

# Technical Service Bulletin

<b>Topic</b>	Software Update for Headlamp Operation Issues   Bentayga Series   24MY
<b>Market area</b>	Bentley: worldwide (2WBE),China 796 VW Import Comp. Ltd (Vico), Beijing (6796)
<b>Brand</b>	Bentley
<b>Transaction No.</b>	2078332/1
<b>Level</b>	EH
<b>Status</b>	Released for publishing
<b>Release date</b>	Jul 21, 2025

## New customer code

Object of complaint	Complaint type	Position
power, vehicle electrical system, data transfer -> power supply	functionality	
lighting, signaling -> exterior lighting -> low beams	functionality -> irregular	> no instruction <
lighting, signaling -> exterior lighting -> low beams	functionality -> partially out of order	> no instruction <

## Vehicle data

### 24MY Bentayga Series

#### Sales types

Type	MY	Brand	Designation	Engine code	Gearbox code	Final drive code
4V1*	2024	E		*	*	*
ZV1*	2024	E		*	*	*

## Documents

<b>Document name</b>
<a href="#">master.xml</a>

## Condition

Headlamp low beam / high beam malfunction / operational issues (Inner lamp)

Or

Daytime running light malfunction / operational issues (Inner lamp)

Or

Turn signal malfunction / operational issues (Outer lamp)

## Technical Background

### NOTICE

**IMPORTANT NOTICE:** Please ensure that photographs showing the issues found whilst conducting this TPI are attached to a new or existing DISS query as detailed below:

- Photographs showing the actual failure mode
- Photographs after the repair has been successfully completed

**Note:** Failure to provide the required information could result in warranty claims being cancelled



The complete headlamp assembly should only be replaced if the required software update was not successful

### NOTICE

Please ensure that all VIN and symptom related TPI's are conducted before continuing with the instructions within the Measure section in particular TPI 2054599/-

## Production Solution

Not applicable

## Service

### CAUTION

Have the instructions within TPI 2054599/- been conducted?

**Yes** – Continue with the onward instructions.

**No** - Conduct TPI 2054599/- **Hint:** In the event the issue is still evident after conducting TPI 2054599/-please continue with the onward instructions.

To resolve the fault, complete a Baseline integration Level (BiL) software update to level 5.5, see instructions below.

### BiL 5.5 Software Update Instructions



#### CAUTION

The Bentley ODIS-S Brand Version **MUST** be at least 2.35.4 (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 13.8v 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

Vehicles using a High voltage system **MUST** only be worked on by suitably qualified 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, referencing the applicable TPI.

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

## SVM Code Input (Vehicle Baseline)



### CAUTION

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

1. After a suitable battery charger is connected, select the Special Functions tab.
2. Navigate to 'SVM – Code Input' and enter the SVM Code.
  - a. If the vehicle is any variant of a Bentayga EWB, enter the SVM Code: "SE24V1BIL5501".
  - b. If the vehicle is any variant of a Bentayga SWB, enter the SVM Code: "SE24V0BIL5501".



### NOTICE

Ensure that the Mirror server is connected when running the SVM code.

3. On the next screen, ensure that the SVM code 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. Ensure that the diagnostic device remains connected for the duration of the update.
6. Follow all on-screen prompts until the program ends.

a. You may be required to perform various ignition cycles during the test so ensure that you are situated around the vehicle/ODIS-S device for the full update.

7. If you receive the error message “8118”:

a. Switch off the battery charger

b. Switch off the ignition

c. Remove the VCI

d. Close all doors

e. Wait 15 minutes

f. Retry the SVM code.

