

# QUICK CHECK<sup>®</sup> COMMERCIAL

Alignment and tread inspection for HD

## OPERATIONS MANUAL



HD Quick Check Drive<sup>®</sup>

Quick Tread Heavy

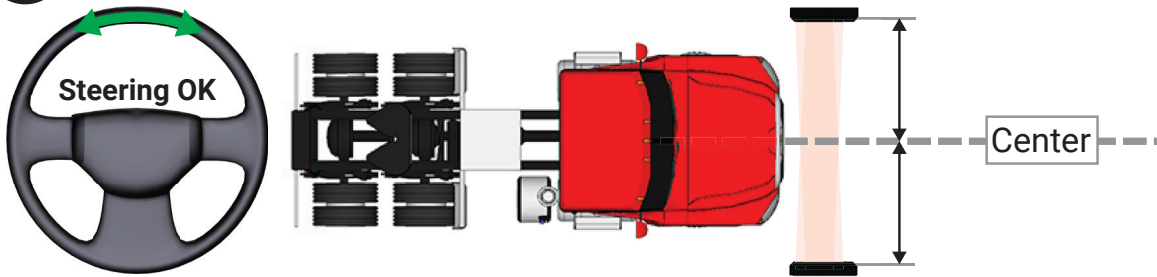
see Form QM07959-00

Form QM07936, 07-24  
Supersedes QM07936, 02-24

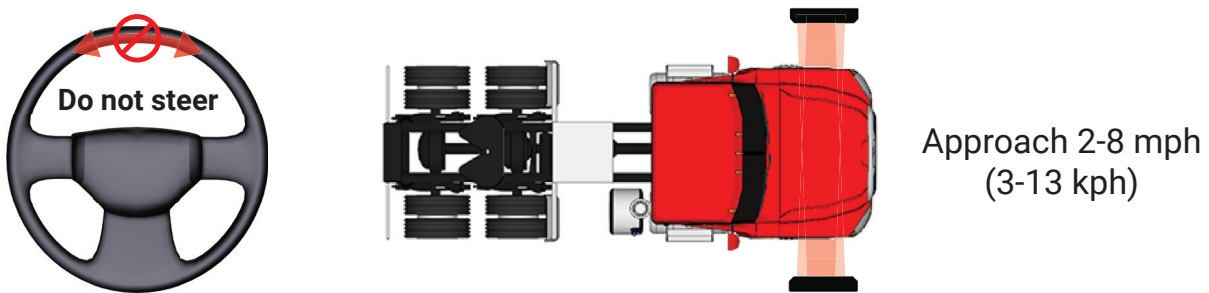


Operations Manual

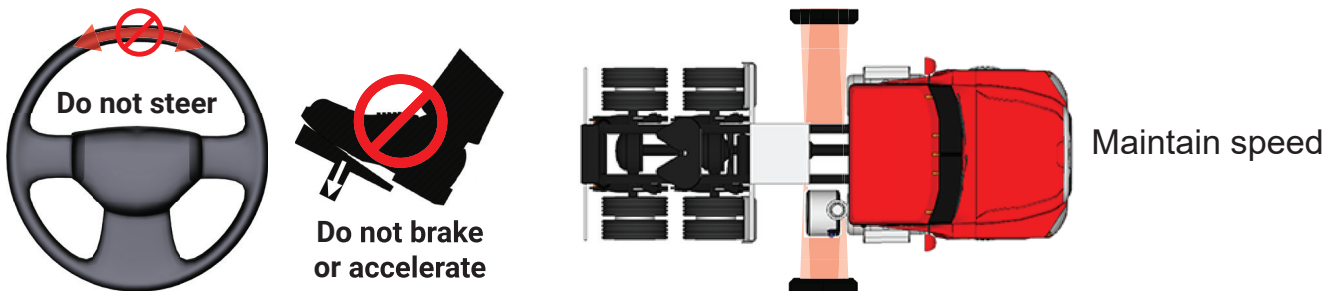
**1** Approach straight and centered between sensor towers



