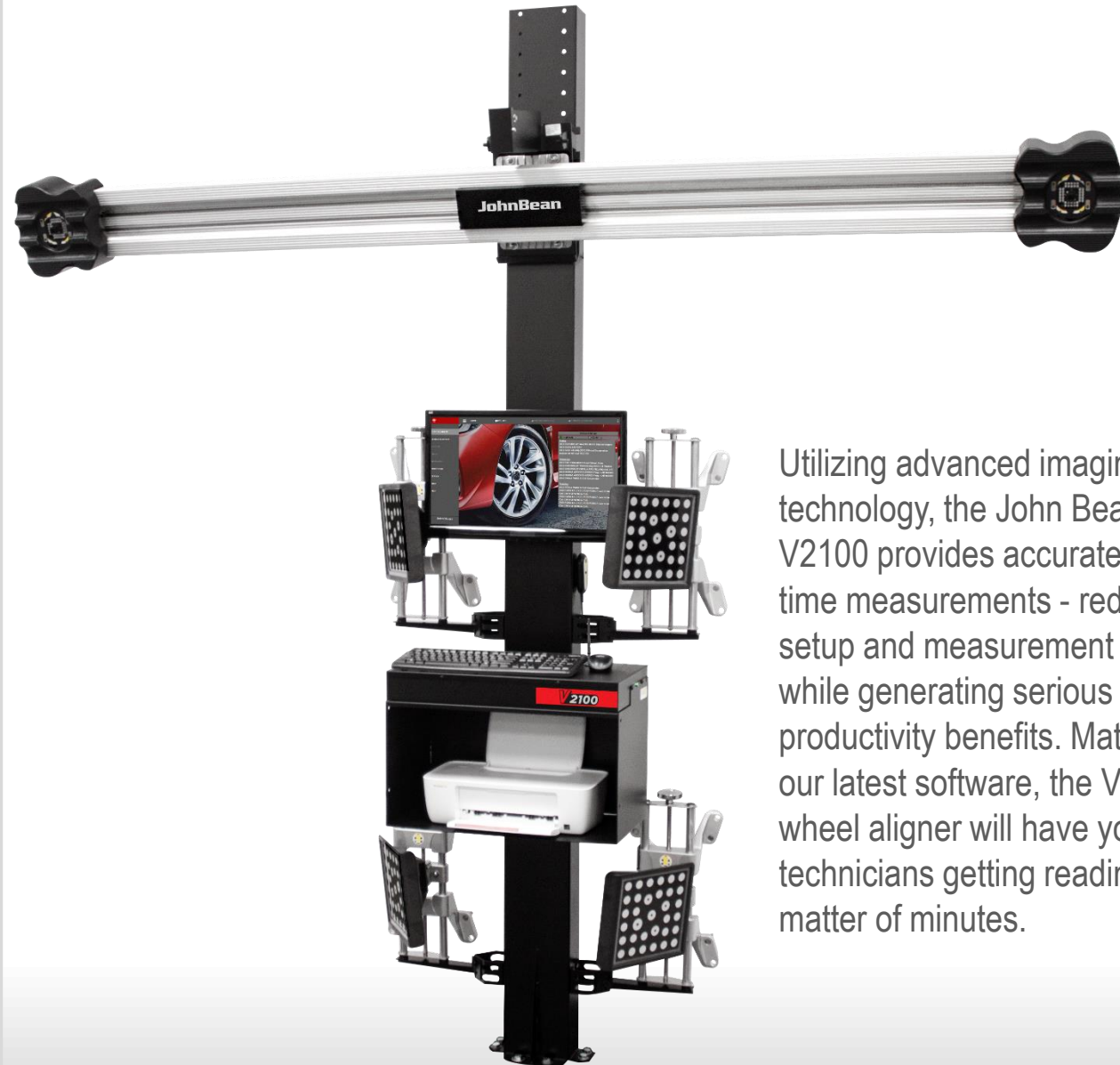


V2100

IMAGING
WHEEL ALIGNMENT
SYSTEM

JohnBean
A division of Snap-on, Inc



Utilizing advanced imaging technology, the John Bean® V2100 provides accurate, real-time measurements - reducing setup and measurement times while generating serious productivity benefits. Matched with our latest software, the V2100 wheel aligner will have your technicians getting readings in a matter of minutes.

3D IMAGING WHEEL ALIGNMENT MACHINE

For passenger cars and light duty trucks

Small footprint, designed to do alignments fast and with the highest degree of precision

V2100

IMAGING
WHEEL ALIGNMENT
SYSTEM

JohnBean
A division of Snap-on, Inc



DESIGNED FOR SHOPS WHO DO:

- **SUSPENSION**
- **STEERING**
- **TIRE WORK**

- Space smart footprint optimized | mounts close to the wall
- Integrated design | everything in one location
- Connected and informed | WiFi ready
- Compact and practical

V2100

IMAGING WHEEL ALIGNMENT SYSTEM

JohnBean
A division of Snap-on, Inc

OPTIONAL TILT BEAM MECHANISM

Raise the alignment lift to any comfortable working position

EXTRUDED ALUMINUM CAMERA BEAM

Rigid support for added consistency and precision yet lightweight

Counterbalanced to minimize the load on the electric motor.

Provides smooth vertical motion

HD CAMERAS

High resolution cameras acquire the data faster

Software

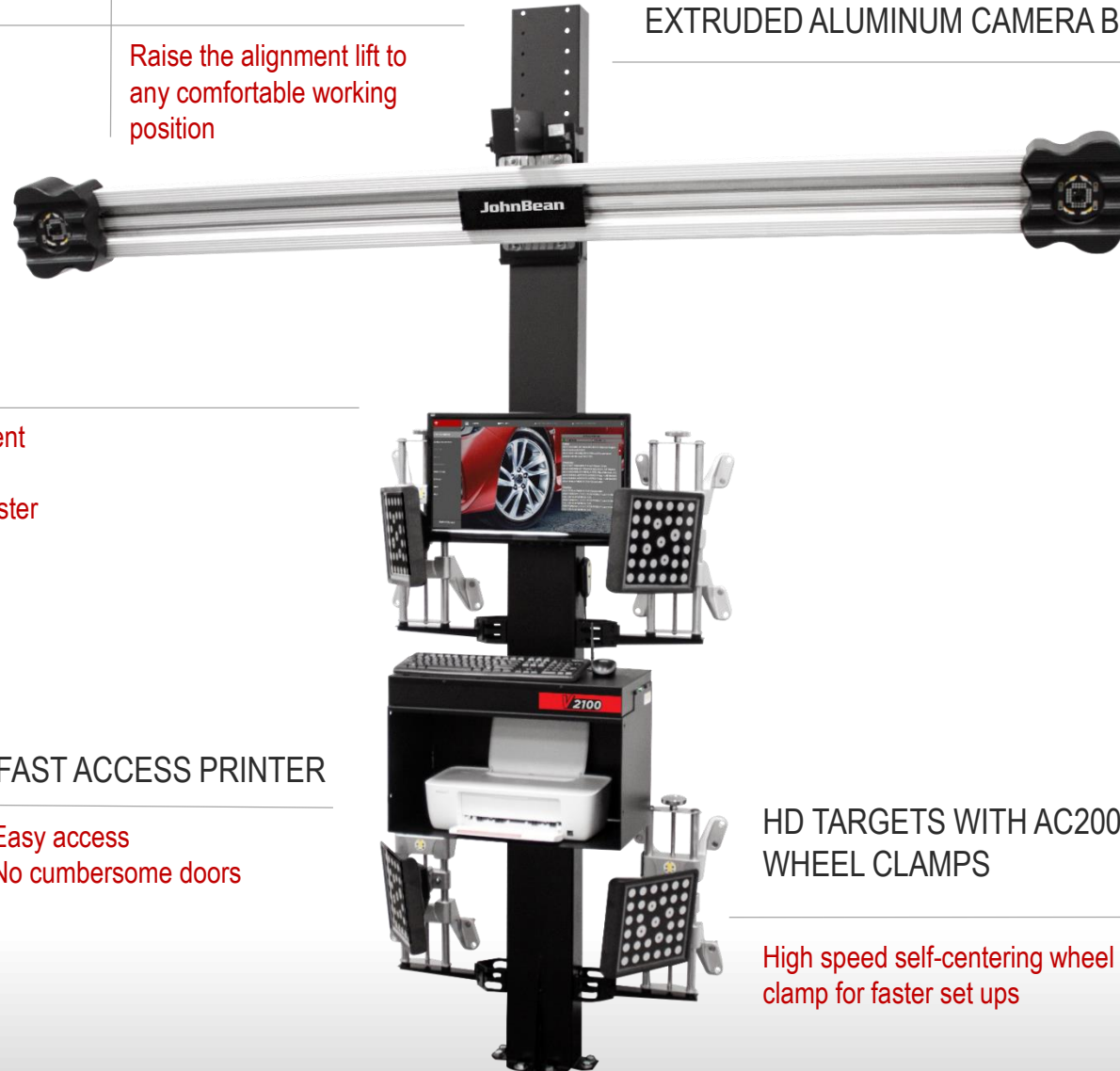
Fastest wheel alignment software
Get to the readings faster and start making adjustments sooner.
Beat the flat rate time

FAST ACCESS PRINTER

Easy access
No cumbersome doors

HD TARGETS WITH AC200 WHEEL CLAMPS

High speed self-centering wheel clamp for faster set ups



SPEED and EASE of USE

Do more alignments faster
and better
Without tying up too much
shop real estate

V2100

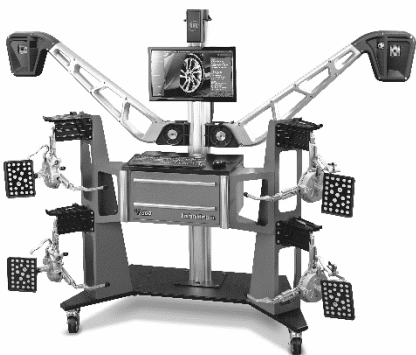
IMAGING WHEEL ALIGNMENT SYSTEM

JohnBean
A division of Snap-on, Inc

WHEEL ALIGNMENT EQUIPMENT

State-of-the art technology in an affordable package

Fast and easy to use



V3300
Three camera system
Portable
Mobile
Audit capable
For high volume and high
production shops



