Form 995T, 07/06
Supersedes 995T, 08/04

811T Alignment System

Wheel Alignment for Heavy-Duty Trucks

HUNTER
Engineering Company

Hunter Alignment Systems Make Truck and Bus Alignment Service Fast, Simple and Profitable

Optional DSP506T-XF Sensors shown.

Hunter's 811T uses a powerful computer, Microsoft® Windows® XP and exclusive WinAlign® HD software to deliver alignment features specifically for heavy-duty truck, trailer and bus applications.

- **Widest Scope of Application**
  Supports more than 50 heavy-duty axle configurations including dozens of truck/trailer, bus and dolly manufacturer configurations. After selecting a configuration, step-by-step instructions for sensor placement, measurement and adjustment are provided on-screen.

- **Heavy-Duty Vehicle Specifications Database**
  WinAlign HD software includes a complete specification database as supplied by major heavy-duty vehicle manufacturers.

- ***Sensors Measure Wheelbases up to 600 Inches!***

Wireless/Cordless Alignment – *"No Strings Attached!"*

- **No Toe Lines or "Strings"**
  DSP506T Sensors electronically measure camber, caster, S.A.I., thrust angle, scrub angle and front and rear toe using fewer electronic components and circuits than previous models.

- **Cordless Sensors (optional)**
  High Frequency Spread Spectrum transmitters in sensors send data to the console. Cables are no longer necessary between the sensors and console.

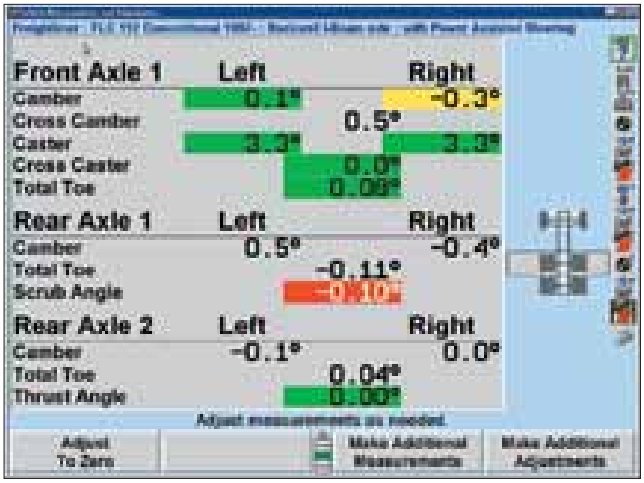
WinAlign® HD Software Simplifies Heavy-Duty Alignment

Vehicle Specification Database

Select the vehicle type from the on-screen list and the aligner provides the O.E.M. alignment specifications. WinAlign® HD software compares the truck's current alignment measurements with the specifications and then shows the technician the adjustments needed.

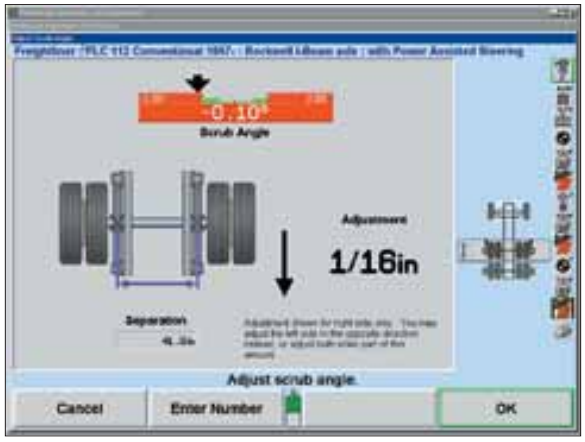
Color Measurements Displays

The aligner displays color-coded camber, toe and thrust angle measurements after compensation. Caster, S.A.I. and I.A. are displayed following caster steer. Green means the adjustment is within O.E.M. specifications; yellow means it is marginally within; and red means it is out of alignment.



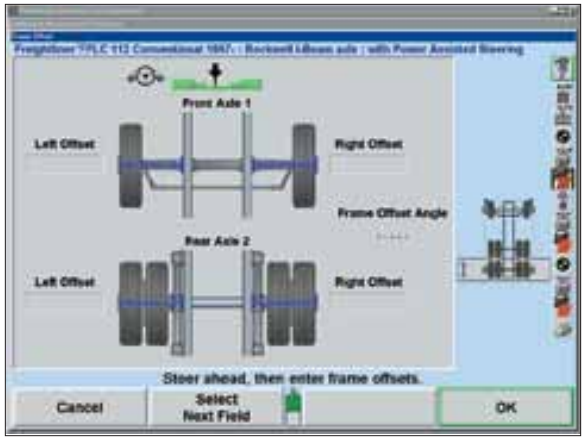
Trailer Alignment Gauge Tool (optional) mounts sensors to the trailer kingpin. Trailer axles are adjusted to centerline. Optional DSP506T-XF Sensors shown.

