

# ULTIMATE ADAS<sup>®</sup>

World-class wheel alignment and ADAS in one!



Defining the standard



Faster static  
calibrations



Laser  
accuracy



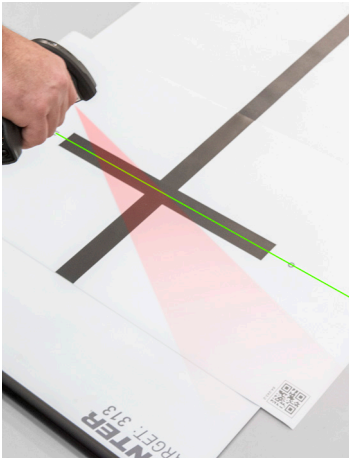
Comprehensive  
documentation



HunterNet<sup>®</sup>  
connectible



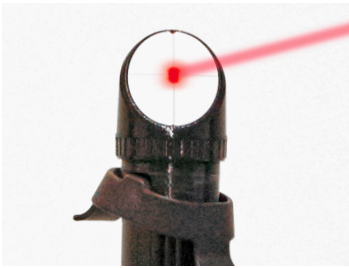
# FASTEST ADAS TARGET PLACEMENT... CONFIRMED



**PATENT PENDING**

## Laser-guided target placement

- ✓ Lasers paint target location all around the vehicle
- ✓ Guided procedure provides step-by-step instruction
- ✓ No strings, plumb bobs or tape measures



**PATENT PENDING**

## Error-proofed procedure confirms placement

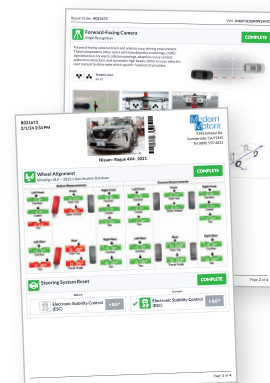
- ✓ Cameras and lasers confirm placement
- ✓ Returns tech to previous step when errors are detected



**PATENTED**

## Guided placement powered by laser gimbals for maximum accuracy

- ✓ Green line and red dot provide guidance
- ✓ Around-the-vehicle coverage
- ✓ Spot-on placement with time of flight



## World-class printouts document work

- ✓ Easily understood graphics
- ✓ Confirmed OEM specs
- ✓ Speeds payment

# PLUS PROFITABLE AND FAST WHEEL ALIGNMENT



## Easy setup with no wheel damage

- ✓ QuickGrip® adaptors and TD targets reference wheel position without risking wheel damage



## 4-camera technology improves accuracy

- ✓ Wide field of view
- ✓ Fewer camera height adjustments
- ✓ OEM approved precision



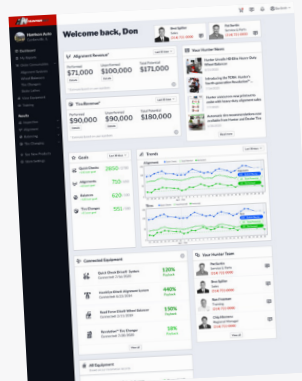
## Fast, familiar technician interface simplifies procedures

- ✓ Computer-controlled fine adjustments done electromechanically and automatically



## PATENTED Automated height, roll, pitch and yaw correction

- ✓ Motors and actuators automate and monitor tedious adjustments

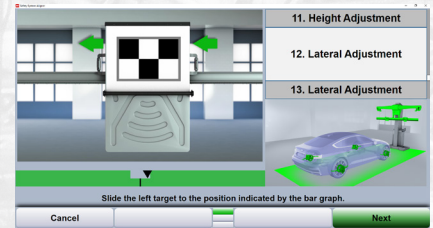


## HunterNet® online resources pull it all together

- ✓ Digital printout archive
- ✓ Coverage lookup
- ✓ Other business services and accessory ordering

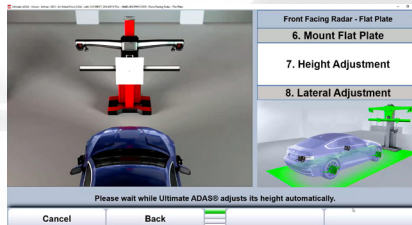
# THE MOST POPULAR STATIC CALIBRATIONS ARE COVERED