**2** Hold steering wheel straight ahead as vehicle approaches towers



**3** Drive straight through at constant speed



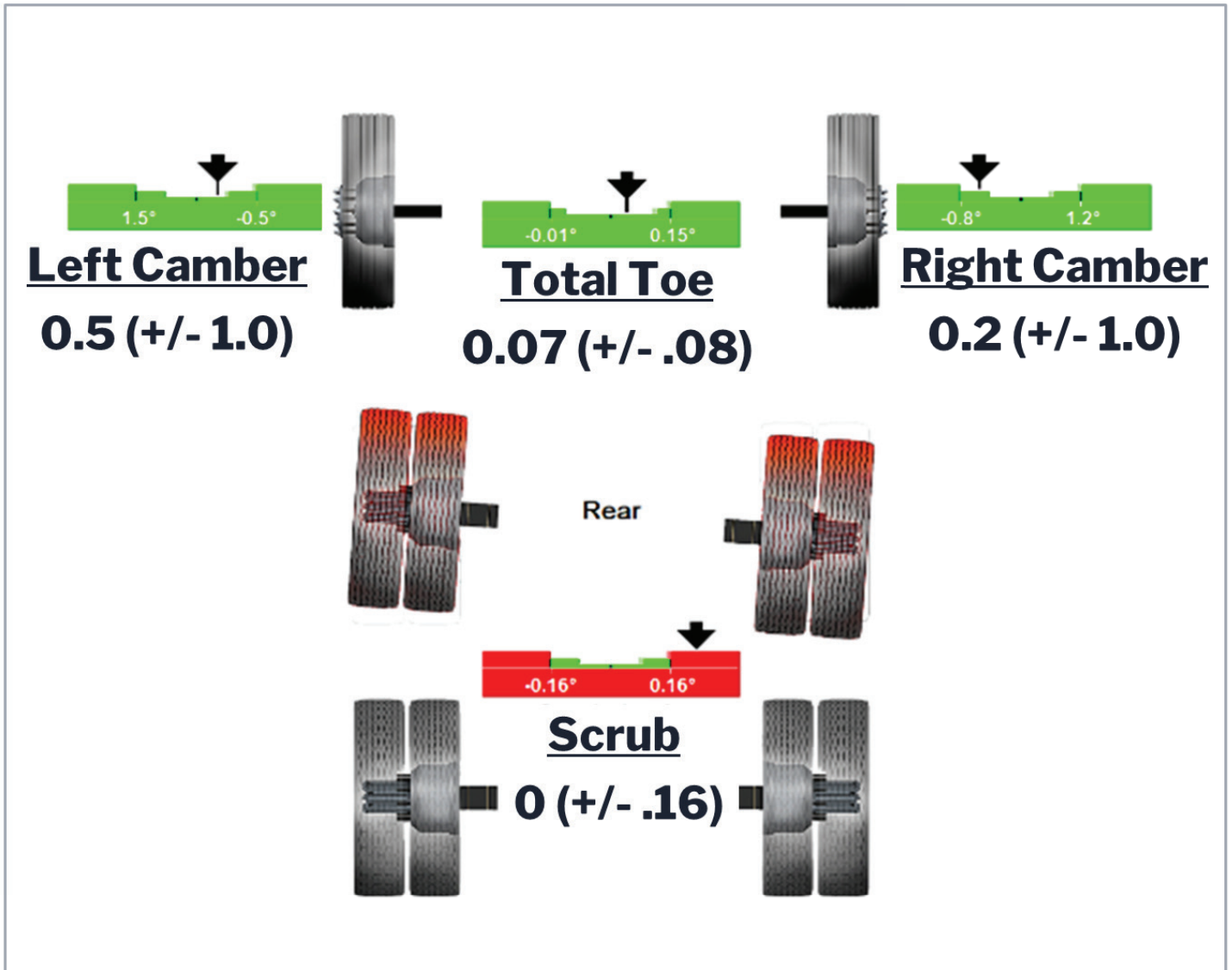
**4** Steering movement allowed after vehicle clears sensor towers



# HD Generic Alignment Specification

Hunter's HD Generic Alignment Inspection Specification enables autonomous pass/fail results without the need to manually select OEM axle specifications. It is based on Hunter research and actual OEM specifications.

