

# Technical product information

<b>Topic</b>	DTC P096C00 and / or P096F00 evident within the Engine Control Module
<b>Market area</b>	Bentley: worldwide (2WBE),China 796 VW Import Comp. Ltd (Vico), Beijing (6796)
<b>Brand</b>	Bentley
<b>Transaction No.</b>	2075941/1
<b>Level</b>	EH
<b>Status</b>	Approval
<b>Release date</b>	

## Event memory entries

Diagnostic address	Event memory entry	Fault type	Fault status
0001 - Engine electronics	P096C00: Transmission coolant valve electrical malfunction		Intermittent
0001 - Engine electronics	P096C00: Transmission coolant valve electrical malfunction		static
0001 - Engine electronics	P096F00: Transmission coolant valve Short circuit to Ground (GND)		Intermittent
0001 - Engine electronics	P096F00: Transmission coolant valve Short circuit to Ground (GND)		static

## New customer code

Object of complaint	Complaint type	Position
engine -> cooling, lubrication	functionality	
vehicle service -> service, maintenance -> repair execution	service: process -> with determination of concern	
running gear -> steering system	dimensional accuracy	
electrical power, electric system, data transfer -> power supply	visual appeal / surface	

# Vehicle data

## Bentayga Series - V8 Kovomo

### Sales types

Type	MY	Brand	Designation	Engine code	Gearbox code	Final drive code
4V14D9	2023	E		*	*	*
4V14D9	2024	E		*	*	*
4V15D9	2024	E		*	*	*
ZV14D9	2023	E		*	*	*
ZV14D9	2024	E		*	*	*

# Documents

Document name
master.xml

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DTC P096C00 and / or P096F00 evident within the Engine Control Module

## Customer statement / workshop findings

### Customer statement

Engine warning light illuminated within the DIP

### Workshop findings

One or a combination of the following DTC's are evident within the Engine Control Module (ECM)

- P096C00 Transmission coolant valve electrical malfunction

And / or

- P096F00 Transmission coolant valve short circuit to ground

## Technical background

In the event the issue is as described the operative should conduct the instructions within the Measure section

## Production change

Not applicable

## Measure

- 1) Referring to the applicable wiring diagram - Conduct an electrical integrity check of the N509 gearbox cooling valve circuit
- 2) Referring to Figures 1, 2 and 3 - Conduct a visual inspection to confirm if the harness shown (CIRCLE) has any damage relating to contact with the steering shaft .



Figure1



Figure 2



Figure 3

**NOTICE**

In the event the issue is as described the operative must conduct the remaining instructions (step 3 and 4) to completion and repair the damaged cable(s)

- 3) Referring to Rep.Gr 97 - Wiring harness repairs - Repair the damaged wiring using the VAS 1978B wiring repair kit
- 4) Secure the harness as shown in Figure 4

**CAUTION**

Ensure the wiring harness is secured / clipped to a solid location DO NOT SECURE THE HARNESS TO ANY MOVING COMPONENTS OR COOLANT HOSES

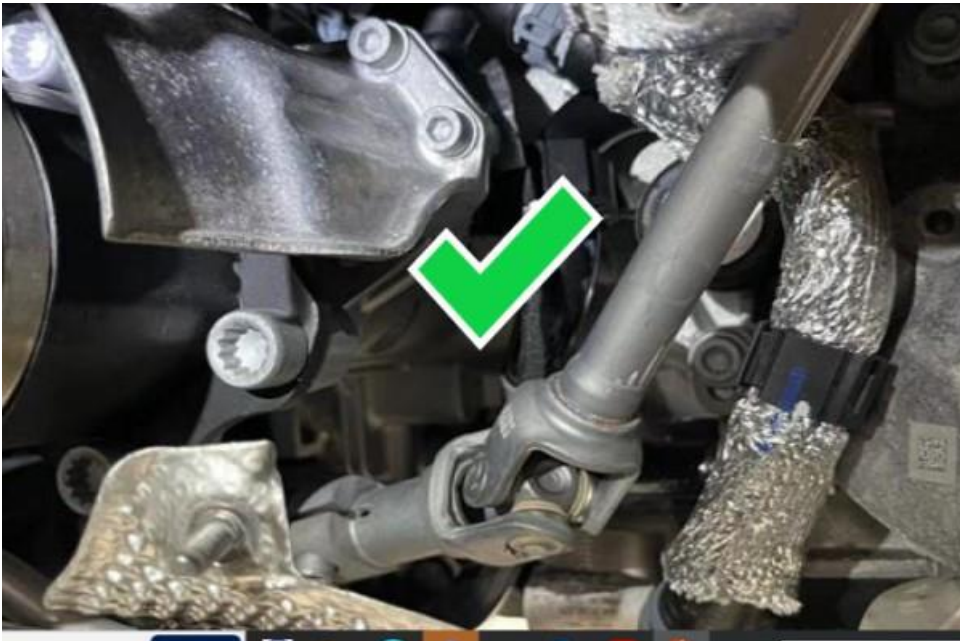


Figure 4

### **Warranty accounting instructions**

Warranty Type            110 or 910  
Damage Service Number 97 09  
Damage Code            00 23

### **Time to conduct the applicable wiring repair**

97 09 41 51 Wiring harness repair (1 cable) 30 TU

97 09 41 52 Wiring harness repair (2 cables) 40 TU

### **Diagnosis time**

Labour operation code    01 50 00 00  
Time                        As per Odis log (Must not exceed 20 TU)

### **Parts information**

Refer to the ETKA parts catalogue and Elsa Pro