

Technical product information

Topic	Buzzing/vibration from the left and/or right headlamp and/or DTC's C119C01-C119D01 stored - Matrix beam headlamp only
Market area	Bentley: worldwide (2WBE)
Brand	Bentley
Transaction No.	2059246/3
Level	EH
Status	Approval
Release date	

New customer code

Object of complaint	Complaint type	Position
lighting system, signalling -> exterior illumination	noise, vibration	
lighting system, signalling -> exterior illumination -> main lights	noise, vibration -> vibrate	
lighting system, signalling -> exterior lights	noise, vibration	

Vehicle data

Flying Spur

Sales types

Type	MY	Brand	Designation	Engine code	Gearbox code	Final drive code
ZG2*	2020	E		*	*	*
ZG2*	2021	E		*	*	*
ZG2*	2022	E		*	*	*

Documents

Document name
master.xml

Customer statement / workshop findings

Customer statement

Buzzing noise may be evident from the left and/or right headlamp

Workshop findings

The following DTC's may also be evident in 00D6 Light control left 2 (Matrix beam) and/or 00D7 Light control right 2 (Matrix beam)

C119C01 Fan for headlamp electrical error

C119D01 Fan 2 for headlamp electrical error

Technical background

Wiring harness routed incorrectly within the headlamp module at the rear of the headlamp, the noise and DTC's are evident due to the harness contacting the headlamp cooling fan

Production change

Not applicable

Measure

1) Remove the applicable road wheel - Rep.Gr 44

- Remove the applicable front wheel arch liner - Rep.Gr 66
- Locate the module at the rear of the applicable headlamp as Figure 1

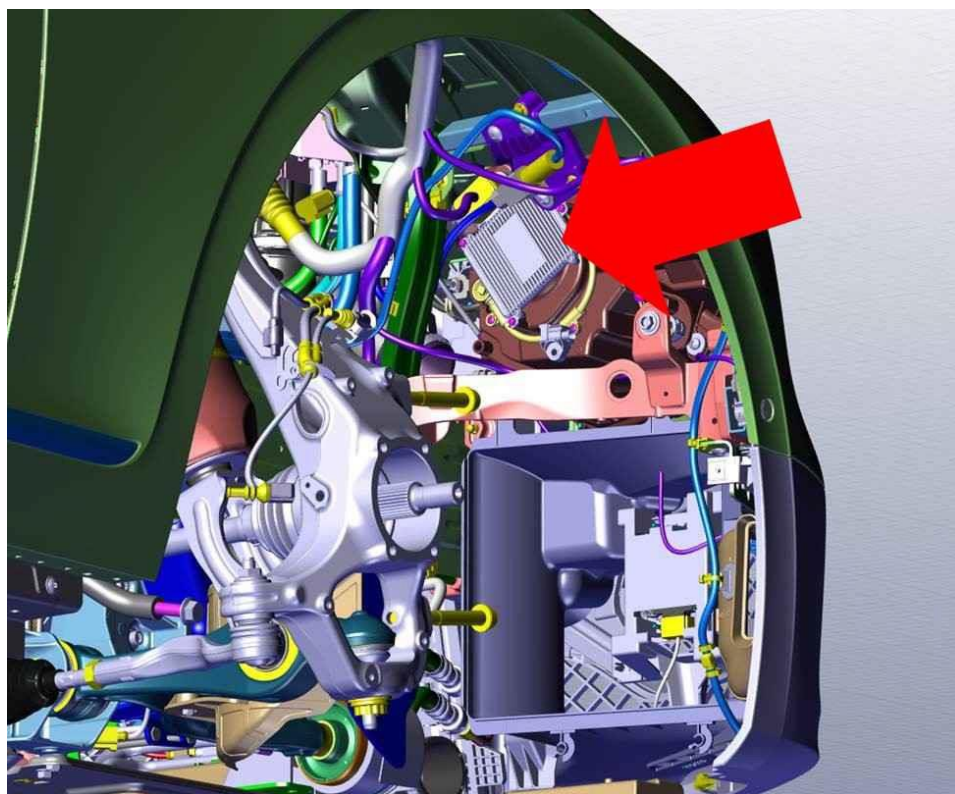


Figure 1

The onward photographs are shown with the headlamp removed from the vehicle, NOTE: Headlamp removal is not required

