

# ***Hunter Quick Check<sup>®</sup> System***

***Quickly Identify Profitable Service Opportunities***

**NOW AVAILABLE  
WITH FLIGHTBOARD™**



# **Quick Check® identifies profitable repair opportunities**

*Choose your inspection system:*

## **Wheel Alignment**



- ✓ Fast verification of alignment need
- ✓ Boost traffic to most profitable undercar service



## **Quick Tread®**



2 in.



**Actual image of tire!**

- ✓ Automatically measures tread depth in motion
- ✓ Available as stand-alone system

## **Handheld Tread Depth**



- ✓ Manual tire tread depth check

**NEW**

## **Quick ID™**



- ✓ Accelerate inspection process
- ✓ Automatic vehicle identification

## **Battery Health**



- ✓ Tests battery to
- ✓ Sends results to

# ities in 2 minutes or less!\*



## Tire Pressure



- ✓ Automatically adjusts air pressure to user-entered OEM spec
- ✓ Records before and after pressures

## Diagnostic Check



- ✓ Retrieves VIN and emission system codes from OBD-II

## Stopping Check



- ✓ Tests brake force at each wheel and overall vehicle deceleration



OEM specs  
console wirelessly

\*Test performed using drive over tread depth unit.

# Wheel Alignment



Hunter's patented alignment check system is the quickest way to measure alignment angles that affect tire life. The test takes less than a minute to produce total toe and camber measurements for both axles. Results are displayed on the customer printout in easy-to-understand, color-coded graphics.



**Drive-thru configuration**

- ✓ Check every vehicle that enters shop
- ✓ Fastest way to check tire wear angles
- ✓ Doesn't tie up alignment bay
- ✓ Available in several configurations to accommodate shop needs
- ✓ Gain more repair authorizations with clear, informative printouts

## STANDARD Barcode Reader



- ✓ Enter vehicle into system
- ✓ Recall OE specs

**NEW WITH 15.0**

**SmartSpec greatly reduces vehicle specification selections**

## Wheel alignment check features proven HawkEye Elite® technology

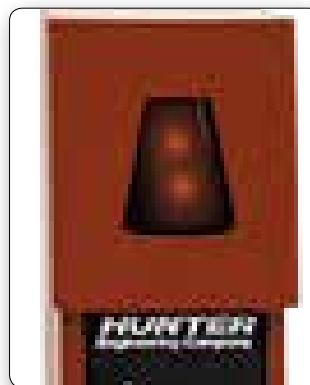
### PATENTED



**QuickGrip™ adaptors**

- ✓ Fast setups
- ✓ Adjusts easily to various wheel sizes
- ✓ No metal-to-metal contact
- ✓ No knob twisting
- ✓ Lightweight
- ✓ Durable
- ✓ Low-maintenance

### PATENTED



**HawkEye Elite® cameras**

- ✓ High-resolution cameras
- ✓ Dedicated camera for each wheel
- ✓ Pinpoint accuracy
- ✓ Compensate sensors and capture measurements with one forward roll

0:58  
SECONDS

*Choose from several configurations to best fit your shop*




*Drive-under configuration\**



*Cabinet mount, drive-in/back-out bay*

*Alignment results your customers will see...*



 **Wheel Alignment** **PASSED**

☒ Front Total Toe


☒ Front Camber

☒ Rear Total Toe

☒ Rear Camber

**No additional service needed**



 **Wheel Alignment** **FAILED**

☒ Front Total Toe

☒ Front Camber

☒ Rear Total Toe

☒ Rear Camber

☐ Recommend comprehensive alignment check for added tire life, fuel economy and safety.

• Front and rear total toe

• Front and rear camber

• General alignment condition



**Did you know?** Approximately 60% of vehicles are out of alignment and an average four-wheel alignment represents \$90 in revenue.

\*Shown with optional Monitor Kit (20-2899-1)

## **NEW** Quick Tread®

**0:06**  
SECONDS



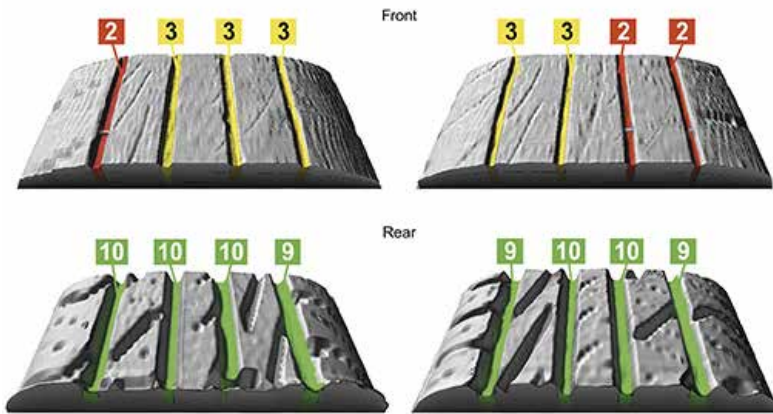
Quick Tread® — Hunter's drive over tread depth unit — automatically measures the tread depth of each tire without a time loss. The unit detects tread grooves and reports up to six measurements per tire. Tread depth results are sent to the console and graphically shown on the customer printout.

