Technical Service Bulletin

Торіс	Bentayga - DTC C103129 - Air suspension warning displayed in Driver Instrument Panel					
Market area	Bentley: worldwide (2WBE),Hongkong-Macau (5HK)					
Brand	Bentley					
Transaction No.	2051818/4					
Level	EH					
Status	Released for publishing					
Release date	Jun 4, 2019					

Diagnostic trouble codes

Diagnostic address	Diagnostic trouble code	Fault symptom	Storage state
0074 - Chassis Control	C103129: Level control pressure sensor Implausible signal		Intermittent
0074 - Chassis Control	C103129: Level control pressure sensor Implausible signal		static

New customer code

Object of complaint	Complaint type	Position
chassis -> damping\suspension regulation -> roll compensation	functionality -> no function	
chassis -> level control system, pitch and roll compensation	functionality	
vehicle service -> vehicle diagnosis	control modules, services	

New workshop code

Object of complaint	Complaint type	Position
chassis -> operation, driving and brake regulation -> stabilizer bar decoupling control module	functionality -> faulty	

Vehicle data

Bentayga

Sales types

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

Chassis numbers

Manufacturer	Filler	Туре	Filler	MΥ	Factory	From	То	Prod from	Prod to
SJA	*	*	*	*	С	000001	023610		

Documents



Technical Service Bulletin Bentayga - DTC C103129 - Air suspension warning displayed in Driver Instrument Panel

Condition

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)

Production Solution

This TPI is only applicable to Vehicles which have software version less than 1244 installed in the Adaptive suspension control unit - J197 (Address 74) Following a successful update, the part number will change to 4M0 907 777L with software version 1244

Service

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. Connect the Bentley approved diagnostic tool to the vehicle On Board Diagnostic (OBD) socket. NOTE: The process is Initiated via Bentley diagnostic tool (VAS 6150C or similar) using a hard wire connection to the vehicle OBD socket, Bluetooth connections should not be used

Your Bentley diagnostic tester must be loaded with Bentley Brand Diagnostic Data Version 2.24.7 or higher

- 4. From the diagnostic tool main desktop select the Off Board Diagnostic Information System
- 5. Select Start diagnosis
- 6. Select Model / Engine

Importer: Desiler: Job:	E01 09014	Vehicle identification no.: Engine:	SJAAB14V6HC011249 Bentayga 6.0L W12	🥔 🍢 🏷	BENTLE	e y
Control units	Orders DISS TPI Test pla	n Sealence Special functions			Operating modes	(A)
Tests for the	complete vehicle				📎 Diagnosis	
Status	Tests				🍰 Self-diagnosis	
- 100	74 - Loading mode	activate or deactivate (Rep.,Gr.43)			C Finance progra	_
	Software Version Manager	nent (SVM)		1	Ca Test Instrumen	_
-	SVM - Activations					<u> </u>
-	SVM - Communica	tion Test			info	
-	SVM - Problem reli	ned Hardware/Software Update	2		Admin	
-	SVM - Target / Act	ual comparison			Protocol	*
	SVM - Vehicle mod	lification			Data	
	SVM Further Actions				Ditte	
	SVM MMI - Reset	Fault Memory			Extras	*
	SVM MMI - 1794 -	Replace Control Unit			Help	5
Perform les	3 Show documents					0
				<u>A</u>		

Figure 2

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

Importer: Dealer: Job:	INT 00083 	Vehicle identification no.: Engine:	SJAAF14V0JC020040 Bentayga 6.0L W12	🥔 🌆 🏷	BENTLEY	
Control units Job	s DISS TPI, Test plan	Sequence Special functions			Operating modes	*
SVM - Problem	elated hardware and soft	ware update	4	V074TPIUPDATE	🧐 Diagnosis	
Enter SVM code				Adopt	🎒 Self-diagnosis	
Software Versi	on Management (SVM)	-	E	1	🕼 Flash re-programmi	Ing
You have selected	ed the program for probler	m-related updating.		3 9	🛆 Test instruments	
- Enter the requi	red SVM code.				📔 Info	
I Note					G Admin	
SVM codes are • Technical Bu	to be found in various me lletins	edia:	2/			
 Update CD Descriptions 			-	Function description	Protocol	¥
					Data	*
					Current view	
					Drint	
					Diagnostic session	
			<u>r</u>		C Stop	
	ŀ	< < > >	Help Cancel test		»	0
				Execution of the	e test	

Figure 3

8. Referring to Figure 3 – At the SVM screen (1) enter the specific SVM code 4V074TPIUPDATE and then select Adopt (2)

Importer. Deuker: Job:	E01 09014	Vende identification na . Engine	Second Second	- - -	BENTL	EY
C	State Jay 2 and	Searcher In the State	_		Operating modes	3
SVM - Phubiens	related hardware and sol	www.update.	2	Yes	Distagnanta -	
Enter SVM cod	6			No	BORNEY STREET	
	entered by you is.		- 1 A		4	
4V074T	PIUPDATE-	_ 1				1
Do you want to	o apply the entered SVN	I code?			😧 Intu	
					9	
			-	Function description	Protocol	-
			1		Data	
					Extrata	
					Holp	
	ŀ	< < > >	Hota Caroel fout.		» B	0
				Contraction of the second second	www.	-

Figure 4

- 9. Referring to Figure 4, Check you have entered the correct SVM code (1) and select Yes (2) and follow all on screen prompts
- 10. When prompted enter your global user $\ensuremath{\mathrm{I\!D}}$ and password
- 11. Follow all on screen prompts to continue through the procedure, the identification data will be transferred

12. Once software that requires changing is detected select Done/Continue, Follow all on-screen prompts the online connection will deliver the required software to the tester

