HUNTER AUTOMOTIVE SERVICE EQUIPMENT

PORSCHE PRODUCT ORDERING GUIDE

REFER TO QUOTEBUILDER FOR CURRENT PRICING INFORMATION

F.O.B. PLANT POINT OF SHIPMENT-
BRIDGETON, MO. / DURANT, MS. / RAYMOND, MS / UNION, MS

PRICE REFERENCE NOTES:

A - Price includes installation
B - Price includes installation with major equipment groups

HUNTER
Engineering Company

Wheel and Tire Service Equipment
PORSCHE CONNECTED SHOP

HunterNet®* empowers your business through Hunter connected technology:
- Capture inspection results
- Record alignment measurements
- Upload balancing data
- Store tire changes

For Managers: Maximize profitability and productivity with reporting tools, including Push Reports.
For Advisors: Close more service opportunities by better informing customers
For Technicians: Get the job done right and quickly with access to instant information
For Customer: Increase trust & transparency with digital results, pictures, and videos.

Push Reports* boost performance and track statistics:
- Automatic, daily performance snapshots by email or text
- View inspection rates and opportunities
- Measure alignment numbers and conversions
- Track balancing and Road Force® utilization
- Achieve big audacious goals

Porsche Recommended Connected Equipment	
Quick Check Drive® & Quick Tread Edge® (QCD92TFECSBLK shown)	**HawkEye Elite® Alignment Systems and Racks** (VAS6292PLWMBLK & RX10KFAUBLK shown)
Road Force® Elite Diagnostic Balancing Systems (VAS6230BE4 shown)	**Revolution™ Fully Automatic Tire Changer**** (TCRHVAG shown)

Connected Equipment Minimum Requirements	
Minimum Software Requirements	
Quick Check Drive® and HawkEye Elite® consoles	WinAlign® 14.4.1 or newer
Road Force® Elite balancers	Version 4.0+
Revolution™ Tire Changers	Version 1.8 or newer
Minimum Internet Requirements	
Hardwired internet connection if REQUIRED	
Minimum Speeds	10 Mbps down, 3 Mbps up, Ping: less than 1000ms
Supported Web Browsers (use latest version)	Chrome, Firefox, Explorer, Edge, Safari

*Refer to form 6508-T (03/19) for further details
**Revolution™ HunterNet® capabilities pending future build out of the HunterNet® portal

Wheel and Tire Service Equipment

Quick Check Drive® and Quick Tread Edge® SuperGroups

Quick Check Drive® and Quick Tread Edge® Supergroups	
QCD92TFECSBLK	QCD92TFBLK

QCD92TFECSBLK	Quick Check Drive Sensors (DRV1), Wall Mounted Console (WU592), and Damage-Cam 3 year subscription with 15 day image storage ("BDC"). QuickTread Edge Flush (QTEF) Short Focal Length External Camera (20-3584-1) BLACK *Recommended by PORSCHE*
QCD92TFBLK	Quick Check Drive Sensors (DRV1), Wall Mounted Console (WU592), and Damage-Cam 3 year subscription with 15 day image storage ("BDC"). QuickTread Edge Flush (QTEF) BLACK

Quick Check Drive® and Quick Tread Edge®	
- 32 lasers and 8 cameras scan wheel - 3 year Damage Cam subscription - 15 day Damage Cam image storage - Plate-to-VIN specs - No stopping, data entry or labor required - Automatic alignment results - New cabinet console - Hunter Shop Tough™ PC with Windows 10 - 2 years free vehicle spec updates - HunterNet provides front-shop personnel w/quick access to vehicle specific undercar information to sell service - Certified iShop & ASANET complaint - Professional Installation & On-Site Training	- QuickTread Edge® Drive Over Tread Depth (Flush Mount) - Flush Mount Ramps - Pit Frame (20-3563-1) - HunterNet® Capable - Hardwired Internet connection required
Made in the USA	

Wheel and Tire Service Equipment

Quick Check Drive® Consoles and Sensors

Quick Check Drive® Consoles	
P/N	**Description**
WU572BLK	Unmanned Vehicle Inspection compact mobile console with 24" monitor widescreen LCD. BLACK
WU592BLK	Unmanned Vehicle Inspection wall mount console. BLACK Optional stand is 20-3356-1BLK.

Compact Mobile Console (WU592BLK)

Wall Mount Console (WU592BLK)

Wu572BLK / WU592BLK Series hardware and standard software

Quick Check Drive consoles include:
Computer with;
    Current Quick Check® Software
    Two Years of Vehicle Specification Updates
    2 years subscription to Hunternet™ featuring
    Webspecs™ and Shop Results
    Intel Core i3 Processor – 3.6 GHz (or greater)
    4 GB RAM
    250.0 GB SSD (or greater)
    HunterNet® Capable
    Hardwired Internet connection required

    Single DVD/CD-RW Drive
    USB 2.0
    Network Module
    Wireless Network Module
    Mouse
    Windows 10
    Keyboard
    HP Color Printer
    Bar Code reader
    TD Three Dimensional Targets and Quick Grip Adaptors

Quick Check Drive® Sensors

P/N	**Description**
DRV1BLK	Quick Check Drive® Unmanned Alignment Check Sensors. BLACK

Wheel and Tire Service Equipment

Quick Tread Edge® Consoles and Sensors

P/N	Description	
WU592BLK	Unmanned Vehicle Inspection wall mount console. BLACK Optional stand is 20-3356-1-BLK	
WU572BLK	Unmanned Vehicle Inspection mobile console. BLACK	
QTEF	Stand alone QuickTread Edge™ Flush mount BLACK with Quick Pit Single Pour Frame	
QID (long focal length) or QIDS (short focal length)	Quick ID™ automatic vehicle identification system. Requires Quick Tread Edge® or Quick Check Drive® system, HW1B PC and WinAlign® 15 software or newer.	