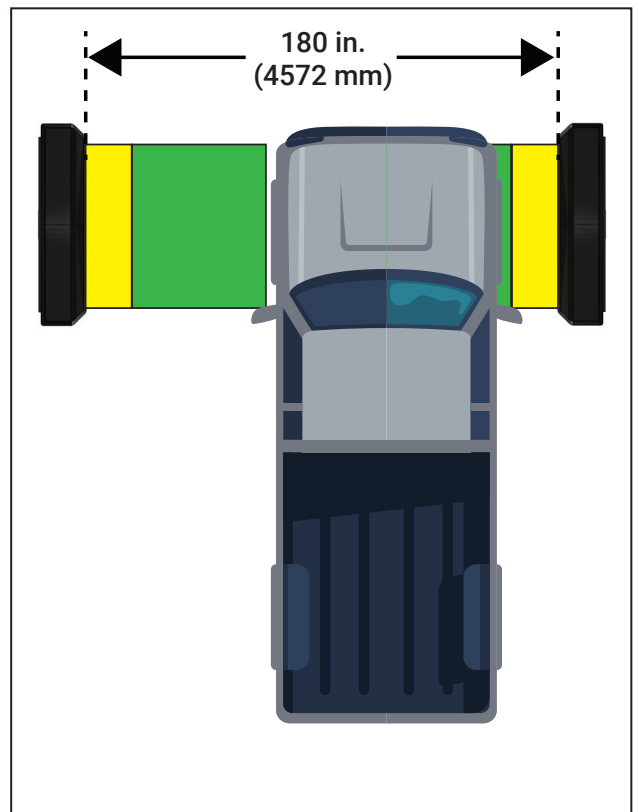
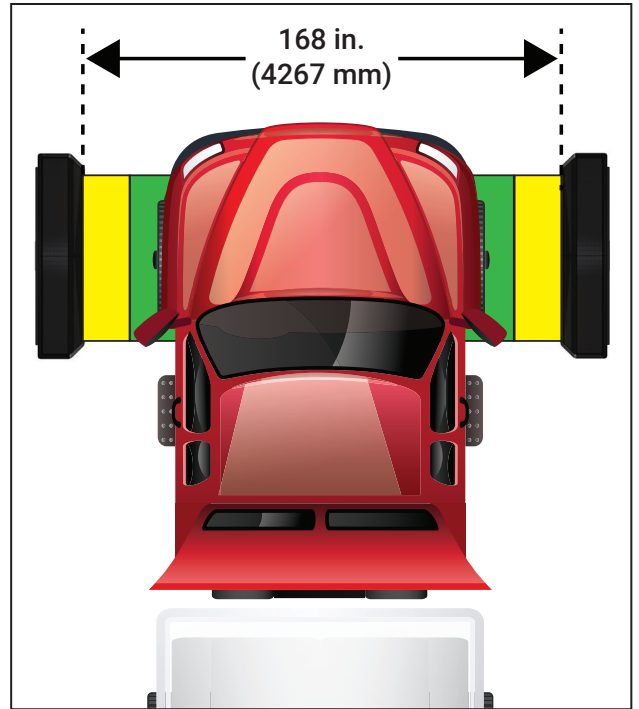
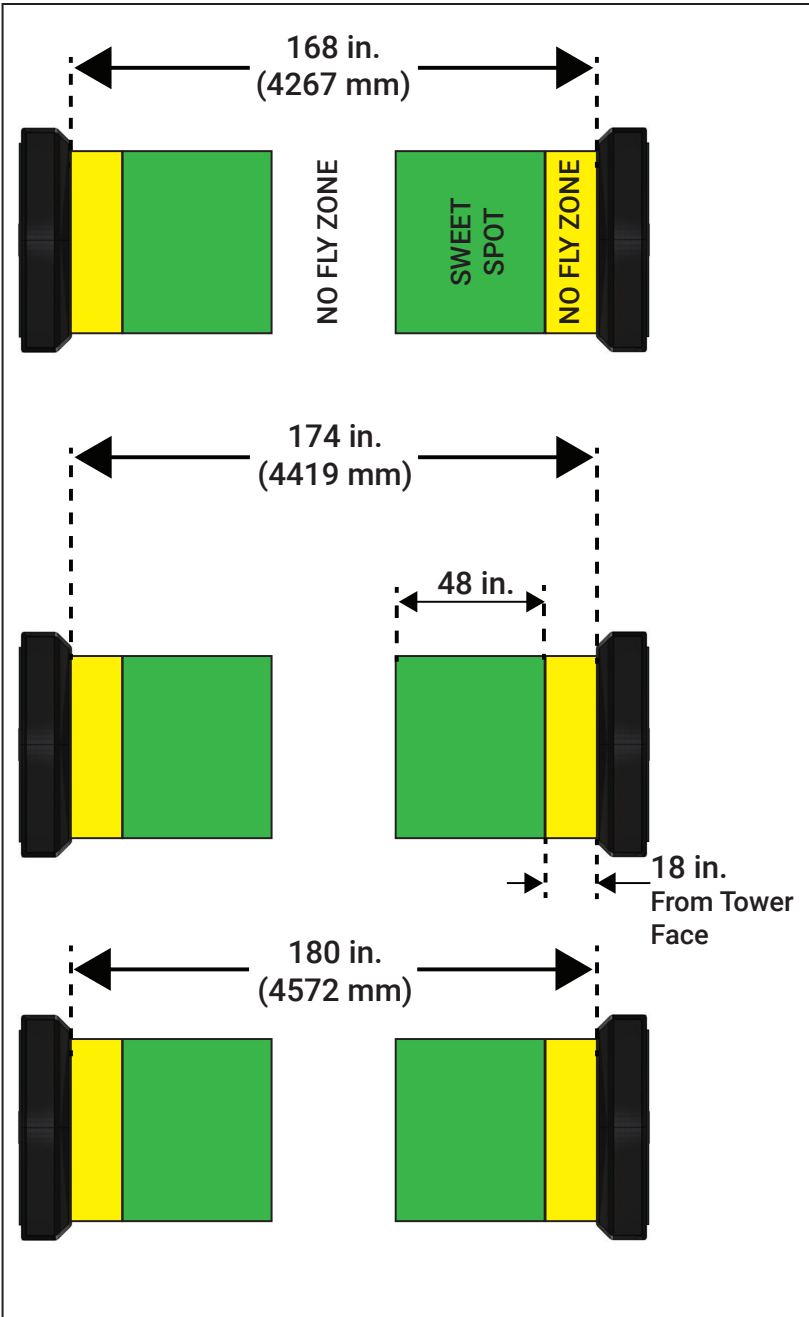
Due to the dynamic nature of QCHD alignment inspection and differences between generic and OEM specifications, a small percentage of QCHD pass/fail results may not correlate exactly to measurements taken on a Hunter HD Alignment system.