V1200
Break the space barrier
Portable
For smaller bays and low volume shops



V2100

- Two Camera System
- Tilt beam option
- Passenger cars and light duty trucks up-to one ton
- OEM standard production vehicles
- Short and extended wheelbase
- Four wheel alignment
- Thrust line alignment
- Two wheel alignment



V2100

IMAGING
WHEEL ALIGNMENT
SYSTEM

JohnBean
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WHEEL ALIGNMENT EQUIPMENT

State-of-the art technology in an affordable package

Fast and easy to use

V2100 Productivity Power Tools

V2100

- Two Camera System
- Tilt beam option
- Passenger cars and light duty trucks up-to one ton
- OEM standard production vehicles
- Short and extended wheelbase
- Four wheel alignment
- Thrust line alignment
- Two wheel alignment



- EZToe
- Cradle Adjust
- Elevated adjustments
- A-arm adjustment
- Eccentric cams adjustment
- Slotted control arms adjustment
- Vehicle Dimensioning (basic)

V2100

IMAGING
WHEEL ALIGNMENT
SYSTEM

JohnBean
A division of Snap-on, Inc

WHEEL ALIGNMENT EQUIPMENT

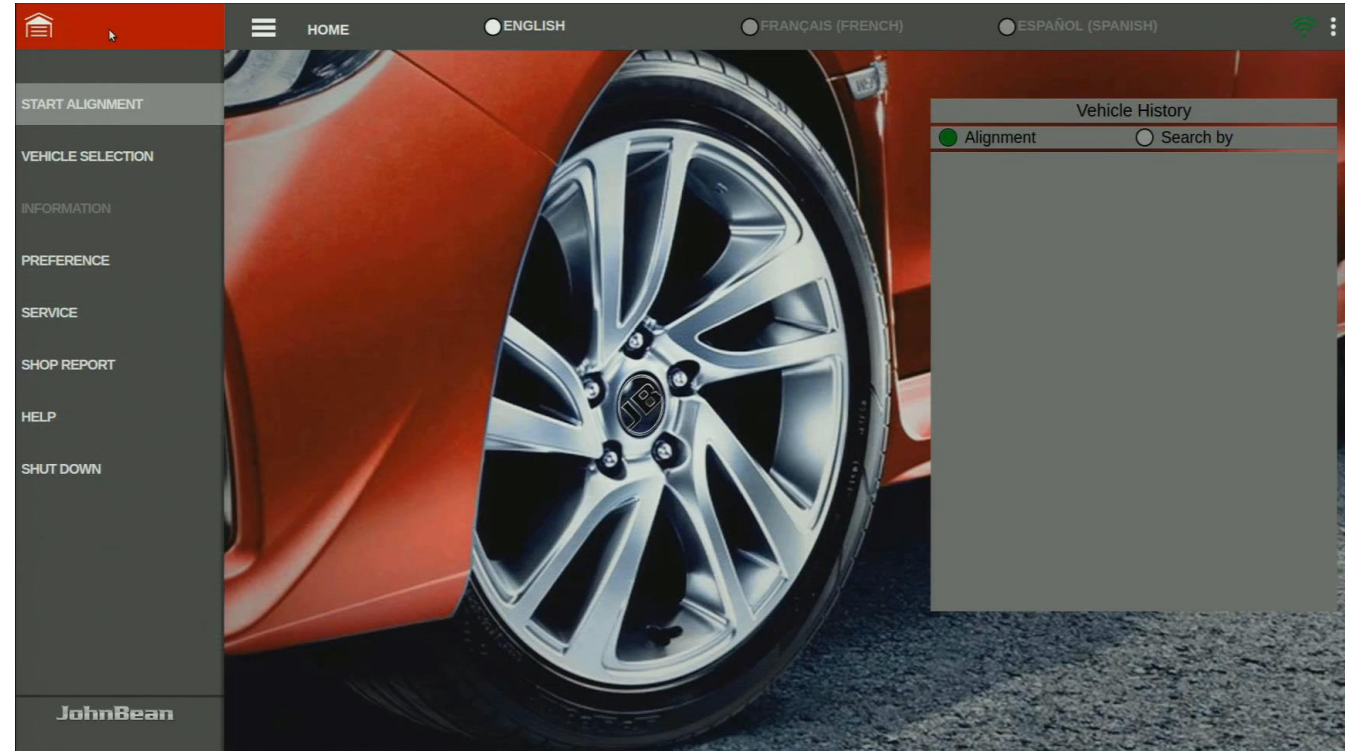
State-of-the art technology in an affordable package

Predictive Vehicle Selection



V2100 Vehicle Selection

- Using an optional Vin reader
- Using the vehicle history
- Entering the VIN manually
- Manual Make, Model, Model year entry



V2100

IMAGING WHEEL ALIGNMENT SYSTEM

JohnBean
A division of Snap-on, Inc

WHEEL ALIGNMENT EQUIPMENT

State-of-the art technology in an affordable package



V2100 OEM Alignment Procedure

- Full undercar repair support
- Detailed step-by-step vehicle specific procedures
- Torque specs
- And more....

Predictive Vehicle Selection

VEHICLE INFORMATION | VEHICLE SELECTION | FORD 2015 MUSTANG (Performance Package Coupé, Track Package Coupé)

The highlighted adjustments may require additional parts

	min	pref	max	cross	min	pref	max
Front							
Caster	6.16°	6.91°	7.66°	+/- ---	6.16°	6.91°	7.66°
Camber	-1.78°	-1.03°	-0.28°	+/- ---	-1.78°	-1.03°	-0.28°
SAI	---	---	---	---	---	---	---
Individual Toe	-0.10°	0.00°	0.10°		-0.10°	0.00°	0.10°
Total Toe			min -0.20°	pref 0.00°		max 0.20°	
Rear							
Camber	-2.25°	-1.50°	-0.75°	+/- ---	-2.25°	-1.50°	-0.75°
Individual Toe	0.01°	0.12°	0.21°		0.01°	0.12°	0.21°
Total Toe			min 0.03°	pref 0.23°		max 0.43°	
Thrust Angle			-0.50°	0.00°	0.50°		

This vehicle requires loading

Technical Service Bulletins

Enter search term or TSB number

Recalls (6)

- Accessories Control Systems (2)
- Anti-Theft Systems (3)
- Auxiliary Emission Control Systems (4)
- Body Interior (2)
- Charging Systems (1)
- Clutch (1)
- Collision/Avoidance (1)
- Cooling System (Mechanical) (2)
- Cruise Control Systems (1)

JohnBean

BACK NEXT

V2100

IMAGING
WHEEL ALIGNMENT
SYSTEM

WHEEL ALIGNMENT EQUIPMENT

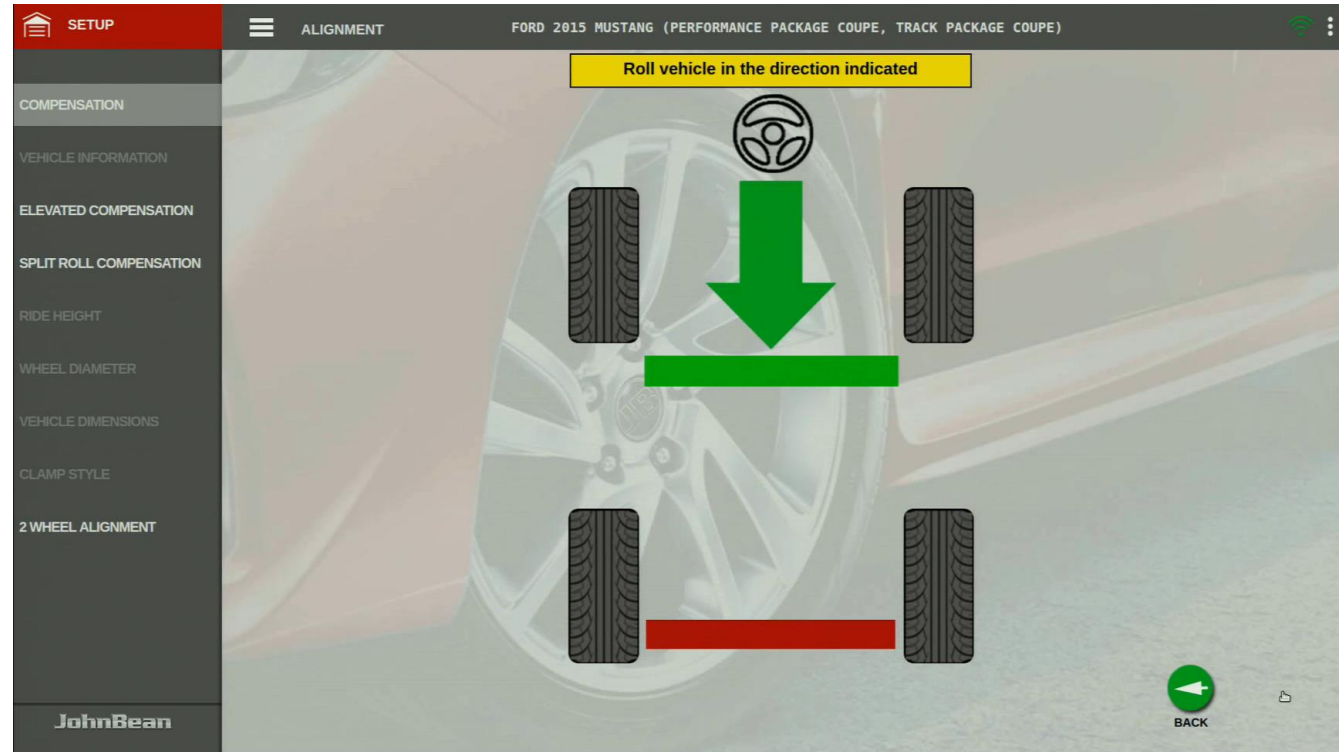
State-of-the art technology in an affordable package

