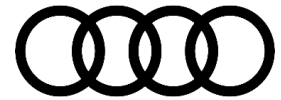


Technical Service Bulletin



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

46 23 39 2069077/1 January 5, 2023.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
RS 3	2021 – 2024	All	Ceramic Brakes

Condition

Customer states:

Knocking noise when braking after changing direction.

Workshop findings:

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

Technical Background

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).
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.



NOTE:

- This is a noise complaint.
- The brake system's functions are not affected.

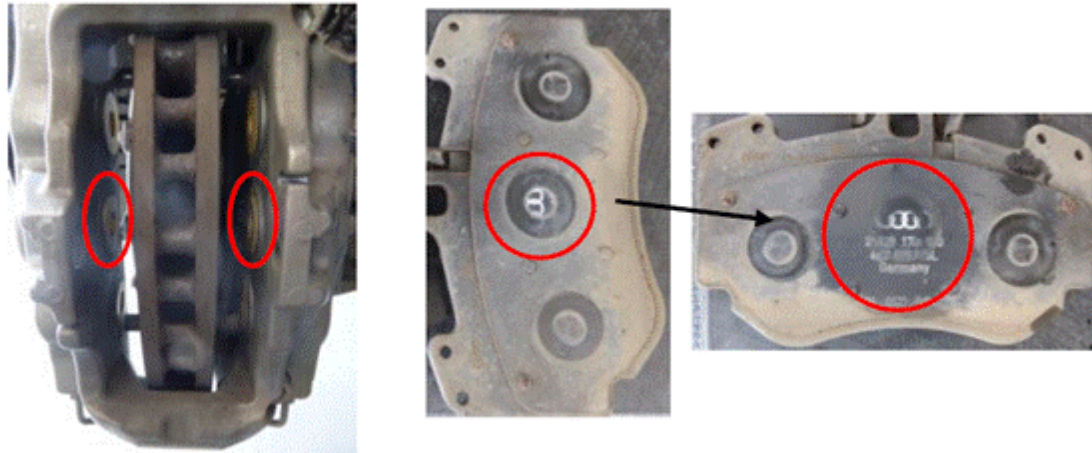
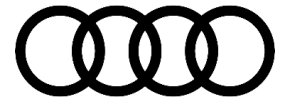


Figure 1: Areas to be cleaned (back of pads, zirconium inserts, brake pistons and caliper).



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

Warranty

Claim Type	<ul style="list-style-type: none"> • 110 up to 12 Months/12,000 Miles. • If the vehicle is outside any warranty, this Technical Service Bulletin is informational only. 		
Service Number:	4636		
Damage Code:	0020		
Labor Operations:	Remove and install 4 front brake pads	4636 2050	See SRT
	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

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	Road test after the service procedure	0121 0004	10 TU
Claim Comment:	As per TSB 2069077/1		

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

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