

## Technical product information

|                        |  |
|------------------------|--|
| <b>Topic</b>           | Seat belt presenter – Intermittent operation |
| <b>Market area</b>     | Bentley: worldwide (2WBE)                    |
| <b>Brand</b>           | Bentley                                      |
| <b>Transaction No.</b> | 2034323/6                                    |
| <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, 1st row | component / consumables |          |
| occupant protection, pedestrian protection -> seat belts, 1st row | functionality           |          |

## Vehicle data

### Continental range

#### Sales types

| Type | MY   | Brand | Designation | Engine code | Gearbox code | Final drive code |
|------|------|-------|-------------|-------------|--------------|------------------|
| 393* | 2012 | E     |             | *           | *            | *                |
| 393* | 2013 | E     |             | *           | *            | *                |
| 394* | 2012 | E     |             | *           | *            | *                |
| 394* | 2013 | E     |             | *           | *            | *                |

#### Chas is numbers

| Manufacturer | Filler | Type | Filler | MY | Factory | From   | To     | Prod from | Prod to |
|--------------|--------|------|--------|----|---------|--------|--------|-----------|---------|
| SCB          | **     | *    | *      | C  | C       | 069713 | 086182 |           |         |
| SCB          | **     | *    | *      | D  | C       | 069713 | 086182 |           |         |

## Documents

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

## Customer statement / workshop findings

Front seat belt system presenter intermittent in operation

## Technical background

The front seat cushions occupancy sensor may intermittently, dependant on occupant size and posture, fail to deploy the seat belt presenter. This can be attributed to changes in the sensor status from occupant present to occupant not present during the process of entering the car, closing the door and shifting load applied onto the seat

## Production change

A new control module fitted from VIN SCBFK63W0DC086182 has increased hysteresis in respect to its response to the occupancy status input. In effect the control module will maintain an occupied status for a maximum of 3 seconds, after the sensor changes to an unoccupied state

## Measure

In the event of a customer reporting front seat belt presenter intermittent operation then the following procedure should be considered as part of your diagnosis

1. If the fault occurs with a petite, low percentile person (approximately 5<sup>th</sup> percentile) then only Operation 2 is valid for a system improvement  
Note: The following details the process for the right hand front seat the same procedure should be performed on the left hand front seat at the same time even if the presenter function is not suspect on the adjacent seat
2. Endeavour to qualify the customer concern ensure that the concern fits the criteria for this TPI



Figure 1

3. First check the occupancy sensor, E31, is function correctly (see Figure 1)



Figure 2

- Disconnect connector T2ge at the occupancy sensor (E31 Drivers, E32 Passengers). The 2 way connection can be identified by its blue connector housing located under the seat frame adjacent to the inboard seat runner (see Figure 2)

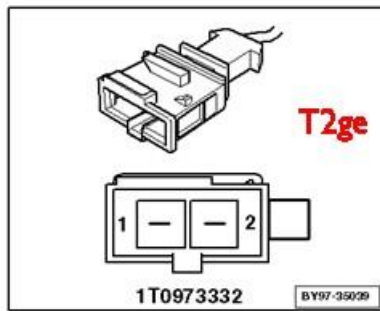


Figure 3

- With T2ge connector disconnected and an occupant sat in a natural position on the seat, with their back against the backrest, measure the resistance through the occupancy sensor (see Figure 3)

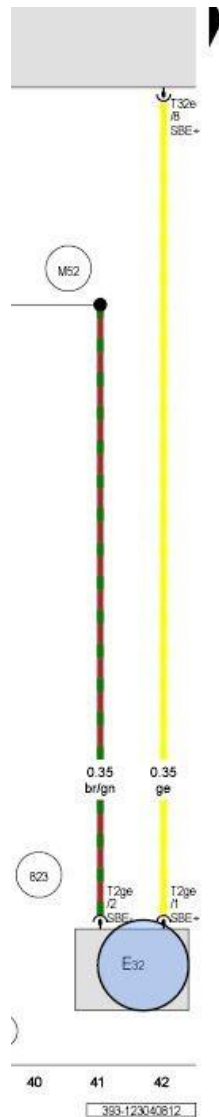


Figure 4

- If the resistance of the sensor with the seat occupied is greater than 90 Ohms then the sensor is faulty and should be replaced
- Once the occupancy sensor is known to function to specification (operation 2) then remove and discard the original seat adjustment control unit with memory (J136 Drivers, J521 passengers) and replace with the latest level part (part number 4W0.959.760)
  - The J136, J521 seat control unit is located under the seat frame reference workshop manual Rep. Gr. 72 Front seat control unit (J136, J521) – To remove and fit



Figure 5

6. Once both seat control modules have been change to part number 4W0.959.760 then apply a blue paint spot to each seat base adjacent to the rear footwell lamp (see Figure 5)

### Warranty accounting instructions

To replace the seat occupancy sensor

Warranty Type 110 or 910

Labour Operation Code 69 56 49 00

Damage Service Number 69 56

Damage Code 00 40

Time 140 TU

To replace the seat control module

Warranty Type 110 or 910

Labour Operation Code 72 93 49 00

Damage Service Number 72 93

Damage Code 00 40

Time 50 TU

### Parts information

| Original part number | Replacement part number |
|----------------------|-------------------------|
| 3W3.959.760          | 4W0.959.760             |