Fast Roll Back



V2100 Fast Roll Back

- Two step, all wheels simultaneous data acquisition
- Great for all wheel drive vehicles, there is no need to jack the vehicle up



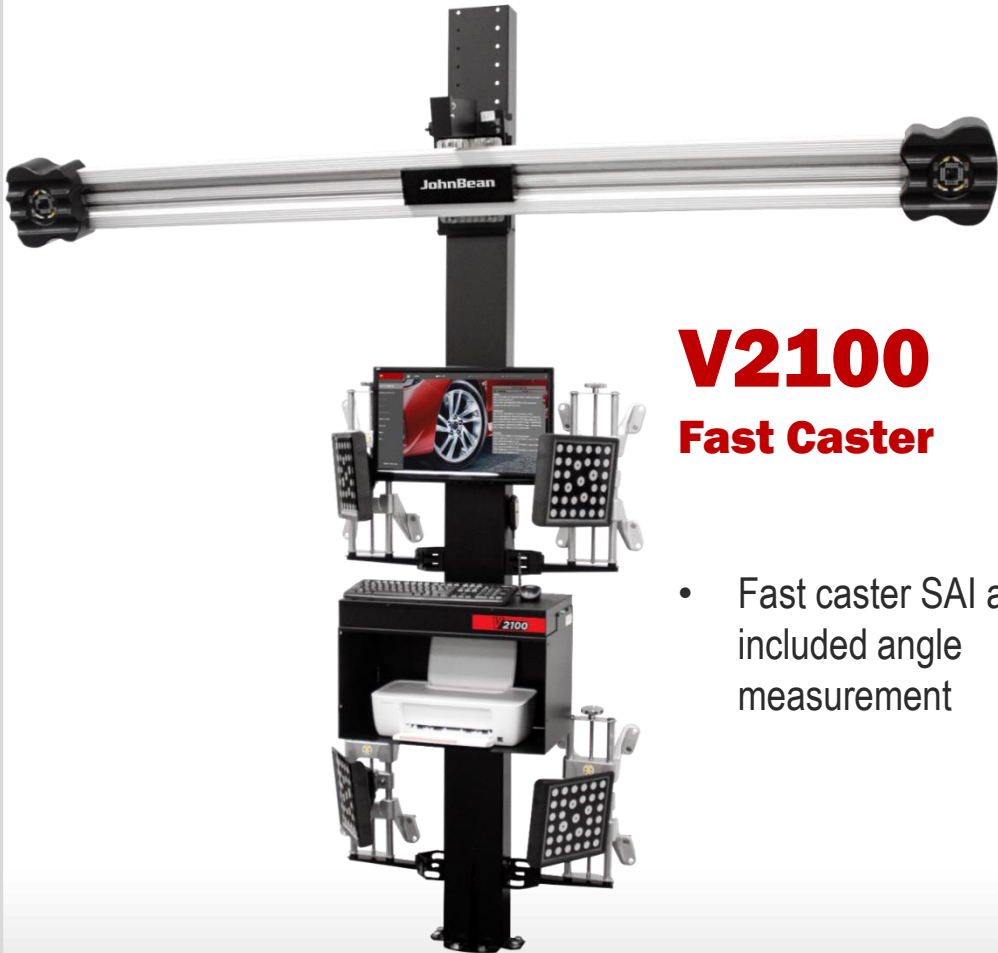
V2100

IMAGING
WHEEL ALIGNMENT
SYSTEM

WHEEL ALIGNMENT EQUIPMENT

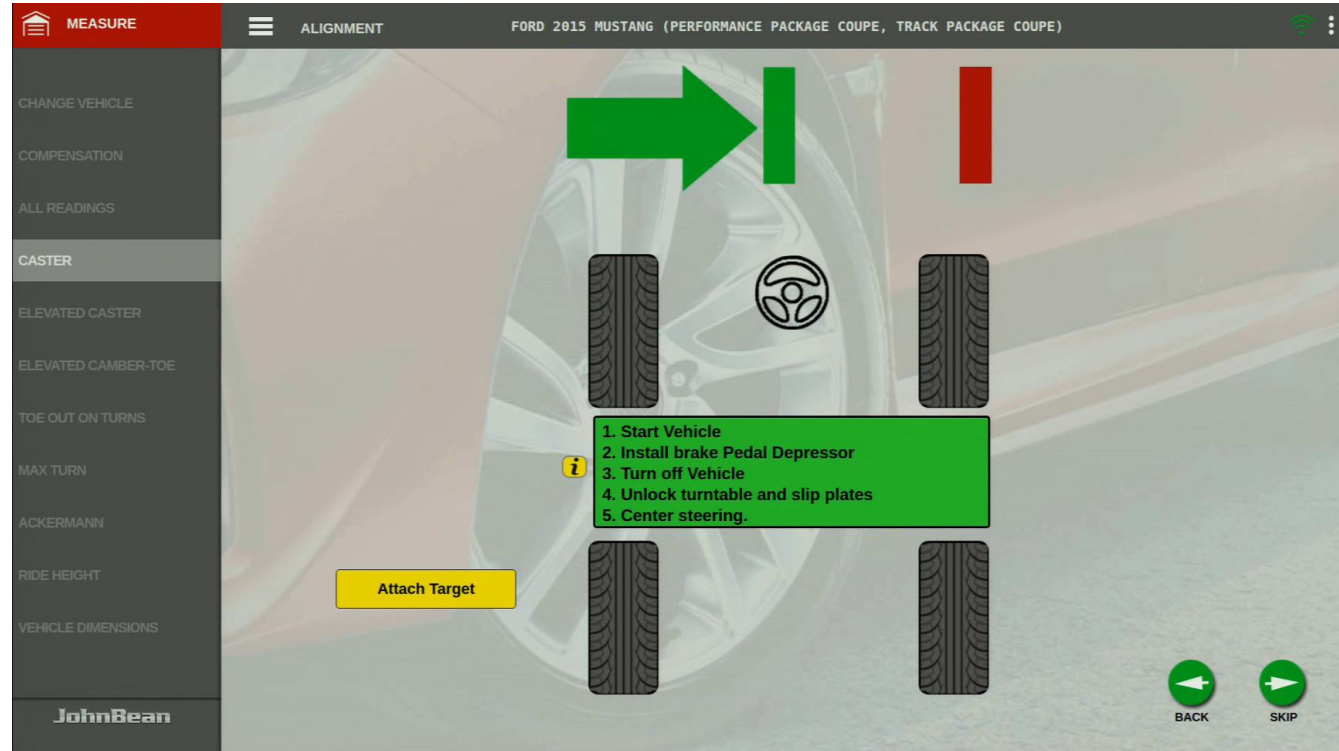
State-of-the art technology in an affordable package

Fast Caster



V2100 Fast Caster

- Fast caster SAI and included angle measurement



V2100

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WHEEL ALIGNMENT
SYSTEM

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WHEEL ALIGNMENT EQUIPMENT

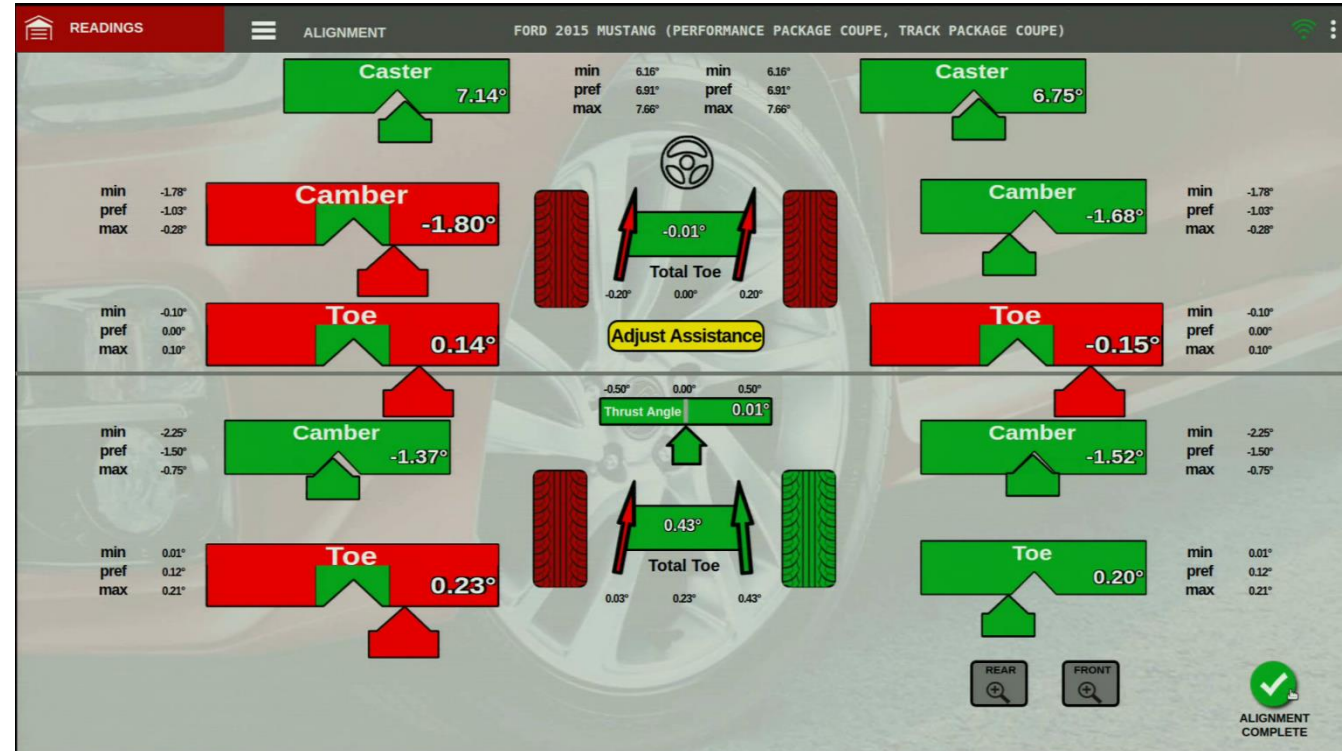
State-of-the art technology in an affordable package

