Technical product information

Topic	HV battery will not charge - DTC's stored in address 19 (C11C5F2) and address C6 (P0D6D00) for the High Voltage System
Market area	Bentley: worldwide (2WBE)
Brand	Bentley
Transaction No.	2067185/1
Level	EH
Status	Approval
Release date	

Event memory entries

Diagnostic address	Event memory entry	Fault type	Fault status
0019 - Data Bus OBD Interface	C11C5F2: High-voltage system Wiring circuit 2 open		static
0019 - Data Bus OBD Interface	U112300: Databus error value received		static
00C5 - Thermal management	P0D6D00: A/C Compressor Motor Voltage Low		static

New customer code

Object of complaint	Complaint type	Position
electrical power, electric system, data transfer -> battery management -> charging high-voltage battery	functionality -> defective function sequence	

Vehicle data

New Flying Spur Hybrid

Sales types

Type	MY	Brand	Designation	Engine code	Gearbox code	Final drive code
ZG2*	2022	E		DGPF	*	*

Documents

Document name
master.xml

Technical product information

Transaction No.: 2067185/1

HV battery will not charge - DTC's stored in address 19 (C11C5F2) and address C6 (P0D6D00) for the High Voltage System

Customer statement / workshop findings

HV battery not charging and the following DTC's are stored:

Gateway (19)

- C11C5F2 – High Voltage System wiring circuit 2 open
- and
- U112300 – Databus error value received

Thermal management (C5)

- P0D6D00 – A/C compressor motor voltage low

Technical background

Internal harness failure of the High Voltage cable between the HV battery and the On-board charger

Production change

N/A

Measure

Should the below DTC's be stored please follow the onward instructions:

Gateway (19)

- C11C5F2 – High Voltage System wiring circuit 2 open
- and
- U112300 – Databus error value received

Thermal management (C5)

- P0D6D00 – A/C compressor motor voltage low

1) Carry out an Inspection and classification of the Hybrid battery unit

RepGr 93. – Electric Drive – High Voltage Battery Unit - Inspection and classification of hybrid battery unit AX1

If the classification result of the battery is 'Normal' then proceed to the step 2. If the classification result of the battery is either 'Danger' or 'Warning', move the car to the Quarantine area and raise a DISS immediately.

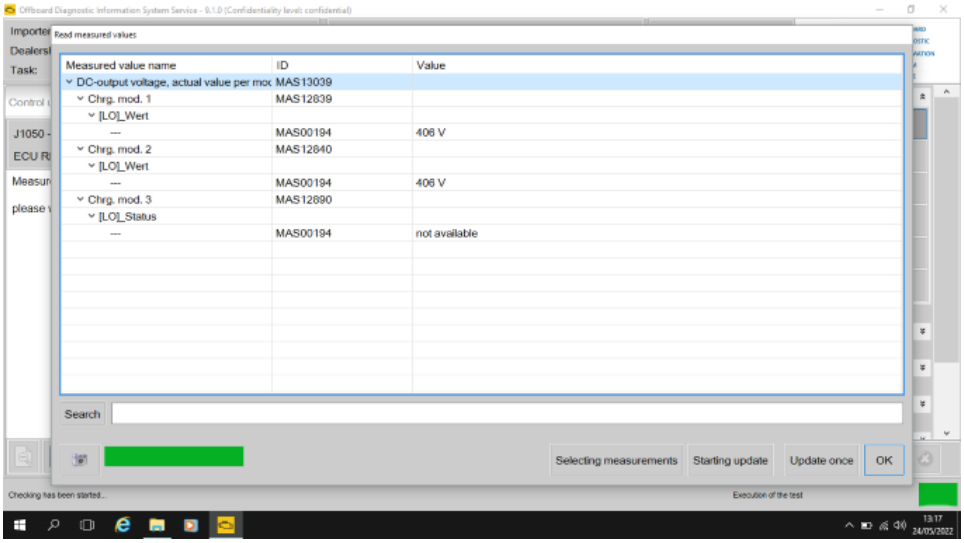
2) Read out the following MVB:

Address C6 – High-Voltage Battery Charger

Guided Functions

00C6 - Read Measured values

Select – 'MAS 13039 DC–Output voltage, actual value per module'



If both values read 0V then the High Voltage cable between the HV battery and the On-Board Charger must be replaced

3) De-energise the HV system

RepGr 93. – Electric Drive – De-energising high-voltage system

4) Replace the High Voltage cable between the HV battery and the On-Board Charger

5) Re-energise the HV system

RepGr 93. – Electric Drive – Re-energising high-voltage system

6) Clear and recheck DTC memory

7) Repeat step 2, the voltages should now read HV Battery Voltage (approximately 400V)

Warranty accounting instructions

Warranty type 910 or 110

Damage service number 93 52

Damage code 00 40

Replace charging cable

Labour operation code	93 52 19 99 (up to 14th June 2022) 93 52 19 81 (from 15th June 2022)
Time	70 TU

De-energise HV system

Labour operation code	93 10 00 00
Time	30 TU

Guided Fault Finding/Guided Function

Labour operation code	01 50 00 00
Time	TU according to diagnosis log

Parts information

Part Number	Description
971 971 602 AF	High Voltage cable