

# Technical product information

<b>Topic</b>	Engine light in the DIP - Various Camshaft adjuster DTC's logged within the Engine Control Module(s)
<b>Market area</b>	Bentley: worldwide (2WBE),China 796 VW Import Comp. Ltd (Vico), Beijing (6796)
<b>Brand</b>	Bentley
<b>Transaction No.</b>	2075318/1
<b>Level</b>	EH
<b>Status</b>	Approval
<b>Release date</b>	

## Event memory entries

Diagnostic address	Event memory entry	Fault type	Fault status
0001 - Engine electronics	P119E00: Exhaust cam adjuster feedback line electrical error		static
0001 - Engine electronics	P116E00: Exhaust cam adjuster feedback line input electrical error		static
0001 - Engine electronics	P11EE00: Activation of cam adjuster supply relay Short circuit to Ground (GND)		static
0001 - Engine electronics	P135D00: Exhaust cam adjuster "A" cylinder 12 Short circuit to Ground (GND)		static
0001 - Engine electronics	P12F800: Cam adjuster "A" cylinder 12 Short circuit to Ground (GND)		static
0001 - Engine electronics	P12FC00: Cam adjuster "A" cylinder 12 Circuit/Open Circuit		static
0001 - Engine electronics	P31C000: Cam Shift Actuator Outlet "A" Cylinder 8 Circuit Low		static
0001 - Engine electronics	P135C00: Exhaust cam adjuster "A" cylinder 11 Short circuit to Ground (GND)		static
0001 - Engine electronics	P31B800: Cam Shift Actuator "A" Cylinder 8 Circuit Low		static
0001 - Engine electronics	P11BD00: Cam Shift Actuator "A" Cylinder 8 Range/Performance		static
0011 - Engine Electronics 2	P119E00: Exhaust cam adjuster feedback line electrical error		static
0011 - Engine Electronics 2	P116E00: Exhaust cam adjuster feedback line input electrical error		static
0011 - Engine Electronics 2	P11EE00: Activation of cam adjuster supply relay Short circuit to Ground (GND)		static
0011 - Engine Electronics 2	P135D00: Exhaust cam adjuster "A" cylinder 12 Short circuit to Ground (GND)		static
0011 - Engine Electronics 2	P12F800: Cam adjuster "A" cylinder 12 Short circuit to Ground (GND)		static
0011 - Engine Electronics 2	P12FC00: Cam adjuster "A" cylinder 12 Circuit/Open Circuit		static
0011 - Engine Electronics 2	P31C000: Cam Shift Actuator Outlet "A" Cylinder 8 Circuit Low		static
0011 - Engine Electronics 2	P135C00: Exhaust cam adjuster "A" cylinder 11 Short circuit to Ground (GND)		static
0011 - Engine Electronics 2	P31B800: Cam Shift Actuator "A" Cylinder 8 Circuit Low		static
0011 - Engine Electronics 2	P11BD00: Cam Shift Actuator "A" Cylinder 8 Range/Performance		static

## New customer code

Object of complaint	Complaint type	Position
electrical power, electric system, data transfer -> data bus systems	component / consumables	
vehicle service -> vehicle diagnosis -> guided fault finding	control units, services -> with event log entry	
power transmission -> power distribution, power flow -> power flow	functionality -> without function / defect	
electrical power, electric system, data transfer -> power supply	functionality	

## Vehicle data

### Continental GT/C - Flying Spur - Bentayga Series

#### Sales types

Type	MY	Brand	Designation	Engine code	Gearbox code	Final drive code
3S3*	2018	E		*	*	*
3S3*	2019	E		*	*	*
3S3*	2020	E		*	*	*
3S3*	2021	E		*	*	*
3S3*	2022	E		*	*	*
3S3*	2023	E		*	*	*
3S3*	2024	E		*	*	*
3S4*	2019	E		*	*	*
3S4*	2020	E		*	*	*
3S4*	2021	E		*	*	*
3S4*	2022	E		*	*	*
3S4*	2023	E		*	*	*

3S4*	2024	E		*	*	*
4V1*	2017	E		*	*	*
4V1*	2018	E		*	*	*
4V1*	2019	E		*	*	*
4V1*	2020	E		*	*	*
4V1*	2021	E		*	*	*
4V1*	2022	E		*	*	*
4V1*	2023	E		*	*	*
4V1*	2024	E		*	*	*
ZG2*	2020	E		*	*	*
ZG2*	2021	E		*	*	*
ZG2*	2022	E		*	*	*
ZG2*	2023	E		*	*	*
ZG2*	2024	E		*	*	*
ZV1*	2023	E		*	*	*
ZV1*	2024	E		*	*	*