All Readings



V2100 All READINGS

- Make all your adjustments on this one screen
- Fast, easy, and convenient



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WHEEL ALIGNMENT
SYSTEM

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WHEEL ALIGNMENT EQUIPMENT

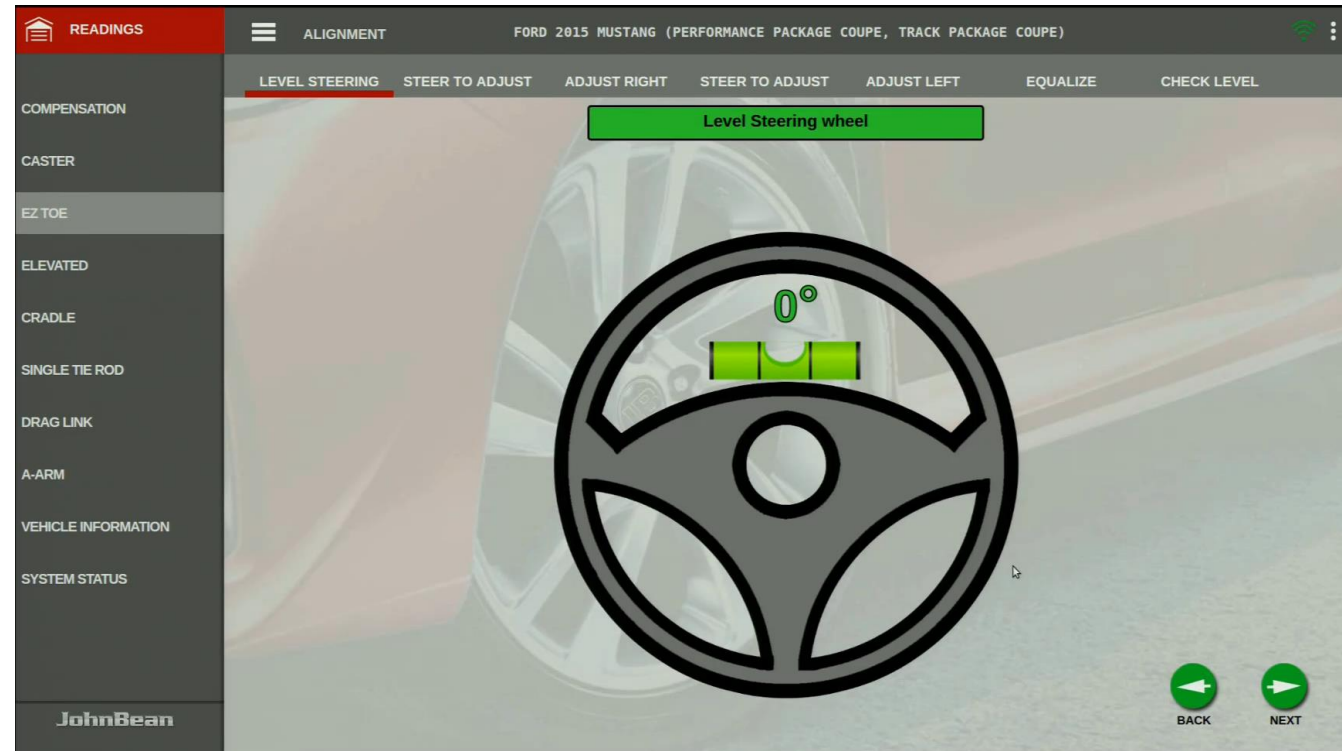
State-of-the art technology in an affordable package

EZToe for straight steering wheels every time



V2100 Power Tools

- EZToe
- For all vehicles including electronic stability controlled vehicles, electromechanical power steering, and ADAS equipped vehicles



STEERING LEVEL CHECK

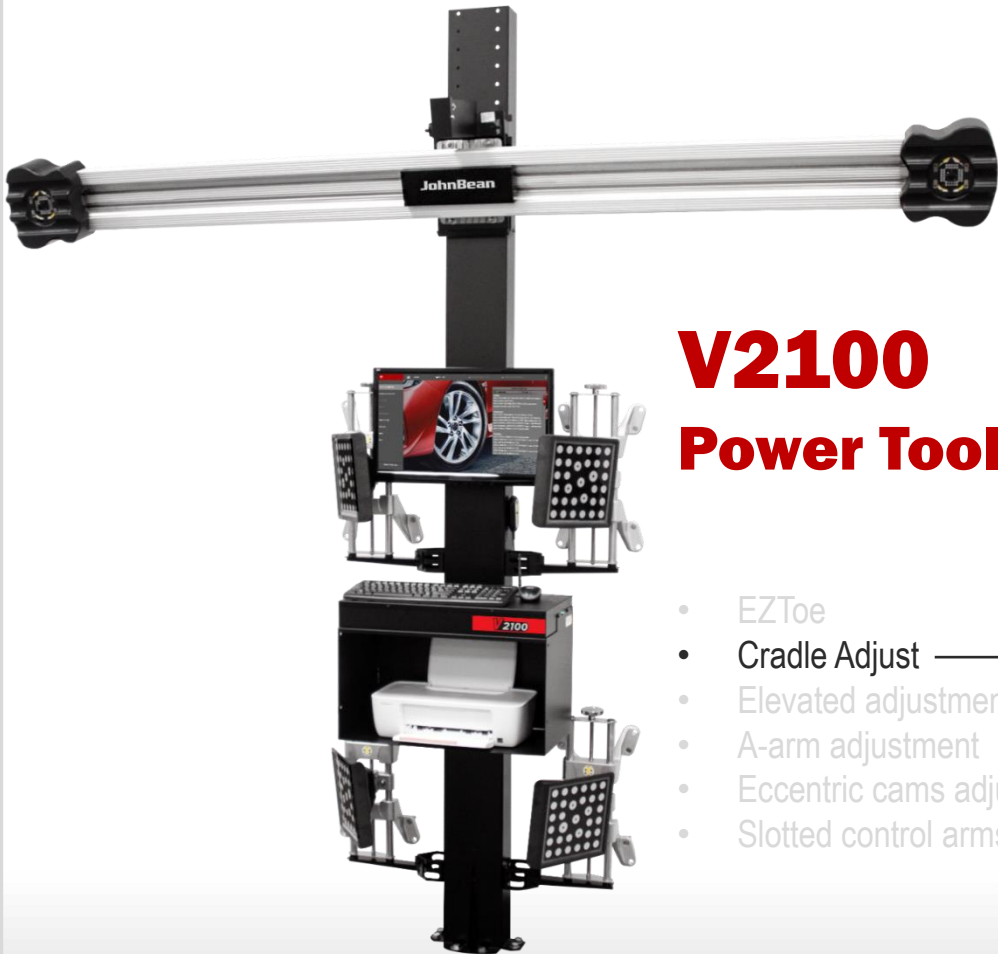
V2100

IMAGING
WHEEL ALIGNMENT
SYSTEM

WHEEL ALIGNMENT EQUIPMENT

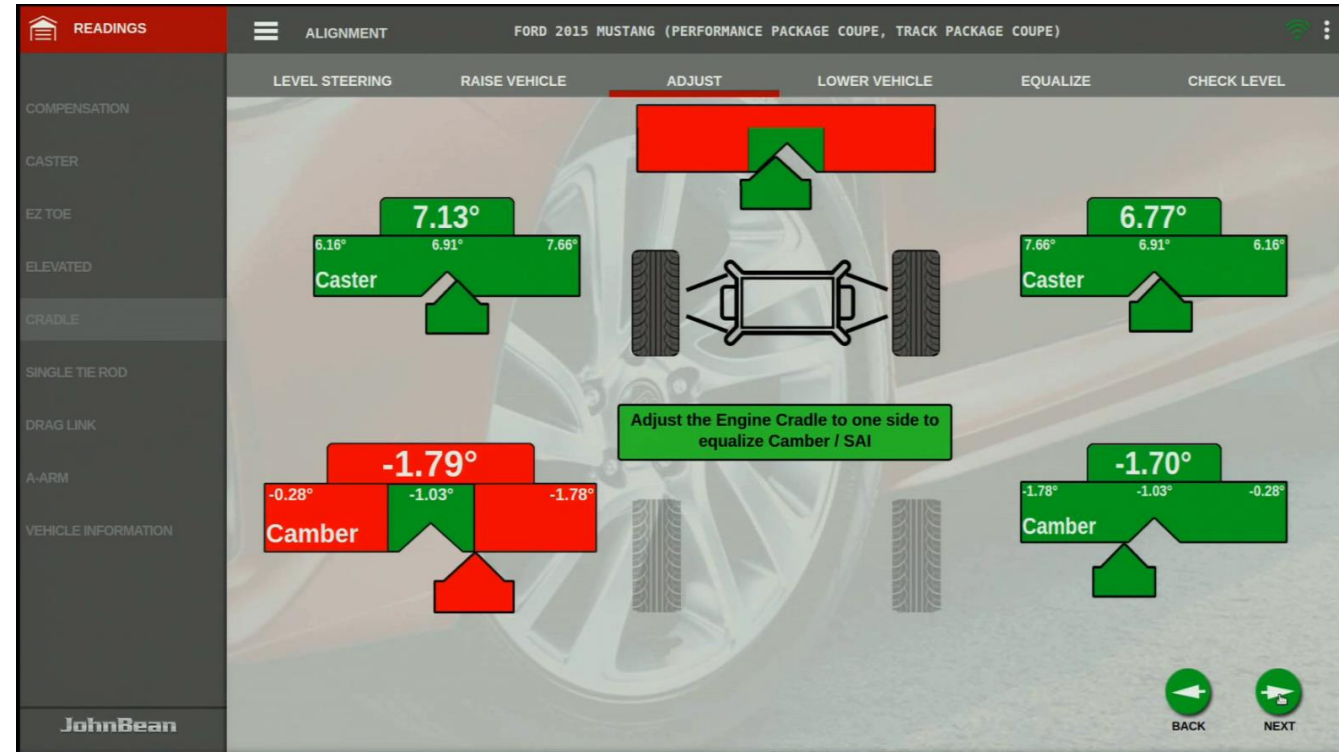
State-of-the art technology in an affordable package

