

Features of improperly reconditioned ECO Disc brake calipers

PLEASE NOTE THE FOLLOWING:

- ! Opening the brake caliper housing will invalidate any BPW warranty.
- ! Removal of the BPW type plate will remove identification of the caliper type and Type Approval information.



Replication endurance testing; market surveillance of, for example, prematurely malfunctioning lever bearing



Original BPW brake lever after an endurance test

The brands of the BPW Group:



ERMAX®



HESTAL



IMPORTANT INFORMATION: AFTERMARKET RECONDITIONED BPW BRAKE CALIPERS

What you as the vehicle operator should know



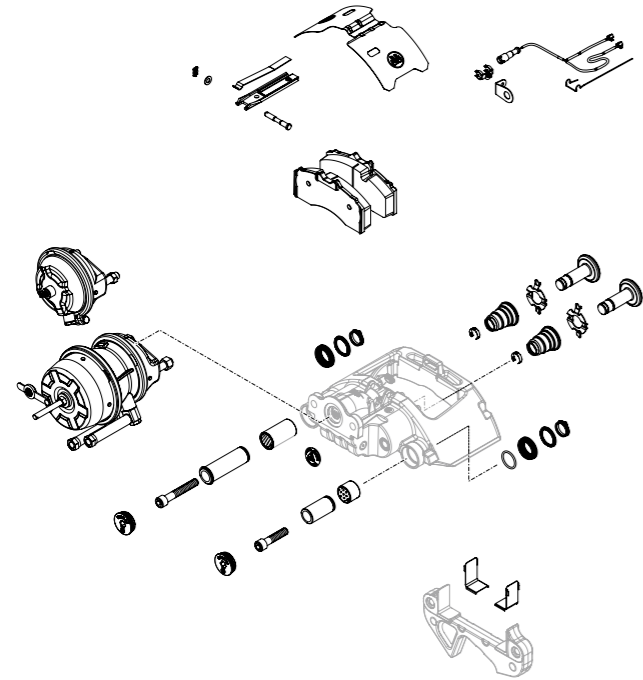
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Replacement parts of the ECO Disc

In common with all our parts, the BPW brake caliper type TSB is extremely easy to service: it consists of approximately 70 components, of which, during a service, around 40 must be checked and, if necessary, replaced. Correct maintenance of these external parts will ensure that the correct operation of the caliper will be maintained along with the expected performance of the vehicle braking system.



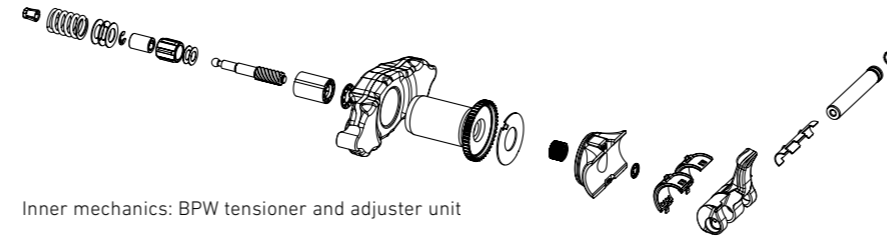
- User replaceable spare parts that maintain the life of the brake caliper

BPW supplies spare parts in carefully selected spare part kits for regular caliper servicing.

Regular servicing of BPW brake calipers by a specialist workshop ensures that long life expectancy and functionality are maintained.

Critical for safety: the core of the BPW disc brake

The way in which the inner components work together forms the core of the brake force initiation. They are situated in the sealed brake caliper housing and are well protected.



Inner mechanics: BPW tensioner and adjuster unit

The demands on the internal components of the BPW caliper are exacting: they must ensure the smooth transmission of braking effort to the brake pads and carry out adjustment of the brake for the increasing wear of the brake pads. These internal components of the brake caliper are deliberately not offered by BPW as spare parts because the assembly, alignment and cleanliness of the internal system is essential for the safe and linear operation of the braking system.

THE BPW EXPERTISE IS:

- Coordinating the response time of the components with one another.
- continuous development of the caliper components to ensure harmonized performance through the whole system.
- Narrow tolerance zones in interaction with the inner braking mechanics.
- Fully automated assembly process with final 100% test to the highest automotive standards.

The dangers of reconditioning of the ECO Disc brake caliper

Reconditioners market BPW ECO Disc brake calipers, referred to as 'remanufactured', 'reconditioned', 'overhauled' or 'refurbished', which usually do not correspond to what customers expect from them. As an original equipment manufacturer, BPW is obligated to observe the market and to warn against incorrect applications, plagiarism and so-called fraudulent labelling.

For the protection of the vehicle operator, BPW has taken out patents in many markets to ensure that non-authorized dealers cannot use plagiarised components. Should, despite this, a reconditioning to the interior of the caliper take place, this is carried out only with dismantled and, usually, cleaned old parts. It is therefore understandable that these functional components do not have a high life expectancy; they can be regarded as purely cosmetic.

In other cases, copied parts are used, whose characteristics and material specifications (or dimensional tolerances, hardness, surface qualities) are often not in line with BPW's safety specifications, which can therefore lead to premature breakdowns. In countries where the patents registered by BPW are valid, not only are the dealers of these parts, but also the importers and vehicle operators, liable to prosecution. BPW therefore recommends the use of new original BPW brake calipers. With brake calipers that have been reconditioned without the use of original parts, there is no guarantee that they are safe to be used for a second life in the vehicle.