



V.A.G 1944 B Wheel Alignment System

Customized for Aligning All Volkswagen and Audi Vehicles



**Volkswagen A.G.-Approved
Hunter Performance Features
Save Time and Effort...**




asanetwork

Supports ASA-Network
Integration and ELSA



HUNTER
Engineering Company



**Complies With All
Adjustment Requirements
of the Audi A8,
VW Touareg and
VW Phaeton**

DSP508-XF Cordless Sensors shown
with the V.A.G 1944 B alignment system
and RX-9-43-VW Lift.*

V.A.G 1944 B Wheel Alignment System

Approved Equipment for All Audi and Volkswagen Workshops

Hunter has designed the V.A.G 1944 B Wheel Alignment System to provide superior, high-precision measurements on all cars and light commercial vehicles. Radar sensor adjustment procedures are built into the customized alignment procedure for vehicles equipped with Automatic Distance Regulation (ADR) and Automatic Cruise Control (ACC).

■ **Customized Alignment Software**

Customized WinAlign® alignment software guides the technician through a simple, one-key, vehicle-specific measurement and adjustment process with step-by-step on-screen instructions and clear, concise graphics. The work sequence is so flexible that it is possible to move to another part of the program at any time.

■ **ELSA/ASA Network Support**

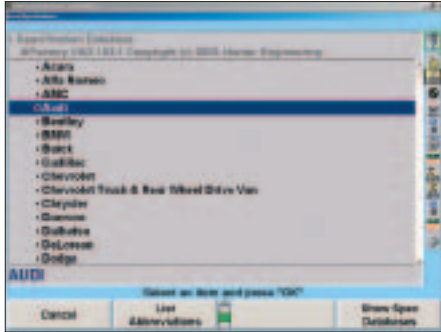
The V.A.G 1944 B Wheel Alignment System has the ability to run multiple programs concurrently and the

capability to be networked to shop management and information systems on the Internet. This system supports ASA-Network Integration and ELSA, which are important building blocks for future V.A.G workshop networking.

■ **2004 A8, Phaeton and Touareg Support***

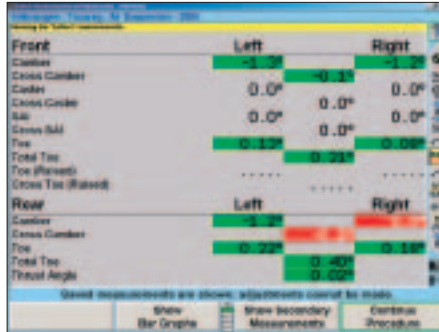
Hunter's customized WinAlign® alignment software includes new alignment procedural steps necessary for proper wheel alignments on the 2004 A8, Phaeton and Touareg.

V.A.G 1944 B WinAlign® Software Makes Alignment Easy as 1_ 2_ 3



1 Select Vehicle Make and Model

Scroll through the list and easily select the vehicle model. Using Hunter's optional WebSpecs database, technicians can obtain the latest vehicle specifications without waiting for yearly database updates.



2 Measure Angles

After performing compensation, camber, toe and thrust angle measurements are displayed on-screen. The technician is alerted if excessive runout conditions exist. Caster, SAI and Toe-Out-On-Turns measurements are displayed following a quick steering sequence.



3 Adjust Vehicle

Bar graphs show the amount and direction of adjustment required. As the technician makes adjustments, the arrow moves across the target. The target changes from red to green as the adjustment comes within the specified tolerance.

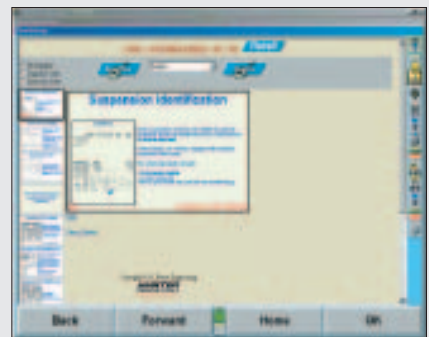
Additional Alignment "Power Features"



Digital Photo option displays digital photos of adjustment and inspection points specific to the vehicle being serviced.**



Optional Digital Video feature includes over 165 videos that show and explain the correct procedures specific to the vehicle being aligned.**



WebSpecs specification database option lets technicians download recently released manufacturer's vehicle specifications and access adjustment illustrations and digital photos from the Internet.†**