Quick Tread Edge® Options

Wheel and Tire Service Equipment

New Hawkeye Elite Camera Sensors, Alignment Consoles (VAS6292) and Lifts

All VAS6292 versions of the HawkEye Elite HE421 Series Sensors ship with Three Dimensional Targets and Quick Grip Adaptors.

HE421 CAMERA SENSOR TYPE

CONSOLE	HE421FMVAG-BLK	HE421WMVAG-BLK	HE421CMVAG-BLK
WA684VAS-BLK	VAS6292PLFM-BLK	VAS6292PLWM-BLK	VAS6292PLCM-BLK
WA683VAS-BLK	VAS6292PFM-BLK	VAS6292PWM-BLK	VAS6292PCM-BLK
WA673VAS-BLK	VAS6292FM-BLK	VAS6292WM-BLK	VAS6292CM-BLK

FM	WM	CM

Wide Angle TD Targets with Quick Grip Adaptors and Elite Accessory Package

P/N	HE421 Family Sensors
CM	**HE421CMVAG-BLK** Sensors – Portable cabinet mount sensors mount to a WA680 or WA670 series console and may be rolled from bay to bay. A manually operated vertical camera lift provides a full range of travel for additional lift height or to work with the vehicle on the floor. Includes 4 Cameras, Wide Angle Three Dimensional Targets with Quick Grip Adaptors, turnplate bridges and one set of anchor plates.
WM	**HE421WMVAG-BLK** Sensors - Suitable for most installations. Wall mounted for straight or angled (herringbone) approach bays. Patented fixed camera configuration. NO MOVING PARTS, yet still allows the technician to lift the vehicle to a comfortable working height. Includes 4 Cameras, Wide Angle Three Dimensional Targets with Quick Grip Adaptors and turnplate bridges.
FM	**HE421FMVAG-BLK** Sensors - Floor mounted overhead camera configuration suitable for drive through. Patented fixed camera configuration. NO MOVING PARTS, yet still allows the technician to lift the vehicle to a comfortable working height. Includes 4 Cameras, Wide Angle Three Dimensional Targets with Quick Grip Adaptors and turnplate bridges.
20-2880-1	**Plus Cordless Remote Indicator** - New style cordless remote indicator for WinAlign WA400, WA600 Series Aligners. Records tire pressure, tread depth, ride height and measures tire temperature and frame angle. Includes Tire Temperature Probe. ***REQUIRED BY PORSCHE. SOLD SEPARATLEY***

Wheel and Tire Service Equipment

Recommended VAS6292 Equipment Package

P/N	Description
	(Standard package for new installations)
VAS6292PLXX-BLK	WinAlign WA600 Series with premium large cabinet and 27" Widescreen LCD

XX=   Sensor Options
 	
CM = Cabinet Mounted
WM= Wall Mounted
FM = Floor Mounted
	Alignment consoles include:
	- Computer with;
	  - Current WinAlign® Software
	  - Electronic Software Authorization Key for VAS software
	  - Two Years of Vehicle Specification Updates
	  - 2 years subscription to Hunternet™ featuring Webspecs™ and Shop Results
	  - Intel Core i3 Processor – 3.6 GHz (or greater)
	  - 4 GB RAM
	  - 250.0 GB HDD (or greater)
	  - Single DVD/CD-RW Drive
	  - USB 2.0
	  - Network Module
	  - Wireless Network Module
	  - Mouse
	  - Windows 10
	  - Digital-Photo
	  - Digital-Video
	  - HP Color Printer
	  - Keyboard
	  - iShop™ and ASANet™ compatible
	  - Handheld wireless remote control
	  - Live Ride Height Targets (20-2050-1)
	  - Steering Wheel Holder
	  - Brake Pedal Depressor
	  - Select one of the following Hawkeye Elite camera sensor types: WM, FM, CM
	  - Wide Angle Three Dimensional Targets and Quick Grip Adaptors
	  - Radar Alignment System Kit for LDW/ADR/ACC adjustment (20-2814-1)
	  - HunterNet® Capable
	  - Hardwired Internet connection required for Porsche

See "VAS Minimum Requirement Alignment Tools" section on page 13 for additional requirements.

Radar Alignment System Kit 20-2814-1 is used with VAS6430 calibration bar and fixture for LDW/ADR/ACC adjustment. See page 13 for details.

