



Technical Service Bulletin

Brakes squeal

46 07 01 May 21, 2007 2003273/2. Supersedes Technical Service Bulletin Group 46 number 00-01 dated Jan. 5, 2000 to add more models.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
TT	2003 – 2007	All	Not Applicable
A3	2006 – 2007	All	
A4 Sedan	1996 – 2007	All	
A4 Cabriolet	1996 – 2007	All	
A6	1998 – 2007	All	
A8	1997 – 2007	All	
Audi Q7	2006 – 2007	All	

Condition

Complaints of brake squeal.

Technical Background

Production Solution

Not applicable

Service



Note:

Before proceeding with any of the following steps, check the overall condition of the brakes. Verify that the brake discs and brake pads, which will be serviced according to the following procedure, will not reach their wear limit as a result of this procedure.



Warning: Never use compressed air to clean brake dust from a brake system.

The following procedure has proven effective in reducing brake squeal and may be used for both front and rear disc brake systems.

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Brake disc, cleaning

1. With the wheels removed, mark the position of each brake disc in relation to the hub so that the brake discs can be reinstalled in the same position. Work on one brake at a time to avoid mixing up parts.
2. Using a power disc-type sander with an 80 grit sanding disc, clean both sides of the removed brake disc.

This should result in a crosshatch pattern (Figure 1).

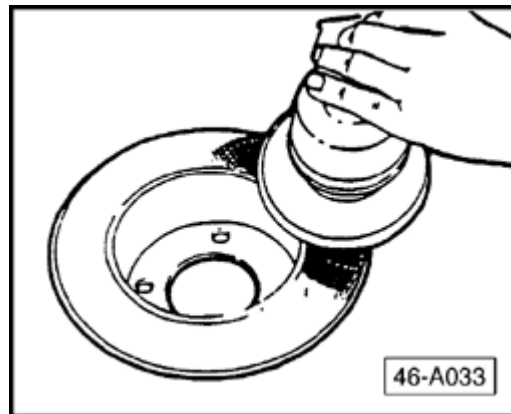


Figure 1. Sanding the brake disc should result in a crosshatch pattern.

3. Lightly sand the brake disc in a clockwise direction using the leading edge of the sanding disc.

Then continue sanding in a clockwise direction using the trailing edge of the sanding disc.



Figure 2. Lightly sand the brake disc.

Brake pad, cleaning

1. Some front/rear brake pads may have an adhesive (sticky) backing, which helps adhere the brake pad to the brake caliper. If the vehicle is equipped with this type of a pad, remove this sticky backing and any residual adhesive from the baking plate of the brake pad and brake caliper. Some front/rear brake pads have an anti-vibration backing plate (non-sticky). Do not remove this type of backing.
2. Clean face of the brake pad with sand paper.

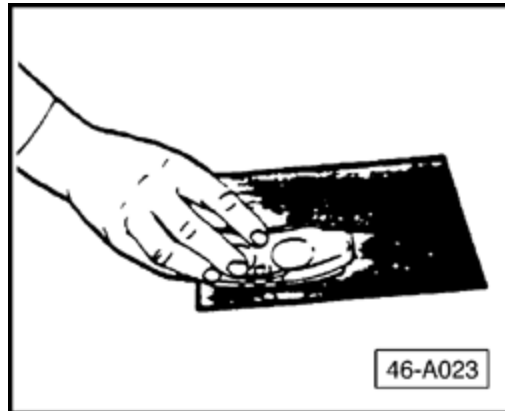


Figure 3. Clean face of the brake pad with sand paper.

3. Slightly chamfer edges of brake pads with a file.

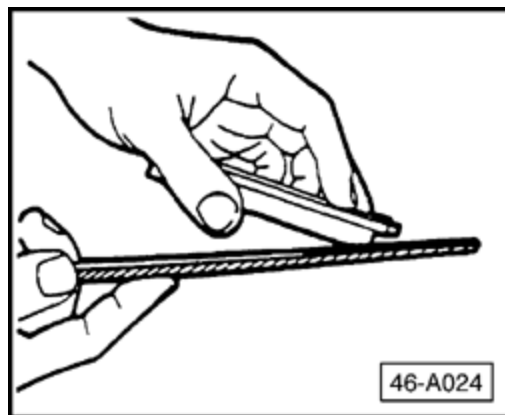


Figure 4.

Brake caliper, cleaning



Note:

The following steps require a thin coat of Plastilube Moly3® high temperature grease to be applied to various parts of the brakes. This grease must *never* come in contact with the braking surface of the brake pads or brake discs.

1. Thoroughly clean all contact points (Figure 6) where the brake pad backing plate makes contact with the brake caliper and/or the brake carrier.

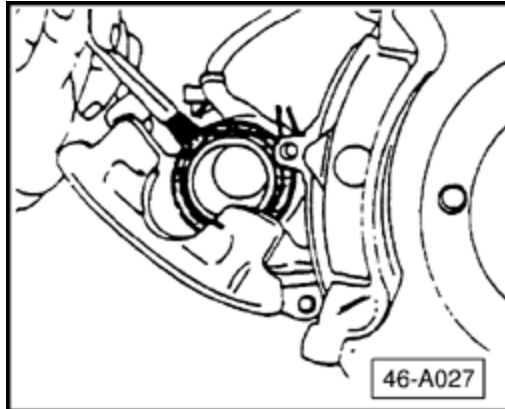


Figure 5. Clean the contact points.

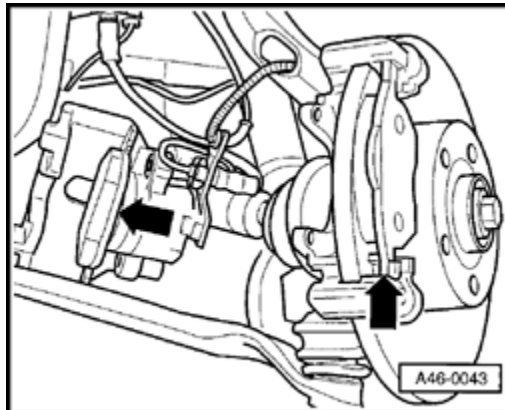


Figure 6. The contact points.

Reassembly

1. Reinstall brake discs in their original position. (See *Brake disc, cleaning*, Step 1.)
2. Prior to reinstalling the brake pads, apply a thin coat of Plastilube Moly3® high temperature grease to all contact points (Figure 6) where the brake pad backing plate makes contact with the brake caliper and/or the brake carrier.
3. For brake pads that have springs (common on rear brake pads), apply a thin coat of Plastilube Moly3® high temperature grease to the springs where they make contact with the brake caliper.

Warranty



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When procedure applies to vehicles within the New Vehicle Limited Warranty, use the following:			
Claim Type:	W2		
Part Identifier:	Front - 4636 Rear - 4638		
Damage Code	Front - 4636 10 002 1 Rear - 4638 10 002 1		
Labor Operations:	4636 32 00	Brake pads, front - convert	90 TU
	4638 32 00	Brake pads, rear - convert	100 TU
Diagnostic Time:	No Diagnostic Time Allowed		
Claim Comment:	As per TSB #2003273/2		
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

Part Number	Part Description	Quantity
ZVP 264 103	Plastilube Moly3®	

All part and service references provided in this TSB are subject to change and/or removal. Always check with your Parts Dept. and service manuals for the latest information.