



The Power Of Performance-Driven Design



Arago V3D
Imaging Alignment System



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Maximize Profits With Patented Technology

The Arago V3D is the fastest, most accurate aligner in the industry. Thanks to its DigiSmart™ technology, the Arago V3D's cameras track all four vehicle targets automatically and at any height. Rolling compensation can be performed without lifting the vehicle, guaranteeing readings in 2 minutes - now that's fast! The Arago V3D is perfect for those shops handling a high volume of alignments and looking for dramatic improvements in productivity and profitability.

The Arago V3D Imaging Alignment System will enable you to:

- Work at any height, eliminating the need to crawl under the vehicle to perform adjustments
- Catch errors before they cost you money
- Handle a wide range of vehicles
- Reduce correction times and Increase productivity
- **MAKE MORE MONEY!**



Building On A History Of Innovation

In the 1920's, Snap-on Equipment Engineers invented mechanical wheel alignment. Then in 1994, they patented the imaging alignment technology that is now found in every imaging system*. The engineers continued to bring innovative changes, like the Arago V3D, which represents the latest in imaging alignment capabilities and furthers Snap-on Equipment's position as pioneers in alignment technology.



* U.S. Patent Number 5,535,522

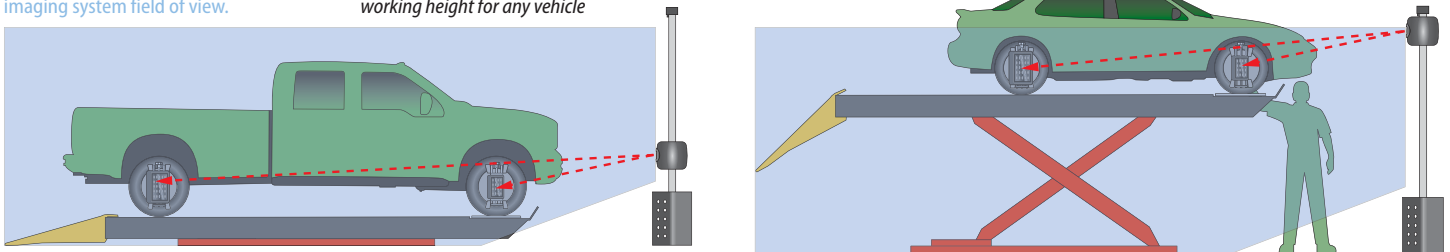
DigitSmart™ Technology

The Arago V3D relies on three DigiSmart imaging cameras to provide real-time 3D measurements. Two of the imaging cameras automatically capture the wheel targets on the vehicle, and the third imaging camera establishes the distance between the other two cameras.

Advanced software enables the imaging cameras to automatically adjust their height when the vehicle is raised or lowered, ensuring the targets are always in view, and allowing the technician to perform adjustments at a comfortable working height. Technicians will also enjoy the benefit of being able to perform rolling compensation without lifting the vehicle. The safety and convenience of raising the vehicle to an optimal working height will reduce technician fatigue and correction times, resulting in an increasingly productive workforce and increased profits.

Shaded area represents the imaging system field of view.

Arago V3D self-adjusts to optimum working height for any vehicle



Productivity-Enhancing Features



EZ-Access Software*

- Avoid having to work around the wheels when making adjustments
- Access hard-to-reach adjustment points that would be impossible to adjust with the wheels in the way
- Eliminate guess-and-check work - see results of your adjustments while you make them - even with the wheels off
- Perfect for quick and easy installation of aftermarket suspension kits as well as OEM adjustments
- Reduces strain and fatigue on your technicians

Intuitive Measurement

- Turn the steering wheel ONCE to the left and right to see measurement of caster, toe-out-on-turns or maximum steering angle



3D Animation

- Provides vehicle-specific adjustment information with easy-to-understand 3D graphics
- Refers to spare parts or special tools as applicable



* Patented and/or Patent-Pending Features

Productivity-Enhancing Features (Continued...)



Universal Wheel Clamps

- Handle wheel diameters ranging 11" to 24" standard (up to 28" with optional clamp extensions EAK0268J62A)
- Interchangeable grippers minimize wheel damage

Ride Height*

- Review vehicle specs & request input from the technician for those vehicles requiring ride height measurement
- Measure manually or use the Target Imaging Pointer (TIP)



Optional Alloy Quick Clamp

- EAK0268J63A - Clamp accurately and safely on the tire to avoid scratching the wheel

Rolling Radius*

- Identify mismatched tire sizes - a potential cause of vehicle pulling and driver complaints
- Prevent damage to vehicles with all-wheel drive and ABS

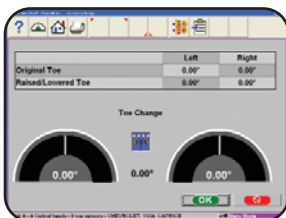


VODI*™

- Vehicle Orientation Directional Indicator
- Guides technician through measuring process
- Reduce the amount of time spent walking back and forth from the vehicle to the aligner console

EZ-Toe*

- Adjust front toe quickly
- Steer through full range of motion and maintain toe measurement at all times
- Eliminate redundant steps in front toe adjustments



Toe Curve (Bump Steer)

- Measure changes in front toe as suspension height changes, which can effect directional stability

A-Arm Adjust

- Achieve precise setting of difficult A-ARM adjustments, without the use of manual calculations or approximation



Software for Modified Vehicles*

- Minimize tire wear for vehicles with aftermarket wheels or other modifications
- Optimize handling characteristics by comparing the impact of modifications to OEM specifications and making appropriate adjustments

* Patented and/or Patent-Pending Features



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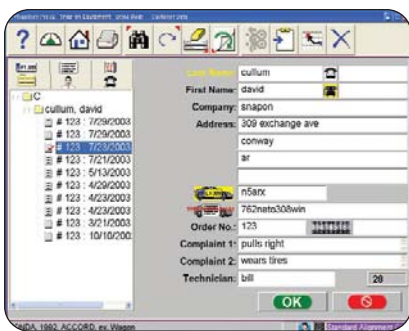
Pro-32 Alignment Software®

Easy-To-Use and Packed with Advanced Diagnostics!

