



The Power Of Performance-Driven Design

Arago V3D
Imaging Alignment System

JohnBean™

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!**



EEWA550AL22

Drive-On Camera Aid (Optional)

The Drive-On Camera Aid eliminates the need for assistance with positioning the vehicle on the lift.

Drive-On Camera Aid
EAK0289J91A



VIN Scanner (Optional)

The VIN Scanner allows the technician to scan the Vehicle Identification Number and automatically input it into the aligner, saving time and eliminating the possibility of operator error.

VIN Scanner
EAK0289J86A



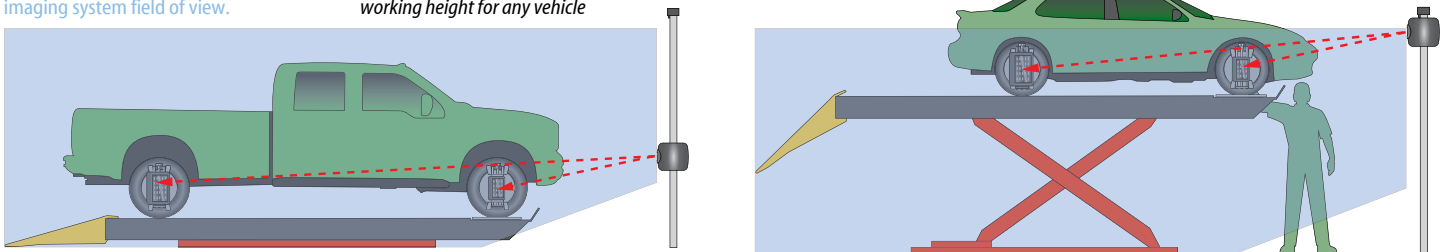
DigiSmart™ Technology

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



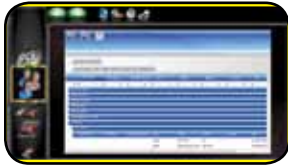
3D Animation

- 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...)



Customer Database

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

Ride Height*

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



OEM Wizard

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

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

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



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



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

Shop Information

- Maintain consistency with OEM specs and access resource libraries with links to Information Systems

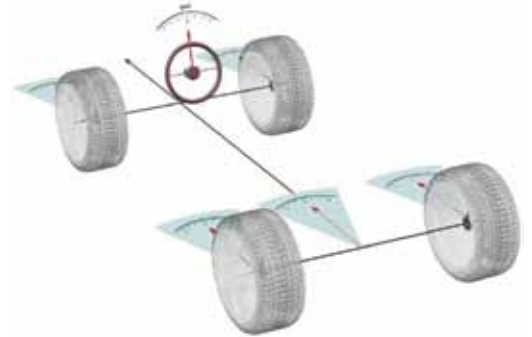


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EZ-Link™* Steering Angle Sensor (SAS) Reset

EZ-Link™ software alerts the technician of OEM service and maintenance procedures related to Electronic Stability Control and Electric Power Steering systems.

OEM instructions guide the technician through the process of resetting the steering angle sensors along with other sensors as required. EZ-Link™ includes manual as well as electronic resets.



⚠ Determine if this vehicle is equipped with Electronic Power Steering (EPS)

After replacing the power steering motor and module assembly 3 procedures must be performed. Steering Position Sensor Calibration, Torque Sensor Calibration and Steering Tuning.

If replacing the steering column assembly only, the Steering Position Sensor and the Torque Sensor Calibration procedures must be performed.

The Steering Position Sensor and Torque Sensor Calibration procedures should also be performed after a suspension alignment.

Certain steering symptoms such as uneven return to center, poor center feel, uneven left/right assist, can be corrected by performing the Steering Position Sensor and Torque Sensor Calibration procedures.

The Torque Sensor Calibration:

1. Turn the Ignition OFF. Install the scan tool.

Optional EZ-Stream™*

Optional EZ-Stream™* hardware communicates with the vehicle's computer & aids the technician with service of on-board computer data relative to computerized steering systems.



EAK0284B10A1

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FEATURES

- DigiSmart™* Auto-Tracking Camera System
- EZ-Access* (Wheels-Off Alignment)
- Software for Modified Vehicles
- Advanced Vehicle Dimensions
- Pro-Ackerman™*
- Scrub Radius*, Caster Trail*, and SAI
- Information Systems Compatible
- TPMS Information
- Technical Service Bulletins
- Track Width
- Wheelbase
- Front and Rear Set-back
- Live 3D Modeling*
- Cradle Adjustments
- Intuitive Caster Measurement
- Drag Link Adjustments
- Single Tie Rod Adjust
- Toe Curve Change
- Vehicle Dynamics
- Roll Forward & Split-Positioning Sequence
- Rolling Radius*
- Cross Diagonal*
- Custom Inspections and Reports
- Multiple Alignment Wizards (Including Custom)
- SAI and Thrust Angle
- Included Angle
- Toe Out On Turns/Max Turn
- Front and Rear Toe
- Front/Rear/All/Zoom Readings
- FrameCheck™ Light Truck Frame Angle
- Initial/Final Color Printouts
- Individual Camber/Caster/Toe
- Front Caster (-28° to +28°)
- Front & Rear Camber (-15° to +15°)
- 3D Animation
- Video Help
- A-Arm Adjustments
- Adjust Camber Only
- Elevated Adjustments
- Rear Shim Programs
- Multiple Lift Support (3)
- Vehicle Specs: 25+ years
- EZ-Link™*
- EZ-Stream™* (Optional)
- EZ-Toe™*
- Steering Wheel Level Check
- Drive-On Camera Aid Ready
- Equalize Toe Warning
- Adjust Front Before Rear Warning
- Ride Height*
- Multiple Clamp Support
- 2-Wheel Alignment
- 32 Languages
- Multiple Print Formats
- Custom Vehicle Specifications
- Regional Specifications
- Integrated Help System (PDF)
- Tools, Parts, and Adjustment Instructions
- Advanced Customer Database with Backup/Restore
- Multiple Units of Measure
- Caster and SAI on Turntables
- SAI Elevated
- Live Caster, Camber and Toe - Turntables
- Live Caster, Camber and Toe - Elevated
- NorthStar Shim Program
- Light Truck Bushing
- Remote Control

SPECIFICATIONS

Equipment Specifications

- Wheel Size: 13" - 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*
- 10K/14K Scissor Rollback Kit: *EAK0277J67A*
- Hunter/Rotary Rollback Kit: *EAK0277J45A*
- 12K Scissor Roll Forward/Rollback: *EAK0277J47A*

Optional Accessories

- Universal Wheel Clamp Ext. Kit: *EAK0268J62A*
- Alloy Quick Clamp Kit: *EAK0268J63A*
- Frame Angle Gauge: *8-05320A*
- Remote Display Readout: *EAK0268J08A*
- Convex Mirror: *EAK0289J35A*
- EZ-Stream™*: *EAK0284B10A*
- Hub Adapter Kit: *EAK0222J83A* (Wheels-Off Alignment)
- VIN Scanner Kit: *EAK0289J86A*
- Drive-on Camera Aid: *EAK0289J91A*

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