



Technical Bulletin

Subject: **Brake Squeal**

Group: **46**

Number: **97-01**

Model(s): **All with disc brakes**

► **1998**

Date: **Nov. 25, 1997**

Supersedes T.B. Group 46 Number 94-01 dated August 1, 1994

Condition

Customer expresses concerns about brake squeal.

Service

Brake squeal is mainly the result of vibrations between components of the brake caliper assembly.

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

Note:

- *Illustrations used in this Bulletin are generic. Actual component design will vary between different models and model years.*
- *Only use Plastilube Moly 3[®] high temperature grease, Part No: ZVP 264 103.*

CAUTION!

Part numbers are for reference only. Always check with your Parts Dept. for the latest parts information.

CAUTION!

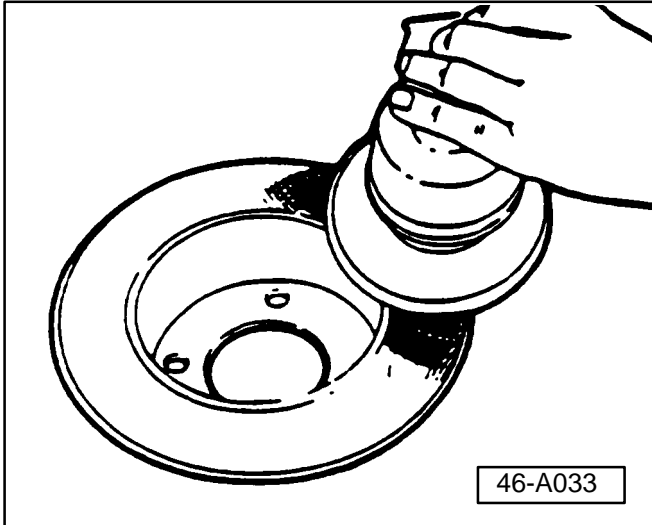
Never use compressed air to clean brake dust from a brake system.

- Remove wheels, disassemble brake caliper and remove brake discs, ⇒ appropriate Repair Manual for model vehicle you are working on.

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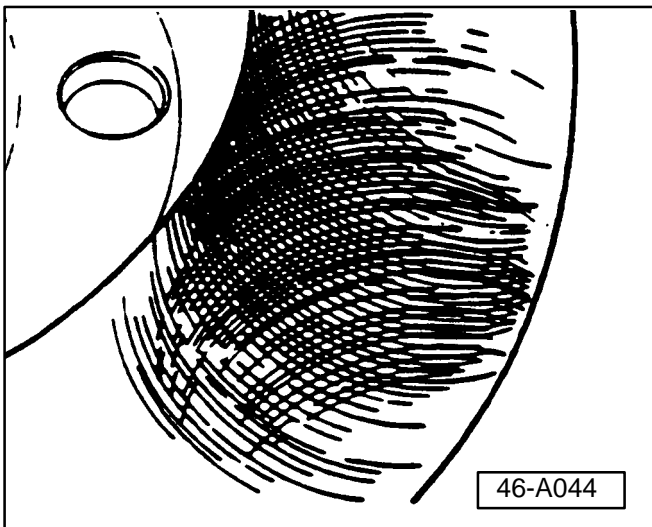
Brake discs, cleaning

Clean brake discs using a power disc-type sander with 80 grit sanding disc.



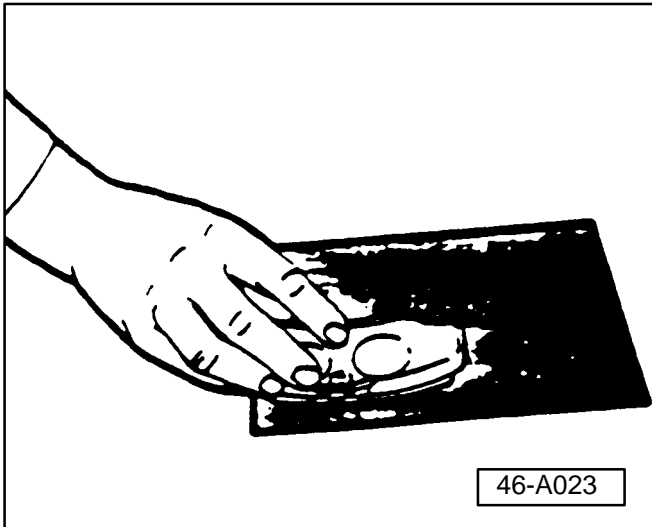
◀ Sand brake discs as follows:

- Lightly sand rotor in a clockwise direction using the leading edge of sanding disc.



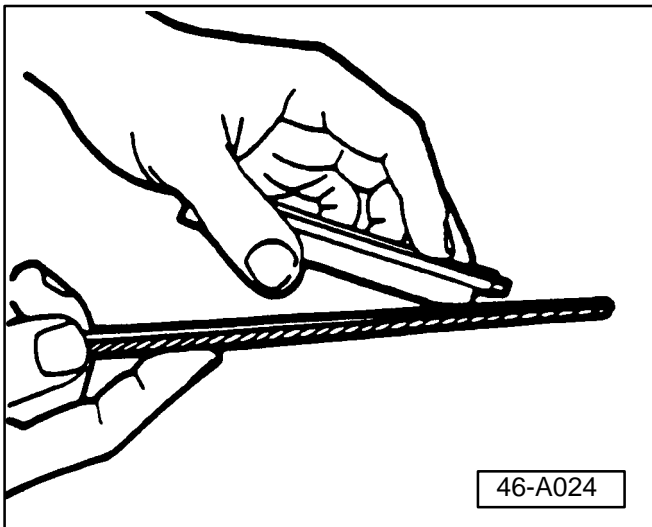
- To achieve a cross hatch pattern, continue sanding in a clockwise direction using the trailing edge of sanding disc.