2) Remove the three screws from the location shown (Figure 2)



Figure 2

3) Referring to Figure 3 – Gently pull up the module and slightly pull the harness to make it free as shown in Figure 4



Figure 3



Figure 4

4) IMPORTANT: Inspect the wiring harness, should any damage be evident the headlamp should be replaced, Refer to Rep.Gr 94 **NOTE:**
Should no damage be evident continue as instructed from step 5

5) Referring to Figure 5 (left hand module) – Gently push the harness to the desired position away from the cooling fan and pushing the harness up to create a loop between the main connector and the unit



Figure 5

- Referring to Figure 6 (right hand module) – Gently push the harness to the desired position away from the cooling fan and pushing the harness up to create a loop between the main connector and the unit



Figure 6

Before conducting the next part of the procedure the operative **MUST** confirm the wiring harness does not and cannot contact the cooling fan once the unit is secured back into position

6) Referring to Figure 7 - Refit the module, ensuring the seal is in the correct position

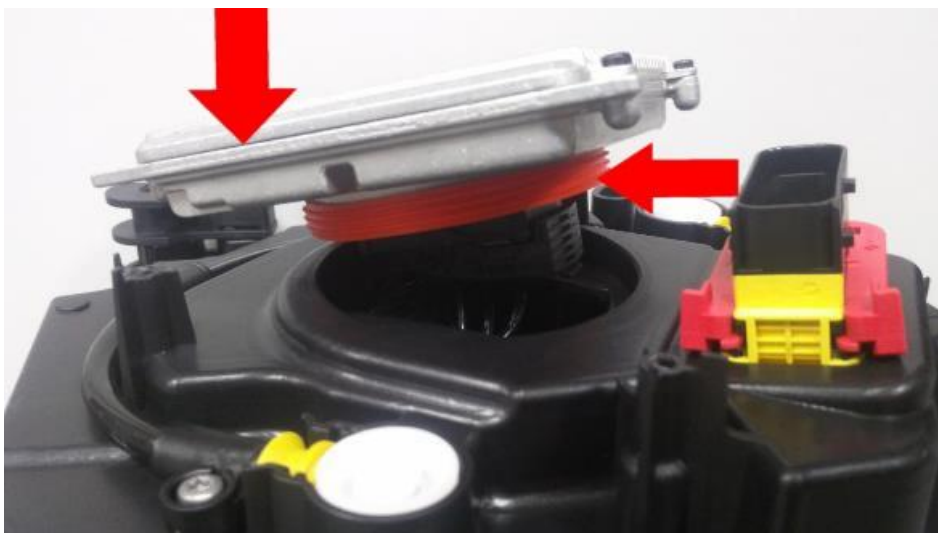


Figure 7

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- A close-up photograph of a metallic, ribbed component, likely a heat sink or part of a power supply. A red circle highlights a small, rectangular metal bracket or tab attached to the side of the component. The background is dark and out of focus, showing some yellow and red plastic parts.

7) Referring to Figure 9 – Refit the three screws and secure to 2.0 Nm



8) When the module is refitted the left hand module harness loop should be routed as shown (Figure 10)