# No Fly Zones

Tires passing through the GREEN fields should deliver a complete scan of the wheel for the QCHD and generate complete results. Passing into the YELLOW No Fly Zones will result in incomplete readings.

The center area between the Green zones is also a No Fly Zone. Tires Passing through this center zone will also result in incomplete readings for the wheels passing through this area.

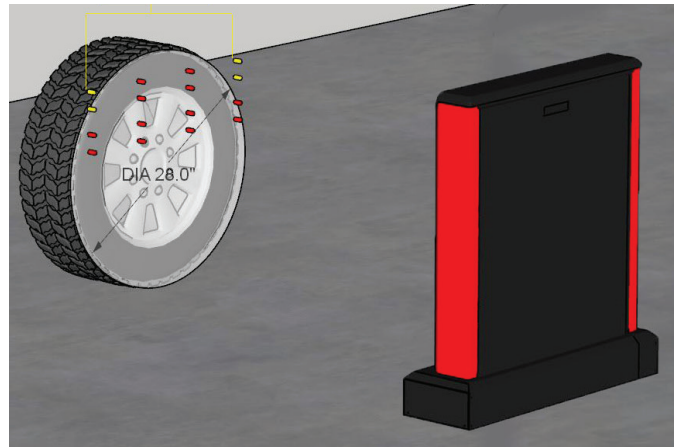




# Smaller Tire/ Wheel Readings

Due to the raised height of the QCHD the system can struggle to produce results for smaller tire / wheel combinations.

With the added height the lasers will miss portions of the tire all-together (shown by the yellow dots in the image to the right) resulting in incomplete readings.



## For Your Safety

This manual provides operation instructions for the Quick Check Commercial system.

## Hazard Definitions (Watch for these symbols below)



**CAUTION:** Hazards or unsafe practices, which could result in minor personal injury or product or property damage.



**WARNING:** Hazards or unsafe practices, which could result in severe personal injury or death.



**DANGER:** Immediate hazards, which will result in severe personal injury or death.

These symbols identify situations that could be detrimental to your safety and/or cause equipment damage.

## IMPORTANT SAFETY INSTRUCTIONS

Read all instructions before operating Quick Check Drive®. Read and follow the instructions and warnings provided in the service, operation and specification documents of the product.



**Caution –** Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

Do not operate equipment with a damaged cord or equipment that has been dropped or damaged until a Hunter Service Representative has examined it.

To reduce the risk of electrical shock, do not use on wet surfaces or expose to rain. To reduce the risk of fire, do not operate equipment near open containers of flammable liquids (gasoline).

Read and follow all caution and warning labels affixed to your equipment and tools. Misuse of this equipment can cause personal injury and shorten the life of the unit.

Keep all instructions permanently with the unit. Keep all decals, labels, and notices clean and visible. Power off the unit and clean as required with a damp cloth.

