

Technical product information

Topic	Event entry in ABS: C123EF0 hydraulic brake servo
Market area	Bentley: worldwide (2WBE),Hongkong-Macau (5HK)
Brand	Bentley
Transaction No.	2053923/1
Level	EH
Status	Approval
Release date	

New customer code

Object of complaint	Complaint type	Position
running gear -> brakes, brake control -> electronic stabilisation programme (ESC)	functionality -> without function / defect	
running gear -> brakes, brake control -> anti-lock brake system (ABS)	functionality -> without function / defect	
running gear -> brakes, brake control -> brake boost	functionality -> without function / defect	
information, navigation, communication, entertainment -> symbolic warning indicators -> parking brake warning indicator	functionality -> activates	
information, navigation, communication, entertainment -> symbolic fault indicators -> parking brake fault indicator	functionality -> activates	
information, navigation, communication, entertainment -> symbolic control indicators -> warning lamp for electronic stabilisation programme (ESC)	functionality -> activates	
running gear -> brakes, brake control -> brake boost	functionality -> defective function sequence	
information, navigation, communication, entertainment -> symbolic fault indicators -> anti-blocking system (ABS) fault indicator	functionality -> activates	

Vehicle data

Bentayga

Sales types

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

Documents

Document name
master.xml

Customer statement / workshop findings

ABS, ESC and brake warning lamps are on. The following event entry is logged in the ABS control unit: "C123EF0 hydraulic brake servo limit reached." Another event entry about the vacuum sensor for the braking assistance is also logged or has been logged before.

Technical background

If there is a malfunction on the vacuum system for the braking assistance, an HBC engagement via the ABS unit is applied with every brake application (HBC = hydraulic boost compensation). But only a limited number of HBC engagements is possible. If a limit is exceeded, the event entry "C123EF0 hydraulic brake servo limit reached" is logged in the brakes control unit and the brake control unit is permanently deactivated. The ABS unit must then be replaced.

This deactivation of the brake electronics because of an exceeded limit of HBC engagements is the result of a malfunction on the vacuum system for the braking assistance that was not fixed for a long period of time.

Production change

No change.

Measure

1) If the event entry "C123EF0 hydraulic brake servo limit reached" is logged, replace the ABS unit.

VERY IMPORTANT: At the same time the malfunction on the vacuum system for the braking assistance has to be completely repaired - even if it was active earlier and cannot be reproduced now. If the malfunction is not permanently fixed, the HBC limit will over time again be exceeded and the ABS unit deactivated.

2) Retailer to raise a DISS query or respond on an already open query to inform Product Support of the actual fault found and the solution applied, ensure all diagnostic logs are attached within the DISS query