



Technical Service Bulletin

40 Noises from the front end and dash panel, noise is heard when the vehicle is moving

40 22 45 2047920/6 July 13, 2022. Supersedes Technical Service Bulletin Group 40 number 20-12 dated July 15, 2020, for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
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A6, and A7	2015 – 2022	All	Not Applicable.
S6, and S7	2015 – 2018 2020 – 2022		
RS 7	2015 – 2018 2021 – 2022		
A4, A4 allroad, and Q7	2017 – 2023		
S4, A5, A5 Cabriolet, A5 Sportback, S5, S5 Cabriolet, and S5 Sportback	2018 – 2023		
RS 5	2018 – 2019 2021 – 2023		
RS 5 Sportback	2019 2021 – 2023		
Q8	2019 – 2023		
A6 allroad	2020 – 2022		
SQ7, SQ8, and RS Q8	2020 - 2023		
RS 6 Avant, and A7 e quattro	2021 – 2022		



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Condition

REVISION HISTORY		
Revision	Date	Purpose
6	-	Revised header (Added model years and models)
5	07/13/2020	Revised <i>Warranty</i> (Added Labor Operations)
4	05/18/2020	Revised header (Corrected Elsa display issue)

Customer states:

- There is a buzzing, booming, humming, whistling, or a similar noise from the front end.
- The noises can possibly be heard from the steering area or behind the dash panel.
- The noises may also suspected to be tire rolling noises.

Workshop findings:

The noises can be reproduced in a test drive.

Technical Background

Mechanical damage on the wheel bearing of the front axle.

Production Solution



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Not applicable.

Service

The noises from the wheel bearing can be transmitted via the steering into the vehicle interior.

Because of the close proximity, it can be difficult to distinguish them from rolling noises.

Therefore, with such noises, check whether the wheel bearings of the front axle may be the source and replace the affected component. The following steps are helpful:

1. Does the frequency issue rise as the speed increases or does the sound get higher?
2. Does the noise get louder when steering?
3. Is the noise still present when slowing down?
4. Is the noise amplified on the steering wheel/airbag well?
5. Can the vibrations be felt on the unpressed coil spring when the wheel is turning?
6. When swapping around the wheel bearings, does the noise move with a particular bearing?



Tip: Please precisely locate the source of the noise with acoustic testers. It is possible that a noise perceived on the left side of vehicle is caused by the right wheel bearing. The front wheel bearings should not be replaced in pairs.

If the cause of the noise cannot be traced to a wheel bearing, continue the analysis on other components.

Warranty

Claim Type:	<ul style="list-style-type: none">• 110 up to 48 Months/50,000 Miles.• G10 for CPO Covered Vehicles – Verify Owner.
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	<ul style="list-style-type: none"> If vehicle is outside any warranty, this Technical Service Bulletin is informational only. 		
Service Number:	4057		
Damage Code:	0020		
Labor Operations:	A4 and A5 one front wheel bearing:		
	Remove and install front hub with bearing	4067 1900	See SRT with associated operations
	Replace front wheel bearing	4057 5550	See SRT with associated operations
	A4 and A5 both front wheel bearings:		
	Remove and install 2 front hubs with bearings	4067 2000	See SRT with associated operations
	Replace 2 front wheel bearings	4057 5650	See SRT with associated operations
	A6 and A7 one front wheel bearing:		
	Remove and install front hub with bearing	4067 1950 (4G MY15 – MY18) 4067 1900 (4A & 4K MY19 – MY22)	See SRT with associated operations



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	Replace front wheel bearing	4057 5550	See SRT with associated operations
	A6 and A7 both front wheel bearings:		
	Remove and install 2 front hubs with bearings	4067 2050 (4G MY15 – MY18) 4067 2000 (4A & 4K MY19 – MY22)	See SRT with associated operations
	Replace 2 front wheel bearings	4057 5650	See SRT with associated operations
	Q7 and Q8 one front wheel bearing:		
	Remove and install front hub with bearing	4067 1900	See SRT with associated operations
	Replace front wheel bearing	4057 5500	See SRT with associated operations
	Q7 and Q8 both front wheel bearings:		
	Remove and install 2 front hubs with bearings	4067 2000	See SRT with associated operations
	Replace 2 front wheel bearings	4057 5600	See SRT with associated operations
Diagnostic Time:	GFF	No allowance	0 TU



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	Road test prior to service procedure	0121 0002	10 TU
	Road test after service procedure	0121 0004	10 TU
Claim Comment:	As per TSB 2047920/6		

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
See ETKA	Wheel bearings	(Up to 2)
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 (2047920) are subject to change and/or removal.

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