



Technical Service Bulletin

91 Droning noise from engine compartment from about 3500 rpm

91 19 50 2042374/2 March 26, 2019. Supersedes Technical Service Bulletin Group 91 number 15-23 dated November 6, 2015 for reasons listed below.

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

Condition

REVISION HISTORY		
Revision	Date	Purpose
2	-	Revised title Revised header data (Added TTS) Revised <i>Warranty</i> (Added Claim Types)
1	11/06/2015	Initial publication

Customer states:

- There is 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.
- The customer has an S3 or a TTS.

Workshop findings:

- No DTCs are stored.



Technical Service Bulletin

Technical Background

In S3 and TTS 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 vibration.



Figure 1. The 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

The harness for the sound actuator is covered with insulation tape.



Technical Service Bulletin

Service

1. Verify the concern 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.



Figure 2. Audi drive select mode selection.



Technical Service Bulletin

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



Figure 3. Sound actuator R214 in the plenum chamber.

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.

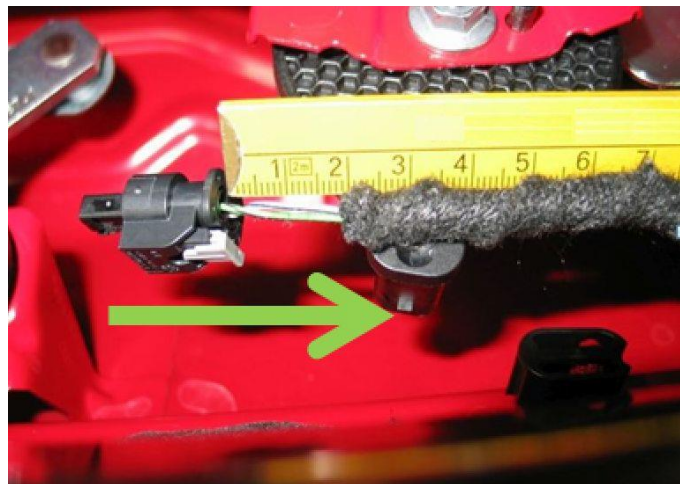


Figure 4. The direction in which to start wrapping the tape (arrow).

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



Technical Service Bulletin

Warranty

Claim Type:	<ul style="list-style-type: none">• 110 up to 48 Months/50,000 Miles.• G10 for CPO Covered Vehicles – Verify Owner.• If the 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	See SRT
	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
Claim Comment:	As per TSB #2042374/2		

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.

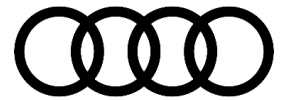
Required Parts and Tools

Always check with your Parts Department and/or ETKA for the latest information and parts bulletins.		
Part Number	Part Description	Quantity
D 373125A2	Fleece Adhesive Tape	As needed (not claimed under warranty)
See ETKA	Fasteners, Bolts, Nuts, and Screws as needed per the Repair Manual	See ETKA/ELSA

Additional Information

All parts and service references provided in this TSB (2042374) are subject to change and/or removal.

©2019 Audi of America, Inc. All rights reserved. The information contained in this document is based on the latest information available at the time of printing and is subject to the copyright and other intellectual property



Technical Service Bulletin

rights of Audi of America, Inc., its affiliated companies and its licensors. All rights are reserved to make changes at any time without notice. No part of this document may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, nor may these materials be modified or reposted to other sites without the prior expressed written permission of the publisher.