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Business Hours: M-F, 9:00am – 6:00pm

TWISTED SPRINGS – Dual Rate Spring Kits

Multi-Rate spring systems are widely used throughout the industry by all major shock manufacturers. They also come standard on some OEM applications, but are not common due to the increased cost to produce.

The multi-spring assemblies utilize a connecting hardware that uses the shock body as a guide to keep the springs aligned during compression. Over time, this sliding action can show signs of cosmetic wear. This wear does not damage the structural integrity or functionality of a shock. Wear to sliding surfaces can vary depending on the application of use. For example, on snowmobile applications, the front ski shock will show little to no signs of wear as opposed to a center shock that's in an environment with more grit and floating debris.

A dual rate spring system is a performance upgrade that adds progression to the suspension. This is much needed to broaden the range between large and small bump handling, i.e. maintain a comfortable ride with less bottoming. This upgrade may not be suitable for the particular users concerned more with cosmetic performance than improvements gained in handling and control.