

# Technical product information

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Topic           | Warning evident within the DIP for the steering system - DTC U103100 evident within diagnostic address 0044                                                                                                                                                                                                                                                                                                        |
| Market area     | Russische Föderation (5RU),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. | 2067399/2                                                                                                                                                                                                                                                                                                                                                                                                          |
| Level           | EH                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Status          | Released for publishing                                                                                                                                                                                                                                                                                                                                                                                            |
| Release date    | 03-Nov-2022                                                                                                                                                                                                                                                                                                                                                                                                        |

## Event memory entries

| Diagnostic address    | Event memory entry                           | Fault type | Fault status |
|-----------------------|----------------------------------------------|------------|--------------|
| 0044 - Power Steering | U103100: FlexRay data bus No synchronization |            | static       |

## New customer code

| Object of complaint                                              | Complaint type       | Position |
|------------------------------------------------------------------|----------------------|----------|
| running gear -> adaptive suspension, pitch and roll compensation | dimensional accuracy |          |
| running gear -> steering system                                  | functionality        |          |

# Vehicle data

## Bentayga Series

### Sales types

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

# Documents

| Document name              |
|----------------------------|
| <a href="#">master.xml</a> |

## Customer statement / workshop findings

### Customer statement

- Warning within the DIP for the steering system (Figure 1)



Figure 1

### Workshop findings:

- DTC U103100 with symptom code 3146753 - FlexRay data bus No synchronization evident within diagnostic address 0044

## Technical background

In the event the issue is as described the operative should conduct the instructions within the Measure section of this TPI

## Production change

-

## Measure

- Referring to the applicable wiring diagram - Conduct a visual check of plug connection for J539, the example in Figure 1 shows damage to pin 14 (Brake servo control unit)



Figure 1

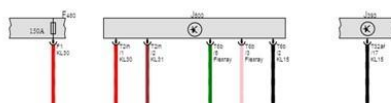
- Referring to the applicable wiring diagram, Conduct an electrical integrity check of the plug connection for J539 (Figure 2) and associated circuits

Electromechanical power steering , DCBE  
From June 2019

Bentley Bentayga

Current Flow Diagram

No. 262 / 2



Power steering control unit, Brake servo control unit  
F480 - Battery isolation unit, in front right footwell  
J393 - Convenience system central control unit, rear, behind left side trim in luggage compartment  
J500 - Power steering control unit, on steering rack  
J539 - Brake servo control unit, Driver side, in plenum chamber  
T11bd - 1-pin connector, black, in front right wing  
T11bx - 1-pin connector, black, in front right wing  
T21n - 2-pin connector, black, on power steering control unit  
T61b - 6-pin connector, brown, on power steering control unit  
T81k4 - 8-pin connector, black, on power steering control unit

Figure 2

If no faults were identified after conducting the visual/wiring integrity checks, the operative should raise a DISS query or respond via a previously open query and await feedback before conducting any further work

- Referring to Rep.Gr 97 - Conduct any applicable wiring repairs

3) Carry out a road test to confirm the issue is resolved

### Warranty accounting instructions

Warranty type - 110 or 910

Damage Service Number 05 05

Damage Code 97 97 \_\_\_\_\_

Time to conduct the applicable wiring integrity checks

Labour Operation Code 97 09 01 00

Time Must not exceed 40 TU

Time to conduct the applicable wiring repair

97 09 41 51: 30 2 Central wiring harness repair

- └─ 1 Cable
- └─ Associated operations
- └─ VAS 1978

97 09 41 52: 40 2 Central wiring harness repair

- └─ 2 Cable
- └─ Associated operations
- └─ VAS 1978

97 09 41 53: 50 2 Central wiring harness repair

- └─ 3 Cable
- └─ Associated operations
- └─ VAS 1978

97 09 41 56: 70 2 Central wiring harness repair

- └─ 4-6 Cable
- └─ Associated operations
- └─ VAS 1978

97 09 41 58: 90 2 Central wiring harness repair

- └─ 7-8 Cable
- └─ Associated operations
- └─ VAS 1978

### Road test

Labour Operation Code 01 21 00 00

Time 50 TU

### Parts information

Refer to the ETKA parts catalogue