

Technical product information

Topic	New Continental GT, GTC and Flying Spur - Suspension Warning Lamp
Market area	Bentley: worldwide (2WBE)
Brand	Bentley
Transaction No.	2059172/4
Level	EH
Status	Approval
Release date	

New customer code

Object of complaint	Complaint type	Position
information, navigation, communication, entertainment -> symbolic fault indicators -> shock absorber control system fault indicator	functionality -> activates	
information, navigation, communication, entertainment -> symbolic warning indicators	functionality	
running gear -> shock absorber/suspension control -> automatic shock absorber adjustment	functionality -> defective function sequence	

New workshop code

Object of complaint	Complaint type	Position
running gear -> adaptive suspension, pitch and roll compensation -> self-levelling suspension valve unit	control units, services -> with event log entry	

Vehicle data

Continental GT

Sales types

Type	MY	Brand	Designation	Engine code	Gearbox code	Final drive code
3S3*	2018	E		*	*	*
3S3*	2019	E		*	*	*
3S3*	2020	E		*	*	*

New Flying Spur

Sales types

Type	MY	Brand	Designation	Engine code	Gearbox code	Final drive code
ZG2*	2020	E		*	*	*

New Continental GTC

Sales types

Type	MY	Brand	Designation	Engine code	Gearbox code	Final drive code
3S4*	2019	E		*	*	*
3S4*	2020	E		*	*	*

Documents

Document name
master.xml

Customer statement / workshop findings

Suspension warning lamp illuminated on Driver Instrument Panel (DIP).

"Bentley dynamic ride system: *fault - Adapt driving style - See handbook*" displayed on DIP.

Red or yellow Suspension warning lamp illuminated on DIP.

Diagnostic Trouble Code (DTC) *U005600: Vehicle communication BUS D performance, Symptoms 12689537, 12689541 or 12689542* stored within address's *0074 - Chassis Control, 00D4 – Roll Control System 1 or 00D5 – Roll Control System 2*.

Various Suspension related DTC's stored within address's *0074 - Chassis Control, 00D4 – Roll Control System 1 and 00D5 – Roll Control System 2*.



Technical background

A communication error on Controller Area Network (CAN) Bus D - private CAN network, may result in multiple DTC's being stored within *0074 - Chassis Control, 00D4 – Roll Control System 1, 00D5 – Roll Control System 2*.

Production change

Software update introduced from VIN SCBCB2ZG3LC082234.

Measure

Continue to follow this document only with the confirmed presence of Diagnostic Trouble Code (DTC) *U005600: Vehicle communication BUS D performance, Symptoms 12689537, 12689541 or 12689542* stored within address's *0074 - Chassis Control, 00D4 – Roll Control System 1 or 00D5 – Roll Control System 2*

Where applicable the operative **MUST** refer to 48V system - Safety precautions Rep.Gr 27

- Check all electrical connectors are secure on the Chassis Control Module, Roll Control System 1 and Roll Control System 2.
- Check for damage to all associated harness's and the general cleanliness of Connectors and Chassis Control Modules.
- Check the current software version for address *0074 - Chassis Control*, for vehicles not currently showing software 1140 refer the DISS query for second level advice – it will be necessary to replace the ECU. If advised to change the ECU refer to *Repair Group 43 Self-levelling air spring system – Air suspension – Air suspension control module (J197) – To remove and refit*.
- For vehicles that are currently showing software 1140 proceed to update the Control Unit as follows:-

Note: The closed- circuit voltage of the vehicle must be at least 12.5 V during the update. Connect the vehicle battery to an external power supply. For further information see the maintenance or repair manual.

- During the update switch off all unnecessary consumers (ventilation, seat heater, interior illumination etc)
- Because of the highest transmission stability you **MUST** use the diagnosis interface VAS 6154 (WiFi diagnostic tool) **ONLY** in 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
- Do Not under any circumstances use a Bluetooth connection to conduct the reprogramming (updating) of control units

Select and run *Guided Fault Finding*. Within the “Special functions” tab select “SVM – Code Input”, then select “Perform test” - Figure 1.

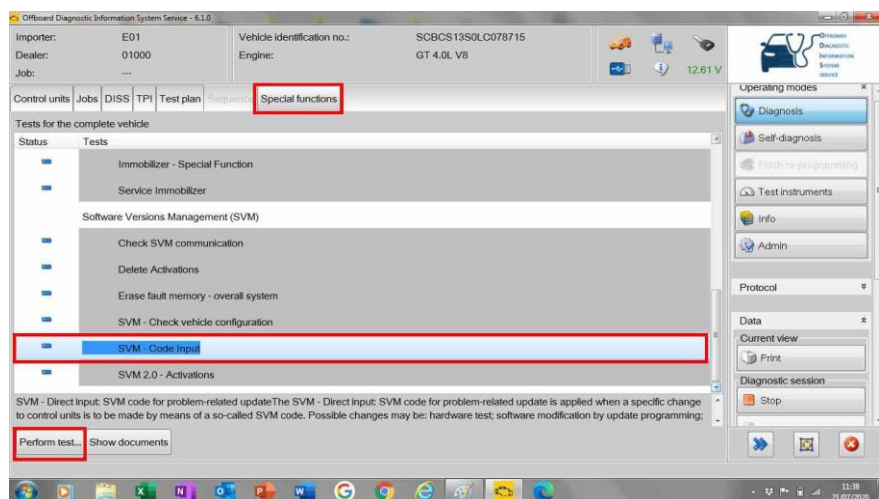


Figure 1.

