

Hunter Highlights

News and
Trends of the
Automotive
Service Industry

Year-End Review of New Products and Services

SmartWeight™ Balancing Technology Introduced; Reduces Wheel Weight Costs and Service Time



To achieve the best possible balance, SmartWeight balancing technology evaluates actual static and couple forces independently and applies an appropriate tolerance to each.

Hunter's patented SmartWeight™ balancing technology is a revolutionary wheel balancing method that minimizes correction weight use and maximizes productivity, saving shops money on both material and labor costs.

SmartWeight balancing computes correction weights by measuring and evaluating the "absolute" or pure static (shake) and couple (shimmy) forces that cause vibration. Unlike traditional balancing, which judges balance condition based on correction weight values alone, SmartWeight balancing uses the actual static and couple forces to directly address the source of vibration problems, resulting in the best possible balance.

SmartWeight technology is available on all Hunter GSP-series wheel balancers. More detailed information can be found at www.weightsaver.com.



SmartWeight can reduce annual wheel weight costs by 33% or more and can also reduce the time it takes to balance most wheels.

TCX500 and TCX550 Traditional Design Tire Changers Added to Hunter Product Line



Hunter's new, advanced TCX500 and TCX550 table top tire changers are suitable for handling contemporary, high-end OE wheels and custom aftermarket products. Traditional design and conventional operation makes them familiar to technicians, speeding orientation and use.



- The **TCX500** is designed for continuous, dependable use. Its wheel clamping capacity is 26-inches. Standard and optional features allow easy service of simple steel wheels or low-profile alloy wheels and run-flat tires.

- The ultra-high-performance **TCX550** has a 28-inch rim capacity. A patented mount/demount arm automatically positions the head for easier service. The clamping table raises and lowers for varying wheel widths and features a dual-direction, two-speed, self-centering clamping system.

WinAlign Tuner™ Software Provides Custom Alignment for Modified Vehicles



WinAlign Tuner™ custom alignment software for modified vehicles is a standard feature of Hunter Series 811 Plus premium alignment systems.

Hunter's WinAlign Tuner™ custom software meets the alignment needs of shops servicing custom, restyled and modified vehicles. It augments Hunter's WinAlign® software with procedures and tools to align vehicles for performance or appearance. Technicians can choose performance-oriented alignment or alignment that preserves a high-performance look without sacrificing tire life.

- Bump steer severity before-and-after modifications can be measured and charted.
- Ride height before-and-after modifications can be measured electronically at defined measurement points.
- Post road-test tire temperature readings can isolate the actual effects of modifications and help build custom alignment specifications.
- The Tools & Kits feature shows special tools and aftermarket kits for modified vehicles.

Hunter-Branded Computer Now Drives Premium Alignment Systems

Hunter Series 811 Plus alignment systems are now being shipped with a more powerful Hunter-branded computer.

The new Series 811 Plus computer increases processor speed, RAM and hard drive capacity. Operating system software is Windows® XP Pro. The computer case was redesigned to save space and enhance performance and convenience. Two of the system's six USB ports are placed in front of the case for convenient access. The new computer is also equipped with an internal DVD/CD-RW drive.

Since introducing PC-based wheel alignment to the industry in 1992, Hunter engineers have designed computer specifications to meet specific requirements of the automotive shop environment. These performance benchmarks were developed using rigorous laboratory simulation and actual service bay testing.



New Tire Changer Options Expand Capacity, Boost Productivity and

PAX® Tire System Kits Cut Costs, Eliminating Need for Additional Dedicated Equipment

PAX® Tire System kits are now available for Hunter TC3500, TC3250, TCX550BPS and TCX500BPS models, offering shops a wide choice of tire changer types that can handle both conventional bead and PAX system tires. Hunter tire changing equipment is approved for servicing Michelin® PAX Tire Systems.

PAX Orbiter Workstation

Once the tire is removed from the rim, the patented Orbiter Workstation simplifies insertion and extraction of the PAX support ring. The system operates with a single foot pedal and is designed to keep the operator's hands free to handle the tire.

Wheel Lifts Reduce Operator Fatigue and Potential for Injury

Optional pneumatic wheel lift devices for Hunter's TC3500 and TC3250 Euro-style and TCX500 and TCX550 traditional-style tire changers can dramatically reduce operator fatigue and the possibility of injury by eliminating manual lifting during wheel mounting and demounting.

The pedal-controlled lifts quickly raise and position wheels to match the tire changer's clamping system. Polymer-coated contact points protect the wheel's finish. The lifting capacity is 140 to 165 pounds depending on the model.



Wireless Network Adaptor Streamlines Access to Hunter Online Services

Hunter Online



Shops subscribing to Hunter Online Internet-based information services can now go wireless. Wireless Network Kits, available from Hunter, connect Series 811 alignment systems to a shop's existing 802.11 a/b/g wireless network.