VAS6292PLXX-BLK
Shown with included Radar Alignment System Kit for LDW/ADR/ACC adjustment

WM

CM

FM

Wide Angle TD Targets with Quick Grip Adaptors and Elite Accessory Package

VAS6292 Equipment Package

P/N	Description
	(Standard package for new installations)
VAS6292PXX-BLK	WinAlign WA600 Series with premium large cabinet and 24" Widescreen LCD

XX= Sensor Options
 	
CM = Cabinet Mounted
WM= Wall Mounted
FM = Floor Mounted
	Alignment consoles include:
	- Computer with;
	  - Current WinAlign® Software
	  - Electronic Software Authorization Key for VAS software
	  - Two Years of Vehicle Specification Updates
	  - 2 years subscription to Hunternet™ featuring Webspecs™ and Shop Results
	  - Intel Core i3 Processor – 3.6 GHz (or greater)
	  - 4 GB RAM
	  - 250.0 GB HDD (or greater)
	  - Single DVD/CD-RW Drive
	  - USB 2.0
	  - Network Module
	  - Wireless Network Module
	  - Mouse
	  - Windows 10
	  - Digital-Photo
	  - Digital-Video
	  - HP Color Printer
	  - Keyboard
	  - iShop™ and ASANet™ compatible
	  - Handheld wireless remote control
	  - Live Ride Height Targets (20-2050-1)
	  - Steering Wheel Holder
	  - Brake Pedal Depressor
	  - Select one of the following Hawkeye Elite camera sensor types: WM, FM, CM
	  - Wide Angle Three Dimensional Targets and Quick Grip Adaptors
	  - Radar Alignment System Kit for LDW/ADR/ACC adjustment (20-2814-1)
	  - HunterNet® Capable
	  - Hardwired Internet connection required for Porsche

See "VAS Minimum Requirement Alignment Tools" section on page 13 for additional requirements.

Radar Alignment System Kit 20-2814-1 is used with VAS6430 calibration bar and fixture for LDW/ADR/ACC adjustment. See page 13 for details.

WM

FM

CM

VAS6292PXX-BLK
Shown with included Radar Alignment System Kit for LDW/ADR/ACC adjustment

Wide Angle TD Targets with Quick Grip Adaptors and Elite Accessory Package

Wheel and Tire Service Equipment

Basic Compliance VAS6292 Equipment Package

P/N	Description
	(Standard package for new installations)
VAS6292XX-BLK	WinAlign WA600 Series with premium compact cabinet and 24" Widescreen LCD

XX= Sensor Options
 	
CM = Cabinet Mounted
WM= Wall Mounted
FM = Floor Mounted
	Alignment consoles include:
	- Computer with;
	  - Current WinAlign® Software
	  - Electronic Software Authorization Key for VAS software
	  - Two Years of Vehicle Specification Updates
	  - 2 years subscription to Hunternet™ featuring Webspecs™ and Shop Results
	  - Intel Core i3 Processor – 3.6 GHz (or greater)
	  - 4 GB RAM
	  - 250.0 GB HDD (or greater)
	  - Single DVD/CD-RW Drive
	  - USB 2.0
	  - Network Module
	  - Wireless Network Module
	  - Mouse
	  - Windows 10
	  - Digital-Photo
	  - Digital-Video
	  - HP Color Printer
	  - Keyboard
	  - iShop™ and ASANet™ compatible
	  - Handheld wireless remote control
	  - Live Ride Height Targets (20-2050-1)
	  - Steering Wheel Holder
	  - Brake Pedal Depressor
	  - Select one of the following Hawkeye Elite camera sensor types: WM, FM, CM
	  - Wide Angle Three Dimensional Targets and Quick Grip Adaptors
	  - Radar Alignment System Kit for LDW/ADR/ACC adjustment (20-2814-1)
	  - HunterNet® Capable
	  - Hardwired Internet connection required for Porsche

See "VAS Minimum Requirement Alignment Tools" section on page 13 for additional requirements.

Radar Alignment System Kit 20-2814-1 is used with VAS6430 calibration bar and fixture for LDW/ADR/ACC adjustment. See page 13 for details.

WM

FM

CM

VAS6292XX-BLK
Shown with included Radar Alignment System Kit for LDW/ADR/ACC adjustment

Wide Angle TD Targets with Quick Grip Adaptors and Elite Accessory Package

Wheel and Tire Service Equipment

Accessories Package - Options

	20-2775-1-V TD Targets Upgrade Kit	20-2776-1-V WA 14.x Software Upgrade Kit	20-3322-1-V WA 15.x Software Upgrade Kit	20-3394-1-V Console Upgrade Kit	20-2005-1 WinAlign Plus Key Kit	REQUIRES HE421xxVAG Sensor Package	REQUIRES 20-2814-1 Radar Alignment Kit for LDW/ADR/ACC
Upgrade Options							
WA400 Aligner with HW1B PC and HS421 Sensors	✓		✓				✓
WA300 Aligner with HW1B PC and HS421 Sensors	✓		✓		✓		✓
WA400 Aligner with HW1 PC and HS421 Sensors	✓	✓					✓
WA300 Aligner with HW1 PC and HS421 Sensors	✓	✓			✓		✓
WA200 Aligner				✓	✓		✓
WA100 Aligner				✓	✓	✓	✓
811 Plus Aligner				✓		✓	✓
811 Aligner				✓	✓	✓	✓

> NOTE: All WinAlign 14.x and 15.x upgrades require that a Gen 2 or greater USB Box be installed. If needed order Part #232-246-1 Gen 3 USB box.

P/N	TD Target Kit
TD Target Upgrade Package Kit # 20-2775-1	
20-2775-1-V[A]	**WA300, WA400 to WinAlign 14.x Hardware Upgrade Kit** – Kit Includes 2 TD-WA Targets and 2 Standard TD targets, Quick Grip Clamp on Adaptors, Fixed Hook Kit, Wheel Spacer Kit, Storage Bracket Kit and Protective Ring Replacement Kit.
20-2005-1[A]	**WinAlign Plus Electronic Key Kit** – Kit includes WinAlign Plus Software Required for Hawkeye Elite Sensors.

