



Technical Service Bulletin

46 Knocking noise from front of vehicle when changing direction (ceramic brake system only)

46 24 60 2069077/2 September 10, 2024. Supersedes Technical Service Bulletin Group 46 number 23-39 dated January 5, 2023 for reasons listed below.

| Model(s) | Year | VIN Range | Vehicle-Specific Equipment |
|----------|-------------|-----------|----------------------------|
| RS 3 | 2022 – 2025 | All | Ceramic brake system |

Condition

| REVISION HISTORY | | |
|------------------|------------|-----------------------------------|
| Revision | Date | Purpose |
| 2 | - | Revised header (Added Model Year) |
| 1 | 01/05/2023 | Initial publication |

Customer states:

Knocking noise when braking after changing direction.

Workshop findings:

The knocking noise can be assigned to the front brake system.

Technical Background 1

The play between the brake pads and the brake calipers/brake pad carriers can cause a noise in certain driving situations. This play is necessary to ensure that the brake system can move freely when the brake pad and brake caliper/brake pad carrier material expand at higher operating temperatures.

Production Solution

Not applicable.

Service

Proceed according to the instructions below:

1. Remove brake pads on front axle according to *ELSA>>Repair Manual>>Chassis>>Brake System>>46 Mechanical Components>>Front Brakes>>Brake Pads, Removing and Installing*.
2. Clean back of pads, zirconium inserts, brake pistons and caliper with workshop materials (Figure 1).
3. Apply adhesive pad to the center piston area in the brake pad and press it on firmly. Then remove the protective film (Figure 2).



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4. Install brake pads according to *ELSA>>Repair Manual>>Chassis>>Brake System>>46 Mechanical Components>>Front Brakes>>Brake Pads, Removing and Installing.*
5. After installing the pads, press brake pedal for 10 seconds so that the pads stick to the zirconium inserts/brake pistons.

NOTICE

This is a noise complaint.

The function of the brake system is not affected.

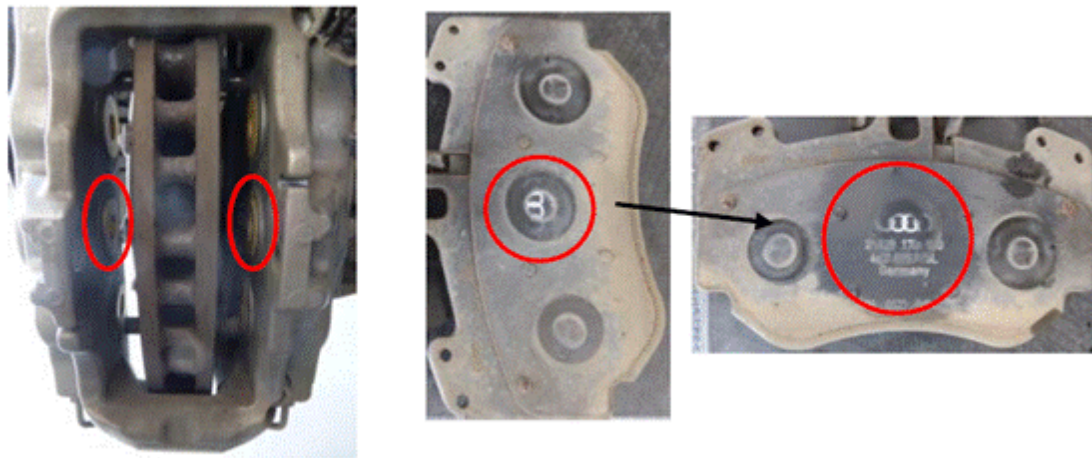


Figure 1: Areas to be cleaned (back of pads, zirconium inserts, brake pistons and caliper).



Figure 2: Adhesive location – center piston position in the brake pad.

Warranty

| | |
|------------------------|--|
| Claim Type | <ul style="list-style-type: none">• If the vehicle is outside any warranty, this Technical Service Bulletin is informational only. |
| Service Number: | 4636 |
| Damage Code: | 0020 |



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|--------------------------|--|--------------|------------------------------------|
| Labor Operations: | Remove and install 4 front brake pads | 4636 20XX | See SRT with associated operations |
| | Clean 4 front brake pads | 4636 3099 | 10 TU |
| | Clean brake piston and attach adhesive pad | 4739 5099 | 10 TU |
| Diagnostic Time: | GFF | No allowance | 0 TU |
| | Road test prior to the service procedure | No allowance | 0 TU |
| | Road test after the service procedure | 0121 0004 | 10 TU |
| Claim Comment: | As per TSB 2069077/2 | | |

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

| The part numbers mentioned in this TSB are different than the ones listed in ETKA. Only use parts listed in this TSB, this includes superseding part numbers! | | |
|---|--|----------------------------|
| Part Number | Part Description | Quantity |
| See ETKA | Fasteners, Bolts, Nuts, and Screws as needed per the Repair Manual | See ETKA/ELSA |
| 4G0 615 359 | Set of adhesive pads | 01 (set with 04 adhesives) |

Additional Information

All parts and service references provided in this TSB (**2069077**) are subject to change and/or removal.

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