## Forward-facing camera



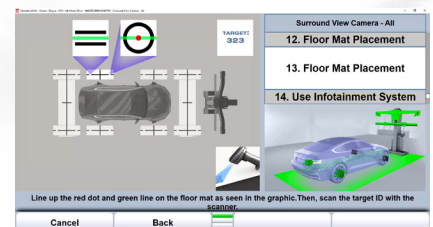
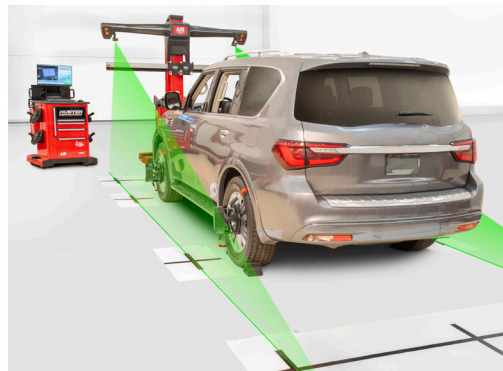
- ▶ Placement in **4:00** or less
- ▶ Confirmed placement and documentation

## Front-facing radar



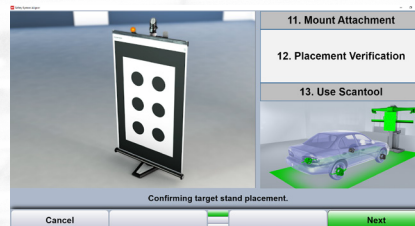
- ▶ Placement in **3:30** or less
- ▶ Confirmed placement and documentation