Wheel and Tire Service Equipment

Upgrading Existing VAG/VAS Aligners

<div style="background:black;color:white">

Upgrades for Existing VAG/VAS Aligners with VAG/VAS Program Key

</div>

All upgrade kits listed below conform to VAS6292 specifications.

All upgrade kits on this page should be ordered when upgrading an existing VAG/VAS aligner. For the upgrade to work properly, the following must be present in the existing aligner:

VAG/VAS Program Key - (verify program key installed by pressing "Show Authorization" key from logo screen)

VAS requires a color printer and 22" Widescreen LCD monitor or larger.

P/N	Series 811 to WinAlign HW2 Upgrade Kits
WinAlign HW2B Configured Computer	
20-3394-1-V[A]	**811, WA100, WA200, WA300, WA400 to WinAlign HW2B Upgrade Kit** - Upgrades VAG/VAS 811, WA100, WA200, WA300, WA400 console w/ Gen 2 USB box and VAG key to the latest WinAlign HW2 PC hardware and VAG software/key. *(No exchanges and no deletions). Requires that a Gen 2 or greater USB box, color printer, minimum 22" UVGA monitor, and VAG Program Key be present.*

P/N	WinAlign 14.x Software Upgrade Kits
20-2776-1-V[A]	**WinAlign 14.x Upgrade for VAG** – Upgrades WA300 and WA400 VAG Aligners with HW1 or HW1B PCs. *(No exchanges and no deletions). Requires that a Gen 2 or newer USB box, color printer, minimum 22" UVGA monitor and VAS Program Key be present.*

P/N	WinAlign 15.x Software Upgrade Kits
20-3322-1-V[A]	**WinAlign 15.x Upgrade for VAG** - Upgrades WA300 and WA400 VAG Aligners with HW1B PCs. *(No exchanges and no deletions). Requires that a HW1B PC, Gen 2 or newer USB box, color printer, minimum 22" UVGA monitor and VAS Program Key be present.*

P/N	WinAlign 16.x Software Upgrade Kits
20-3620-1-V[A]	**WinAlign 16.x Upgrade for VAG** - WinAlign® 16 VAG software upgrade. Includes keys, the latest spec database and Installation/Training by Hunter Service Rep. Requires HW2 PC. A VAG WinAlign Aligner key must be present for the upgrade.

P/N	Series WinAlign HW2B Upgrade Kit Options
20-3197-1[B]	**Wireless Network Module –** connects a Hunter WinAlign WA Series Aligner to a customer's wireless network.

Wheel and Tire Service Equipment

Upgrading older VAS6292 Systems to New Hawkeye Elite Targets

Hunter Required Accessories for Upgrading Existing VAG/VAS Equipment with Camera Sensors
- For existing installations the following criteria must be met:
One of the following Hunter camera sensor types: HS401, Hx421 with High Definition Targets or TD Targets
Current WinAlign® Software and specification database.
Electronic Software Authorization Key for V.A.G software.
Stainless steel turnplates – convertible low friction (20-2533-1)
Radar Alignment System Kit 20-2814-1-1(requires Hx421), for LDW/ADR/ACC adjustment.
Network Module.
Windows 7 or 10
HW2, HW1B, HW1, WA Series or Series 811 or 811P computer (or greater)
22" Widescreen LCD monitor or larger
Color printer
Live Ride Height Targets, 20-2050-1
Note: Dealer must have or order a VAS compliant rack capable of stainless steel turnplates and two jacks to meet requirements

VAS LDR/ADR/ACC TOOL CLEARANCE NOTE:

Some VAG vehicles have radar-based cruise control options. The aiming of these systems requires a special tool to be placed in front of the vehicle while alignment sensors are mounted to the tool and the rear axle of the vehicle.

Training

New VAG/VAS package does not include required suspension training. Please contact your local Learning Center if you are interested in scheduling alignment training.

Wheel and Tire Service Equipment

HE421xxVAG-BLK Sensor Packages

HE421xxVAG Sensor Packages	
	HE421WMVAG-BLK Sensors - Suitable for most installations. Wall mounted for straight or angled (herringbone) approach bays. Patented fixed camera configuration. NO MOVING PARTS, yet still allows the technician to lift the vehicle to a comfortable working height. Includes 4 Cameras, Wide Angle Three Dimensional Targets with Quick Grip Adaptors and turnplate bridges. **Sensors only.** **Cabinet and Turnplates not included.**
	HE421FMVAG-BLK Sensors - Floor mounted overhead camera configuration suitable for drive through. Patented fixed camera configuration. NO MOVING PARTS, yet still allows the technician to lift the vehicle to a comfortable working height. Includes 4 Cameras, Wide Angle Three Dimensional Targets with Quick Grip Adaptors and turnplate bridges. **Sensors only.** **Cabinet and Turnplates not included.**
	HE421CMVAG-BLK Sensors – Portable cabinet mount sensors mount to a compact (narrow) console and may be rolled from bay to bay. A manually operated vertical camera lift provides a full range of travel for additional lift height or to work with the vehicle on the floor. Includes 4 Cameras, Wide Angle Three Dimensional Targets with Quick Grip Adaptors, turnplate bridges and one set of anchor plates. **Sensors only.** **Cabinet and Turnplates not included.**
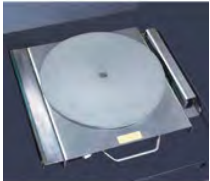
Wheel and Tire Service Equipment

