

PTEN

Professional Tool & Equipment News

The Independent Tool Authority

INSIDE: Must-have
NAPA tools for your shop!

▲ P100 Series
Swivel Ratchet

Exclusive: NAPA Tools
& Equipment Issue

▼ Industrial
Series
Compressor

100 Tooth Swivel Ratchet

Rated 10 out of 10, see why on **Page 17**

▼ Pro Power
Torque Dominator
1/2" Impact Wrench

Page 26

Page 20

Page 29

▲ 3.5 Ton Service Jack

PUSH YOUR PRODUCTIVITY TO A NEW LEVEL WITH COATS!

coats[®] vero[™] SERIES

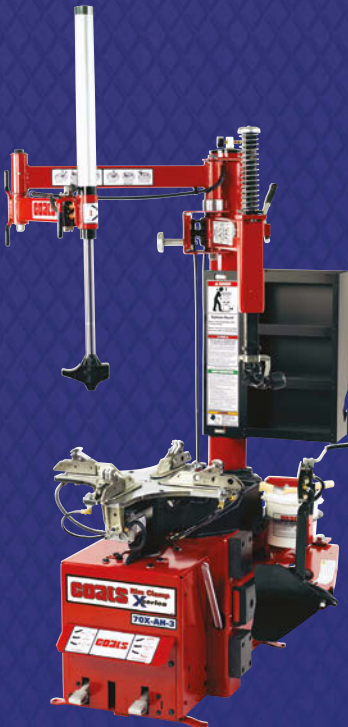
The new Coats[®] Vero Series[™] V200 eliminates the compromises that plague other balancing methods to deliver a performance balance, the first time, every time.

- **POWERED BY DIRECT DRIVE**
Accuracy begins at the drive system and ours is always calibrated to true zero.
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- **LASER GUIDED OPERATION[®]**
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ProBalance[™]
TECHNOLOGY



coats[®] Xseries

The Coats[®] 70X-3 is a proven performer with the widest out-of-the box external clamping range available: 6" - 24". It also features Coats exclusives like our famous Robo-Arm, a Manual Bead Depressor and Duckhead[®] Roller Combo, and a single point bead sealer for faster inflation!

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- **SINGLE POINT BEAD SEALER**
Provides a powerful concentrated blast to seal beads more quickly.
- **HYBRID DUCKHEAD MOUNT/DEMOUNT HEAD**
Leading edge is positioned to put less stress on bead during removal.



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NAPA 700-2571*	NAPA 700-6141	CRP 129 NAPA 700-6140	NAPA 700-2572*	NAPA 700-2904	NAPA 700-2573*



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 * indicates product coming soon



JULY

Table of Contents



Products

08 FEATURED NEW PRODUCTS

Check out new tools and equipment, available through NAPA, from Balkamp, Challenger Lifts, Robinair, Coats, Chicago Pneumatic, Firepower, Pramac, SAS Safety, Wilton, 3M and Chief Automotive Technologies.

14 DIAGNOSTIC TEST EQUIPMENT

Product details on scan tools and other diagnostic equipment from OTC, Bosch, Drew Technologies, Innova, Launch Tech and Noregon.

18 HAND TOOLS

Product information on tools from Carlyle and GearWrench.

21 POWER TOOLS & AIR TOOLS

Product details on cordless and pneumatic tools exclusively from NAPA Air Tools, Ingersoll Rand, DeWalt and Chicago Pneumatic.

24 CHARGING & STARTING

Product information on tools to assist with charging and starting vehicles, from companies like Midtronics, Solar and NAPA Battery Chargers.

26 SHOP EQUIPMENT

Featured product information from companies such as Port-A-Cool, Homak, Shop Vac, Mahle RTI and more.



30

08



20



29



34

Tool Reviews

17 HAND TOOLS REVIEW

Review details on using the NAPA Carlyle R12S100 Tooth 1/2" Drive Swivel Ratchet. Reviewer gives this ratchet top marks because of the ease of use, and minimal restrictions on range because of the 100-tooth design and swivel head.

20 POWER TOOLS & AIR TOOLS REVIEW

Product details and a tool review on the NAPA Torque Dominator 1/2" Impact Wrench. The reviewer advises this lightweight impact wrench provides power and access to tight spaces.