## Surround view

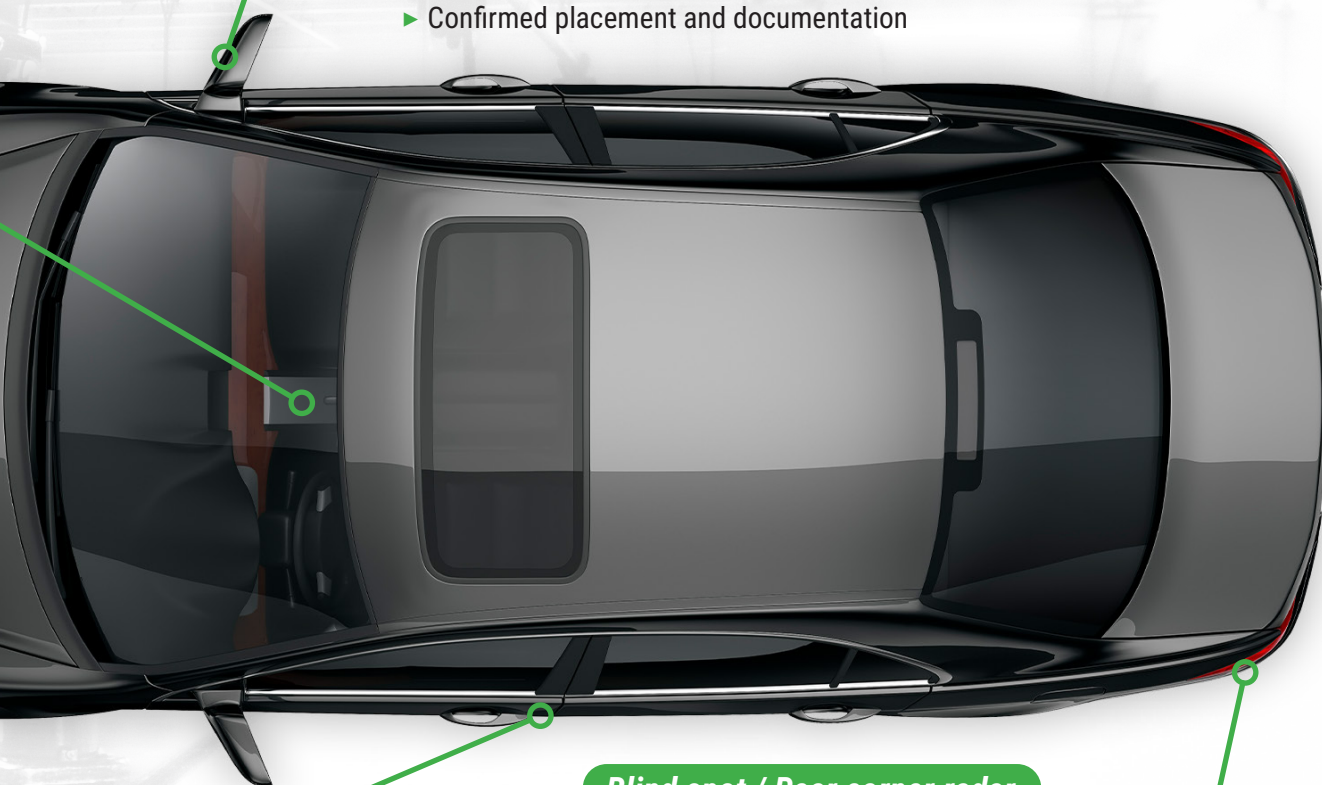


- ▶ Placement in **3:30** or less
- ▶ Confirmed placement and documentation

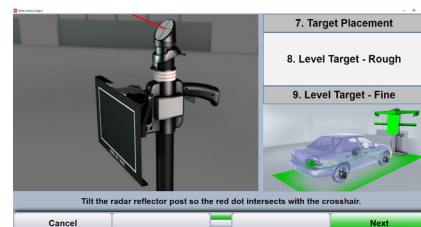
### Lane watch



- ▶ Placement in **4:00** or less
- ▶ Confirmed placement and documentation



### Blind spot / Rear corner radar



- ▶ Placement in **3:45** or less
- ▶ Confirmed placement and documentation

# ULTIMATE ADAS® HAS THOUGHT OF EVERYTHING ADAS CALIBRATIONS AS EASY AS ALIGNMENT



**PATENT PENDING**

## Automatic unlevel floor compensation

No floor is perfect, so we remove the guesswork.



**PATENTED**

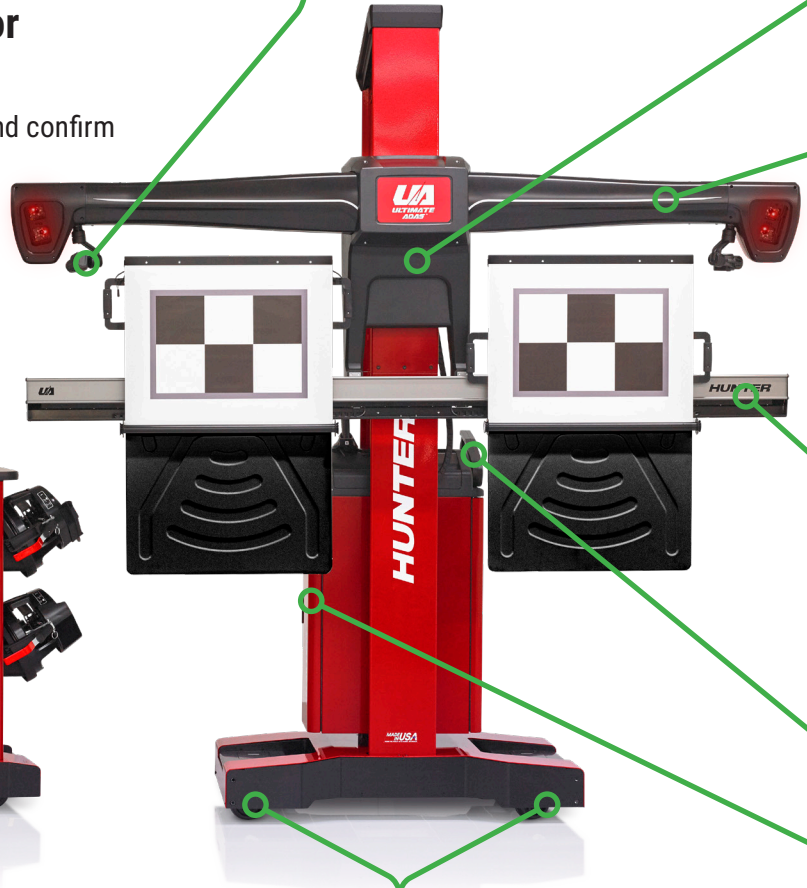
## No more strings and plumb bobs

Laser gimbals guide target placement.



