

Technical Service Bulletin

Topic	V8 Kovomo - Engine MIL light on - DTC ' P04F000: EVAP system high pressure purge line performance' evident
Market area	Australia E04 Bentley rest Asia and Australia (6E04),China 723 Volkswagen (Anhui) Automotive CO (6723),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.	2065148/5
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	P04F000: EVAP system high pressure purge line performance		Intermittent
0001 - Engine electronics	P04F000: EVAP system high pressure purge line performance		static

New customer code

Object of complaint	Complaint type	Position
engine -> engine operation	functionality	
vehicle service -> vehicle diagnosis -> Guided Fault Finding (GFF)	control modules, services -> with fault stored in the DTC memory	

Vehicle data

V8 Kovomo

Sales types

Type	MY	Brand	Designation	Engine code	Gearbox code	Final drive code
4V14D9	2021	E		*	*	*
4V14D9	2022	E		*	*	*
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
partpicimage.pdf

Condition

Customer statement

- Engine MIL light illuminated within the DIP

Workshop findings and observations

- DTC 'P04F000: EVAP system high pressure purge line performance' evident



Observations when monitoring IDE12765 and IDE12766

Referring to Figure 1:

IDE12765 (When monitored) fluctuates from the static value found (Ignition on/Engine Off)

Or

With/without purge activation

However

IDE12766 (When monitored) DOES NOT fluctuate from the static value found (Ignition on/Engine Off)

Or

With/without purge activation

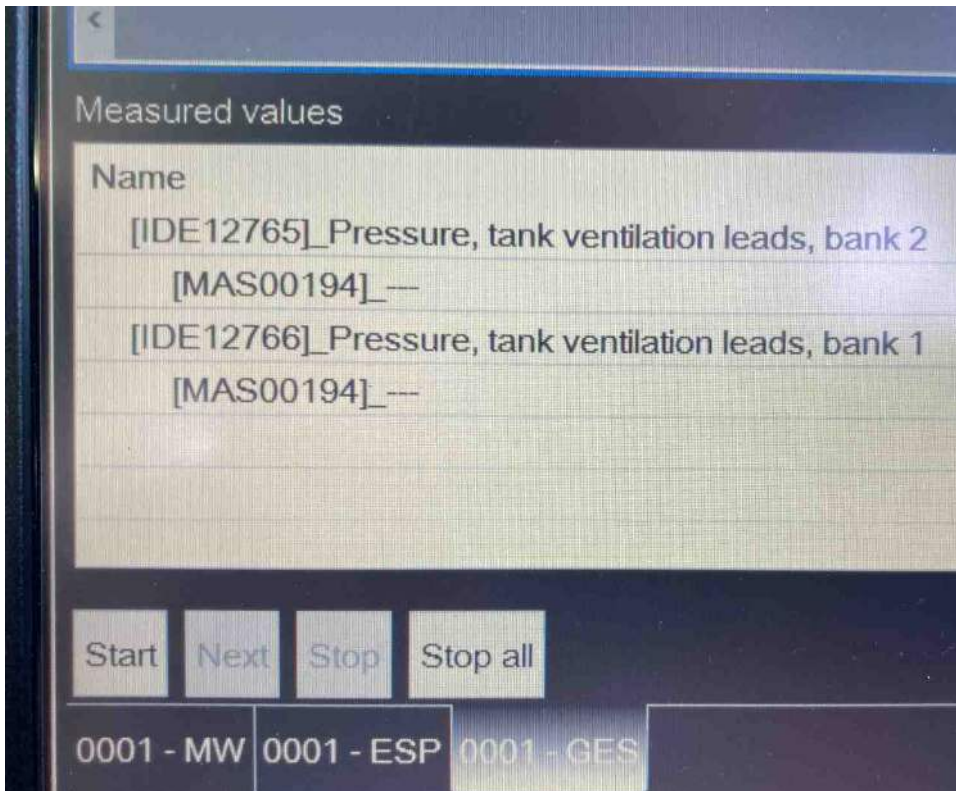


Figure 1

Technical Background

In the event the symptom described is evident the operative should carry out the instructions within the Measure section

Production Solution

-

Service

1) Remove the Air cleaner element top cover - Refer to Repair manual Rep.Gr 24 - Air-cleaner element - To remove and fit

- Referring to Figure 2 - Locate the Pressure sensor connector (T3dd) for the activated charcoal filter system (G804)

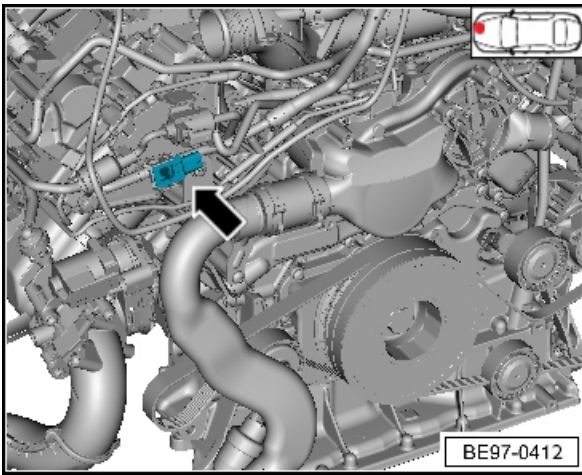


Figure 2

- Disconnect T3dd
- Disconnect T56aj from the Engine control unit (J623)
- Referring to the applicable wiring diagram within in Elsa pro - Conduct a wiring integrity check

