

# NEW PRODUCT HIGHLIGHT | JAN2023

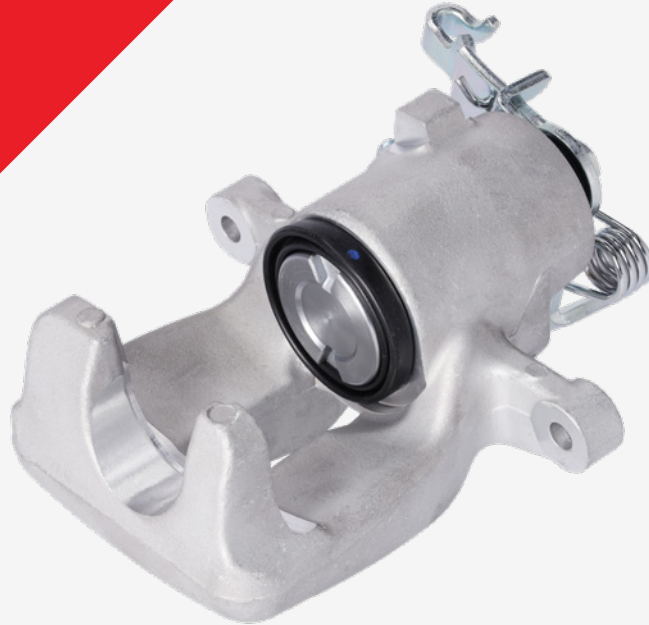


## febi

LH - 178061, 178049,  
178106, 178962

RH - 178063, 178050,  
178107, 178963

To fit:  
various Volkswagen, Audi,  
SEAT and Škoda models



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## 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 range of popular Volkswagen, Audi, SEAT and Skoda models which all have similar issues. The inability to rewind the piston in the brake caliper during a brake pad replacement, noise when braking, and an ineffective handbrake are some of the symptoms of a seized brake caliper.

Exposure to the elements and road debris 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, leading to fluid leaking 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.

When replacing a faulty brake caliper, the metal brake pipe (LHR - 172799, RHR - 172798) that fits between the caliper and the flexible brake hose can fracture during the removal process. It is therefore advisable to replace the metal brake pipe, as well as acquiring a spring retaining clip (19520) for the pipe.

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