

# Technical Service Bulletin

<b>Topic</b>	Headlamp Control Unit Replacement   Bentleyga Series   23MY
<b>Market area</b>	Bentley: worldwide (2WBE), China 796 VW Import Comp. Ltd (Vico), Beijing (6796)
<b>Brand</b>	Bentley
<b>Transaction No.</b>	2077922/3
<b>Level</b>	EH
<b>Status</b>	Released for publishing
<b>Release date</b>	Jun 13, 2025

## New customer code

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

## Vehicle data

### Bentleyga Series 23 Model Year

#### Sales types

Type	MY	Brand	Designation	Engine code	Gearbox code	Final drive code
ZV1*	2023	E		*	*	*
4V1*	2023	E		*	*	*

## Documents

Document name
master.xml

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## 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

### WARNING

Vehicles using a High voltage system **MUST** only be worked on by suitably qualified personnel



It is not possible to determine between internal lamp defects and control unit failures therefore this TPI is to advise the replacement of the control unit in the first instance

### 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 still evident after the control unit was replaced and a new headlamp assembly was fitted, a photograph of the failure mode after control unit replacement is also required



The complete headlamp assembly should only be renewed if the replacement of the control unit 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/-

## Revision History

2077922/3 - Warranty accounting information revised

2077922/2 – Headlight ECU part number correction

## Production Solution

Not applicable

## Service

### CAUTION

Have the instructions within TPI 2054599/- been conducted?

**Yes** - Carry out the remaining instructions from step 1

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

follow the steps below,

1) Referring to Rep.Gr 94 - Replace the headlamp control unit with PN 992 941 592BH



Important note for Bentayga models with an auxiliary heater (Right hand headlamp control unit)

When replacing the right hand headlamp control unit the operative must also remove the auxiliary heater as detailed in Rep.Gr 82

**NOTICE**

You must complete a software update/flash using GFF code 1500000 after replacing the headlamp control unit with part number **992 94 192BH**. See required SVM codes below.

**Software details :-**

**Bentayga Standard Wheel base**

Replacement of Left hand side headlight ECU - SVM code - 4V0D6DRL01

Replacement of Right hand side headlight ECU - SVM code - 4V0D7DRL01

**Bentayga Extended Wheel base**

Replacement of Left hand side headlight ECU - SVM code - 4V1D6DRL01

Replacement of Right hand side headlight ECU - SVM code - 4V1D7DRL01

**NOTICE**

In the event the issue is not resolved after the headlamp control unit has been replaced and relevant ECU Flash and TPI 2054599/- has been conducted, the operative must replace the complete headlamp assembly as detailed within Rep.Gr 94

- 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

However

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**

**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 control unit was replaced 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 18 - Control unit
Damage service number	94 15 - Headlamp assembly
Damage code	00 40

**Bentayga without Auxiliary heater**

**Time to remove and refit (x1) front wheel arch liner**

Labour operation code	66 16 19 01
Time	20 TU

**Time to remove and refit (x2) front wheel arch liners**

Labour operation code	66 16 20 01
Time	40 TU

**NOTICE**

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

**Diagnosis time**

Labour operation code 01 50 00 00

Time As per ODIS log Must not exceed 10 TU

**Time to replace the headlamp control unit**

Labour operation code 94 01 19 50

Time 10 TU

**Software Update for 23 Model year using GFF code 1500000**

Labour operation code 01 50 00 00

Time As per ODIS log Must not exceed 35 TU

**Time to replace the headlamp if issue persists after Control Unit replace**

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

**Bentayga with Auxiliary heater**

**Time to remove and refit (x1) front wheel arch liner**

Labour operation code 66 16 19 01

Time 20 TU

**Time to remove and refit (x2) front wheel arch liners**

Labour operation code 66 16 20 01

Time 40 TU

**NOTICE**

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

**Time to remove and refit the auxiliary heater to gain access to the headlamp control unit**

**W12 engine**

Labour operation code 82 20 19 00

Time 170 TU

**V8 Kovomo engine**

Labour operation code 82 20 19 20

Time 150 TU

**V8 Diesel**

Labour operation code 82 20 19 40

Time 170 TU

**Diagnosis time**

Labour operation code 01 50 00 00

Time As per ODIS log Must not exceed 10 TU

**Time to replace the headlamp control unit**

Labour operation code 94 01 19 50

Time 10 TU

**Software Update for 23 Model year using GFF code 150000**

Labour operation code 01 50 00 00

Time As per ODIS log Must not exceed 35 TU

**Time to replace the headlamp if issue persists after Control Unit replace**

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

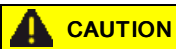
**Road test**

Labour operation code 01 21 00 01

Time 30 TU

**Required Parts and Tools**

Headlamp control unit - 992 941 592BH



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