

Technical product information

Topic	Flying Spur - sunroof wind noise
Market area	Worldwide Bentley (1WBE)
Brand	Bentley
Transaction No.	2036927/1
Level	EH
Status	Approval
Release date	

New customer code

Object of complaint	Complaint type	Position
Roof systems, special bodies -> Panoramic sunroof -> Panoramic sunroof glass element	Noise, vibration -> noise	

New workshop code

Object of complaint	Complaint type	Position
Roof systems, special bodies -> Panoramic sunroof -> Panoramic sunroof glass element	Noise, vibration -> roar	front
Roof systems, special bodies -> Panoramic sunroof -> Panoramic sunroof glass element	Noise, vibration -> roar	rear

Vehicle data

Flying Spur

Sales types

Type	MY	Brand	Designation	Engine code	Gearbox code	Final drive code
4W21*	2014	E		*	*	*
4W21*	2015	E		*	*	*

Chassis numbers

Manufacturer	Filler	Type	Filler	MY	Factory	From	To	Prod from	Prod to
SCB	***	**	*	*	*	084021	999999	01-Jan-2013	31-Jan-2014

Documents

Document name
master.xml
master.doc

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Customer statement / workshop findings

Wind noise from sunroof when in the closed position

Technical background

Position of glass element in sunroof not optimised for wind noise reduction

Production change

Installation tolerance adjusted to favour reduced wind noise

Measure

In the event of a qualified customer concern relating to wind noise from the closed sunroof then consider including the following glass setting procedure into your investigation

The glass/solar panel is secured to the operating mechanism by two sets of three retaining screws located on each side of the sliding mechanism (see Figure 3), these screws can be accessed without disturbing the interior trim. Access to the retaining screws is dependent on the type of panel fitted but the general removal, installation and setting procedures are the same for all panels

Applicable to cars fitted with a glass sunroof panel

1. Move the sunblind to the rearmost position. Refer to "Sunroof Functionality" Rep.Gr.60

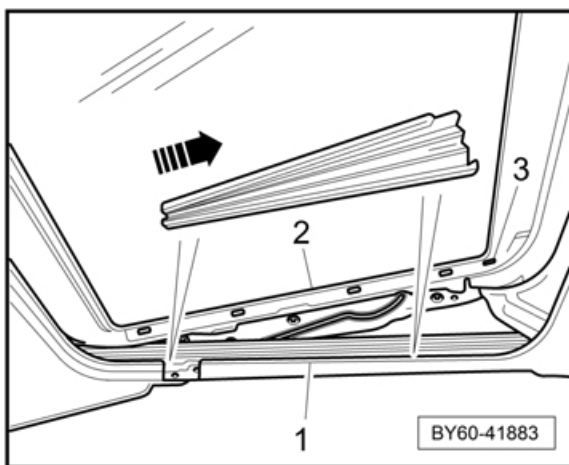


Figure 1

IMPORTANT – To prevent damage the following steps must be completed in the correct order.

2. Unclip the bellows from the lower rail -1-, starting at the rear and working forwards (see Figure 1)
3. Unclip the bellows from the upper rail -2-, starting at the front and working rearwards (see Figure 1)
4. Finally, Push the bellows rearwards to disengage the peg from the slotted hole -3- in the glass panel (see Figure 1)

Applicable to cars fitted with a solar sunroof panel

1. Partially open the sunroof by turning the rotary switch clockwise to the first slide open mark. Refer to "Sunroof Functionality" Rep.Gr.60

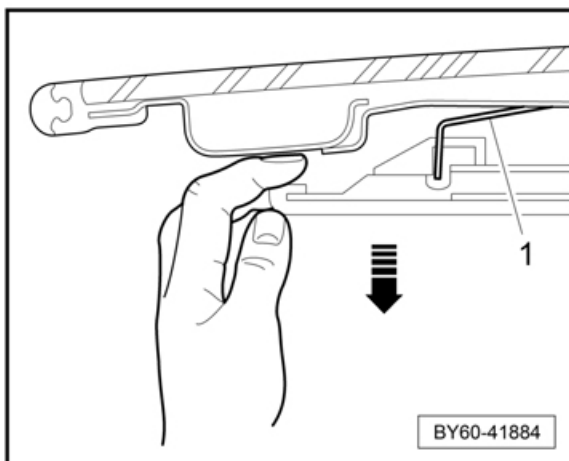


Figure 2

2. Pull down the front edge of the sunblind to release the spring clip -1- in the centre then slide the sunblind fully rearwards.

