

# Technical product information

<b>Topic</b>	Bentley Dynamic ride system fault within the DIP - DTC C129600 logged
<b>Market area</b>	Bentley: worldwide (2WBE),Hongkong-Macau (5HK)
<b>Brand</b>	Bentley
<b>Transaction No.</b>	2054300/2
<b>Level</b>	EH
<b>Status</b>	Released for publishing
<b>Release date</b>	03-Jul-2020

## Event memory entries

Diagnostic address	Event memory entry	Fault type	Fault status
00D4 - Sway stabilization 1	C129600: Sway stabilization control module		Intermittent
00D4 - Sway stabilization 1	C129600: Sway stabilization control module		static
00D5 - Sway stabilization 2	C129600: Sway stabilization control module		Intermittent
00D5 - Sway stabilization 2	C129600: Sway stabilization control module		static

## New customer code

Object of complaint	Complaint type	Position
running gear -> adaptive suspension, pitch and roll compensation	functionality	
vehicle service -> vehicle diagnosis -> guided fault finding	control units, services -> with event log entry	
running gear -> adaptive suspension, pitch and roll compensation	component / consumables	

# Vehicle data

## Bentayga

### 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		*	*	*

# Documents

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

## Customer statement / workshop findings

Bentley Dynamic ride system fault (Figure 1) within the Drivers Information Panel (DIP) with DTC C129600 logged within the Front anti roll bar control unit (Diagnostic address D4) and/or the Rear anti roll bar control unit (Diagnostic Address D5)

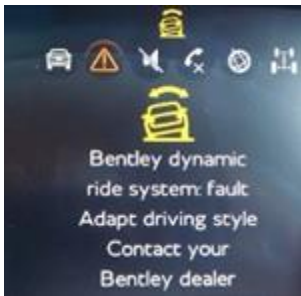


Figure 1

## Technical background

Should the symptoms be evident as described, refer to the Measure section of this TPI, ensure both of the suggested earth points are checked regardless if the DTC is logged in the front or rear anti roll bar control unit

## Production change

Extra Quality checks are in place at the time of Production

## Measure



This vehicle uses a 48v system, please refer to "48v system - safety precautions" before working on this system



The 48v system must only be activated and deactivated by suitably qualified personnel.



1) Ensure the 48v system is deactivated prior to starting any work on the 48v system. Refer to "48v system - to activate and deactivate".

2) Remove the right hand front wheel - Refer to Repair manual Rep. Gr 44

- Remove the right hand front wheel arch liner - Refer to Repair manual Rep. Gr 66
- Referring Figure 2 and Repair manual wiring diagrams locate earth point number 13

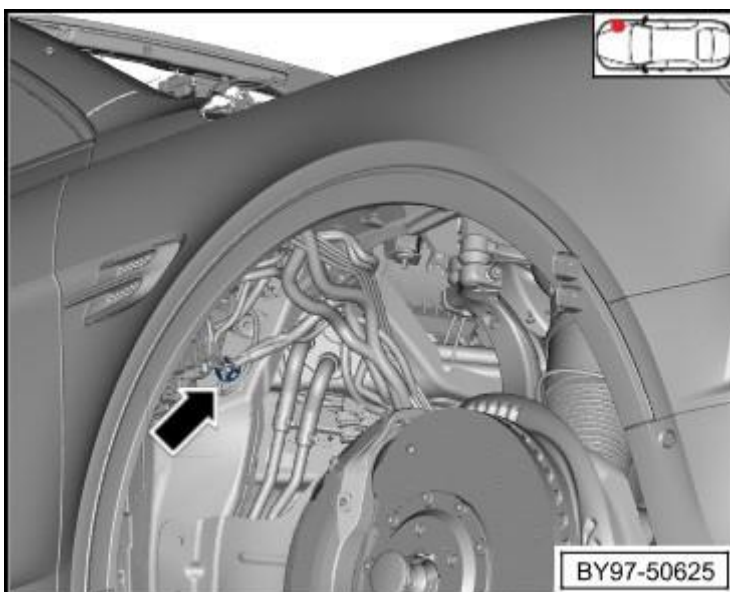


Figure 2

3) With care - Remove the earth point fixing - Carry out the following checks

- Check for any paint/dirt residue on the actual earth point - Use suitable abrasive material to remove any paint or dirt

- Check the earth cable terminal to ensure it is free from paint or dirt - Use suitable abrasive material to remove any paint or dirt
- Refit the earth cable terminal and fixing nut
- Torque the earth point fixing nut to 9 Nm

