# **Technical product information**

Topic	Bentley dynamic ride system warning displayed - DTC P0B2500: Hybrid/EV Battery "A" Voltage low' stored (48 volt system)
Market area	Bentley: worldwide (2WBE)
Brand	Bentley
Transaction No.	2068946/2
Level	EH
Status	Approval
Release date	

# **Event memory entries**

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

#### New customer code

Object of complaint	Complaint type	<b>Position</b>
	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/C and New Flying Spur

# Sales types

Type	MY	<b>Brand</b>	Designation	Engine code	Gearbox code	Final drive code
3S3*	2018	Е		*	*	*
3S3*	2019	E		*	*	*
3S3*	2020	Е		*	*	*
3S3*	2021	Е		*	*	*
3S3*	2022	Е		*	*	*
3S3*	2023	Е		*	*	*
3S4*	2019	Е		*	*	*
3S4*	2020	Ε		*	*	*
3S4*	2021	Е		*	*	*
3S4*	2022	Е		*	*	*
3S4*	2023	Е		*	*	*
4V1*	2017	Е		*	*	*
4V1*	2018	Е		*	*	*
4V1*	2019	Е		*	*	*
4V1*	2020	Е		*	*	*
4V1*	2021	Е		*	*	*
4V1*	2022	Е		*	*	*
4V1*	2023	Е		*	*	*
ZG2*	2019	Е		*	*	*
ZG2*	2020	Е		*	*	*
ZG2*	2021	E		*	*	*
ZG2*	2022	E		*	*	*
ZG2*	2023	E		*	*	*
ZV1*	2023	E		*	*	*

# **Documents**

Document name master.xml

#### **Technical product information**

Bentley dynamic ride system warning displayed - DTC P0B2500: Hybrid/EV Battery "A" Voltage low' stored (48 volt system)

Transaction No.: 2068946/2

# Customer statement / workshop findings

#### **Customer statement:**

'Bentley dynamic ride system: fault' displayed within the Drivers Instrument Panel (DIP)

# Workshop findings:

DTC 'POB2500: Hybrid/EV Battery "A" Voltage low' stored within address 21-Battery Energy Control Module 2

# Technical background

Possible internal fault with super capacitor, refer to the Measure section of this TPI



#### **WARNING**

Hybrid vehicles use a High voltage system and MUST only be worked on by suitably qualified personnel

#### Revision history - 2051965/2

Header data updated to include extended model years

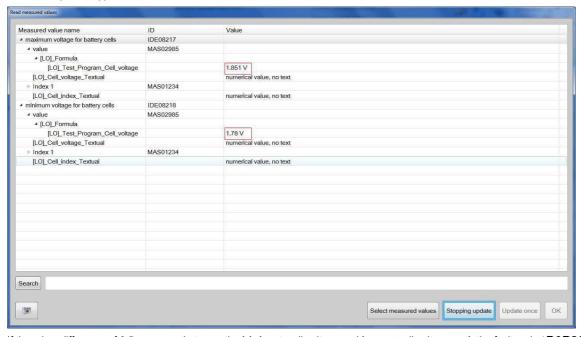
# **Production change**

Not applicable

#### 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



If there is a difference of 0.5v or more between the highest cell voltage and lowest cell voltage and the fault code 'POB2500: Hybrid/EV Battery "A" Voltage low' is stored in address 21-Battery Energy Control Module 2 - Referring to the applicable Rep. Gr 93 - Replace the Super capacitor

# Warranty accounting instructions

Warranty type 110 or 910

Damage service number

Damage code

# **Bentayga**

Labour operation code 93 50 19 00

Time - 40 TU

Diagnosis time - 01 50 00 00 as per ODIS log must not exceed - 10 TU

Power electronics removed and installed - 93 50 19 50 - 10 TU

#### New Flying Spur

Labour operation code - 93 50 19 00 (Use 99 index until 29/06/23)

Time - 40 TU

Diagnosis time - 01 50 00 00 as per ODIS log must not exceed - 10 TU

Power electronics removed and installed - 93 50 19 50 10 TU (Use 99 index until 29/06/23)

# New GT/C

Labour operation code 93 50 19 00

Time - 40 TU

Diagnosis time - 01 50 00 00 as per ODIS log must not exceed - 10 TU

Power electronics removed and installed - 93 50 19 50 - 10 TU

# All models

De-energise and re-energise the high voltage system - 93 10 00 00 - 30 TU

# Parts information

Refer to the ETKA parts catalogue