

Technical product information

Topic	DTC P0CE100 - Logged within the Thermal management control unit - Address C5 - J1024
Market area	Bentley: worldwide (2WBE)
Brand	Bentley
Transaction No.	2058049/4
Level	EH
Status	Approval
Release date	

Event memory entries

Diagnostic address	Event memory entry	Fault type	Fault status
00C5 - Thermal management	P0CE100: Hybrid/EV Battery Pack Coolant Control Valve "A" Stuck On		Intermittent
00C5 - Thermal management	P0CE100: Hybrid/EV Battery Pack Coolant Control Valve "A" Stuck On		static

New customer code

Object of complaint	Complaint type	Position
engine -> cooling system -> coolant for high-voltage battery	component / consumables -> too little	
vehicle service -> vehicle diagnosis -> guided fault finding	control units, services -> with event log entry	

Vehicle data

Bentayga Hybrid

Sales types

Type	MY	Brand	Designation	Engine code	Gearbox code	Final drive code
4V14F9	2020	E		*	*	*
4V14F9	2021	E		*	*	*
4V14F9	2022	E		*	*	*

Documents

Document name
master.xml

Customer statement / workshop findings

Workshop findings

DTC P0CE100 - Logged within the Thermal management control unit - Address C5 - J1024

Customer statement

Concern is not visible to the customer, vehicle performance is not affected, no warning lights are evident within the DIP

Technical background

Refer to Measure section of this TPI

Production change

Not applicable

Measure

1) Check and confirm the high voltage coolant system level is to specification

CAUTION: In the event the coolant level is found not to be within specification, the leak must be confirmed/identified AND rectified before carrying out any further work - Refer to Rep.Gr 19 - Checking cooling system for leaks - high-voltage coolant circuit

2) Carry out a Guided Fault Finding Sweep of all control modules

- Referring to Figure 1 - Open the options menu for C5 - Thermo-management control unit - Select Guided functions

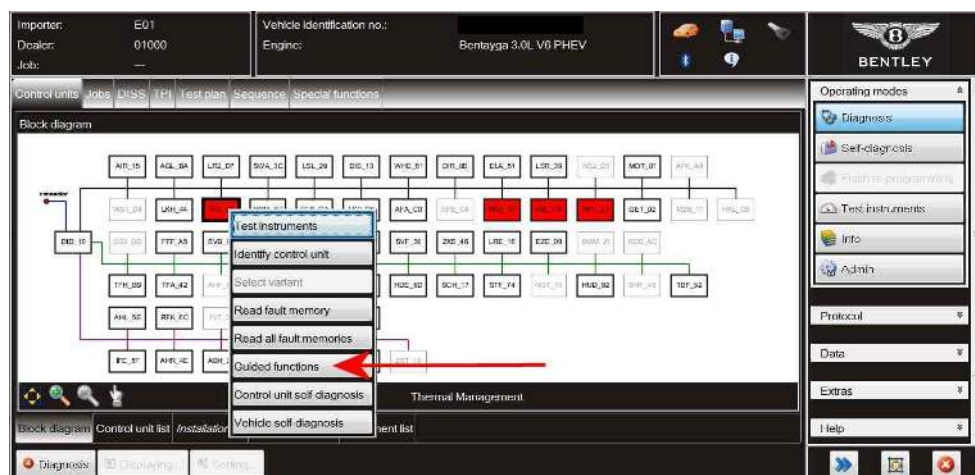


Figure 1

- Referring to Figure 2 - Select C5 - Final control diagnosis (Point A)
- Select Execute (Point B)

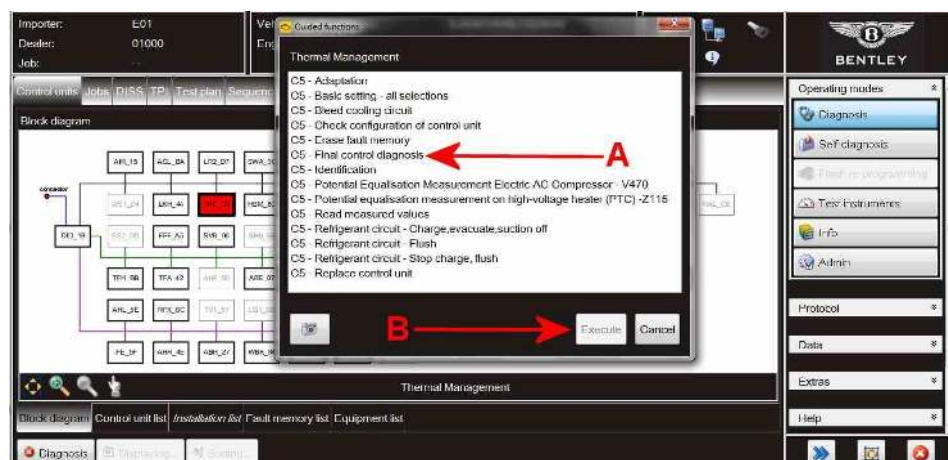


Figure 2

3) Referring to Figure 3 – insert/type 9 (Coolant changeover valve 1 -N632) into the options box

