



Connection offline

Technical Service Bulletin

Transaction No.: **2079696/2**

44 Whining noises at high speeds - toroidal resonance

Release date: Aug 21, 2026

Condition

Model(s)	Year(s)	VIN Range	Vehicle Specific Equipment
All Audi vehicles	2020 – 2027	All	Not applicable

REVISION HISTORY		
Revision	Date	Purpose
2	-	Revised header (Add Model Year)
1	10/17/2025	Initial publication

Customer states:

The customer complains about a whining noise in the vehicle interior at high speeds. Depending on individual perception and the vehicle's equipment or vehicle version, this fluctuation in pressure is perceived differently.

Workshop findings:

The noise can be reproduced and will be localized as described below.

Technical Background

A particularly noticeable factor is the vibration of the air column in a tire. When a tire starts to vibrate because of the road contact, this can lead to cavity resonances inside the tire that are transmitted via the wheel rim and the running gear to the vehicle interior. Because of the vehicle design and due to the specific properties of different wheel and tire combinations, a whining noise can occur at high speeds. This is a result of toroidal resonance whose frequency is noticeable between 180 - 250 Hz irrespective of the vehicle speed.

Production Solution

Not applicable.

Service

To assign the noise to this TSB, you should preferably use the VAS tool 611015 (Pico NVH tool) for the analysis. When performing analysis with VAS 611015, please also observe TSB 2070568. The PDF document includes a detailed measurement description and a frequency analysis. Explain the technical background to the customer. If the noise is outside the frequency specified above, perform further analyses.

Warranty

Claim Type:	If the vehicle is outside of any warranty, this Technical Service Bulletin is informational only.
Service Number:	4440

Damage Code:	0055 (manufacturer AUN)		
Labor Operations:	Set-up time : <u>Setting-up time of noise analysis tool</u> All work carried out must be documented as follows: • Attach photos of the sensor positions (at least one photo with vehicle identification number) to Doc-IT. • Photo labelling: e.g. sensor A measurement setup 01	0161 0000	50 TU
	Measurement/test drive : <u>Measurement drive (use service number depending on component)</u> <u>All work carried out must be documented as follows:</u> • Make a note of the mileage before and after the test drive	XXXX 0199	Please bill according to time required. All work carried out must be clearly documented.
	Time required for analysis/evaluation of measurements : <u>Analysis (use service number depending on component)</u> All work carried out must be documented as follows: • Attach screenshots of the measurement report of the analyzed case to Doc-IT. • End or continue with repositioning measuring technology.	XXXX 0199	Please bill according to the time required. All work carried out must be clearly documented.
	Repositioning measuring technology: Time required to reposition noise analysis tool. <u>All work carried out must be documented as follows:</u> • Reason why repositioning necessary • Photos of new sensor positions (labelling: e.g. sensor A measurement setup 02) Another test/measurement drive - As point 2 Time required for another analysis/evaluation of measurements - As point 3 End or continue with repositioning measuring technology	0161 3199	25 TU

Claim Comment:	As per TSB 2079696/2
-----------------------	----------------------

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.



NOTICE

Please observe the information in the repair operations list on which repair operations must be carried out beforehand, which are included, and which must be carried out afterwards if necessary.

Additional Information

All part and service references provided in this TSB (**2079696**) are subject to change and/or removal. Always check with your Parts Department and/or ETKA for the latest information and parts bulletins. Please check the Repair Manual for fasteners, bolts, nuts, and screws that require replacement during the repair.

©2026 Audi of America, LLC / Audi Canada 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 rights of Audi of America, LLC / Audi Canada 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.