



Primaax EX Tridem Sales Manual

Pro Gear's Hendrickson Primaax EX Tridem Sales Manual to assist in identifying your Hendrickson unit.

If you need any assistance identifying the correct transfer case unit for your truck and equipment, contact your Hendrickson replacement part specialists at Pro Gear and Transmission.

Pro Gear Transmission has same day shipping and 1000's of products in stock and ready to ship internationally for your next project.

For parts or service contact the Hendrickson specialists at Pro Gear & Transmission, Inc.

1 (877) 776-4600
(407) 872-1901
parts@eprogear.com



PRIMAAX[®] EX

Premium Severe-Duty Tridem
Air Suspension System

PRIMAAX[®] EX provides outstanding stability and ride for tridem applications



PRIMAAX[®] EX, Hendrickson's premium severe-duty, rear air suspension system is ideal for a variety of grueling vocational, severe-service and high center-of-gravity applications. With 100 percent off highway approval, PRIMAAX EX offers superior stability, handling, ride and weight savings.

To learn more about PRIMAAX EX
call 855.743.3733 or visit
www.hendrickson-intl.com

HENDRICKSON
The World Rides On Us[®]

PRIMAAX® EX Premium Severe-Duty Tridem Air Suspension System

QUIK-ALIGN®

- Allows easy axle alignment without shims
- Reduces maintenance time and helps extend tire life

Structural Beams

- Utilizes premium materials to improve durability more than 350 percent*
- Robust rubber bushings improve service life and eliminate lubrication requirements
- Maintenance-free connection with the cross beam for increased uptime

Genuine Hendrickson Torque Rods

- Optimized configuration helps improve handling and roll stiffness for expanded applications
- Alternative longitudinal rods available for disc brake use

Heavy-duty Shock Absorbers

- Positioned and tuned for optimum damping characteristics
- Protect air springs from overextension

Axle Connections

- D-pin axle connection decreases torsional axle stress for reduced maintenance and increased joint integrity
- Integrated axle stop contact pads reduce axle stress

Air Springs

- Large-volume, low-frequency design for improved ride
- Advanced design air springs fill faster and lift and support the load with less air pressure

Dual Height Control Valves

- Maintain proper suspension ride height

Cross Beams

- Seamless fabrication technology forms a robust torsion system with cast structural beams, improving stability

*Based on lab testing

- **Optimized suspension geometry** — Contributes to more than twice the roll stability of competitive air suspensions, helps improve handling and roll stiffness for demanding applications, and significantly controls suspension induced driveline vibration
- **Stability and handling** — Structural beams include integrated end caps that form a solid connection with the square cross brace to form a rigid torsion system for improved stability and control
- **Comfort and protection** — Specially designed, large-volume, low-frequency air springs ensure optimal ride performance and vehicle protection
- **Mobility and traction** — Up to 12.5 inches of unrestricted diagonal wheel articulation provide outstanding traction for confidence to tackle demanding jobs
- **Reduced maintenance** — Heavy-duty rubber bushings require no lubrication for reduced down time

	Capacity	Installed Weight ¹	Axle Configuration	GCW Approval ²	Site Travel Rating ³	Axle Travel ⁴	Ground Clearance	Lift Axles	Ride Heights ⁵	Engine Torque Restrictions	Axle Spacing
PAX 692	69,000 lbs.	1,629 lbs.	Tridem	See Axle Manufacturer Recommendation	90,000 lbs.	8 in.	10.75 in.	Approved	8.5 - 10.5 in. 12.5 - 15.5 in.	None	52 to 60 in.
PAX 782	78,000 lbs.	1,931 lbs.	Tridem	See Axle Manufacturer Recommendation	99,000 lbs.	8 in.	10.5 in.	Approved	8.5 - 10.5 in. 12.5 - 15.5 in.	None	54 to 60 in.

1. Installed weight includes complete suspension, torque rods, axle and frame brackets, and all hardware. Published weight is for standard PRIMAAX EX suspension using 10-inch ride height. Other configurations may change weight.
2. Contact Hendrickson or original equipment manufacturer for applications that may exceed GVW / GCW approval ratings.
3. Site travel rating — operators using vehicles equipped with liftable push or tag axles must not exceed published ratings. Ratings are limited to no more than five percent of vehicle operation at a speed not to exceed five mph. Liftable pusher or tag axles should be raised (or unloaded) to improve vehicle maneuverability in off-road use or when vehicle is empty. Site travel ratings are consistent with specifications and must not be exceeded.
4. Axle travel may be limited by vehicle manufacturer; axle stop settings may restrict suspension's articulation. Varying ride heights and configurations may restrict travel.
5. For different ride height options, please contact Hendrickson, your truck manufacturer or dealer for further information.

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



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