

Technical product information

Topic	Bentayga Hybrid - Home Charging Unit
Market area	Bentley: worldwide (2WBE)
Brand	Bentley
Transaction No.	2057460/3
Level	EH
Status	Approval
Release date	

New customer code

Object of complaint	Complaint type	Position
whole vehicle -> accessories -> battery charger	component / consumables -> incomplete	
electrical power, electric system, data transfer -> power supply -> high-voltage system service connector	electrics -> connector not engaged	
electrical power, electric system, data transfer -> power supply -> high-voltage system service connector	electrics -> plug not connected	

New workshop code

Object of complaint	Complaint type	Position
electrical power, electric system, data transfer -> power supply -> control unit for high-voltage charger	electrics -> connector not engaged	

Vehicle data

Bentayga - Hybrid

Sales types

Type	MY	Brand	Designation	Engine code	Gearbox code	Final drive code
4V14F9	2019	E		*	*	*
4V14F9	2020	E		*	*	*
4V14F9	2021	E		*	*	*
4V14F9	2022	E		*	*	*

Documents

Document name
master.xml

Bentayga Hybrid-Home Charging Unit

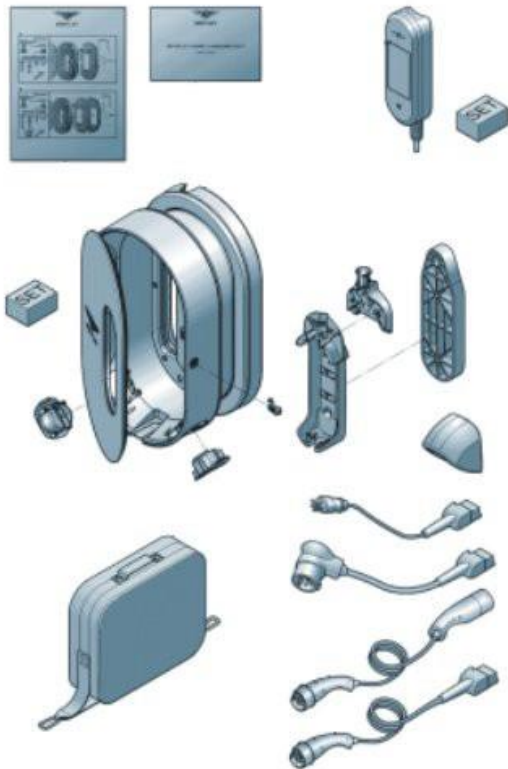
Customer statement / workshop findings

Charger for high voltage battery does not have charging cables connected.

Technical background

The Bentley Home Charging Unit IC-CPD (In Cable – Control & Protection Device) is used to charge the high voltage battery on Bentley Hybrid vehicles.

There is a legal requirement for home charging units supplied to Customers to have the Vehicle Charge Cable connected, currently the home charge unit and charging cables are supplied as individual items, this does not meet the required standard certified by *Intertek* (Certification agency) – IEC-62752, 8.2.1.



8 Requirements for construction and operation

8.2.1 General

Connections of an IC-CPD shall be designed in a way that only accessories fulfilling the requirements of 8.2 can be connected. Components of a pluggable IC-CPD shall not be interchangeable in any way other than declared by the manufacturer. Notably, pluggable connections at the function box shall not comply with standard products, for example IEC 62196 (all parts) or IEC 60309 (all parts)

Vehicle connectors and the connection to their cables shall be non-rewirable by the manufacturer.

They shall not be pluggable.



Production change

Not applicable – this requirement will be added to vehicle specific Pre-Delivery Inspection within Elsa-Pro.

Measure

Note: If multiple charge cables are supplied within the standard kit bag, the Customer should be consulted and the preferred charge cable selection should be configured.

At vehicle handover the “Charger for high voltage battery” must have the “Charging cable for vehicle” and “Charging cable mains socket” connected.

Refer to Bentley Home Charging Unit user manual.

Securing mains and vehicle charging cables to high voltage charger

The following method should be used to connect “Charging cable for vehicle” and “Charging cable mains socket” to “Charger for high voltage battery”

Note: The charge cable plugs will only connect into their respective high voltage charger sockets. Lift the lever (1) slightly.

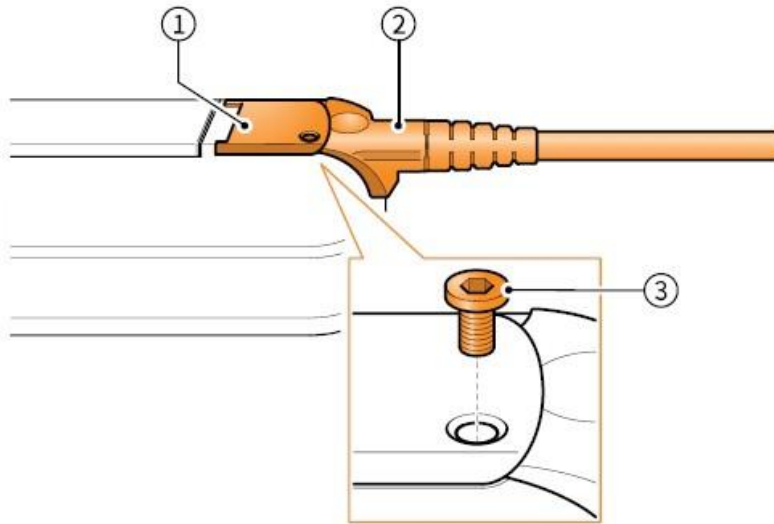
Push the connector (2) into the operating unit until the first point of resistance.

Lift the lever (1) all the way up.

Push the connector (2) all the way into the operating unit.

Close the lever (1).

Secure lever with retaining screw.



Warranty accounting instructions

Included as part of the PDI procedure.