WinAlign® HD Software Speeds Alignment Adjustments



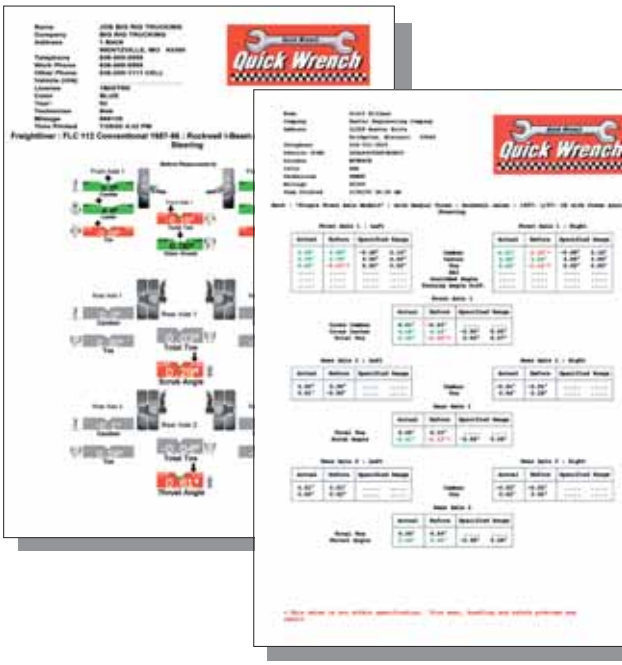
Easy-to-Read Adjustment Screens

WinAlign HD automatically calculates alignment adjustments for the technician. As the adjustment is made, the arrow moves across the bar graph target. When the adjustment comes within specification, the bar graph changes from red to green.



Frame Offset Angle Display

Exclusive Windows-based WinAlign software measures frame offset angle and calculates adjustments to frame centerline.



Before and after alignment results can be printed in color.

Accurate to 600 inches, WinAlign HD supports the widest range of axle configurations using wireless/cordless sensors. Software includes selections for trucks, buses, trailers and dollies.

DSP506T Alignment Sensors

DSP506T Sensor shown here with standard Self-Centering Wheel Adaptor.

DSP506T alignment sensors use a Digital Signal Processor to process data at the sensor, speeding the display of alignment information to the console.

Rugged Sensor Design

- Integrated electronic components enhance reliability.
- Hard shell cover is made of the same bulletproof material used in fighter jet canopies.
- Impact-prone areas are protected by integrated bumpers.

Self-Centering Adaptors

- All new Self-Centering Wheel Adaptors are lighter, more rigid and offer more versatility for trucks and busses with low hanging bumpers or air dams. Fits wheels 10" to 24.5" in diameter. Optional Hub Center Adaptors **(175-284-1)** are available for specialty and hard-to-mount wheels.

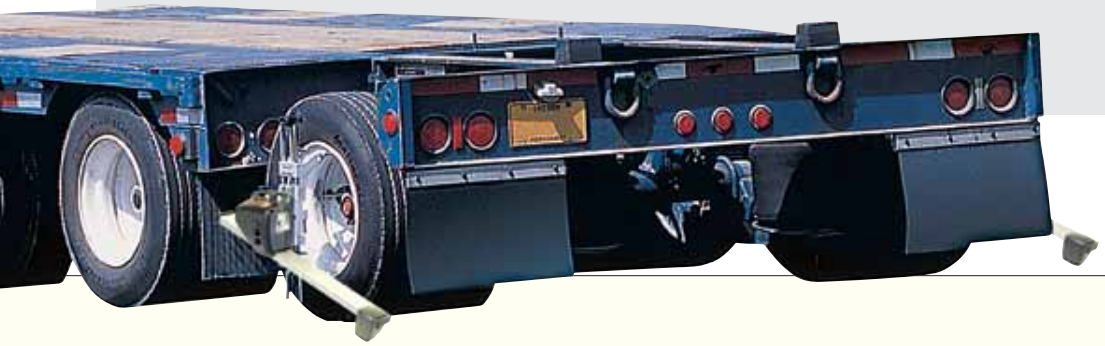
Optional Cordless DSP506T-XF Sensors Enhance Speed and Ease of Use

No Cables Between Sensors and Console

- High Frequency Spread Spectrum transmitter in each sensor sends data to the console. Signal is virtually uninterruptible even by solid objects.
- Low-cost rechargeable batteries provide a full day of continuous operation and can be "hot swapped" without interrupting the alignment job. Docking Stations recharge sensors between jobs.

