Technical product information

Topic	New Continental GT and GTC - Window drop glass
Market area	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.	2070497/2
Level	EH
Status	Approval
Release date	

Event memory entries

Diagnostic address	Event memory entry	Fault type	Fault status
0052 - Passenger's door electronics	B148754: Window regulator motor no basic setting		Intermittent
00BB - Rear drivers side door electronics	B148754: Window regulator motor no basic setting		Intermittent
00BC - Rear passenger side door electronics	B148754: Window regulator motor no basic setting		Intermittent
0042 - Driver's door electronics	B148754: Window regulator motor no basic setting		Intermittent

New customer code

Object of complaint	Complaint type	Position
body fixtures and fittings -> window opening/closing, window heating -> window return at door-closing	functionality -> without function / defect	rear right
body fixtures and fittings -> window opening/closing, window heating -> window drop at door-opening	functionality -> defective function sequence	front left
body fixtures and fittings -> window opening/closing, window heating -> window drop at door-opening	functionality -> defective function sequence	rear left
body fixtures and fittings -> window opening/closing, window heating -> window drop at door-opening	functionality -> defective function sequence	front right
body fixtures and fittings -> window opening/closing, window heating -> window return at door-closing	functionality -> without function / defect	front left
body fixtures and fittings -> window opening/closing, window heating -> window return at door-closing	functionality -> without function / defect	rear left
body fixtures and fittings -> window opening/closing, window heating -> window return at door-closing	functionality -> without function / defect	front right
body fixtures and fittings -> window opening/closing, window heating -> window drop at door-opening	functionality -> defective function sequence	rear right

Vehicle data

New Continental GT and GTC

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		*	*	*
3S4*	2019	E		*	*	*
3S4*	2020	E		*	*	*
3S4*	2021	E		*	*	*
3S4*	2022	E		*	*	*
3S4*	2023	E		*	*	*

Documents

Document name
master.xml
newglasssetgt.pdf
newglasssetgtc.pdf
retailerglassresetproceduregtandgtc.pdf

Customer statement / workshop findings

- Incorrect operation/function of the front and/or rear window drop glass
- Front and/or rear drop glass fails to open/close or attempts to close and reopens once contact has been made between the glass and applicable seal
- DTC for window regulator motor no basic setting B148754 evident within any of the 4 window control modules (diagnostic address 42, 52, BB and BC) for loss of basic settings

Technical background

IMPORTANT NOTE: Aftermarket window tinting can affect the windows opening/closing to specification, in this scenario please advise the customer that the onward repair instructions may not repair the issue and therefore cannot be applied until the Aftermarket tinting has been removed

TPI revision history

CAUTION

The operative must always ensure the latest version of this TPI is obtained from Elsa pro using the applicable VIN as TPI version numbers can change without notice

TPI 2070497/2

- The attached PDF document has been revised relating to the adjuster screw process (page 6) and the bump stop checks (page 9)
- The TPI has also been changed to include an improved navigational path to the videos (x3) in step 11 of the attached PDF document

Production change

The Bentley continuous improvement policy has been implemented within the manufacturing process, the required improvements have been utilised within this TPI

Measure

1) Referring to Rep.Gr 27 - Carry out a 12 Volt battery test "WARRANTY TEST" or "ORIG. VW-BATT. TEST"

NOTICE

VERY IMPORTANT: Save an image of the battery printout as this will be required to be attached to a new or existing DISS query, should any issues be evident with the 12 volt battery/system this should be rectified before proceeding any further

– In the event there was an issue with the 12 volt battery and the drop door glass issue is now resolved no further action is required

However

In the event the drop glass issue is still evident after the confirming the 12 volt battery is serviceable the operative should conduct the onward instructions to completion

Before proceeding with the onward instructions the following window closing time results are required to be attached to a new or existing DISS query

VERY IMPORTANT: Do not proceed with the time measurement request instructions unless the battery is confirmed to be within specification (battery test) and the 12 volt battery is on charge (Rep.Gr 27)

Passenger side front and rear

Hint: The window closing time should be 4 seconds

- Measure the time (in seconds) it takes to close the front and rear windows from fully open to the fully closed position
- Record the time

Passenger side front = seconds

Passenger side rear = seconds

Comments

Driver side front and rear

Hint: The window closing time should be 4 seconds

- Measure the time (in seconds) it takes to close the front and rear windows from fully open to the fully closed position