## Documents

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

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## Customer statement / workshop findings

Engine light in the DIP - Various Camshaft adjuster DTC's logged within the Engine Control Module(s)

## Technical background

In the event that one or a combination of DTC's shown below are evident within the engine control module(s) the operative should carry out the instructions within the Measure section of this TPI

- P119E00: Exhaust cam adjuster feedback line electrical error
- P116E00: Exhaust cam adjuster feedback line input electrical error
- P11EE00: Activation of cam adjuster supply relay Short circuit to Ground (GND)
- P135D00: Exhaust cam adjuster "A" cylinder 12 Short circuit to Ground (GND)
- P12F800: Cam adjuster "A" cylinder 12 Short circuit to Ground (GND)
- P12FC00: Cam adjuster "A" cylinder 12 Circuit/Open Circuit
- P31C000: Cam Shift Actuator Outlet "A" Cylinder 8 Circuit Low
- P135C00: Exhaust cam adjuster "A" cylinder 11 Short circuit to Ground (GND)
- P31B800: Cam Shift Actuator "A" Cylinder 8 Circuit Low
- P11BD00: Cam Shift Actuator "A" Cylinder 8 Range/Performance

## Production change

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## Measure

- 1) Referring to the VIN applicable wiring diagram within Elsa pro - Conduct a wiring integrity check of the camshaft adjuster / camshaft shift actuator circuits
- 2) Locate the fuse(s) which are assigned to camshaft adjuster / camshaft shift actuator
- 3) Conduct a visual inspection of the following:

- Fuse holder terminals - Check for damage / misalignment of terminals

**Hint:** In this scenario the terminals must be repaired / replaced (depending on damage) once repaired / replaced the fuse must be renewed, ensure both fuse blades are aligned to both terminals before fitting the fuse

- Fuse - Check for damage / bent fuse blade(s)

**Hint:** The fuse blades shown in Figure 1 are damaged / bent, in this scenario the fuse must be renewed, ensure both blades are aligned to both terminals before fitting the fuse

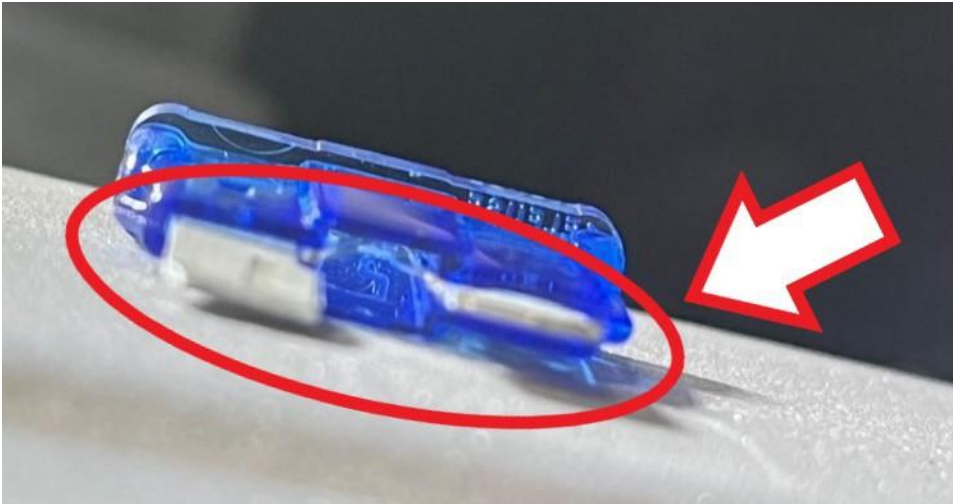


Figure 1

**NOTICE**

In the event the issue is still evident after conducting the previous steps, the operative must raise a technical DISS query and await feedback before conducting any further work

**Warranty accounting instructions**

Warranty type: 110 or 910

Service ID number: 15 84

Damage type: 00 55

**Diagnosis time**

Labour operation code: 01 51 00 00

Time: As per ODIS log must not exceed 50 TU

**Time to conduct wiring integrity checks**

Labour operation code: 97 09 01 00

Time: 50 TU