

# Technical Information



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## Brake assembly in four steps with the brake kit

When assembling new brake pads or repairing brake systems, it is essential that all components are cleaned professionally and that the appropriate lubricants are used at the required places if the brake system is to work perfectly and be safe. Cleaners and pastes developed by LIQUI MOLY specially for this purpose guarantee reliable lubrication, separation and protection against corrosion even under extreme pressures and temperatures.



## Preparation for brake assembly or repair

### Problem:

Wear on the brake pads produces brake dust that then collects on the brake system. This must be removed before working on the brake system or replacing the brake pads if trouble-free operation is to be guaranteed.

Important: Do not use the compressed air gun to remove the brake dust! When whirled up, the particles are extremely harmful to health.

### Solution:

The Rapid Cleaner is suitable for cleaning engine parts, drum and disk brakes, pads, tools, oil pans, etc.



### Properties:

- chlorine- and acetone-free
- dissolves resin and tar-type residues
- removes oil and grease-based contaminants
- 98 % active components
- evaporates quickly, leaving no residue
- for universal application

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## Problem: Squealing brakes

Brake pads are generally assembled in the factory without a high-temperature paste between the contact faces of the brake pad carrier. This causes the carrier to jam in the braking process due to insufficient lubrication, which in turn leads to vibrations that become audible in the form of squealing. This can be resolved by applying Brake Anti-Squeal Paste to the contact faces of the brake pad carrier. Thereby preventing jamming, keeping the carrier movable and making squealing a thing of the past.

**Other reasons** for squealing brakes include:

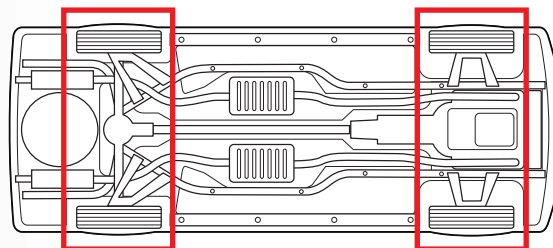
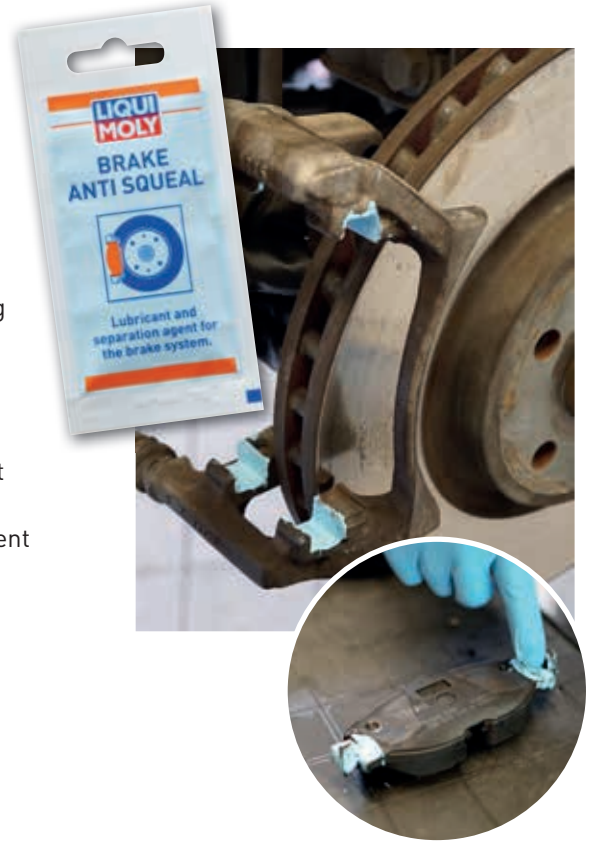
- brake pad is at its wear limit
- brake system is near the end of its life
- brake pads were not assembled properly
- poor quality of the brake pads

## Solution:

The Brake Anti-Squeal Paste guarantees that the brake pads work smoothly.

## Properties:

- eliminates squealing noises
- outstanding temperature resistance
- resistant to road salt and splash water
- outstandingly adherent
- good corrosion protection



**Each container is sufficient for one axle.**

## Problem:

Particularly in winter or in areas with high humidity, corrosion occurs between the wheel hub and the rim due to (salt) water. In many cases this means that the rim can only be detached from the hub with great force.

The problem can be remedied by applying wheel hub paste when assembling. This prevents corrosion, enabling the rim to be detached quickly and easily even after a long period of time.

## Solution:

The Wheel Hub Paste prevents corrosion and oxidation between the rim and wheel hub.

## Properties:

- outstanding corrosion protection
- optimal separating effect
- outstandingly adherent
- resistant to road salt and splash water
- outstanding temperature resistance
- extremely low friction coefficient



## Swollen rubber components of the brake pin

### Problem:

As the brake system ages or if the sealing sleeve suffers damage, the pin of the brake caliper becomes increasingly immobile. This means that the full braking force cannot be generated, so that the brake pads wear at uneven rates.

To counteract this problem, the pins of the brake caliper should also be cleaned and relubricated when the brake pads are replaced. However, care must be taken to ensure that the correct lubricant is used.

### Solution:

The Grease for Brake Pins guarantees the best possible mobility of the brake pins of the brake caliper



### Properties:

- excellent compatibility with elastomers and plastics
- very good adhesion properties and good resistance to water
- good pressure absorption capacity - has a damping effect and reduces noise
- ensures low friction coefficients and good wear protection
- reliable protection against corrosion



The illustration provides a striking example of what happens if the wrong grease is used. The rubber component swells up, reducing the braking power and causing the brake to seize.

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