CAMM® Feature Takes the Guesswork Out of Dual Cam, Camber and Caster Adjustment

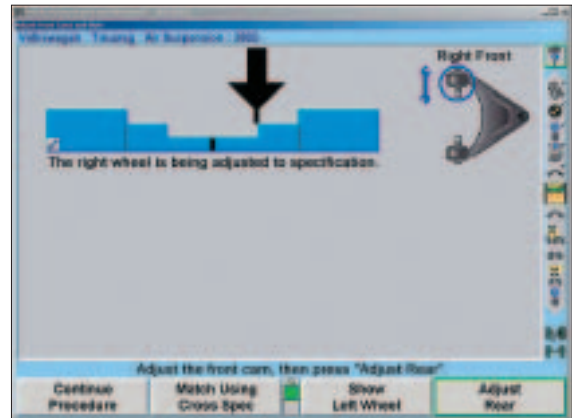
The CAMM® (Control Arm Movement Monitor) feature tracks live camber and caster adjustments showing the technician exactly how much to move the front cam, then how much to move the rear. This feature can reduce camber and caster adjustment time by half or more.

An adjustment bar graph* is displayed along with a graphic of the control arm. The front cam is adjusted until the arrow is in the center of the bar graph. Then the rear cam is adjusted the same way.

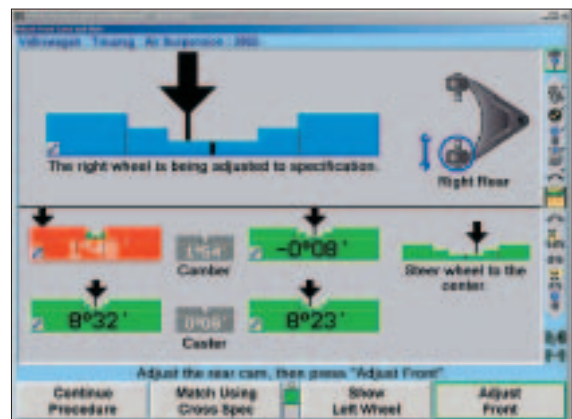
- Since the CAMM® feature computes the exact mechanical geometry of the vehicle, dual cam and dual slot adjustments can be made correctly the first time.
- The alignment technician can easily switch between front and rear control arm adjusters to fine-tune the adjustment.
- Current camber and caster measurements can be displayed for reference at operator's discretion.

Without the CAMM® feature, adjusting control arm camber and caster is trial and error!

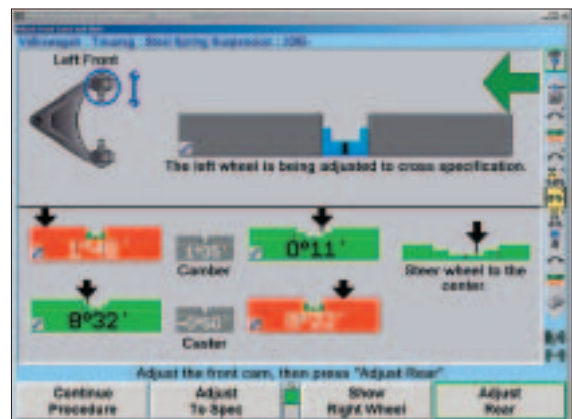
**ESTIMATED TIME SAVINGS:
7 MINUTES!**



Display for adjusting front cam on right side.



The CAMM® feature adjustments with camber and caster measurements displayed for reference.



Display for adjusting front cam on left side to match right side cross specification.

* Patented

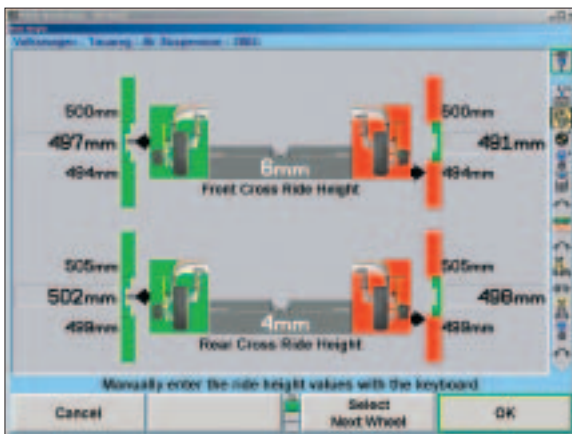
Exclusive Electronic Ride Height Feature Provides Exact Measurements in Seconds

Hunter's optional Electronic Ride Height Measurement System reduces the amount of time it takes to measure and enter data by automating the exact procedures as specified by Volkswagen and Audi. Accurate to one millimeter, Ride Height instantly displays measurements and compares them to the vehicle manufacturer's specifications.

**ESTIMATED TIME SAVINGS:
8 MINUTES!**



DSP508-XF Cordless Sensors with optional Ride Height.



