



Technical Service Bulletin

51 Water sloshing sound is heard while driving

51 22 23 2061754/3 January 7, 2022. Supersedes Technical Service Bulletin Group 51 number 21-21 dated April 20, 2021 for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
A5 Sportback, S5 Sportback, and RS5 SPortback	2018-2022	All	Not Applicable

Condition

REVISION HISTORY		
Revision	Date	Purpose
3	-	Revised header (Added Models and Model Years)
2	04/20/2021	Revised header (Added Models)
1	12/18/2020	Initial publication

Customer states:

- They hear a sound like water 'sloshing' when the vehicle is driving, cornering or braking.
- The origin of the noise is described as coming from the floor area.

Workshop findings:

- Water is found to have accumulated in the cavities contained in the side sills.

Technical Background

It is possible over time for water to accumulate in the side members and sills but the water is not able to drain as needed. The accumulated water is unable to reach the normal drainage because the sill cavity sound absorber blocks its flow. This accumulated water creates a 'sloshing' noise when the vehicle moves.



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Production Solution

Improvements to the body structure components have been implemented in production to prevent water accumulation and allow for normal drainage.

Service

1. Detach the underbody trim until the plugs for the side member are accessible. If water has already accumulated in the sill areas water will flow from these plug openings (Figure 1).



Figure 1. Access to the side member plugs.

2. Figure 2 shows the opening where water generally enters this space.

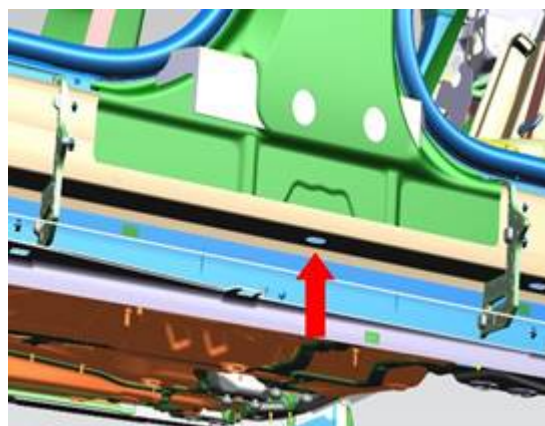


Figure 2. Water entrance point.



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3. Fastener position number 4 shown in Figure 3 is the opening through which a modification to the sound absorber will be made.



Figure 3. Sill trim fastener openings.

4. Figure 4 shows the location of the sound absorber marked 'A'.

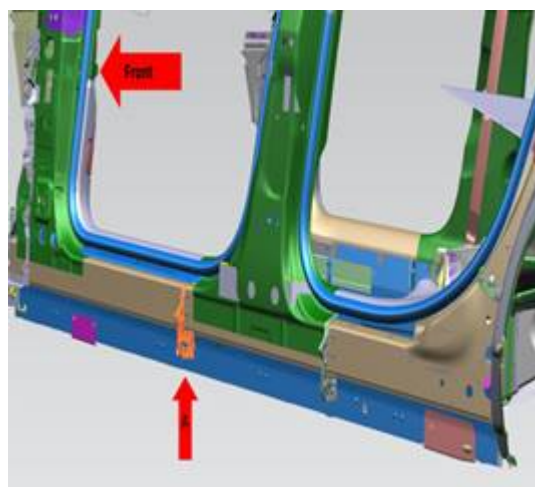


Figure 4. Location of the sound absorber.



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5. Figure 5 shows a closer view of the sound absorber to be modified in the cut-away image.

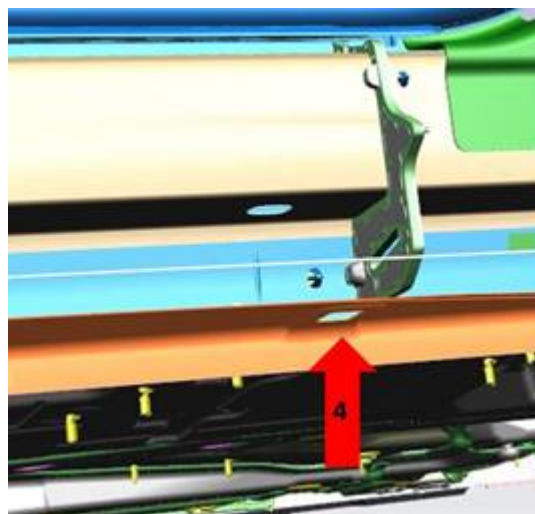
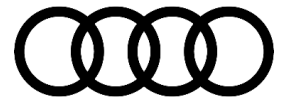


Figure 5. Hole through which the sound absorber will be accessed.

6. Figure 6 shows a cut-away view of the sound absorber from the rear.



Figure 6. Side member cavity sound absorber.



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7. Figure 7 shows a drawing of the sound absorber. The blue dot marked 'D' corresponds with a point through which a hole 8mm – 10mm in diameter will be made. This hole will allow for a normal flow of any accumulated water to reach the normal drainage and exit the sill cavity. The method for creation of this hole follows.

