Connection offline

Technical product information

Topic	Drive System Fault in Kombi with DTC P0C5100 present | Continental GT/GTC/Flying Spur
Market area	Bentley: worldwide (2WBE),China 796 VW Import Comp. Ltd (Vico), Beijing (6796)
Brand	Bentley
Transaction No.	2080242/4
Level	EH
Status	
Release date	26 Oct 2026

Event memory entries

Diagnostic address	Event memory entry	Fault type	Fault status
0051 - Electric drive	P0C5100: Drive Motor "A" Position Sensor Circuit "A" Range /Performance		static
0051 - Electric drive	P0C5B00: Drive Motor "A" Position Sensor Circuit "B" Range /Performance		Intermittent
0051 - Electric drive	P0C5100: Drive Motor "A" Position Sensor Circuit "A" Range /Performance		Intermittent
0051 - Electric drive	P0A4000: Drive Motor "A" Position Sensor Circuit Range /Performance		Intermittent
0051 - Electric drive	P0A4000: Drive Motor "A" Position Sensor Circuit Range /Performance		static
0051 - Electric drive	P0C5B00: Drive Motor "A" Position Sensor Circuit "B" Range /Performance		static

New customer code

Object of complaint	Complaint type	Position
engine -> engine operation -> engine/electric drive combined mode	functionality -> without function / defect	
engine -> engine operation -> electric drive mode	functionality -> without function / defect	

Vehicle data

Continental GT/GTC & Flying Spur

Sales types

Type	MY	Brand	Designation	Engine code	Gearbox code	Final drive code
Z23*	2025	E		*	*	*
Z23*	2026	E		*	*	*
Z23*	2027	E		*	*	*
Z24*	2025	E		*	*	*
Z24*	2026	E		*	*	*
Z24*	2027	E		*	*	*
Z32*	2025	E		*	*	*
Z32*	2026	E		*	*	*
Z32*	2027	E		*	*	*

Documents

Document name
master.xml

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Technical product information	Transaction No.: 2080242/4
Drive System Fault in Kombi with DTC P0C5100 present | Continental GT/GTC /Flying Spur	Release date: 26 Oct 2026

Customer statement / workshop findings

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
- P0C5B00: Drive Motor "A" Position Sensor Circuit "B" 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.

Revision History

2080242/3 – Measure instructions updated to include replacement of the 90° connector (PN 0DS907226A) where required following DISS approval; Nano Tool TPI to be followed for correct test procedures.

Production change

Under Review

Measure

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)

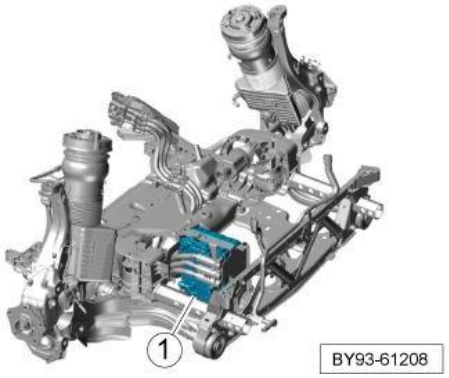


Figure 1. *Electric Drive Control Unit Location -A37-*

NOTICE

IMPORTANT: When checking T32am (32-pin connector, black), use the V.A.G 1594/51 Nano Tool contact testing kit. Strictly adhere to the procedure outlined in TPI 2080901, as deviation from the specified guidance may result in damage to connector terminals or associated wiring.

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

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

- Position the vehicle on a ramp, refer to ElsaPro Booklet 404
- Remove rear section of subframe (as required for access). Refer to ElsaPro: Repair Group 40 – ‘Front subframe –To remove and fit’

