

# Technical product information

<b>Topic</b>	Headlamp control unit replacement - Bentayga and New Flying Spur
<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>	2070344/3
<b>Level</b>	EH
<b>Status</b>	Approval
<b>Release date</b>	

## New customer code

Object of complaint	Complaint type	Position
lighting system, signalling -> exterior illumination -> main lights	functionality -> uneven	> not specified <
lighting system, signalling -> exterior illumination -> main lights	functionality -> partially without function	> not specified <
electrical power, electric system, data transfer -> power supply	functionality	

# Vehicle data

## Bentayga and New Flying Spur

### Sales types

Type	MY	Brand	Designation	Engine code	Gearbox code	Final drive code
4V1*	2020	E		*	*	*
4V1*	2021	E		*	*	*
4V1*	2022	E		*	*	*
ZG2*	2020	E		*	*	*
ZG2*	2021	E		*	*	*
ZG2*	2022	E		*	*	*
ZG2*	2023	E		*	*	*
ZV1*	2023	E		*	*	*

# Documents

Document name
master.xml

## Customer statement / workshop findings

### Customer statement

Headlamp is not working or the headlamp is flickering

### Workshop findings

Headlamp assembly diagnosed as faulty

## 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

The complete headlamp assembly should only be replaced if control unit replacement 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 particularly TPI 2054599/-

## Production change

Not applicable

## Measure

### 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
- 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

### CAUTION

Have the checks within TPI 2054599/- been conducted?

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

**No** - Conduct TPI 2054599/-

1) Referring to Rep.Gr 94 - Remove the applicable headlamp

2) Replace the headlamp control unit as follows:

- Referring to Figure 1 - Using an external torx socket - Remove (x3) fixings (1.5) Nm and carefully extract the control unit (1) to gain access to the harness connector (2)

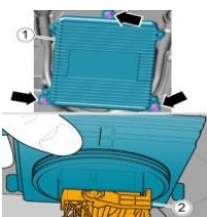


Figure 1

- Referring to Figure 2 - Press the catch (1) in the direction of the arrow, at the same time rotate the harness plug retainer (2) outwards as shown to allow the harness plug to be disconnected

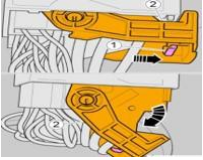


Figure 2

- Referring to Figure 3 - Installation is the reverse of the removal procedure, pay attention to the seal (1) ensuring there is NO damage
- Ensure the seal is seated correctly as shown

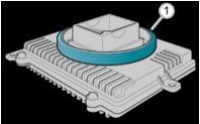


Figure 3

- Referring to Figure 4 - Connect the harness connector (1) and fully close the retainer (2) when the correct retention of the harness connector is achieved, an audible click will be heard

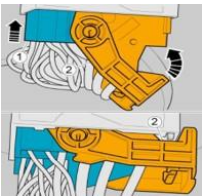


Figure 4

- Referring to Figure 5 - Insert the new control unit (1) into the headlamp assembly aperture (highlighted) Take care not to dislodge the control unit seal (2)

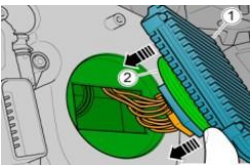


Figure 5

- Referring to Figure 6 - Press the control unit into the headlamp assembly evenly, then insert the three fixings -arrows- Torque tighten to (1.5) Nm - Connect the headlamp assembly connector

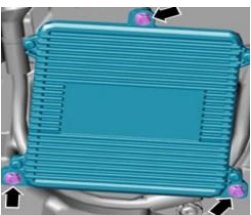


Figure 6

- Apply a yellow paint line as shown in Figure 7



Figure 7

3) Run the headlamp replace test with the diagnostic tester as detailed within the guided functions test

- Check the operation of the headlamp
- Does the headlamp operate to specification?

**YES:**

- Referring to Rep.Gr 94 - Refit the headlamp
- Where applicable calibrate the matrix headlamps

**NO:**

- In the event the issue is not resolved the operative must replace the complete headlamp assembly as detailed within Rep.Gr 94

**Warranty accounting instructions**

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Warranty type            110 or 910  
 Damage service number 94 18 - Control unit  
 Damage service number 94 15 - Headlamp assembly  
 Damage code            00 40

**Bentayga and New Flying Spur**

**Time to replace the headlamp control unit (headlamp removed) and test the functionality of the headlamp**

Labour operation code    94 01 19 50  
 Time                        10 TU

**Time to remove and refit the headlamp**

Labour operation code    94 15 19 00  
 Time                        280 TU

**Time to align both headlamps**

Labour operation code    94 15 16 00  
 Time                        20 Time units

**Diagnosis time**

Labour operation code  
 Time                        As per ODIS log Must not exceed 20 Time units

**Parts information**

Rear control unit – 992 941 592BA (x1)

**CAUTION**

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