

Technical product information

Topic	High pitched whistle from the engine - Warning light within the DIP - Engine not running smoothly - Numerous DTC's
Market area	Bentley: worldwide (2WBE)
Brand	Bentley
Transaction No.	2059379/3
Level	EH
Status	Released for publishing
Release date	02-Nov-2022

Event memory entries

Diagnostic address	Event memory entry	Fault type	Fault status
0001 - Engine electronics	P030000: Random/Multiple Cylinder Misfire Detected		Intermittent
0001 - Engine electronics	P030000: Random/Multiple Cylinder Misfire Detected		static
0001 - Engine electronics	P030500: Cyl.5 Misfire Detected		Intermittent
0001 - Engine electronics	P030500: Cyl.5 Misfire Detected		static
0001 - Engine electronics	P030600: Cyl.6 Misfire Detected		Intermittent
0001 - Engine electronics	P030600: Cyl.6 Misfire Detected		static
0001 - Engine electronics	P030700: Cyl.7 Misfire Detected		Intermittent
0001 - Engine electronics	P030700: Cyl.7 Misfire Detected		static
0001 - Engine electronics	P030800: Cyl.8 Misfire Detected		Intermittent
0001 - Engine electronics	P030800: Cyl.8 Misfire Detected		static
0001 - Engine electronics	P01C900: Fuel Rail/System Pressure Bank 2 Too High		Intermittent
0001 - Engine electronics	P01C900: Fuel Rail/System Pressure Bank 2 Too High		static
0001 - Engine electronics	P227900: Intake Air System Leak		Intermittent
0001 - Engine electronics	P227900: Intake Air System Leak		static
0001 - Engine electronics	P036300: Misfire Detected - Fueling Disabled		Intermittent
0001 - Engine electronics	P036300: Misfire Detected - Fueling Disabled		static
0001 - Engine electronics	P016A00: Excessive Time To Enter Closed Loop Air/Fuel Ratio Control		Intermittent
0001 - Engine electronics	P016A00: Excessive Time To Enter Closed Loop Air/Fuel Ratio Control		static

New customer code

Object of complaint	Complaint type	Position
engine -> cooling, lubrication	functionality	
engine -> emission control	control units, services	
engine -> engine operation -> engine refinement	noise, vibration -> noise	
vehicle service -> vehicle diagnosis -> guided fault finding	control units, services -> with event log entry	
engine -> lubrication system	noise, vibration	

Vehicle data

Bentayga Series - V8 Kovomo

Sales types

Type	MY	Brand	Designation	Engine code	Gearbox code	Final drive code
4V14D9	2018	E		*	*	*
4V14D9	2019	E		*	*	*
4V14D9	2020	E		*	*	*
4V14D9	2021	E		*	*	*
4V14D9	2022	E		*	*	*
4V14D9	2023	E		*	*	*
ZV14D9	2023	E		*	*	*

Documents

Document name

master.xml

Customer statement / workshop findings

Customer statement/Workshop findings

- Emission control warning light evident within the DIP (Figure 1)



Figure 1

- Engine not running/idling smoothly
- High pitched whistle from the right hand side of the engine *TIP: Refer to video within the Bentley Hub referencing TPI 2059379/-*
- A selection of DTC's are evident (as per TPI Event memory entries)

Technical background

Air intake leak due to a broken one-way diaphragm valve from within the Bank 1 breather line

Production change

Not applicable

Measure

1) At engine idle speed - Listen for air leaks/whistle noise from right hand side of engine

- Attempt to clear all related DTC's
- Conduct an ignition cycle
- Recheck for the presence of any related DTC's/symptoms NOTE: In the event of related DTC's and symptoms returning carry out the remaining instructions

2) Referring to Figure 2 - Replace the Bank 1 breather line (Point A) and fixing (Point B) – Refer to applicable sections from Rep.Gr 10 - Oil mist separator bank 1 - To remove and fit

- Replace the oil filler pipe seal to the Bank 2 oil separator (Point C)

And

Replace the oil filler pipe including all seals (Figure 3) – Refer to applicable sections from Rep.Gr 10 - Oil mist separator bank 2 - To remove and fit

