



60-17-04 - Water Leak from Panoramic Roof (U.S. Only)

Release date: 3/8/2021

Condition

Applicable Vehicles					
Model(s)	Year	Eng. Code	Trans. Code	VIN Range From	VIN Range To
Golf Sportwagen, Golf Alltrack	2015-2019	All	All	AU_FM500001	AU_KM515272

Revision Table			
Instance Number	Published Date	Version Number	Reason For Update
2045816/3	3/8/21	60-17-04	Include additional model year applicability.
2045816/2	9/6/17	V601704	Include additional model and model year applicability.
2045816/1	11/22/16	V601609	Original publication.

Verify the customer complaint. Water leaks may occur around the perimeter of the sunroof frame, between the frame and body of vehicle (See Figure 1). Water may also be found leaking through the sunroof cable guides in the sunroof frame (See Figure 2).



Figure 1: water leaking between sunroof frame and body



Figure 2: water leaking through sunroof cable guides



Note:

To determine if this procedure is covered under Warranty, always refer to the *Warranty Policies and Procedures Manual*. Documentation required per *Warranty Policies and Procedures Manual*.

For vehicles outside of the New Vehicle Limited Warranty this Technical Bulletin is for information only.

Technical Background

Incorrect rework in production of the welding points of the sunroof frame area. Spot welds around the perimeter of the sunroof opening may be too large. This prevents the outer sunroof seal from properly adhering to the body of the vehicle, allowing water to leak through the seal.

Insufficient cleaning process prior to applying outer sunroof seal. The sunroof frame opening may have been improperly cleaned prior to application of the acrylic tape on the outer sunroof seal. This prevents the outer sunroof seal from properly adhering to the body of the vehicle, allowing water to leak through the seal.

Production Solution

Improved rework process in production as of VIN AU_KM515272.



Service



Note:

Also refer to TSB 2045672 Water Leaks from the Rear of the Panoramic Sunroof.

Procedure:

- Remove the headliner. See repair manual group 70 in ELSA.
- Verify that water is leaking around the outside edge of the sunroof frame, or through the sunroof cable guides (See Figures 1 and 2).



Tip:

If water is not leaking around the outer edge of the sunroof frame, or through the sunroof cable guides this bulletin does not apply. Further diagnosis is required.

- Remove the sunroof frame. See repair manual group 60 in ELSA.
- Remove the outer sunroof seal and inspect the spot welds around the inside edge of the body flange.
- If large spot welds are found (See Figure 3), grind the weld(s) down smooth and repaint the area(s).



Figure 3, large spot weld



Tip:

If spot welds are already smooth, proceed to the next step.



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- Thoroughly clean the body flange using cleaning solution D 00940104 and a microfiber cloth.
- Install a new outer sunroof seal according to the repair instructions in ELSA. See repair manual group 60 in ELSA.
- Reinstall the sunroof frame. See repair manual group 60 in ELSA.
- Water test the vehicle to verify there are no further water leaks.
- Reinstall the headliner. See repair manual group 70 in ELSA.

Warranty



Note:

Documentation required: Completed estimate and body shop invoice must be saved and kept on file at the dealership for audit purposes.

Labor time units (TU), Material units (MU) and Material unit rate are correct at time of publication. The time units and or material units may differ if the repair catalogue is updated. The material allowance (Paint material price per unit) is subject to change.

To determine if this procedure is covered under Warranty, always refer to the Warranty Policies and Procedures Manual ¹⁾					
Model(s)	Year(s)	Eng. Code(s)	Trans. Code(s)	VIN Range From	VIN Range To
Golf Sportwagen, Golf Alltrack	2015-2019	All	All	AU_FM500001	AU_KM515272
SAGA Coding					
Claim Type:	Use applicable Claim Type ¹⁾				
Service Number:	Damage Code	HST		Damage Location (Depends on Service No.)	
5103	0050	--		Use applicable when indicated in Elsa (L/R)	
Parts Manufacturer	Golf Sportwagen, Golf Alltrack			3ME ²⁾	
Please use the following part number in "Outside Materials" ⁴⁾					



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LACKMATF: Paint and Materials	<ul style="list-style-type: none"> MU @ \$12 per unit 	
Epoxy Primer (Locally Sourced)	<ul style="list-style-type: none"> Claim Dollar Amount (Max: \$40) 	
Please use the following part number in "Outside Labor"		
<ul style="list-style-type: none"> L0010000: External Painting-straight color L0020000: External Painting-metallic/2-layer L0030000: External Painting-pearl color 	<ul style="list-style-type: none"> Claim Dollar Amount 	
Use this for all body repair in this bulletin: A0041000: Body Shop repair no paint	Claim Dollar Amount	
Causal Part: Select Labor Operation	A0041000	
Diagnostic Time ⁴⁾		
GFF Time expenditure	01500000 = 00 TU max.	NO
Road Test	01210002 = 00 TU 01210004 = 00 TU	NO
Technical Diagnosis	01320000 = 20 TU max.	YES
Claim Comment: Input "As per Technical Bulletin 2045816" in comment section of Warranty Claim.		
<p>¹⁾ Vehicle may be outside any Warranty in which case this Technical Bulletin is informational only.</p> <p>²⁾ Code per warranty vendor code policy.</p> <p>³⁾ Labor Time Units (TUs) are subject to change with ELSA updates.</p> <p>⁴⁾ Documentation required per Warranty Policies and Procedures Manual. See attachment "srt_reference_table.pdf" for labor time reference.</p>		



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Required Parts and Tools

Part No:	Part Description	Quantity
5G9 877 459 A	Sunroof Seal	1
D 00940104	Cleaning Solution	0.5

For Special Tools see Repair Manual.

Additional Information

All part and service references provided in this Technical Bulletin are subject to change and/or removal. Always check with your Parts Dept. and Repair Manuals for the latest information.

<u>Body Labor</u>		
Labor Operation : Roof parts remove and install for painting	51036503 = 410 TU	Multiply claim time units x warranty labor rate. Enter in SAGA under Outside Labor Operation: A0041000
Labor Operation : Rework roof panel	51034999 = 50 TU	
Labor Operation : Water test	51030399 = 20 TU	
<u>Refinish Labor</u>		
Labor Operation: Prepare painting	51017133 190 TU	Multiply claim time units x warranty labor rate. Enter in SAGA under Outside Labor Operation: L00#0000* *Please see warranty table for proper labor operation
Labor Operation: Paint roof	51037913 180 TU	
<u>Outside Materials</u>		
Labor Operation: Paint roof	14 MU	Multiply claim material units x \$12.00. Enter in SAGA under Outside Materials: LACKMATF
Epoxy Primer	Up to \$ 40.00 based on cost	Actual Cost. Enter in SAGA under Outside Materials: EPOXY PRIMER