**PATENTED**



### *The benefits of Hunter's Quick Tread®...*

- ✓ Captures accurate tread data on all vehicle traffic
- ✓ No technician needed to determine tread depth
- ✓ Much faster than manual inspection
- ✓ Increases accuracy by eliminating guesswork
- ✓ Easy-to-understand printouts help sell tires
- ✓ Driven by award-winning WinAlign® software
- ✓ Measurements processed on-site in seconds
- ✓ No Internet connection required
- ✓ No recurring monthly charge
- ✓ Stores tread depth records to create customer history for use in your marketing efforts



## Quick Tread® Results

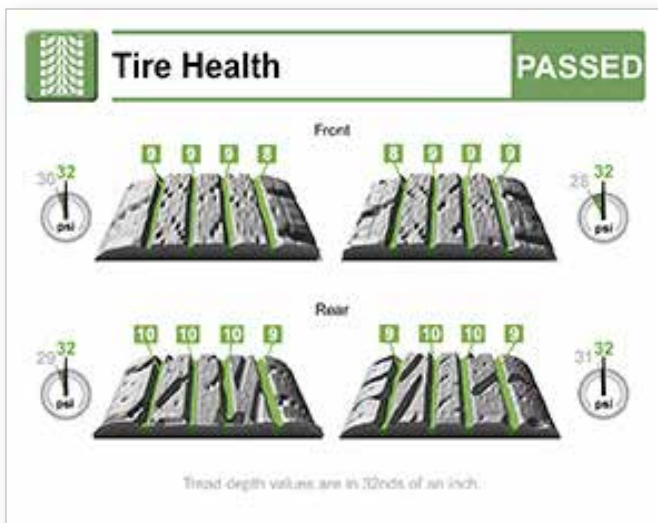
- ✓ Edge-to-edge measurement
- ✓ 280,00 data points across 2 inch segment of a tire
- ✓ Up to 6 tread readings per tire
- ✓ Displayed on screen
- ✓ Eliminates trips around the vehicle
- ✓ Eliminates human error and guesswork
- ✓ Accurately measures **wet, dirty tires**

### Developing Quality Technology

Featuring Sigmapvision's patented tire measurement technology, Hunter's drive over tread depth measurement system is the industry's fastest and most accurate. See Sigmapvision's U.S. Patent No. 8625105 to learn more.



## Tread depth results your customers will see...



- 3D image of customer's tread
- Tread depth measurements
- General condition of tires
- Easy-to-understand pass/fail results
- Tire pressure\*



**Did you know?** Measurements taken by various operators using a manual tread depth gauge can vary  $\pm 3/32$  or more.

\* with Inflation Station option

# Handheld Tread Depth

0:34  
SECONDS

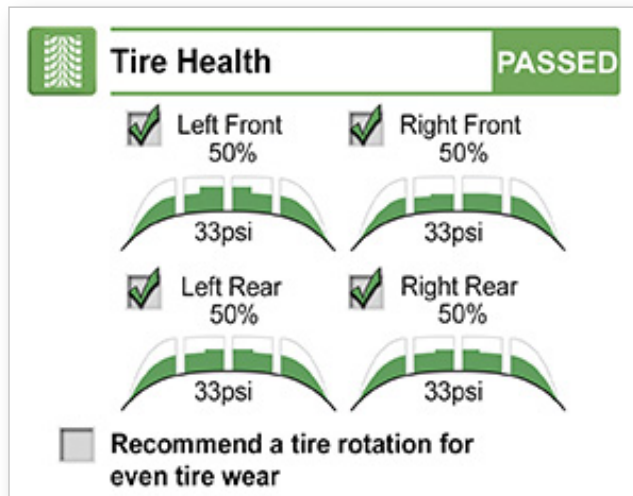


In about 30 seconds, Hunter's patented tread depth gauge provides a quick and easy assessment of tire conditions. Handheld tread depth can be used as an alternate to drive over tread depth when space or economy are constraints.