Cradle adjust



V2100 Power Tools

- EZToe
- Cradle Adjust →
- Elevated adjustments
- A-arm adjustment
- Eccentric cams adjustment
- Slotted control arms adjustment



Cradle adjustment is normally required after a transaxle replacement or repair, post front end collision work, or after hitting a curb

V2100

IMAGING
WHEEL ALIGNMENT
SYSTEM

WHEEL ALIGNMENT EQUIPMENT

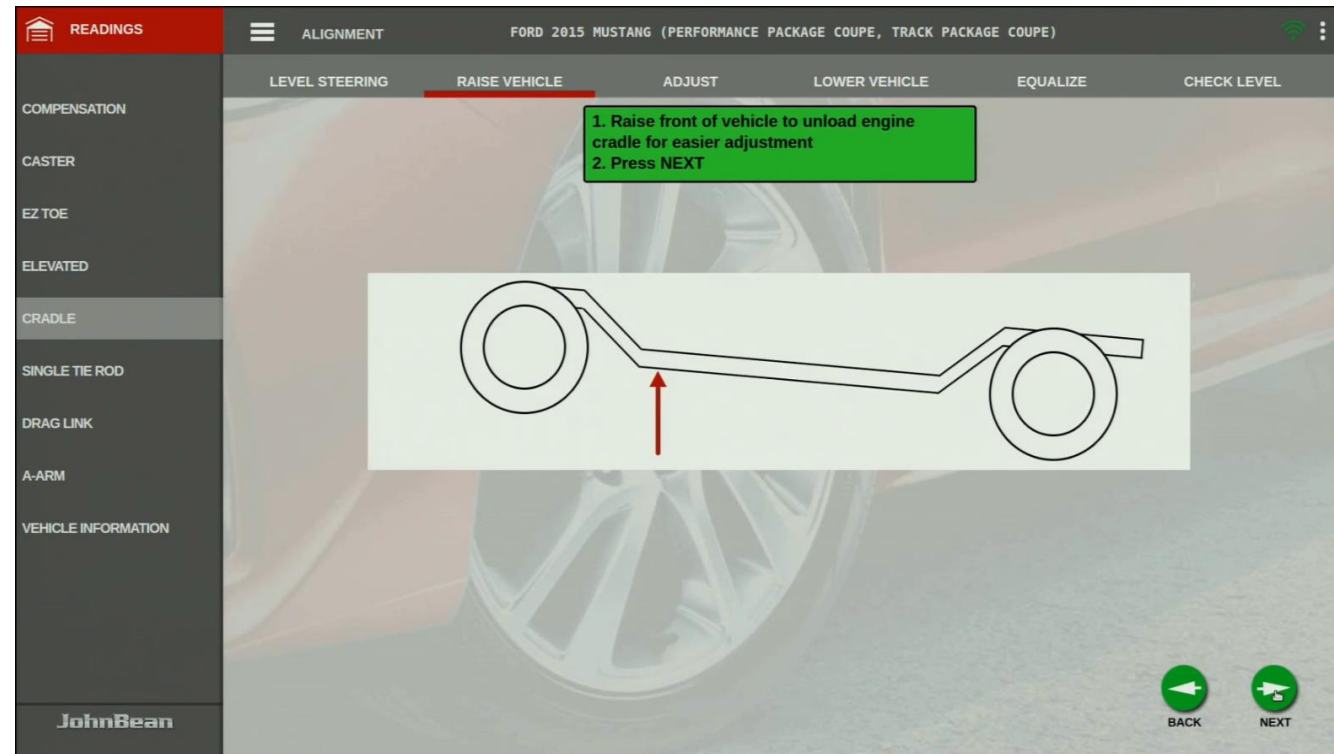
State-of-the art technology in an affordable package

Elevated adjustment



V2100 Power Tools

- EZToe
- Cradle Adjust
- Elevated adjustments →
- A-arm adjustment



Taking the load of the suspension makes the adjustment easier and faster

V2100

IMAGING WHEEL ALIGNMENT SYSTEM

WHEEL ALIGNMENT EQUIPMENT

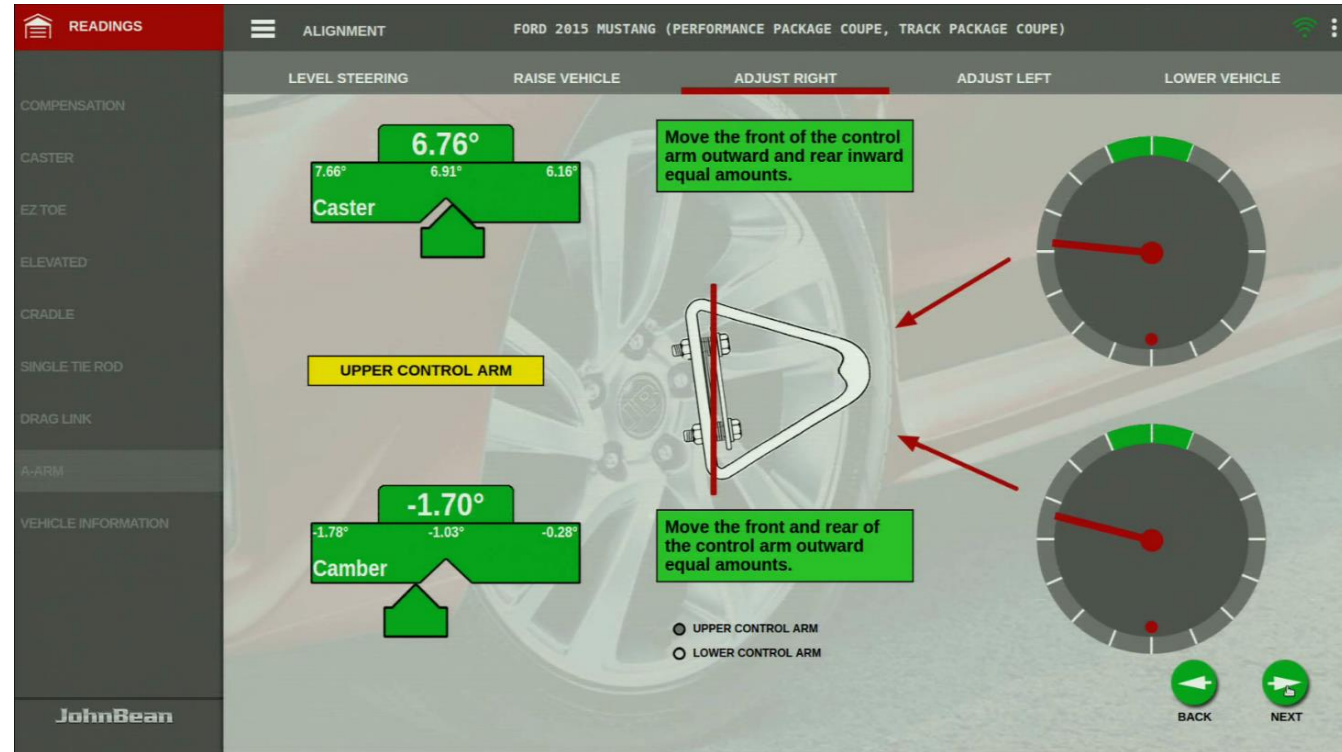
State-of-the art technology in an affordable package

Shims, eccentric cams, slotted control arms



V2100 Power Tools

- EZToe
- Cradle Adjust
- Elevated adjustments
- A-arm adjustment →
- Shims
- Eccentric Cams
- Slotted control arms



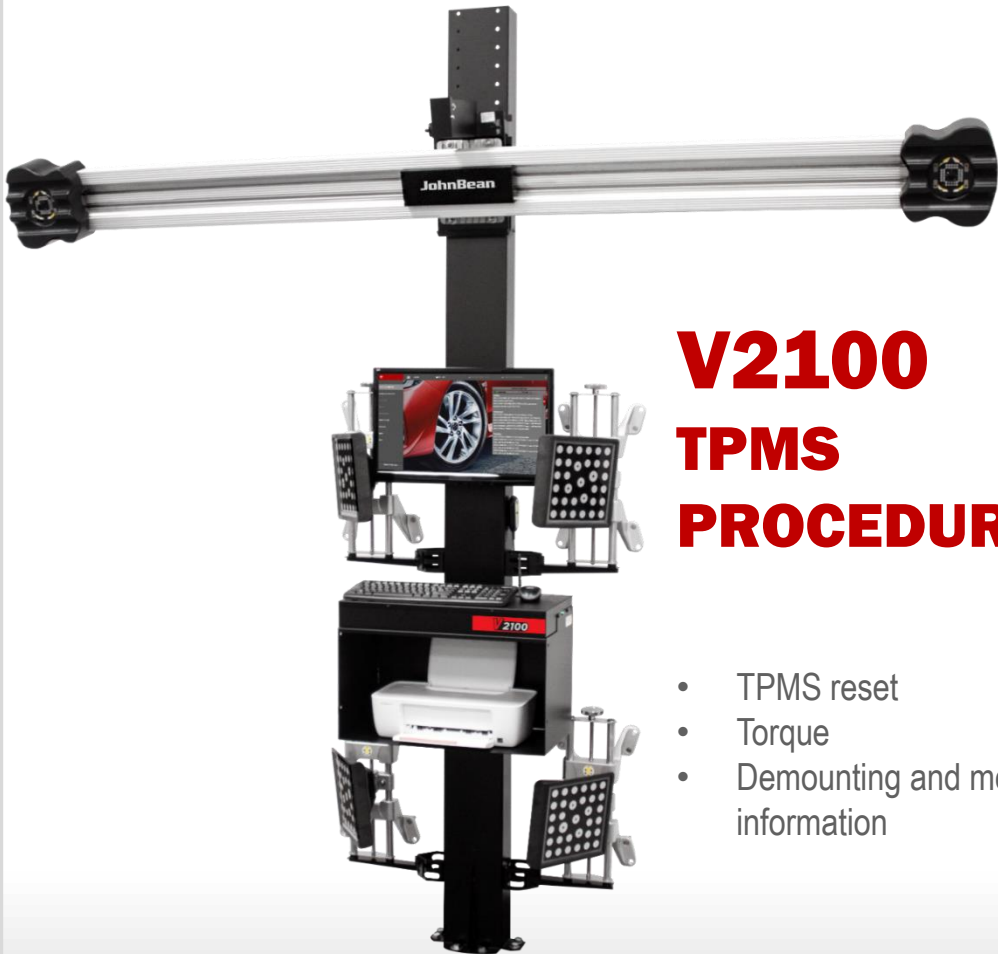
Upper and or lower control arm shim, slots, or eccentric cam bolts.