Driver side front = seconds

Driver side rear = seconds

Comments

Section 1 - Door control module identification/update instructions

NOTICE

The control units should all be at 'D' suffix or all at 'J' suffix, replacement of 'D' level control units to 'J' level does not fix the problem, replacement of control units is not permitted without permission via DISS, in the event the control units were replaced without permission all applicable Warranty claims will be cancelled

- In the event that a control module is suspected as being faulty the operative must request permission via DISS before replacing any parts
- Do not under any circumstances combine 'D' suffix control modules with 'J' suffix parts all four control modules must all have the same suffix

2) Check and if necessary update the door control modules

CAUTION

Should the control modules NOT be at the latest levels as per the below reference tables please follow the onward software update instructions from step 3

Or

In the event the software levels are to specification no further action is required regarding software updates, please continue with the remaining instructions

D suffix control modules

Door control module	Part number	Software version	Target data container
0042 – Drivers door	4M1.959.953.D	0189	V03.935.344.TP
0052 – Passenger door	4M1.959.952.D	0189	V03.935.344.TQ
00BB – Rear driver's door	4M1.959.955.D	0189	V03.935.344.TR
00BC – Rear passenger door	4M1.959.955.D	0189	V03.935.344.TS

J suffix control modules

Door control module	Part number	Software version	Target data container
0042 – Drivers door	4M1.959.953.J	0430	V03.935.349.CM
0052 – Passenger door	4M1.959.952.J	0430	V03.935.349.CN
00BB – Rear driver's door	4M1.959.955.J	0430	V03.935.349.CP

00BC – Rear passenger door	4M1.959.955.J	0430	V03.935.349.CQ

Software update

***The closed-circuit voltage of the vehicle must be at least 12.5 V during the update. Connect a suitable battery charger to the vehicle. For further information refer to the Repair manual**

- **During the update switch off all unnecessary consumers (ventilation, seat heater, interior illumination etc) ensure the main light switch is set to 'off' and leave the driver's door open**

- **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 any control units**

3) Referring to Figure 1 - Within the Special functions tab - Select SVM - Code Input (Point A)

• Select Perform test (Point B)

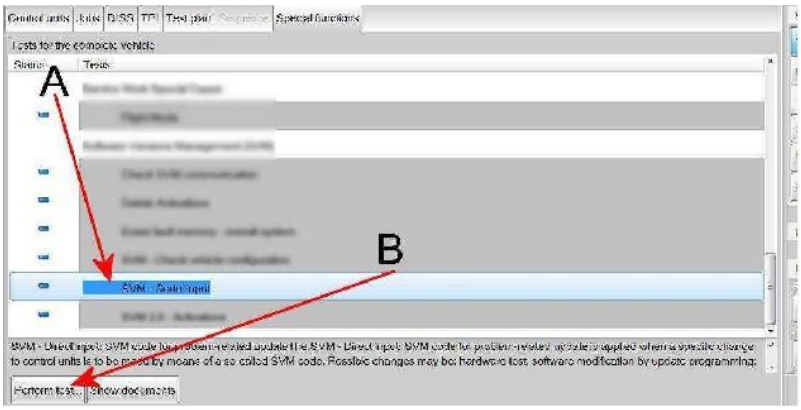

Figure 1

4) Referring to Figure 2 - Enter the SVM code 370FTM01

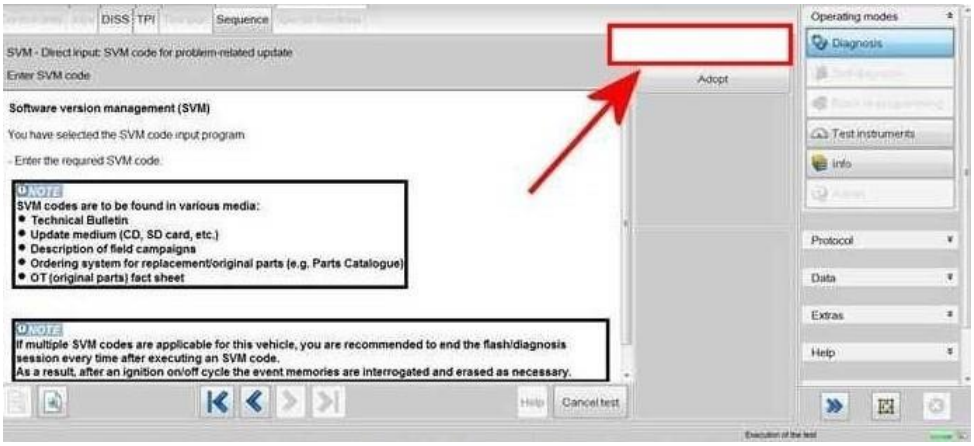

Figure 2

- When prompted enter your global user ID and password

- Follow all on screen prompts to continue through the procedure, the identification data will be transferred