4) Referring to Repair manual Rep.Gr 27 - Gain access to the DcDc converter

IMPORTANT: Figure 3 shows the earth point (730) on 4/5 seat specification vehicles -Figure 4 shows the earth point location (53) for 7 seat specification vehicles

- **4 and 5 seat variants** - Referring Figure 3 and the Repair manual wiring diagrams locate earth point number 730

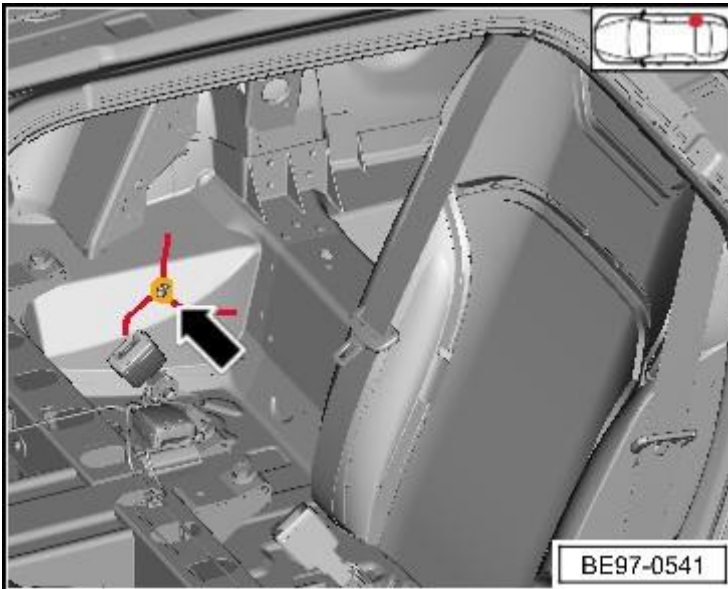


Figure 3

- **7 seat variants** - Referring Figure 4 - Locate earth point number 53 (Situated to the right hand side of the rear floor panel) to gain access remove the rear bench assembly - 3rd row - Refer to Repair manual Rep.Gr 72 Rear bench seat assembly - 3rd row (7 seat) - to remove and fi

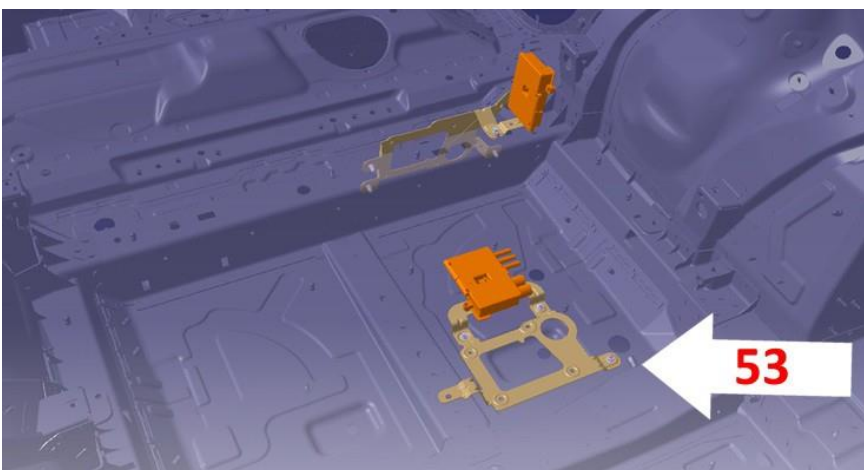


Figure 4

#### All seat variants

5) With care - Remove the earth point fixing - Carry out the following checks

- Check for any paint/dirt residue on the actual earth point - Use suitable abrasive material to remove any paint or dirt
- Check all earth cable terminals to ensure they are free from paint or dirt - Use suitable abrasive material to remove any paint or dirt
- Refit the earth cable terminals and fixing nut
- Torque the earth point fixing nut to 3Nm + 45°
- Erase DTC C129600 using a suitable diagnostic tool
- Carry out a short road test

6) Confirm the DTC is no longer evident NOTE: Raise a DISS query if DTC C129600 is still evident

## Warranty accounting instructions

### Earth Point checks

Warranty type	110 or 910
Labour Operation Code	97 98 42 00 (Use 97 98 42 99 until 11/04/19)
Damage service number	97 98
Damage code	00 55
Time	70 Time units

### Road test

Warranty type	110 or 910
Labour Operation Code	01 21 00 00
Damage service number	97 98
Damage code	00 55
Time	50 Time units