

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.	2067399/1
Level	EH
Status	Approval
Release date	

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

Sales types

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

Documents

Document name
master.xml

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

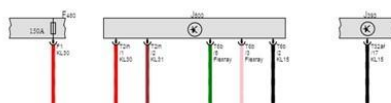
- Referring to the applicable wiring diagram, Conduct an electrical integrity check of the plug connection for J539 (Figure 2) and associated circuits

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
T11b - 1-pin connector, black, in front right wing
T11x - 1-pin connector, black, in front right wing
T21n - 2-pin connector, black, on power steering control unit
T6b - 6-pin connector, brown, on power steering control unit
T8k4 - 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