Technical product information

Topic	Software incompatibilty between J775 (Address 74) - J924 (Address D4) and J1096 (Address D5)
Market area	Bentley: worldwide (2WBE),Hongkong-Macau (5HK)
Brand	Bentley
Transaction No.	2055643/2
Level	EH
Status	Released for publishing
Release date	03-Jul-2020

New customer code

Object of complaint	Complaint type	Position
running gear -> adaptive suspension, pitch and roll compensation	functionality	
vehicle service -> vehicle diagnosis -> guided fault finding	control units, services -> with event log entry	
running gear -> shock absorber/suspension control	functionality	
running gear -> adaptive suspension, pitch and roll compensation	component / consumables	

Vehicle data

Bentayga specified with the Active anti roll bar system

Sales types

Type	MY	Brand	Designation	Engine code	Gearbox code	Final drive code
4V1*	2017	E		*	*	*
4V1*	2018	E		*	*	*
4V1*	2019	E		*	*	*
4V1*	2020	E		*	*	*
4V1*	2021	E		*	*	*

Documents

Document name
master.xml

Customer statement / workshop findings

After replacing the software or hardware for the Adaptive suspension control unit (J775 – Diagnostic address 74) or the Front Roll stabilisation control unit (J924 – Diagnostic address D4) and/or the Rear Roll stabilisation unit (J1096 – Diagnostic address D5) the software could be incompatible between the control units

Technical background

The Adaptive air suspension control unit (J775) functions as a universal control unit for the chassis control systems.

The Adaptive air suspension control unit (J775) controls several functions in the car in particular the master for the active roll control system, The control unit contains developed suspension and damping control software.

Should one of the modules be replaced for example (J775) on an early model vehicle the newer software contained within the re placement control unit may not be compatible with (J924) and/or (J1096)

Production change

Not applicable

Measure

The compatibility of the Adaptive air suspension control unit (J775) - Front Roll stabilisation control unit (J924) and the Rear Roll stabilisation control unit (J1096) should be checked and confirmed as follows:

Software vers ion check

Referring to Figure 1 - Open the most recent ODIS log and navigate to address 0074

- Check and confirm the software version number
- *NOTE: In this case the software version number is 1214*

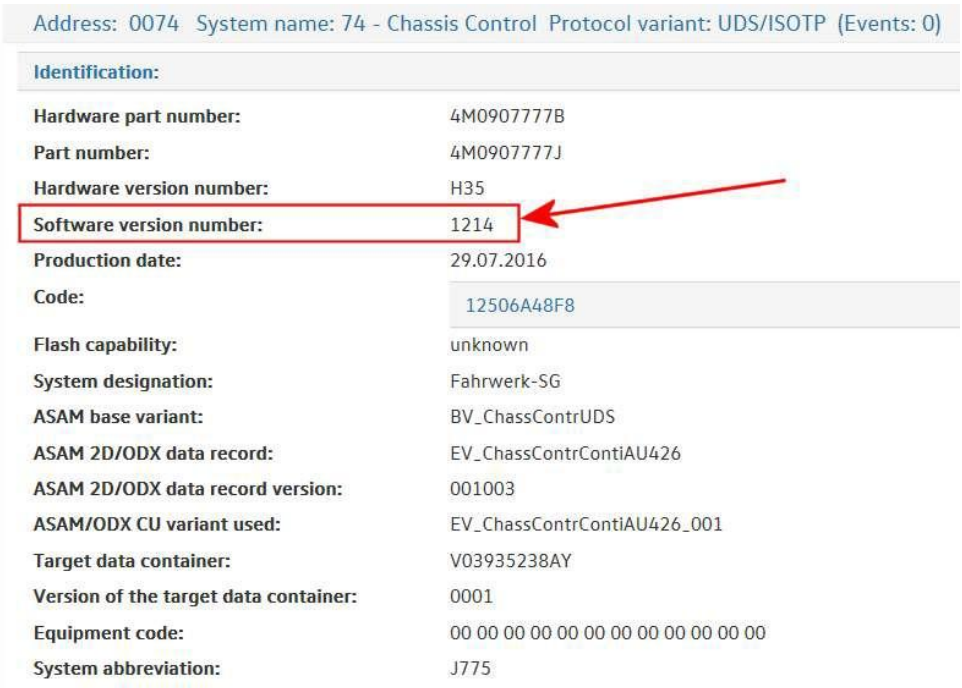

Figure 1

Referring to Figure 2 – Navigate to address 00D4

- Check and confirm the software version number
- *NOTE: In this case the software version number is 0211*

