

Field campaign

Topic	Bentayga - Data bus control unit (J533) replacement (SC24/05)
Market area	United States E05 Bentley USA and rest America (6E05)
Brand	Bentley
Transaction No.	2073264/2
Campaign number	EC97
Note	
Type	
US code	

Vehicle data

Bentayga Series

Sales types

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

Chassis numbers

Manufacturer	Filler	Type	Filler	MY	Factory	From	To	Prod from	Prod to
SJA	AR2	ZV	5	P	C	024941	024941		
SJA	AT2	ZV	4	P	C	024950	024950		
SJA	A72	ZV	4	P	C	024953	024953		
SJA	AT2	ZV	3	P	C	024955	024955		
SJA	AT2	ZV	6	P	C	024965	024965		
SJA	AT2	ZV	3	P	C	024969	024969		
SJA	A72	ZV	6	P	C	024971	024971		
SJA	A72	ZV	7	P	C	024980	024980		
SJA	AT2	ZV	1	P	C	024985	024985		
SJA	AT2	ZV	0	P	C	023942	023942		
SJA	HT2	ZV	0	P	C	023972	023972		
SJA	HT2	ZV	4	P	C	024008	024008		
SJA	HT2	ZV	4	P	C	024025	024025		
SJA	AR2	ZV	X	P	C	024076	024076		
SJA	AT2	ZV	8	P	C	024188	024188		
SJA	A72	ZV	6	P	C	024212	024212		
SJA	A72	ZV	4	P	C	024290	024290		
SJA	AR2	ZV	8	P	C	024304	024304		
SJA	AT2	ZV	2	P	C	024381	024381		
SJA	AT2	ZV	7	P	C	024425	024425		
SJA	A72	ZV	0	P	C	024500	024500		
SJA	AT2	ZV	0	P	C	024508	024508		
SJA	AR2	ZV	8	P	C	024609	024609		
SJA	AR2	ZV	5	P	C	024633	024633		
SJA	AT2	ZV	1	P	C	024677	024677		
SJA	AT2	ZV	9	P	C	024734	024734		
SJA	AR2	ZV	1	P	C	024774	024774		
SJA	AT2	ZV	5	P	C	024777	024777		
SJA	A72	ZV	5	P	C	024816	024816		
SJA	AR2	ZV	0	P	C	024829	024829		
SJA	AR2	ZV	1	P	C	024872	024872		
SJA	AT2	ZV	5	P	C	024892	024892		
SJA	AR2	ZV	2	P	C	024895	024895		
SJA	AT2	ZV	8	P	C	024918	024918		
SJA	A72	ZV	8	P	C	024924	024924		
SJA	AR2	ZV	7	P	C	024925	024925		
SJA	AT2	ZV	8	P	C	024935	024935		
SJA	A72	ZV	8	P	C	024938	024938		

Documents

Document name
master.xml

Notes

▼ Repair instructions

Technical background

The Data bus control unit - J533 (Gateway) must be replaced

Remedy

Replacement of the Data bus control unit - J533 (Gateway) is required

Customer notification

Customers of affected vehicles will be notified in writing by their Bentley retailer to arrange an appointment

Please ensure that all affected vehicles are checked and repaired at the nearest opportunity, make a note of the required action on the workshop order before it is signed by the customer

If it is omitted to perform the work required during a workshop visit, the customer should be notified immediately

You should also pass on this information to your new and used car sales department so that affected vehicles are checked and repaired immediately

Warranty accounting instructions

Warranty type 710 or 790

Damage service number EC97

Damage code 00 66

Criteria 01

Labour

Time to replace the Data bus control unit - J533 (Gateway)

Labour Operation Code 90 35 19 00

Time 110 TU

Time to code Data bus control unit - J533 (Gateway)

Labour Operation Code 01 51 00 00

Time As per the ODIS log (Must not exceed 50 TU)

Genuine parts

Part Number	Description	Quantity
80C 907 468J	Data bus control unit - J533 (Gateway)	1

Parts supply

The required part should be ordered through your regional Bentley parts distribution centre

Parts despatch control

Not applicable

Repair instructions

▲ Notes

Technical background

The Data bus control unit - J533 (Gateway) must be replaced

Check

If the vehicle is not already listed as repaired in the 'Repair history' section of Elsa Pro, check for the presence of the campaign completion mark as detailed within the identification section

In the event the campaign has not been applied, please carry out the required work in accordance with these instructions

Genuine parts

Part Number	Description	Quantity
80C 907 468J	Data bus control unit - J533 (Gateway)	1