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Brake pads, cleaning

- ◀ – Deglaze and clean face of brake pads with sand paper as necessary



- ◀ Slightly chamfer (bevel) edges of brake pads with a file.

Note:

Some front/rear brake pads were supplied with an adhesive (sticky) backing which helps adhere brake pad to the brake caliper housing and/or brake carrier.

If vehicle is equipped with this type of pad, remove this (sticky) backing and residual adhesive from brake pad and brake caliper housing and/or brake carrier.

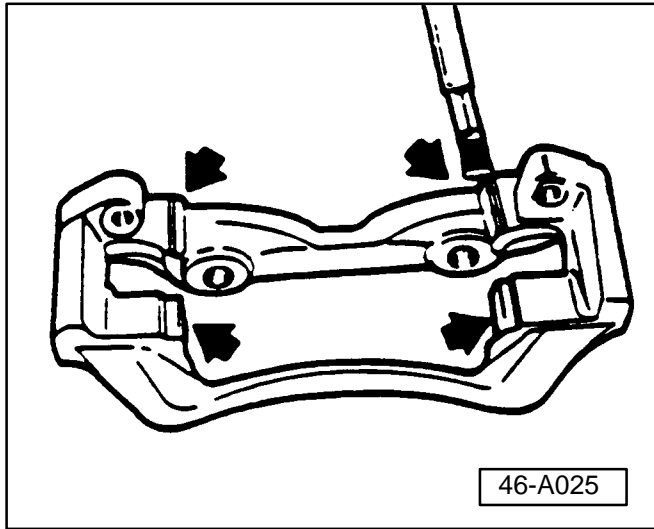
Some front/rear brake pads are supplied with an anti-vibration backing (non-sticky). Do Not remove this type of backing.

- Clean brake pads using a suitable cleaning method.
- Apply a thin coat of Plastilube Moly 3[®] high temperature grease to the back of the brake pads.

CAUTION!

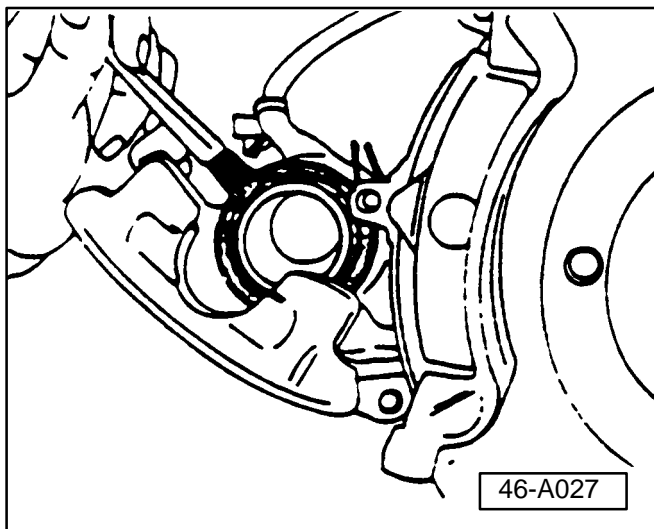
Plastilube Moly 3[®] high temperature grease must not come into contact with the braking surface of the brake pad or the brake rotor.

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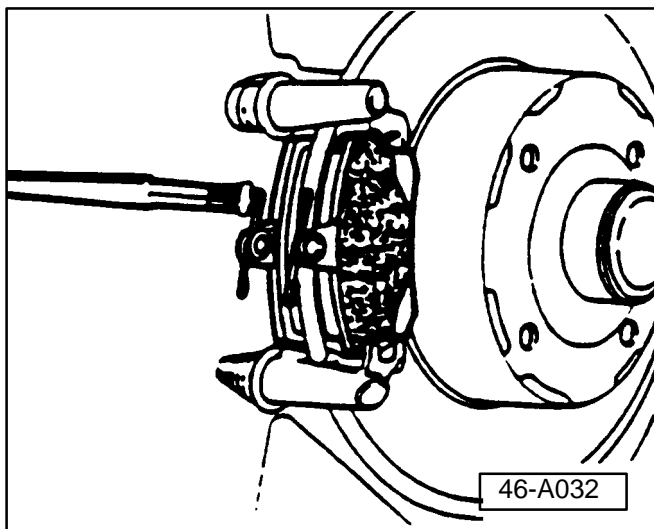


Brake calipers, cleaning

- ◀ Clean brake pad carrier contact points –arrows– and apply a thin coat of Plastilube Moly 3[®] high temperature grease to these points.



- ◀ – Clean caliper piston to brake pad contact surfaces and apply a thin coat of Plastilube Moly 3[®] high temperature grease to the contact surfaces.
- Reinstall brake rotors.



- ◀ – When reassembling the brake calipers, apply a thin coat of Plastilube Moly 3[®] high temperature grease to all spring contact points.

CAUTION!

Do not allow Plastilube Moly 3[®] high temperature grease to come into contact with the braking surface of the brake pad or brake rotor.

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- Reinstall brake calipers and wheels.

When procedure applies to vehicles within The New Vehicle Limited Warranty, use the following:

Front brakes:

Part Identifier: 4636

Labor Operation: 4636550 90 TU

Rear brakes:

Part Identifier: 4638

Labor Operation: 4638660 110 TU