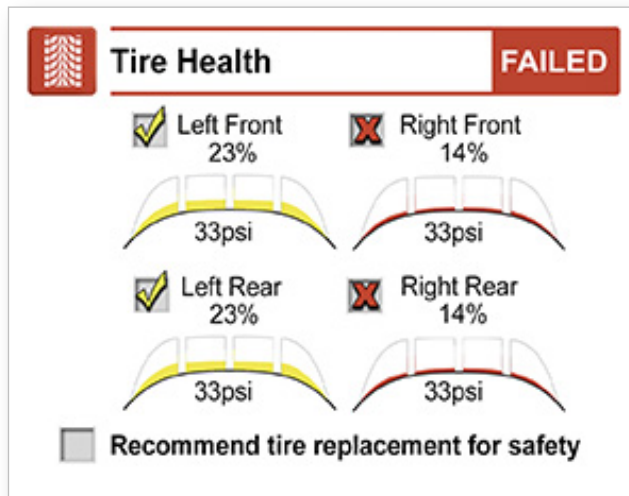


- ✓ Choose a 1- or 3-point reading per tire
- ✓ Wireless communication with console
- ✓ Measurements displayed on screen as collected
- ✓ Easy-to-understand printout displays need for replacement
- ✓ No need to manually interpret each reading
- ✓ No need to write down each reading
- ✓ Special condition alternate to drive over tread depth

## Tread depth results your customers will see...



- Percentage of tread depth remaining
- Tire pressure\*



- Graphic showing tread depth measured
- General condition of tires



**Did you know?** Over 20% of vehicles have one or more tires in need of replacement and an average tire replacement represents \$150 in revenue.

# NEW Quick ID™

0:02  
SECONDS



Quick ID™ accelerates the vehicle inspection process by automatically identifying the vehicle in motion. Instantly capture VIN, year, make, model, and license plate without manual key strokes or barcode scans.



*Drive the vehicle into  
your inspection lane*

## Accelerate your vehicle inspection process

- ✓ Automatically identify vehicle
- ✓ Perform inspections faster and easier
- ✓ Negate backup in the inspection lane

## Unmatched performance

- ✓ State-of-the-art camera
- ✓ Extensive license plate coverage
- ✓ Industry-leading license-to-VIN database
- ✓ Flexible camera mounting options



1

**Capture license  
plate image**

Automatically in motion

-MO-  
AC6Z8S

2

**Identify characters  
and locale**

Never assume home state

4T1BF1FK  
XEU367523

3

**Obtain  
VIN\***

No monthly subscription fees

Automatically determine vehicle  
year, make, model  
and alignment specifications

**HUNTER  
Engineering Company**

(Your logo)

Welcome to Hunter Engineering Co.  
11250 Hunter Drive  
Bridgeton, MO 63044  
Tel: (314) 731-3020

**Vehicle information  
automatically shown on printout**



November 1, 2016 | 8:43 AM  
**Lexus 2016 IS 350 F Sport**  
Last in Date: 07/10/16 11:54 AM



MO  
AC6Z8S  
18,351 M

## Flexible camera installation options

- ✓ Indoor or outdoor; ceiling- or wall-mounted; front or rear license plate position
- ✓ Quick Tread® or Quick Check® camera trigger



# Battery Health

0:20  
SECONDS

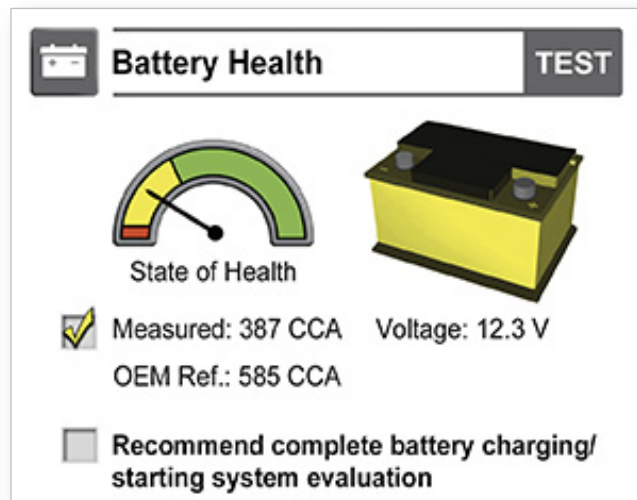
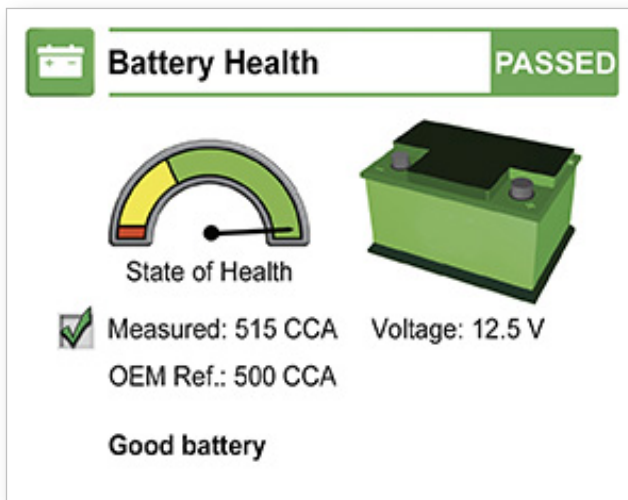


Hunter's battery health test measures a battery's ability to carry electric current in about 20 seconds! The battery test uses patented technology from Midtronics, the industry leader in battery management, to give a quick, accurate evaluation of battery performance.



