Technical product information

Topic	Transmission communication DTC's (Numerous) - V8 Kovomo engine
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.	2061288/1
Level	EH
Status	Approval
Release date	

New customer code

Object of complaint	Complaint type	Position
vehicle service -> vehicle diagnosis -> guided fault finding	control units, services -> with event log entry	
electrical power, electric system, data transfer -> data bus systems	component / consumables	
power transmission -> power distribution, power flow -> power flow	functionality -> without function / defect	
electrical power, electric system, data transfer -> power supply	functionality	

Vehicle data

New Continental GT and New Continental GTC - V8 Kovomo

Sales types

Type	MY	Brand	Designation	Engine code	Gearbox code	Final drive code
3S32CB	2020	E		*	*	*
3S32CB	2021	E		*	*	*
3S42CB	2020	E		*	*	*
3S42CB	2021	E		*	*	*

Documents

Document name
master.xml

Customer statement / workshop findings

Customer statement

Drive system fault active on DIP (Figure 1)

Figure 1

Workshop findings

Various and/or numerous Transmission control module (TCM) communication DTC's logged

Technical background

Loose pins within the transmission link harness to the Mechatronic unit for dual clutch gearbox -J743- connections can lead to various transmission communication and hardware based DTC's

Production change

Not applicable

Measure

Ensure the ignition is switched off for the duration of this procedure

1) Remove the left hand front wheel arch liner - Refer to Repair manual Rep.Gr 66

- Referring to Figure 2 - Disconnect the three connectors shown

Extreme care MUST be taken when conducting pin/terminal grab checks and resistance checks as damage can easily be caused to the pins/terminals

2) Once disconnected carry out pin/terminal grab checks on all three male and female connections

NOTE: All resistance values shown within this TPI are approximate, tolerances may vary depending on the quality/type and age of the multi-meter and or leads used

- In the event the main vehicle harness pins are not to specification the applicable pins should be replaced
- Should any issues be found with the transmission link harness and/or pins – the harness should be replaced
- In the event the pins are to specification or the applicable repairs have been done (for example – Harness replacement or pin replacement) - Reconnect all three connectors (Figure 2) and proceed to Step 3

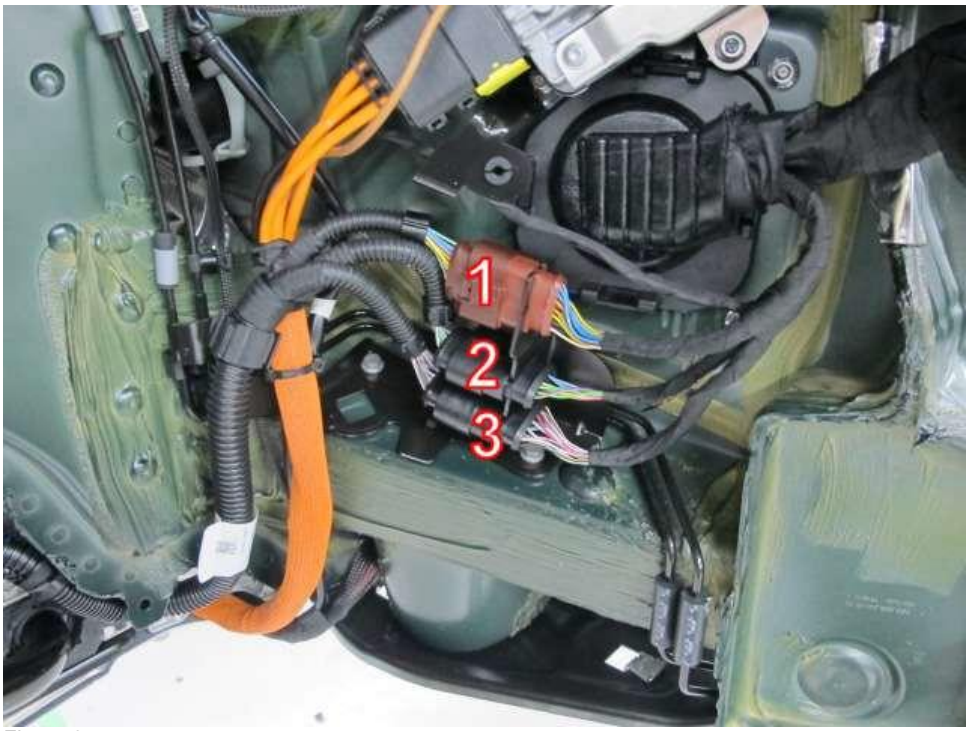

Figure 2

NOTE: Referring to Figure 3 - The resistance value for checks on PIN's 29 to 16 (Transmission fluid temperature sensor) will vary depending on the actual transmission fluid temperature

3) Gain access and disconnect the transmission control module plug T58g - Refer to Repair manual Rep.Gr 37

4) Conduct the resistance checks as per Figure 3

Connector T58

PIN	Specification (Ohms)
6 to 22	5.1
6 to 23	5.3
3 to 10	5.2
3 to 12	5.3
4 to 9	5.3
4 to 24	5.3
4 to 11	5.3
4 to 26	10.9
4 to 13	11
4 to 27	11
1 to 25	5.3
29 to 16	1800

Figure 3

Should any issues be found with the Mechatronic unit for dual clutch gearbox - J743- pin connections/transmission control module plug (T 58g) pin connections or resistance values - Please raise a DISS query and await feedback before carrying out any further work

Warranty accounting instructions

Warranty type: 910 or 110

Service ID number: 9797

Damage type: 0040

Labour

Time to conduct wiring checks

Labour operation code: 38 85 01 25 (Use 99 index until 10/12/20)

Time: 60 Time units

Time to replace link harness

Labour operation code: 38 85 55 55

Time 20 Time units

Parts information

Part number	Description	Quantity
Refer to ETKA	Link harness	1