## Correct for floor variation

Lasers compensate and confirm all ADAS tool placement.



## Integrated target storage

Protect and organize your target investment.



## PATENT PENDING Independent brakes

Makes placement operations easy.



## Automated system calibration check

Checks and confirms system performance before starting a vehicle calibration.



## Move from bay to bay

When additional space is needed, moving Ultimate ADAS® is easy.

# ING TO MAKE YOUR T



## **PATENTED**

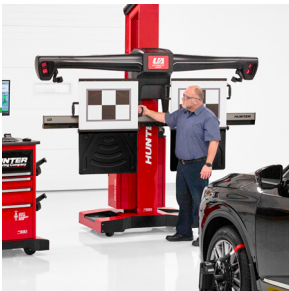
### **Automated roll, pitch and yaw adjustments**

Automated adjustments remove error sources.



### **Automated height adjustment**

For alignment and ADAS.



### **Most precise target placement**

Rail sensors align target to vehicle.



### **Maximize bay space**

Tower maneuverable from behind or in front.



### **Battery backup**

No need to power down when moving bay to bay.



## **PATENTED**

### **Industry's best adaptors**

- ✓ Faster setups
- ✓ No metal-to-metal contact
- ✓ No knob twisting



## **EXCLUSIVE**

### **Rolling comp**

QuickComp compensates all wheels and captures initial measurements in one motion



## **STANDARD**

### **Recall specs in a snap**

Recall OE specs and vehicle-specific alignment procedures instantly



## **EXCLUSIVE**

### **Faster Caster**

Saves time, increases speed and reduces battery drain from brake light draw



## **OPTIONAL**

### **CodeLink®**

Reset computerized steering systems on a wide variety of vehicles with one simple tool

# THE ULTIMATE STAND FOR REMOTE TARGETS

PATENTED

One stand for many targets



HUNTER  
ULTIMATE  
ADAS<sup>®</sup>



## Laser placement crosshairs

Spot-on lasers remove the need for strings and plumb bobs.

## Easy height control

Quickly and precisely guided by lasers.

## Location confirmed

Cameras and time-of-flight lasers lock in final location always referencing vehicle height, not stand location height.

## Locking ball joint adjustment

Allows target adjustment to vehicle instead of requiring a perfectly level bay.



# RICH LIBRARY OF TARGETS FOR THE MOST POPULAR MODELS

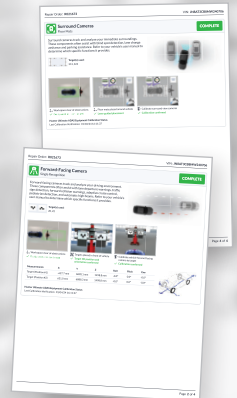
## Forward-facing camera



## Around-vehicle cameras

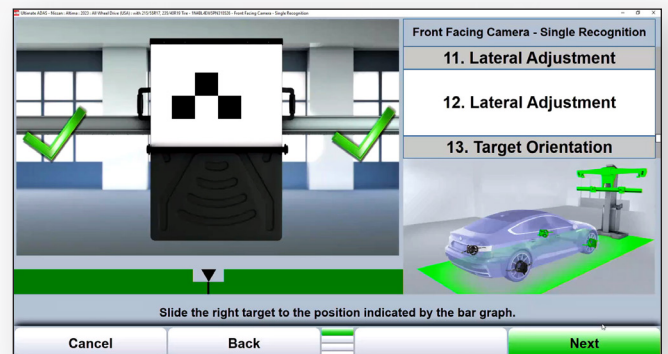
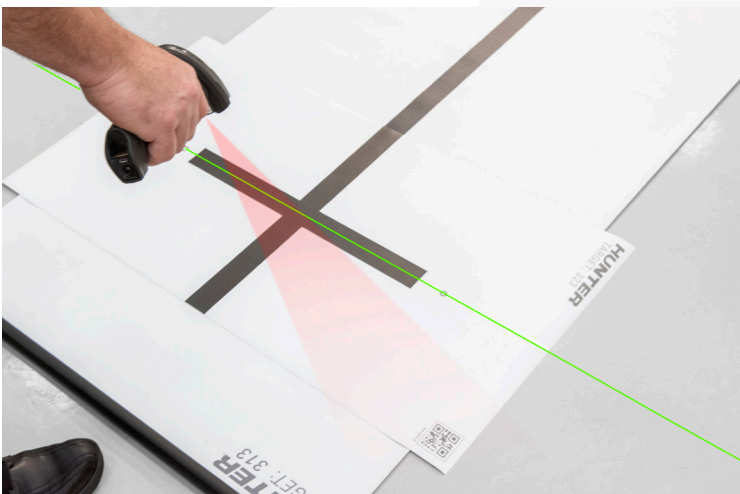


