

Technical product information

Topic	W12-'Bentley dynamic ride system' warning displayed-'P0B2500: Hybrid/EV Battery "A" Voltage low' stored.
Market area	Bentley: worldwide (2WBE),Hongkong-Macau (5HK)
Brand	Bentley
Transaction No.	2051965/1
Level	EH
Status	Approval
Release date	

Event memory entries

Diagnostic address	Event memory entry	Fault type	Fault status
0021 - Battery Energy Control Module 2	P0B2500: Hybrid/EV Battery "A" Voltage Low		Intermittent
0021 - Battery Energy Control Module 2	P0B2500: Hybrid/EV Battery "A" Voltage Low		static

New customer code

Object of complaint	Complaint type	Position
running gear -> shock absorber/suspension control -> roll compensation	functionality -> defective function sequence	
running gear -> adaptive suspension, pitch and roll compensation	functionality	
information, navigation, communication, entertainment -> symbolic control indicators -> warning lamp for electronic stabilisation programme (ESC)	functionality -> activates	

Vehicle data

Bentayga/New Continental GT W12

Sales types

Type	MY	Brand	Designation	Engine code	Gearbox code	Final drive code
3S3*	2018	E		DDB*	*	*
3S3*	2019	E		DDB*	*	*
4V1*	2017	E		DDBB	*	*
4V1*	2018	E		DDBB	*	*

Chassis numbers

Manufacturer	Filler	Type	Filler	MY	Factory	From	To	Prod from	Prod to
SCB	*	*	*	*	C	000001	070387		
SJA	*	*	*	*	C	000001	020736		

Documents

Document name
master.xml
mvp.jpg

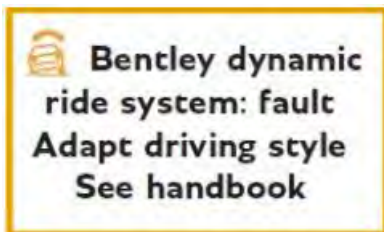


W12-'Bentley dynamic ride system' warning displayed-'P0B2500: Hybrid/EV Battery "A" Voltage low' stored.

Customer statement / workshop findings

Customer statement:

'Bentley dynamic ride system: fault' displayed on Drivers instrument panel.



Workshop findings:

Fault code '**P0B2500: Hybrid/EV Battery "A" Voltage low**' stored in **address 21-Battery Energy Control Module 2**

Technical background

Internal fault with super capacitor.

Production change

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Measure

Only vehicles up to and including the following VIN numbers are affected by this TPI;

Bentayga W12- SJA AF14V4JC020736

New Continental GT W12- SCBCA13S0KC070387

Measure:

Read the following MVB's to check the difference between the **highest cell voltage** and the **lowest cell voltage**.

21-Battery Energy Control Module 2 → MVB → IDE08217 and IDE8218

A screenshot of a diagnostic tool window titled "Read measured values". It displays a table with three columns: "Measured value name", "ID", and "Value". The table is divided into two main sections: "maximum voltage for battery cells" and "minimum voltage for battery cells". Each section contains a "value" row with a formula "[LO]_Test_Program_Cell_voltage" and a numerical value (1.851 V and 1.78 V respectively). Below each formula row are two rows for "[LO]_Cell_voltage_Textual" and "[LO]_Cell_Index_Textual". The "Index 1" row for each section has a value of "MAS01234". At the bottom of the window, there is a "Search" field and four buttons: "Select measured values", "Stopping update", "Update once", and "OK".

Measured value name	ID	Value
maximum voltage for battery cells	IDE08217	
value	MAS02985	
[LO]_Formula		
[LO]_Test_Program_Cell_voltage		1.851 V
[LO]_Cell_voltage_Textual		numerical value, no text
Index 1	MAS01234	
[LO]_Cell_Index_Textual		numerical value, no text
minimum voltage for battery cells	IDE08218	
value	MAS02985	
[LO]_Formula		
[LO]_Test_Program_Cell_voltage		1.78 V
[LO]_Cell_voltage_Textual		numerical value, no text
Index 1	MAS01234	
[LO]_Cell_Index_Textual		numerical value, no text

If there is a difference of **0.5v** or more between the **highest** cell voltage and **lowest** cell voltage **and** the fault code '**P0B2500: Hybrid/EV Battery "A" Voltage low**' is stored in **address 21-Battery Energy Control Module 2**, replace the super capacitor with the latest version according to ETKA.