



Technical Service Bulletin

39 Noises and/or vibrations in tight turns

39 24 57 2059129/5 January 25, 2024. Supersedes Technical Service Bulletin Group 39 number 23-55 dated September 7, 2023 for reasons listed below.

| Model(s) | Year | VIN Range | Vehicle-Specific Equipment |
|---------------------------------------|----------------------------|-----------|----------------------------|
| Q7 | 2017 – 2024 | All | Not Applicable |
| SQ5, and S4 | 2018 – 2024 | | |
| S5, S5 Cabriolet, and S5 Sportback | 2018 – 2023 | | |
| RS 5 | 2018 – 2019 2021 – 2023 | | |
| RS 5 Sportback | 2019 2021 – 2023 | | |
| A8, and Q8 | 2019 – 2024 | | |
| S6, S7, and S8 | 2020 – 2024 | | |
| A8 e quattro | 2020 – 2021 | | |
| RS 6 Avant, RS 7, SQ7, SQ8, and RS Q8 | 2021 - 2024 | | |

Condition

| REVISION HISTORY | | |
|------------------|------------|--|
| Revision | Date | Purpose |
| 5 | - | Revised header (Added Model Year) |
| 4 | 09/07/2023 | Revised header (Added Models/Model Year 2023) |
| 3 | 11/18/2022 | Revised header (Added Model Years 2021 and 2022) |

Customer states:

- Noises and/or vibrations in tight turns (parking lots or U-turns).

Workshop findings:

- Noises and/or vibrations in tight turns can be reproduced. Compared with an identical comparison vehicle (model, tire size, and body style) the concern on the affected vehicle under identical conditions is significantly more noticeable.



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Technical Background

Because of the different speeds between the front and rear differentials, the locking effect of the center differential can differ significantly in tight bends (full or nearly full steering lock). This effect has a resulting tension of the drivetrain that can lead to noises or vibrations during tight turns.

The tension does not have a negative effect on the service life of the components.

Production Solution

Not applicable.

Service

This concern is **only** a comfort problem. This behavior is construction-related and there are no damaged parts.

If the concern can be duplicated and it is confirmed to be worse than a like vehicle, changing the oil for the center differential can be attempted.

Before changing the oil these other factors can also cause this condition and must be ruled out:

- Wheels/Tires: Tread depth (tires almost worn out or tread depths are significantly different from one tire to another, hardness, the width of tire or wheel, summer or winter wheels, different tire manufacturers other than original equipment).
- Additional tension in the drivetrain due to wheel alignment.
- Possible noise transmission of the drivetrain mounts, subframe mounts, or noisy wheel bearings.
- Different acoustics depending on body type (Sedan, Avant, and SUV).

If the above are ruled out change the oil of the center differential according to the repair manual.



Tip: It can take up to 600 miles for the condition to improve due to additives in the oil.

If the concern returns after 600 miles of driving open an Audi Technical Assistance Center case and contact the Audi Technical Assistance Center.

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: | 3936 |



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| | | | |
|--------------------------|--|-----------|-------|
| Damage Code: | 0020 | | |
| Labor Operations: | Change oil for the center differential | 3990 5599 | 70 TU |
| Diagnostic Time: | GFF | 0150 0000 | 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 2059129/4 | | |

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 | Fasteners, Bolts, Nuts, and Screws as needed per the Repair Manual | See ETKA/ELSA |
| G 055145A2 | Axle oil for the transfer box | 01 |

Additional Information

All parts and service references provided in this TSB (**2059129**) are subject to change and/or removal.

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