

Technical Service Bulletin

Topic	Drive System Fault in Kombi with DTC P0C5100 present Continental GT/GTC/Flying Spur 25MY
Market area	Bentley: worldwide (2WBE),China 796 VW Import Comp. Ltd (Vico), Beijing (6796)
Brand	Bentley
Transaction No.	2080242/1
Level	EH
Status	Released for publishing
Release date	Jan 6, 2026

Diagnostic trouble codes

Diagnostic address	Diagnostic trouble code	Fault symptom	Storage state
0051 - Electric drive	P0A4000: Drive Motor "A" Position Sensor Circuit Range /Performance		Intermittent
0051 - Electric drive	P0C5100: Drive Motor "A" Position Sensor Circuit "A" Range /Performance		Intermittent
0051 - Electric drive	P0C5100: Drive Motor "A" Position Sensor Circuit "A" Range /Performance		static
0051 - Electric drive	P0A4000: Drive Motor "A" Position Sensor Circuit Range /Performance		static

New customer code

Object of complaint	Complaint type	Position
engine -> engine operation -> combined motor/electro-drive motor driving mode	functionality -> no function	
engine -> engine operation -> electro-drive mode	functionality -> no function	

Vehicle data

25MY Continental GT/GTC & Flying Spur

Sales types

Type	MY	Brand	Designation	Engine code	Gearbox code	Final drive code
Z23*	2025	E		*	*	*

Z24*	2025	E		*	*	*
Z32*	2025	E		*	*	*

Documents

Document name
master.xml

Condition

Customer statement

A drive system fault is displayed in the instrument cluster.

Workshop findings:

Customer findings verified in the workshop with the following DTC are stored in the electric drive control unit (diagnostic address 0051):

- P0A4000: Drive Motor "A" Position Sensor Circuit Range/Performance
- P0C5100: Drive Motor "A" Position Sensor Circuit "A" Range/Performance

Technical Background

Incorrect or unstable signals from the drive motor position sensor can disrupt torque control and trigger fault codes in the Electric Drive system.

Production Solution

Not Applicable

Service



DANGER

High voltage can cause fatal injury. Danger of severe or fatal injuries from electric shock



WARNING

Risk of Electric Shock: Disconnect the vehicle's 12V battery before working on electrical connectors to prevent accidental short circuits or injury.



CAUTION

Follow safety precautions! Refer to "Safety precautions when working on high-voltage system" → Rep. Gr. 00

1. Log all MVBs in 0051 (J841) – Electric Drive to capture sensor and system data

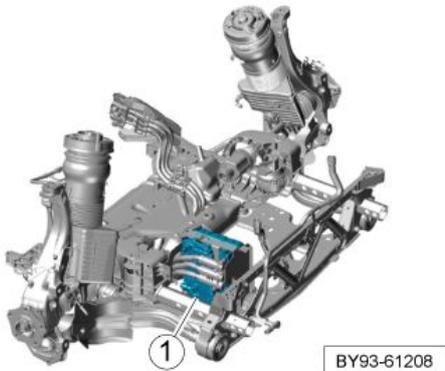
In the event of a complaint, the functional check "J841 Read measured values" must be performed in ⇒ Guided Fault Finding

Log the results.

2. Inspect wiring harness and connector terminals at the transmission sensor and Power Electronics (A37)

Check T8aa (8-pin connector, black), TMR (Coupling point in engine compartment, right), and T32am (32-pin connector, black) for:

- Physical damage (broken housing, bent pins, cracked insulation)
- Pin drag (verify terminal tension using correct test tool)
- Corrosion or contamination (look for rust, green deposits, dirt, oil, moisture)



The electric drive control unit (DC/AC converter for drive motor -A37-) -1- is located on the right hand side of the engine.



To access the transmission sensor and Power Electronics (A37), follow the instructions below:

- Position the vehicle on a ramp, refer to ElsaPro Booklet 404
- De-energise the HV system, refer to ElsaPro Repair Group 93
- Disconnect the 12V battery, refer to ElsaPro Repair Group 27
- Remove the right hand front wheel, refer to ElsaPro Repair Group 44
- Remove the front right hand wheelarch liners, refer to ElsaPro Repair Group 66.

4. Rebuild the vehicle ensuring all fasteners are torqued to specification. Installation of removed parts is the reverse of removal procedure.

5. Perform the following:

- Re-energise the HV system, refer to ElsaPro Repair Group 93
- Connect the 12V battery, refer to ElsaPro Repair Group 27

6. Perform Basic Settings on 0051 - Electric Drive using the diagnostic tool

- Select Control unit list
- Select 0051 - Electric drive
- Select Guided functions
- Select 'Basic Settings' and follow the on screen prompts

7. Log all MVBs in 0051 (J841) – Electric Drive to capture sensor and system data

After performing basic settings on 0051, the functional check "J841 Read measured values" must be performed again in → Guided Fault Finding

8. Clear DTCs, perform a test drive, and re-read DTCs.

NOTICE

Send the diagnosis logs online via a Technical DISS query to product support second level. Write the number of this TPI 2080242/* in the field "workshop findings". Await response for further instructions.

Warranty

Warranty type 110 or 910

Damage service number 97 09

Damage code 00 28

De-energising high-voltage system

Labour operation code 93 10 00 00

Time 10 TU

Battery earthing strap remove+install

Labour operation code 97 85 19 07

Time 80 TU

Central wiring harness check

Labour operation code 97 09 01 00

Time 10 TU

GFF guided fault finding

Labour operation code 01 50 00 00

Time 20 TU

Test drive

Labour operation code 01 21 00 01

Time 30 TU