Technical product information

Topic	Bentayga V8 Kovomo - DTC P227900 evident within the engine control unit 0001
Market area	United States E05 Bentley USA and rest America (6E05)
Brand	Bentley
Transaction No.	2071575/2
Level	EH
Status	Approval
Release date	

Event memory entries

Diagnostic address	Event memory entry	Fault type	Fault status
0001 - Engine electronics	P030000: Random/Multiple Cylinder Misfire Detected		static
0001 - Engine electronics	P227900: Intake Air System Leak		Intermittent
0001 - Engine electronics	P227900: Intake Air System Leak		static
0001 - Engine electronics	P030000: Random/Multiple Cylinder Misfire Detected		Intermittent

New customer code

Object of complaint	Complaint type	Position
engine -> engine operation	functionality	
engine -> engine operation -> power development	functionality -> misfire	
engine -> housing, crankshaft -> crankcase ventilation hose	component / consumables -> cracked/broken	

Vehicle data

Bentayga Series - V8 Kovomo

Sales types

Type	MY	Brand	Designation	Engine code	Gearbox code	Final drive code
4V14D9	2019	E		*	*	*
4V14D9	2020	E		*	*	*
4V14D9	2021	E		*	*	*

Chassis numbers

Manufacturer	Filler	Type	Filler	MY	Factory	From	To	Prod from	Prod to
SJA	*	*	*	K	C	023721	027132		
SJA	*	*	*	L	C	027939	029995		
SJA	*	*	*	M	C	032554	039237		

Documents

Document name
master.xml

Customer statement / workshop findings

- Engine warning lamp illuminated within the Driver Instrument Panel (DIP)
- DTC P227900 is evident within Engine control unit 0001 in conjunction with DTC P030000
- Whistle noise may also be evident from the engine

Technical background

NOTICE

The parts listed below are eligible for a warranty extension on vehicles up to 15 years or 150,000 miles

The warranty extension **only** applies to vehicles which are registered and used in the United States and Canada

Hint: No other part numbers are eligible other than the part numbers listed within this TPI

The issue described is due to a split breather diaphragm in one or both of the turbocharger full load pipes (Figure 1)

The diaphragm of the bank 1 turbocharger full load pipe is located at the end of the pipe and can be easily located however the diaphragm of the bank 2 turbocharger full load pipe is installed within the pipe and therefore will not visible

Hint: the breather diaphragm could be split/damaged or missing

Figure 1

Hint: The diaphragm of the A,B and E suffix parts is orange (Figure 1)

Bank 1

0P2 103 211A

0P2 103 211B

0P2 103 211 E

Bank 2

0P2 103 210A

0P2 103 210B

0P2 103 210E

Hint: The diaphragm of 0P2 103 210G and 0P2 103 211H are blue (Figure 2)

Bank 1

0P2 103 211H

Bank 2

0P2 103 210G

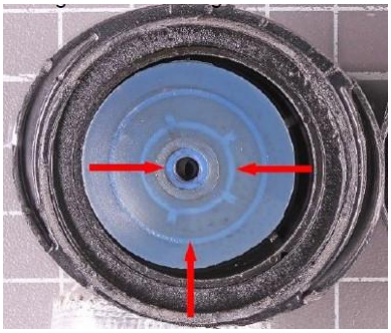

Figure 2

Production change

Production improvement was performed by fitting the diaphragm directly into the housing of the bank 1 and bank 2 turbochargers on all VINs post SJAAM2ZV3MC039237 (Figure 3)

VINs with this design are **not** subject to extended warranty

In the event the issue is evident post the suggested VIN the operative should raise a technical DISS query and await feedback before conducting any further work

Figure 3

Measure

1) Referring to Rep.Gr 21 - Replace the bank 1 (right) and bank 2 (left) turbocharger full load pipes

The operative should remove any debris belonging to the original diaphragm before fitting the new replacement pipes

NOTICE

Note: when conducting the instructions within this TPI please ensure the bank 1 and bank 2 turbocharger full load pipes are replaced in pairs (during the same workshop visit)