## Radar plate



Printouts of confirmed placement

## Target verification electronics




At critical placement steps electronics verify the correct target is being used.

# THE DOCUMENTATION YOU NEED, PAPER AND DIGITAL


## Memorialize the procedures performed

- ✓ Each ADAS calibration performed with confirmed process and placements used
- ✓ Before and after alignment results
- ✓ Steering angle sensor (SAS) reset results
- ✓ Digital report automatically archived

R021673  
2/1/24 3:34 PM



Nissan : Rogue 4X4 : 2021



5945 N Radar Rd.  
Summersdale, CA 91345  
Tel: (800) 555-4823

Modern Motors

Repair Order: R021673

Wheel Alignment  
WinAlign 18.0 - 2023.1 Specification Database

**COMPLETE**

Before Measurements

Left Front	Front	Right Front
Camber: -0.5°	Total Toe: 0.17°	Camber: -0.9°
Caster: -2.7°	Steer Ahead: 0.05°	Caster: 2.3°
Toe: 0.34°		Toe: 0.01°

Current Measurements

Left Front	Front	Right Front
Camber: -0.5°	Total Toe: 0.17°	Camber: -0.9°
Caster: -2.7°	Steer Ahead: 0.05°	Caster: 2.3°
Toe: 0.34°		Toe: 0.01°

Left Rear: Camber: -1.1°, Caster: 2.1°, Toe: 0.48°

Right Rear: Camber: -1.0°, Caster: 2.1°, Toe: 0.48°

Rear: Total Toe: 0.46°, Thrust Angle: 0.25°

Steering System Reset

Electronic Stability Control (ESC)

Repair Order: R021673

Forward-Facing Camera  
Single Recognition

**COMPLETE**

Forward-facing cameras track and analyze your driving environment. These components often assist with lane departure warnings, traffic sign detection, forward collision warnings, adaptive cruise control, pedestrian detection, and automatic high beams. Refer to your vehicle's user manual to determine which specific functions it provides.

Targets used: 20.22

Measurements	X	Y	Z	Roll	Pitch	Yaw
Target (Position #1)	-627.7 mm	6890.1 mm	1498.8 mm	-0.0°	0.0°	-0.0°
Target (Position #2)	631.0 mm	6888.3 mm	1498.8 mm	-0.0°	0.0°	-0.0°

Workspace clear of obstructions ✓ Designated area confirmed

Targets placed in front of vehicle ✓ Target 3D position and orientation confirmed

Calibrate vehicle forward facing camera to target ✓ Calibration confirmed

Repair Order: R012345

Blind Spot Monitoring  
Right Rear

**COMPLETE**

Side-facing radars detect vehicles and objects in the rear blind spots of the driver. These components often assist with blind spot detection, lane change assistance and parking assistance. Refer to your vehicle's user manual to determine which specific functions it provides.

Targets used: #100 Corner Reflector

Workspace clear of obstructions ✓ Designated area confirmed

Radar reflector stand placed ✓ Laser measurement confirmed

Calibrate vehicle side facing radar to reflector ✓ Calibration confirmed

Hunter Ultimate ADAS Equipment Calibration Status  
Last Calibration: 10/11/21

Repair Order: R021673

Front Facing Radar  
Flat Plate

**COMPLETE**

Forward-facing radars detect vehicles and objects in front of the driver. These components often assist with adaptive cruise control, automatic emergency braking, forward collision warnings, and front lane change assistance. Refer to your vehicle's user manual to determine which specific functions it provides.

