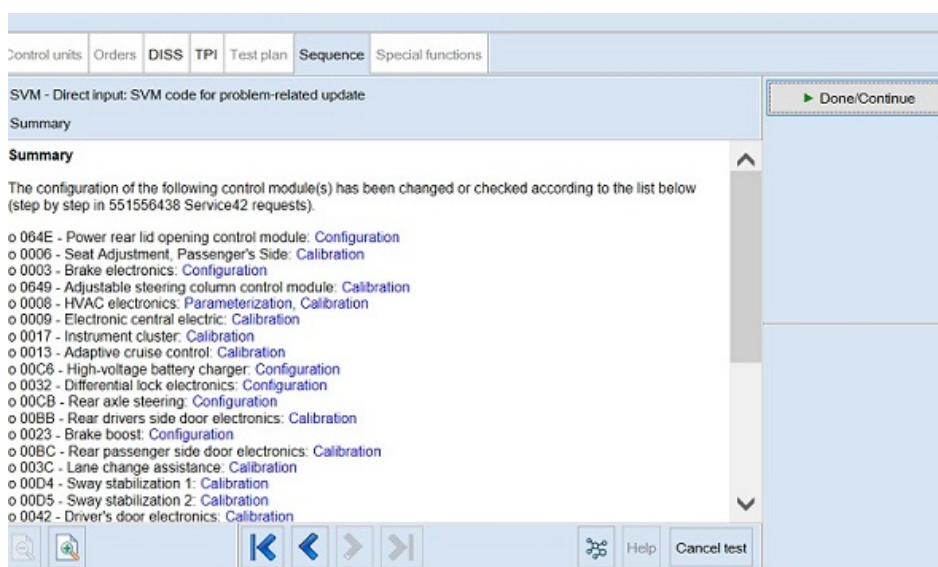


Fig 3

10. If you encounter any errors during the update, please raise a FULL TECHNICAL DISS query.
 - a. Customer Statement: “ED39 Support”
 - b. Workshop Findings: Give a summary of the error encountered and ensure that the GFF log is submitted online.
11. 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 10 minutes).

12. After 30 minutes, unlock and open the driver's door. Turn on the ignition, re-connect the battery charger and diagnostic dongle.

13. Re-run guided fault finding and clear DTCs. If any faults are present, refer to TPI 2075920. If any other faults are present are non-sporadic, please raise a full DISS query with a fill GFF log uploaded online stating the error encountered.

Identification

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

You must also add a blue paint mark as per the picture below.



VIN	SVM Code
SCBCF13S8SC020919	372531ED3901
SCBCR2ZG2SC021256	372531ED3901
SCBCF13S7SC021267	372531ED3901
SCBDR4ZG5SC021266	372531ED3901
SCBDR4ZG9SC021254	372531ED3901
SCBCF13S0SC021255	372531ED3901
SCBCF13S1SC021264	372531ED3901
SCBCF13S8SC021259	372531ED3901
SCBCR2ZG3SC021279	372531ED3901
SCBDF33S5SC021252	372531ED3901
SCBDF33S8SC021276	372531ED3901
SCBDR4ZG4SC021260	372531ED3901
SCBDR4ZG7SC021270	372531ED3901
SCBDR4ZGXSC021294	372531ED3901
SCBCF13S4SC021274	372531ED3901
SCBCF13S7SC021320	372531ED3901
SCBCF13S8SC021262	372531ED3901
SCBCJ13S0SC021304	372531ED3901
SCBCJ13S1SC021313	372531ED3901
SCBCJ13S8SC021308	372531ED3901
SCBDF33SXSC021280	372531ED3901
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SCBDR4ZG5SC021283	372531ED3901
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SCBCF13S5SC021347	372531ED3901
SCBCJ13S4SC021340	372531ED3901
SCBCJ1ZG9SC021353	372531ED3901
SCBCR13S2SC021278	372531ED3901
SCBCR2ZG1SC021300	372531ED3901
SCBCR2ZGXSC021344	372531ED3901
SCBDF33S0SC021272	372531ED3901
SCBDF33S0SC021322	372531ED3901
SCBDF33SXSC021358	372531ED3901
SCBDR4ZG1SC021345	372531ED3901
SCBDR4ZG4SC021310	372531ED3901
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SCBDR4ZG7SC021334	372531ED3901
SCBDR4ZG8SC021326	372531ED3901
SCBDR4ZGXSC021330	372531ED3901
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SCBCF13S5SC021381	372531ED3901
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SCBCR13S4SC021363	372531ED3901

SCBCR2ZG0SC021370	372531ED3901
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SCBDF33S6SC021342	372531ED3901
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SCBDR4ZG5SC021302	372531ED3901
SCBDR4ZG7SC021348	372531ED3901
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SCBCG13S0SC021527	372531ED3901
SCBCG13S8SC021520	372531ED3901
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