

Technical product information

Topic	New Flying Spur (Hybrid) and Bentayga (Hybrid) - DTC P019100: Fuel Rail Pressure Sensor "A" Circuit Range/Performance
Market area	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),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.	2073955/1
Level	EH
Status	Approval
Release date	

New customer code

Object of complaint	Complaint type	Position
engine -> fuel supply -> fuel feed line (low pressure)	component / consumables -> damaged	> not specified <
engine -> engine operation	functionality	
engine -> operation, engine control -> engine control unit	control units, services -> error message	

Vehicle data

New Flying Spur V6 (Hybrid) and Bentayga V6 (Hybrid)

Sales types

Type	MY	Brand	Designation	Engine code	Gearbox code	Final drive code
4V14F9	2019	E		*	*	*
4V14F9	2020	E		*	*	*
4V14F9	2021	E		*	*	*
4V14F9	2022	E		*	*	*
4V14F9	2023	E		*	*	*
4V14F9	2024	E		*	*	*
4V15F9	2024	E		*	*	*
ZG23GB	2022	E		*	*	*
ZG23GB	2023	E		*	*	*
ZG23GB	2024	E		*	*	*
ZG25GB	2023	E		*	*	*
ZG25GB	2024	E		*	*	*

Documents

Document name
master.xml

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Customer statement / workshop findings

Check Engine Lamp illuminated within the Driver Instrument Panel (DIP) with a "Drive System Fault" warning, the following DTC listed below evident within Engine control module 1:

- **P019100 Fuel Rail pressure Sensor 'A' Circuit Range/Performance**

Technical background

On engine restart after a drive (engine at operating temperature) the check engine lamp illuminates within the DIP with a "Drive System Fault" warning - DTC P019100 is logged

Referring to Figure 1 - The Measured value logged for the DTC is 32.7 MPa versus the specified value of 10 MPa

Entry in fault memory

Number:	P019100: Fuel Rail Pressure Sensor "A" Circuit Range/Performance
Fault type 2:	passive/sporadic
Symptom:	5652
Status:	00100000

Standard ambient conditions:

Extended ambient conditions:

Engine rpm	0.0	1/min
Normed load value	0.0	%
Vehicle speed	0	km/h
Coolant temperature	84	°C
Intake air temperature	44	°C
Ambient air pressure	1000	mbar
Voltage terminal 30	13.6	V
Dynamic environmental data	20 96 27 15 9F FF FF 11 D7 4E 20 11 41 80 00 14 B4 09 C4 11 C8 1F E8 10 26 00 00 10 EA 00 0A	
Unlearning counter according OBD		
Param_OBD AgingCount	39	
Fuel high-pressure, actual value		
Param_PQOp0005UWORD	32.7675	MPa
High fuel pressure, specified value		
Param_PQOp0005UWORD	10.0	MPa
Frm w		
Param_FakUwB2UWORD	1.0	
Fuel level		
Param_FILSWORD	25.0	L
Fuel low pressure, actual value		
Param_PQOp1UWORD	816.8	kPa
Accelerator pedal travel		
Param_PrcSWORD	0.0	%
Open cam shaft angle at quantity control valve		
Param_KwQOp1SWORD	1.0	°

Figure 1

Production change

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Measure

1) Raise a DISS query ensuring the following is attached

- Up to date ODIS log is saved online

NOTICE

Hint: For clarity and photographic purposes Figure 2 shows the fuel pipe removed from the high pressure pump, please note the fuel pipe or high pressure fuel pump must not be removed unless instructed via DISS

- Clear photograph of the original high pressure fuel pump identification data (see the example in Figure 2)



Figure 2

- Await feedback before conducting any further work

NOTICE

NOTE TO PRODUCT SUPPORT: Please second level the DISS query to the Powertrain Senior Engineer, await feedback before responding to the retailer

Warranty accounting instructions

Warranty type - 110 or 910

Damage Service Number 20 66

Damage Code 01 00

Self Diagnosis

Labour Operation Code 01 50 00 00

Time As per ODIS log (Must not exceed 20 TU's)