

THE BRAKING NEWS



WHY HARDWARE IS IMPORTANT

An often overlooked aspect of a brake job is the brake hardware. The Brake Report took a dive into this issue and found data that supports this theory. In the article, an independent lab determined that after 35,000 miles, the brake clips that were tested were outside of the OEM tolerances and would not perform as intended (The Brake Report, 2018). This shows that even on the first brake job a vehicle receives, if the original hardware is left on, it can lead to additional noise and uneven pad wear. The Brake Report also references another study where Consumer Insights Inc found that only 20% of people receiving new brake pads replace the hardware. However, 80% of those same people would replace the hardware at the time of installation if their technician recommended it (The Brake Report, 2018).



With this in mind, quality manufacturers have started to include hardware with their friction to optimize performance. Raybestos, for example, includes critical hardware like abutment clips, piston clips, spreaders, anti-rattle springs, and mechanical wear sensors where applicable.

Raybestos
The best in brakes®

Not only is it important to replace the hardware, it is also important to pick a manufacturer that uses high-quality hardware. If the hardware does not fit properly, or if a cheaper, low-quality hardware material is used, it can lead to premature wear, noise, and other issues with the braking system. Abutment hardware is critical for proper caliper operation.

Raybestos has strict policies for the hardware that is provided with their friction. All hardware pieces are engineered and designed with quality in mind. The fit, form, and function is always the top priority for Raybestos hardware. During the development stage, it is key to remember that the hardware affects how various product types work together. This is a standard in the Raybestos hardware development process. It is critical that the whole braking system on a specific application works together for optimum performance.

Another crucial point is that Raybestos utilizes a top-of-the-line material. All Raybestos hardware has premium-quality 301 stainless steel material for high corrosion resistance. The cheaper 201 material, used by competitors, cannot be detected by appearance, but uses less nickel making it more prone to premature rusting and corrosion.



201 Grade Stainless Material
After 96 Hour Salt Spray Test
Shows Rust and Corrosion



301 Grade Stainless Material
After 96 Hour Salt Spray Test
No Rusting or Corrosion

The Brake Report. (2018, May 14th). Research Shows Hardware Should Be Replaced with Every Brake Job. The BRAKE Report.A

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