- Superior comfort
- Outstanding ride
- Improved handling
- Reduced maintenance

To learn more about COMFORT AIR, call 855.743.3733 or visit www.hendrickson-bus.com
**COMFORT AIR** Single Axle Air Suspension System

**Designed with the passenger and driver in mind.**
Delivers outstanding passenger and driver comfort along with exceptional handling characteristics for buses and motorhomes.

**Superior ride and handling with enhanced equipment protection.**
Drawing on 100 plus years of innovation, superior design and quality manufacturing, Hendrickson responded to the customers’ requirements with an engineered ride solution. The design is based on our proven HAS™ trailing arm and axle connection technology, with the primary focus on the customer, passenger and driver needs.

- **Main Support Member**
  - Extended length generates lower spring rate for optimized roll stiffness, providing a more comfortable and compliant ride
  - Provides neutral roll steer for better handling

- **ULTRA ROD®**
  - Heavy-duty torque rods provide greater durability over conventional rods
  - Enhances handling during cornering by controlling lateral forces to maintain axle position

- **QUIK-ALIGN®**
  - Pivot bolt connections provide fast and easy alignment without shims

- **Frame Hanger Bracket**
  - Wide footprint distributes load over a larger area for reduced frame stress

- **Axle Connection**
  - Hendrickson proven air suspension design
  - No welding required

- **Height Control Valve**
  - Fast acting HCVs maintain precise ride height control through changing road surfaces, loads and driving conditions

- **Shock Absorber**
  - Tuned for optimum damping characteristics to provide maximum driving comfort
  - Protects air springs during rebound

- **Air Spring**
  - Adjusts to changing load conditions to deliver superior ride quality

**COMFORT AIR®**
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**Superior ride and handling with enhanced equipment protection.**
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COMFORT AIR® helps protect your equipment from bumps and potholes in the road. The wider frame hanger bracket disperses forces over a greater area, reducing stress to the frame to help increase the life of the vehicle.

Durable pivot bushing connections provide quiet operation and help extend suspension service life.

Hendrickson’s proven QUIK-ALIGN® axle alignment feature reduces maintenance time. QUIK-ALIGN offers a fast method to adjust and set alignment by using two flanged collars that are inserted into slots on each side of the frame hanger bracket. The outboard driver’s side flanged collar is eccentric with a 1/2-inch square opening to insert a breaker bar or ratchet.

Maximum range of adjustment is ± 90 degrees from 12 o’clock positioning.

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By rotating the eccentric collar clockwise or counterclockwise, the suspension’s axle is moved fore or aft ± 1/2-inch.

Passenger and Driver Comfort

Using advanced spring technology from Hendrickson, COMFORT AIR’s main support member has an elongated design for optimized roll stiffness. This provides a softer ride and greater protection from the effects of road shock on your chassis, equipment, drivers and passengers.

A longer main support member allows the air springs to carry more of the vertical load to provide a softer ride.

The axle center is on a horizontal line with the pivot point, generating neutral roll steer characteristics for improved handling quality while cornering.

<table>
<thead>
<tr>
<th>Ride Quality</th>
<th>Parabolic Spring Suspension</th>
<th>Typical Trailing Arm Air Suspension</th>
<th>COMFORT AIR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stiff</td>
<td>11% Ride Improvement</td>
<td>25% Ride Improvement</td>
<td></td>
</tr>
<tr>
<td>Soft</td>
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<td></td>
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</tbody>
</table>

Vehicle Protection and Reduced Maintenance
COMFORT AIR® Specifications

Suspension Rating | 15,000 lbs. — 23,000 lbs.
GVW | 40,000 lbs.
Ride Heights | 8.5 in. — 10.5 in. (with straight frames)

COMFORT AIR® is approved for most bus and motorhome applications.
Contact Hendrickson and the respective vehicle manufacturer for approval of specific/additional applications. All applications must comply with applicable Hendrickson specifications and be approved by the respective vehicle manufacturer with the vehicle in its original as-built configuration. Contact Hendrickson for additional details regarding specifications, applications, capacities, and operation, service and maintenance instructions.

1. COMFORT AIR is approved for up to 10 percent off-highway use.

Hendrickson Genuine Parts provide 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 — Hendrickson.

Call Hendrickson at 630.910.2800 or 855.RIDERED (743.3733) for additional information.