3. Photograph the following:

- Transmission Serial Number etched into the transmission casting

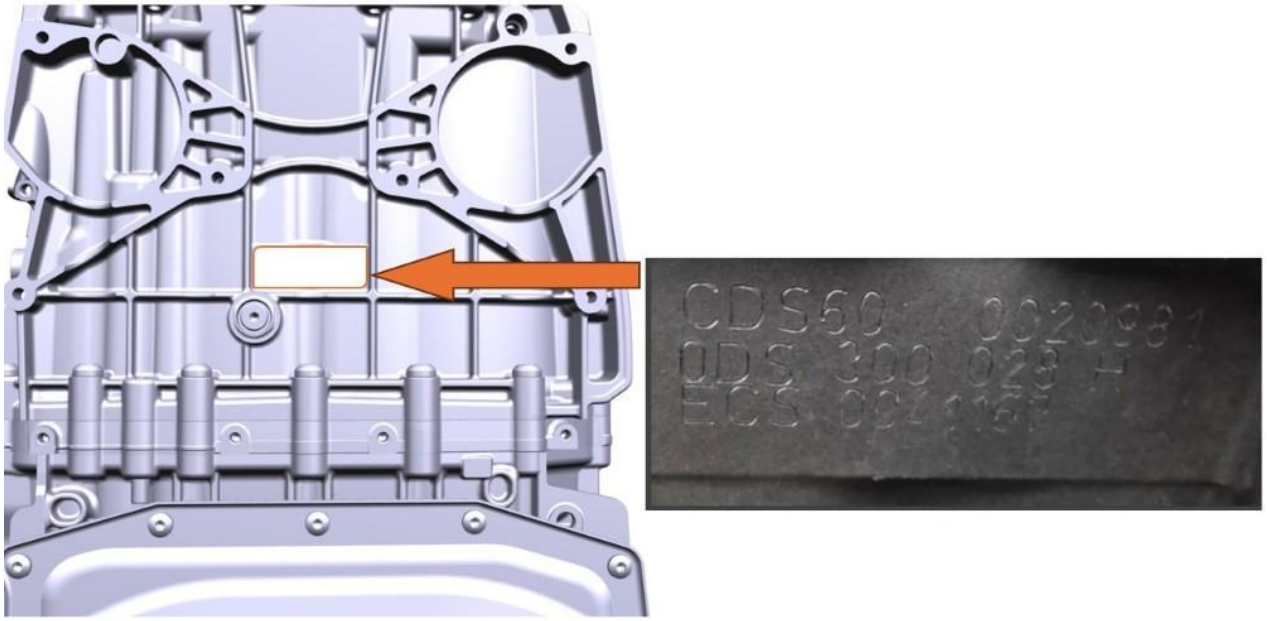


Figure 2. *Transmission Casting Serial Number*

- Identification label on the drive motor

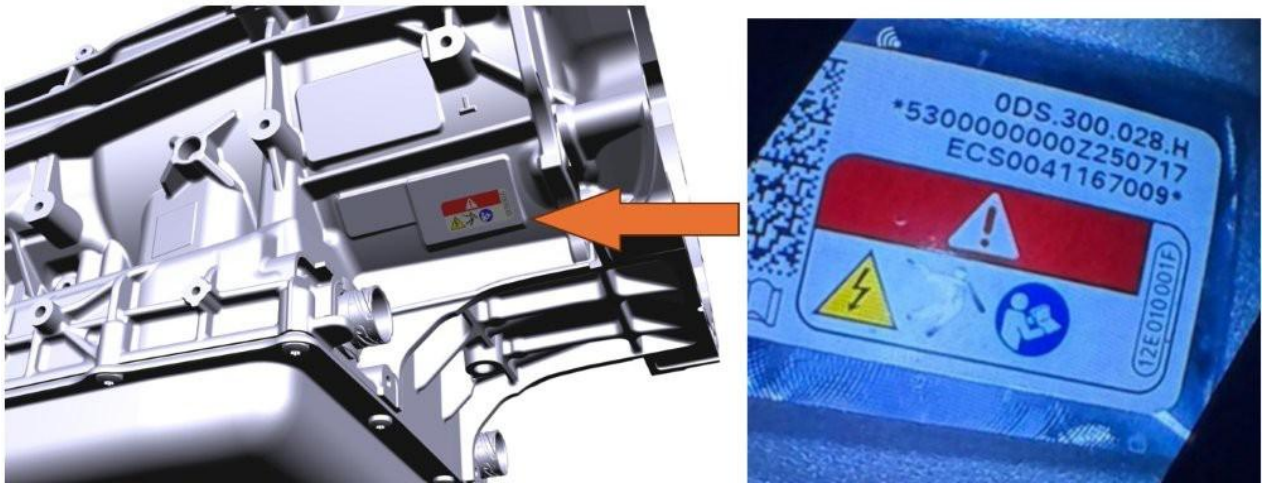


Figure 3. *Drive Motor Identification Label*

NOTICE

Submit all photographs taken and upload the diagnostic logs via a Technical DISS query to Product Support Second Level. Enter the TPI number 2080242/* in the "Workshop Findings" field and await **further instructions.**

NOTICE

Replacement of the 90° connector (PN 0DS907226A) shown in figure 4 below is only permitted once all required diagnostic information has been submitted in accordance with the stated requirements and **approval has been granted via DISS; thereafter, follow the procedure outlined below.**