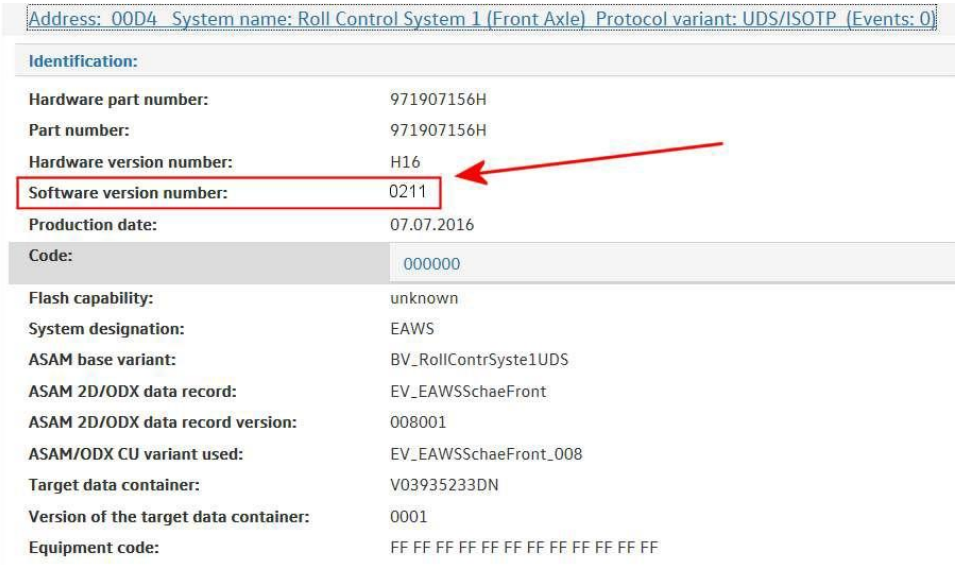

Figure 2

Referring to Figure 3 – Navigate to address 00D5

- Check and confirm the software version number
- *NOTE: In this case the software version number is 0211*

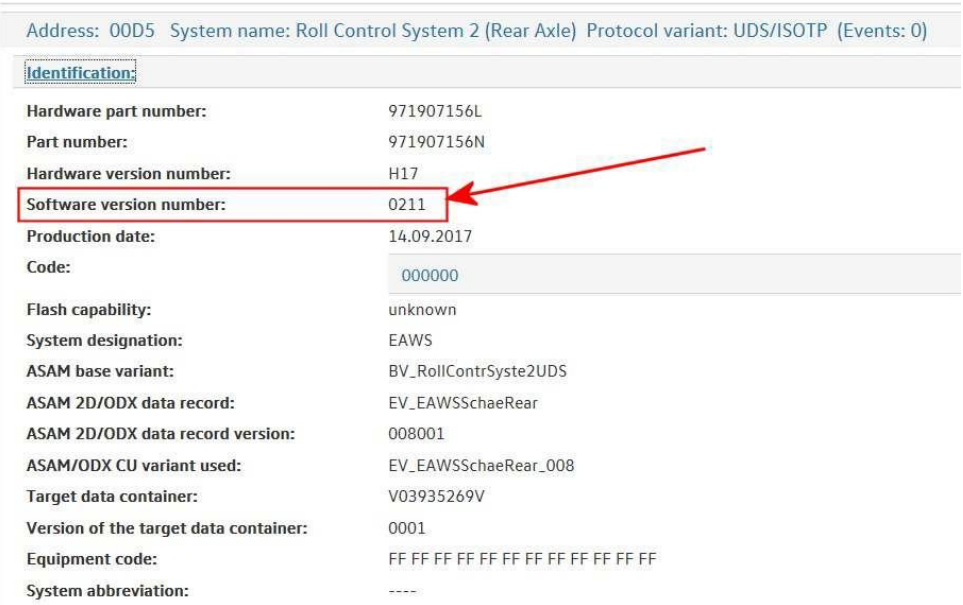

Figure 3

- The operative should check and confirm software compatibility by referring to the onward combinations
- NOTE: In the example shown the compatibility is incorrect as the software within (J775) is 1214 and the software within (J924) and (J1096) is 0211 – all onward combinations shown are correct

▪

Should the software version be different between (J924) and J1096) DTC C1296F1 – 'Sway Stabilization Control Module – Incompatible version' may also be logged in D4 and/or D5

Combination 1

Control units	*Compatible software versions*
Adaptive air suspension control unit (J775)	1213 or 1214
Front Roll stabilisation control unit (J924)	0209
Rear Roll stabilisation control unit (J1096)	0209

Combination 2

Control units	*Compatible software versions*

Adaptive air suspension control unit (J775)	1214 or 1244
Front Roll stabilisation control unit (J924)	0111
Rear Roll stabilisation control unit (J1096)	0111

Combination 3

Control units	*Compatible software versions*
Adaptive air suspension control unit (J775)	1244 or 1245
Front Roll stabilisation control unit (J924)	0211
Rear Roll stabilisation control unit (J1096)	0211

Combination 4

Control units	*Compatible software versions*
Adaptive air suspension control unit (J775)	1245 or 1246
Front Roll stabilisation control unit (J924)	0113
Rear Roll stabilisation control unit (J1096)	0113

1) Should an incompatibility issue be found in one or a combination of control units, please raise a DISS query ensuring a current diagnostic log is attached and all information is included regarding which control units are affected