Importer: Dealer:	INT 00083	Vehicle identification no.: Engine:	Salah	🥔 🏪 🏷	<u>8</u>
Job:				9	BENTLEY
Control units Jobs DI	SS TPI Test plan Sequen	e Special functions			Operating modes *
SVM - Problem relate	d hardware and software up	late		Yes	🎯 Diagnosis
2 - Update programmi	ng - 74				🍘 Self-diagnosis
For the control unit 74	- Chassis Control update pro	gramming is suggested.		No	Stash re-programming
The new software part	number version for this contr	ol unit is:			Test instruments
4M0907777L ; 1244 Start update program	mming of the control unit?				🙀 Info
	amming is started and can n		1		🚱 Admin
No (the action is abor	ted and update programming	isnot started)			
() Caution				Function description	Protocol ×
Switching off the ignit		stic connector during update progr	amming may mean the control unit		Data *
needs to be replaced					Current view
					Diagnostic session
					C. Stop
	10 4	S S1			
			Help Cancel test		× 🖾 🔇
				🙆 Execution of th	e test 📃 🖬

Figure 5

13. Select Yes to update (Figure 5 point 1)

Importer: Dealer:	INT 00083	Vehicle identification no.: Engine:	Support Installighted	🧢 🏪 🏷	
Job:				•	BENTLEY
Control units Jobs	DISS TPI Test plan Sequence	e Special functions		_	Operating modes *
SVM - Problem rela	ted hardware and software upo	late			📎 Diagnosis
2 - Update program	ming - 74				🍅 Self-diagnosis
The update program	nming on the control unit		A		Sash re-programming
74 - Chassis Contro	bl				🖾 Test Instruments
was started.		Note			😭 Info
- Please wait, the ve	ehicle diagnostic tester will auto		an operation that cannot be interrupted. therefore not possible at the moment.		C Admin
				Function description	Protocol ¥
					Data *
					- Current view
					C Print
			<u></u>		Diagnostic session
0			100		C Stop
	< <	>>	Help. Gancel test		» 🖬 📀
				Execution of the securitor of the sec	e test 🔲 🖷

Figure 6

14. During the update a progress bar will be displayed (Figure 6)

- Follow all remaining on-screen prompts



Figure 7

15. Select Done/Continue at successfully completed screen to finalise the update (Figure 7)

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

Colliboard Diagnostic Infor	mation System Service - 4.3.3	Guided functions		X
Importer: Dealer:	INT 00083	Vel Chassis Control	<i> </i> ال	B
Jöb:		74 - Adaption for Fuel Tank Volume (RepGr.43) 74 - Axle Load Calibration (RepGr.43)	9	BENTLEY
Control units Jobs D	ISS TPI Test plan Sequence	74 - Basic setting adaption ride Heights (RepGr.43) 74 - Basic setting pressure accumulator filling and venting (RepGr.43)		Operating modes *
Block diagram		74 - Basic setting set and block normal level (RepGr.43) 74 - Basic settings - filling of the Struts (RepGr.43)		Diagnosis
		74 - Basic settings ventilation of the Struts (RepGr.43)	1	🍰 Self-diagnosis
	B THE_CS WHB_81 BARE_CO	74 - Clear fault memory (RepGr.43) 74 - Coding (RepGr.43) 74 - Coding (RepGr.43)	20_04-	🕼 Riesbreiprogramming
ELA,6	1 OFT.C. BKV_23 AGL_BA	74 - Component Protection (Rep.Gr.43) 74 - Final control diag system test accumulator compressor (RepGr.43) 74 - Final control diagnosis energise damper valve (RepGr.43)	BL_OS LIGH_H	Test instruments
	9 TBH BC SHB 58 TFA 42	74 - Final control diagnosis system test boost function (RepGr.43)		📦 Info
EZE_0	9 TBH_BC SHE_5E TFA_42	R 74 - Final control diagnosis vehicle lowering (RepGr.43) 74 - General Information (RepGr.43) 74 - Jack mode on or off (RepGr.43)	1	🐼 Admin
FFF_A	5 SVF_36 NOT_75 SHF_48	 74 - Jack mode on or on (RepGr.43) 7 74 - Loading mode activate or deactivate (RepGr.43) 74 - Mounting Position Calibration (RepGr.43) 		Protocol *
ABH_2	7 AHR_4E ZST_18 AHL_5E	74 - Raising and lowering - system activation (RepGr.43) 74 - Read identification data (RepGr.43)		
		74 - Read measured values (RepGr.43) 74 - Replace control module (RepGr.43)		Data ×
SW2_C	F WBK_84 REI_65 SDU_47	74 - Relpace control module (Rep-Gr.43) 74 - Ride height calibration - Full Process (Rep-Gr.43) 74 - Set reference to Tight Tolerance (Rep-Gr.43)		Extras ¥
🔆 🍳 🔍 🖢		74 * Secreterence to fight folerance (Rep-36:43)		-lelp ×
Block diagram Contro	ol unit list Installation list Fault	nem Execute Cancel		
				nformation ¥
🤨 Diagnosis 🖉 🗉	Superving, 14 Sectors:			>> 🖾 🔇
1				

Figure 8

- Referring to Figure 8, 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
- 17. 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

Software Update

Warranty Type	110 or 910
Labour Operation Code	01 29 00 07
Damage Service Number	43 16
Damage Code	00 40

Time	70 Time units
Headlamp adjustment	
Warranty Type	110 or 910
Labour Operation Code	94 15 16 00
Damage Service Number	94 15
Damage Code	00 11
Time	20 Time units

Alignment and calibration times

Refer to Elsa pro Labour Operations depending on vehicle specification/actual adjustments made