

Technical product information

Topic	Bentley Dynamic ride system fault within the DIP - DTC C129600 logged
Market area	Bentley: worldwide (2WBE),Hongkong-Macau (5HK)
Brand	Bentley
Transaction No.	2054300/1
Level	EH
Status	Approval
Release date	

Event memory entries

Diagnostic address	Event memory entry	Fault type	Fault status
00D4 - Roll Control System 1	C129600: Sway Stabilization Control Module		Intermittent
00D4 - Roll Control System 1	C129600: Sway Stabilization Control Module		static
00D5 - Roll Control System 2	C129600: Sway Stabilization Control Module		Intermittent
00D5 - Roll Control System 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		*	*	*

Documents

Document name
master.xml

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 rollbar control unit (Diagnostic address D4) and/or the Rear antirollbar control unit (Diagnostic Address D5)

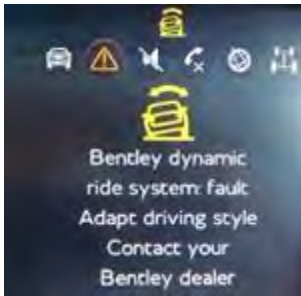


Figure 1

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 rollbar 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**

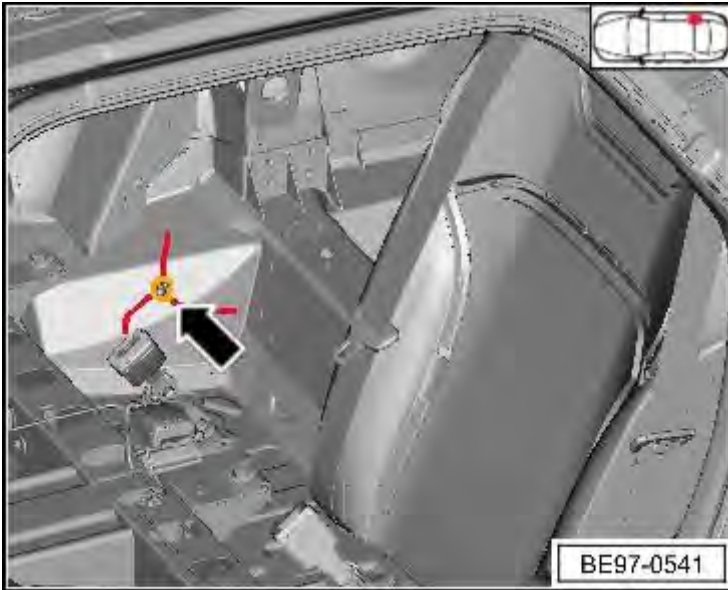


Figure 3

- **7 seat variants** - Referring Figure 4 - Locate earth point **number 53** (Situating 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 fit

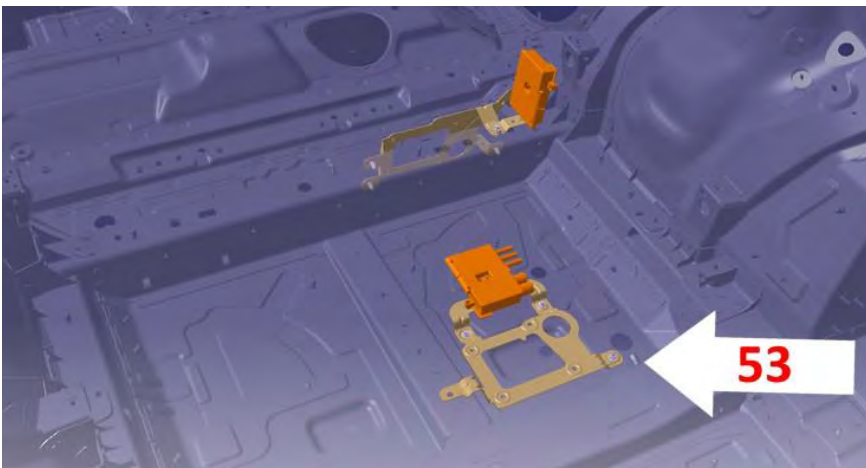


Figure 4

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	97984200 (Use 97984299 until 11/04/19)
Damage service number	9798
Damage code	0055
Time	70 Timeunits

Road test

Warranty type	110 or 910
Labour Operation Code	01210000
Damage service number	9798
Damage code	0055
Time	50 Timeunits