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

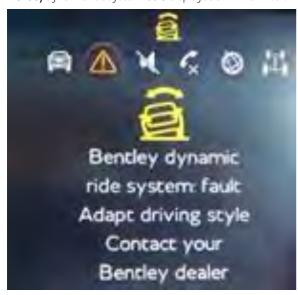
Тур	e MY	Brand	Designation	Engine code	Gearbox code	Final drive code
4V1	* 2017	E		*	*	*

Documents

Document name master.xml master.doc

Customer statement / workshop findings

"Bentley dynamic ride system 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)**

Transaction No.: 2046545/3

C124E00: "48V System Fault active"

C129600: "Sway stabilisation control module"

B200FFE: "Internal Malfunction"

Production change

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Measure

With reference to Electronic Control Modules:

00D4RollControlSystem1(FrontAxle)

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.

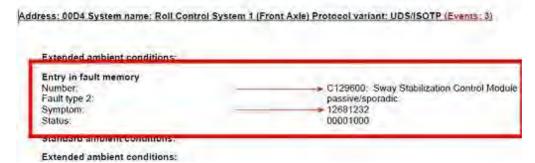


Figure 1

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.