5) The Required control units will be automatically updated one by one, starting with *0042 – Door electronics Drivers side*

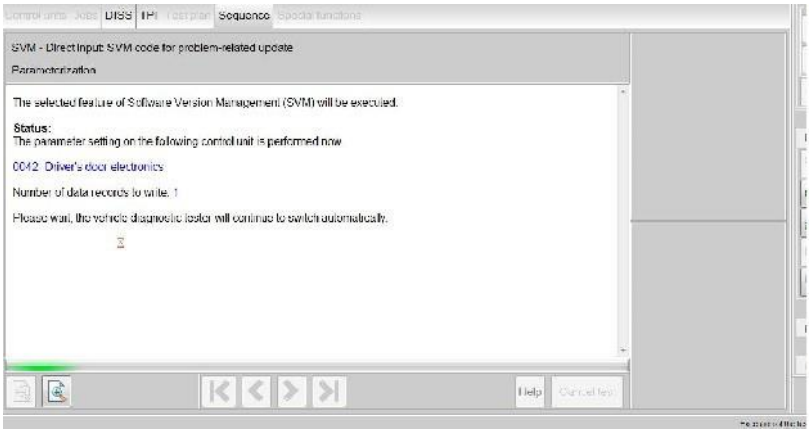

Figure 3

6) Once the update is complete the summary screen will be shown in Figure 4, this confirms completion of the required updates

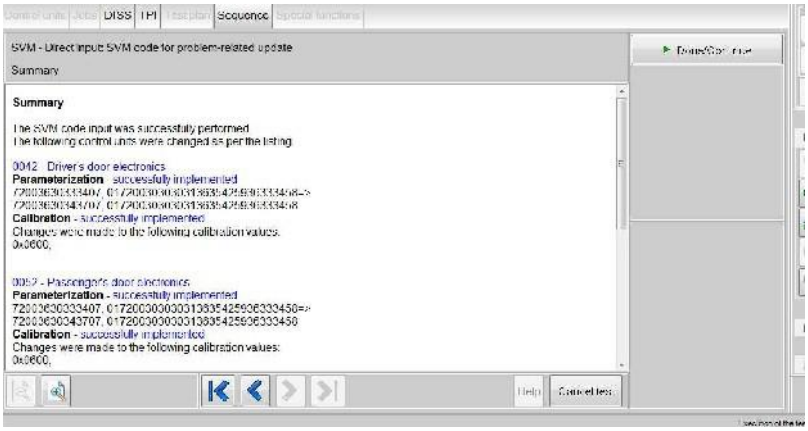

Figure 4

7) Recheck the Door control module versions against the reference table

Section 2 - Rectification/check instructions

8) Check for cleanliness and security of both earth points

- Earth point 736 RHR and Earth point 738 LHR
- Check for cleanliness and security of both earth points Figure 5 shows an example of a contaminated earth point (dirt/paint/debris)

Figure 5

- Remove any dirt/paint/debris from the earth points using suitable abrasives/wire brush ensuring no damage is caused to the earth stud threads as shown in Figure 6

Figure 6

- Secure the earth point fixings (9Nm)

9) Conduct a thorough check of all Window/door seals for the following:

- Damage
- Splits
- Tears
- Misalignment
- Incorrectly fitted/located
- Drop glass seal deformation (see Figures 7 and 8 as examples)

Figure 7

Figure 8

NOTE: Any issues found with the window seals must be rectified before conducting the remaining steps

CAUTION

Step 10 MUST ONLY BE CONDUCTED IN THE EVENT THAT THE FOLLOWING DTC IS EVIDENT

B148729: Window regulator motor Range/Performance

10) In the event the afore mentioned DTC is evident please conduct the wiring repair in step 10

- Source locally from your local VW or Audi retailer (x2) 000 979 225E repair wires and (x2) 000 979 242 E
- Conduct a permanent overlay of the wiring between the rear door ECU's and motor connectors as follows

LEFT HAND SIDE

- Disconnect the original terminals from T6aq Pins 3 and 6 to T2jp Pins 1 and 2 respectively
- Once disconnected the terminals should be insulated with harness tape and suitably secured
- Referring to Figure 9 - Using 000 979 225E repair wires and (x2) 000 979 242E fit the new wires into T6aq Pins 3 and 6 to T2jp Pins 1 and 2 respectively
- Ensure the newly fitted wires are suitably insulated and secured away from the harness as shown in Figure 9