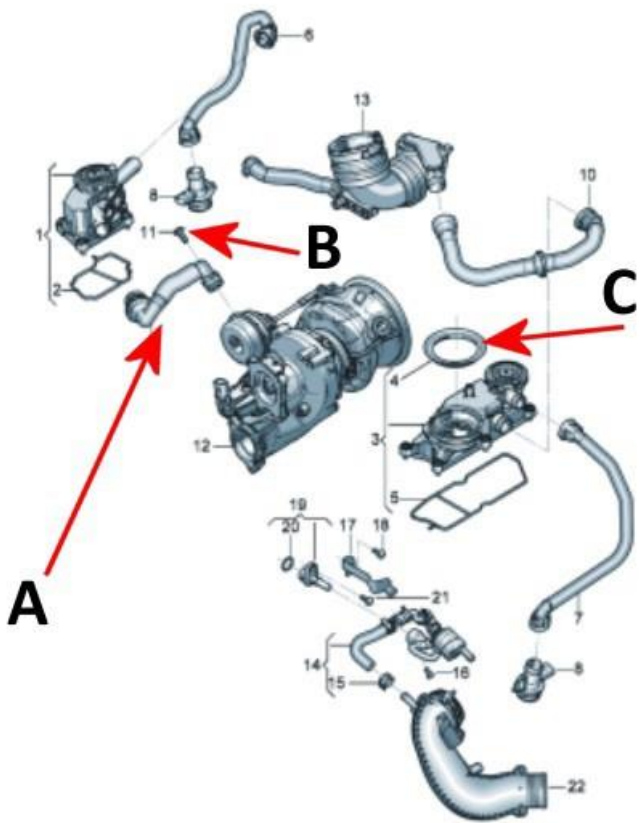


Figure 2

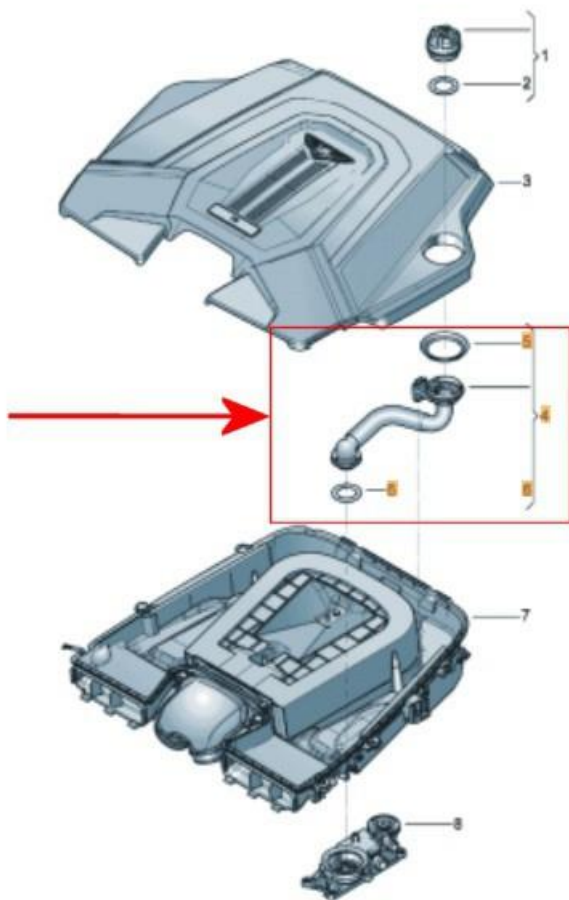


Figure 3

Warranty accounting instructions

Warranty Type - 110 or 910

Damage Service Number 10 50

Damage Code 00 20

Labour

Labour Operation Code 10 52 41 22

Time 50 Time units

Parts information

Part number	Description	Quantity
0P2 103 211B	Bank 1 - Breather line	1
0P2 103 448	Fixing	1
4M0 115 301M	Oil filler pipe	1
06M 103 727A	Oil filler pipe seal to Bank 2 oil separator	1