

Be **PRECISE**



JohnBean

V4400

Commander

TAKE COMMAND WITH
THE ALL-NEW
V4400
Commander



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TAKE CHARGE AND COMMAND ACCURACY OF YOUR WHEEL ALIGNMENT SERVICE.

Be **PRECISE**

The all-new V4400 COMMANDER® from John Bean® revolutionizes productivity by reducing setup time and enhancing accuracy.

The V4400 COMMANDER® uses an intelligent installation flow to ensure proper setup for each shop's specific needs, ensuring ease of placement and minimizing disruption to shop operations.

Our dual-tower system features two remote alignment posts equipped with two high-resolution cameras that provide a comprehensive, stable field of view and reduce the need for frequent camera adjustments. This configuration does not require a cross-view camera, eliminating the need for a line of sight between the alignment towers and enhancing the system's flexibility.

The new dual-tower design accommodates a variety of vehicle lengths and widths, bay setups, and drive-through compatibility. This versatility allows optimal service area placement, tower positioning, and the opportunity for a smaller footprint in the work area while providing space in front of the vehicle for additional repairs, like ADAS recalibration.



D2 MAX® TECHNOLOGY

Our all-new D2 Max® Technology achieves a more precise, real-world alignment reading by mapping and projecting the vehicle's drive direction as if on the road – a revolutionary advancement in wheel alignment that delivers unparalleled accuracy and repeatability, reducing initial test drive issues and future comebacks.



VERSATILE OPERATION

The V4400 COMMANDER® boasts highly flexible installation options that cater to a wide range of shop layouts, from narrow to wide bays. It can service vehicles as close as 55" (1.4m) from the turntables with a working range up to 200" (5m). The exclusive long wheelbase mode enables service on light and medium duty vehicles up to 200" (5m) wheelbase. This versatility ensures the V4400 can accommodate the space to maximize efficiency and productivity.



ADJUSTABLE CAMERA POST

The alignment towers have adjustable camera posts with two cameras per side, providing a wider field of view. The post offers two locking points for accurate, stable camera positioning and transitions between the fully raised and fully lowered positions without requiring intermediate heights or additional tracking mechanisms.



MOBILITY KIT

The optional mobility kit allows for easy relocation of the camera alignment towers within the shop, giving the ability to move between bays or out of the way, as needed.



VODI™

Our exclusive Vehicle Orientation Directional Indicator, VODI™, guides the technician through the measurement process, reducing the time spent walking back and forth from the vehicle to the aligner.

WHEN GOOD ENOUGH ISN'T ENOUGH, JB.



COMMAND MORE FROM YOUR ALIGNMENT REPAIRS.



REVOLUTIONARY TECHNOLOGY

The V4400 COMMANDER® is equipped with the most advanced D2 Max® camera technology, which enables quicker rolling compensation for faster alignment service with higher accuracy and repeatability.

It is the fastest camera we have ever offered, combined with the optimized software flow and notification system to provide live and accurate readings. This allows you to work quickly and efficiently while maintaining confidence that the results will be correct.

Saving time in the alignment means you can complete the repair faster and do more alignments a day, increasing your profits while improving customer satisfaction.



PRODUCTIVE SERVICE

In addition to promoting shop efficiency with speed and flexible installation options, we can help you explain to customers when additional repairs are needed. With Audit Check, you can uncover alignment problems in under a minute and present them to your customer with easy-to-read printouts that include:

- Measurement of track width
- Front and rear toe
- Camber
- Wheelbase
- Wheel diameter
- Cross dimensions

GO BEYOND WHEEL ALIGNMENT WITH EASY ACCESS TO CRITICAL INFORMATION.

The V4400 COMMANDER® provides instant access to real-time OEM repair information, including TSBs, recalls, and TPMS reset procedures.

When working on vehicles with ADAS (Advanced Driver Assistance Systems), the aligner will alert you when the vehicle includes ADAS features.

The system's online connectivity enables software and vehicle specification database updates, allowing your shop to support the latest alignment specs, aftermarket parts replacement, and steering angle reset procedures.



VEHICLE INFORMATION | VEHICLE SELECTION | AUG 2023 05:44:03 (180) | Standard of Airwork | schrauberfeder

VEHICLE SELECTION

- Control Specifications
- Adjustment Specifications

VEHICLE HISTORY

VEHICLE SUMMARY

Camber	min	-01° 15'	pref	-00° 21'	max	-00° 24'
Toe	min	00° 03'	pref	00° 09'	max	00° 18'
SAI	min	...	pref	...	max	...

ALIGNMENT PROCEDURE

FRONT CROSS

Camber	min	-01° 15'	pref	-00° 21'	max	-00° 24'
Toe	min	00° 03'	pref	00° 09'	max	00° 18'

REAR CROSS

Camber	min	-01° 15'	pref	-00° 21'	max	-00° 24'
Toe	min	00° 03'	pref	00° 09'	max	00° 18'

Alignment Services Required:

- Ride Height Measurement
- Steering Angle Sensor Reset
- Business Change
- Fuel Level
- Loading
- Adjustment Parts/Tools
- Special Alignment Procedure Instructions
- Adjust front Camber Before Adjusting rear.

