



# Maintain peak suspension performance with Hendrickson Genuine Parts

Over the decades, Hendrickson Trailer Commercial Vehicle Systems has manufactured millions of air suspensions and integrated systems for trailers. Air springs, shocks, bushings, axles, brake systems and air controls are designed, tuned and tested to ensure they function harmoniously to provide superior suspension system performance. Using Hendrickson Genuine Parts ensures the continued reliability and performance you expect from Hendrickson.



### Air Springs

Not all air springs are created equal. Differences in air spring piston design, flex member length and overall dimensions may not be obvious. Critical dimensions not visible to the naked eye, including variations in internal bumpers and flex member bias angles, can alter air spring performance. Additionally, mixing air spring designs may cause adverse loading conditions within the suspension system. Always choose Hendrickson Genuine air springs for correct fit, exceptional ride quality and long service life.

### Shocks

Hendrickson designs its shocks with specific strokes, seal designs, bore diameters and damping characteristics to optimize the overall performance of the suspension system. Collapsed and extended lengths are critical to air spring, mounting clevis and trailer cross member integrity and life. For example, using a shock with a longer stroke than required may result in overextension of the air spring; too short of a stroke can damage mounting clevises or trailer cross members. To ensure optimal suspension performance, always ask for Hendrickson Genuine shocks.



### Bushings



Hendrickson pioneered the use of a single, large-diameter bushing in trailer air suspensions with our TRI-FUNCTIONAL® bushing. Coupled with our rigid beam and solid axle connection, Hendrickson's TRI-FUNCTIONAL bushings deliver enhanced ride and road stability, resulting in a dependable system that provides extended life, reduced maintenance and cargo protection. The void design and material composition of these unique bushings are critical to controlling the horizontal, vertical and roll forces a trailer generates rolling down the road. Insist on Hendrickson Genuine TRI-FUNCTIONAL bushings for exact fit and optimum performance.

To learn more about Hendrickson Genuine Parts, call 866.743.3247 or visit [www.hendricksonparts.com](http://www.hendricksonparts.com)

# GENUINE PARTS Trailer Suspension Systems

## Brake Components

Hendrickson's brake designs feature more efficient brake systems with shorter S-cams and beam-mounted hardware. Our patented Cam Tube System™ extends brake component life, improves brake responsiveness and reduces maintenance costs by locking out contamination. Hendrickson offers a full line of replacement brake shoes, camshafts and cam tube kits to ensure continued superior performance of your INTRAAX® or VANTRAAX™ integrated system or TRLAXLE® non-integrated axle.



## Air Controls

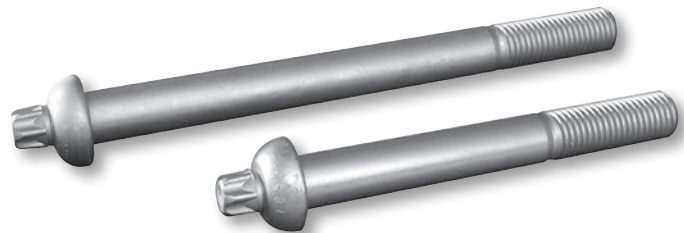
Hendrickson supplies various air and electric-over-air liftable controls, as well as height control and pressure protection valves. Specially designed and tested for optimum performance with Hendrickson air suspensions, our HCVs help maintain outstanding load stability over the road. Hendrickson also offers many manual and automatic controls to exhaust air suspensions. Our engineering staff includes personnel with air control knowledge unique to the industry and just as our air suspension systems, we insist on designing the industry's best air controls.

## Pivot Connections

Hendrickson suspension pivot connections provide long-life service and axle alignment precision.

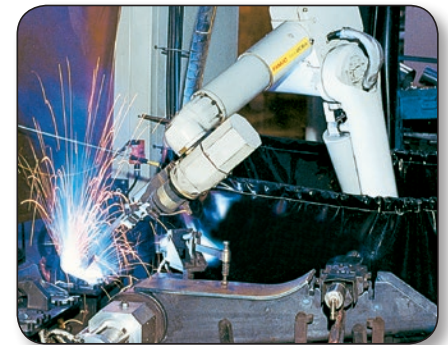
### QUIK-ALIGN®

Uses a specially designed shear-type bolt combined with eccentric and concentric alignment collars. QUIK-ALIGN pivot connection does not require welding or special tools to re-align the suspension system.



### Welded Alignment

Uses a 1-1/8-inch diameter threaded pivot bolt with steel collars. The axle is aligned and then the collars are welded in place.



## Fabrication

Hendrickson's history of success centers around our manufacturing and fabrication capabilities. Integral components that comprise our INTRAAX, VANTRAAX and HT™ Series suspension product lines such as beam assemblies and frame brackets are produced using robotic welding techniques pioneered by Hendrickson.

*Hendrickson Genuine Parts are the same quality components installed in Hendrickson original equipment suspensions — consisting of the same design, construction, performance and durability. There's only one way to maintain and protect your suspension's original performance. Ask for the name that is synonymous with the finest manufactured suspensions in the world.*

Call your trailer dealer or Hendrickson at **330.489.0045** or **866.RIDEAIR (743.3247)** for additional information.



[www.hendrickson-intl.com](http://www.hendrickson-intl.com)

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