

Technical product information

Topic	Bentayga - DTC C103129 - Air suspension warning displayed in Driver Instrument Panel
Market area	Russische Föderation (5RU),Australia E04 Bentley rest Asia and Australia (6E04),China 796 VW Import Comp. Ltd (Vico), Beijing (6796),Germany E02 Bentley rest Europe (6E02),Japan E03 Bentley Japan (6E03),Korea, (South) E08 Bentley South Korea (6E08),United Arab Emirates E06 Bentley Middle East and Africa (6E06),United Kingdom E01 Bentley UK (6E01),United States E05 Bentley USA and rest America (6E05)
Brand	Bentley
Transaction No.	2063891/1
Level	EH
Status	Approval
Release date	

Event memory entries

Diagnostic address	Event memory entry	Fault type	Fault status
0074 - Chassis control	C103129: Level control pressure sensor Range/Performance		Intermittent
0074 - Chassis control	C103129: Level control pressure sensor Range/Performance		static

New customer code

Object of complaint	Complaint type	Position
running gear -> shock absorber/suspension control -> roll compensation	functionality -> without function / defect	
running gear -> adaptive suspension, pitch and roll compensation	functionality	
vehicle service -> vehicle diagnosis	control units, services	

New workshop code

Object of complaint	Complaint type	Position
running gear -> actuation, dynamics and braking controls -> control unit for anti-roll bar decoupling	functionality -> faulty	

Vehicle data

Bentayga

Sales types

Type	MY	Brand	Designation	Engine code	Gearbox code	Final drive code
4V1*	2017	E		*	*	*
4V1*	2018	E		*	*	*
4V1*	2019	E		*	*	*

Chassis numbers

Manufacturer	Filler	Type	Filler	MY	Factory	From	To	Prod from	Prod to
SJA	*	*	*	*	C	000001	023610		

Documents

Document name
master.xml

Customer statement / workshop findings

Air suspension system warning displayed in the Driver Instrument Panel (DIP)



Technical background

Diagnostic Trouble Code (DTC) C103129 Level control pressure sensor Implausible signal symptom (DTC) stored in the Chassis control unit (Address 74). The onward procedure will check, and if necessary, perform software updates to Addresses 74, D4 and D5. This will bring them to the latest, compatible software level.

Production change

This TPI is only applicable to Vehicles which have software version less than 1244 installed in the Adaptive suspension control unit - J197 (Address 74)

Measure

General information for the reprogramming

- The closed-circuit voltage of the vehicle must be at least 12.5 V during the reprogramming. Connect the battery of the vehicle to an external power supply. For further information see the Maintenance manual.
- During the reprogramming switch off all unnecessary consumers (ventilation, seat heater, inside light).
- Because of the highest transmission stability we recommend the use of the diagnosis interface VAS 6154 (WiFi diagnostic tool) only in the USB operation or the cable-connected VAS 5055 for the reprogramming (updating) of control units. If these units are not available, the diagnosis interface VAS 5054 (A) can also be used in USB mode

1) Ensure a suitable battery charger is correctly connected to the vehicle electrical system for the duration of this procedure



Figure 1

2) Ensure the ignition key is located in the remote control key reader and switch on the ignition (Figure 1)

3). From the diagnostic tool main desktop select the Off Board Diagnostic Information System —

- Select – Start diagnosis
- Select – Model / Engine



Figure 2

4) Referring to Figure 2 - Select Special functions (1), Select SVM – Problem related Hardware/Software Update (2), Select Perform test (3)

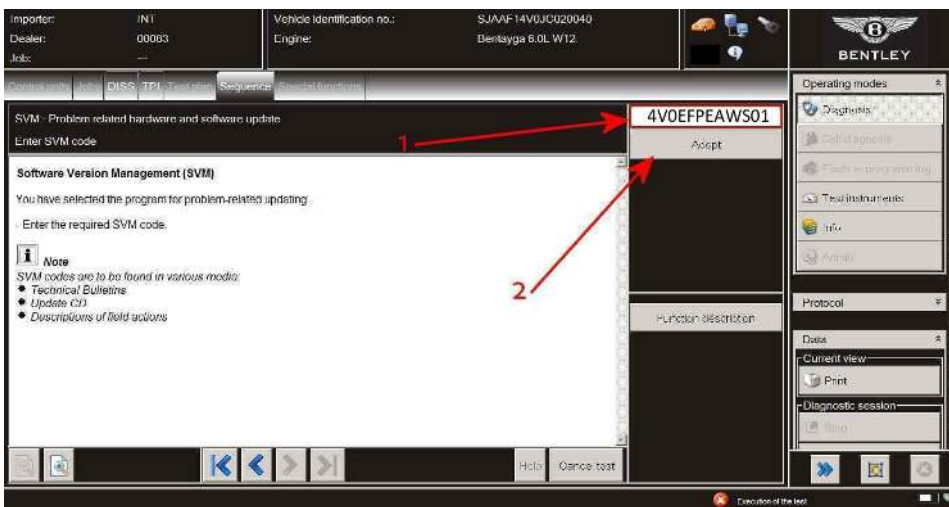


Figure 3

5) Referring to Figure 3 – At the SVM screen (1) enter the specific SVM code 4V0EFPEAWS01 and then select Adopt (2)