From T3dd (PIN's 1 and 2) - To Connector T56aj (PIN's 1 and 5)



In the event the integrity check highlights an issue, carry out the remaining instructions from Step 2

However

In the event the pins are located correctly and the issue is still evident, the operative should raise a DISS query and await feedback from Product Support before conducting any further work

2) Referring to Figure 3 and the attached PDF instructions - De-pin/Remove PIN's 1 and 2 from connector T3dd

TIP: As both wires are white, the green line which can be seen on the central white wire was applied to aid the operative when swapping the PIN's to the correct locations

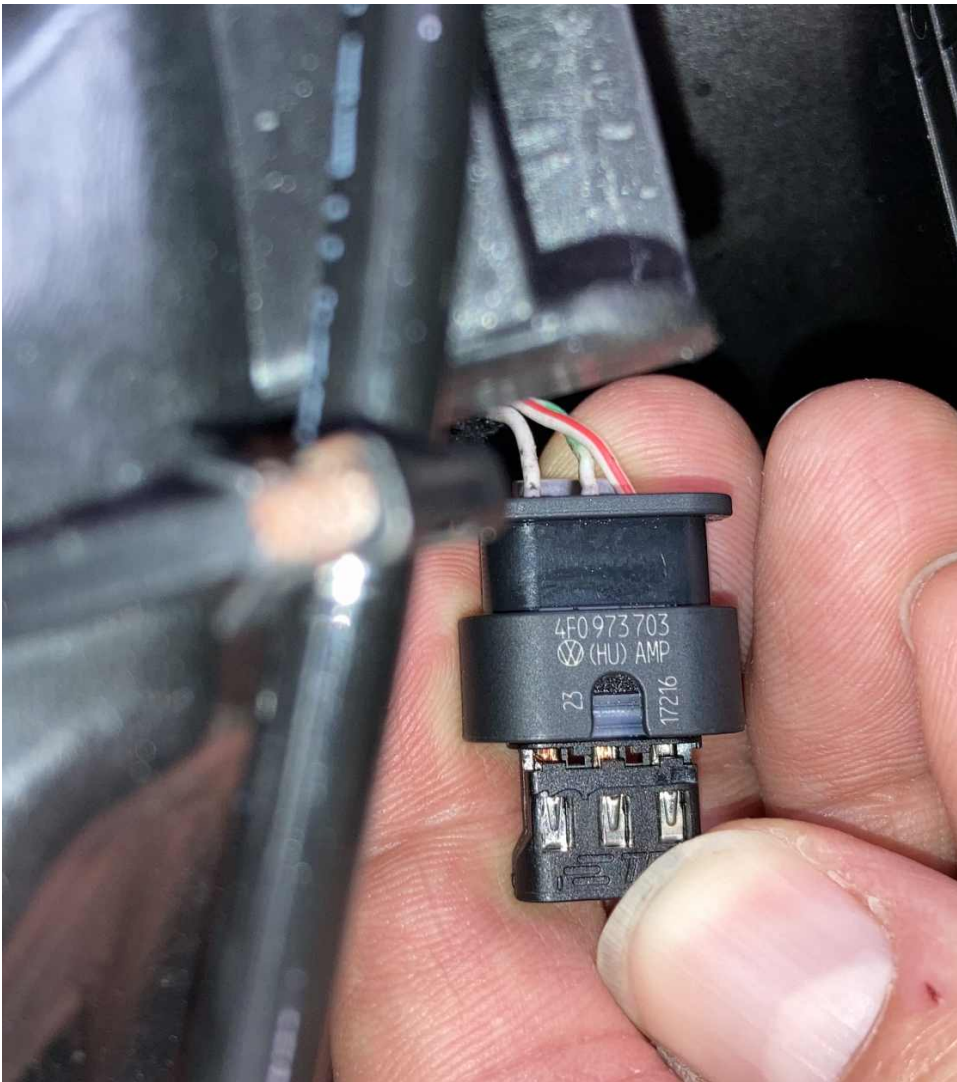


Figure 3

3) Install PIN 2 into PIN 1

4) Install PIN 1 into PIN 2

5) Conduct a wiring integrity check from T3dd (PIN's 1 and 2) - To Connector T56aj (PIN's 1 and 5)

- In the event the wiring integrity check confirms no further issues are evident continue with the remaining steps

6) Reconnect T3dd and T56aj

- Refit any previously removed components

7) Clear the vehicle of any Diagnostic Trouble codes (DTC's) associated with this procedure and complete the readiness code procedure



In the event the issue is not resolved, the operative should raise a DISS query and await feedback from Product Support before conducting any further work

Warranty

Diagnostic time

Warranty type	110 or 910
Service number	20 22
Damage code	00 10

Labour

Labour operation code	01 50 00 00
Time	As per ODIS log (must not exceed 40 TU)

Time to remove and refit the air cleaner

Labour operation code	24 25 19 00
Time	30 TU

Time to repair wiring

Labour operation code 97 09 41 52

Time 40 TU