

# Technical product information

|                        |   |
|------------------------|---|
| <b>Topic</b>           | Rear seatbelt - Incorrect buckle status within the DIP - Bentayga Series  |
| <b>Market area</b>     | 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) |
| <b>Brand</b>           | Bentley   |
| <b>Transaction No.</b> | 2070998/1   |
| <b>Level</b>           | EH  |
| <b>Status</b>          | Approval  |
| <b>Release date</b>    |   |

## New customer code

| Object of complaint   | Complaint type  | Position |
|---|---|----------|
| occupant protection, pedestrian protection -> seat belts, 2nd row                     | functionality   |          |
| lighting system, signalling -> sound signals -> "seat belt reminder" acoustic warning | functionality -> warning signal sounds without reason |          |
| occupant protection, pedestrian protection -> seat belts, 2nd row                     | component / consumables                               |          |
| occupant protection, pedestrian protection -> belts                                   | functionality   |          |

# Vehicle data

## Bentayga Series

### Sales types

| Type | MY   | Brand | Designation | Engine code | Gearbox code | Final drive code |
|------|------|-------|-------------|-------------|--------------|------------------|
| 4V1* | 2017 | E     |             | *           | *            | *                |
| 4V1* | 2018 | E     |             | *           | *            | *                |
| 4V1* | 2019 | E     |             | *           | *            | *                |
| 4V1* | 2020 | E     |             | *           | *            | *                |
| 4V1* | 2021 | E     |             | *           | *            | *                |
| 4V1* | 2022 | E     |             | *           | *            | *                |
| 4V1* | 2023 | E     |             | *           | *            | *                |

# Documents

| Document name |
|---------------|
| master.xml    |

## Customer statement / workshop findings

### Customer statement

Incorrect rear seatbelt buckle status shown within the DIP

### Workshop findings

Although there is no occupant evident within the rear seats (2<sup>nd</sup> row) the rear seat is shown as occupied (Figure 1)

#### NOTICE

The issue can occur on one or combination of the rear seats



Figure 1

The correct status for non occupied rear seats (2<sup>nd</sup> row) is as shown in Figure 2



Figure 2

## Technical background

There is no specific DTC evident for the scenario described. The issue described is evident as the rear seat belt buckles are not resistor coded

The system uses a non-resistor coded buckle strategy (zero-infinity or open-closed buckle) for the rear seats. In correct operation, a fastened seatbelt is open circuit and an un-fastened seatbelt is closed circuit

If harness damage is present or an electrical connector joint is not properly engaged, an unintended open circuit occurs. This will give an incorrect buckle status reading within the DIP

The advice within this TPI should be referred to first before conducting any further diagnosis or disassembly of the vehicles interior

Previous assembly/disassembly may have caused an unintentional open circuit when operatives have been working on or around the rear seat belt assemblies

#### CAUTION

Before conducting any work on or around the rear seat belts the operative must refer to the following within Rep.Gr 69

- Precautions - Passive restraint systems and components
- Air bag system - Introduction



In the event the issue is not resolved

Or

There are seat belt warning operational issues

Or

There are seatbelt related DTC's evident which cannot be resolved

Product Support must second level the DISS query to the applicable Senior Engineer and await feedback before responding to the retailer

## Production change

The process within Manufacturing has been reviewed

The manufacturing process includes status checks which has to show a "not belted" status through the airbag control unit to pass the test



In the event the issue described is evident post VIN SJAAY14V4PC020383 please raise a technical DISS query and await feedback before conducting any further work

### **Measure**

Refer to the Technical background and Production change sections