29 SHOP EQUIPMENT REVIEW

Information and equipment review of the NAPA 3-1/2 Ton Capacity Service Jack. This jack provides solid lifting of heavy loads with little to no frame twist, according to one reviewer.

Features

30 NAPA FUNNY CAR RACING

The Ron Capps' NAPA AUTO PARTS Dodge Charger R/T Funny Car team puts Carlyle Hand Tools to the test.

34 INTREPID FALLEN HEROES FUND

The NAPA "Get Back and Give Back" promotion supports Intrepid Fallen Heroes Fund.

On Our Cover



R12S100
NAPA Carlyle
1/2" swivel ratchet

NEED LIFTS? DON'T SETTLE FOR LESS.

FORWARD
LIFT

Engineered to perform...built to last.



I-10 2-Post Lift

10,000 lbs. Capacity

Service cars, trucks and vans

- 3-Stage front arms for greater reach
- Truck Adapters and adapter extensions included

Model shown: FWD 110N000MBL



I-12 2-Post Lift

12,000 lbs. Capacity

Service cars, trucks and vans

- Extended height standard
- Truck Adapters included

Model shown: FWD 112110000MBL



Mid-Rise Lift

6,000 lbs. Capacity

Perfect working height for tires, brakes and body repairs!

Model shown: FWD 6000MRLFBK
Available in black only



Motorcycle Lift

1,000 lbs. Capacity

Service motorcycles, ATVs, lawn mowers, golf carts, and more!

Model shown: FWD 1000MCLMFBK
Available in black only



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The World's Fastest Lift!

- 2X faster rise and descent of standard 2 post lifts
- DC power – needs only 110v to power lift



SPOA10

2-Post Asymmetric Lift

10,000 lbs. Capacity

Asymmetric design allows doors to open easily - perfect for cars and light trucks

**2X
FASTER**

- 3 stage front arms with screw-up adapters provide more reach

Model shown: SPOA10U5G5RD



SP012

2-Post Symmetric Lift

12,000 lbs. Capacity

Symmetrical Lift Design - wider drive-thru for trucks

- 3-Stage Arms
- Truck adapters included

**2X
FASTER**

Model shown: SP012U7T5RD



For more information about these products and to find a retailer near you, go to www.napaonline.com

WHEN YOU'RE
IN A TIGHT SPOT
YOU HAVE TO
**ADJUST
QUICKLY**



IRWIN VISE-GRIP GrooveLock Pliers: Simple Push of a Button Adjusts Jaws Two Times Faster*

IRWIN® VISE-GRIP® GrooveLock pliers get the job done fast. A simple touch of the press-n-slide button adjusts the jaw twice as fast as any other traditional groove joint pliers in the market. The multi-groove ratcheting system provides precise jaw positioning on any type of surface. Plus, anti-pinch, non-slip ProTouch™ Grips provide comfort, control and less hand fatigue. Now available in straight, smooth, and v-shaped jaws, GrooveLock pliers are backed by the IRWIN VISE-GRIP Lifetime Guarantee. When you need tools that help you do the job the way it was meant to be done, IRWIN delivers.

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*Compared to traditional groove joint pliers.
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C140078a

Welcome to the **NAPA Tools & Equipment** Special Issue

Welcome to the NAPA Tools and Equipment Special issue, brought to you by *PTEN* magazine! This special issue features details on company and product information brought to you exclusively from NAPA AUTO PARTS.

You may generally think of NAPA as a parts store, but in recent years, the company has expanded its tool and equipment offering to provide hundreds of professional products for the auto repair technician.

More than 85 years ago, the National Automotive Parts Association (NAPA) was created to meet America's growing need for an effective auto parts distribution system. Since then, NAPA has had one goal: give customers the parts and tools they need to get the job done right.

TOOL BEGINNINGS

Carlyle Fraser was one of NAPA's founders and served as its fifth company president. He remained a driving force through NAPA's growth for several decades and, in 1981, was inducted into the Automotive Hall of Fame in Dearborn, MI.

Carlyle Fraser's dedication to quality and product diversity has been a source of inspiration over the years. When the newest line of professional hand tools was crafted, there was no question regarding what name would best represent such a comprehensive arsenal of products.