- Select Adopt

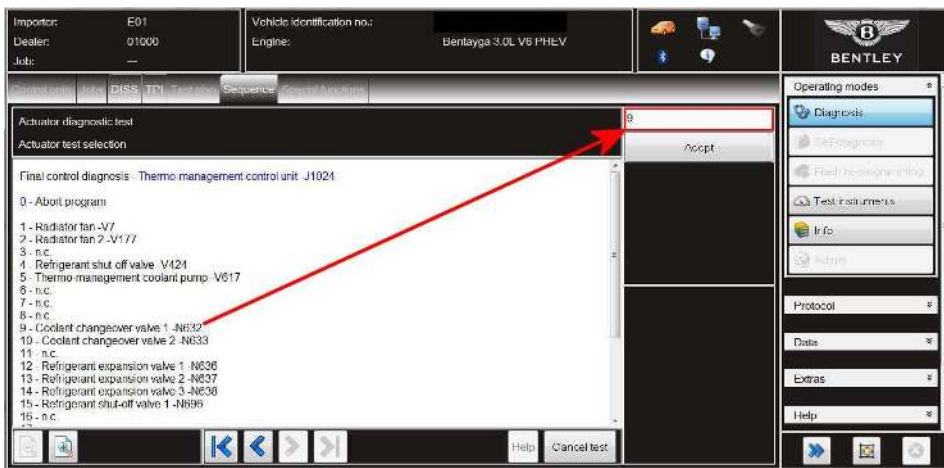


Figure 3

4) Monitor the status of the Control element test status and Status activation for at least 15 seconds

- Referring to Figure 4 - The status should be as shown
- Control element test status: **active**
- Status activation: **not activated**

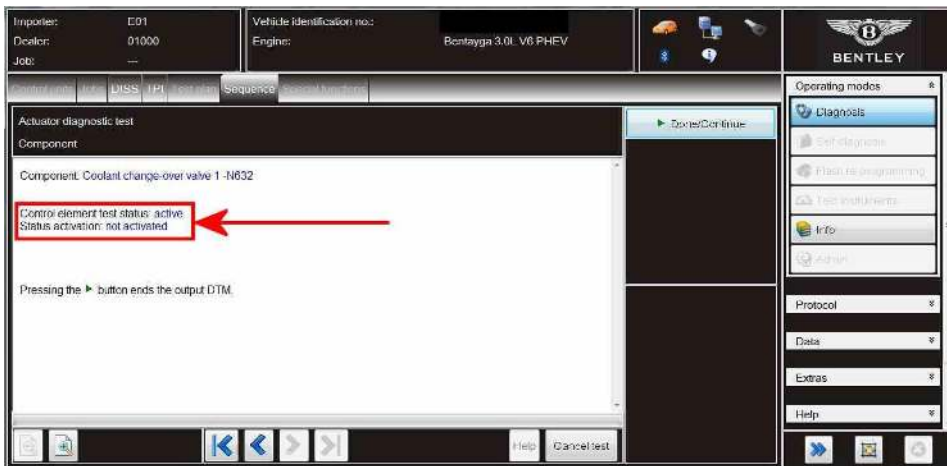


Figure 4

- The status should change periodically as shown in Figure 5
- Control element test status: **active**
- Status activation: **operated**

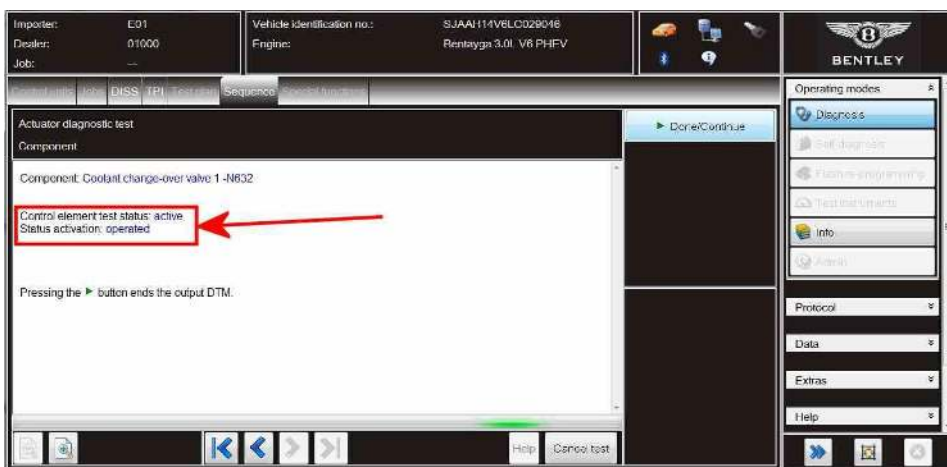


Figure 5

5) Should the status change periodically during the test as shown in Figures 4 and 5 this is to specification - Select Done/Continue to end the test

6) Erase DTC P0CE100 from address C5

In the event the status does not change as shown in Figures 4 and 5 or the DTC cannot be erased, please raise a DISS query and await feedback from Product support before carrying out any further work