



Technical Service Bulletin

46 Rattling/knocking noises (from the front end of the vehicle) while driving on rough roads

46 22 36 2068446/1 November 7, 2022.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
Q4 e-tron quattro, and Q4 Sportback etron quattro	2022 – 2023	All	Not Applicable

Condition

Customer states:

- When driving on rough roads (e.g. cobblestones, roads with many potholes, hard bumps, etc.), rattling/knocking noises can be heard from the front end of the vehicle.

Workshop findings:

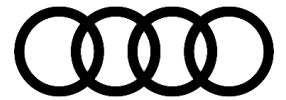
- The customer statement can be reproduced.
- The noises can be clearly assigned to the front brake system.

Technical Background

Not applicable.

Production Solution

Not applicable.



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Service

1. Replace lower brake pad retaining springs on the front brake system (left/right) according to *ELSA* > > *Repair Manual* > > *Chassis* > > *Brake System* > > *46 Mechanical Components* > > *Front Brakes* > > *Brake Pads Removing and Installing*.
2. Remove brake pads and brake pad retaining springs (Figure 1, arrows marking) on the front brake system.
3. Clean brake calipers/old brake pads and remove any brake dust using workshop equipment.
4. Install new lower brake pad retaining springs (1EA 615 231B) (Figure 2, red marks) together with old brake pads.



Note: Do not replace the brake pads, old pads should remain in the vehicle.

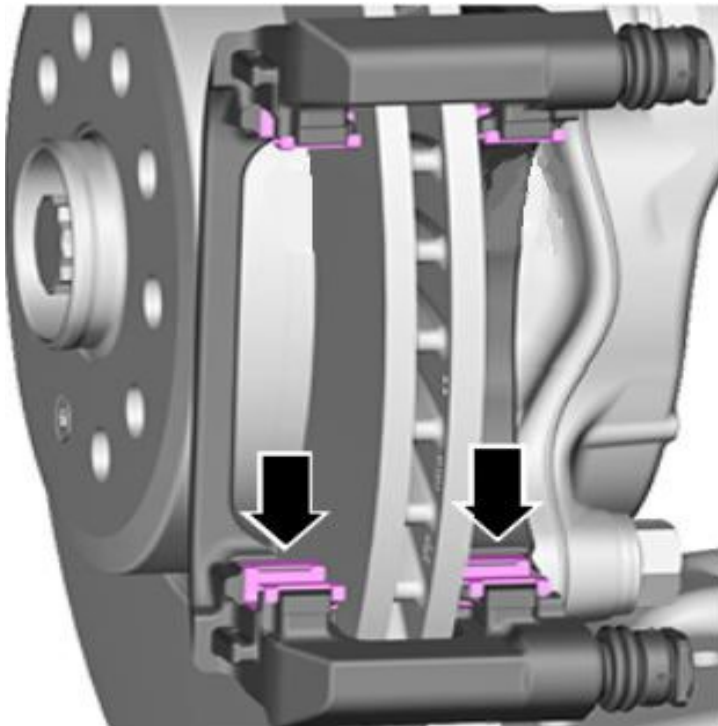


Figure 1: Brake system, lower brake pad retaining springs



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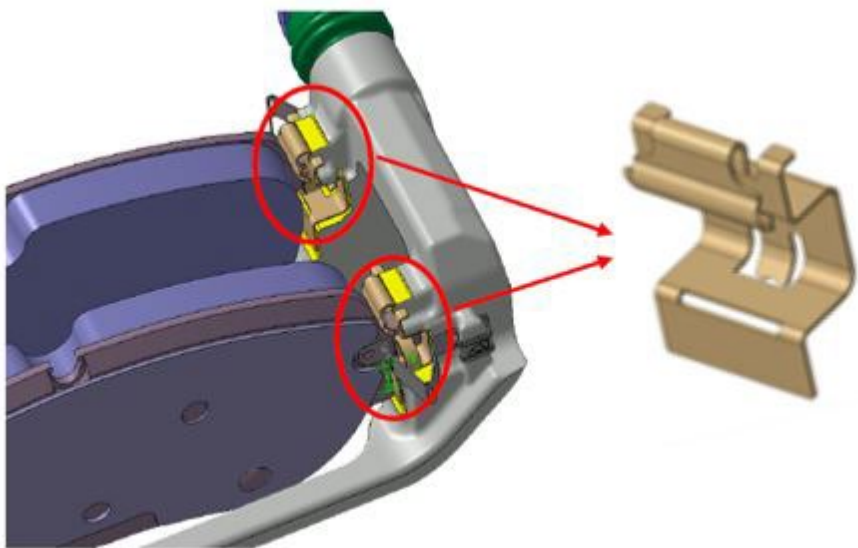


Figure 2: Brake pad retaining springs (1EA 615 231B) for the front brake system.

Warranty

Claim Type	• 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:	4614
Damage Code:	0010



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Labor Operations:	Remove and install brake pads to replace 4 retaining plates	4636 2050	See SRT
Diagnostic Time:	GFF	No allowance	0 TU
	Road test prior to the service procedure	0121 0002	10 TU
	Road test after the service procedure	No allowance	0 TU
Claim Comment:	As per TSB 2068446/1		

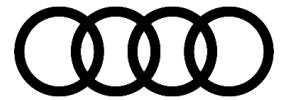
All warranty claims submitted for payment must be in accordance with the *Audi Warranty Policies and Procedures Manual*. Claims are subject to review or audit by Audi Warranty.

Required Parts and Tools

The part numbers mentioned in this TSB are different from 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
1EA615231B	Brake retaining plates	04

Additional Information

All parts and service references provided in this TSB (**2068446**) are subject to change and/or removal.



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