Figure 4

6) Referring to Figure 4, Check you have entered the correct SVM code (1) and select Yes (2) and follow all on screen prompts

- When prompted enter your global user ID and password
- Follow all on screen prompts to continue through the procedure

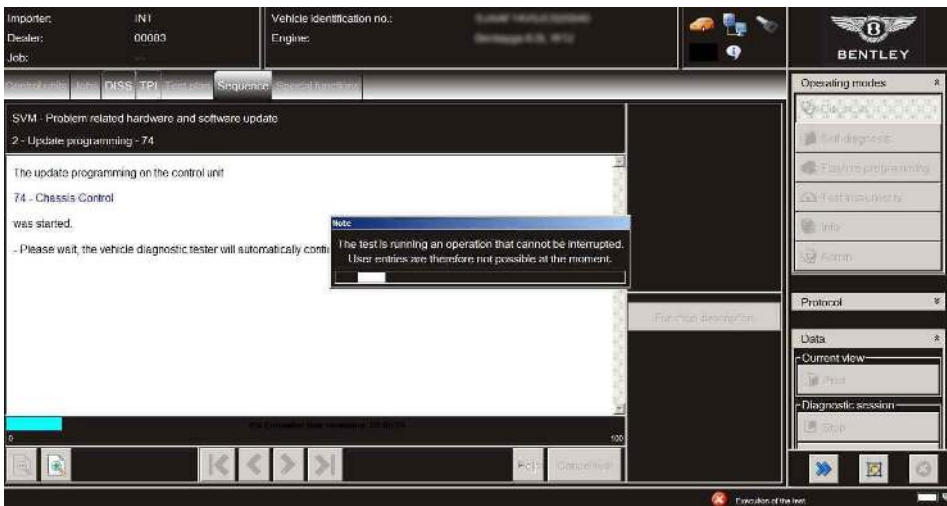


Figure 5

7) The software programming will then be performed (Figure 5), software updates may also be performed on addresses D4 and D5, please follow any further on screen instructions.

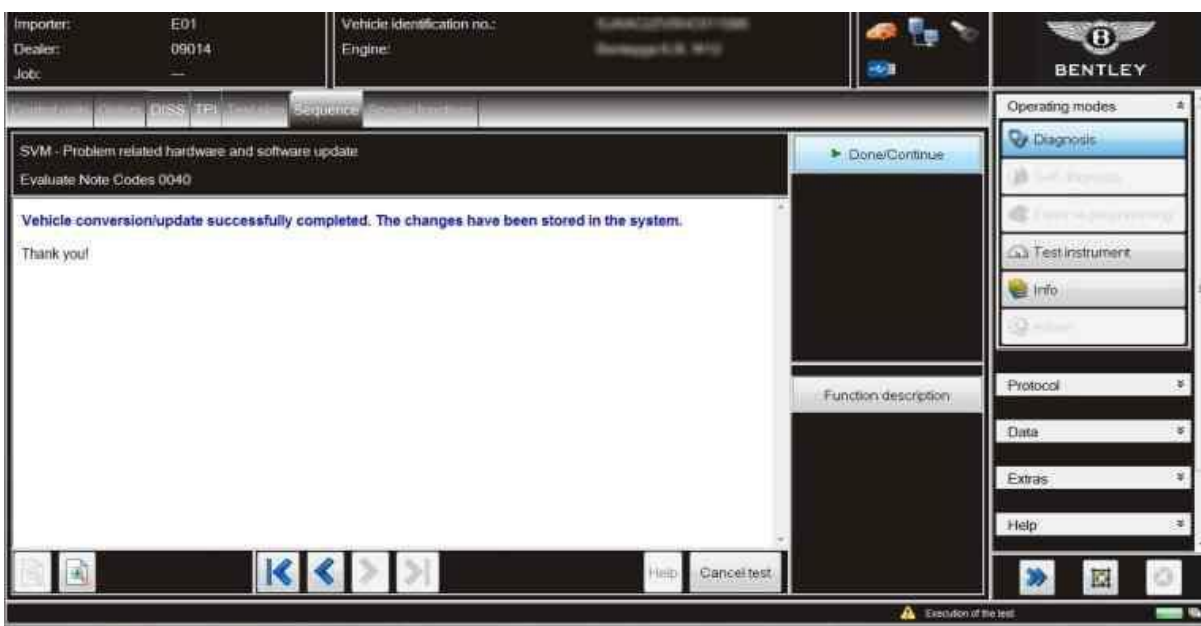


Figure 6

8) Once all updates are complete, a confirmation message will appear, select Done/Continue (Figure 6)

