

Technical product information

Topic	Mulsanne - Camshaft Position - Diagnostic Trouble codes
Market area	Bentley: worldwide (2WBE),Hongkong-Macau (5HK)
Brand	Bentley
Transaction No.	2057991/1
Level	EH
Status	Approval
Release date	

New customer code

Object of complaint	Complaint type	Position
engine -> engine operation	noise, vibration	
engine -> operation, engine control	functionality	
engine -> engine operation -> engine refinement	functionality -> uneven	

New workshop code

Object of complaint	Complaint type	Position
engine -> operation, engine control -> engine control unit	control units, services -> with event log entry	

Vehicle data

Mulsanne

Sales types

Type	MY	Brand	Designation	Engine code	Gearbox code	Final drive code
3Y2*	2016	E		*	*	*
3Y2*	2017	E		*	*	*
3Y2*	2018	E		*	*	*
3Y2*	2019	E		*	*	*
3Y2*	2020	E		*	*	*

Documents

Document name
master.xml

Customer statement / workshop findings

Malfunction Indicator Lamp (MIL) illuminated on driver instrument panel.

Engine runs “unevenly” when starting from cold.

Camshaft position Diagnostic Trouble Codes (DTC’s) stored within Engine Control Unit (ECU).

Technical background

When the engine is cold increased friction within the camshaft adjuster unit may result in “*camshaft position*” DTC’s being stored within the ECU. The concern can be resolved by replacing the camshaft timing gear with a “B” level part which utilises an internal return spring with higher rate. See *Parts information* below.

There are many possible DTC’s related to this failure, the following is a typical example – *P001200 : A Camshaft position (Bank 1) timing over-retarded.*

Production change

Measure

With a confirmed customer complaint of uneven engine running and camshaft position DTC’s stored within the ECU, replace the camshaft timing gear with a “B” level part.

Refer to *Repair Group - 15 Engine cylinder head, valve gear / Camshaft / Timing gear – to replace.*



When all work is complete conduct at least one “cold start” and two drive cycles prior to handing the vehicle to the Customer.

Parts information

Part Number	Description	Quantity
07V109227B	Camshaft Gear (including camshaft adjuster unit)	One