- ✓ The benefits of Hunter's battery health test...
- ✓ Simple operation — just clip to the battery
- ✓ Results automatically sent to the console wirelessly
- ✓ Battery evaluation based on comparison to OEM spec database
- ✓ Connects under the hood even on vehicles with batteries in remote locations
- ✓ Low-current test signal to prevent possible damage to sensitive electronic components
- ✓ Printout alerts customer of potential battery failure

## Battery test your customers will see...



- Measured cold-cranking amps (CCA)
- OEM cold-cranking amps
- Voltage
- General battery performance



**Did you know?** Over 10% of vehicles have a battery-related issue and an average battery replacement represents \$110 in revenue.

# Diagnostic Check

0:10  
SECONDS





Hunter's CodeLink® for Quick Check® connects directly to a vehicle OBD-II port to retrieve important information concerning emission control components and vehicle identification number (VIN) in approximately 10 seconds.





- ✓ Automatically retrieves VIN
- ✓ Detects check engine light status
- ✓ Retrieves diagnostic trouble codes
- ✓ Checks emission monitor status
- ✓ Allows for entry of mileage and tire pressure specs into the system
- ✓ Wireless communication with console
- ✓ Compatible with all OBD-II vehicles (1996 or newer)


## Diagnostic results your customers will see...

 **Diagnostic Check** **PASSED**


 Check Engine Light - OFF





 0 Trouble Codes are present





**No additional service needed**

 **Diagnostic Check** **FAILED**

 Check Engine Light - ON



 1 Trouble Code is present



☐ **Recommend advanced diagnostic for detailed proposal**

- Check engine light status
- Legislative trouble codes present
- General diagnostic system review



**Did you know?** Approximately 8% of vehicles have one or more check engine lights on and an average emission system repair represents \$150 in revenue

# Stopping Check

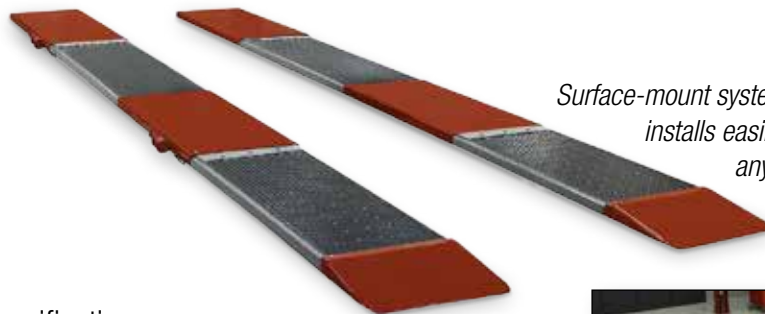
0:20  
SECONDS



Hunter's brake performance tester provides a real-life evaluation of a vehicle's stopping capability in seconds! The brake tester measures the timing, force and balance of the brake system and presents results on an easy-to-understand printout.

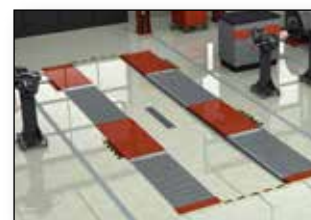
## The benefits of Hunter's brake performance test...

- ✓ Much faster than visual inspection
- ✓ No need to lift the vehicle or remove wheels
- ✓ Measure vehicles using your state's standards or your own customized specifications
- ✓ Accurately measures vehicle as it performs on the road
- ✓ Includes integrated tire inflation system




Surface-mount system  
installs easily on virtually  
any flat surface\*

Flush-mount installation  
is also available\*\*



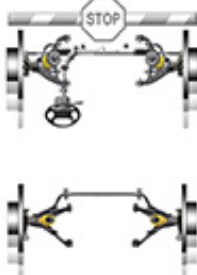
## Brake test results your customers will see...

 **Stopping Check** **PASSED**


☒ Front-to-Rear Brake Balance

☒ Front Axle Left-to-Right

☒ Rear Axle Left-to-Right



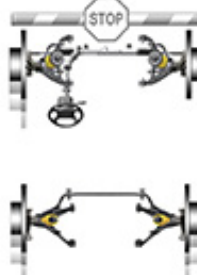
☐ Recommend a brake inspection for thickness verification

 **Stopping Check** **FAILED**

☒ Front-to-Rear Brake Balance

☒ Front Axle Left-to-Right

☒ Rear Axle Left-to-Right



☐ Recommend a brake inspection for thickness verification

- Front-to-rear brake balance
- Side-to-side brake balance on front and rear axles
- Overall brake system performance



**Did you know?** Approximately 12% of vehicles tested will show braking failure at one or more wheels and an average four-wheel brake service represents \$250 in revenue.