V2100

IMAGING
WHEEL ALIGNMENT
SYSTEM

WHEEL ALIGNMENT EQUIPMENT

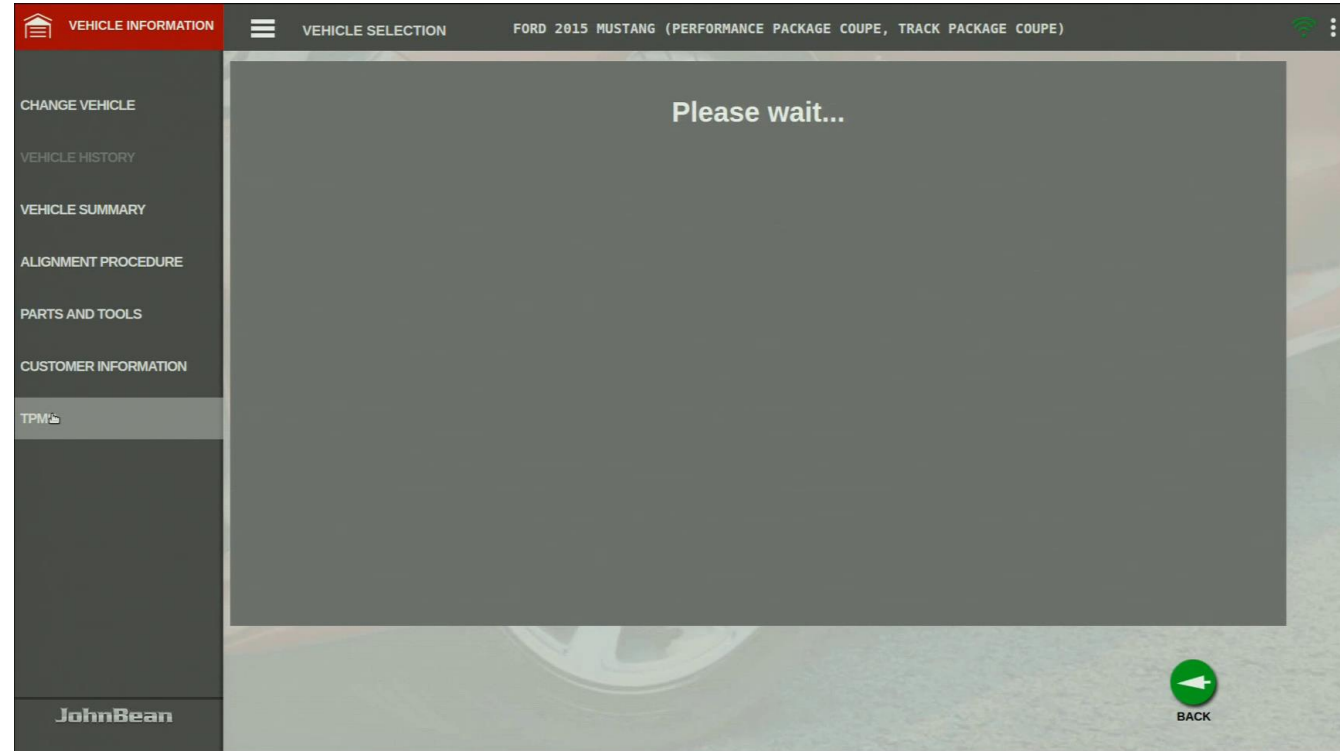
State-of-the art technology in an affordable package



V2100 TPMS PROCEDURES

- TPMS reset
- Torque
- Demounting and mounting information

TPMS Information

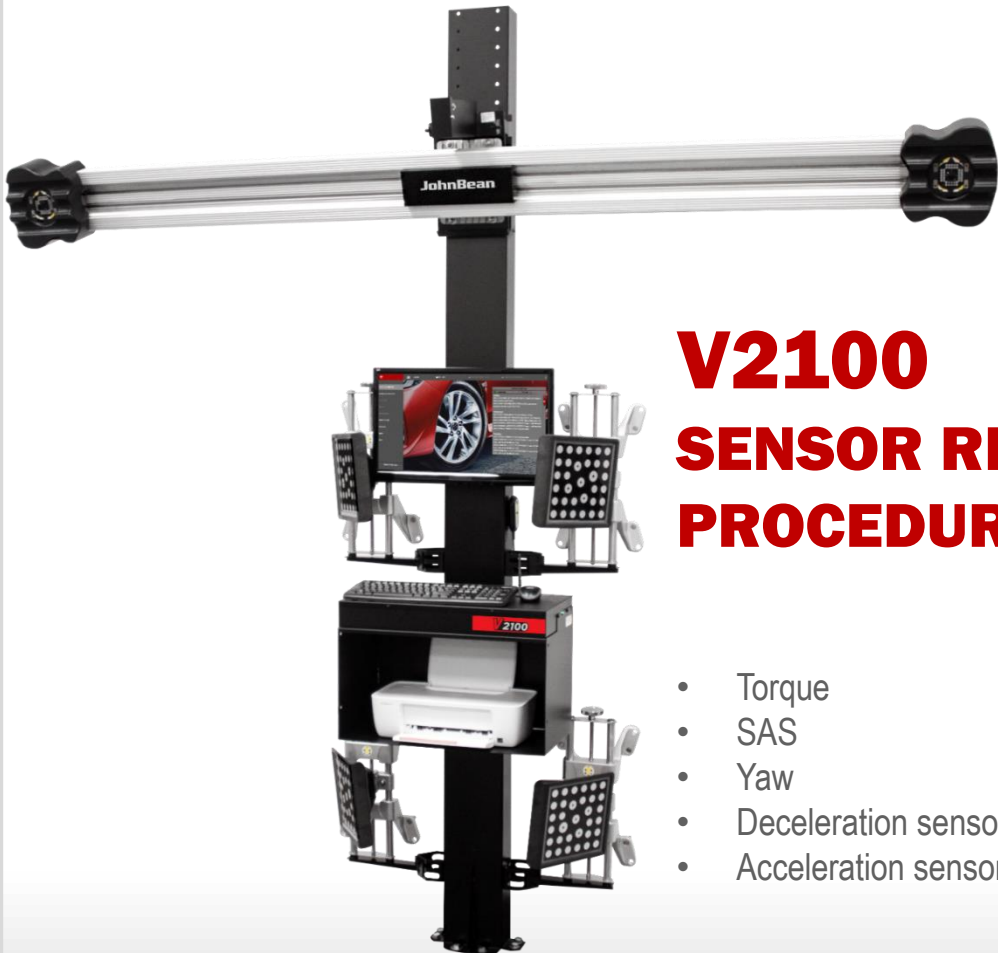


V2100

IMAGING
WHEEL ALIGNMENT
SYSTEM

WHEEL ALIGNMENT EQUIPMENT

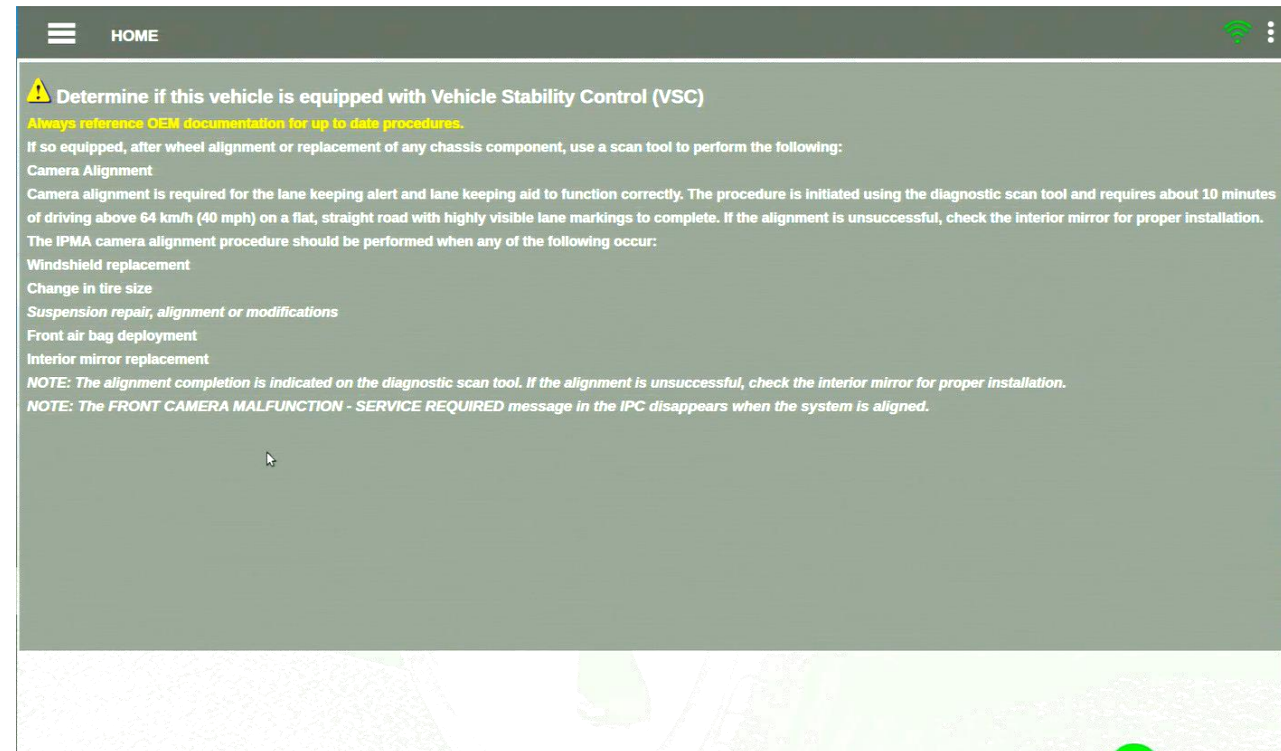
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V2100 SENSOR RESET PROCEDURES

