

# Technical Service Bulletin

<b>Topic</b>	Headlamp Control Unit Replacement   Bentayga and Flying Spur   20,21,22,24MY
<b>Market area</b>	Australia E04 Bentley rest Asia and Australia (6E04),China 723 Volkswagen (Anhui) Automotive CO (6723),China 796 VW Import Comp. Ltd (Vico), Beijing (6796),Germany E02 Bentley rest Europe (6E02),Japan E03 Bentley Japan (6E03),Korea, (South) E08 Bentley South Korea (6E08),United Arab Emirates E06 Bentley Middle East and Africa (6E06),United Kingdom E01 Bentley UK (6E01),United States E05 Bentley USA and rest America (6E05)
<b>Brand</b>	Bentley
<b>Transaction No.</b>	2071933/3
<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 <
lighting, signaling -> exterior lighting -> low beams	functionality -> irregular	> no instruction <
power, vehicle electrical system, data transfer -> power supply	functionality	

## Vehicle data

### Bentayga Series and Flying Spur

#### Sales types

Type	MY	Brand	Designation	Engine code	Gearbox code	Final drive code
ZG2*	2020	E		*	*	*
ZG2*	2021	E		*	*	*
ZG2*	2022	E		*	*	*
ZG2*	2023	E		*	*	*
ZG2*	2024	E		*	*	*
4V1*	2022	E		*	*	*
4V1*	2021	E		*	*	*
4V1*	2024	E		*	*	*

## Documents

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

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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

Or

The control unit has been replaced **TWICE** previously (see note below)

**NOTICE**

The headlamp control unit can only be replaced a **MAXIMUM** of **TWO** times (per headlamp) If there are two yellow paint marks on the control units (Figure 1) or the vehicles repair history shows the control units have been replaced **TWICE**, a new headlamp assembly is required



Figure 1

**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

TPI 2071933/3 – Warranty accounting information revised

TPI 2071933/2 - The header data has been revised to remove 23 Model Year Bentayga Series

## Production Solution

Not applicable

## Service

<b>⚠ CAUTION</b>
<b>Have the instructions within TPI 2054599/- been conducted?</b>

**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

1) Referring to Rep.Gr 94 - Replace the headlamp control unit



**Note:** In the event the headlamp control unit procedure is not visible within Rep.Gr 94 the operative should refer to the Bentley Hub searching for the following:

- **New Flying Spur Headlamp Control Module**

The procedure will be published within Rep.Gr 94 when available

Hint: The procedure is also attached to this TPI



**Important note for Bentley 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

2) On completion apply a yellow paint mark as shown in Figure 1 and/or Figure 2 (depending if the control unit has been replaced once (Figure 1) or twice (Figure 2))



Figure 1



Figure 2

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

- 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

<b>ⓘ NOTICE</b>
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**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/-

##### Time to replace the headlamp control unit

Labour operation code   94 01 19 50  
Time                        10 TU

##### Time to replace the headlamp if the control unit has been replaced twice

Labour operation code   94 15 19 00  
Time                        260 TU

##### Time to align both headlamps

Labour operation code   94 15 16 00  
Time                        20 Time units

##### Diagnosis time

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

##### 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

**Time to replace the headlamp control unit**

Labour operation code 94 01 19 50

Time 10 TU

**Time to replace the headlamp if the control unit has been replaced twice**

Labour operation code 94 15 19 00

Time 260 TU

**Time to align both headlamps**

Labour operation code 94 15 16 00

Time 20 Time units

**Diagnosis time**

Labour operation code 01 50 00 00

Time As per ODIS log Must not exceed 10 Time units

**Road test**

Labour operation code 01 21 00 01

Time 30 TU

**New Flying Spur**

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

Labour operation code 66 16 19 01

Time 30 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 replace the headlamp control unit**

Labour operation code 94 01 19 50

Time 10 TU

**Time to replace the headlamp if the control unit has been replaced twice**

Labour operation code 94 15 19 00

Time 290 TU

**Time to align both headlamps**

Labour operation code 94 15 16 00

Time 20 Time units

**Diagnosis time**

Labour operation code 01 50 00 00

Time As per ODIS log Must not exceed 10 Time units

**Road test**

Labour operation code 01 21 00 01

Time 30 TU

## Required Parts and Tools

Headlamp control unit - 992 941 592BA (x1)

 **CAUTION**

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