



Aftermarket replacement truck rear air suspension

- Maximize payload
- Maximize driver comfort
- Maximize durability



To learn more about the AR2 system  
call 1.866.743.3733 or visit  
[www.hendrickson-intl.com](http://www.hendrickson-intl.com)

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



## Aftermarket replacement truck rear air suspension

*Suspension weight is reduced through innovative design, higher-strength materials and advanced manufacturing methods for greater payloads and improved durability. The AR2™ suspension delivers the reliability and quality you've come to expect from Hendrickson — a leader in suspension and walking beam technology.*

### Hendrickson Torque Rods

- Longitudinal torque rods are engineered to optimize resistance to wind up during acceleration and braking
- Heavy-duty transverse torque rods provide enhanced lateral axle control and straight-line suspension stability

### Height Control Valve

- Maintains proper ride height

### Heavy-Duty Shock Absorbers

- Standard for optimal ride and cargo / body protection
- Protect air springs from over-extension

### Lightweight Frame Hanger

- Controls acceleration, braking and vertical forces for longer hanger and bushing life

### Trailing Arm and Saddle Assembly

- Replaces spring and saddle assembly of existing RT™ / RTE™ suspensions. The heavy-duty trailing arm and saddle assembly provide lighter weight, good articulation and optimal ground clearance

### Large Volume Air Springs

- Rolling lobe design provides variable spring rates and delivers superior ride quality

### Cross Tube

- Made from rigid steel to deliver lateral suspension support and enhanced stability

### Bar Pin Rubber End Bushing

- Provides longer bushing life and adds axle alignment capability
- Three-piece adapter-beam end connection also available

### Equalizing Beam

- Compatible with most Hendrickson RT / RTE walking beams\*
- Distributes load equally between both axles for improved maneuverability, stability and handling
- Lowers the center of gravity to increase stability
- Establishes a solid axle connection for improved handling

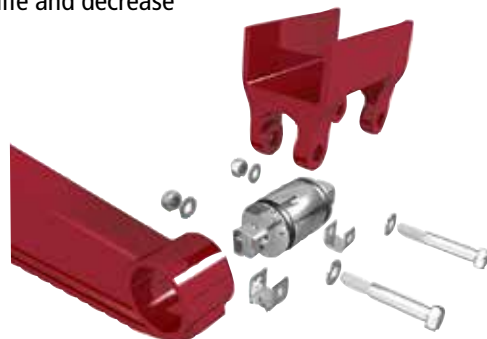
\* If required - rigid forged beams or robust lightweight fabricated beams are available and sold separately

## MAXimize Driver Comfort

The Hendrickson AR2 suspension offers a better ride and improved suspension performance by converting your Hendrickson RT™ / RTE™ suspension into a highly engineered, lighter-weight walking beam air suspension. The air spring system absorbs the load and road inputs — delivering the preferred combination of empty-ride and loaded stability for vocational applications.

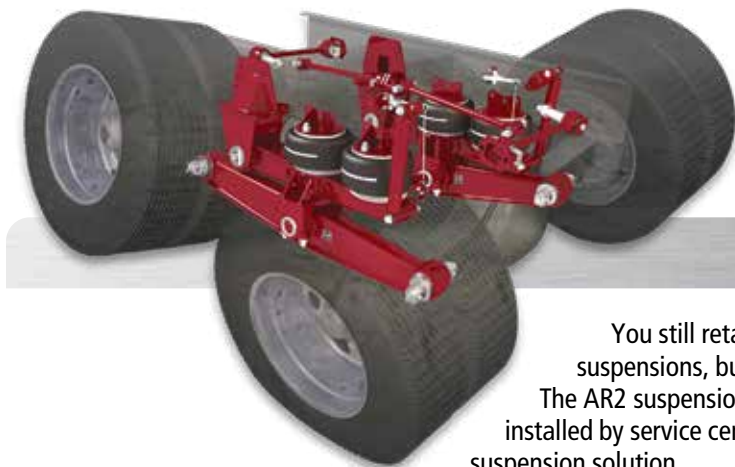
## MAXimize Uptime

- Improved ride reduces road shock and vibration to the vehicle to help extend service life and decrease repairs to the cab, chassis and body equipment
- Air springs provide long service life and easy replacement
- Bar pin rubber end bushings work to extend service life and provide alignment capability
- Rubber bushings enhance articulation and help reduce load on mating components
- Hendrickson has manufacturing and distribution centers around the world to ensure the right part is at the right place at the right time
- Comprehensive technical support



## MAXimize Traction

The AR2 suspension provides versatility for demanding job sites or off highway conditions. When loaded, the system delivers up to 14 inches (356 mm)\* of diagonal wheel articulation to help keep the load on all drive wheels.