- Torque
- SAS
- Yaw
- Deceleration sensor
- Acceleration sensor

Vehicle Specific Sensor Reset Procedure



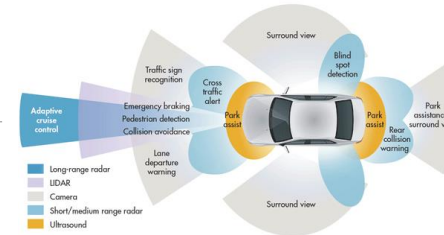
V2100

IMAGING WHEEL ALIGNMENT SYSTEM

WHEEL ALIGNMENT EQUIPMENT

State-of-the art technology in an affordable package

ADAS



V2100 ADAS OEM Procedures

- Advanced Driver Assist System adaptation procedures
- Here are a few examples of the immense coverage offered by JBC

	min	pref	max	cross	min	pref	max
Front							
Caster	2.60°	3.35°	4.10°	+/- ---	2.60°	3.35°	4.10°
Camber	-1.55°	-0.80°	-0.05°	+/- ---	-1.55°	-0.80°	-0.05°
SAI	---	---	---	---	---	---	---
Individual Toe	0.00°	0.10°	0.20°	min pref	0.00°	0.10°	0.20°
Total Toe			0.00°	0.20°	max		
			0.40°				
Rear							
Camber	-1.95°	-1.20°	-0.45°	+/- ---	-1.95°	-1.20°	-0.45°
Individual Toe	0.05°	0.15°	0.25°	min pref	0.05°	0.15°	0.25°
Total Toe			0.10°	0.30°	max		
Thrust Angle			-0.50°	0.00°	0.50°		

Accessories Control Systems (4)

- Anti-Lock Brakes (2)
- Anti-Theft Systems (1)
- Automatic HVAC System (1)
- Automatic Trans (1)
- Auxiliary Emission Control Systems (2)
- Blowers, Superchargers & Turbochargers (1)
- Body Interior (3)
- Brakes Control Systems (2)
- Campaign (1)
- Charging Systems (2)
- Collision/Avoidance (1)

V2100

IMAGING
WHEEL ALIGNMENT
SYSTEM

WHEEL ALIGNMENT EQUIPMENT

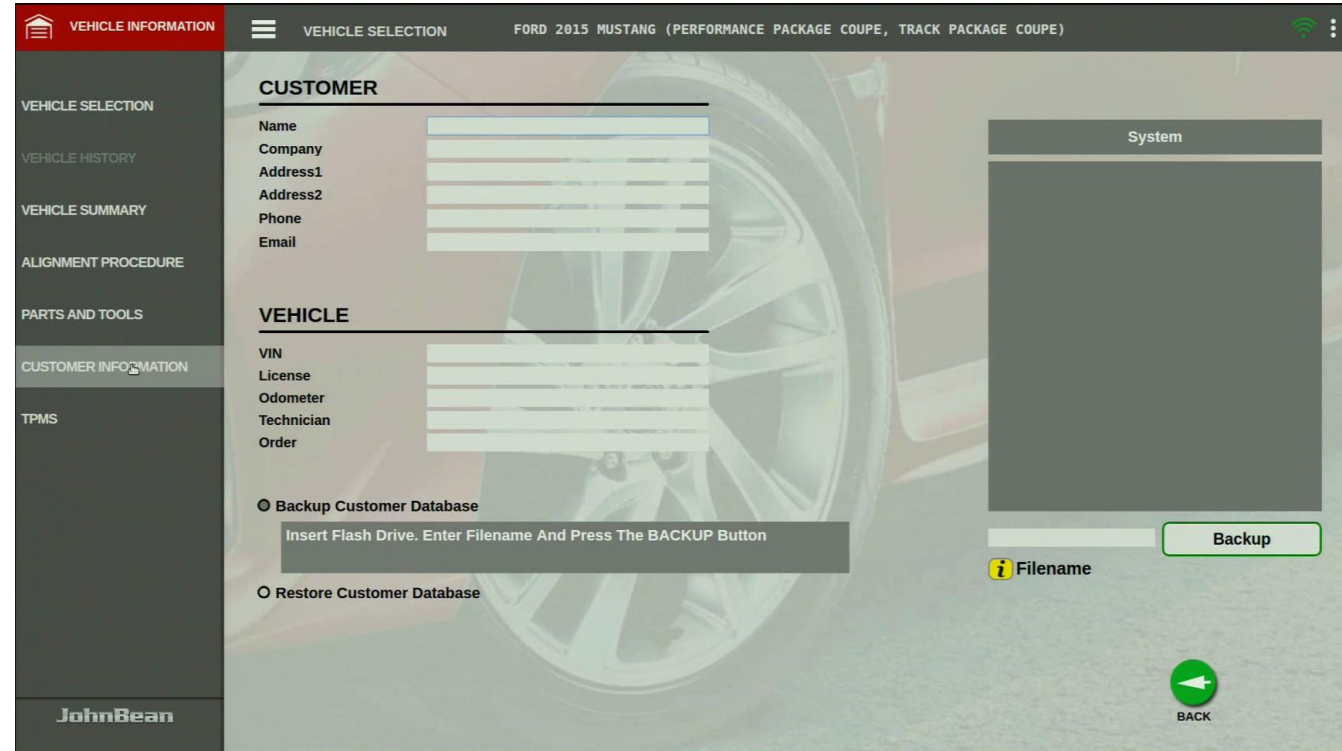
State-of-the art technology in an affordable package



V2100 Power Tools

- CUSTOMER INFORMATION
- Cradle Adjust
- Elevated adjustments
- A-arm adjustment

Customer information



Enter and save customer and vehicle information for your business. Back up and restore databases.

V2100

IMAGING
WHEEL ALIGNMENT
SYSTEM

JohnBean

A division of Snap-on, Inc

AC200 CLAMPS

Faster set up, wider range, positive clamping

AC200 wheel clamps are a legacy product.
They provide a wide range of wheel size
clamping.

The wheel claws are angled facilitating
mounting on the wheel

The positive grip ensures that the targets will
not move due to excessive vibrations when
using pneumatic tools to loosen the
adjustments



V2100

IMAGING
WHEEL ALIGNMENT
SYSTEM

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TILT MECHANISM

Mechanically driven

Electromechanical, robust and reliable

Remote controlled electromechanical tilting camera beam provides an enhanced range of operation from the ground all the way up to the highest position on the alignment rack

Set the vehicle at a comfortable working height of your choice

The tilt mechanism moves the beam and provides a wider range of alignment rack heights regardless of wheelbase length.



V2100

IMAGING
WHEEL ALIGNMENT
SYSTEM

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REPORTS

Mechanically driven

Customer and technician friendly

SEVERAL REPORTS ARE AVAILABLE

CUSTOMER FRIENDLY

Before and after report

TECHNICIAN REPORT

With advance angles

VEHICLE DIMENSIONING REPORT

See the shape and determine if alignment alone can fix the vehicle

The screenshot displays the JohnBean V2100 software interface for a wheel alignment. The main window shows a report for a Ford 2015 Mustang (Performance Package Coupe, Track Package Coupe). The report includes the following data:

Vehicle Information:
Store Name: Snap-on Training Center
Address: 1, Address 2: ---
Phone: ---
Date: 10/24/2017
Technician: Ben
Order No.: 123456
Customer: Snap-on Training Center
Company: John Bean
License No.: dymson
VIN: 0812

Alignment Data:

WHEEL	CORNER	LEFT				RIGHT			
		SETBACK	Toe	Toe/Inch	CRUISE	SETBACK	Toe	Toe/Inch	CRUISE
FRONT	Left	-0.14"	-0.20"	0.00"	0.10"	0.02"	-0.10"	0.00"	0.10"
	Right	-1.80"	-1.20"	-1.00"	-0.20"	-1.80"	-1.50"	-1.20"	-0.20"
REAR	Left	-1.20"	-0.30"	0.00"	0.00"	-1.20"	-0.30"	0.00"	0.00"
	Right	-0.24"	0.00"	0.12"	0.12"	-0.20"	0.00"	0.12"	0.12"

Vehicle Dimensions:

WHEEL	SETBACK	Toe	Toe/Inch	CRUISE
FRONT LEFT	16.20"	---	---	16.20"
FRONT RIGHT	16.40"	---	---	16.40"
REAR LEFT	---	---	---	---
REAR RIGHT	---	---	---	---

Time Display:
9:42:12 AM
Duration 14:51 Min.

The interface also features a sidebar menu with options: START ALIGNMENT, REPORTS, CUSTOMER INFORMATION, PRINTERS, PRINTER LANGUAGES, INFORMATION, and FEEDBACK. The JohnBean logo is visible at the bottom left, and PRINT and HOME buttons are at the bottom right.

A primary and secondary report can be selected. The amount of time it took to perform the alignment is displayed on the screen (can be turned off).

IMAGING ALIGNER Error Reporting

A unique feature of the V2100 is it's ability to detect circumstances that would lead to a bad alignment

The three levels of error detection are:

COMPENSATE

WARN

ALERT

IMAGING ALIGNER Error Reporting

LEVEL 1

The machine has detected a potential error and will compensate or make the necessary corrections

You will have a great alignment

COMPENSATE

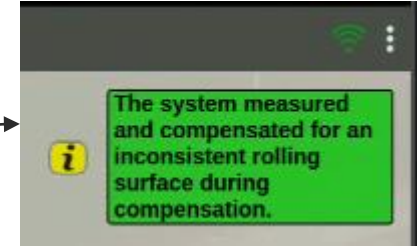
IMAGING ALIGNER Error Reporting

LEVEL 2

The machine has detected a potential error and will compensate or make the necessary corrections and is advising you of the condition

You will have a great alignment

WARN



IMAGING ALIGNER Error Reporting

LEVEL 3

The machine has detected a potential error and is informing you that this may not be your best alignment

ALERT

There is significant track width difference front to back; please inspect.

