

Technical Service Bulletin

Topic	DTC P096C00 and / or P096F00 evident within the Engine Control Module
Market area	Bentley: worldwide (2WBE),China 796 VW Import Comp. Ltd (Vico), Beijing (6796)
Brand	Bentley
Transaction No.	2075941/2
Level	EH
Status	Released for publishing
Release date	Feb 21, 2025

Diagnostic trouble codes

Diagnostic address	Diagnostic trouble code	Fault symptom	Storage state
0001 - Engine electronics	P096C00: Transmission Coolant Control Valve "A" Circuit		Intermittent
0001 - Engine electronics	P096C00: Transmission Coolant Control Valve "A" Circuit		static
0001 - Engine electronics	P096F00: Transmission Coolant Control Valve "A" Circuit Low		Intermittent
0001 - Engine electronics	P096F00: Transmission Coolant Control Valve "A" Circuit Low		static

New customer code

Object of complaint	Complaint type	Position
engine -> cooling, lubrication	functionality	
vehicle service -> inspection, maintenance -> performing a service	service: process -> with complaint confirmation	
chassis -> steering	dimensional accuracy	
power, vehicle electrical system, data transfer -> power supply	appearance, 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		*	*	*
4V14D9	2025	E		*	*	*
4V15D9	2024	E		*	*	*
4V15D9	2025	E		*	*	*
ZV14D9	2023	E		*	*	*
ZV14D9	2024	E		*	*	*
ZV14D9	2025	E		*	*	*

Documents

Document name
master.xml

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Condition

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 Solution

Not applicable

Service

- 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

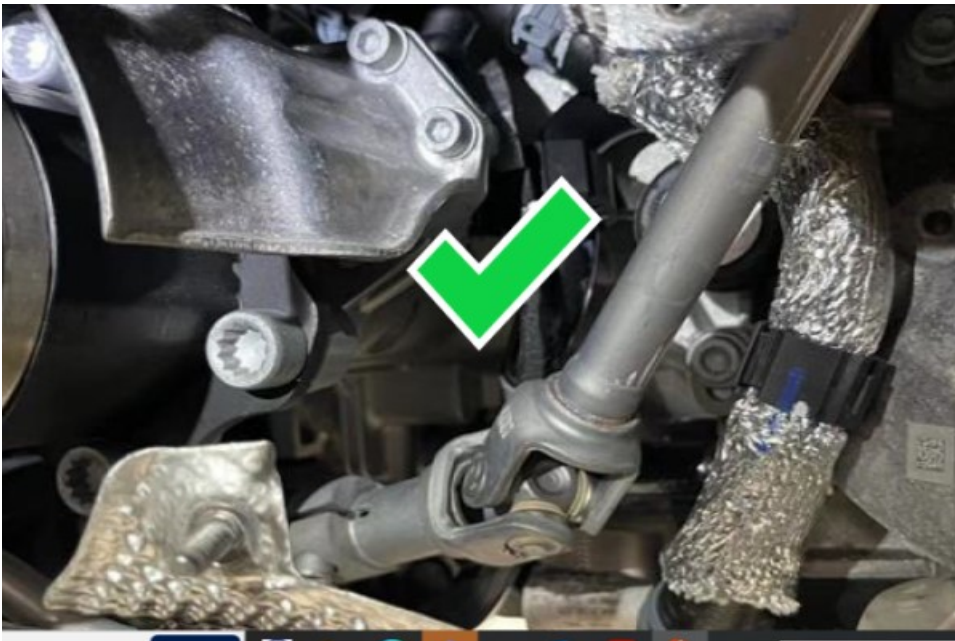


Figure 4

Warranty

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)

Required Parts and Tools

Refer to the ETKA parts catalogue and Elsa Pro