On the next screen enter the correct SVM code for your vehicle (see table below) and select “Adopt” - Figure 2.

Vehicle	SVM Code
Flying spur	37174SW01
Continental GT and GTC	37074SW01

On the following screen confirm the SVM code is correct.

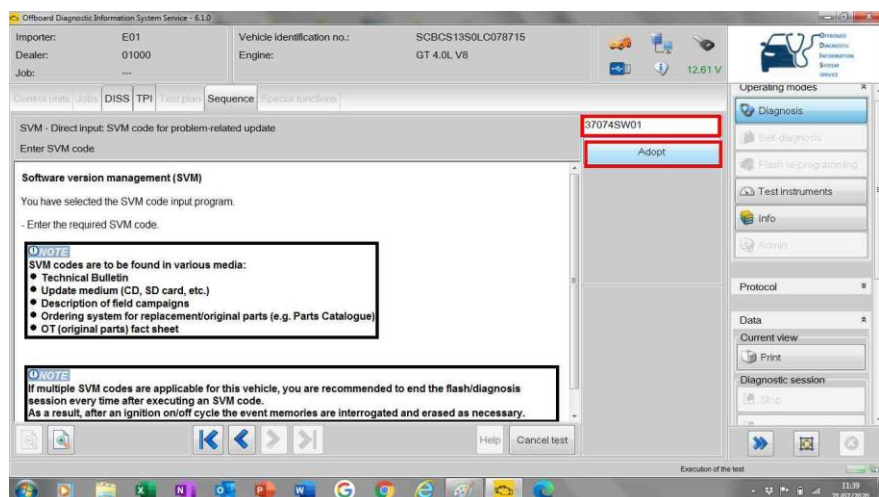


Figure 2.

All control modules will be interrogated.

The software of address “0074 - Chassis control” will then be updated - Figure 3.

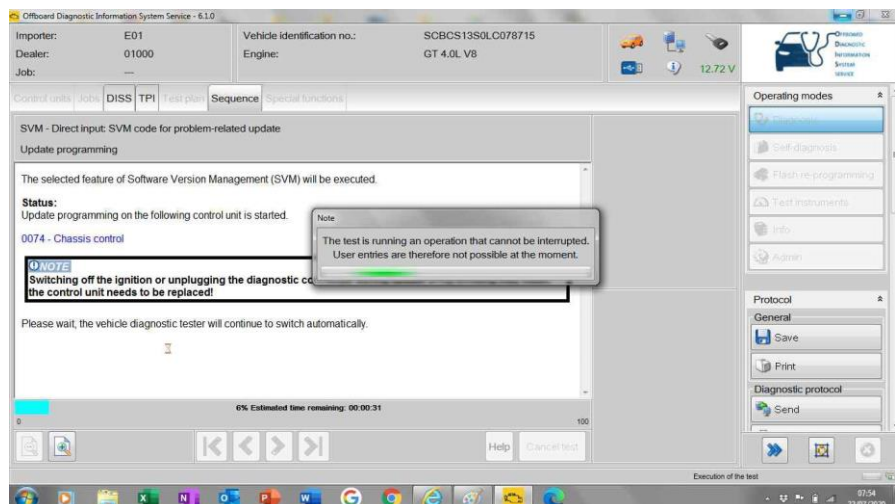


Figure 3.

Once the software has been updated the parameter and calibration settings will be applied - Figure 4.

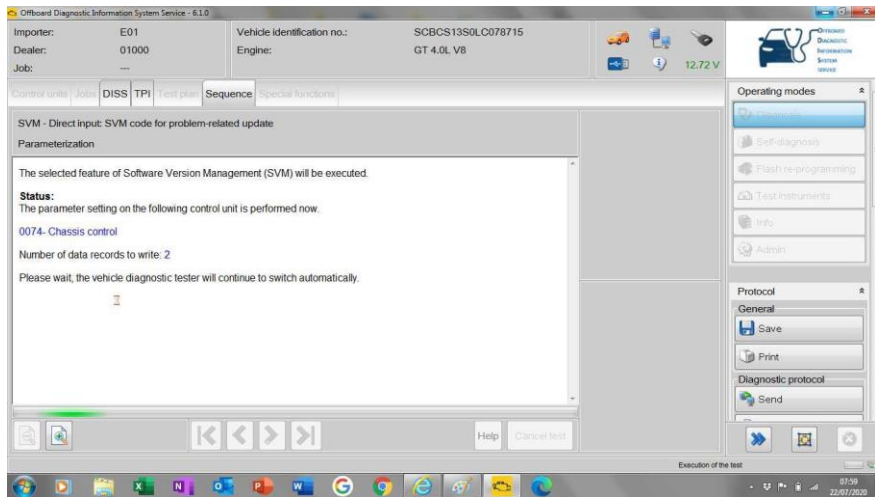


Figure 4.