Front camera Warning

OEM Procedures

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VEHICLE INFORMATION | VEHICLE SELECTION | Sedan (1B0 / 2MV) S-Line Controlled Audi Magneton

ADAS target guide available

Front

Front	min	pref	max	cross	min	pref	max
Camber	-1.40°	-1.00°	-0.80°	+4.50°	-1.40°	-1.00°	-0.80°
Toe	0.30°	0.30°	0.30°	0.30°	0.30°	0.30°	0.30°

REAR

Rear	min	pref	max	cross	min	pref	max
Camber	-1.20°	-0.80°	-0.60°	+4.50°	-1.20°	-0.80°	-0.60°
Toe	0.30°	0.30°	0.30°	0.30°	0.30°	0.30°	0.30°

ALIGNMENT PROCEDURE

FRONT CROSS

Camber	min	-01° 15'	pref	-00° 21'	max	-00° 24'
Toe	min	00° 03'	pref	00° 09'	max	00° 18'

REAR CROSS

Camber	min	-01° 15'	pref	-00° 21'	max	-00° 24'
Toe	min	00° 03'	pref	00° 09'	max	00° 18'

CUSTOMER INFORMATION

TPMS

TSB

Information

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VEHICLE INFORMATION | VEHICLE SELECTION | CHEVROLET 2012 CORVETTE FE3 WITH RWD

Technical Service Bulletin

Reference Number(s): P10512B

Date of Issue: April 1, 2015

AFFECTED MODEL(S)

2009-2015 Cadillac CTS, CTS-V, 2009-2015 Chevrolet Camaro, 2014-2015 Chevrolet SS, 2006-2010 Pontiac Solstice, 2007-2010 Saturn IAC

SUPERCEDES:

This TSB has been revised to add the 2014-2015 Model year. Please discard P10512A.

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HELP | HOME

Procedures may be required to control the steering column electronics control module or replacement of chassis components.

Steering Column Electronics Control

Tools and workshop equipment required:

- Vehicle Diagnostic Tester
- Steering Wheel Scales - VAS6458-

Procedure:

- Select this basic setting for the following operations:
- The Steering Column Electronics Control replaced.
- The Active Steering Control Module replaced.
- The steering column was replaced.
- Connect the Vehicle Diagnostic Tester to the ignition network.

Print

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VEHICLE INFORMATION | VEHICLE SELECTION | CHEVROLET 2012 CORVETTE FE3 WITH RWD

Lower Control Arm

Procedure:

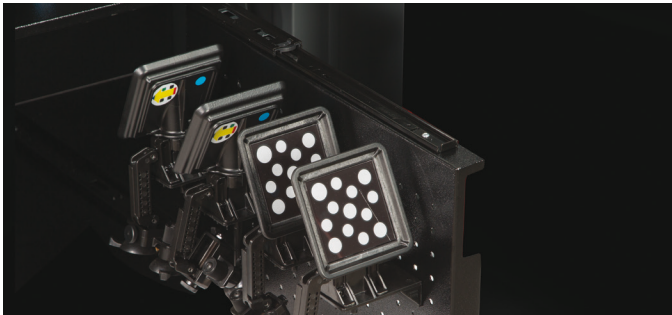
- Use the lower control arm cam bolt.
- Fig 1: Rotating Cam Bolts in Lower Control Arm

Rotate the cam bolts to the required specifications.

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RIDE HEIGHT MEASUREMENT

Measure the vehicle ride height to guarantee a proper adjustment. The V4400 COMMANDER® offers multiple options for ride height measurement, depending on the vehicle type and manufacturer. Eliminate manual data entry, speed up measuring, and increase accuracy using our specially designed, optional Ride Height Targets.



RIDE HEIGHT TARGETS

When using our on-demand ride height targets with easy suction cup attachment, no manual entry is required. Alignment specifications adjust automatically according to the ride height measurement.

ADVANCED MEASUREMENTS

Measurements designed for advanced suspension troubleshooting and modified suspensions. Includes advanced ride height entry and SAI.

WHEELS OFF ADJUSTMENT

Remove the wheel and attach the target directly to a brake rotor for easier access to adjustment.



TARGET IMAGING POINTER (TIP)

The target imaging pointer (TIP) measures ride height more accurately than manual measuring to obtain proper alignment specifications.

WHEEL DIAMETER

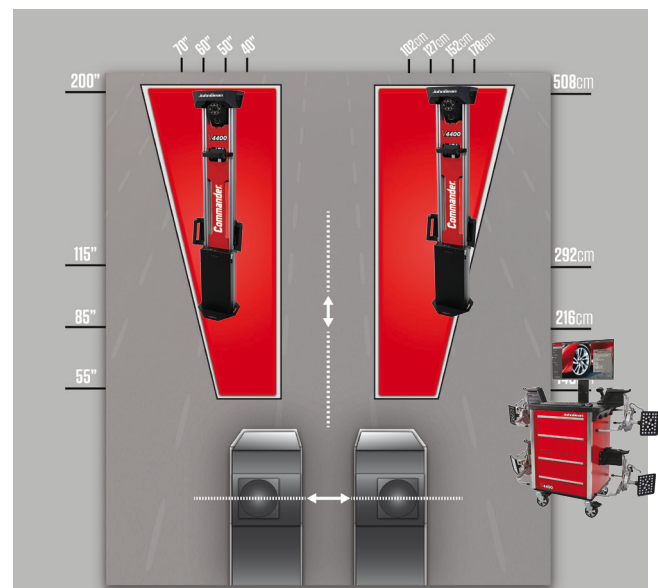
This measurement will notify the operator of potentially mismatched tires or excessive tread wear.

OEM PROCEDURES

The software provides the OEM recommended workflow for accurate wheel alignment in the aftermarket segment.

TECHNICAL SPECIFICATIONS

Tire Diameter (AC400)	19"-39" 50-100cm
Wheel Diameter (AC200)	12"-24" 30-60cm
Track Width	48"-96" 120-245cm
Wheelbase	79"-200" 200-500cm
Power Supply	110-240V 50-60Hz
Camera Working Width from Lift Centerline	40"-70"
Optimal Width from Lift Centerline	50"-60"
Turntable to Tower Working Range	55"-200"
Optimal Range	85"-115"



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