\*Brake performance tester requires a Quick Check® console and a minimum of 25 feet of bay space. A minimum of 27 feet of bay space is required if used with Quick Tread.® \*\*Flush-mount not compatible with Quick Tread.®

# Tire Inflation

0:10  
SECONDS



Hunter's Inflation Station comes integrated with the brake testing plates or as a stand alone unit.



PATENTED



## Integrated Inflation Station

- ✓ Automatically inflate all four tires simultaneously
- ✓ Save time by eliminating repeated manual checks
- ✓ Integrated inflation hoses located at each wheel position
- ✓ Tire pressures recorded on printout
- ✓ Meets CA BAR standard for tire pressure measurement

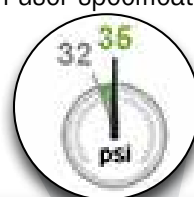
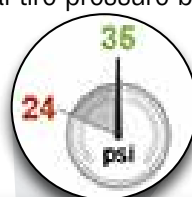
## Stand Alone Inflation Station



Shown fully-loaded with alignment targets, CodeLink® device, and battery tester.

## Tire pressure test results your customers will see...

- Beginning tire pressure
- Final tire pressure based on user specifications



# Customize Your Printouts

Build a printout layout that is unique to your business and uses all of the available space on the printout.

- ✓ Include your shop's logo, an advertising message, coupon, or any other services
- ✓ Provide customers up to two printouts — displaying simple and/or technical information — or keep one for your own records
- ✓ Select the format that has the highest impact with your customer



## Choose the best printout for your business

Unique Header	
1	2
3	4
5	6

**Up to 6 customizable modules per page**

Unique Header	
1	2
3	4
5	

**Customize to fit your shop's unique needs**

Unique Header	
1	2
3	

**Highlight the features that will sell your services best**

**HUNTER** Welcome to Hunter Engineering Co. Mon-Fri: 8:15 am - 5:00 pm  
11250 Hunter Drive Sat: Closed  
Bridgeton, MO 63044 Sun: Closed  
Tel: (314) 731-3020 Alex Nicholas, Service Manager

**Complimentary Vehicle Inspection** 07/25/16 2:55 PM

**Wheel Alignment** **FAILED**

Front Total Toe  
Front Corner  
Rear Total Toe  
Rear Corner

Recommend comprehensive alignment check for added life, fuel economy and safety.

**Stopping Check** **PASSED**

Front to Rear  
Brake Balance  
Front Left to Right  
Rear Left to Right

Check Engine Light - OFF  
5 Trouble Codes are present  
Onboard Diagnostic Test - NOT READY

Recommend a brake inspection for thickness verification.

**Tire Health** **FAILED**

**Battery Health** **TEST**

State of Health  
Measured: 367 CCA Voltage: 12.3 V  
OEM Ref.: 660 CCA

Recommend tire replacement for safety.  
Recommend complete battery charging/starting system evaluation.

**HUNTER** Welcome to Hunter Engineering Co. Mon-Fri: 8:15 am - 5:00 pm  
11250 Hunter Drive Sat: Closed  
Bridgeton, MO 63044 Sun: Closed  
Tel: (314) 731-3020 Alex Nicholas, Service Manager

**Complimentary Vehicle Inspection** 07/27/16 4:05 PM

**Wheel Alignment** **FAILED**

Front Total Toe  
Front Corner  
Rear Total Toe  
Rear Corner

Recommend comprehensive alignment check for added life, fuel economy and safety.

**Diagnostic Check** **PASSED**

Check Engine Light - OFF  
5 Trouble Codes are present

**Battery Health** **PASSED**

State of Health  
Measured: 100 CCA Voltage: 12.5 V  
OEM Ref.: 660 CCA

Good battery

**Tire Health** **PASSED**

Left Front  
Right Front  
Left Rear  
Right Rear

State of Health  
Measured: 367 CCA Voltage: 12.3 V  
OEM Ref.: 660 CCA

Recommend tire replacement for safety.  
Recommend complete battery charging/starting system evaluation.

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**Complimentary Vehicle Inspection** 07/27/16 4:05 PM

**Wheel Alignment** **FAILED**

Front Total Toe  
Front Corner  
Rear Total Toe  
Rear Corner

Recommend comprehensive alignment check for added life, fuel economy and safety.

**Diagnostic Check** **PASSED**

Check Engine Light - OFF  
5 Trouble Codes are present

**Battery Health** **PASSED**

State of Health  
Measured: 100 CCA Voltage: 12.5 V  
OEM Ref.: 660 CCA

Good battery

**Tire Health** **MARGINAL**

Left Front  
Right Front  
Left Rear  
Right Rear

State of Health  
Measured: 367 CCA Voltage: 12.3 V  
OEM Ref.: 660 CCA

Recommend tire replacement for safety.  
Recommend complete battery charging/starting system evaluation.

\*Requires webcam, sold separately.

# Selling and Management Reporting Tools



HunterNet® (HunterNetwork.com) provides front-shop personnel with quick, convenient access to a vast collection of vehicle-specific undercar information to help explain and sell service.

