



# Technical Service Bulletin

## 91 B&O sound: scraping noises from woofer door speaker with bass-heavy songs

91 17 62 2046489/2 November 16, 2017. Supersedes Technical Service Bulletin Group 91 number 17-06 dated February 6, 2017 for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
TT	2016 - 2018	All	With B&O
TT	2018	000000 - 900608 Or 000000 - 001825	With B&O

## Condition

REVISION HISTORY		
Revision	Date	Purpose
2	-	Revised header data (Added model years and VIN breaks) Revised <i>Technical Background</i> (Updated information) Revised <i>Production Solution</i> (Updated improvement date) Revised <i>Service</i> (Updated repair instructions) Revised <i>Warranty</i> (Updated Labor Operations)
1	02/06/2017	Initial publication

The subwoofer speakers in the front doors make scraping noises with bass-heavy songs or spoken passages. Vehicles with the B&O sound system (PR code 9VS) are affected.

## Technical Background

The speaker can have a hardware restriction which causes a noise similar to a blown speaker. Additionally a software improvement is available for the sound amplifier for this condition.

## Production Solution

Hardware improvement introduced into series production start CW46/16 and new software as of CW26/17.



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## Service

1. Check whether the concern is caused by the speaker or by adjacent components (door trim, plastic parts, cables, and etc.).
2. Follow TSB 2018187: *91 Sound system: speaker rattles, vibrations or audio interference* and ensure there are no outside influences that can be removed to fix the concern.
3. If no outside influence can be determined, then remove the speaker from its mounting location using the repair instructions in ElsaPro at Repair Manual, *Electrical System >> Communication >> 91 Communication >> Sound System >> Left Front Bass Speaker -R21-/Right Front Bass Speaker -R23-, Removing and Installing >> Left Front Bass Speaker -R21-/Right Front Bass Speaker -R23-, Removing and Installing, 9VD/9VS.*
  - Keep the speaker wiring connected and play audio through the MMI while the speaker is removed from its mounting location and while being held.
  - Verify the noise is heard when holding the speaker in hand.
  - If it is determined the speaker is the source of the noise, with no outside influence, then use SVM to update the parameter data of the digital sound system control module, J525 (address word 0047 – Sound system (Bang & Olufsen)). The parameter part number and version can only be seen after the SVM update completes. To access SVM, within ODIS start *GFF >> Diagnosis >> Special functions >> Software Version Management >> SVM code input.*

Model	Old Parameter P/N	Old Parameter Version	New Parameter P/N	New Parameter Version	SVM Code
2016-2018 TT	8S0909510C	All	8S0909510C	0013	47A005

4. If the noise is still present, and no outside influence can be found, then replace the speaker.



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## Warranty

<b>Claim Type:</b>	<ul style="list-style-type: none"> <li>• 110 up to 48 Months/50,000 Miles.</li> <li>• G10 for CPO Covered Vehicles – Verify Owner.</li> <li>• If vehicle is outside any warranty, this Technical Service Bulletin is informational only.</li> </ul>		
<b>Service Number:</b>	9140		
<b>Damage Code:</b>	0040		
<b>Labor Operations:</b>	<b>Removing and Checking both door woofer speakers</b>		
	Front door trim panels removed + reinstalled	7059 2000	50 TU
	Front loudspeakers remove + reinstall	9140 2052	50 TU
	<b>OR</b>		
	<b>Removing and Checking as single door woofer speaker</b>		
	Front door trim panel removed + reinstalled	7059 1900	30 TU
	Front loudspeaker remove + reinstall	9140 1952	30 TU
	<b>OR</b>		
	<b>Checking and Replacing both door woofer speakers</b>		
	Front door trim panels removed + reinstalled	7059 2000	50 TU
	Front loudspeakers remove + reinstall	9140 2052	50 TU
	Front loudspeakers replace	9140 9999	20 TU
	<b>OR</b>		
	<b>Checking and Replacing only a single door woofer speaker</b>		
	Front door trim panel removed + reinstalled	7059 1900	30 TU
Front loudspeaker remove + reinstall	9140 1952	30 TU	
Front loudspeaker replace	9140 9999	10 TU	
<b>Diagnostic Time:</b>	GFF	0150 0000	Time stated on diagnostic



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			protocol (Max 100 TU)
	Road test prior to service procedure	No allowance	10 TU
	Road test after service procedure	No allowance	10 TU
<b>Claim Comment:</b>	As per TSB #2046489/2		

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

Part Number	Part Description	Quantity
8S0.035.297	Driver Door "Woofers"	As needed
8S0.035.298	Passenger Door "Woofers"	As needed

## Additional Information

The following Technical Service Bulletin(s) will be necessary to complete this procedure:

- TSB 2018187, *91 Sound system: speaker rattles, vibrations or audio interference*.

All parts and service references provided in this TSB (2046489) are subject to change and/or removal. Always check with your Parts Department and service manuals for the latest information.

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