With more than 2,100 items in 13 major categories, the Carlyle Professional Hand Tool program combines the quality, features and coverage that NAPA customers have come to expect.

Carlyle Professional Hand Tools introduces a new legacy in the tool market based on quality and performance in the tradition of its namesake.

SETTING HIGH EXPECTATIONS

The NAPA Tools & Equipment program provides a "one-stop shop" approach, something busy customers look for and appreciate.

Need More Info?
NAPAonline.com

For more information on any of the products in this issue, visit your local NAPA store. Find a store at NAPAonline.com or by calling (800) 538-6272.

In this special NAPA Tools & Equipment issue, readers have access to information on a broad range of products NAPA offers. You'll find products from brands such as OTC Diagnostics, Solar Charging & Starting, Port-A-Cool and Coats Wheel Service Equipment.

You'll find products in a number of categories, including Hand Tools, Diagnostics, Shop Equipment and more. We also feature additional product details, tool reviews and company information about the NAPA brand.

Looking for more? You can find thousands of products online at www.NAPAonline.com. **PTEN**

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3M™ Accuspray™ System
Spray Gun Model HG14

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Spraying Simplified

3M has turned the page on spraying...again! Introducing the HG14 - the next generation in 3M™ Accuspray™ System technology. The HG14 is designed for the application of coatings requiring the use of a 1.4mm atomizing head. This innovative HVLP system can provide exceptional results through excellent atomization, resulting in high transfer efficiency with low overspray. Designed to help improve productivity and minimize clean up time - all combined to help improve your bottom line.

Part No.	Description	Items/Billing Unit	Billing Units/Case
16577	3M™ Accuspray™ Spray Gun Model HG14	1	1
16612	3M™ Accuspray™ Atomizing Head Refill Kits 1.4mm (4 nozzles)	4	6
16571	3M™ Accuspray™ Fluid Needle	1	1
16572	3M™ Accuspray™ Test Air Cap	1	1
16573	3M™ Accuspray™ Air Flow Control Valve	1	1



Light it up with the Optik worklights

Powerful light source features rotating hook and magnet

The Optik 1.3 Watt Rechargeable Work Light (782-7108) is an extremely powerful light source in a compact design, according to the company. Featuring the latest in Chip On Board (C.O.B.) technology, this area light produces 120 lumens of light output while only consuming 1.3 watts of power.

Based on technician feedback, one user advised how much he liked the battery level indicator and magnet on the Optik Work Light. "I like the charge / battery checker on the front of the light, along with the magnet made into the charging base to hold it in place on any metal surface."

The technician said he used the product on a number of repairs. "I used the Optik 2 XIW Rechargeable Work Light to shed light while I replaced a few temp door actuators on some Ford trucks. I also slid it up inside an early 1980s G20 door to do a window motor replacement without removing the regulator assembly. It also spent a few hours stuck to an inner fender well of a (Pontiac) Sunfire while it got new rear brakes."

This Optik worklight includes a rotating hook and magnet to ease in positioning the light. The Li-ion battery provides two to three hours of run-time and will last for years. The UL-listed charger comes included.



L-shaped angled head

Carlyle Tools' 5-pc Pre-Set Torque Wrench Set (TWSPS5) is ideal for busy tire shops. The set features five color-coded models in 60 ft/lbs, 80 ft/lbs, 100 ft/lbs, 120 ft/lbs and 140 ft/lbs. The 105-degree L-shaped angled head provides the proper leverage angle during use. The torque measurement is +/- 4 percent in clockwise and +/- 6 percent counter clockwise. The set complies with ASME B107.14M-2004 and is conveniently packaged in a blow-molded case for transportation and storage.

No recalibration needed

The Coats Vero Series V200 Wheel Balancer is powered by Coats' Direct Drive system, which combines the motor and spindle into a single, pre-balanced assembly that stays accurate for years and never needs to be recalibrated to zero, according to the company. The V200 also offers Coats' ProBalance Technology, a balancing algorithm and unbalance correction methodology, which solves the problem of residual unbalance, a leading cause of comebacks.



