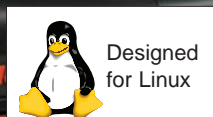


Hunter PA100

ProAlign® Wheel Alignment System



Great for Starting Profitable Alignment Service With a Minimal Investment



HUNTER
Engineering Company

PA100 Alignment System

The PA100 Alignment System features Hunter's ProAlign® alignment software running on a Linux operating system. This unique combination enables any shop interested in providing profitable alignment service to do so with a minimal investment.

- ProAlign software includes the essential software tools to perform fast, accurate alignments.
- The Linux operating system supports ProAlign software with the benefits of a powerful operating system. The entire system runs on a single-board computer without a hard drive.



PA100 System Features

- 17-in. SXGA color monitor.
- Full-sized keyboard, sloped for easy use, provides complete control of the alignment procedure.
- Hand-held wireless remote control allows operation from anywhere in the bay.
- Real-time clock.
- Custom electronics optimized for wheel alignment.
- Full-speed USB support.
- State-of-the-art, high-speed application processor.
- Optional remote indicator aids vehicle adjustment, virtually duplicating bar graph display.



Powerful Intel® Processor



- Provides high-powered processing with low-power consumption
- Supports high-quality graphics
- Provides increased memory capacity

Measurement Capability

- Measures camber, caster, toe, thrust angle, SAI, IA, Toe-Out-On-Turns[†] and Maximum Steering Angle[†].
- Symmetry angle measurements provide a quick check to determine if out-of-specification alignment readings may be the result of collision or frame damage.

Multi-Language Support

- ProAlign alignment software is available in 30-plus languages. Check for current language availability.

Specification Database

- Includes more than 20 years of factory vehicle specifications.
- User Specs allows for customizable additions to the database for specific vehicles.



Optional yearly specification and software updates can be made by the user simply by installing a new program cartridge.

ProAlign® Alignment Software

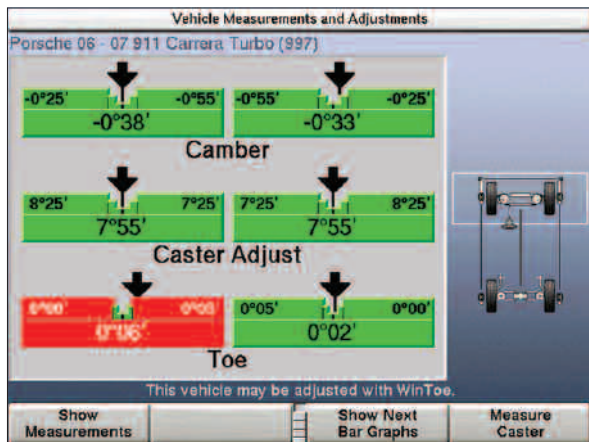
ProAlign® alignment software incorporates key features of the Hunter top-of-the-line systems, ideal for getting into the alignment business economically.

- Adjustment Bar Graphs
- WinToe®
- CAMM® (Control Arm Movement Monitor)
- Shim-Select® II
- Adjustment Illustrations
- Work Management
- Spoiler Mode
- Symmetry Angle Measurements
- VW/Audi Raised Toe Measurements



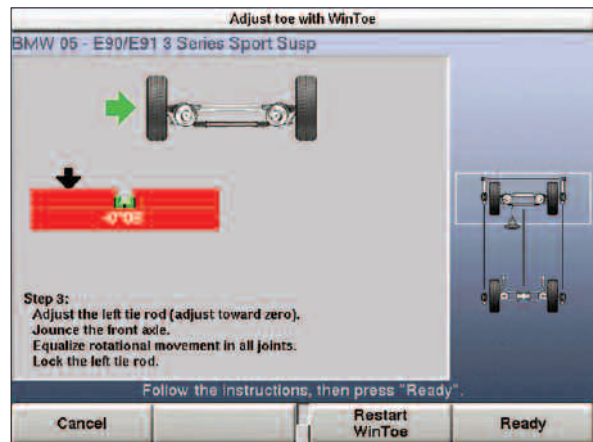
PA100 shown with optional DSP508XF Cordless Sensors.

Adjustment Bar Graphs*



Adjustment bar graph displays show the amount and direction of adjustment necessary.

