The Preferred Global Supplier of Spring Solutions for Automotive Applications

A Vulcan Spring Case Study

INDUSTRY: Automotive

VULCAN SPRING PRODUCT: Constant Force Spring
Challenge
After already requesting and approving a design, an automotive customer realized that the spring end detail created interference with an HVAC blower vent resulting in noise and uneven air flow. The customer proposed a complete redesign to the end of the spring that would have required a new tool and long lead times.

Solution
Vulcan was able to make a quick design suggestion to shorten an area of the spring with no impact on function. Within just 5 days, our secondary production manufactured parts to a new marked-up print that quickly received customer approval. Our team was able to expedite the tooling required due to our in-house machine shop capability.

Results
The customer was able to save over $15,000 in upfront costs as well as 8 weeks of possible line down time. The original production schedule was not impacted at all.
Rapid Custom Spring Solutions for Automotive & Transportation Applications

With extensive experience working with Tier 1, Tier 2, and other automotive sub-suppliers, we partner with engineers, contract manufacturers, and designers to aid in the critical design and production of automotive interior components for all levels of vehicle trim. Certified to international quality standards and verified through extensive testing and measurement, we have the capabilities, experience, and bandwidth to custom-build your spring designs with the shortest lead times possible.

The Right Team for Complex Automotive Interior Spring Challenges

• Strong force or torque output, even in small spaces
• High-volume production capabilities
• Development assistance to ensure optimal design and function before manufacturing
• Linear force and rotational torque springs are available in custom and stock configurations

About Vulcan Spring

Vulcan Spring is the preferred global supplier of medium- and high-volume custom spring solutions, headquartered in Telford, Pennsylvania. With innovative machinery, tooling, and engineering, we deliver spring solutions for the most challenging applications. For industrial equipment, medical devices, POP displays, and beyond, we provide quality, industry-leading spring production and assembly while streamlining your experience from concept to delivery.

Contact us with questions or about a custom need. Our responsive and helpful team is standing by.

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