Referring to Figure 4

- Point A - Is the bank 1 (right) turbocharger full load pipe
- Point B - Is the bank 2 (left) turbocharger full load pipe

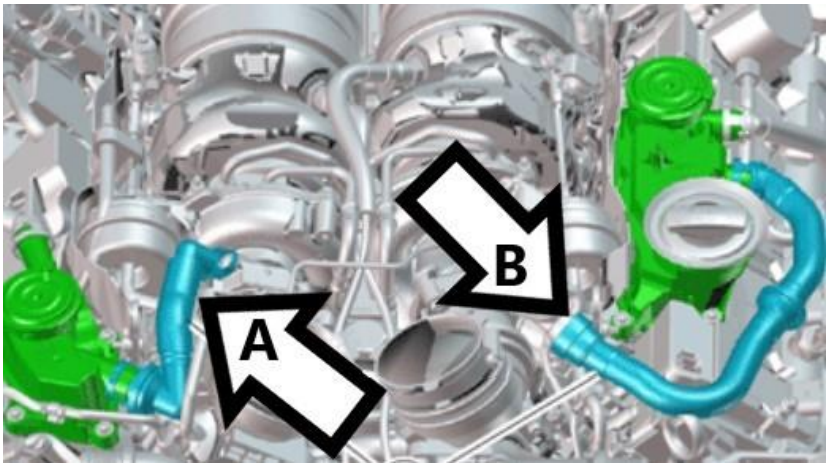

Figure 4

2) To confirm both pipes have been replaced using the H level parts the operative must place a yellow paint mark as shown in Figure 5

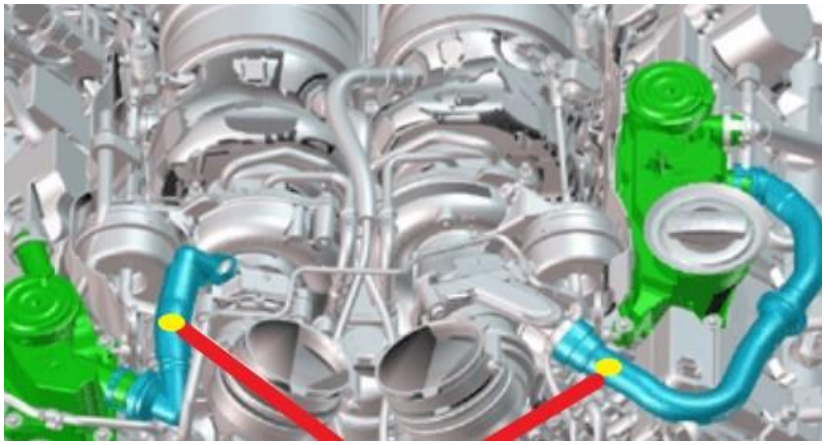

Figure 5

NOTICE

Single use items

Within this procedure there are single use items (O-rings and pipe securing fixing) these must be replaced and not reused, ensure that new replacements are available prior to starting this procedure as per all Rep.Gr 21 instructions

Warranty accounting instructions

Warranty type - 114

Damage Service Number 21 41

Damage Code 00 10

Diagnosis time

Labour Operation Code 01 50 00 00

Time As per ODIS log (must not exceed 10 TU)

Time to replace bank 1 (right) turbocharger full load pipe

Labour Operation Code 10 52 19 72

Time 10 TU

Time to replace bank 2 (left) turbocharger full load pipe

Labour Operation Code 10 52 19 71

Time 20 TU

Time to replace bank 1 and bank 2 turbocharger full load pipe

Labour Operation Code 10 52 20 71

Time 20 TU

Time to remove and refit the air cleaner

Labour Operation Code 24 25 19 20

Time 30 TU

Parts information

Bank 1 (right) Turbocharger full load pipe - 0P2 103 211H

Bank 2 (left) Turbocharger full load pipe - 0P2 103 210G

NOTICE

Within the Rep.Gr 21 procedure there are single use items (O-rings and pipe securing fixing) these must be replaced and not reused, ensure that new replacements are available prior to starting this procedure as per all Rep.Gr 21 instructions and the ETKA parts catalogue