P/N	Description	
20-2880-1	**Plus Cordless Remote Indicator** - New style cordless remote indicator for WinAlign WA400, WA600 Series Aligners. Records tire pressure, tread depth, ride height and measures tire temperature and frame angle. Includes Tire Temperature Probe. ***REQUIRED ACCESSORY.***	
20-2112-1	**Live Ride Height Adhesive Strips Kit** - For use with Live Ride Height Targets. (100 Adhesive Strips)	
20-1872-1	**VAS Rollback plates** - used where clearance is limited between rack and wall.	**Photo Unavailable**
20-2538-1	**Vin Bar Code Reader** – Quick and accurate vin information.	
20-2336-1	Pair of PowerSlide Low Friction Turnplates. For use with previous vintage of VAS approved RX lift with PowerSlide or Inflation Station.	

VAS6430 LDR/ADR/ACC TOOL CLEARANCE NOTE:

Many VAG vehicles have radar-based cruise control options. The aiming of these systems requires a special tool to be placed in front of the vehicle while alignment sensors are mounted to the tool and the rear axle of the vehicle.

The VAS LDR/ADR/ACC tool requires a specific amount of space in front of the vehicle to operate. In tight bays, it is ok to roll the vehicle back to achieve this space.

Refer to the following diagrams for **minimum unobstructed** rack to wall and LDR/ADR/ACC tool clearances.

Note: *HE421FM and HE421WM sensor do not have supporting structure along the center of the bay, therefore they will not interfere with radar aiming. The HE421CM3VAG or HE421CM4VAG can be rolled out of the way with the cabinet.*

Minimum rack to wall clearance without rolling back:
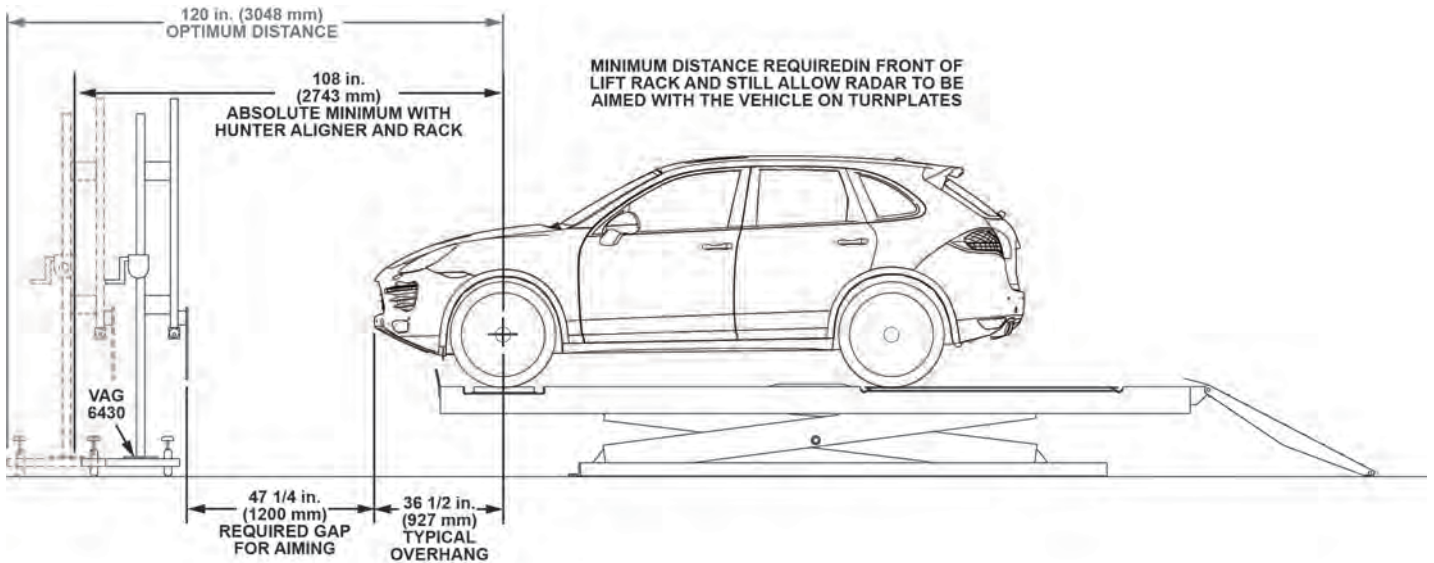
Minimum rack to wall clearance with rolling back:
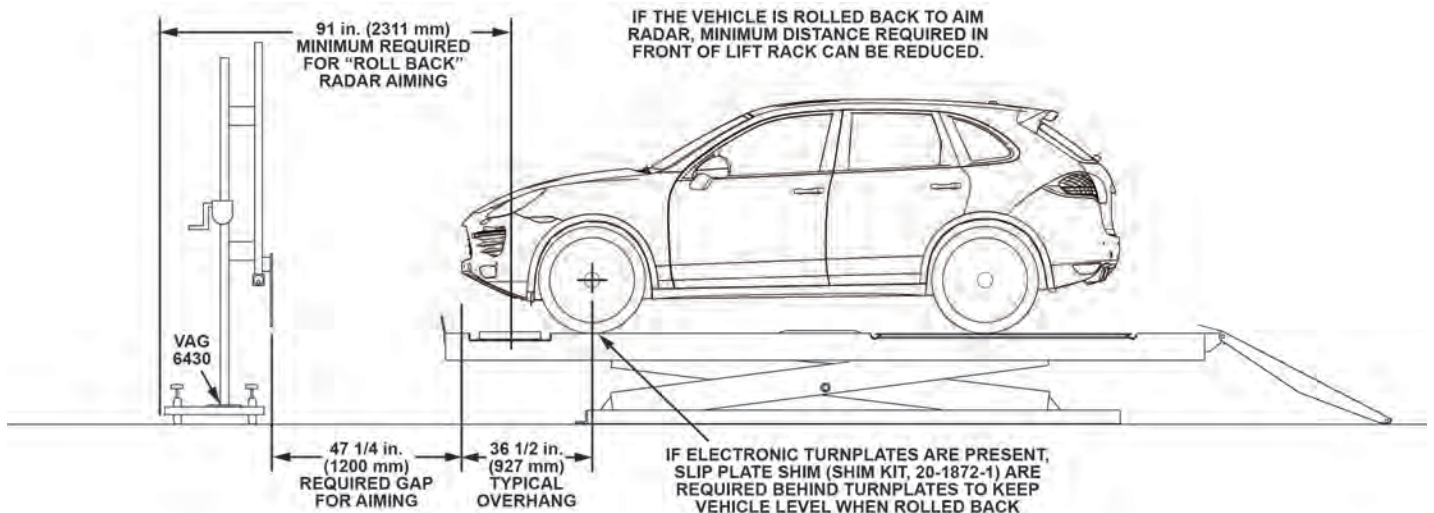
Refer to "Hawkeye Series Sensor Placement to Accommodate the Aiming of Radar-Based Cruise Control Systems (LDW, ADR AND ACC)", Form 5570-T, for more information.