- Clear the vehicle of any fault codes generated as a result of performing this procedure

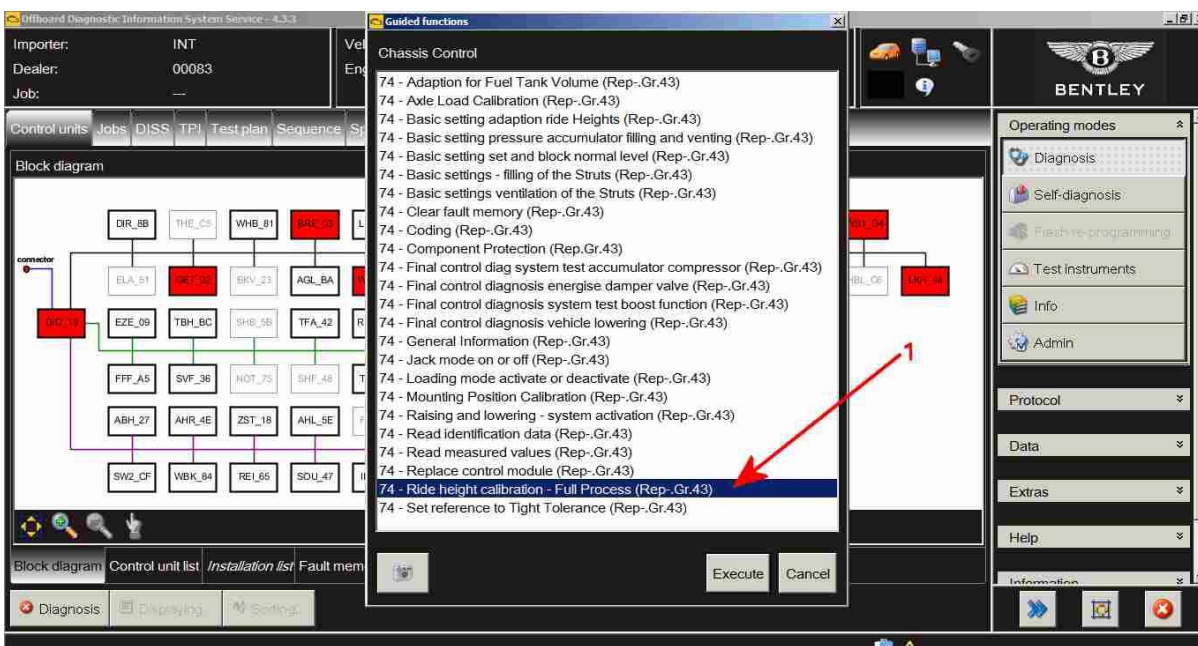


Figure 7

- Referring to Figure 7, Carry out the Ride height calibration – Full Process
- Clear the vehicle of any fault codes generated as a result of performing this procedure
- When requested to Make a Target/Actual comparison – Select Yes and follow all on-screen prompts

9) Adjust Headlamps - Refer to Workshop Manual Rep.Gr 94

Refer to the vehicles specification relating to applicable Driver assist systems, once confirmed carry out the required calibration/adjustments as follows:

- If specified with the ACC system, the vehicle will be fitted with two front facing radars located in the front bumper - Radar alignment MUST ONLY be carried out once all wheels have been successfully aligned. Refer to "Vehicle geometry - Wheel alignment and ride heights".
- Driver assist systems (Depending on specification) – Refer to Workshop Manual Rep.Gr 44
- Camera system (Depending on specification) - Refer to Workshop Manual Rep.Gr 94

Warranty accounting instructions

Software Update

Warranty Type 110 or 910

Labour Operation Code 01 51 00 00

Damage Service Number 43 16

Damage Code 00 40

Time As per ODIS log (Must not exceed 30 TU)

Alignment of applicable driver assist systems (Depending on vehicle specification)

- Vehicle front + rear measured wheel alignment checked - 44 95 03 00 - 110 TU
- Rear wheel camber adjust - 44 94 15 50 - 30 TU
- Rear wheel track adjust - 44 93 15 50 - 30 TU
- Front wheel camber adjust - 44 89 15 50 - 40 TU
- Front wheel track adjust - 44 88 15 50 - 20 TU
- (ACC) - Radar sensor checked + adjusted - 91 63 05 51 - 30 TU
- Overhead view camera adjusted - 90 83 15 00 - 40 TU
- Driver assist camera adjusted - 96 38 15 50 - 120 TU
- Control unit for (Lane change assist) adjusted - 96 35 15 00 - 50 TU
- Night vision system calibration - 90 80 15 50 - 40 TU
- Headlamps to adjust - 94 15 16 00 - 20 TU