

Technical product information

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.	2065148/4
Level	EH
Status	Approval
Release date	

Event memory entries

Diagnostic address	Event memory entry	Fault type	Fault status
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	control units, services -> with event log entry	

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		*	*	*
4V15D9	2024	E		*	*	*
ZV14D9	2023	E		*	*	*
ZV14D9	2024	E		*	*	*

Documents

Document name
master.xml
partpicimage.pdf

Customer statement / workshop findings

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

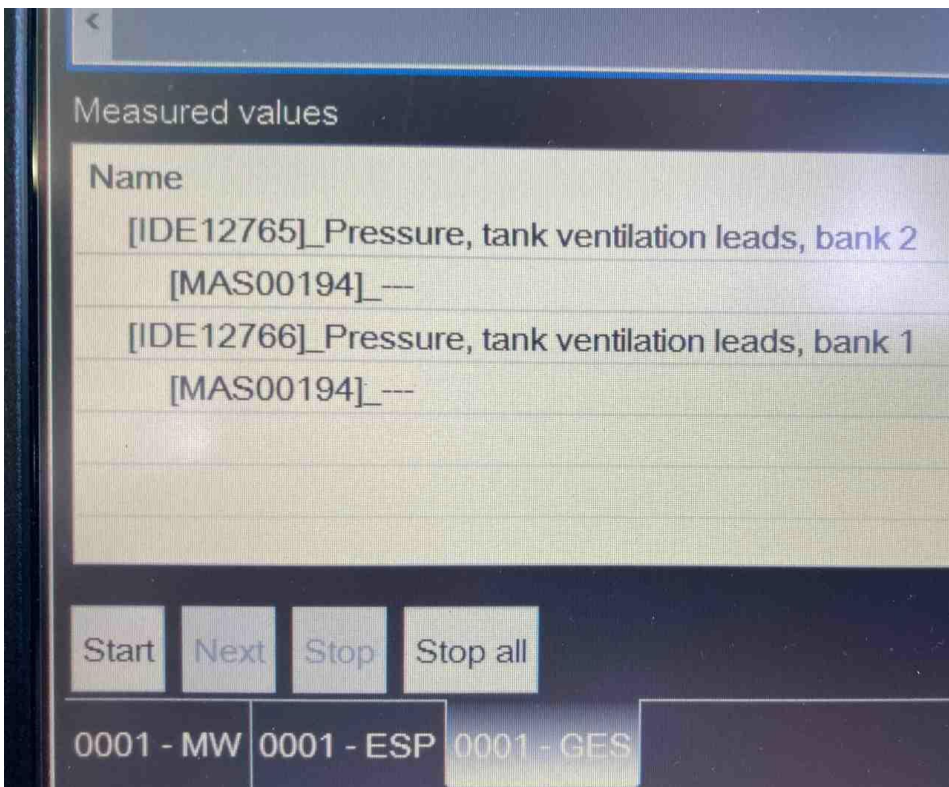


Figure 1

Technical background

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

Production change

-

Measure

- 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)