Radar Alignment System Kit 20-2814-1 is standard with all of the VAS6292 equipment packages.
The Radar Alignment System Kit is used with VAS6430 calibration bar and fixture for LDW/ADR/ACC adjustment.

Wheel and Tire Service Equipment

NEW CONSTRUCTION

VAS new construction clearance in front of rack spec. is 138 in. (3500 mm).

NOTE: *It's a best practice to flush mount alignment racks, if possible, to accommodate peripheral camera calibrations in the alignment bay.*
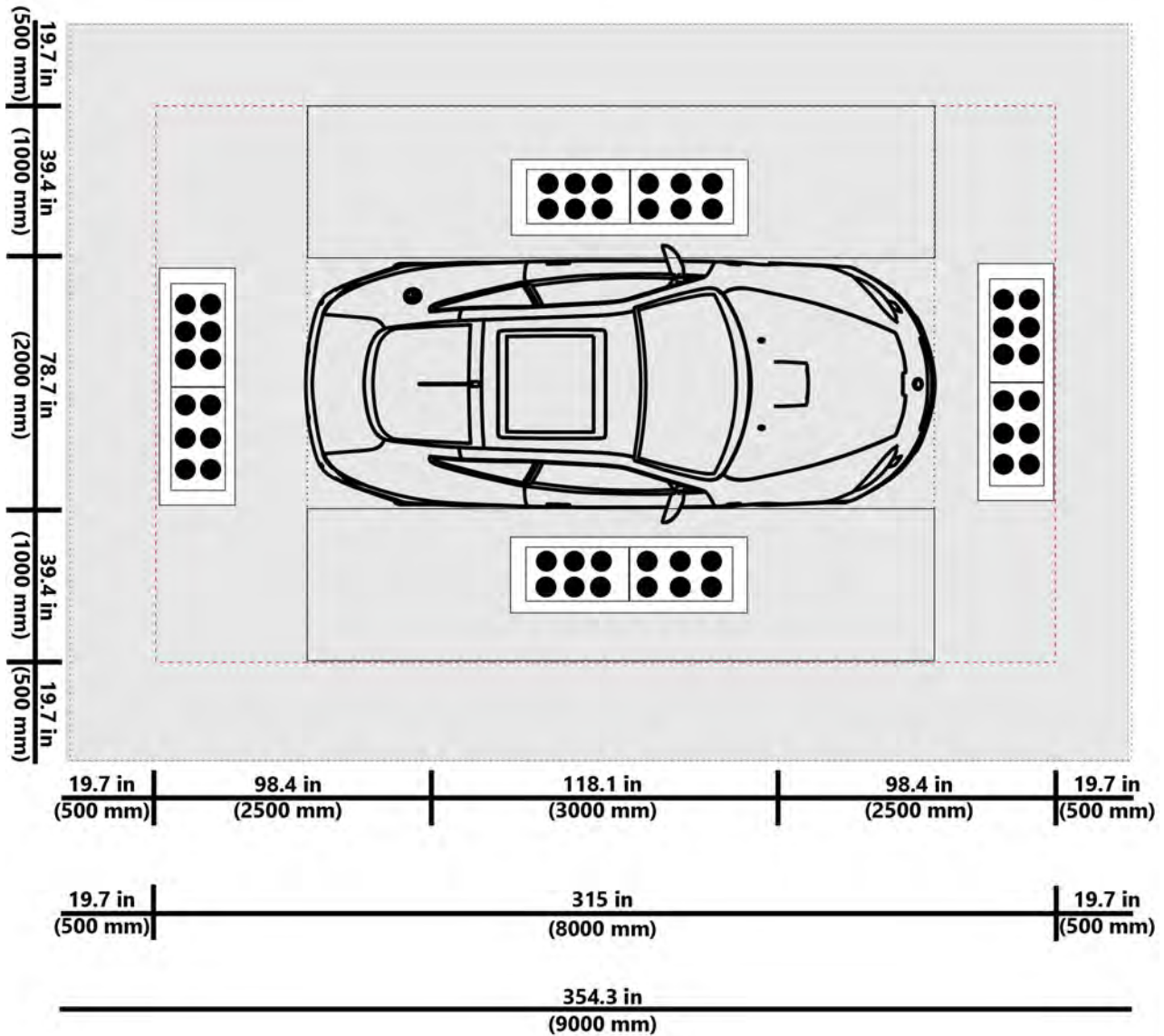
Wheel and Tire Service Equipment