Figure 9

RIGHT HAND SIDE

- Disconnect the original terminals from T6ar Pins 6 and 3 to T2js Pins 1 and 2 respectively
- Once disconnected the terminals should be insulated with harness tape and suitably secured
- Referring to Figure 10 - Using 000 979 225 E repair wires and (x2) 000 979 fit the new wires into T6ar Pins 6 and 3 to T2js Pins 1 and 2 respectively
- Ensure the newly fitted wires are suitably insulated and secured away from the harness as shown in Figure 10

Figure 10

11) VERY IMPORTANT: Referring to the attached PDF instruction the operative must conduct all steps to completion before continuing to step 12

NOTICE
Please ensure all steps are followed within the attached glass check/measurement PDF documents, the operative should be aware there is (x1) document for New Continental GT and (x1) document for New Continental GTC please ensure the correct document is used depending on vehicle type

Ensure all required measurements are attached to a new or existing DISS query

NOTICE
If not already done so, review eAcademy Digital Learning HUB videos on Glass Setting Procedures for GT/GTC before proceeding to ensure accurate and repeatable measurements are being made

Log into eAcademy - Select/open Digital Learning HUB - All content - Technical information - Continental GT & GT Convertible (2017+) Technical Information

- The operative must review the (x3) videos which are available on the Digital Learning HUB (see example shown in Figure 11 of all videos which must be reviewed)

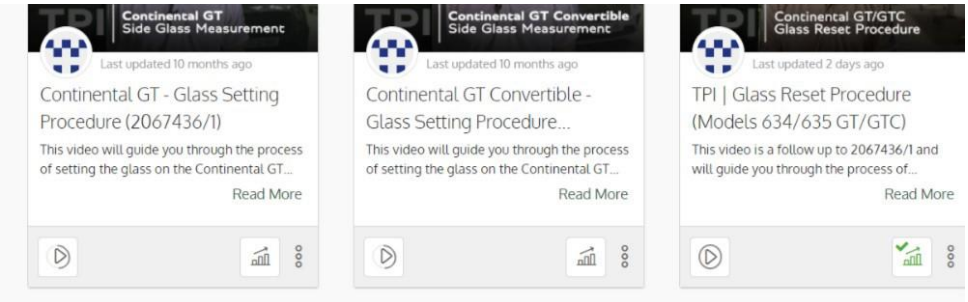

Figure 11

Hint: All of the afore steps must have been conducted before proceeding including the attached PDF instructions and the eAcademy Digital learning HUB videos

CAUTION

12) VERY IMPORTANT - Referring to Rep.Gr 64 - Side glass - To initialise

– Using ODIS erase all applicable DTC's - Recheck to confirm that no DTC's are evident in particular DTC B148729 and DTC B148754

NOTICE

Tip: In the event that DTC B148754: Window regulator motor no basic setting: Battery checks, wiring checks the operative must check all previous steps have been conducted before proceeding

IMPORTANT: In the event the issue is now resolved, the operative should open a new DISS query or respond via the previously opened DISS query ensuring all previously requested information is attached including confirmation that the issue is resolved

Or

Should the issue still be evident the operative should open a new DISS query or respond on the previously opened DISS query ensuring the remaining issue is clearly included (Videos/photographs) and all of the above check have been performed and documented on the DISS query

Please note, Warranty claims will not be approved unless the required information within the Technical background section is provided

NOTE for Level 1 Product Support: Should all of the above steps be confirmed as satisfactory and the customer complaint is still present, please second level the DISS to the Electrical Senior Engineer

Warranty accounting instructions

Warranty type 110 or 910

Damage service number 64 38

Damage code 0012

Time to update door control modules

Labour

Labour operation code 01 51 00 00

Time As per ODIS log (Must not exceed 50 TU)

Time to conduct initial checks

Labour operation code 64 38 02 00

Time 30 TU

Time to conduct the wiring integrity checks including the checking of earth points 736 and 738

Labour operation code 97 09 01 00

Time Must not exceed 60 TU

Time to conduct the front glass set procedure

Labour operation code 64 40 15 00

Time	70 TU (per side)

Time to conduct the rear glass set procedure

Labour operation code	64 75 15 00
Time	130 TU (per side)

Time to repair (x2) cables when DTC is evident

Labour operation code 97 09 41 53

Time 40 TU's

Parts information

Reference ETKA where required