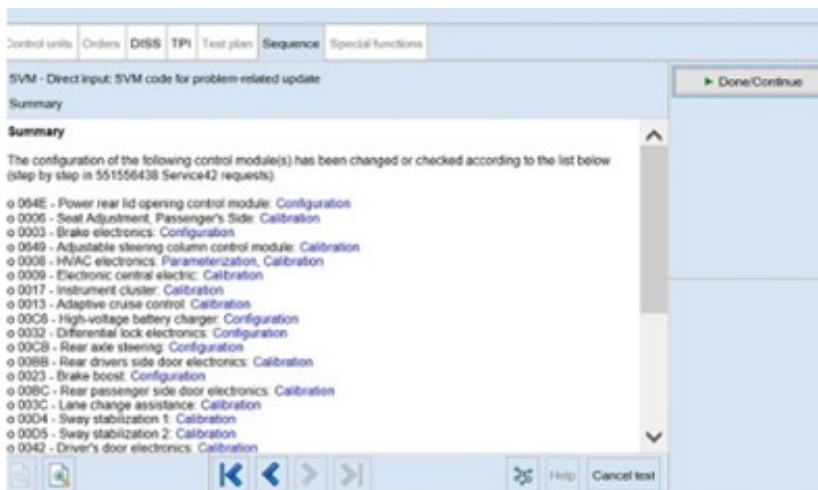
g. If the error is received again, allow the vehicle to reach a full CAN-BUS sleep.

h. Remove the 12V battery negative for 15 minutes and return to step f (Refer to ElsaPro Repair Group 27 'Battery – To disconnect and connect').

## ! NOTICE

If you encounter any errors during the update, or if you receive the '8118' error as per step 8 more than two times, please raise a full technical DISS query.

– **Workshop findings:** Give a summary of the error encountered and ensure that the latest guided fault finding log is submitted online.



8. If the SVM code completes successfully, ODIS should display as per the image above.

10. If you encounter any errors during the update, please raise a FULL TECHNICAL DISS query. Include the following:

a. TPI 2078332/ has been conducted

b. Workshop Findings: Give a summary of the error encountered and ensure that the latest Guided Fault Finding 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 15 minutes).

12. After 15 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, please raise a full DISS query with a full GFF log uploaded online stating the error encountered.

14. Carry out a short road test to confirm the headlamps are fully functional.

- On return from road test - using ODIS recheck for any returning DTC's
- Should the DTC's not be evident and the headlamps are fully functional, no further action is required

In the event the issue is not resolved the operative must respond via an existing DISS query or raise a new technical DISS query and await a response before conducting any further work.



If the fault is not resolved after the BiL 5.5 update has been conducted, the operative may be instructed via DISS to replace the complete headlamp assembly as detailed within Rep.Gr 94.

## Warranty



### NOTICE

**IMPORTANT NOTICE:** Please ensure that photographs showing the issues found whilst conducting this TPI are attached to a new or existing DISS query as detailed below:

- Photographs showing the actual failure mode
- Photographs after the repair has been successfully completed

**Note:** Failure to provide the required information could result in warranty claims being cancelled

**Hint:** In the event the issue was evident after the software update was conducted and a new headlamp assembly was fitted, a photograph of the failure mode after control unit replacement is also required

Warranty type	110 or 910
Damage service number	94 15 - Headlamp assembly
Damage code	00 40

### Diagnosis time

Labour operation code 01 50 00 00  
Time As per ODIS log Must not exceed 10 TU

### BiL 5.5 Software Update

Labour operation code 01 50 00 00  
Time As per ODIS log Must not exceed 50 TU

A 100TU allowance may be claimed only if a SVM update fails to complete successfully. This is intended to cover additional diagnostic or recovery work directly resulting from the failed update. It must not be used for unrelated delays or issues.

ODIS logs must be attached to a Technical DISS ticket for evidence of failure. Claims without valid documentation will be rejected. Warranty Adjudicators will review associated ODIS logs and DISS queries to determine actual software update time.

### Time to replace the headlamp if issue persists after Software Update

Labour operation code 94 15 19 00  
Time 260 TU

### Time to align both headlamps

Labour operation code 94 15 16 00  
Time 20 TU

### Road test

Labour operation code 01 21 00 01  
Time 30 TU

#### NOTICE

Hint: This LOT must only be claimed once in the event the headlamp unit was diagnosed as faulty and all checks were conducted as described within TPI 2054599/-

### Required Parts and Tools

#### CAUTION

Part numbers can change without notice, please refer to the ETKA parts catalogue to ensure the latest specification part is ordered/supplied