

Technical product information

Topic	Bentayga - Bentley dynamic ride system fault - warning
Market area	Bentley: worldwide (2WBE),Hongkong-Macau (5HK)
Brand	Bentley
Transaction No.	2046545/3
Level	EH
Status	Approval
Release date	

New customer code

Object of complaint	Complaint type	Position
running gear -> shock absorber/suspension control -> roll compensation	functionality -> without function / defect	

New workshop code

Object of complaint	Complaint type	Position
running gear -> actuation, dynamics and braking controls -> control unit for anti-roll bar decoupling	functionality -> faulty	

Vehicle data

Bentayga

Sales types

Type	MY	Brand	Designation	Engine code	Gearbox code	Final drive code
4V1*	2017	E		*	*	*

Documents

Document name
master.xml
master.doc

Customer statement / workshop findings

"Bentley dynamic ridesystem fault" displayed on Driver Instrument Panel.



Technical background

Diagnostic Trouble Codes (DTC's) stored in Electronic Control Modules (ECM) **00D4 Roll Control System 1 (Front Axle)** and **00D5 Roll Control System 2 (Rear Axle)**

C124E00: "48V System Fault active"

C129600: "Sway stabilisation control module"

B200FFE: "Internal Malfunction"

Production change

Measure

With reference to Electronic Control Modules:

00D4 Roll Control System 1 (Front Axle)

00D5 Roll Control System 2 (Rear Axle)

In the event that DTC's **C124E00** or **C129600** are stored in either of the two Roll Control System ECM's, and the opposing Roll Control System ECM has DTC **B200FFE** stored, the DTC **B200FFE** should be ignored, any investigative action should focus on the ECM with fault codes C124E00 or C129600.

C124E00: "48V System Fault active" — **Symptom 13636352**.

C129600: "Sway stabilisation control module" — **Symptom 12681232**.

B200FFE: "Internal Malfunction"

For example - If ECM **00D4 Roll Control System 1 (Front Axle)** contains DTC **B200FFE** and **00D5 Roll Control System 2 (Rear Axle)** contains one or both of the two DTC's **C124E00** or **C129600**, the Diagnostic Trouble Code contained within **00D4** should be ignored and any investigation should focus on **00D5**, and vice versa

Note: If a different "Symptom" number is displayed within the fault code this Technical Product Information document is not applicable, in this instance please raise a DISS query and attach a diagnostic log showing the specific fault code and "Symptom" number – figure 1.

Address: 00D4 System name: Roll Control System 1 (Front Axle) Protocol variant: UDS/ISOTP (Events: 3)

Extended ambient conditions:

Entry in fault memory

Number:	→	C129600: Sway Stabilization Control Module
Fault type 2:		passive/sporadic
Symptom:	→	12681232
Status:		00001000

Standard ambient conditions:

Extended ambient conditions:

Figure 1

Work

Check the integrity of the 48V connector of the affected Electronic Control Unit, if no abnormality is found with the wiring or connector then continue to replace the affected Electronic Control Unit.