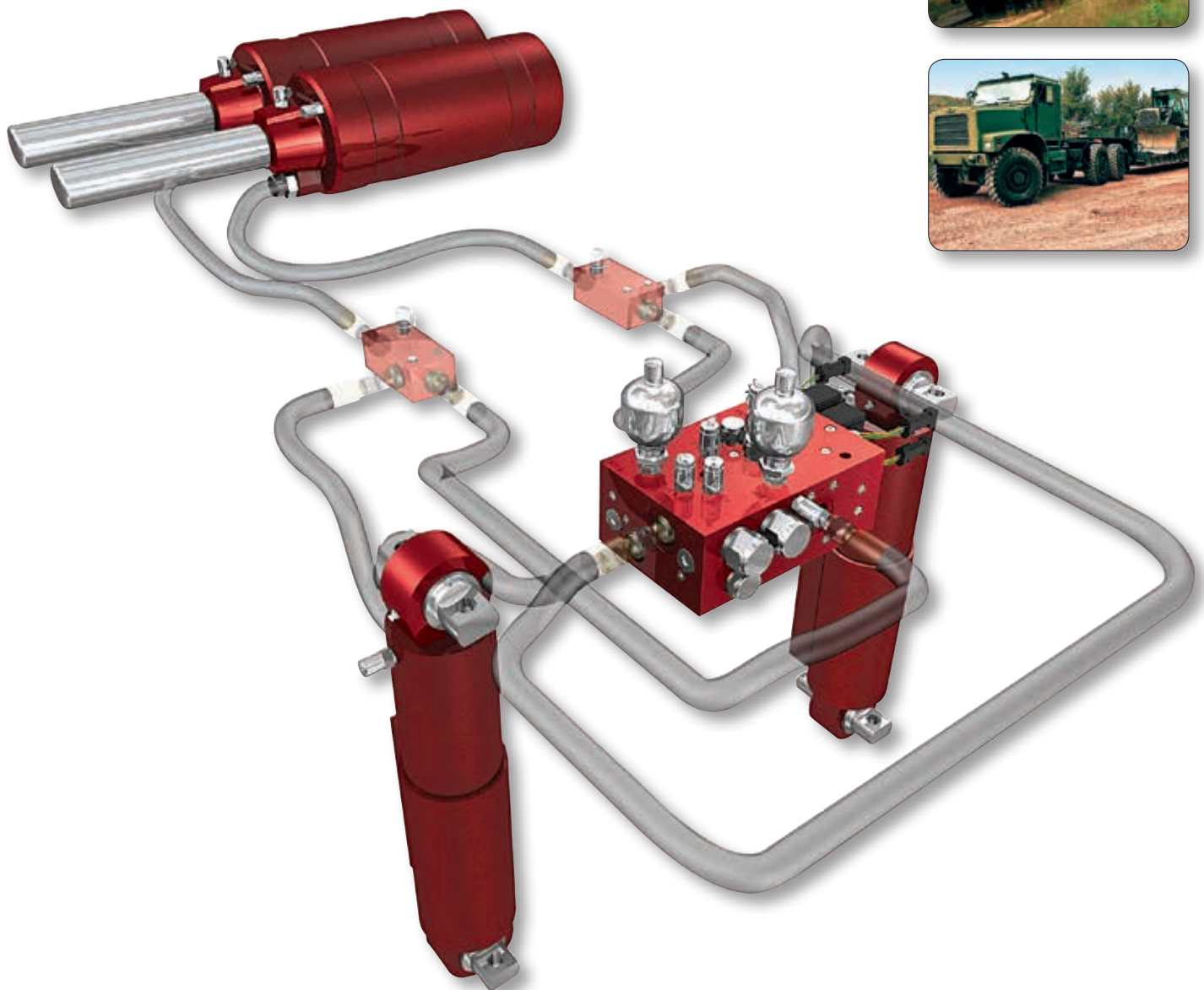




Hydro-Pneumatic Suspension System

- Maximize mobility
- Maximize driver comfort
- Maximize durability

Across the globe, Hendrickson is known as a proven manufacturer of reliable, heavy-duty suspensions that feature best-in-class ride and handling characteristics for severe military and commercial applications.



To learn more about Military Suspension Products, call 630.910.2800 or visit [www.hendrickson-defense.com](http://www.hendrickson-defense.com)

**HENDRICKSON**  
*The World Rides On Us®*

# Premium performance and rugged durability

The patented technology in Hendrickson's HHP™ Hydro-Pneumatic™ Suspension provides severe off-road vehicles with superior ride quality, handling, stability and durability with low maintenance requirements. The use of hydraulic spring cylinders combined with advanced hydraulic piston accumulators reduces vibration and harshness to the chassis and body equipment, providing a smooth ride and helping extend the life of the vehicle. The HHP system has been proven in a variety of demanding military applications to provide premium performance and rugged durability.

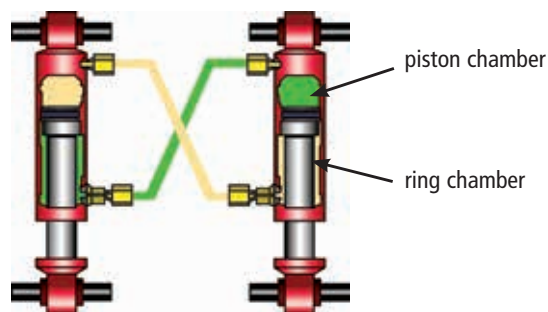
## Features and Benefits

### Suspension System Benefits / Capabilities

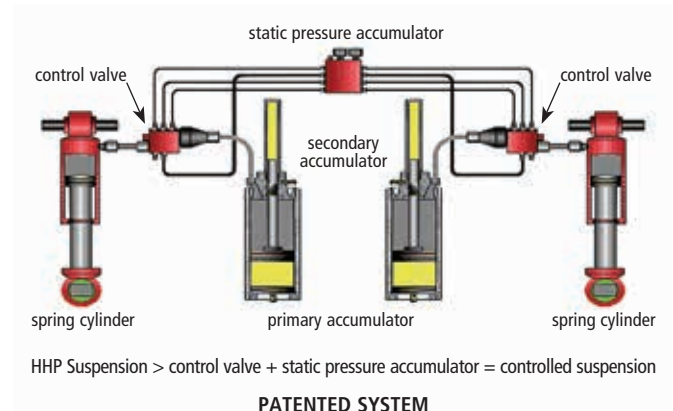
- Provides superior ride quality in demanding load conditions
- Provides controlled, load dependent damping
- Improves vehicle handling
- Increases roll stability
- Provides raising and lowering capabilities
- Multiple ride height capability
- Provides blocking capability
- Adaptable to multiple axle combinations
- Adaptable to multiple load range requirements, increasing payload capability

### System Performance

- Performance similar to fully active suspension with semi active technology (closed system)
- Power only used to level vehicle due to changes in payload
- No power (fuel) consumption due to closed system
- Hydraulic power obtained from vehicle pump and tank systems
- No excessive heat generation



CROSS-Control



### Advantages of the CROSS-Control

- Load balance between vehicle sides
- High stabilization by control of the spring cylinder—piston chamber of one side to the ring chamber of the other vehicle side

### Benefits

- High stability during lane change maneuvers
- High stability during evasive maneuvers
- High stability for vehicles with high center of gravity

Call Hendrickson at **630.910.2800** for additional information.



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TRUCK COMMERCIAL VEHICLE SYSTEMS  
800 South Frontage Road  
Woodridge, IL 60517-4904 USA  
630.910.2800  
Fax 630.910.2899