



wheel end

Bendix® Actuation Products

Bendix® SB-4™ Spring Brakes –
Dependable, Reliable.

Quality is more than skin deep!



When it comes to corrosion protection, there's more to consider than just the outside of your spring brake. Reliable emergency spring coating and effective internal component corrosion resistance are the keys to long spring brake service life . . . *and the competition simply doesn't deliver.*

Get the facts before you buy:

- FACT:** The emergency spring is the source of over fifty percent of all spring brake failures.
- FACT:** Corrosion weakens the emergency spring. After cycling with forces in excess of 2,500 pounds, stress fractures may occur, resulting in premature spring failure.
- FACT:** A durable epoxy coating that won't chip or wear away with each brake application is critical to help you avoid costly downtime and unwanted repair or replacement.

Unlike the low price models on the market today, Bendix® brand spring brakes are designed for extended service. Every Bendix spring brake offers superior corrosion protection in the critical emergency spring, plus less component clash and better spring centering.

Bendix spring brake chambers are precision engineered and quality built for long life in all environments. With Bendix, you get less downtime, less brake maintenance, and lower overall brake costs . . . something the competition just can't live up to.

Take a closer look. The reverse side of this document demonstrates that the details do make the difference.



Excessive premature coating wear on this competitor's emergency spring resulted in stress fractures, a major factor in spring failure.

Compare the Designs

In comprehensive testing conducted by Bendix Spicer Foundation Brake LLC from March 2007 – March 2008, our engineers compared the performance of the Bendix® brand spring brake to a low price competitor. The reliability test, conducted on units randomly purchased off the shelf, subjected the spring brakes to 96 hours of real world environmental conditions and over 20,000 emergency brake cycles.

Even the smallest detail in spring brake manufacturing can, and often does, jeopardize the long-term reliability of your emergency braking system . . . not the place where you'd consider cutting corners. While they may appear similar on the surface, the construction and performance of these spring brakes are drastically different. Take a closer look.

Ranger Brand Spring Brakes by HD Proline



- Ranger's spring brake consists of a thin, concave pressure plate with no rust protection.
- The small diameter centering feature can result in parking force variability and excessive wear on the center seal.

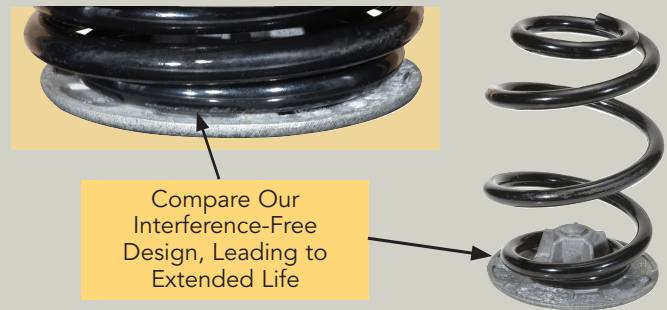


- When the parking brake is released, the raised lip of the steel pressure plate in the Ranger spring brake can clash with the emergency spring and scrape off the corrosion protection.
- Worn or chipped coating exposes the steel spring to the elements, leading to the accelerated corrosion which can lead to stress fractures in the emergency spring. The result is a broken emergency spring and reduced, or no emergency force.

SB-4™ Spring Brakes by Bendix



- The SB-4™ spring brake features a robust, flat, cast aluminum pressure plate that will not rust and weaken over time.
- The centering feature found in every Bendix spring brake is designed to minimize spring misalignment. The result is a more consistent, reliable force and less wear on the center seal.



- The Bendix cast aluminum plate is precision engineered to optimize spring alignment and completely eliminate component clash.
- The protective epoxy coating used on the emergency spring within the Bendix spring brake remains intact, offering extended corrosion protection and superior overall reliability.

Ride with confidence. Stop with confidence. Use Bendix® brand spring brakes.

Bendix brand spring brakes – assembled in the USA – are standard equipment on top axle, suspensions and trailer OEMs and available as an option on many others. Quality and performance count, so make your next spring brake spec Bendix.

For the name of the authorized distributor nearest you talk to your Bendix representative, or call us at 1-866-610-9709, or visit www.foundationbrakes.com.



Bendix Spicer
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