## HunterNet® tools for service writers

- ✓ Eliminate confusing technical conversations with easy-to-understand videos, animations and images
- ✓ Help your customers make informed decisions
- ✓ Drive repair authorizations to a new level
- ✓ Supplement other counter merchandising tools
- ✓ Make more informed pricing estimates
- ✓ Simplify training of service writers

## HunterNet® tools for shop managers

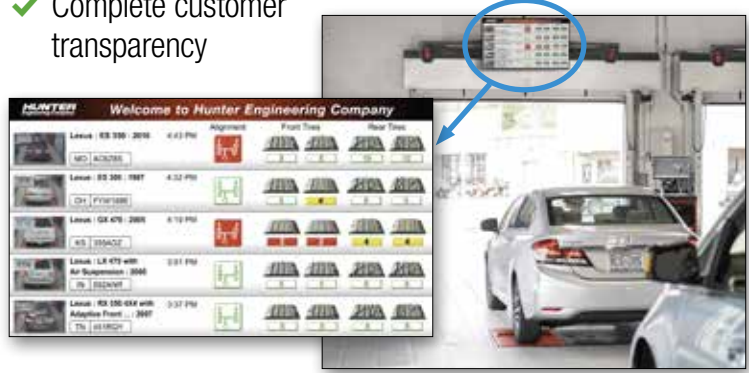
Using work management tools, shop managers can track Quick Check® statistics and generate reports.

- ✓ Breakdown "repair opportunities found" vs. "repair orders generated" by the week, month, year or lifetime
- ✓ Analyze Quick Check® results and failure rates for specific test types
- ✓ Remote access of data available with an Internet connection using HunterNet®



## **NEW!** Flightboard™

- ✓ Automatically display of alignment and Quick Tread® results
- ✓ Designed for Service Drive or Waiting Area display monitor
- ✓ Complete customer transparency



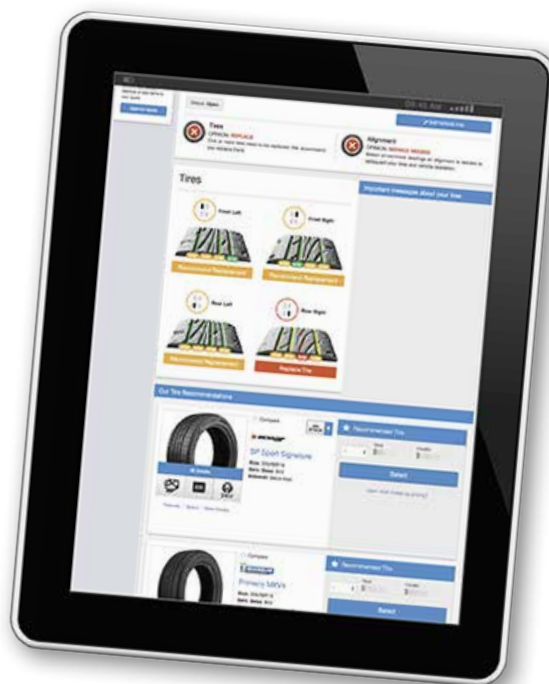
**See your service opportunities virtually anywhere, anytime.**

# **NEW** *Integration*

## **Overview**

- ✓ Capture every service opportunity with streamlined process
- ✓ Save time and energy by eliminating duplicate entries
- ✓ More satisfying experience for enthusiastic technicians
- ✓ Ensure profitable service recommendations are always presented to customer
- ✓ Choose your integration partner
- ✓ Maximize revenue
- ✓ Increase customer retention

*Dealer Tire sample tablet interface*



## **Customer Intake**

- ✓ Present digital inspection results
- ✓ Make tire replacement offer at the vehicle
- ✓ Add services to repair order

## **Electronic Multi-Point Inspection (EMPI)**

- ✓ Automate electronic multi-point inspection items
- ✓ Capture digital photos and videos
- ✓ Increase technician productivity

## **Digital Service Recommendations**

- ✓ Mobile delivery of inspection results via text or email
- ✓ Self-guided, informative service experience
- ✓ Interactive content with photos and videos
- ✓ Sell more services to off-site customers on-the-go

*AutoServe1 sample tablet interface*



*AutoPoint sample phone interface*

# NEW Diagnostic Health Report

Powered by:

**IDENTIFIX**  
FIND AND FIX FASTER.



Quick Check® now has the capability to retrieve potential repair information in the inspection lane to help your customers to make more informed decisions and your shop to sell more diagnostic services.