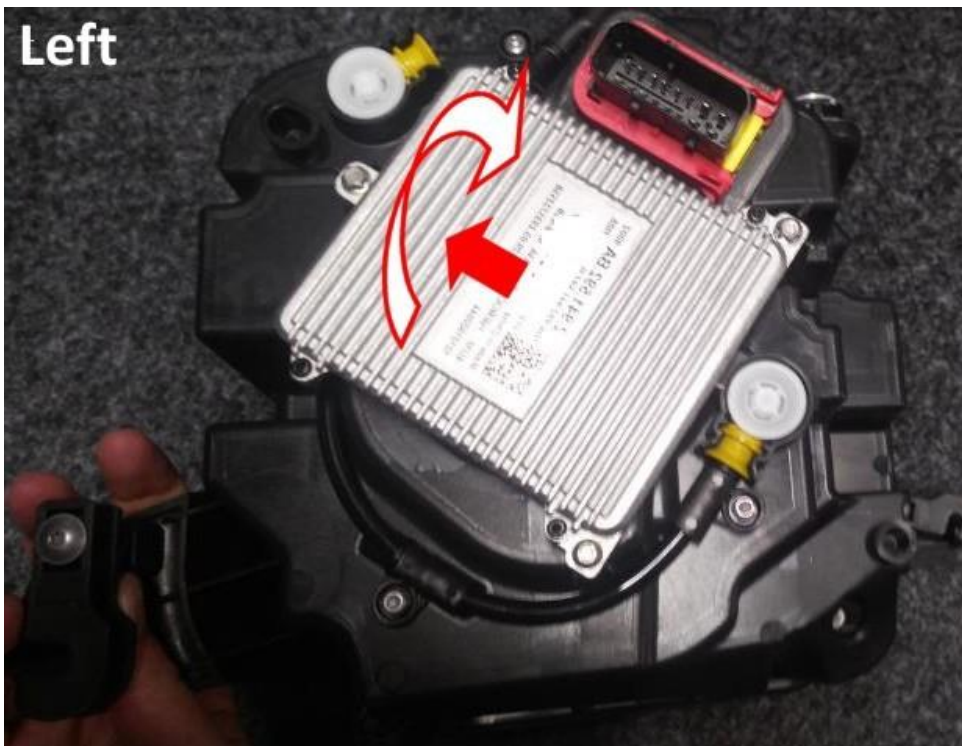


Figure 10

9) When the module is refitted the right hand module harness loop should be routed as shown (Figure 11)

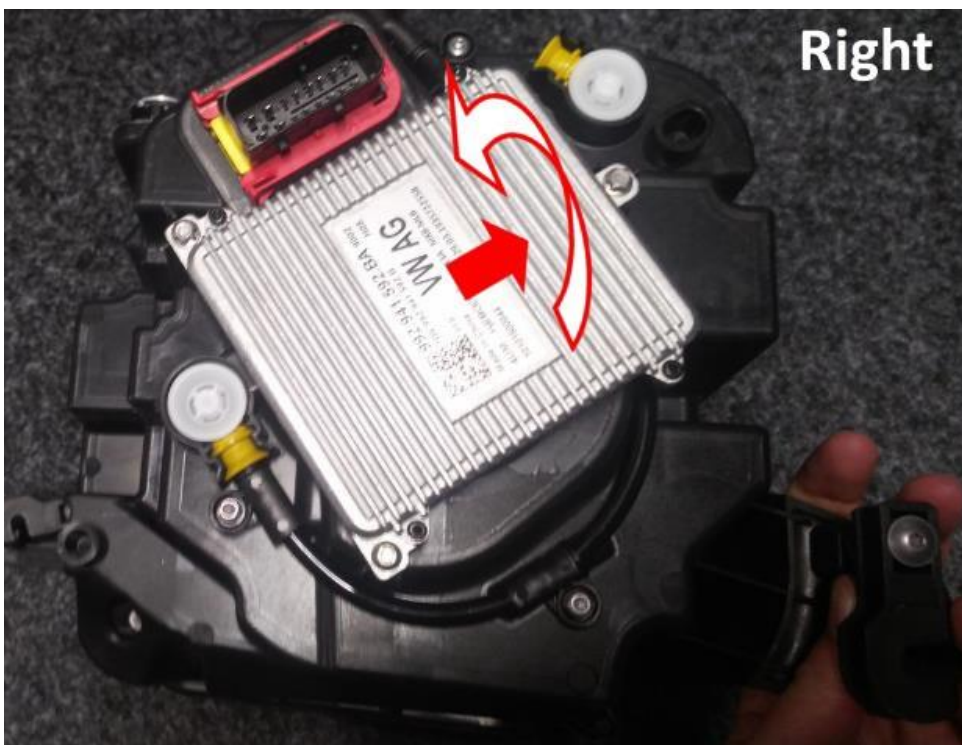


Figure 11

10) Clear any related DTC's and check the functionality of the affected headlamp

11) Refit the applicable wheel arch liner - Rep.Gr 66

- Refit the applicable road wheel – Rep.Gr 44

Warranty accounting instructions

Time to conduct harness relocation x1 headlamp

Warranty type: 910 or 110

Service ID number: 94 15

Damage type: 00 10

Labour

Labour operation code: 94 184100

Time: 60 Time units

Headlamp calibration

Labour operation code: 94 15 16 00

Time: 20 Time units

NOTE: Use 99 index until 07/05/20 for both LOT codes