When complete and at the confirmation screen select "Done/Continue" – Figure 5.

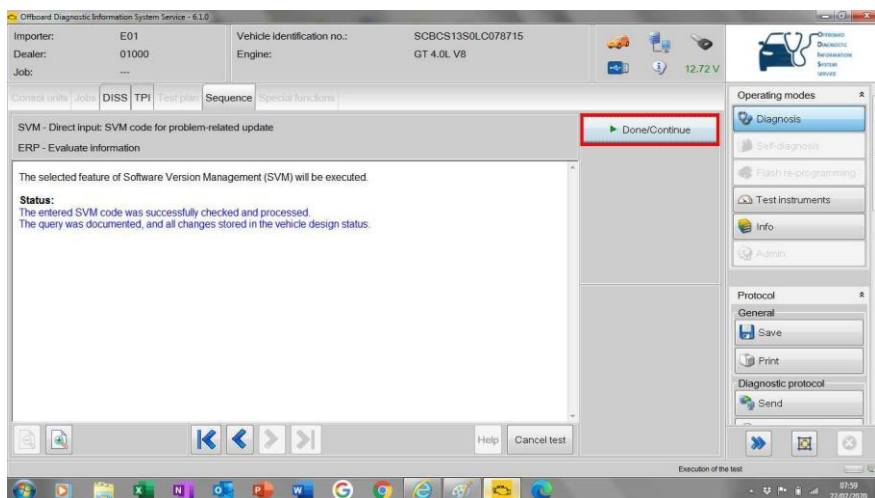


Figure 5.

The summary screen will then be displayed, select "Done/Continue" – Figure 6.

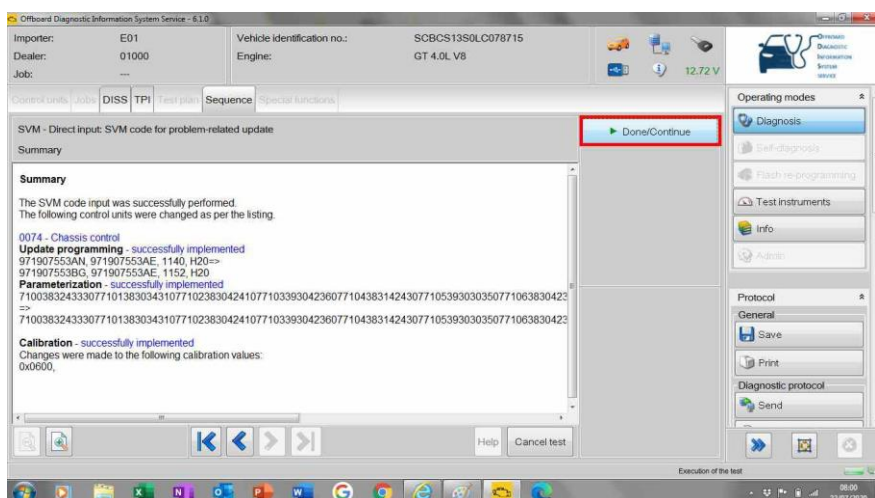


Figure 6.

Follow the on screen prompts until "Program end".

After the update programming is complete, transmission gear selection may not be possible, carry out the following steps in the order stated below;

- Switch off vehicle ignition.
- Remove the diagnostic interface from the On-Board Diagnostic (OBD) port.
- Switch off and remove the battery charger from the vehicle.
- Close the bonnet and all doors, lock the vehicle.

- Wait 5 minutes, the vehicle will enter CAN silence.
- When 5 minutes has elapsed, unlock the vehicle and open the driver's door.
- Switch on the vehicle ignition.
- Confirm transmission gear selection is possible.
- Check / Reset vehicle suspension ride height.

Warranty accounting instructions

Warranty Type	110 or 910
Damage Service Number	97 09
Damage Code	00 40
Labour Operation Code	97 09 41 53 – 3 off cable checks
Time	50 TU
Labour Operation Code	43 16 19 01 - Chassis Control Module - Remove and reinstall
Time	50 TU
Labour Operation Code	01 51 00 00 - Software update
Time	Time taken from diagnostic log (40 TU Max).
Labour Operation Code	01 50 00 00 Guided functions - Suspension ride height Check / Re-set.
Time	Time taken from diagnostic log.

Parts information

Refer to the electronic parts catalogue (ETKA) for the latest part information.