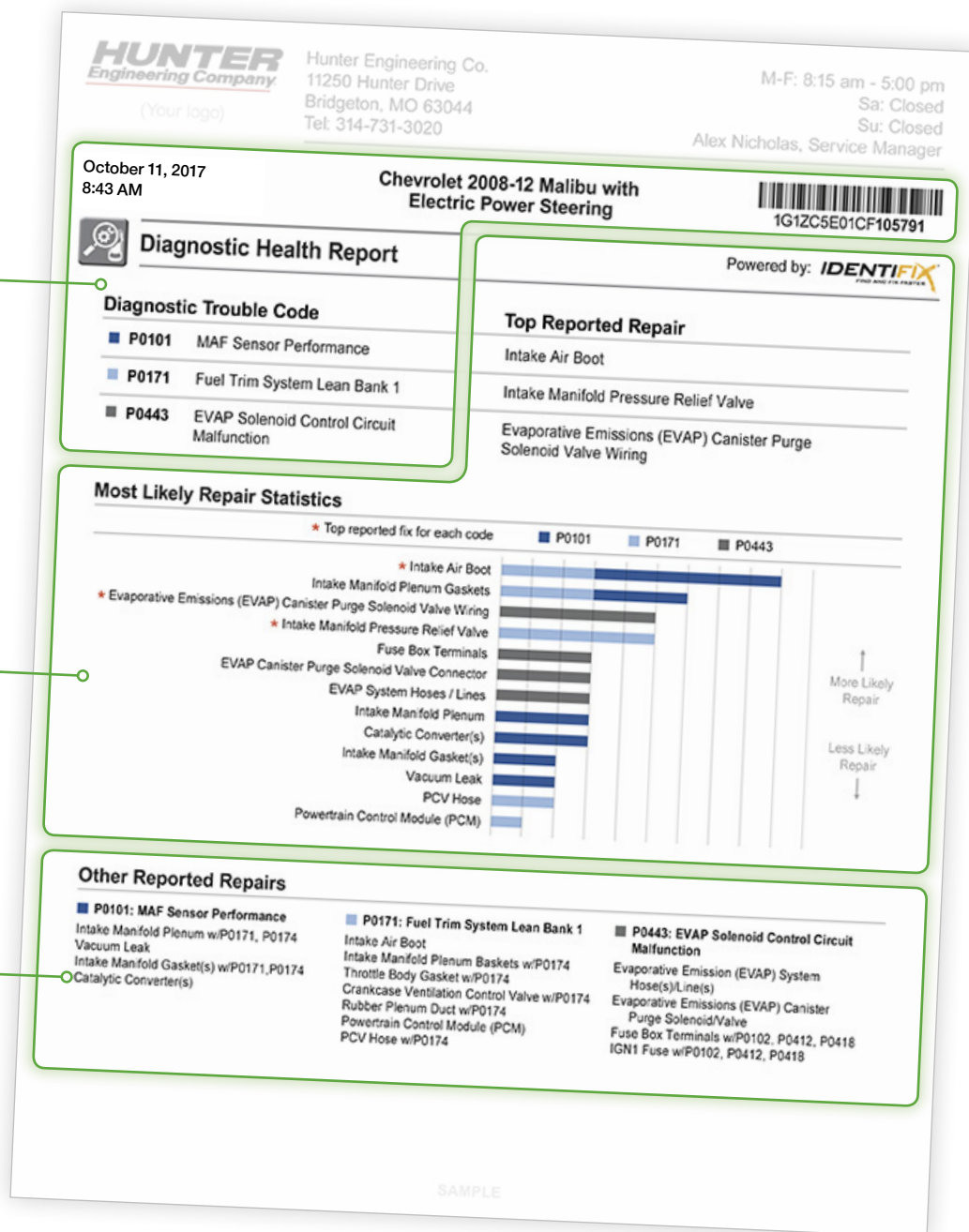
CodeLink® retrieves important **vehicle information and VIN** directly from the OBD-II.

Quick Check® turns Identifix® repair data into an easy-to-read graph that displays the **likelihood of relevant repairs.**



A detailed list of **other possible repairs** by trouble code is also included.

To learn more, visit  
[Identifix.com/partners/Hunter](http://Identifix.com/partners/Hunter)



VIN entry required.

Requires subscription to Code Assist  
from Identifix, separate from Direct Hit.