### AR2 System Conversion

You still retain the walking beam benefits from the Hendrickson RT / RTE suspensions, but now you get the added benefit of a smooth-riding air suspension. The AR2 suspension is available in conversion or complete kit form and can be installed by service centers and OEM dealerships who want to give their customers a new suspension solution.

- **What's in the Conversion Kit?** — Two new trailing arms and saddle assemblies, shock absorbers, heavy-duty transverse torque rods, height control valves, four air springs, frame hangers, detailed installation instructions and a parts list.
- Undrilled frame hangers are provided to accommodate numerous hole patterns.
- **What remains of the RT / RTE?** — The existing equalizing (walking beam) assembly, cross tube and longitudinal torque rods
  - The AR2 system will fit most RT / RTE suspensions up to 46,000 pounds (20,865 kilograms) capacity.

**Download Hendrickson's Rear Suspension Application Approval Request form** (Lit. No. 58985-000) from the website [www.hendrickson-intl.com](http://www.hendrickson-intl.com) or email: [truckparts@hendrickson-intl.com](mailto:truckparts@hendrickson-intl.com). Complete the application form and email for approval to help ensure the AR2 suspension is the correct choice for the vehicle and application.

\* Suspension articulation may exceed the vehicle's capability and may be limited by the vehicle manufacturer; vehicle manufacturer installed axle stops may restrict the suspension's articulation.

	CONVERSION KIT <sup>1</sup>				COMPLETE ASSEMBLY			
	AR2 40K		AR2 46K		AR2 40K		AR2 46K	
	Pounds	Kilograms	Pounds	Kilograms	Pounds	Kilograms	Pounds	Kilograms
52" (1,321 mm) axle spacing								
Installed Weight <sup>2</sup>	664	301	669	303	1,079	489	1,084	492
Suspension Rating	40,000	18,144	46,000	20,865	40,000	18,144	46,000	20,865
GVW Approval <sup>3</sup>	73,000	33,112	80,000	36,287	73,000	33,112	80,000	36,287
GCW Approval	160,000	72,575	190,000	86,183	160,000	72,575	190,000	86,183
Job-site Travel Rating <sup>4</sup>	55,000	24,948	60,000	27,216	55,000	24,948	60,000	27,216
Diagonal Articulation <sup>5</sup>	14" (356 mm)				14" (356 mm)			
Ride Heights	9.5" (241 mm), 10.5" (367 mm)				9.5" (241 mm), 10.5" (367 mm)			
Axle Spacing	52" (1,321 mm), 54" (1,372 mm)				52" (1,321 mm), 54" (1,372 mm)			
Lift Axle <sup>6</sup>	See Below		See Below		See Below		See Below	

AR2 is approved for vocational truck applications such as dump under 18 feet, crane / boom and platform applications. Contact Hendrickson for approval of additional applications.

1. Conversion kit — if the existing RT/RTE suspension includes bronze center bushings, they must be replaced with rubber center bushings. Bronze center bushings are not compatible with transverse torque rods.
2. The conversion kit installed weight includes — torque rods, axle brackets, and frame brackets.  
Complete assembly installed weight includes — fabricated equalizing beam assembly, cross tube, torque rods, axle brackets, and frame brackets.  
NOTE: Any comparison to other suspensions should consider all of these components, including axle brackets.
3. Contact Hendrickson for applications that may exceed GVW approval ratings.
4. Job-site travel rating — operators using vehicles equipped with liftable pusher or tag axles must not exceed published ratings. Job-site ratings are limited to no more than five percent of vehicle operation at speed not to exceed five mph. Liftable pusher or tag axles should only be raised (or unloaded) to improve vehicle maneuverability in job-site applications or when vehicle is empty. Job-site travel ratings are consistent with published axle manufacturer's limitations. Axle and suspension job-site travel specifications must not be exceeded.
5. Suspension articulation may exceed the vehicle's capability and may be limited by the vehicle manufacturer; vehicle manufacturer installed axle stops may restrict the suspension's articulation.
6. Approved for one or more lift axles, not to exceed site travel.

**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 — Hendrickson.

*Actual product performance may vary depending upon vehicle configuration, operation, service and other factors.*

*All applications must comply with applicable Hendrickson specifications and must 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.*

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



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