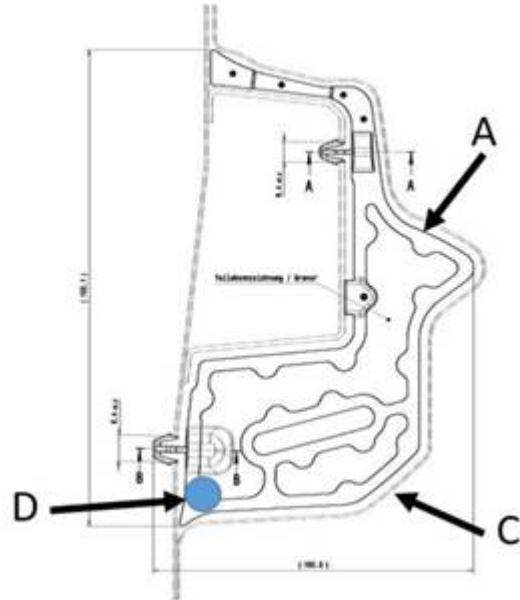


Figure 7. 8mm – 10mm hole to be made through the sound absorber.

8. From a steel rod 8mm – 10mm in diameter fabricate a tool as shown in figure 8. Bend the end of it in an 'L' shape 50mm long. Heat the bent end of the rod to approximately 500 °C (~932° F).

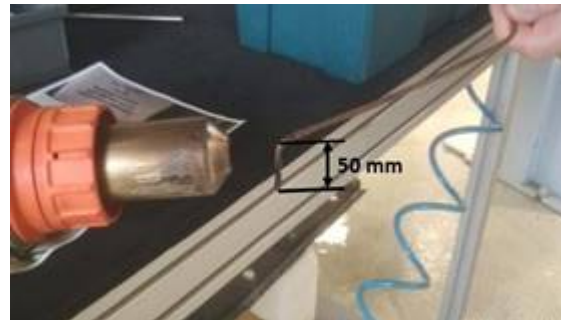
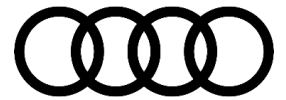


Figure 8. Heating the fabricated tool.



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9. Guide the heated rod into opening number 4 from Figure 3 and melt a hole in the sound absorber in position 'D' from figure 7 (Figure 9).



Figure 9. Making the hole in the sound absorber.

10. Figure 10 shows a drawing of the operation performed and the correct positioning.

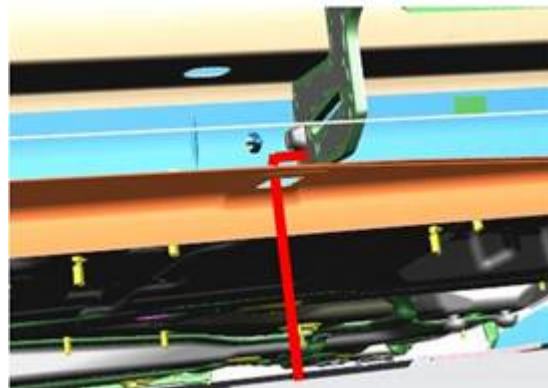


Figure 10. Correct positioning of the heated rod.



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11. Apply cavity preservative or anti corrosion wax to the area in the cavity having been modified. Use a sprayer VAG 1379, VAG 1538 or equivalent generic sprayer to carry out this operation.

Ensure that the drain function of the draining plugs on the front and rear of the side members are fully functional and not damaged (Figure 11).



Figure 11. Drain plug on rear of the side member.

12. Figure 12 shows the drain plug on the front of the side member.



Figure 12. Drain plug on the front of the side member.

13. Reassemble the underbody and sill trim.



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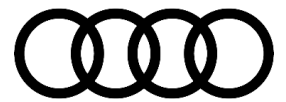
Warranty

Claim Type:	<ul style="list-style-type: none">110 up to 48 Months/50,000 Miles.If the vehicle is outside any warranty, this Technical Service Bulletin is informational only.		
Service Number:	5145		
Damage Code:	0050		
Labor Operations:	Loosen and refasten underbody trim and modify right and left sound absorbers	5145 1099	100 TU
	Body seal coat cavity	5101 7501	See SRT with associated operations
Diagnostic Time:	GFF	No allowance	0 TU
	Road test prior to the service procedure	No allowance	0 TU
	Road test after the service procedure	No allowance	0 TU
Claim Comment:	As per TSB #2061754/3		



All warranty claims submitted for payment must be in accordance with the *Audi Warranty Policies and Procedures Manual*. Claims are subject to review or audit by Audi Warranty.

Required Parts and Tools

The part numbers mentioned in this TSB are different than the ones listed in ETKA. Only use parts listed in this TSB, this includes superseding part numbers!		
Part Number	Part Description	Quantity
See ETKA	Fasteners, Bolts, Nuts, and Screws as needed per the Repair Manual	See ETKA/ELSA



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<p>D 330KD2A1</p> <p>Or alternatively:</p> <p>D 321M16M2</p>	 <p>Cavity Preservative</p>  <p>Anti-Corrosion Wax</p>	<p>0.3</p>
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Tool Number	Tool Description
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VAG 1379 or equivalent generic sprayer	 Spray Gun
VAG 1538 (or alternative generic sprayer)	 Suction Feed Spray Gun

Additional Information

All parts and service references provided in this TSB (2061754) are subject to change and/or removal.

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