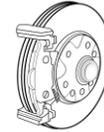


## Brake Replacement Tips

### 1. Starting point:

It is important any defective or worn parts to be replaced.  
Visually check the brake disc, pads and all relevant components in the axle and the hydraulic system for any sign.

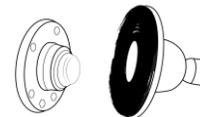


### 2. Rust removing:

Remove rust from the contact surface and the hub edge after dismantling the old brake discs. Use suitable tools (e.g., paper sand, wire brush, etc.).

⚠ Make sure not to damage the wheel hub.

Make sure the caliper which is still connected to the hydraulic system, to be fastened and no tensile load is exerted on the brake hose.



### 3. Hub and contact surface cleaning:

Clean the bright metal contact surface using a brake cleaner.



### 4. Rust removing from the guide shafts of the caliper bracket

Remove rust and residues from the guide shafts of the dismantled caliper bracket. Use a wire brush or brake caliper file.

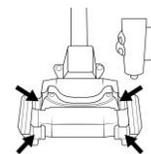
⚠ Check visually to make sure for no damage on caliper bracket.



### 5. Using grease for guide surfaces

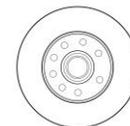
Grease the cleaned guide surfaces of the caliper bracket with a heat-resistant, non-conductive, and solids-free (non-metallic).

⚠ Do not use copper paste.



### 6. Brake disc fitting

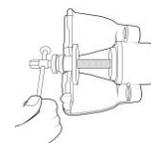
Fit the new brake disc on the wheel hub and fasten with the retaining screws.  
Measuring the newly fitted brake discs for lateral run-out approx. 15 mm below the maximum radius using a dial gauge recommended.



### 7. Brake piston moving back

To prevent the piston jamming or twisting, the brake piston must always be moved back using suitable adjusting tools.

⚠ Make sure to use an appropriate tool for different versions of the caliper and/or the brake system. Manufacturer-specific requirements and special tools should be observed.



### 8. Contact points greasing

Metal free anti-squeal lubricant is not required where damping lacquer coatings or damping shims are fitted.

Lubrication is only vital in the contact points of the pad and on the guide shafts so use the metal free anti-squeal lubricant in the area of contact of the pad on the guide shafts.

⚠ The torque settings and guidelines of the vehicle and system manufacturers are to be observed in all steps of the repair process.

