



Technical Service Bulletin

46 Brake/Parking brake - not released after stationary period

46 23 54 2071304/2 December 11, 2023. Supersedes Technical Service Bulletin Group 46 number 23-47 dated September 7, 2023 for reasons listed below.

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

Condition

REVISION HISTORY		
Revision	Date	Purpose
2	-	Revised <i>Technical Background</i>
1	09/07/2023	Initial publication

Customer states:

- The brake/parking brake does not release well after the vehicle has been stationary for an extended period.
and
- A (banging) noise can be heard when driving off.
or
- Under braking, (grinding/scraping/booming) noises can be heard from the rear of the vehicle.
- Uncomfortable braking characteristics shortly before coming to a standstill.

Workshop findings:

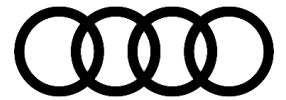
- The customer statement can be reproduced. The noises (grinding and/or scraping noises and/or rhythmic noises) can be clearly attributed to the rear brake system, together with uncomfortable brake characteristics.

Technical Background

Moisture gets into the rear brakes. This can result in the rear brake shoe seizing due to corrosion or freezing to the brake drum.

In addition the corrosion on the friction surface may briefly result in fluctuating friction values at the rear brakes, this can cause uncomfortable braking characteristics shortly before coming to a standstill (below 5 mph).

Production Solution



Technical Service Bulletin

Gasket installed in production starting: May, 2023.

Service

Proceed as follows:

1. Perform conditioning of brakes to clean friction faces.
2. Take photos of rear brakes and upload to DOC-IT.
3. Install gasket between brake carrier and rear (left/right) wheel bearing housing (item 2, Figure 1).
4. Check rear brakes and (if required) replace brake shoes and/or brake drums.
5. Inform the Customer.

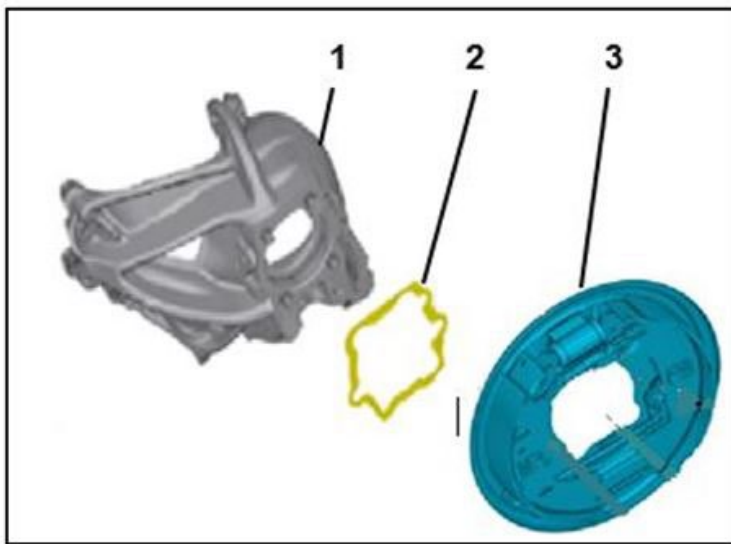


Figure 1: Gasket (2) between brake carrier (3) and wheel bearing housing (1).

NOTICE

Perform conditioning of brakes to clean friction faces:

- Perform conditioning of brakes (approx. 30 miles of road test with brake applications) to clean the friction surfaces; drive in accordance with road and traffic conditions and make sure to comply with all road regulations.

NOTICE

Take photos of rear brakes for documentation:

- Remove rear (left/right) brake drums according to Workshop Manual.
- Take photos of rear brake drums and brake shoes for documentation.



Technical Service Bulletin

- Then attach the photos to DOC-IT.

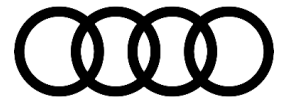
NOTICE

If necessary, explain the following background to the customer:

- There may be a tendency for corrosion and dirt to build up on the brake pads if the car is not being driven very often, or if you only drive low mileages without using the brakes very much.
- If the brakes are not used very often or not used at all, or if corrosion has formed, Audi advises cleaning off the pads and discs by brake firmly a few times from a moderately high speed.
- While braking in this manner, select transmission position N so that recuperation is not used for braking. Make sure not to put any other road users at risk when braking firmly (Drive in accordance with road and traffic conditions and make sure to comply with all road traffic regulations).

Warranty

Claim Type	• 110 up to 48 Months/50,000 Miles. • If the vehicle is outside any warranty, this Technical Service Bulletin is informational only.		
Service Number:	4623		
Damage Code:	0010		
Labor Operations:	Remove and install 2 rear brake drums	4646 2050	See SRT with associated operations
	Check 2 rear brake drums and Take photo as documentation	4646 0299	10 TU
	Remove and install 2 rear brake carriers Includes: Remove and install wheel hubs with bearing Bleed brake system	4615 2099	150 TU
	Installing 2 gaskets for brake back plate	4615 4199	20 TU
	Replace 4 rear brake shoes (If necessary)	4623 5699	60 TU
Diagnostic Time:	GFF	0150 0000	Time stated on the diagnostic protocol (Max 30 TU)
	Road test prior to the service procedure	0121 0002	10 TU



Technical Service Bulletin

	Road test after the service procedure	0121 0004	10 TU
Claim Comment:	As per TSB 2071304/2		

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

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
1EA.609.791.A	Gasket (left-side)	01
1EA.609.792.A	Gasket (right-side)	01

Additional Information

All parts and service references provided in this TSB (**2071304**) are subject to change and/or removal.

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