Work

⚠ WARNING
Hybrid specification vehicles use a High voltage system and MUST only be worked on by suitably qualified personnel
⚠ CAUTION
Please ensure all guidelines within the repair manual are strictly followed whilst conducting any work on vehicles with a High voltage system
⚠ CAUTION
CAUTION: The Bentley ODIS-S Brand version MUST be 2.32.0 or higher

NOTICE

Before starting any work, the operative must inspect the following areas to check for any damage:

- Left hand front seat overall condition (photograph any damage for reference purposes)
- Left hand front and rear tread plates (photograph any damage for reference purposes)
- Left hand front and rear door trim panels (photograph any damage for reference purposes)
- Left hand side of the centre console (photograph any damage for reference purposes)
- Steering wheel (photograph any damage for reference purposes)
- Front sill trim panel including tread plates (photograph any damage for reference purposes)

1) To ensure all trim is suitably protected the operative MUST fit trim protection on the previously listed areas

2) Using the joystick mounted on the left-hand side of the steering column (Figure 1) adjust the steering wheel to its most forward and most upright position

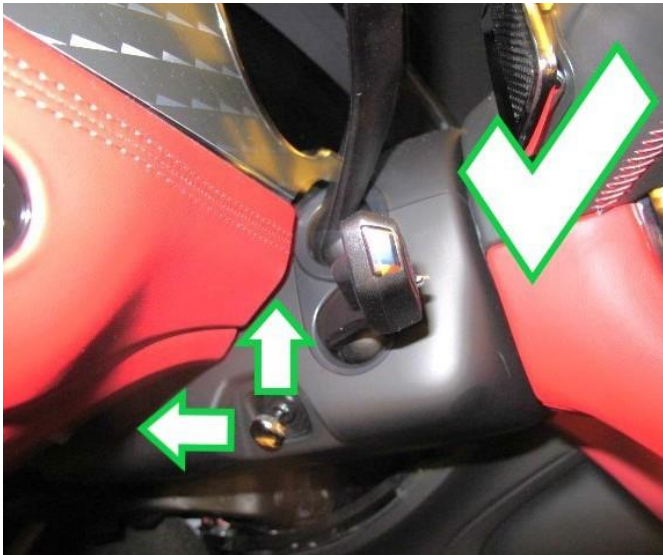


Figure 1

CAUTION

CAUTION: The ignition MUST be switched off

3) Referring to Rep.Gr 69 - Remove the airbag fuse

CAUTION

CAUTION: To eliminate the risk of any damage the front sill trim panel must be removed before the front left hand seat is removed

4) Referring to Rep.Gr 70 - Remove the front sill trim panel

NOTICE

IMPORTANT: As part of the front sill trim panel removal procedure (within Rep.Gr 70) the front and rear tread plates must be removed, the operative must ensure the tread plate ribbon cable is not damaged during removal and / or refitting (Figure 2)



Figure 2



IMPORTANT: Before conducting step 5, the RSE screen must be removed (if installed)

5) Referring to Rep.Gr 72 - Remove the front left hand seat assembly from the vehicle



IMPORTANT: To aid removal from the vehicle and provide a balanced position, adjust the front left hand seat to the following position:

- Squab angle slightly rearward

- Headrest fully lowered
- Seat fully lowered and in mid position of the travel rails (Figure 3)

Note: For clarity / photographic purposes, Figure 3 was taken with the seat removed from the vehicle to show the position of the seat base in relation to the rail end caps



Figure 3

⚠ CAUTION

The seat must always be removed from the vehicle as damage can easily be caused to the carpet, seat, seat wiring harnesses or connectors if the seat is for example tilted backwards / leaning onto the rear seat cushion

ℹ NOTICE

Full removal of the front carpet is not required to gain access to the Data bus diagnostic interface J533 (Gateway) - The carpet can be repositioned slightly to allow access, however the following care points **MUST** be noted before continuing

- Do **NOT** allow the carpet to fold excessively
- Do **NOT** raise the carpet for prolonged periods of time as this will cause damage to the carpet
- The carpet should be lifted and supported evenly to eliminate any damage to the carpet

6) Referring to Figure 4 - Remove the floor vent cover ducting screws 1.75Nm (A) and remove the floor vent (B)

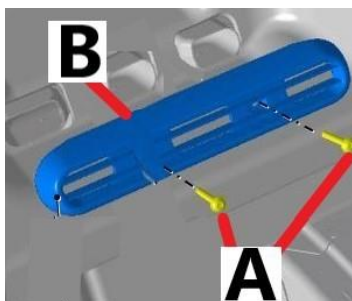


Figure 4

Hint: Figures 5 and 6 were taken with the centre console protection not fitted

Note: The protection was not shown for photographic purposes to allow the operative to identify how the carpet should be repositioned without causing any damage to the carpet or centre console

