Technical Service Bulletin

Topic	Automatic High Beam does not function (NAR) | Bentayga Series | 24MY
Market area	United States E05 Bentley USA and rest America (6E05)
Brand	Bentley
Transaction No.	2078841/1
Level	EH
Status	Released for publishing
Release date	Oct 29, 2025

New customer code

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

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

Document name
master.xml

Condition

Customer reports that the Automatic High Beam function is not operating as expected. The feature is set to AUTO, and all environmental and vehicle conditions appear to be correct for activation.

Technical Background

To resolve the fault, complete a Baseline integration Level (BiL) software update to level 5.5, refer to the measure section for further instructions.

Production Solution

Not applicable

Service

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.

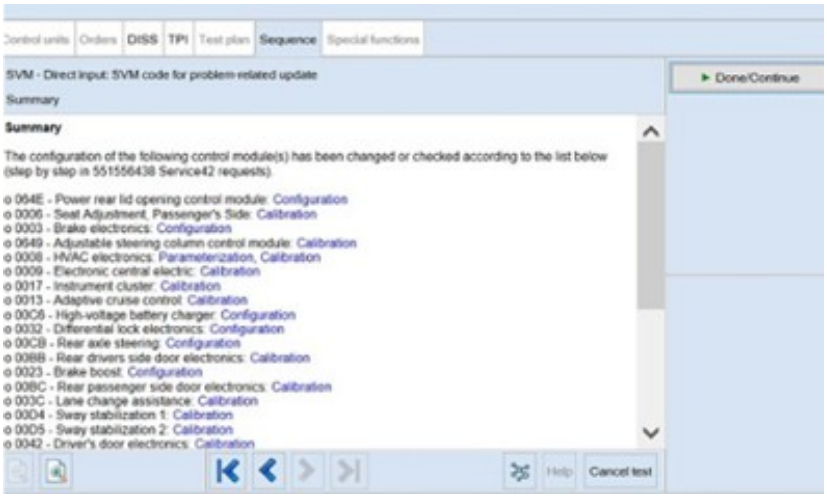
   g. If the error is received again, allow the vehicle to reach a full CAN-BUS sleep.

   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.

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.

Warranty

Warranty type	110 or 910
Damage service number	94 15
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.

Required Parts and Tools

Not applicable