

Technical product information

Topic	Coolant warning lamp within the DIP - One or a combination of DTC's is evident P218100 - P017B00 - P017C00 - P017E00
Market area	Russische Föderation (5RU),Australia E04 Bentley rest Asia and Australia (6E04),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.	2070041/1
Level	EH
Status	Approval
Release date	

Event memory entries

Diagnostic address	Event memory entry	Fault type	Fault status
0001 - Engine electronics	P218100: Cooling System Performance		static
0001 - Engine electronics	P017B00: Cylinder Head Temperature Sensor Circuit Range/Performance		static
0001 - Engine electronics	P017C00: Cylinder Head Temperature Sensor Circuit Low		static
0001 - Engine electronics	P017E00: Cylinder Head Temperature Sensor Circuit Intermittent/Erratic		static

New customer code

Object of complaint	Complaint type	Position
engine -> cooling, lubrication -> engine coolant temperature control	functionality -> faulty	
engine -> cooling system	functionality	
engine -> cooling system -> engine cooling fan	noise, vibration -> too loud	

Vehicle data

Bentayga-New Continental GT/C-New Flying Spur (V8 Kovomo)

Sales types

Type	MY	Brand	Designation	Engine code	Gearbox code	Final drive code
3S32CB	2020	E		*	*	*
3S32CB	2021	E		*	*	*
3S32CB	2022	E		*	*	*
3S32CB	2023	E		*	*	*
3S34CB	2023	E		*	*	*
3S42CB	2020	E		*	*	*
3S42CB	2021	E		*	*	*
3S42CB	2022	E		*	*	*
3S42CB	2023	E		*	*	*
3S44CB	2023	E		*	*	*
4V14D9	2018	E		*	*	*
4V14D9	2019	E		*	*	*
4V14D9	2020	E		*	*	*
4V14D9	2021	E		*	*	*
4V14D9	2022	E		*	*	*
4V14D9	2023	E		*	*	*
ZG22CB	2020	E		*	*	*
ZG22CB	2021	E		*	*	*
ZG22CB	2022	E		*	*	*
ZG22CB	2023	E		*	*	*
ZG24CB	2023	E		*	*	*
ZV14D9	2023	E		*	*	*

Documents

Document name
master.xml

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Customer statement / workshop findings

Customer statement

Customer reports a red engine coolant overheat warning within the DIP

Workshop findings

One or a combination of the following DTC's are evident within the engine control unit:

- P218100 - Malfunction in cooling system
- P017B00 - Cylinder head temperature sensor implausible signal
- P017C00 - Cylinder head temperature sensor short circuit to ground
- P017E00 - Cylinder head temperature sensor open circuit/loose contact

Technical background

The plastic housing of the coolant temperature sensor G407 may not be correctly sealed against coolant vapour therefore damage to the O-ring located at the tip of the sender may allow moisture to enter the sensor element and restrict the function of the component

Note: The restrictions in some cases may be temporary

In the event the issue is as described the operative should refer to the instructions within the Measure section of this TPI

Production change

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Measure

1) Referring to Rep.Gr 19 Coolant temperature sensor (V8 biturbo) - Remove G407

- Check if the O-ring located directly at the tip of the coolant temperature sender (Figure 1) is visibly damaged/pinched



Figure 1

- In the event the O-ring is damaged / pinched replace G407 including O-ring

2) In the event that no issues are found with the O-ring - Refer to the applicable circuit diagram, conduct an electrical integrity check of the applicable circuit

- In the event the wiring circuit and connections are to specification and one or a combination of the DTC's remains please replace G407 including the O-ring as per Rep.Gr 19

Warranty accounting instructions

Warranty type 110 or 910

Damage service number 19 78

Damage code 00 10

Time to replace coolant temperature sensor G407

Flying Spur - 19781920 - 20 TU's

Bentayga -19781920 - 40 TU's

GT/GTC -19781920 - 20 TU's

Parts information

Refer to the ETKA parts catalogue