The core of the Arago V3D is a Windows-based software package that provides a variety of advanced capabilities. The technician interacts with the Arago V3D through a menu-based interface.



- Find the appropriate function quickly with clean, simple graphics and large icons
- Turn any technician into an alignment expert in no time with step-by-step job instructions and by reviewing on-screen 3D images of the area of the vehicle to be adjusted
- Use the software as a selling tool when communicating needed repairs to your customers
- Print full color reports of before and after service alignment readings to enhance customer loyalty
- Stay current and handle virtually any vehicle that comes in the shop with OEM specifications
- Rely on a comprehensive manufacturer database that spans 25+ years



Customer Database

- Access & modify customer history
- Sell more service by reviewing & recommending the right service, at the right time



OEM Wizard

- Guarantee accurate repairs by referencing measurements, procedures and adjustment information from OEM's worldwide



ShopKey™

- Maintain consistency with OEM specs and access resource libraries with links to ShopKey™, iShop™, or ASANet™ (Europe)



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FEATURES

Productivity-Enhancing Features

- Zoom Readings
- Individual Camber
- Individual Toe
- Individual Caster
- Front Caster (-28° to +28°)
- Front & Rear Camber (-15° to +15°)
- Advanced Alignment Measurements with Reading/Specifications and Cross Values
- Meter Screens
- Live 3D Modeling*
- Voice Align™* (Optional)
- Remote Control
- 3D Animation
- Video Help
- A-Arm Adjustments
- Adjust Camber Only
- Elevated Adjustments
- Cradle Adjustments
- Drag Link Adjustments
- 4-Wheel Steer Adjust
- Rear Shim Programs
- Multiple Lift Support
- EZ-Access* (Wheels-Off Alignment)

Measurements

- Front Readings
- Rear Readings
- All Readings
- SAI & Thrust Angle

Productivity-Enhancing Features (Continued...)

- Driver Complaint Diagnostics
- A.I. Alignment Diagnostics
- Adjustment Help Files
- EZ-Track Database
- Vehicle Specs: 25+ Years
- EZ-Toe*
- Ride Height*
- Vehicle Dimensioning *Plus*
- User Login
- 2-Wheel Alignment
- Scrub Radius*
- Caster Trail*
- Pro-Ackerman™*
- Rolling Radius*
- Cross-Diagonal*
- Steering Asymmetry with Diagnostics*
- Programmable Alignment Wizards
- OEM Wizards
- Set-back In Align Path
- Thrust Align Only
- Selectable Cross Values
- 28 Languages
- Custom Inspections

Measurements (Continued...)

- Included Angle
- Toe-Out-On-Turns
- Front and Rear Toe
- Track Width

Productivity-Enhancing Features (Continued...)

- Multiple Print Formats
- Inspections and Reports
- Shop Management Interface
- DigiSmart™ Auto-Tracking Camera System
- Custom Vehicle Specifications
- Regional Specifications
- Calibration History
- Aligner System Diagnostics
- Backup/Restore of Calibration and Setup Data
- Integrated Help System (PDF)
- Tools, Parts, and Adjustment Instructions
- Advanced Customer Database with Backup/Restore
- Multiple Units of Measure
- Caster and SAI Turntables
- SAI Elevated
- Live Caster, Camber and Toe – Turntables
- Live Caster, Camber and Toe – Elevated
- NorthStar Shim Program
- Light Truck Bushing
- iShop™, ShopKey™, ASANet™ Compatible

Measurements (Continued...)

- Wheelbase
- Front & Rear Set-back
- FrameCheck™ Light Truck Frame Angle

SPECIFICATIONS

Equipment Specifications

- Wheel Size: 11" - 24"
- Tire Diameter: Unlimited
- Track Width: 48" - 96"
- Wheel Base: 79" - 180"
- Power Requirements: 120/230V, 1Ph, 60Hz

Standard Accessories

- Universal Wheel Clamps/Targets: *EAK0268J52A*
- Steering Wheel Holder: *00055502000*
- Brake Pedal Depressor: *00000096000*
- Remote Control: *EAK0289J23A*
- Color Ink Jet Printer: *EAK0268J05A*
- Ride Height Target Kit: *EAK0256J71A*

Recommended Accessories

- Premium Turntables: *EAK0289J06A*
- Paddle Kit (for *EAK0289J06A*): *EAK0277J28A*
- 4-Post Rollback Kit: *EAK0277J39A*
- 12K Scissor Rollback Kit: *EAK0277J40A*

Optional Accessories

- Universal Wheel Clamp Ext. Kit: *EAK0268J62A*
- Alloy Quick Clamp Kit: *EAK0268J63A*
- Voice Align™ Kit: *EAK0222J17A*
- Frame Angle Gauge: *8-05320A*

Recommended Accessories (Continued...)

- 10K/14K Scissor Rollback Kit: *EAK0277J67A*
- Hunter/Rotary Rollback Kit: *EAK0277J45A*
- 12K Scissor Roll Forward/Rollback: *EAK0277J47A*

Optional Accessories (Continued...)

- Remote Display Readout: *EAK0268J08A*
- Convex Mirror: *P-1826*
- Hub Adapter Kit: *EAK0222J83A* (Wheels-Off Alignment)

* Patented and/or Patent-Pending Features

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