



## Customize Your Motorcycle's Ride Height with Bimba's Air-Driven Hydraulic Cylinder

### Challenge:

A customer in the recreational vehicle industry needed a device that would allow riders to adjust the height of their motorcycle, while providing a balanced ride. This required a design that could fit into a small space, utilize the existing compressor found on most motorcycles and provide weather-resistant construction.

### Solution:

Bimba engineers were able to develop a strong, durable cylinder constructed from heavy duty stainless steel and a self contained, air driven hydraulic cylinder. This solution offered a much smoother dampening than the typical compressible air and spring designs. This system also allowed the rear fender to have a tire hugging profile when parked or cruising, or a raised profile for suspension travel on rough roads.



### Benefits:

- Heavy duty external stainless steel construction.
- Adjustable dampening design for custom feel.
- Smooth, high-performance ride compared to air.
- Available in almost any size or shape.

### Other Applications:

- Air/Oil Circuits
- Rate Controls
- Feed Systems