



Technical Service Bulletin

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

40 23 67 2047920/7 August 8, 2023. Supersedes Technical Service Bulletin Group 40 number 22-45 dated July 13, 2022, for reasons listed below.

| Model(s) | Year | VIN Range | Vehicle-Specific Equipment |
|-------------------|-------------|-----------|----------------------------|
| All Audi Vehicles | 2020 – 2025 | All | Not Applicable |

Condition

| REVISION HISTORY | | |
|------------------|------------|--|
| Revision | Date | Purpose |
| 7 | - | Revised header (Added model years) Revised <i>Warranty</i> (Updated Labor Operations) |
| 6 | 07/13/2022 | Revised header (Added model years and models) |
| 5 | 07/13/2020 | Revised <i>Warranty</i> (Added Labor Operations) |

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

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.



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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.• If vehicle is outside any warranty, this Technical Service Bulletin is informational only. | | |
| Service Number: | 4057 | | |
| Damage Code: | 0020 | | |
| Labor Operation: | Replace wheel bearing | 4057 5550 | See SRT with associated operations |
| 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 2047920/7 | | |

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



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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 | 1 |
| 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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