Use equipment only as described in this manual. Never stand or sit on the towers. Do not modify the unit or remove protective housings and covers. No user serviceable parts inside. Service is to be performed only by Hunter factory authorized personnel.

Do not allow laser light to be directed or reflected toward people or reflective objects. Do not operate the unit if it requires service or if protective covers and housings are damaged.

Using this equipment in any manner other than specified by Hunter may disable its safety features.

Save these instructions.

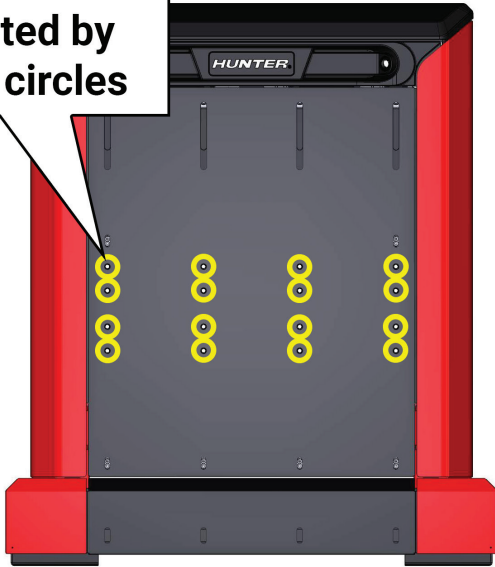
# Decal Information and Placement

## Front View

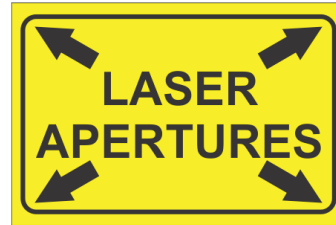
Decals **128-1787-2** indicates the locations of laser apertures.

Decal **128-1565-2** indicates laser radiation is present.

Laser apertures indicated by yellow circles

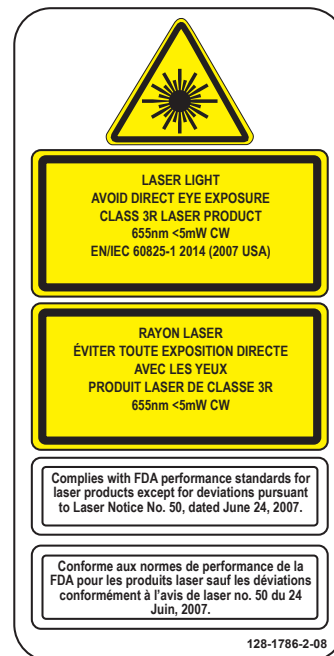
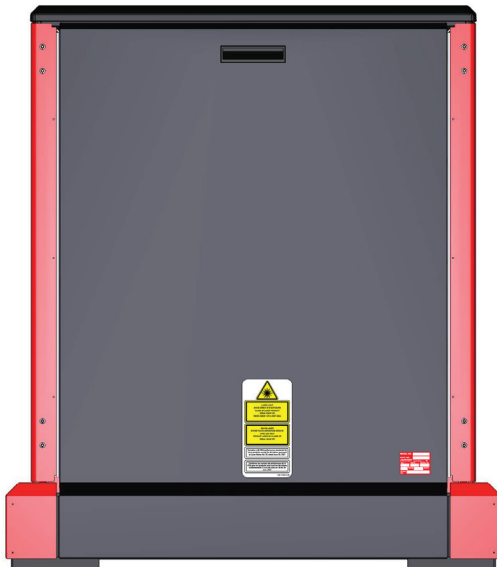


The Class 3R laser apertures are located at the front faces.



## Rear View

FDA standards for Class 3R laser compliance are shown on Decal **128-1786-2-08**.



A manufacturer's identification label is also on the rear of each tower.

MODEL NO.		
PART NO.		
<b>HUNTER</b> Engineering Company	11250 Hunter Drive Bridgeton, MO 63044 USA	ERC
VAC ~	AMPS	SERIAL NO.
	PHASE	HERTZ
SERIAL NO.		

## Specific Precautions/Optical Scan Laser

The Optical Scan Laser is a class 3R laser designed to measure wheel alignment. The laser is not a field serviceable part. No maintenance is to be performed on the laser.

This laser product is designated as Class 3R during all procedures of operation.

Wavelength: 660nm

Laser power for classification: <5 mW (3.5 mW typical)

Emission type: CW

Beam Diameter: <3 mm at aperture

Divergence: <1 mRad



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