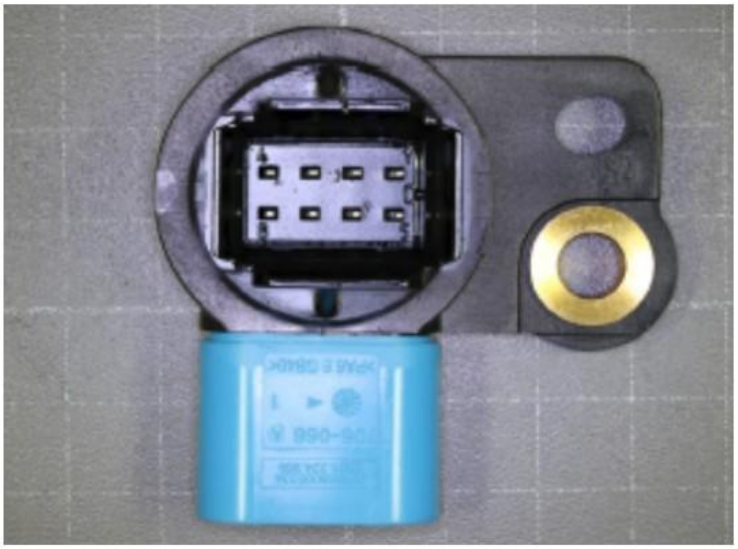


Figure 4. *90° connector (PN 0DS907226A)*

4. Replace 90° connector (PN 0DS907226A) once approval has been granted via the existing DISS query.

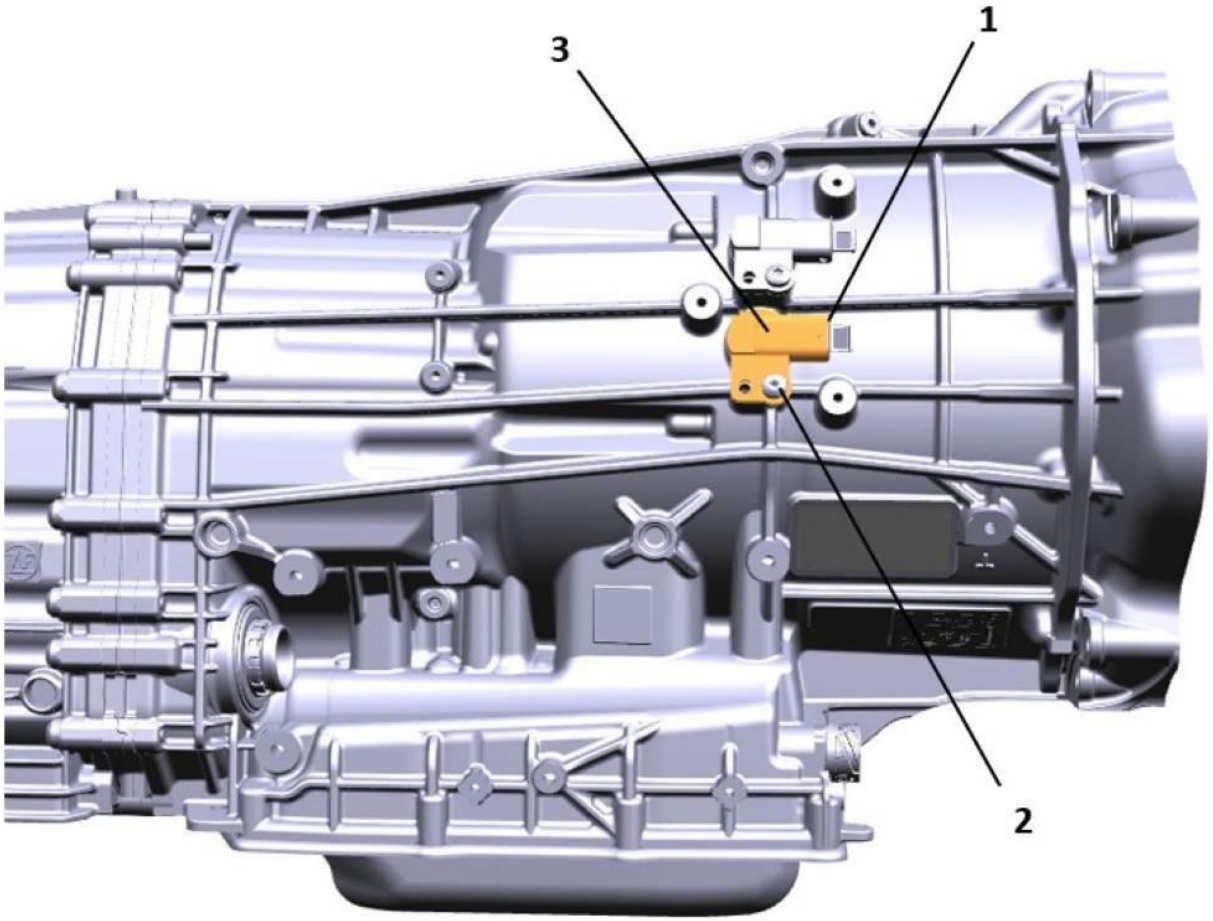


Figure 5. *Connector replacement instructions*

a. Disconnect the electrical harness -1- from the 90° connector.

b. Remove the fixing bolt -2- **(7.5Nm)** securing the connector.

c. Carefully withdraw the connector -3- by pulling it outwards (away from the gearbox housing).

d. Install the new 90° connector (PN 0DS907226A) in reverse order, ensuring correct seating and secure fitment.

e. Reconnect the electrical harness and verify correct engagement.

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

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 if required.

Warranty accounting instructions

Warranty type 110 or 910

Damage service number 97 97

Damage code 00 40

Connector – To inspect and Replace *(DISS Approval required)*

Labour Operation Code: 97 81 41 45 (*Live on 16.07.2026, use 97 81 41 99 prior to this date)*

Time: 500 TU

Time for GFF/Guided Functions

Labour Operation Code – 01 50 00 00

Time – 20 TU

Test drive

Labour operation code 01 21 00 01

Time 30 TU

Connector replacement is only permitted following full technical approval via a completed DISS query. Failure to obtain approval may result in warranty claim rejection.

Parts information

Refer to ETKA parts catalogue