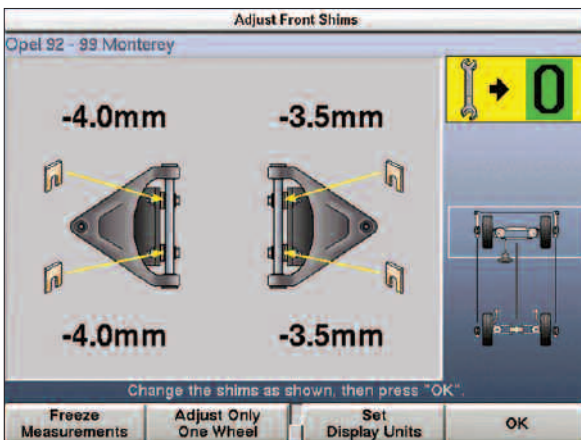
WinToe®*



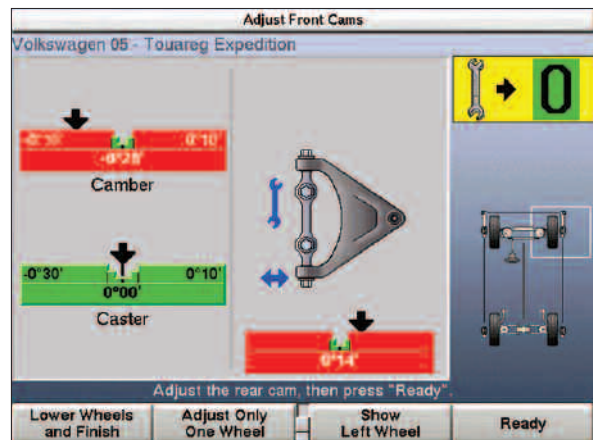
Allows technician to adjust toe without locking the steering wheel. Virtually ensures a straight steering wheel on the first try!

CAMM®* (Control Arm Movement Monitor)

CAMM® cuts adjustment time in half on vehicles with front shims, dual cam and dual slot adjustment. No trial and error required.



Computes and displays the thickness of shims to be added or removed...



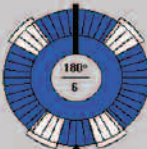
... also displays adjustments required for dual cams or dual slots.

Shim-Select® II*

Adjust Rear Shims (Shim-Select II)

Volkswagen 84 - 89 Golf II 79kW

Left Rear (Adjust to Zero)	
Before	After
Camber	0°00'
Toe	0°00'



Brand: Hunter STD
 Colour: Blue
 Part Number: RP5-46-1006
 Template: A
 Bolt Torque: 44 ft lb (60 nm)

Install the shim if necessary, then press "OK".

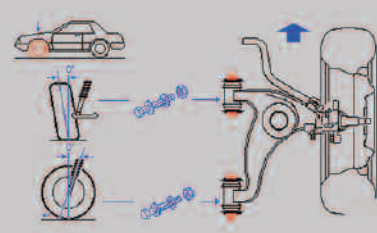
Improve Camber | Improve Toe | Change Shim Brand | Print Shim Template

Shows all the information needed for rear shim installation, including templates in actual size and color with required orientation angle, part number and bolt torque specifications.

Adjustment Illustrations

Required Alignment Conditions

Mercedes-Benz 99 - 06 220 (S) ECE 2965mm wb



Observe the required conditions for this vehicle, then press "OK".

← | → | OK

Adjustment illustrations provide illustrated diagrams and instructional information of recommended OEM adjustment methods.

Work Management†

View Work Order

Work Order ID: 6884
 Name: Francois Lerner
 Address: 858 Ave Beaumont
 City: Mont Tremblant
 Telephone: 5184158
 First Reg: 65843
 Vehicle (VIN): 32 X1S
 License: 51484
 Mileage: 2006.09.28 10:54
 Technician: Jacques

Volkswagen 04 - Golf V STD Susp (QUAJJA)

Left front			Right front		
Actual	Before	Specified Range	Actual	Before	Specified Range
-0°08'	-1°03'	-1°00' 0°00'	-0°08'	-0°20'	-1°00' 0°00'
7°04'	7°04'	7°04' 8°04'	7°04'	7°04'	7°04' 8°04'
0°04'	0°05'	0°00' 0°10'	0°05'	0°08'	0°00' 0°10'
0°08'	1°03'	.....	0°08'	0°29'	.....
0°00'	0°00'	.....	0°00'	0°00'	.....
-0°53'	-0°53'	-1°58' -1°18'	1°01'	1°01'	-1°58' -1°18'

View Work Order, then press OK.

Copy Customer Identification | ↑ | ↓ | OK

Valuable customer information can be conveniently stored in the database, allowing shop personnel to quickly reference previous alignment work orders.

Spoiler Mode

Vehicle Measurements and Adjustments

Mercedes-Benz 99 - 06 220 (S) ECE 2965mm wb

	Left	Right
Front		
Camber	-0°01'	-0°06'
Cross Camber	0°05'	.....
Caster	.....	.....
Cross Caster	.....	.....
Toe	-0°01'	-0°03'
Total Toe	-0°11'	.....
Rear		
Camber	-1°41'	-1°24'
Cross Camber	-0°17'	.....
Toe	0°04'	0°05'
Total Toe	0°11'	.....
Thrust Angle	0°00'	.....

