

Technical product information

Topic	Bentley mode \$6 misfire incorrect cylinder attribution - Bentayga W12 - 20 Model Year only
Market area	Korea, (South) E08 Bentley South Korea (6E08),United States E05 Bentley USA and rest America (6E05)
Brand	Bentley
Transaction No.	2061054/1
Level	EH
Status	Approval
Release date	

New customer code

Object of complaint	Complaint type	Position
engine -> engine operation -> engine refinement	functionality -> misfire	
vehicle service -> vehicle diagnosis -> guided fault finding	control units, services -> with event log entry	
vehicle service -> service, maintenance	control units, services	

Vehicle data

Bentayga W12 - 20 Model Year only

Sales types

Type	MY	Brand	Designation	Engine code	Gearbox code	Final drive code
4V14A9	2020	E		*	*	*
4V14G9	2020	E		*	*	*

Documents

Document name
master.xml

Customer statement / workshop findings

When the engine is misfiring, the misfires are detected correctly by ODIS (Or generic Scan tool)

However

Mode\$03 & Mode\$07: DTCs are correct (P03xx)

Mode\$06: Misfire counts are against the wrong cylinder

Technical background

The reported cylinder number for misfire counts must be translated to the actual cylinder as per the following example:

A problem with cylinder 12 when using (ODIS service tool or a generic scan tool) equates to a misfire count against cylinder 9 (within the engine)

Engine cylinder number	1	2	3	4	5	6	7	8	9	10	11	12
DTC (Mode \$03, etc)	P0301	P0302	P0303	P0304	P0305	P0306	P0307	P0308	P0309	P0310	P0311	P0312
Cylinder Mode \$06	1	6	5	2	4	3	7	12	11	8	10	9

Production change

Correct cylinder attribution resolved from 21 Model Year onwards

Measure

Not applicable