	Technical Service Bulletin	Transaction No:	2045672/6
60-18-03 - Water Leak From Rear Of Panoramic Sunroof		Release date:	2/27/2020

Condition

Applicable Vehicles					
Model(s)	Year	Eng. Code	Trans. Code	VIN Range From	VIN Range To
Golf Sportwagen, Alltrack	2015-2019	All	All	AU_FM500001	AU_KM524555

Revision Table			
Instance Number	Published Date	Version Number	Reason For Update
2045672/6	2/27/20	60-18-03	Updated to include model year 2019 with ending VIN range.
2045672/5	7/18/19	60-18-03	Update to warranty table time unit.
2045672/4	10/2/18	V601803	Updated to update model year applicability.
2045672/1	10/24/16	V601607	Original publication.

The rear sunroof drains may be pinched shut by foam blocks on the headliner, not allowing the sunroof frame to drain properly (See Figure 1).


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Figure 1: Sunroof drain pinched by foam block on headliner

Technical Background

Incorrect assembly in production allows too much length in the sunroof drain between the second and third securing clips. This causes excess slack in the drain hose allowing the foam block to contact the hose.

Production Solution

Production counter-measure as of VIN: AU_ KM524556.

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Service

Inspect the Rear Sunroof Drain Hoses

1. Open the sunroof all the way.
2. Open the sunshade 2/3rds of the way.
3. Using the pry lever 80-200, slide it along between the cover frame (Figure 2, -2-) and the headliner (Figure 2, -1-) until the lever comes in contact with one of the clips (Figure 2, -3-).



Note:

Clean the pry lever 80-200 prior to using to avoid soiling the headliner.

4. Unclip the cover frame (Figure 2, -2-) in the area near the clips (Figure 2, -3-) using the pry lever 80-200 (Figure 2, -arrow-).

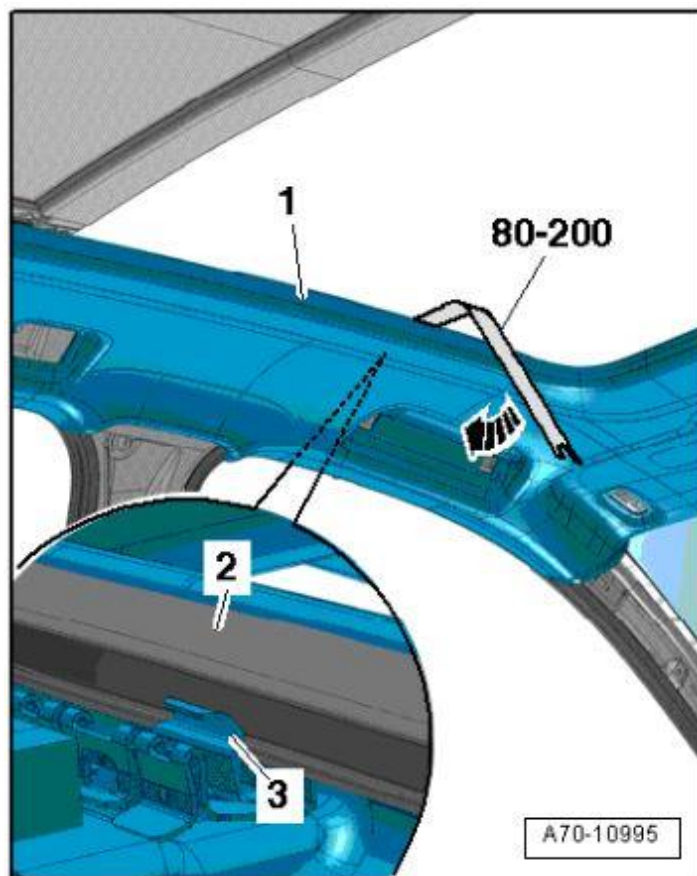



Figure 2

5. Remove the C-Pillar trim panels. See repair manual group 70 in ELSA.
6. Remove the D-Pillar trim panels. See repair manual group 70 in ELSA.

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7. Loosen the rear roof grab handles from the mounts in the grab handle brackets. DO NOT completely remove. See repair manual group 68 in ELSA.

8. Remove the luggage compartment lamp. See repair group 96 in ELSA.

9. Carefully lower the rear of the headliner and inspect the rear sunroof drain hoses. The drain hoses should be replaced if they show signs of being pinched by the foam blocks on the headliner (Figure 3).



Note:

Care must be taken when working with the headliner. The headliner bends easily. Damage to the headliner during this repair is not covered by warranty. Replace the headliner if it is bent.



Figure 3: Impression on rear sunroof drain from contact with headliner foam block.



Tip:

If the sunroof drains are pinched continue to next step. If the sunroof drains are not pinched, this bulletin does not apply and further diagnosis is required.


Replace Rear Sunroof Drain(s) Hose and Ensure the Correct Routing of the Hose(s)

1. Finish removing the headliner. See repair manual group 70 in ELSA.
2. Remove and replace the rear sunroof drain hoses. See repair manual group 60 in ELSA.



Tip:

The new hoses (longer than original) should be cut to match the length of the original hoses prior to the installation. During installation of the new drain hoses, ensure the hoses are pulled taught between the 2nd and 3rd mounting clips with no excess slack in the hoses (See Figures 4 and 5).

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Figures 4 and 5: Correct routing of left and right rear drain hoses with no slack between the 2nd and 3rd mounting clips.


3. Reinstall the headliner ensuring the foam blocks do not contact either of the sunroof drain hoses (See Figures 6 and 7).



Figures 6 and 7, Rear drain hoses routed behind foam blocks on headliner.

4. Reinstall all removed trim pieces in the reverse order of removal.


5. Water test vehicle to ensure there are no further water leaks.

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Warranty

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, Alltrack	2015-2019	All	All	AU_FM500001	AU_KM524555
SAGA Coding					
Claim Type:	Use applicable Claim Type ¹⁾				
Service Number:	Damage Code	HST	Damage Location (Depends on Service No.)		
6048	0010	--	000		
Parts Manufacturer	Golf Sportwagen, Alltrack	3ME ²⁾			
Labor Operation ³⁾ : Headliner Remove and Reinstall		70841903 = See Elsa for latest time units.			
Labor Operation ³⁾ : Remove and Reinstall 2 Rear Water Drains		60482060 = See Elsa for latest time units.			
Labor Operation ³⁾ : Water Test		60480399 = 20 TU			
Causal Part: Select Labor Operation		60482060			
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 2045672" in comment section of Warranty Claim.					
¹⁾ Vehicle may be outside any Warranty in which case this Technical Bulletin is informational only.					

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- 2) Code per warranty vendor code policy.
- 3) Labor Time Units (TUs) are subject to change with ELSA updates.
- 4) Documentation required per Warranty Policies and Procedures Manual.

Required Parts and Tools

Part No:	Part Description	Quantity
5G0 877 228	Water Drain Hose	2

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.