

Technical Service Bulletin

Topic	DTC B17B801 and/or B17B804 - evident within address 0019 and/or DTC U112300 evident in 00A5
Market area	Bentley: worldwide (2WBE),China 723 Volkswagen (Anhui) Automotive CO (6723),China 796 VW Import Comp. Ltd (Vico), Beijing (6796)
Brand	Bentley
Transaction No.	2063855/11
Level	EH
Status	Released for publishing
Release date	Feb 26, 2025

Diagnostic trouble codes

Diagnostic address	Diagnostic trouble code	Fault symptom	Storage state
0019 - Data Bus OBD Interface	B17B801: Steering Wheel Touch Recognition Control Module Electrical malfunction		Intermittent
0019 - Data Bus OBD Interface	B17B804: Steering Wheel Touch Recognition Control Module faulty		Intermittent
0019 - Data Bus OBD Interface	B17B804: Steering Wheel Touch Recognition Control Module faulty		static
00A5 - Front sensor for driver assistance systems	U112300: Data bus error value received		Intermittent
0019 - Data Bus OBD Interface	B17B801: Steering Wheel Touch Recognition Control Module Electrical malfunction		static
00A5 - Front sensor for driver assistance systems	U112300: Data bus error value received		static

New customer code

Object of complaint	Complaint type	Position
assistance systems, comfort controls -> lane change assistance	functionality	
assistance systems, comfort controls -> cruise control/distance regulation -> traffic jam assist	functionality -> operation sequence incorrect	

Vehicle data

New Continental GT/GTC - New Flying Spur - Bentayga Series

Sales types

Type	MY	Brand	Designation	Engine code	Gearbox code	Final drive code
3S3*	2021	E		*	*	*
3S3*	2022	E		*	*	*
3S3*	2023	E		*	*	*
3S3*	2024	E		*	*	*
3S4*	2021	E		*	*	*
3S4*	2022	E		*	*	*
3S4*	2023	E		*	*	*
3S4*	2024	E		*	*	*
4V1*	2021	E		*	*	*
4V1*	2022	E		*	*	*
4V1*	2023	E		*	*	*
4V1*	2024	E		*	*	*
4V1*	2025	E		*	*	*
Z23*	2025	E		*	*	*
Z24*	2025	E		*	*	*
Z32*	2025	E		*	*	*
ZG2*	2021	E		*	*	*
ZG2*	2022	E		*	*	*
ZG2*	2023	E		*	*	*
ZG2*	2024	E		*	*	*
ZV1*	2023	E		*	*	*
ZV1*	2024	E		*	*	*
ZV1*	2025	E		*	*	*



Documents

Document name
master.xml



Condition

- Lane Assist and / or Traffic Assist are not functional
- DTC - B17B801 - Steering Wheel Touch Recognition Control Module evident within address 0019

And/or

- DTC B17B804 - Steering Wheel Touch Recognition Control Module electrical error - evident within address 0019

And/or

- DTC U112300 with symptom Code 1123220 within address 00A5

Technical Background

Revision history

TPI 2063855/10 - Road test is no longer required to confirm functionality, a revised ODIS routine has been added to eliminate the need to conduct a road test

Production Solution

Should the issue be evident post the following VIN's, raise a Technical DISS query and await feedback before replacing any parts

New Continental GT/C and New Flying Spur - SCBCW13S6PC004676

Bentayga - SJAH514V1PC017609

Service

CAUTION

Before any work is carried out on the vehicle. Refer to "Precautions - Passive restraint systems and components". Failure to comply with the instructions could lead to inadvertent deployment of the air bag module

- 1) Referring to Rep.Gr 69 - Remove the driver's air bag
- 2) Referring to Figure 1 - Replace the Steering Wheel Contact Detection control unit (J1158)

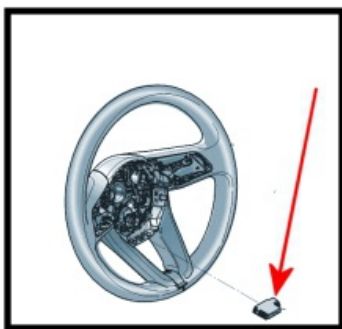


Figure 1

- 3) Referring to Rep.Gr 69 - Refit the driver's air bag
 - Referring to Rep.Gr 27 - Fit a suitable battery charger
- 4) Using ODIS navigate to 0019 (Gateway) >Guided Functions>0019 Read Measured Values>Select ID>IDE12609 (Figure 2)
 - Select Starting update

Read measured values

Measured value name	ID	Value
Steering wheel touch recognition, status	IDE12609	
Touch intensity sensor 1	MAS14836	
↳ [L.O.]_Formula		
↳ [L.O.]_Test_Program_Touch_inter		0
↳ [L.O.]_Touch_intensity_sensor_1_Text		numerical value, no text
Touch intensity sensor 2	MAS14837	
↳ [L.O.]_Formula		
↳ [L.O.]_Test_Program_Touch_inter		59
↳ [L.O.]_Touch_intensity_sensor_2_Text		numerical value, no text
Touch intensity sensor 3	MAS14838	
↳ [L.O.]_Formula		
↳ [L.O.]_Test_Program_Touch_inter		58
↳ [L.O.]_Touch_intensity_sensor_3_Text		numerical value, no text
Touch status	MAS14839	Light grip left and right
Malfunction status	MAS02832	No malfunction detected

Search

Selecting measurements Starting update Update once OK

Figure 2

- Place hands (light grip) on the steering wheel at the various points as shown in Figure 3

Hint: For clarity / photographic purposes Figure 3 is shown without steering wheel protection fitted



Figure 3

- Monitor the Sensor 2 and Sensor 3 values whilst holding the steering wheel at the points shown - **The expected values are between 40 and 60 and No malfunction Detected**

Hint: For clarity sensor 1 is not used

NOTICE

Sensor 2 and sensor 3 should recognise contact with the steering wheel and will show the values changing if the system is working to specification

5) Erase all applicable DTC's

NOTICE

If the values are between 40 and 60 **No malfunction Detected** and no warnings are evident within the DIP no further action is required

However

In the event the issue is not resolved the operative should raise a DISS query requesting permission to replace the steering wheel

Warranty

Warranty type 110 or 910

Damage service number 48 10

Damage code 00 24

Time to replace the control unit for Steering Wheel Contact Detection

Labour operation code 48 10 19 70

Time 10 TU

Time to remove and refit the drivers airbag

Labour operation code 69 58 19 00

Time 30 TU (New Continental GT / C and New Flying Spur)

20 TU (Bentayga)

Diagnosis time

Labour operation code 01 50 00 00

Time As per ODIS log (must not exceed 20 TU)

Required Parts and Tools

- Control Unit for Steering Wheel Contact Detection - J1158 - As per the ETKA parts catalogue



NOTICE

DO NOT REPLACE THE STEERING WHEEL UNLESS PERMISSION HAS BEEN GRANTED VIA A NEW OR EXISTING DISSEMINATION QUERY