V2100

IMAGING
WHEEL ALIGNMENT
SYSTEM

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A division of Snap-on, Inc

DO IT, AND DO IT WELL

V2100

IMAGING WHEEL ALIGNMENT SYSTEM

JohnBean

A division of Snap-on, Inc

FIVE YEAR “PEACE OF MIND” WARRANTY

AVAILABLE ON JOHN BEAN WHEEL ALIGNMENT EQUIPMENT

OPERATE YOUR WHEEL ALIGNER WITH CONFIDENCE

- Extended Factory Warranty
- Current Specification Updates
- Annual Optimizations and Precision Adjustments

<input type="checkbox"/>	PLATINUM PACKAGE
	Five Years of Specifications Five Years of Software Upgrades and Enhancements (Three Updates per Year Installed by a Factory Trained Professional) Five Years of On-Site Service (Includes Parts & Labor) Five Annual Optimizations and Precision Adjustments
<input type="checkbox"/>	GOLD PACKAGE
	Five Years of Specifications Five Years of Software Upgrades and Enhancements Three Years of On-Site Service (Includes Parts & Labor)
<input type="checkbox"/>	SILVER PACKAGE
	Five Years of Specifications Five Years of Software Upgrades and Enhancements
<input type="checkbox"/>	PRICE: \$0 DECLINED
	Standard Warranty Applies

_____	_____	_____
Customer Signature	Customer (Print)	Date
_____	_____	_____
Representative Signature	Representative (Print)	Date

Sale is subject to the original sales agreement. Important Credit Notice: Please be aware that the monthly payment is an estimate only and may not apply to you. Your actual payment may be different than the estimated financing payment shown. All credit sale and lease contracts are subject to approved credit and the terms of the standard Snap-on Credit sale or lease contract form. Not all applicants will qualify. Taxes, installation and costs of financing, such as charges for filing SCC statements, are extra. Finance charges begin accruing at contract inception. Terms and finance charge rate may vary and such terms are subject to change without notice. In the event you fail to make payments when due, the terms of the sale or lease contract will apply and late charges may be due. Please contact Snap-on Credit regarding finance terms and conditions.

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JohnBean

V2100

IMAGING
WHEEL ALIGNMENT
SYSTEM

ETHOS EDGE | ADAS Coverage

JohnBean
A division of Snap-on, Inc

WHEEL ALIGNMENT ADJUSTMENT GUIDE FOR ADVANCED AUTOMOTIVE SYSTEMS

QUICK GUIDE FOR WHEEL ALIGNMENT SYSTEMS AND DIAGNOSTIC TOOLS

COVERAGE INCLUDES THE FOLLOWING

ADAS • ASC • SAS • TPMS

- ADVANCED DRIVER ASSISTANCE SYSTEMS
- ACTIVE SAFETY CONTROLS
- STEERING ANGLE SENSOR RESET
- TIRE PRESSURE MONITORING SYSTEM

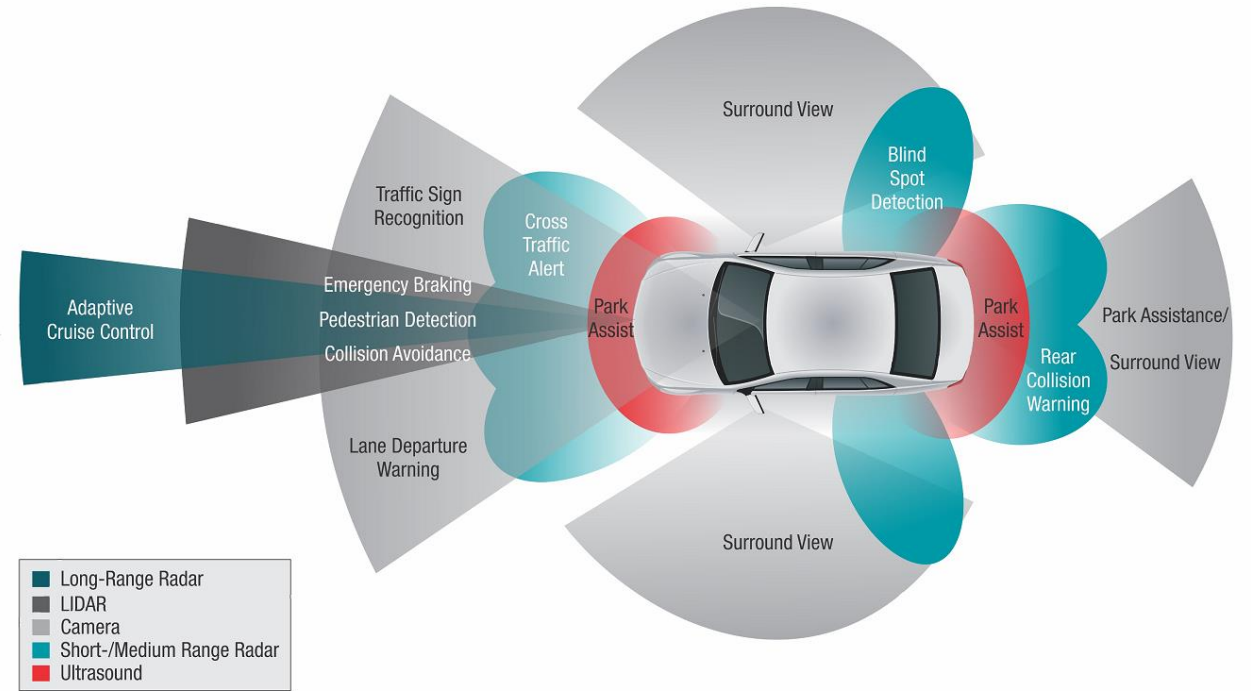


Snap-on

TOTAL SHOP SOLUTIONS

ADAS COVERAGE

For passenger cars and light duty trucks, OEM standard production vehicles



V2100

IMAGING
WHEEL ALIGNMENT
SYSTEM

ADAS Solution | ETHOS EDGE

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WE HAVE THE TOOL

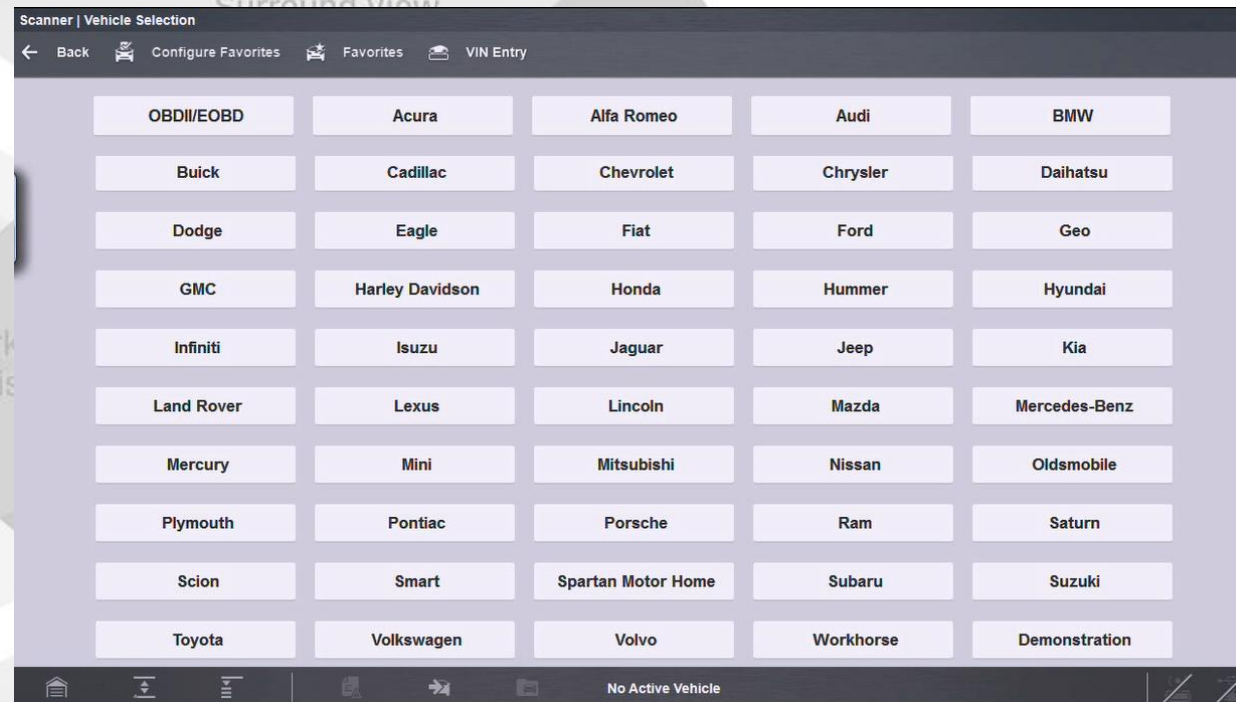


Ethos Edge providing coverage for nearly 50 domestic, Asian and European vehicle makes dating back to 1983, as well as OEM-specific coverage for more than 100 vehicle systems. Additionally, Ethos Edge includes live data graphing, functional tests, ADAS relearns and/or adaptations.

- Camera
- Short-/Medium Range Radar
- Ultrasound

AND THE COVERAGE

[Interactive Application Guide](#)



The Ethos Edge features an auto vehicle ID to read the VIN and One-Touch Code Scan and Clear, which reads all available vehicle systems keeps technicians moving when they aren't sure which system is the root cause, Snap-On said.

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SYSTEM

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JohnBean[™]
Automotive Service Equipment

ORDER ONE TODAY