Clamping force of 1 ton

The **Wilton All Terrain Vise** (10010) helps transform pickup trucks, utility trucks and SUVs into instant workstations. The Wilton All Terrain, or ATV, is a 33-lb combination vise and sleeve that slides into a standard 2" receiver, without interfering with the tailgate. The vise's 6"-wide jaws open to 5-3/4" with a 5" throat depth. The vise has a clamping force of 1 ton. The ATV also is equipped with two sets of jaws (straight and V-groove), which are replaceable. The pipe jaws hold material up to 3" in diameter. The ATV's overall dimensions are 19-1/4" length by 6" width by 7-1/4" height. Rated to 60,000 psi, the ATV can be used in construction, farm and ranch, automotive, marine or outdoor and off-road activities.



Two-hour runtime per charge

The **Optik 2-Pack Deluxe Flashlight Set** (770-7707) features two of the most popular style lights on the market. The 400 lumen rechargeable flashlight features a long-range 300m beam. This light is powered by a Li-ion battery and will provide a two-hour run-time per charge. Also included in the set is the Optik pocket flashlight. Its powerful 120 lumen output and compact size makes it perfect to carry in your pocket around the shop, according to the company. Both models feature the latest in Cree LED technology.

YouTube

CARLYLE

I'm Ron Capps, driver of the NAPA AUTO PARTS Carlyle Tools Funny Car.

The only thing I love more than winning is quality and durability. That's why I only trust Carlyle Tools.

Carlyle Tools are available exclusively at your local NAPA AUTO PARTS Store.

CARLYLE TOOLS.
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FOR TECHNICIANS.

Join the Carlyle Club today! carlyletools.com



TOOLS & EQUIPMENT



**Stubby,
ultra-compact impact**

Chicago Pneumatic offers the CP7732 Stubby 1/2" Impact Wrench, an ultra-compact and powerful impact wrench designed for difficult work in confined spaces. At only 4.4" long (112 mm), this tool is ideal for transmission, engine and brake work and features an exceptional power-to-weight/size ratio. Offering 450 ft/lbs of torque, and weighing only 2.9 lbs, the CP7732 allows techs the ability to quickly change tool orientation for either right- or left-handed use. This user-friendly feature complements the single-handed trigger with three power settings in both forward and reverse. The Jumbo Hammer impact mechanism offers both exceptional power and durability at 9,000 rpm. The steel and aluminum construction of the CP7732 provides ultimate tool durability.

New Products



100m long-range beam

The Optik High-Power Headlamp (770-7700) features the latest Cree LED technology. This compact headlamp has a 120-lumen output to illuminate the entire work surface. The long-range beam is effective up to 100m. To help reduce neck fatigue, the compact head design tilts 90 degrees and ratchets into the desired position. Powered by three AAA alkaline batteries (included) the Optik High Power Headlamp will provide a 3.5-hour run-time.

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- Mobile
- Adjustable Thermostat
- Fluid Control Timer



Full-power switch for flexibility

The Pramac S-Class Generators are a line of five generators, including the 2,800 watt, 4,500 watt, 6,000 watt, 7,200 watt and 14,000 watt models. All models in this line offer premium engines and alternators. The 2,800 watt is powered by a Subaru EX engine while the others are powered by Honda GX engines. All models are compliant for sale in 50 states. Other standard features include a full-power switch for flexibility of power output, idle control to help reduce noise while saving on fuel and larger fuel tanks for extra run-time. An optional wheel kit is available for separate purchase, but comes standard on the 14,000 watt model.



TOOLS & EQUIPMENT

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www.chemfree.com

ChemFree Corporation 8 Meca Way Norcross, GA 30093 U.S.A. 800-521-7182 (direct) 770-564-5580 sales@chemfree.com

Patented release mechanism

Carlyle Tools' Curved Jaw Easy Release

Locking Pliers (LPCJEZ10, shown here) are constructed with chrome vanadium steel and feature chrome molybdenum jaws for additional strength. The release mechanism is a patented design and is encased in a thermoplastic grip which prevents pinching, a common problem in open release lever designs. These locking pliers are covered by Carlyle's limited lifetime warranty and sold exclusively at your local NAPA AUTO PARTS Store.