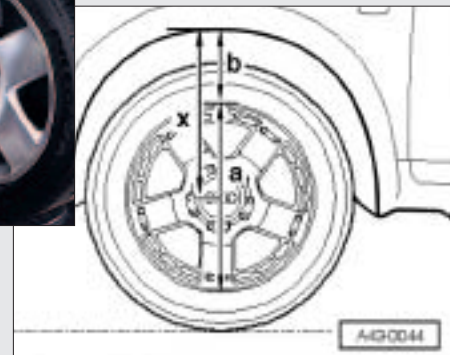
Ride height measurement results are color-coded. A completely green bar graph and wheel indicate that measurements are within tolerance. A red bar graph and wheel indicate an out-of-tolerance measurement.

IMPORTANT NOTE:

New Volkswagen and Audi models such as Touareg, Phaeton and A8 (D3) require ride height to be measured.

Without Electronic Ride Height Measurement System, getting measurements is time consuming and prone to error!

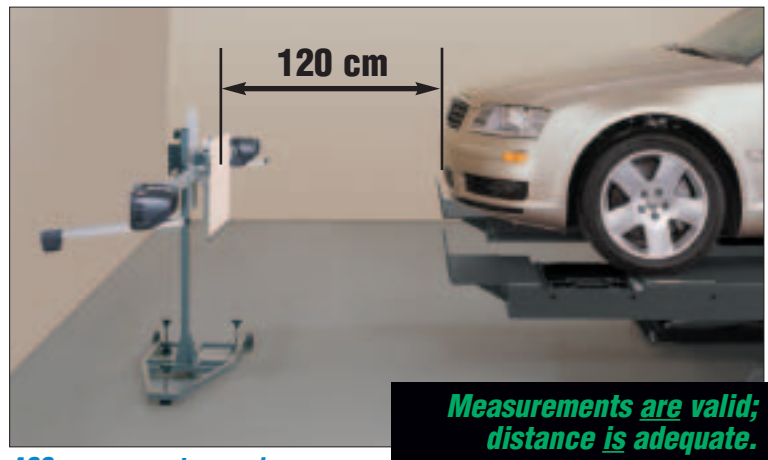
If your aligner is not equipped with Electronic Ride Height Measurement, all ride height measurements must be taken manually and entered manually. Multiple measurements are taken at each wheel. Manual calculations must then be made and results entered into the aligner using a keyboard.



Continuous Compensation Makes ADR and ACC Calibration Faster and Easier

If your alignment bay is too short to accommodate the VAS 6041 (ADR) or VAS 6190 (ACC) calibration bars, Hunter's V.A.G 1944 B Alignment System offers a solution. If the bay or lift configuration allows, the vehicle can be rolled rearward on the lift/rack until the required distance is obtained.

Hunter's exclusive, continuous compensation capability allows the vehicle to be repositioned *without having to recompensate the sensors and begin the alignment procedure over.*



ACC measurement procedure utilizing optional DSP508-XF Wheel Alignment Sensors.

**ESTIMATED TIME SAVINGS:
5 MINUTES!**



VAS 6190 ACC Calibration Bar is available through your Volkswagen Audi equipment supplier.

IMPORTANT NOTE:
V.A.G requires ADR or ACC calibration whenever vehicle alignment is adjusted.

Lift Options



RX-9-43-AU

Recommended Lift Groups

RX-9-L-43-AU

Audi Extended RX Scissor Lift with (2) swing air jacks, 4 box lift wiring kit and the rear spacer kit.

RX-9-43-AU

Audi RX Scissor Lift with (2) swing air jacks, 4 box lift wiring kit and the rear spacer kit.



RX-9-43-VW

RX-9-L-43-VW

Volkswagen Extended RX Scissor Lift with (2) swing air jacks, 4 box lift wiring kit and the rear spacer kit.

RX-9-43-VW

Volkswagen RX Scissor Lift with (2) swing air jacks, 4 box lift wiring kit and the rear spacer kit.