To set the position of the glass/solar panel

1. As a prerequisite to setting the glass the glass/solar panel seal should be lubricated. Fully open the sunroof and clean the aperture in the car body

2. Ensure the seal is clean and dry then apply Krytox GPL 205 (lubricant), part number 000.096.331, sparingly to the exposed seal at the front and sides of the glass/solar panel
3. Close the sunroof and set to the full tilt position
4. Lubricate the remaining areas of the seal (rear and sides). Making sure that the entire length of the seal is lubricated



Figure 3

5. To enable the glass/solar panel to be adjusted in the roof aperture slacken the six screws, three on either side, securing the glass element of the sunroof (see Figure 3)

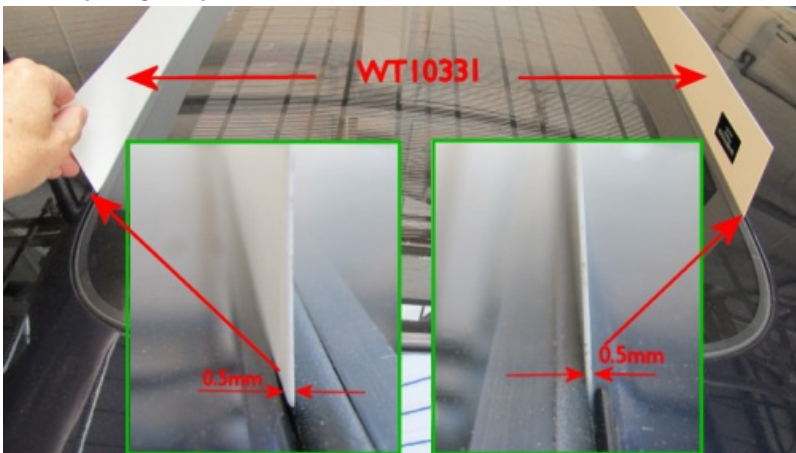


Figure 4

6. Use setting gauges WT 10331 to set a 0.5mm gap between both the rear edge of the glass/solar panel and the body aperture and the front edge of the glass/solar pane and body aperture (see Figure 4)



Figure 5

7. Set the front edge of the panel level (0mm) or up to 1mm BELOW the surface of the car body concentrate on achieving this measurement towards the outer edges of the panel (see Figure 5)

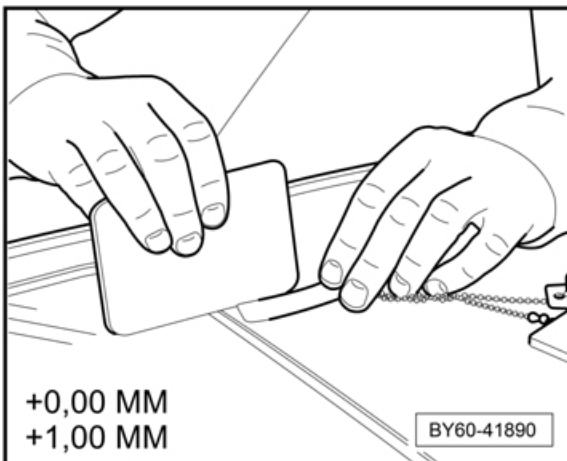


Figure 6

8. Set the rear edge of the panel level (0mm) or up to 1mm ABOVE the surface of the car body concentrate on achieving this measurement towards the outer edges of the panel (see Figure 6)
9. Once the glass panel is correctly set then tighten the retaining screws and carry out the sunroof initialisation procedure, this drives the roof through its complete axis of travel. Once initialised recheck the gaps, and adjust as required. Always run through the initialisation procedure after adjustment. Refer to workshop manual Rep. Gr. 60 Sunroof - To initialise

Parts information

Part number	Description
000.096.331	Krytox GPL 205 (lubricant) one per car
WT 10331	SUNROOF SETTING GAUGE. One pair supplied to dealer as workshop tool