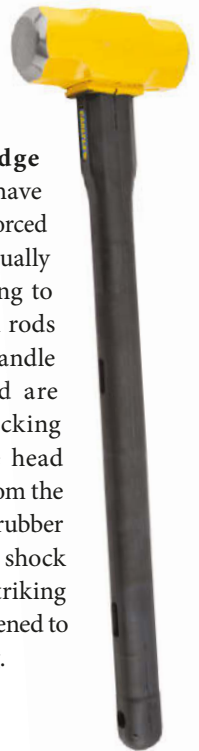
99.9 percent UV protection

The **SAS Safety Goggles** (5103) easily convert from glasses to goggles, with a simple push, pull and snap. Goggle strap and temple arms are included. Goggles are available in clear, yellow and gray lens colors, with 99.9 percent UV protection, anti-fog and scratch-resistant coatings. Versatile for work or sport, Goggles are designed with foam padding around lens for a snug fit. The Goggles meet ANSI standards Z87.1-2010+.



Induction-hardened striking ends

Carlyle Tools' **Sledge Hammers** (HSH624) have an innovative, steel-reinforced handle design that is virtually indestructible, according to the company. The steel rods run the length of the handle through the head and are secured with a steel-locking plate that ensures the head will never come loose from the handle. The ergonomic rubber handle absorbs impact shock and vibration and the striking ends are induction-hardened to eliminate mushrooming.



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Computerized collision repair measuring

The **Chief Automotive Technologies LaserLock Live Mapping System** (788374) is the next evolution in computerized collision repair measuring. It includes a laser scanner with out-of-level measuring capabilities; 45 targets with a wide range of attachments; a lockable, portable workstation equipped with dual flat screen monitors and color printer; and exclusive Chief software. LaserLock measures up to 45 individual points on a vehicle simultaneously in real-time, so collision repair technicians can monitor dimensional changes as they occur during pulling. As a result, there is no need to recalibrate after every pull and the risk of putting additional damage into a vehicle is reduced. LaserLock's out-of-level measuring capabilities make it a perfect choice for the estimating bay, where it can be used with a two-post lift to measure every vehicle, uncover hidden damage and write better estimates, resulting in improved cycle times.



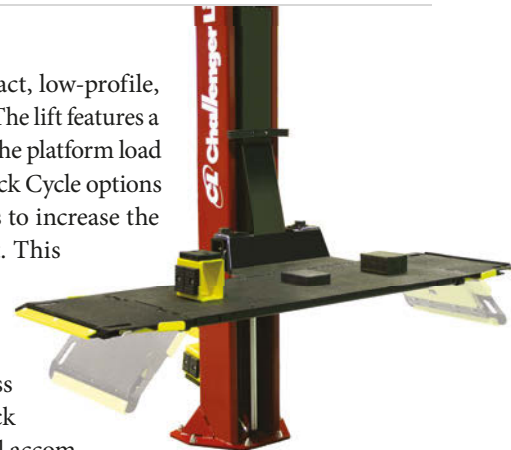
Solar-powered helmet

The **Firepower Premium Auto-Darkening Welding Helmet** (1441-0087) offers adjustable welding shade levels from nine to 13 and an optional grinding-process mode. This helmet has a separate sensitivity knob that controls darkening sensitivity, is solar-powered so users don't have to worry about changing batteries and comes with a two-year warranty. The Firepower Auto-Darkening Welding Helmet is available in four different styles, which include pinstripe, stars and stripes, skull and fire, and piston and plug.



Drive-on style, two-post lift

The **Challenger Lifts CL10-XP9** is a compact, low-profile, 9,000-lb capacity drive-on style, two-post lift. The lift features a drive-on pad with flip-up ramps that extend the platform load length mounted on their CL10 series lift. Quick Cycle options are available for express service applications to increase the rise and descent speed of the CL10-XP9 lift. This lift comes with a variety of features and benefits, including a low-profile pad design that allows for extra clearance for low-profile vehicles. The reinforced front and rear access ramps are designed to easily flip up and lock to extend the platform load length which will accommodate longer wheelbase vehicles.





