

NEW PRODUCT HIGHLIGHT | JAN2023



Blue Print

LH ADBP450000 RH ADBP450001

LH ADBP450014 RH ADBP450015

To fit:

Fiat Talento 2, Nissan NV300 & Primastar 1,
Vauxhall Opel Vivaro A & Vivaro B, Renault
Trafic 2 & Trafic 3



Rear brake caliper

Function

The rear brake caliper is one of the main functional parts of a vehicle's braking system. It is either operated hydraulically when the service brake is used, or mechanically when the parking brake is applied. Using hydraulic or mechanical pressure to apply force to the back-plate of the brake pad creates a 'clamping' force for the friction material against the rotating brake disc.

Cause of failure

The brake caliper article numbers listed above fit a number of popular light commercial vehicles which all have similar issues. The inability to rewind the piston in the brake caliper during a brake pad replacement, the inner brake pad material wearing quicker than the outer pad, and an ineffective handbrake are some of the symptoms of a seized brake caliper.

Constant exposure to the elements, road debris and hot & cold heat cycles can lead to the splitting of the protective gaiter that protects the caliper piston - allowing water and grit to ingress and 'score' the piston. This causes the piston seal to deteriorate, letting fluid leak past it. The seal for the handbrake lever, which passes through the housing, is also prone to a similar issue - resulting in ineffective brake operation.

The screw and adjustment mechanism for the handbrake operation can become contaminated with debris and seize, leading to an ineffective parking brake.

For more technical information please visit: partsfinder.bilsteingroup.com