Lift Groups for Flush Mount Applications

RX-9-L-43-AU-P

Audi Extended RX Scissor Lift for flush-mount application with (2) swing air jacks and the rear spacer kit. No lift wiring kit included.*

RX-9-43-AU-P

Audi RX Scissor Lift for flush-mount application with (2) swing air jacks and the rear spacer kit. No lift wiring kit included.*

RX-9-L-43-VW-P

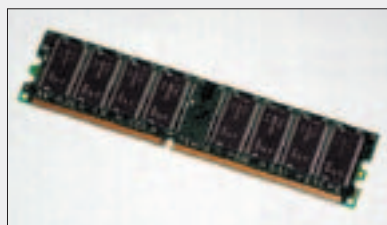
Volkswagen Extended RX Scissor Lift for flush-mount application with (2) swing air jacks and the rear spacer kit. No lift wiring kit included.*

RX-9-43-VW-P

Volkswagen RX Scissor Lift for flush-mount application with (2) swing air jacks and the rear spacer kit. No lift wiring kit included.*

** Note: A lift wiring kit cannot be lowered into the pit required for flush mount. Therefore, the electronic turnplates must plug into the sensors. Order 20-1386-1 for HFSS sensors or 20-1386-1 and 20-1469-1 for cordless or corded sensors.*

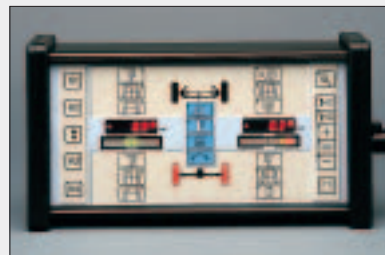
Recommended Options



20-1724-1 Memory Upgrade Kit
increases RAM from 256 MB to 512 MB



20-1761-1 Digital Photo/Video Kit



30-328-1 Remote Adjustment Indicator

Hunter Self-Centering Wheel Adaptors

Exclusive Easy-to-Use Features Provide Greater Versatility and Extra Durability

DSP500 Sensors remain centered while the technician clamps the adaptor to the rim.



20-1789-1 External Tire Clamp Adaptor
shown with Self-Centering Wheel Adaptor

Console Options

Recommended VAG 1944 B Equipment Package* (Part No. VAG1944BP)

"R" Style cabinet Series 811 console with 19" UVGA color monitor. (Also available with 19" LCD color monitor Part No. VAG1944BPLCD.)

Computer includes:

- WinAlign® Alignment Software
- Electronic Software Authorization Key for VAG software
- Two Years of VID Updates
- Two Years of WebSpecs®
- Intel Pentium 4 Processor – 2.6 GHz (or greater)
- 256 MB RAM
- 40.0 GB HDD (minimum)
- 1.44 MB 3.5" Floppy Drive
- Single DVD Drive
- USB 2.0
- Network Module
- Modem Module
- Mouse
- Windows® 2000 Professional
- Digital-Photo Option
- Digital-Video Option
- One Year Subscription to UnderCarInfo.NET
- One Year Subscription to ShopResults.NET™
- HP Color Printer
- Keyboard
- iShop™ and ASANet™ compatible

Standard Accessories:

- (4) DSP508-XF Cordless Sensors with Universal Self-Centering Adaptors and Docking Stations
- Steering Wheel Holder
- Brake Pedal Depressor
- (2) Electronic Turnplates with Covers
- Rear Leveling Plates Kit for use with Electronic Turnplates
- Kit to Modify VAG Alignment Tool for Hunter Racks
- Baffle Kit for VAG Alignment Tool

Upgrades For Existing V.A.G 1944 Aligners

V.A.G 1944 B upgrade kits are designed to work with specific consoles. Each upgrade kit includes new V.A.G Software, an Electronic Key and meets requirements of the V.A.G 1944 B Compliance for upgrading computerized wheel alignment systems.*

Some upgrades may require a printer, color monitor or other additional hardware. Contact your local Hunter Representative to determine which upgrade kit is right for you.

* All new configurations include a 3-year warranty on PC and installed components.

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



Basic Compliance VAG 1944 B Equipment Package (Part No. VAG1944B)

"R" Style cabinet Series 811 console with 19" UVGA Color monitor.

Computer includes:

- WinAlign® Alignment Software
- Electronic Software Authorization Key for VAG software
- Two Years of VID Updates
- Intel Celeron Processor – 2.0 GHz (or greater)
- 256 MB RAM
- 40.0 GB HDD (minimum)
- 1.44 MB 3.5" Floppy Drive
- Single DVD Drive
- USB 2.0
- Network Module
- Mouse
- Windows® 2000 Professional
- HP Color Printer
- Keyboard
- iShop™ and ASANet™ compatible

Standard Accessories:

- (4) DSP508-XF Cordless Sensors with Universal Self-Centering Adaptors and Docking Stations
- Steering Wheel Holder
- Brake Pedal Depressor
- (2) Electronic Turnplates with Covers
- Rear Leveling Plates Kit for use with Electronic Turnplates
- Kit to Modify VAG Alignment Tool for Hunter Racks
- Baffle Kit for VAG Alignment Tool

Visit our Web site at www.hunter.com

HUNTER

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