Minimum Requirement Alignment Tools

P/N	Description	
(VAS6292/1)	Wheel Alignment System ADC/ACC Hunter Cameras **1 set** **Included in Hunter VAS6292**	
VAS6350/2A	Spacing Laser (WE 1369) **This tool must be ordered from the Porsche Special Tools & Equipment Website.**	
VAS6350/3A	Spacing Laser **This tool must be ordered from the Porsche Special Tools & Equipment Website.**	
VAS6350/4	Lane Change Calibration Tool (PNA WE1 375) **This tool must be ordered from the Porsche Special Tools & Equipment Website.**	
VAS6350/5	Extension for 6350A **1 set** **This tool must be ordered from the Porsche Special Tools & Equipment Website.**	
VAS6350/7	Locking Pins for (991 Turbo) **1 set** **This tool must be ordered from the Porsche Special Tools & Equipment Website.**	
VAS6350A	Reverse Camera Calibration Board Set (WE 1368) **This tool must be ordered from the Porsche Special Tools & Equipment Website.**	

VAS6430/1A	Setting Device Basic Set **This tool must be ordered from the Porsche Special Tools & Equipment Website.**	
VAS6430/3	ACC Reflector Mirror for Audi. **This tool must be ordered from the Porsche Special Tools & Equipment Website.**	
VAS6430/4	Calibration Board for Lane Guard System. **This tool must be ordered from the Porsche Special Tools & Equipment Website.**	
VAS6430/6	Night Vision Assist Calibration & Adjust Tool. **This tool will be needed starting with Panamera G2 in 2017.** **This tool must be ordered from the Porsche Special Tools & Equipment Website.**	
VAS6430/8	Setting Device Trolley **This tool must be ordered from the Porsche Special Tools & Equipment Website.**	
VAS6826	Steering Wheel Balance Tool **This tool must be ordered from the Porsche Special Tools & Equipment Website.**	
VAS6830	Adaptors for Center Lock Wheels **To secure TD Targets to the VAS6830 one (1) set of TD Target adaptors, part number 20-2948-1, are needed.** **This tool must be ordered from the Porsche Special Tools & Equipment Website.**	
VAS6918	Quick Clamping Device for 5 Lug wheels **To secure TD Targets to the VAS6918 one (1) set of TD Target adaptors, part number 20-2948-1, are needed.** **This tool must be ordered from the Porsche Special Tools & Equipment Website.**	

Wheel and Tire Service Equipment

VAS6905A	Surround View Calibration Mats for Clarion System **This tool is available via special order only and may take up to 16 weeks for delivery.** **This tool must be ordered from the Porsche Special Tools & Equipment Website.**	
VAS721001	Surround View Calibration Mats for Valeo System **This tool must be ordered from the Porsche Special Tools & Equipment Website.**	

Wheel and Tire Service Equipment

Recommended Rack Groups

Rack Groups for Flush Mount Applications
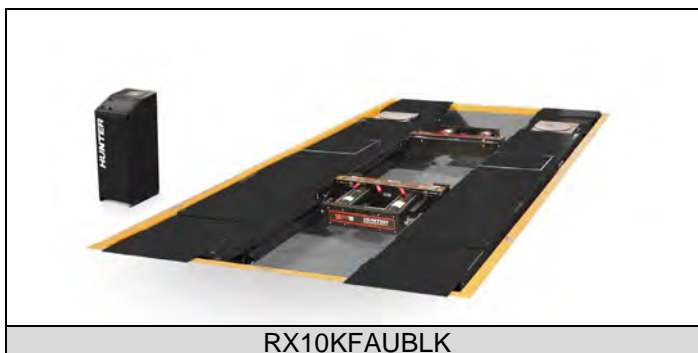
RX10KFAUBLK

P/N	Description
RX10KFISAUBLK^A	**RX Scissor Rack**, 10,000 lb. Capacity, Air line kit included, (2) 6,000 lb. Capacity Swing Air Jacks, 161" max. Stainless Steel Low Friction Turnplates, Align Wheelbase, w/Power Slide Slipplates, w/InflationStation. Flush Mount. *RECOMMNEDED BY PORSCHE*
RX10KFPSAUBLK^A	**RX Scissor Rack**, 10,000 lb. Capacity, Air line kit included, (2) 6,000 lb. Capacity Swing Air Jacks, 161" max. Stainless Steel Low Friction Turnplates, Align Wheelbase, w/Power Slide Slipplates. Flush Mount.

-PS and -IS groups suitable for camera or conventional sensors.

