

# Technical product information

<b>Topic</b>	Various and/or numerous Transmission control module DTC's logged - V8 Kovomo engine
<b>Market area</b>	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)
<b>Brand</b>	Bentley
<b>Transaction No.</b>	2061288/2
<b>Level</b>	EH
<b>Status</b>	Approval
<b>Release date</b>	

## 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/GTC - New Flying Spur - 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		*	*	*
ZG22BB	2020	E		*	*	*
ZG22BB	2021	E		*	*	*

# Documents

Document name
<a href="#">master.xml</a>

## 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 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 and/or numerous Transmission control module DTC's being logged

Carry out the checks within the Measure section of this TPI noting the following:

- Steps 1 through to 4 are applicable to vehicles specified with or without the Otterman Particulate Filter (OPF) fitted *NOTE: OPF fitment is Region specific*
- Step 5 is only applicable to vehicles which have the Otterman Particulate Filter (OPF) fitted

NOTE: Step 5 is only applicable to vehicles within the following VIN range

New Continental GT - SCBCJ13SXL073752 to SCBCZ13S6MC084869

New Continental GTC - SCBDJ33S7LC073935 to SCBDJ33S4LC084648

New Flying Spur - SCBBJ53S7MC072966 to SCBBZ53S9MC084870

NOTE: The link harness (971 971 771) fitted to vehicles without (OPF) has a conduit cover

However

The link harness (3SA 971 771) fitted to vehicles with (OPF) Does not have a conduit cover

### Production change

There is no production change or VIN cut off for steps 1 through to 4

Refer to the Technical background section regarding VIN applicability for step 5 only

### 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.Gr66

- 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

TIP: Once fitted ensure the link harness is not chaffing or rubbing against any components

- 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

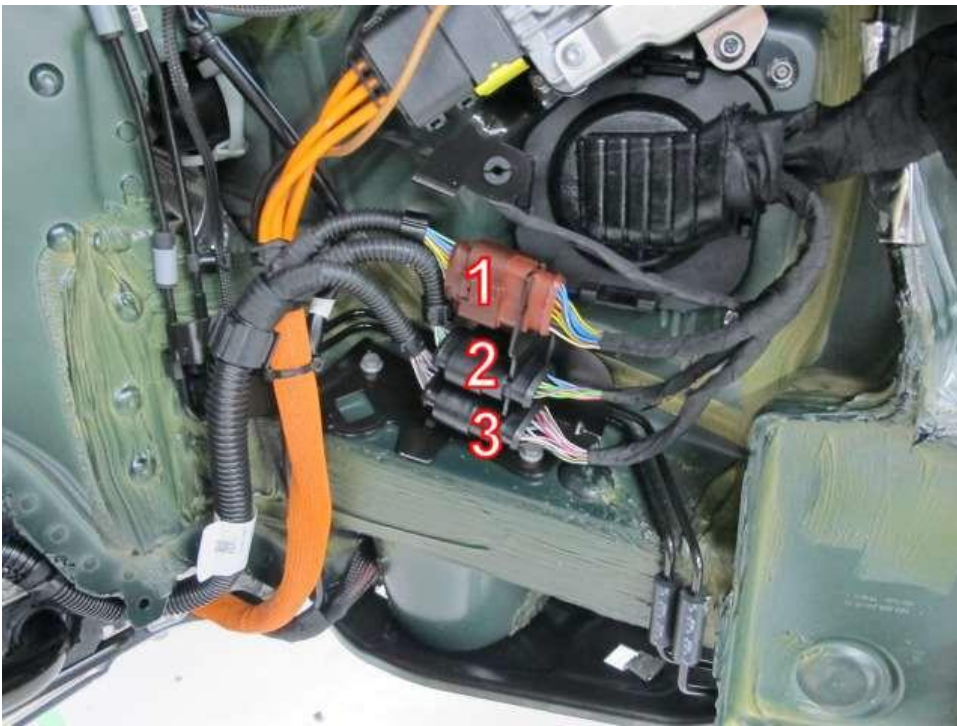


Figure 2

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

<b>PIN</b>	<b>Specification (Ohms)</b>
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

The following check ( Step 5) is applicable to vehicles which have the Otterman Particulate Filter ( OPF) fitted

5) Check and confirm the link harness in Figure 4 is routed correctly as shown

*TIP: where the view of the harness is restricted the operative should use a suitable Boroscope to check and confirm the routing of the harness and the transmission multi plug*

- Figure 4 shows the correct routing of the link harness in relation to the automatic transmission fluid thermostat (*Harness not in contact*)

with the thermostat) and also the correct orientation of the transmission multi plug



Figure 4

- Figure 5 shows the incorrect routing of the link harness in relation to the automatic transmission fluid thermostat (*Harness in contact with the thermostat*)
- Figure 5 also shows the incorrect orientation of the transmission multi plug

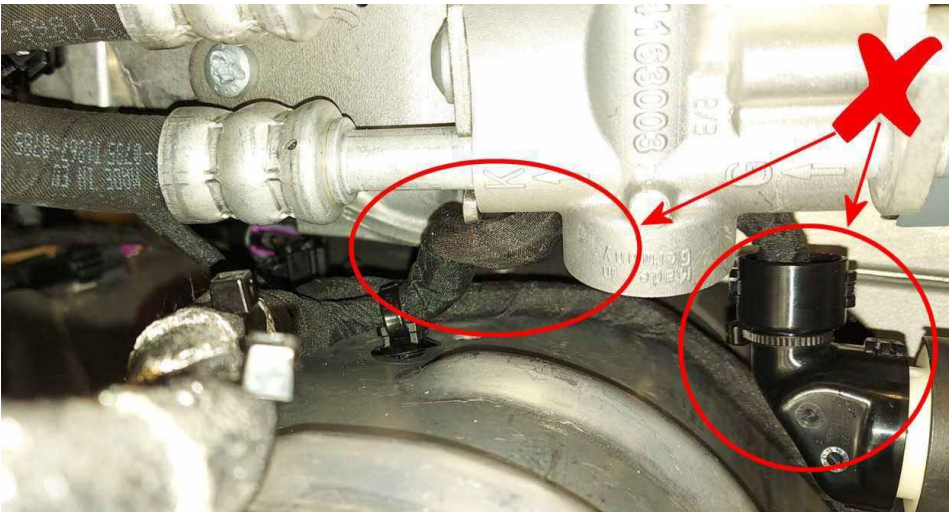


Figure 5

- Referring to Figure 6 - Check the location of the link harness in relation to the thermostat bracket



Figure 6

IMPORTANT: Should any issues be suspected regarding the link harness routing as detailed, The operative MUST raise a DISS query and await feedback before conducting any further work

### Warranty accounting instructions

Warrantytype: 910 or 110

Service ID number: 9797

Damage type: 0040

### Labour

Time to conduct wiring checks

Labour operation code: 38850125

Time: 60 Time units

Time to replace link harness

Labour operation code: 38855555

Time 20 Time units

### Parts information

Part number	Description	Quantity
971 971 771	Link harness	1
3SA 971771	Link harness (OPF version)	1