



PAGID

BRAKE SYSTEMS

| BRAKE CALIPERS



CONFIDENT WHEN IT COMES TO SAFETY

BRAKE CALIPERS ALWAYS UNDER PRESSURE

Brake are what we do. Customers therefore expect HELLA PAGID to offer a range of products that cover all the bases. When it comes to brake calipers, we live up to these expectations by currently offering a line of over 200 new parts and 1,400 replacement brake calipers with one, two and four-piston arrangements. All components receive anti-corrosion protection

and, if required, are supplied with the required accessories (plug and play). Each year, we expand our portfolio to include up to 100 new products. HELLA PAGID therefore caters to the ongoing further development of the market and the continually changing needs and requirements of our customers.

RECYCLING

By reconditioning used brake calipers, we make a positive contribution toward being kind to the environment and using resources responsibly. To this end, we leverage the return of used parts from the market.

Good for customers and the environment

With our service for reconditioning used parts for depreciated vehicles, we offer garages and drivers alike a cost-effective alternative, especially when you consider the fact that our professional reconditioning program meets ultra-high requirements when it comes to quality and safety.

At the same time, our reconditioning and reuse of valuable used parts and components actively contributes to protecting the environment:

- Protecting resources
- Recycling raw materials
- Reducing energy and material consumption
- Reduction in CO2 emissions
- Saving on new parts
- Avoiding waste

Reconditioning process in line with strict requirements

The topic of brakes is indisputably linked with safety, and it is in this context that we make no compromises. As such, the same strict requirements that apply to a brand-new product also fully apply to a reconditioned used part.

This is why at HELLA PAGID, reconditioned brake calipers are subjected to a highly certified reconditioning process that comprises the following steps:

1. The used part is dismantled into its individual component parts.
2. All safety-relevant parts are replaced.
3. Wear parts such as rubber components and springs are all replaced.
4. All cast and aluminum housings suitable for reconditioning are derusted and cleaned.
5. After the cleaning process is complete, all single and miniature parts are reassembled.
6. A thorough quality and function check is then carried out.



Brake calipers – Not your standard product:

Only when the components of a brake caliper have been carefully selected and harmonize perfectly is it possible to ensure that the unit operates as intended.

This is why HELLA PAGID safeguards the highest quality and maintains the strictest standards for the up to 50 components of a brake caliper.

DID YOU KNOW ...

... that the pressure that acts on a brake caliper during emergency braking is roughly 4.5 times the pressure of a jackhammer?

KNOW-HOW

Repairing brake calipers requires a professional and precise approach to ensure that full operative functionality is restored to the repaired brake system.



Preparing the brake caliper anchor bracket for assembly

The recommended way to do this is to remove the anchor bracket and clamp it in a vice.

- Clean the anchor bracket with brake cleaner
- Carefully remove any corrosion on the guide surfaces using a wire brush or file



Clean and check the guide screws

- Check the threads
- Damaged screws must be replaced

After cleaning, grease the contact surfaces of the guide screws with a thin coating of grease. Use only a silicone-based grease in this area.



Installing the brake caliper anchor bracket

- Insert screws and tighten
- Observe the tightening torque!

Finally, apply a thin coating of non-conductive, non-metallic anti-squeal paste to the clean contact faces of the caliper anchor bracket.



Mounting the brake caliper

- Mount the brake caliper and fasten with the guide screws.
- Reattach the brake hose and wear indicator cable in the combination holder
 - Insert the retaining spring

Note:

Observe tightening torque!

Warning:

The dust protection boot of the brake piston, the safety plugs and damping sleeves of the caliper guide must not come into contact with oils or greases based on mineral oil. They could be damaged due to swelling of the elastomers.

The schematic illustrations, pictures and descriptions are for explanation and presentation of the document text only, and cannot be used as the basis for carrying out the repair.

Repair work to brake systems may only be carried out by qualified specialists.

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