7) Referring to Figure 5 - Carefully release (**NO TOOLS SHOULD BE USED**) the rear carpet from underneath the centre console / front carpet

Hint: This will then allow the front carpet to be repositioned



Figure 5

- Referring to Figure 6 - Carefully reposition the front carpet out and away (**NO TOOLS SHOULD BE USED**) from the centre console

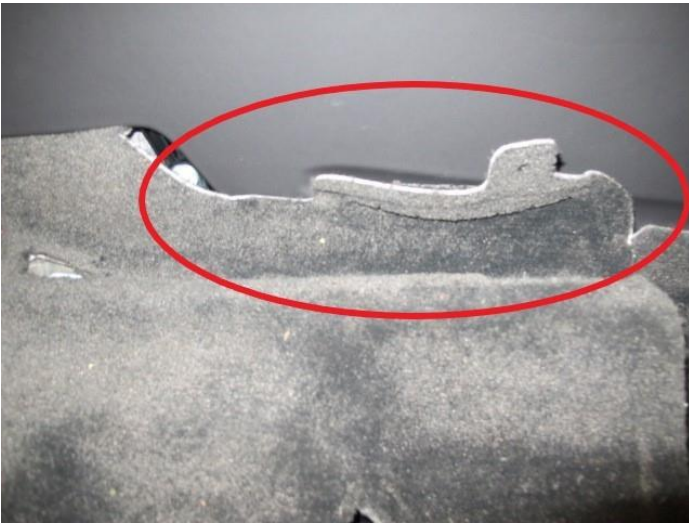


Figure 6

IMPORTANT: The following care points **MUST** be noted

- Do **NOT** allow the carpet to fold excessively
- Do **NOT** raise the carpet for prolonged periods of time as this will cause damage to the carpet
- The carpet should be lifted and supported evenly to eliminate any damage to the carpet

8) Referring to Figure 7 - Raise the carpet with care

- Withdraw the front seat sub frame out and away from the vehicle



If fitted, disconnect the electrical connector for the seat shaker



Figure 7

9) The Data bus control unit - J533 (Gateway) can now be accessed (Figure 8)

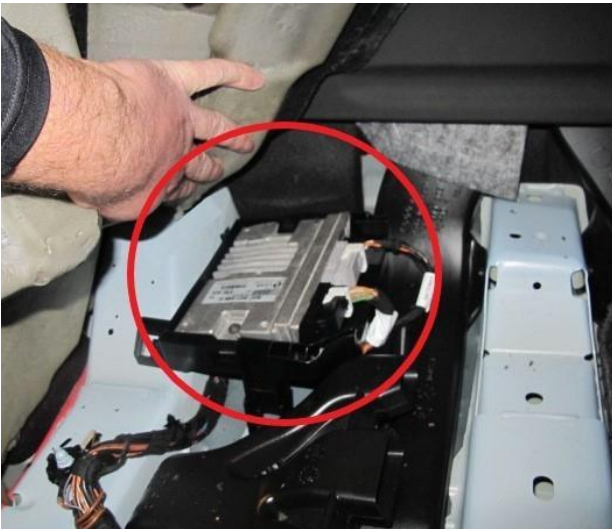


Figure 8

10) Connect a suitable 12 volt battery charger to the vehicle - Refer to Rep.Gr 27

CAUTION

THE BATTERY CHARGER MUST BE CONNECTED AND DISCONNECTED AS DETAILED WITHIN THE ONWARD INSTRUCTIONS

CAUTION

CAUTION: The Bentley ODIS-S Brand version MUST be 2.32.0, the operative must ensure the Brand version on the diagnostic machine is 2.32.0 before starting this procedure

11) Connect a suitable diagnostic machine to the vehicle

- Carry out a Guided Fault Finding check (GFF)
- Erase all applicable DTC's

12) Before disconnecting J533 the operative must access the Gateway replace test (within 0019)

- Run / start the replace test plan

Hint: The operative must only remove J533 when instructed by the test plan - **IMPORTANT:** Ensure all instructions are followed

13) Referring to Figure 9 - Remove the fixing (6 Nm) which secures J533 to the retaining bracket