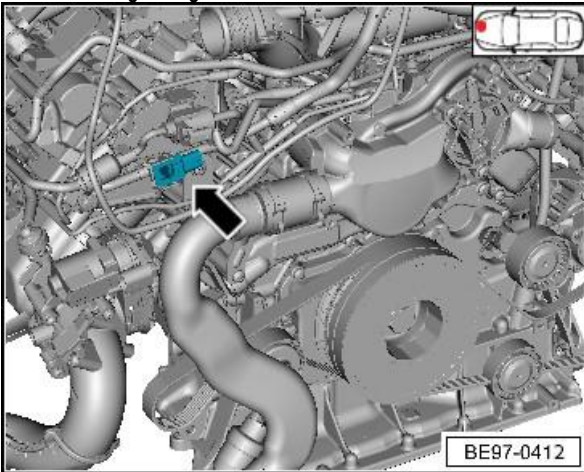


Figure 2

- 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

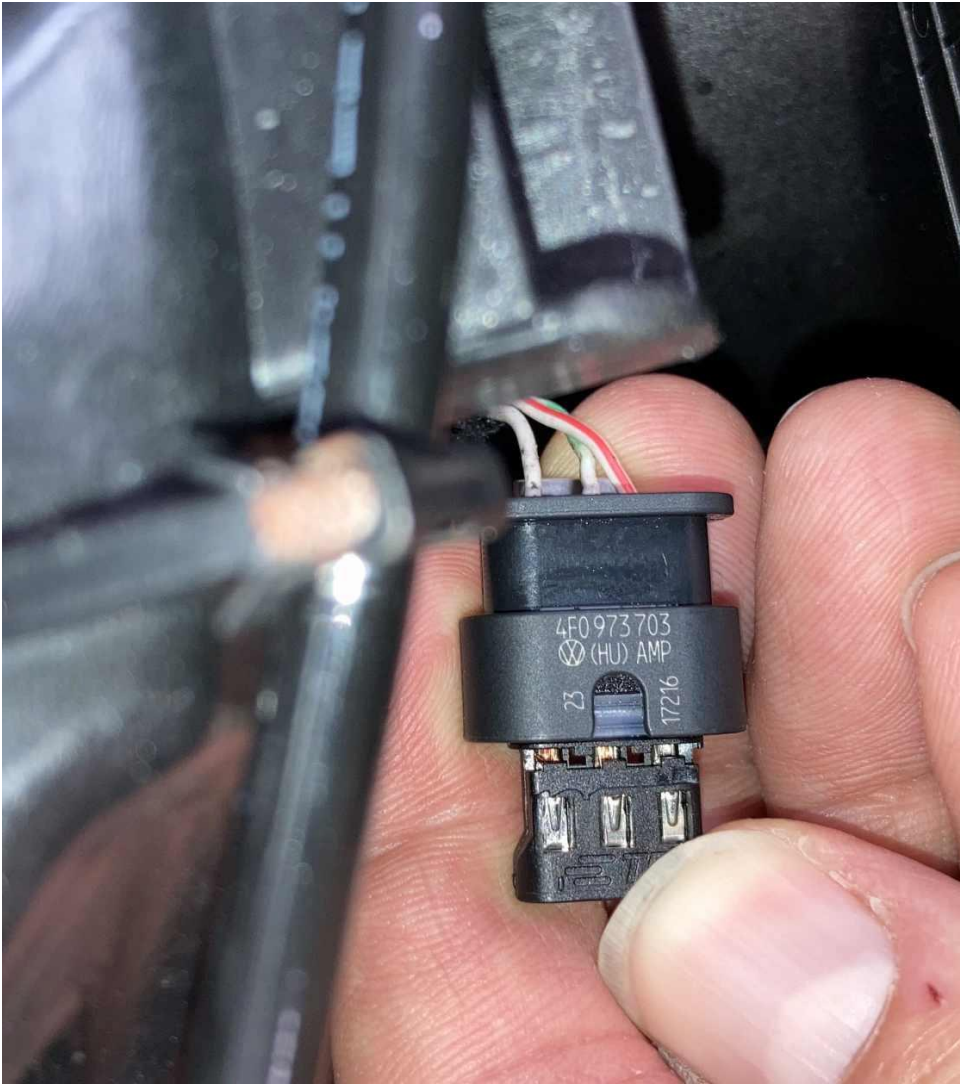


Figure 3

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 accounting instructions

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

Terminal releasing documentation

WEB-CON-000089

Supplier Tyco/171 865 3-1

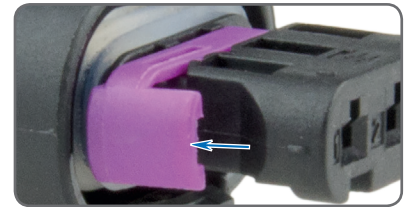
Articleno. 4F0 973 703

Replaced —

Secondary



Detail Secondary lock



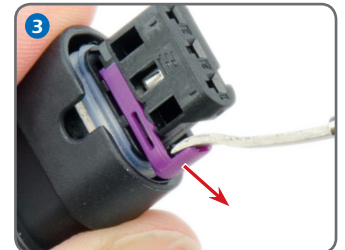
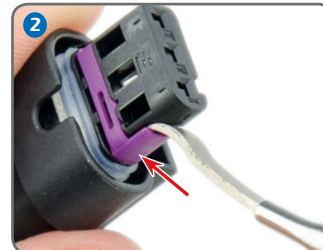
Secondary lock: 1

Primary lock: 1

Colour: black

Application: —

Tool WEB-ENT-30-0002-98



In this documentation, you will see application examples. These examples may differ in colour and number of pins. TKR cannot provide repair manuals. In dieser Dokumentation werden Anwendungsbeispiele gezeigt. Diese Beispiele können sich in Farbe und Poligkeit unterscheiden. TKR kann keine Reparaturanleitung vorgeben.

Pins 3

Type female

Mating conn. —

Seal yes

Primary



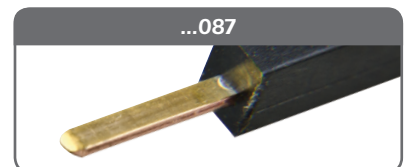
Repair wire WEB-REP-000...

...050, ...051, ...052, ...130,
...131, ...132



Measuring lead WEB-MES-000...

...087



Tool WEB-ENT-11-0022-98