This vehicle may be adjusted with WinToe.

Show Secondary Measurements | Show Bar Graphs | Measure Caster

Start Spoiler Mode (F7)

The Spoiler Mode compensates for a blocked front or rear line-of-sight of the sensors and provides accurate toe measurements (DSP508 Sensors only).

Symmetry Angle Measurements

Vehicle Measurements and Adjustments

Audi 03 - A8 STD Susp (1BK)

Measurements shown are "snapshots" and cannot be adjusted.

Front	Left	Right
Lateral Offset (distance)	0°02'	-0°02'
	1mm	-1mm
Wheelbase Difference (distance)		-0°33'
		-16mm
Track Width Difference (distance)		0°00'
		0mm
Set Back (distance)		0°33'
		16mm

This vehicle may be adjusted with WinToe.


Show "Before" Measurements | Save "Before" Measurements | Make Additional Measurements | Vehicle Specifications

Provides a quick-check to determine if out-of-specification alignment readings are affected by symmetry angles or setback.

VW/Audi Raised Toe Measurements††

Toe Adjustment with Vehicle Raised

Audi 03 - A8 STD Susp (1BK)



Left	Right
-0°07'	-0°01'
0°00'	-0°04'
Toe (Raised)	
-0°08'	0°08'
0°04'	
Cross Toe (Raised)	

Adjust Toe (Raised), then press "Ready".

Cancel | Verify Toe with Vehicle Raised | Ready

Software includes step-by-step guidance through the toe curve measurement and adjustment process.

† Work Management feature requires a USB Jump Drive (not included).

†† Applicable to many Audi, Bentley, VW, Seat and Skoda vehicle models.

ProAlign® Alignment Sensor Options

Hunter DSP500 Alignment Sensors

- Instantaneous data transfer between sensors and Hunter Alignment System (corded or cordless).
- Quick, precise measurement readings.
- Fast, simple sensor calibration.
- On-screen displays alert technician of possible sensor adjustments required for accurate readings.
- Sturdy construction reduces potential damage to sensor.
- Self-Centering Wheel Adaptors cover an extended range of vehicles.



DSP500XF Cordless Sensors offer the same high-speed data communication as standard DSP500 Sensors without the inconvenience of cables.

DSP500 Cordless Sensor Option

- DSP500 Sensors with cordless option remove hassle of connecting cables.
- Powerful XF-Radio technology provides the same high-speed communication as DSP Sensors with cables. All data is displayed instantly!
- Cordless sensor batteries provide a full day of continuous operation and are “hot-swappable”, ensuring compensation measurements are not lost in the event of a power outage or during battery replacement.
- DSP500 cordless sensors can be recharged between jobs while stored on the aligner cabinet docking stations*.
- Additional batteries can be charged by using an optional external, tabletop battery recharger.



Each DSP500XF Sensor utilizes a “hot-swappable” +12 VDC sealed lead acid battery that can be easily replaced by the alignment technician.

DSP Sensor Options

(Sensors include wheel adaptors and storage brackets)

- DSP504 Sensors
- DSP506 Sensors
- DSP506XF Cordless Sensors
- DSP508 Sensors with Cal-Check®
- DSP508XF Cordless Sensors with Cal-Check®



Optional Battery Recharger Kit (20-1832-1) can be combined with an optional AC Adaptor Kit (20-1864-1) for use as a convenient, centralized tabletop recharger.

Specifications

Models

Mobile cabinet or bench-mounted models available.

Cabinet dimensions (H x W x D):

Mobile aligner with monitor:

1511 mm x 584 mm x 572 mm (59.5 in. x 23 in. x 22.5 in.)

Bench-mounted aligner with monitor:

540 mm x 584 mm x 572 mm (21.5 in. x 23 in. x 22.5 in.)

Power Requirements

100-240V, 3.5A-1.75A, 1PH, 50-60Hz

Standard Equipment

Brake Pedal Depressor

Steering Wheel Holder

Options

Hand-held, Infrared Remote Control	146-55-1
Icon Cordless Remote Indicator	30-421-1-X
Icon Remote Indicator	30-419-1-X
LED Remote Indicator	30-329-1
Standard Mechanical Turnplate (2 req.)	25-140-1
Stainless Steel Mechanical Turnplate (2 req.)	25-129-1
Electronic Turnplates (Set of 2)	20-1487-1



Mobile PA100 system shown with 17-inch monitor and optional DSP508XF Cordless Sensors.



"Before" and "after" measurements can be printed to explain service and record work performed. Screens and rear shim templates can also be printed.



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Postbus 300 - 6710 BH EDE

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