Approved for use with R-1234yf refrigerant

The Robinair AC1234-6 RRR A/C Service Machine is designed to work with the new R-1234yf refrigerant, meeting all SAE requirements for R-1234yf. Robinair has created a fully automatic ACS machine with an integrated refrigerant identifier to sample the vehicle's A/C system prior to recovery, ensuring accurate and reliable service. With this machine, Robinair has partnered to develop OE essential equipment for GM and Chrysler for their dealer bases, servicing vehicles using the new, environmentally-friendly refrigerant. It can also service both standard and hybrid vehicle A/C systems. Standard features include automatic oil drain and air purge and internal tank refill, fully automatic operation and a system leak test.



High transfer efficiency with low overspray

The 3M Accuspray HG14 Spray Gun (16577) is designed for coating applications that require the use of a 1.4mm atomizing head. The HVLP system can provide high-transfer efficiency with low overspray results. This gun is designed to help improve productivity and minimize clean-up time, which help improve a shop's bottom line, according to the company. The Accuspray works with the 3M Paint Protection System (PPS).

QuickCycle

up in **27** sec.

down in **17** sec. regardless of vehicle weight

2X FASTER than standard models

CL10-XP9-QC
9,000 lb. capacity two post pad lift with Quick Cycle

See what Jay Weaver, of Chesrown Chevrolet in Delaware Ohio, thinks:

Quick Cycle technology and our inground pad lifts have proven to be very profitable. Quick Cycle saves us a lot of time per oil change - where we have more than doubled our volume. A minute here and a minute there doesn't sound like a big deal until you are doing well over 1,100 oil and filter changes with tire rotations. I would need 2 to 3 more lifts and personnel if it weren't for the ease of the pad lifts and the speed of Quick Cycle.

Diagnose and clear codes

The **CARScan + ABS/SRS Scan Tool** (700-2633) from **Innova** is for technicians who only need comprehensive coverage of newer vehicles (1996-current). It features a backlit LCD screen which displays more than 25 pieces of information all at once in an easy-to-view format; a vehicle health status LED, which instantly know if the vehicle will pass emissions testing; and SRS and ABS functionality for most 1996 and newer GM, Ford, Chrysler, Toyota and Honda vehicles. This tool can diagnose and clear "check engine" light codes on all 1996 and newer vehicles; all 10 OBD modes, including Mode 8 bi-directional EVAP; and display, graph, record and playback OBD II live data.



J2534 reflash capability

The **Bosch Mastertech VCI** (F00E901631) with ESI 2.0 software and Shop Foreman Pro provides in-depth coverage on vehicles. The Mastertech VCI incorporates a diagnostic server with J2534 reflash capability to read vehicle trouble codes and display data via a PC connection. Coverage via the OEM diagnostics software upgrade includes many 1996 and newer domestic, European and Asian vehicles. Additional features include a free one-year diagnostic software subscription, bi-directional controls for engine, body and chassis systems, quick module status checks of the vehicle network. This tool is OBD II compliant.



Integrated scan tool with Android platform

The **OTC Encore diagnostic scan tool** (700-6124) helps techs repair vehicles faster with its exclusive patent-applied for AutoDetect system. The system searches several on-tool and web databases, providing the most likely vehicle fix based on more than 30 million vehicle-specific and experience-based fixes. The benefits of AutoDetect, found only on the OTC Encore and Genisys Touch, include accessing the Identifix database and various technician networks, and automatically incorporating Google searches to help technicians find and make a vehicle fix quickly. Encore is the first integrated scan tool for the Android platform. The Encore reads a code, provides the most likely fix, and includes embedded training videos to guide a technician through several repairs.



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Powerful special test functions

The Launch Tech USA ScanPad071 (700-6141) is a drop-tested Android-based scan tool tablet featuring a 7.1" touchscreen display. It has the same software as previous Launch Pro-line scan tools including vast vehicle coverage, powerful special test functions, accurate and ultra-fast live data and graphing, adaptive resets and module coding capabilities. Full system diagnosis is through a Class-1 Bluetooth 2.1 connector for optimum wireless connectivity. The ScanPad071 also features CodeSearch, which displays known symptoms and fixes right on the tablet's browser.

The ScanPad071 is able to automatically identify all vehicle systems, modules and their data, and it includes a built-in customer management system and online user community link.

