

Technical product information

Topic	Headlamp control unit replacement - Bentayga and New Flying Spur
Market area	Australia E04 Bentley rest Asia and Australia (6E04),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)
Brand	Bentley
Transaction No.	2070344/1
Level	EH
Status	Approval
Release date	

New customer code

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

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)

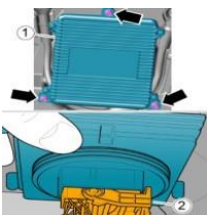


Figure 1

- 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

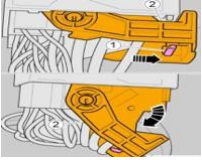


Figure 2

- 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

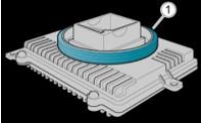


Figure 3

- 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

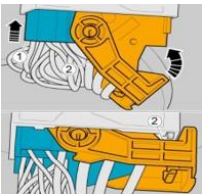


Figure 4

- 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)

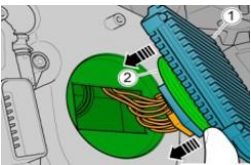


Figure 5

- 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

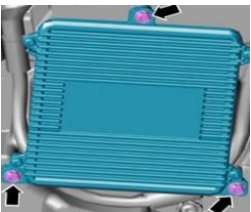


Figure 6

- 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 10 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)