Rack Groups for Surface Mount Applications

RX10KPSAUBLK

P/N	Description
RX10KISAUBLK^A	**RX Scissor Rack**, 10,000 lb. Capacity, Air line kit included, (2) 6,000 lb. Capacity Swing Air Jacks, 161" max. Stainless Steel Low Friction Turnplates , Align Wheelbase, w/Power Slide Slipplates, w/InflationStation. *ACCEPTED BY PORSCHE Requires 20-2189-1-BLK.*
RX10KPSAUBLK^A	**RX Scissor Rack**, 10,000 lb. Capacity, Air line kit included, (2) 6,000 lb. Capacity Swing Air Jacks, 161" max. Stainless Steel Low Friction Turnplates , Align Wheelbase, w/Power Slide Slipplates.

Options for RX Racks

P/N	Description
20-3438-1 ^A	**Alignment Rack LED Lighting Kit** – Brilliant illumination utilizing LED lights. Easy service and installation. MINIMUM REQUIRED
20-1579-1	**Center Lift Jack Adaptor –** For Swing Air jacks includes clip-on storage tray. REQUIRED BY PORSCHE
20-2189-1-BLK	Stage 2 RX Approach Ramps – 50" long extended approach ramps for all Surface Mount RX Models. Black. REQUIRED FOR TAYCAN, GT AND 918 MODELS

Wheel and Tire Service Equipment

Road Force Elite Measurement System (VAS6230)

VAS6230 Wheel Balancer Minimum Requirement	
P/N	**Description**
VAS6230BE4	Road Force Elite with SmartScan laser measuring, printer, wheel lift, StraightTrak, Auto Clamping, Road Force Measurement, Hammerhead, Run Out Measurement and Balancer, 21" Touchscreen, Spindle-Lok, Servo- Stop, Direct Weight Placement , BullsEye Centering Collets, and Adjustable Flange Plate with Accessories (208-230V/8 Amp, NEMA #L6-20P, 1Ph.) HunterNet Capable Hardwired Internet Required

VAS6230BE4	VAS6230BE3

Other Balancers and Tire Changer Groups

Wheel Balancers	
P/N	**Description**
VAS6230BE4NP	Road Force Elite with SmartScan laser measuring, wheel lift, StraightTrak, Auto Clamping, Road Force Measurement, Hammerhead, Run Out Measurement, and Balancer, 21" Touch Screen, Spindle-Lok, Servo- Stop, Direct Weight Placement , BullsEye Centering Collet Kit with Adjustable Flange Plate with Accessories (208-230V/8 Amp, NEMA #L6-20P, 1Ph. direct current patented Servo Drive system) HunterNet® Capable, Hardwired Internet Required **VAG/VAS only**
VAS6230BE3	Road Force Elite with SmartScan laser measuring, printer, StraightTrak, Auto Clamping, Road Force Measurement, Hammerhead, Run Out Measurement, and Balancer, 21" Touch Screen, Spindle-Lok, Servo- Stop, Direct Weight Placement , BullsEye Centering Collet Kit with Adjustable Flange Plate with Accessories (208-230V/8 Amp, NEMA #L6-20P, 1Ph. direct current patented Servo Drive system) HunterNet® Capable Hardwired Internet Required **VAG/VAS only**
VAS6230BE3NP	Road Force Elite with SmartScan laser measuring, StraightTrak, Auto Clamping, Road Force Measurement, Hammerhead, Run Out Measurement, and Balancer, 21" Touch Screen, Spindle-Lok, Servo- Stop, Direct Weight Placement , BullsEye Centering Collet Kit with Adjustable Flange Plate with Accessories (208-230V/8 Amp, NEMA #L6-20P, 1Ph. direct current patented Servo Drive system) HunterNet® Capable Hardwired Internet Required **VAG/VAS only**

P/N	**Description**
20-2031-1	Adaptor Kit-Porsche – Porsche large press ring, Porsche pressure ring, one spacer - 1.50 Wheel Offset MTG. **MINIMUM REQUIRED**
175-439-2	Adaptor – Porsche – 55 mm press ring **MINIMUM REQUIRED**

Wheel and Tire Service Equipment

Recommended VAS Tire Changers

P/N	Description
TCRHVAG	Revolution Fully Automatic Tire Changer, Space Efficient Console, 12-30" Capable, Center Clamp, Leverless Toolhead, Powered Press Arms, WalkAway Operation, Touchscreen Display. Standard flange plate and camera kit. 208-230V, 30A, 1 phase (L6-30P Plug Provided). Black. **(Minimum required tool)** HunterNet® Capable, Hardwired Internet Connection Required
TCA34RBLK[A]	Auto 34R tire changer. 10-34", Automated toolhead for lever free operation. Variable speed high-torque 220V motor, Bead Press arm standard, simple three button control. Black Color. **(Only acceptable as a secondary tire changer. Not to be substituted for TCRHVAG.)**
TC39WBLK	Center Clamp Tire Changer, Leverless Toolhead, bead press arm, split bead loosening arms, variable speed electric motor, movable column, adjustable work height. 220V, 15A, 1ph (L6-20P plug provided), Black color, with wheel lift **(Only acceptable as a secondary tire changer. Not to be substituted for TCRHVAG)**

TCRHVAG (Minimum Required Tool)	TCA34RBLK (Secondary Tool Only)	TC39WBLK (Secondary Tool Only)

20-3715-1	Revolution Hydraulic Spindle Retro Fit Kit