Requires WinAlign® 15.0 or newer

# Return on investment



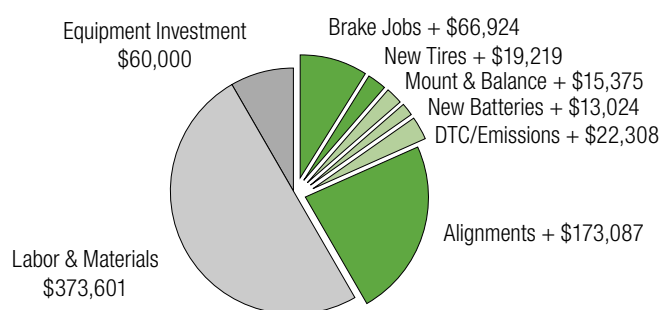
## Sample Payback Analysis

Vehicles per day = **50**

Days per week = **5.5**

	Current Daily Units		Shop Charge		Daily Revenue		Profit Rate <sup>1</sup>		Daily Profit	Est. Failure Rate <sup>2</sup>	Additional Daily Unit Opportunity	Actual Accepted Units
<b>Brake Jobs</b>	<b>2</b>	x	<b>\$250</b>	=	<b>\$500</b>	x	<b>52%</b>	=	<b>\$260</b>	<b>13%</b>	<b>+5</b>	<b>+2</b>
<b>New Tires</b>	<b>12</b>	x	<b>\$120</b>	=	<b>\$1,440</b>	x	<b>10%</b>	=	<b>\$144</b>	<b>13%</b>	<b>+14</b>	<b>+6</b>
<b>Mount &amp; Balance</b>	<b>12</b>	x	<b>\$15</b>	=	<b>\$180</b>	x	<b>64%</b>	=	<b>\$115</b>	<b>13%</b>	<b>+14</b>	<b>+6</b>
<b>New Batteries</b>	<b>2</b>	x	<b>\$115</b>	=	<b>\$230</b>	x	<b>33%</b>	=	<b>\$75</b>	<b>10%</b>	<b>+3</b>	<b>+1</b>
<b>DTC/Emissions</b>	<b>2</b>	x	<b>\$130</b>	=	<b>\$260</b>	x	<b>50%</b>	=	<b>\$130</b>	<b>10%</b>	<b>+3</b>	<b>+1</b>
<b>Wheel Alignments</b>	<b>5</b>	x	<b>\$89</b>	=	<b>\$445</b>	x	<b>68%</b>	=	<b>\$302</b>	<b>60%</b>	<b>+25</b>	<b>+10</b>
					<b>\$3,055</b>				<b>\$1,026</b>			
Equipment Investment	<b>\$60,000</b>								Your Customer's Acceptance Rate (avg) <b>40%</b>			

## First Year Additional Profit Summary



	Acceptance Rate at 40%	Additional Profit
<b>Brake Jobs</b>	<b>+515</b>	<b>+\$66,924</b>
<b>New Tires</b>	<b>+1,602</b>	<b>+\$19,219</b>
<b>Mount &amp; Balance</b>	<b>+1,602</b>	<b>+\$15,375</b>
<b>New Batteries</b>	<b>+343</b>	<b>+\$13,024</b>
<b>DTC/Emissions</b>	<b>+343</b>	<b>+\$22,308</b>
<b>Wheel Alignments</b>	<b>+2,860</b>	<b>+\$173,087</b>
<b>Total</b>		<b>\$309,938</b>
<b>1st year profit (Less Investment):</b>		<b>\$249,938</b>
<b>10 year profit:</b>		<b>\$3,039,382</b>

## Alternative Payback at Different Acceptance Rates

Acceptance Rate	30%	35%	40%	45%	50%
<b>Pay Back</b>	<b>3.1 months</b>	<b>2.7 months</b>	<b>2.3 months</b>	<b>2.1 months</b>	<b>1.9 months</b>
<b>1st Year Profit</b>	<b>\$172,453</b>	<b>\$211,195</b>	<b>\$249,938</b>	<b>\$288,680</b>	<b>\$327,422</b>
<b>10 Year Profit</b>	<b>\$2,264,536</b>	<b>\$2,651,959</b>	<b>\$3,039,382</b>	<b>\$3,039,382</b>	<b>\$3,814,227</b>

<sup>1</sup> Default profit rate based on Modern Tire Dealer automotive service survey, 2016.

<sup>2</sup> Default failure rates based on Hunter estimates.

# ***Benefits of adding a Quick Check® system...***



## **Increase Service Profitability**

- ✓ Quickly identify profitable service opportunities
- ✓ Generate professional customer report
- ✓ Recommend needed services to customers
- ✓ Secure more repair authorizations
- ✓ Generate more service revenue and profit

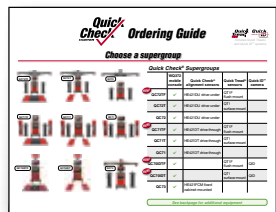
## **Increase Customer Retention**

- ✓ Ensure customer is driving a safe and reliable vehicle
- ✓ Correct and prevent issues before becoming a greater concern
- ✓ Deliver good news to customers for passed inspection items
- ✓ Win more tire replacement business, a key customer defection point
- ✓ Provide value added service for customer to always choose your shop

# Configurations for every shop



Please see your Hunter Sales Representative for details



Be sure to check out other Hunter literature for more quality products from Hunter Engineering.

1017SAP3M1.58

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Quick Check, Quick Tread, HunterNet, CodeLink, and WinAlign are registered trademarks of Hunter Engineering Company.



**HUNTER**  
Engineering Company  
[www.hunter.com](http://www.hunter.com)

Form 6566-T, 09/17  
Supersedes form 6566-T, 12/16