Wireless access is the most convenient and efficient way to bring Internet-based services into the alignment bay, eliminating extra cables that clutter a shop and inhibit console mobility.

Wireless Internet access is an ideal application of new technology to increase speed, efficiency and simplicity in the service bay.



The Hunter Online suite of online tools includes WebSpecs.NET, ShopResults.NET and UnderCarInfo.NET. These features harness the power of the Internet to boost shop productivity and customer satisfaction.

ShopResults.NET Now Available for Heavy-Duty Truck Shops



Use WinAlign® software to e-mail vehicle owners or business partners.



| HUNTER Engineering Company | | | |
|---|---------------------|-----------------|-------|
| Freightliner: FLA,FLB Cab Over Engine 1999-; (Exits E1290/E1320) Axle: with Power Assisted Steering 4/25/05 9:59:11 AM | | | |
| Customer: Customer No.: 1 | Vehicle Ident. no.: | | |
| Repair order no.: 0000001 | Date: 4/23/05 | | |
| License plate no.: | Vehicle no.: 1 | | |
| Vehicle: FLNR FLA,FLB Cab Over Engine 09-; (Exits E1290/E1320) with Power Assisted Steering Truck/Tractor: 1 Front, 2 Rear, Last Rear Reference Mileage | | | |
| Front Axle 1 | | | |
| | Before | Specified Range | After |
| Left Toe | 0.18" | -0.02° 0.06° | 0.02° |
| Right Toe | 0.18" | -0.02° 0.06° | 0.01° |
| Total Toe | 0.36" | -0.04° 0.12° | 0.03° |
| Left Camber | 0.5° | 0.0° 0.9° | 0.5° |
| Right Camber | 0.5° | 0.0° 0.9° | 0.5° |

Alignment results can be viewed on a Web page from any Internet-connected computer.

Hheavy-duty truck shops can now take advantage of Hunter's online service capability to communicate and manage customer information and alignment data. ShopResults.NET lets subscribers e-mail job status information and alignment

results to customers or business partners directly from their Hunter Series 811T alignment system console. ShopResults.NET also provides alignment record storage on a secure Web server with easy access by technicians or shop management.

Promote Safety

**Reduce Fatigue
Prevent Injury**



EVO 26-Inch Capacity Wheel Clamping Kit

Hunter's new EVO Large Wheel Clamping Upgrade Kit increases TC3500/TC3250 Tire Changer wheel service capacity to 26 inches in diameter.

The kit also provides additional clamping methods thereby enhancing the tire changer's ability to handle many difficult-to-handle high-performance and custom reverse drop-center wheels.

Kit components can be ordered separately to customize EVO systems according to service needs.



AlignLights Lift Accessory Puts Light Where Needed



Hunter's AlignLights lift lighting accessory provides a safe and efficient light source underneath the vehicle. The accessory is available on Hunter RX series alignment racks as an installed option or can be retrofitted to most previously installed RX racks.

AlignLights are powered by the main lift rack power source and require no additional or exposed electrical cords. For efficiency, the lights automatically switch on when the rack is raised and off when the rack is lowered.

Hunter's AlignLights accessory puts light under the vehicle creating a safer and more efficient work environment.

New PowerSlide™ Alignment Rack Slip Plates Save Time, Prevent Accidental Damage



PowerSlide™ slip plates are now available on newly purchased, select Hunter RX Scissor Alignment Racks.

PowerSlide controls and status displays are conveniently located on the lift console. One touch of a button locks or unlocks them.



Hunter's PowerSlide™ slip plate locking mechanism electronically locks and unlocks rear wheel slip plate pins from the lift control console. This feature can significantly reduce extra trips around the vehicle to manually remove and replace lock pins during alignment procedures. PowerSlide slip plates also automatically

lock when the rack is lowered to the ground preventing costly damage that might result when a vehicle exits the rack when the slip plates are unsecured. One touch of the PowerSlide button on the lift console locks or unlocks the slip plates. LED lights on the console indicate the slip plates' status.

L434GS Lift Rack Introduced to Meet General Service Needs



The L434GS lifts to a height of 70 inches with 17 locking positions. Approach ramp extensions are available for low-clearance vehicles.

The Hunter L434GS integrates many of the best four-post alignment rack features into a general service lift rack that offers a robust and efficient platform for performing non-alignment service. It features a 12,000-lb. lifting capacity and quick 45-second raise and lower times. A 180-inch wheelbase capacity and wide 22 1/2-inch runways accommodate small cars as well as wide trucks and SUVs. Options include 6,000-lb. capacity swing air jacks (ideal for brake work or tire rotation) or a 30-gallon rolling drain pan for fast and efficient oil, filter and fluid service.

Hunter Highlights

A Publication of Hunter Engineering Company

11250 Hunter Drive
Bridgeton, MO 63044 U.S.A.
314-731-3020
<http://www.hunter.com>