No Toe Lines or "Strings" Between Sensors

- Optical infrared emitter/CCD's read cross-toe, front-to-rear toe and wheelbase/trackwidth.
- Solid state digital inclination transducers measure caster, camber and S.A.I.



811T Console Configurations

“R” Cabinet Configurations

R811P19L-T with 19-inch LCD display. Plus cabinet and monitor dimensions (approximate): 68” H X 29-1/2” D X 36” W*.

R811P19-T with 19-inch UVGA color monitor. Plus cabinet and monitor dimensions (approximate): 64-1/2” H X 29-1/2” D X 36” W*.

R811-19-T with 19-inch UVGA color monitor. Standard cabinet and monitor dimensions (approximate): 64-1/2” H X 29-1/2” D X 36” W*.

** With sensors, add 36” to width. Sensors are sold separately.*

“R” Cabinet Storage Features

The left-side drawers feature ample room for alignment tool storage. R Plus Cabinet only.

The pull-out printer tray/drawer provides convenient printer access. For all R cabinets.

The right-side door conceals the CPU and storage drawer.

“S” Cabinet Configurations

S811P19-T with 19-inch UVGA color monitor. Cabinet and monitor dimensions (approximate): 59-1/2” H X 29-1/2” D X 22-1/2” W*.

S811-17-T with 17-inch UVGA color monitor. Cabinet and monitor dimensions (approximate): 64-1/2” H X 29-1/2” D X 22-1/2” W*.

The Hunter S811P cabinet features ample concealed storage space for the printer, CPU and tools.

** With sensors, add 36” to width. Sensors are sold separately.*

“W” Cabinet Configuration

W811P19-T with 19-inch UVGA color monitor. Cabinet and monitor dimensions (approximate): 43” H X 29” D X 32” W*.

The Hunter W811P cabinet features lockable concealed storage space for the CPU and easily mounts to any wall.

Specifications and Accessories

System 811T Standard and Plus Features

811T Standard

Intel® Celeron 2.8 GHz Processor (or greater)
256 MB RAM
80 GB HDD (or greater)
DVD/CDRW Drive
WinAlign® HD Alignment Software for Heavy-Duty Trucks
Windows® XP Home Operating System
WinAlign® Alignment Software for Cars and Light Trucks*

Standard Accessories

(when ordering console)

Color Printer
Keyboard
Mouse
Wireless Remote Control
Steering Wheel Holder
Brake Pedal Depressor
HD Turning Angle Gauges

Power Requirements

115V, 1-ph, 50/60 Hz

Sensors

(sensors must be ordered separately)

DSP506T, 4 Optical Sensors, Self-Centering Adaptors
DSP506T-XF, 4 Cordless Optical Sensors
Sensors include:
-Self-Centering Adaptors
-Tire Diameter Measuring Tool

811T Plus

Intel® Pentium® 3.0 GHz Processor (or greater)
512 MB RAM
80 GB HDD (or greater)
DVD/CDRW Drive
WinAlign® HD Alignment Software for Heavy-Duty Trucks
Windows® XP Pro Operating System
WinAlign® Alignment Software for Cars and Light Trucks*

Options

20-1724-1 Memory Upgrade Kit (256 MB)
20-823-1 Adaptor - Rim Stud Extension Kit
221-652-1-T Calibration Fixture
221-646-1 HD Frame Offset Tool
69-1025-2 Equipment Cover
221-660-1 Trailer Gauge Tool (new style)
20-1473-1 Trailer Dolly Alignment Kit
175-284-1 Adaptor (for mounting sensor to hub center) (2 required)

Remote Indicator (3 models to choose from)
- 30-418-1 Cordless Plus Remote Indicator
- 30-421-1 Cordless Icon Remote Indicator
- 30-419-1 Icon Remote Indicator

30-418-1 "Plus" Cordless Remote Indicator Measures-
-Tire Temperature (Automotive use)
-Frame Angle (Truck and Car use)
Allows entry of-
-Tire Pressure (Automotive use)
-Tread Depth (Automotive use)
-Ride Height (Automotive use)

Also available:
30-421-1 Cordless Icon Remote Indicator
30-419-1 Icon Remote Indicator

Optional Hub Center Adaptor for mounting sensor to hub center of front rims (Part # 175-284-1) (2 required)

Standard Premium Color Printer

** Car Sensors Required*

For detailed information on models, cabinets and accessories, contact your Hunter representative.

WinAlign® software upgrades may require additional and/or upgraded hardware. Because of continuing technological advancements, specifications, models and options are subject to change without notice.

Visit our Website at www.hunter.com

HUNTER Engineering Company
11250 Hunter Drive, Bridgeton, MO 63044
800-448-6848 • 314-731-3020 • FAX 314-731-1776

Copyright © 2006 Hunter Engineering Company
WinAlign is a registered trademark of Hunter Engineering Company.