Targets used: #1 Flat Plate

Workspace clear of obstructions ✓ Designated area confirmed

Flat plate placed in front of vehicle ✓ Target 3D position and orientation confirmed

Calibrate vehicle forward facing radar to flat plate ✓ Calibration confirmed

Hunter Ultimate ADAS Equipment Calibration Status  
Last Calibration Verification: 01/04/24 16:11:37

Repair Order: R021673

Surround Cameras  
Floor Mats

**COMPLETE**

Surround cameras track and analyze your immediate surroundings. These components often assist with blind spot detection, lane change assistance and parking assistance. Refer to your vehicle's user manual to determine which specific functions it provides.

Targets used: 313.323

Workspace clear of obstructions ✓ Designated area confirmed

Floor mats placed around vehicle ✓ Laser guided placement

Calibrate surround view cameras ✓ Calibration confirmed

Hunter Ultimate ADAS Equipment Calibration Status  
Last Calibration Verification: 01/04/24 16:11:37

Repair Order: R021673

Surround Cameras  
Floor Mats

**COMPLETE**

Surround cameras track and analyze your immediate surroundings. These components often assist with blind spot detection, lane change assistance and parking assistance. Refer to your vehicle's user manual to determine which specific functions it provides.

Targets used: 313.323

Workspace clear of obstructions ✓ Designated area confirmed

Floor mats placed around vehicle ✓ Laser guided placement

Calibrate surround view cameras ✓ Calibration confirmed

Hunter Ultimate ADAS Equipment Calibration Status  
Last Calibration Verification: 01/04/24 16:11:37

# ULTIMATE ADAS® ECLIPSES ALL ALTERNATIVES

Savings available from current flat rate guides. Exact times and savings depend on vehicle.



THE OLD WAY

Blind spot / Rear corner radar

12% SAVINGS

1.3 hours

Lane watch

55% SAVINGS

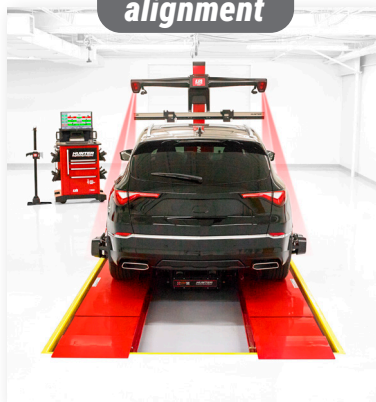
0.6 hours

Surround view

45% SAVINGS

0.5 hours

Plus wheel alignment



39% SAVINGS

0.9 hours

Forward-facing camera

51% SAVINGS

0.7 hours

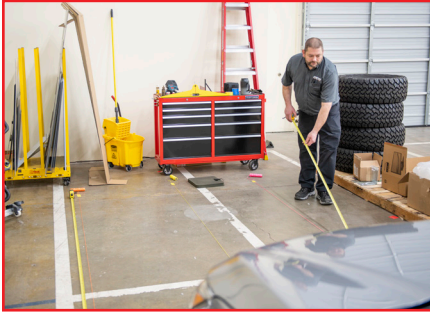
Front-facing radar

Ultimate ADAS also includes Hunter's world-class alignment system, powered by the award-winning WinAlign® software.

TIME SAVINGS

# LIVING WITH YOUR ADAS CHOICE

## FIXTURE-BASED



VS



- ✗ Reserved open space accumulates "stuff" between calibrations
- ✗ Square footage is expensive

- ✗ Single purpose fixture only sees occasional use
- ✗ Damage risk to move and store

- ✓ ROI begins on day one and continues every day
- ✓ Easy to move bay to bay as needed
- ✓ Efficient packaging keeps all components together



## Outfit your Ultimate ADAS package

See Ultimate ADAS® Ordering Guide AB08219-00 for target options



## Your local Hunter team is ready to help

- ✂ Receive same- or next-day service
- 📞 Get a free quote or on-site demo
- 🎓 Register for ASE-accredited training courses
- 📄 General information and questions



Contact your local team

[hunter.com/contact](https://hunter.com/contact)

Because of continuing technological advances, specifications, models and options are subject to change without notice.

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Engineering Company

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