J2534 tool supports full VW/Audi OEM diagnostics

The Drew Technologies CarDAQ-M (396-1200) is a J2534 tool that supports full OEM diagnostics for VW/Audi vehicles using the ODIS dealership software. This expands on existing support for the following dealership diagnostics programs: IDS for Jaguar Land Rover, Techstream for Toyota, ISTA for BMW, VIDA for Volvo, Tech2WIN for GM, and GDS2 for GM. CarDAQ-M can also be used for flash programming with all-makes using J2534.



UV/smoke for multiple leak tests

The Bosch SMT 300 Smoke Tester (F00E900291) uses OEM-approved technology for EVAP leak testing, as well as testing of oil leaks, exhaust leaks, wind leaks, EGR leaks and more. The UltraTrace UV Smoke solution leaves a UV light-traceable mark. The tester features a graduated smoke-control valve and flow meter and can be used with shop air or inert gases.

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BK 700-2633

Display, Graph, Record, and Playback OBD2 Live Data

Diagnose & Clear Check Engine Light codes on all 1996 and newer vehicles

SRS & ABS functionality for the most popular 1996 and newer GM, Ford, Chrysler, Toyota, and Honda vehicles



BK 700-2634

All the features found in the BK 700-2633 plus:

OBD1 coverage for the most popular 1981-95 GM, Ford, Chrysler, Toyota and Honda vehicles

Expanded Live Data with Plug and Play Diagnostics





Heavy duty vehicle diagnostics

The Noregon JPRO Semi-Rugged Fleet Service Kit with Next Step (396-5039) offers JPRO Commercial Vehicle Diagnostics heavy duty software that displays 38,000 medium and heavy duty fault codes with OEM descriptions for Class 4-8 engines, transmissions, ABS, and body and chassis controllers. The Next Step Service information is a subscription-based add-on module that offers detailed repair and troubleshooting information for Class 4-8. Next Step requires Internet service. The kit includes JPRO heavy duty software, Noregon DLA+ adapter, Panasonic CF-53 Toughbook, 9-pin dual CAN cable, 6-pin cable, USB cable and carrying case.

Expanded live data

The CARScan + OBD I / ABS Scan Tool (700-2634) from Innova provides total coverage in one diagnostic tool. This tool features a backlit LCD screen which displays more than 25 pieces of information all at once in an easy-to-view format; a vehicle health status LED, which instantly knows if the vehicle will pass emissions testing; SRS and ABS functionality for most 1996 and newer GM, Ford, Chrysler, Toyota and Honda vehicles; OBD I coverage for most 1981 to 1995 GM, Ford, Chrysler, Toyota and Honda vehicles; and expanded live data with plug-and-play diagnostics. This tool reads and clears OBD II, OBD I and ABS and SRS codes; all 10 OBD modes, including Mode 8 bi-directional EVAP; and displays, graphs, records and plays back OBD II live data.



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NAPA Carlyle 100 Tooth 1/2" Swivel Ratchet

Reviewer gives this ratchet top marks due to the ease of use, and minimal restrictions on range of motion because of the 100-tooth design and swivel head.

Technician and co-owner of DeMary Trucks in Columbus, OH, Eric Moore tested out the NAPA Carlyle P100 Series R12S100 1/2" drive Swivel Ratchet.

"The NAPA Carlyle 100 tooth 1/2" drive Swivel Ratchet was a very excellent addition to the toolbox," says Moore. This ratchet saved Moore time when trying to access tight spaces. "Its 100 teeth, allowed for less room to operate, where normally it could have been a wrench off situation, constantly switching the open end of a wrench around to gain access."

In terms of usability, Moore felt the ratchet was extremely easy and simple to use. "(The) locking ball-type ratchet head means your socket won't come loose during the job." He also commented on the top features that made this tool stand apart: "The swivel feature and minimal swing needed because of the 100 teeth, really made this a nice tool to use."

In terms of features Moore appreciated, he says the tool provided easy access to restrictive areas of the vehicle. "The 100 teeth, paired with the swivel, made easy access for jobs that may have been more time-consuming with conventional designs of the same tool."

"I used the NAPA Carlyle 100-tooth 1/2" drive Swivel Ratchet for installing bell housing bolts on a 1966 (Ford) Mustang project, I also used it to change tires and wheels on a utility trailer,

turning over the engine on a 1995 Honda Accord for checking the base timing, and valve adjustment," says Moore.

