

Technical product information

Topic	DTC C10BCF6 and/or DTC C12E2F2 stored in address 0003 - Parking brake warning in DIP
Market area	Russische Föderation (5RU),Australia E04 Bentley rest Asia and Australia (6E04),China 796 VW Import Comp. Ltd (Vico), Beijing (6796),Germany E02 Bentley rest Europe (6E02),Japan E03 Bentley Japan (6E03),Korea, (South) E08 Bentley South Korea (6E08),United Arab Emirates E06 Bentley Middle East and Africa (6E06),United Kingdom E01 Bentley UK (6E01),United States E05 Bentley USA and rest America (6E05)
Brand	Bentley
Transaction No.	2064519/2
Level	EH
Status	Approval
Release date	

Event memory entries

Diagnostic address	Event memory entry	Fault type	Fault status
0003 - Brake Electronics	C10BCF6: Left parking brake motor Engine speed implausible		static
0003 - Brake Electronics	C12E2F2: Right parking brake motor Engine speed implausible		static

New customer code

Object of complaint	Complaint type	Position
running gear -> brakes, brake control -> electronic parking brake (EPB)	functionality -> without function / defect	
information, navigation, communication, entertainment -> symbolic warning indicators -> parking brake warning indicator	functionality -> activates	

Vehicle data

New Continental GT/GTC and New Flying Spur

Sales types

Type	MY	Brand	Designation	Engine code	Gearbox code	Final drive code
3S3*	2018	E		*	*	*
3S3*	2019	E		*	*	*
3S3*	2020	E		*	*	*
3S3*	2021	E		*	*	*
3S3*	2022	E		*	*	*
3S4*	2019	E		*	*	*
3S4*	2020	E		*	*	*
3S4*	2021	E		*	*	*
3S4*	2022	E		*	*	*
ZG2*	2020	E		*	*	*
ZG2*	2021	E		*	*	*
ZG2*	2022	E		*	*	*

Documents

Document name
master.xml

Customer statement / workshop findings

Customer statement

Parking brake warning light evident within the DIP (See example shown in Figure 1)



Figure 1

NOTE: Please also refer to the Owner's Handbook regarding the applicable red warning light and description (Figure 2)

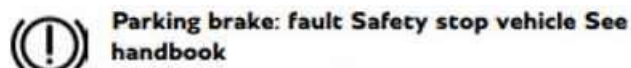


Figure 2

Workshop

findings

C10BCF6 - Left parking brake motor Engine speed implausible OR

C12E2F2 - Right parking brake motor Engine speed implausible

Technical background

In the event that one or a combination of the afore mentioned issues are evident - Refer to the Measure section of this TPI

IMPORTANT NOTE TO PRODUCT SUPPORT:

Once steps 1 to 9 have been conducted, Product Support MUST second level the applicable DISS query (once received) to the appropriate Senior Engineer for review

Step 10 MUST only be conducted once permission has been received from the applicable Senior Engineer (via second level)

Production change

Not applicable

Measure

VERY IMPORTANT:

- The operative should request the following information from the customer, the received information should be added to a new or existing technical DISS query including a current up to date ODIS log

1) Record all relevant customer scenario feedback as follows:

- How does the customer use the (Electronic Parking brake) EPB? For example:

- Is the vehicle parked without applying the EPB being applied ('P' gear selection only)

- Has the customer experienced any functionality issues with the

EPB? Or

- What was the driving scenario when the EPB warning illuminated? For example:

- During vehicle start up?

- Whilst driving?

- During/after an auto hold event?

HINT: Save all requested information as this will be required to be attached to a new or existing technical DISS query later within this process

Comments

- The operative should also capture the Electronic parking Brake (EPB) Measured values shown below from diagnostic address 0003 Brake electronics, the values MUST be uploaded to a new or existing DISS query

Measured values for EPB

[IDE13423]_Working order of left actuator
[IDE13427]_Working order of right actuator
[IDE13431]_Gap of left actuator
[IDE13432]_Gap of right actuator
[VO]_PBC Knocking counter Left Actuator
[VO]_PBC Knocking counter Right Actuator
[IDE13455]_Calibration value of right actuator
[IDE13454]_Calibration value of left actuator
[IDE13463]_Left actuator status
[IDE13468]_Right actuator status
[VO]_EPBi Apply Counter

2) Referring to Rep.Gr 46 - Remove the rear brake discs

3) Carry out an inspection of the rear (Electronic Parking Brake EPB) actuators and system

4) Referring to the applicable wiring diagram - Conduct an inspection and check the electrical integrity of the (EPB) connections and wiring to the relevant/applicable actuator (Right and or Left hand side)

5) In a suitably ventilated workspace in conjunction with applicable protective work wear and a dust mask - Use a suitable cleaning agent to remove any brake dust to ensure all parking brake components are free of dust/debris

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As part of the visual inspection, consider dirt and debris in system

VERY IMPORTANT: The operative should take clear photographs/videos of any objects or debris that is evident or is collected from the assembly upon first inspection

- Refit the rear brake discs and rear road wheels as per Rep.Gr 46
- Referring to Rep.Gr 46 - EPB maintenance mode - Conduct the remaining instructions to completion

6) Adjust the rear brake shoe air gap

Following the adjustment of the rear brake shoes, the bedding in procedure should also be performed - Refer to "Reworking (Grinding) park

brake shoes."

7) Recheck the air gap of rear brake shoes (EPB) as follows:

- Using the ODIS - Select 03 Brakes "Guided Functions"
- Select "Check or adjust air gap (Rep.Gr.45)" and perform the routine

8) Save the ODISlog



9) Raise a new DISS technical query or respond via the existing DISS query ensuring all previously requested information is attached (Step 1) including all detailed information relating to the work already conducted

HINT: Do Not conduct any further work until instructed via DISS

IMPORTANT NOTE FOR PRODUCT SUPPORT:

Product Support MUST second level the applicable DISS query to the appropriate Senior Engineer for review once steps 1 to 9 have been conducted

Step 10 MUST only be conducted once permission has been received from the applicable Senior Engineer (via second level)

10) In the event that no other issues have been found and permission has been granted via the open DISS query - Replace the defective actuator - Rep.Gr 46

NOTE: Should any other parking brake system components be found to be at fault Or

The issue is evident, the operative should attach photographs/videos and details of any issues found raise a new or respond via the existing DISS query

Warranty accounting instructions

Warranty type - 110 or 910

Damage Service Number 46 63

Damage Code 00 40

Time to conduct the actuator inspection

Labour

Labour Operation Code 46 85 01 00

Time 20 TU

Time to conduct the wiring integrity check

Labour

Labour Operation Code 97 09 01 00

Time 50 TU

Time to replace x1 (EPB) actuator

Labour

Labour Operation Code 46 85 19 50

Time 10 TU

Time to remove and refit x1 wheel

Labour

Labour Operation Code 44 05 19 00

Time 10 TU

Time to remove and refit x1 rear brake disc

Labour

Labour Operation Code 46 53 19 50

Time 110 TU

Time to remove and refit rear brake shoes

Labour

Labour Operation Code 46 23 20 50

Time 20 TU

Parts information

Refer to the ETKA parts catalogue