

## Technical Service Bulletin

|                        |                                                                                                        |
|------------------------|--------------------------------------------------------------------------------------------------------|
| <b>Topic</b>           | Engine: engine management light on, possible misfire: event entry with 'Camshaft adjuster "A" or "B" ' |
| <b>Market area</b>     | Bentley: worldwide (2WBE),Hongkong-Macau (5HK)                                                         |
| <b>Brand</b>           | Bentley                                                                                                |
| <b>Transaction No.</b> | 2051769/2                                                                                              |
| <b>Level</b>           | EH                                                                                                     |
| <b>Status</b>          | Released for publishing                                                                                |
| <b>Release date</b>    | Sep 6, 2018                                                                                            |

### New customer code

| Object of complaint                                                                                                                  | Complaint type             | Position |
|--------------------------------------------------------------------------------------------------------------------------------------|----------------------------|----------|
| information, navigation, communication, entertainment -> malfunction display symbols -> emissions control system malfunction display | functionality -> activates |          |
| engine -> engine operation -> engine running                                                                                         | functionality -> misfire   |          |

## Vehicle data

### Bentayga W12

#### Sales types

| Type   | MY   | Brand | Designation          | Engine code | Gearbox code | Final drive code |
|--------|------|-------|----------------------|-------------|--------------|------------------|
| 4V14A9 | 2018 | E     | SUV BY636 447/W128AG | DDBB        | QTZ          | QUS              |
| 4V14A9 | 2018 | E     | SUV BY636 447/W128AG | DDBB        | SHT          | QUS              |
| 4V14A9 | 2018 | E     | SUV BY636 447/W128AG | DDBB        | RGQ          | QUS              |

## Documents

| Document name              |
|----------------------------|
| <a href="#">master.xml</a> |



## Condition

### Customer statement:

- The engine management light is on.

### And/or

- The vehicle misfires.

### Workshop findings:

- One or both customer statements can be reproduced.

Here is an example of a possible event entry that can be logged (permanently or sporadically) in the engine control unit 2 **address 0011** relating to the **Camshaft adjuster**;

"P128EOO Camshaft adjuster "A" or "B" cylinder 10, Self-switching"

□

**Other variations of the DTC are possible.**

## Technical Background

In isolated cases the failure of the roller tappet can lead to the fault code 'Camshaft adjuster "A" or "B" cylinder (X) Self switching" being stored in the event memory of **address 0011**.

## Production Solution

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## Service

1. Complete the event entries with the vehicle tester, checking all circuitry of the CDA system.
2. If the test plan leads to a replacement of the camshaft adjuster, firstly apply **TPI 2051187/1** -providing compressions and cylinder leakages. If no obvious fault can be determined, follow point 3.
3. Remove the camshaft cover for bank 2 and check for damage to the relevant cylinder roller tappet.

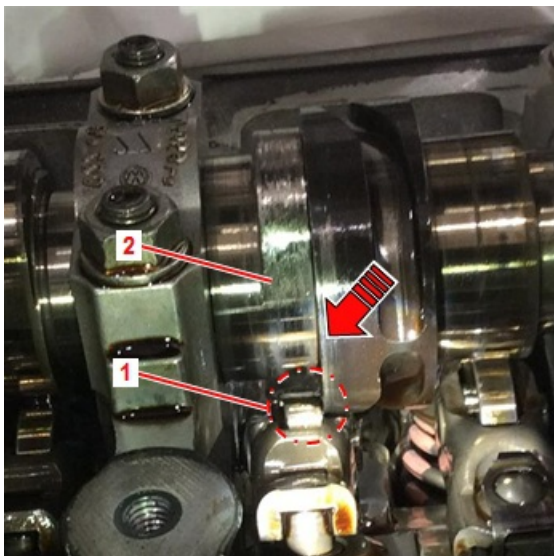


Figure 1: Example of roller tappet damage.

If this failure is identified please raise a DISS technical query with your findings-to include attached images and current diagnostic log.