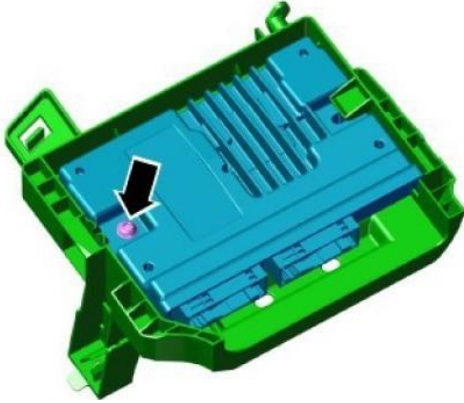


Figure 9

14) Referring to Figure 10 - Press in the tang

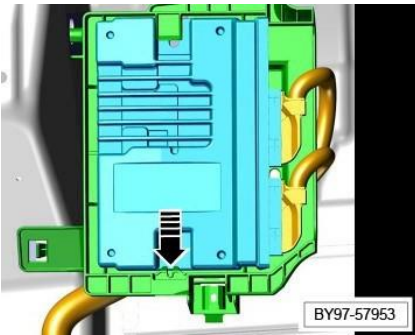


Figure 10

15) Referring to Figure 11 - Lift J533 (1) upwards (A) then slide the control unit out and away from the retaining bracket (B)

- Disconnect the two harness connectors (2) and remove J533 from the vehicle

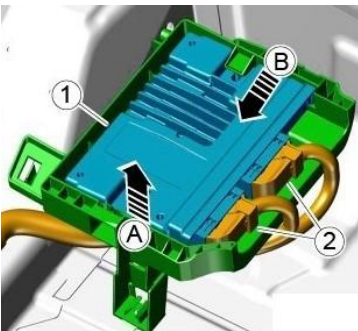


Figure 11

16) Once removed - Using a suitable tool (Figure 12) flatten / bend each individual pin within the grey and black connectors of the original Data bus control unit - J533 (Gateway) until all pins are as shown in Figure 13



Figure 12



Figure 13

17) Referring to Figure 14 conduct the following:

- Place the previously removed J533 on a piece of A4 white paper
- The operative must clearly write / record the following - **REMOVED FROM VIN _____** (include the last 5 digits of the VIN)
- Take a clear photograph of the original / removed J533 (including the VIN)
- Using a suitable red paint pen - Apply a red cross as shown
- Save the photograph in a suitable location as this will be required at the end of this procedure



Figure 14

18) Discard the original J533, ensuring all local environmental guidelines are followed

19) Referring to Figure 15 conduct the following:

- Place the new Data bus control unit - J533 (Gateway) on a piece of A4 white paper
- The operative must clearly write / record the following - **FITTED TO VIN _____** (include the last 5 digits of the VIN)
- Take a clear photograph of the new J533 including the VIN
- Save the photograph in a suitable location as this will be required at the end of this procedure



Figure 15

20) Fit / secure the new J533 into position

- Reconnect the two harness connectors

21) Continue with the 0019 Gateway replace test until complete / follow all onscreen prompts

- Carry out a Guided Fault Finding check (GFF)
- Erase all applicable DTC's **Hint:** In the event the DTC's cannot be cleared the operative must conduct all applicable test plans to completion



Installation of all previously removed components is the reverse of removal procedure, noting the following:

- Inspect the clips for damage and replace as required
 - Ensure the clips are aligned with the slots in the body before pushing in to prevent damaging the clips
- 22) On completion - Switch off the ignition
- Remove the diagnostic interface from the OBD port
 - Switch off **and** remove the 12 volt battery charger from the vehicle
 - Close the bonnet, boot and all doors
 - Lock the vehicle
 - Wait 5 minutes to allow the vehicle to go into bus silence
 - When 5 minutes has elapsed, unlock the vehicle and open the driver's door
 - Switch on the ignition
- 23) Re-connect the 12 volt battery charger to the vehicle - For further information refer to Rep.Gr 27
- 24) Connect a suitable diagnostic machine
- Carry out a Guided Fault Finding check (GFF)
 - Erase all applicable DTC's **Hint:** In the event the DTC's cannot be cleared the operative must conduct all applicable test plans to completion
- 25) Raise a non-technical DISS query ensuring the following is included
- Photograph of the original Data bus control unit - J533 showing the damaged / bent pins (Figure13)
 - Photograph of the original / removed Data bus control unit (J533) including the VIN (Figure 14)
 - Photograph of the new / replacement Data bus control unit (J533) including the VIN (Figure 15)
 - Save an ODIS log online
- 26) Referring to Figure 16 - Apply a yellow paint mark on the driver's seat outer rail at the location shown



Figure 16

Identification

Yellow paint mark on the driver's seat outer rail confirms completion as shown in Figure 16