

Technical Service Bulletin



91 Droning noise from engine compartment from about 3500 rpm in S3 vehicles

91 15 23 2042374/1 November 6, 2015.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
S3	2015 - 2016	All	Not Applicable

Condition

- In S3 vehicles:
 - The customer complains of an engine droning noise or rattle noise when the engine speed is approximately 3,500 to 4,000 rpm. (Vehicle speed does not affect the noise; the vehicle can be stationary.)
 - The source of the noise seems to be from somewhere near the windshield or inside the dash panel area.
 - The noise is more noticeable when Audi drive select is set to dynamic mode.
 - No DTCs are stored.

Technical Background

In S3 vehicles, there is an electronic sound amplification system (actuator for impact sound) that changes depending on the selected Audi drive select mode. The harness for the sound actuator can make contact with the vehicle body structure and the noise can be amplified by the sound actuator. This noise is only noticeable at higher speeds due to the calibration of the sound actuator system.

The video located at

<https://audi-external.kzoplatform.com:443/swf/player/316> (Figure 1) shows how the interference causes the vibration.



Figure 1. QR code for viewing the video with a QR code reader on phones and tablets. Alternatively, the video can be accessed through computer internet browsers at the link provided in this bulletin.

Production Solution

Harness for the sound actuator covered with insulation tape.

Service

1. Verify the complaint by checking for the sound with the engine speed between 3,500 and 4,000 rpm, only after the engine has reached operating temperature. This can be done while the vehicle is stationary.
 - First, check for the sound with Audi drive select in comfort mode (*MMI>>Menu>>Car>>Audi drive select>>comfort* or select using the dash panel button) (Figure 2).
 - Next, verify that the sound is more noticeable with Audi drive select in dynamic mode (*MMI>>Menu>>Car>>Audi drive select>>dynamic* or select using the dash panel button).

If the sound became more noticeable with Audi drive select in dynamic mode, then the source is the harness contacting the body structure. Proceed to the next step.

2. Loosen the connector on sound actuator R214 (Figure 3) according to the Elsa Repair Manual.

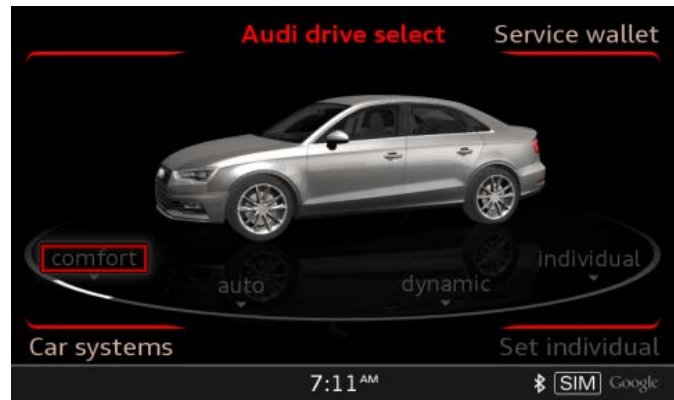


Figure 2. Audi drive select mode selection.



Figure 3. Sound actuator R214 in the plenum chamber.

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3. Wrap fleece tape (part number D 373125A2) from approximately 2 cm away from the connector housing to the exit of the main wiring harness (Figure 4).

The new tape can be placed over the existing insulation. The added bulk will dampen vibrations.

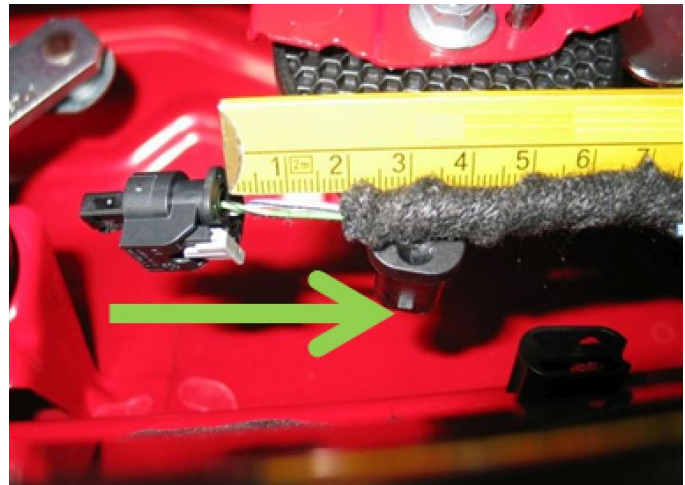


Figure 4. Direction in which to start wrapping the tape (arrow).

4. Check for the sound again to verify that the complaint is resolved.

Warranty

Claim Type:	Use applicable claim type. If vehicle is outside any warranty, this Technical Service Bulletin is informational only.		
Service Number:	9713		
Damage Code:	0018		
Labor Operations:	Cover (plenum) remove+reinstall	8522 1900	50 TU
	Modify sound actuator	2793 1999	20 TU
Diagnostic Time:	GFF	No allowance	0 TU
	Road test prior to service procedure	0121 0002	10 TU
	Road test after service procedure	0121 0004	10 TU
	Technical diagnosis at dealer's discretion (Refer to Section 2.2.1.2 and Audi Warranty Online for DADP allowance details)		
Claim Comment:	As per TSB #2042374/1		

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.

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Required Parts and Tools

Part Number	Part Description	Quantity
D 373125A2	Fleece Adhesive Tape	As needed (not claimed under warranty)

Additional Information

All parts and service references provided in this TSB (2042374) are subject to change and/or removal. Always check with your Parts Department and service manuals for the latest information.