"I found several more uses, and it is quickly becoming my go-to half-inch ratchet selection."

Moore offered no improvements on the tool. He found the product worked to his expectations. He did advise he would purchase a longer handled version, and would be quick to purchase other sizes (1/4" and 3/8"), if available with the 100-tooth spec.

Overall, Moore gave this tool top marks: 10 out of 10.

"The ease of use, minimal restrictions on range — due to the 100-tooth design and swivel head — definitely made a big impression on me. While it may not be all-encompassing, it has taken the place of my standard go-to 1/2" drive ratchet, and been placed at the front of the drawer for quick grabs." **PTEN**



PRODUCT DESCRIPTION:

The Carlyle P100 Series Swivel Ratchet is rated at more than 130 percent of ANSI standards. A 100-tooth count ratchet mechanism provides a 3.6-degree swing arc, which allows for use in tight spaces. The swivel head design allows for greater access than a conventional ratchet design, according to the company. The comfort grip handle reduces operator fatigue and allows the technician to apply maximum torque without discomfort. The P100 series offers ratchets available in 1/4", 3/8" and 1/2" drive sizes. All ratchets are exclusively available at your local NAPA AUTO PARTS Store.



Provide additional reach and leverage

Carlyle Tools' Long Panel Combination Wrenches (CWL1218) are constructed from chrome vanadium high alloy steel and are produced using a hot forging process with an extra emphasis on a special heat treatment to provide maximum strength and durability. The mirror polish chrome plating resists corrosion and provides an incredibly comfortable and secure grip to the user. The 18-pc set comes with a 12-point box end. Sizes available in the set range from 1/4" to 1-1/4" and 6mm to 32mm. These long panel wrenches provide additional reach and leverage on stubborn fasteners and feature an anti-slip designed open end. The set comes in a canvas roll-up.

Bits securely store into handle



The Carlyle 19-1 Ratcheting Screwdriver (RDBS19) offers 19 functions into one compact tool. Eight double-sided bits are constructed from S2 material for durability and strength. The bits include multiple Philips, slotted, star, hex and square bit sizes. The handle can also be utilized for 1/4", 5/16" and 7/16" nut drivers and the bits store securely into the handle. This screwdriver is backed by a limited lifetime warranty.

1/8" to 3/8" and 4mm to 10mm hex sizes

The Carlyle 42-pc Master Hex Bit Socket Set (BSH42) is manufac-

tured with S2 steel, which is the highest-caliber metal available in professional tools today, ensuring maximum durability. Precision design bit tips provide tight fastener connection, and the surface of the socket contains a mirror finish with nickel-chrome plating for a smooth and comfortable grip. Bits are also coated with zinc phosphate to provide extra protection from rust. The master set features stubby hex, hex and long hex sockets in 1/4" and 3/8" drive sizes. Hex sizes are 1/8" to 3/8" and 4mm to 10mm.



S2 steel for maximum durability

Products in the Carlyle 46 Piece Master Star Bit Socket Set (BSTIB46) are manufactured with S2 steel, which is the highest-caliber metal available in professional tools, ensuring maximum durability. The precision design bit tips provide tight fastener connection, and the surface of the socket contains a mirror finish with nickel-chrome plating for a smooth and comfortable grip. Bits are also coated with zinc phosphate to provide extra protection from rust. The master set features star, tamper-proof star, external star and star-plus sockets in 1/4", 3/8" and 1/2" drive sizes. The set is stored in a blow-molded case with a removable lid for convenient access to toolbox drawers.



Hex bolsters for added torque

The Carlyle 8-Piece Screwdriver Set (SDS8) is part of the NAPA line of screwdrivers designed to help cover the needs of professional technicians. The screwdriver shafts are constructed of silicone vanadium chrome magnesium (SVCM) metal, a unique blending of key alloys, which offers hardness for added strength plus an elastic feature that prevents the screwdriver blade from breaking when over-stressed. Each Carlyle screwdriver contains PP/TPR comfort grip handles, and certain models have hex bolsters on the shafts for added torque application along with vapor blasted magnetic tips for maximum convenience.

Comfort, non-slip grips

The Carlyle 3-pc Slip Joint Pliers Set (PSSJ3) offers a one-piece rivet head design to provide durability in twisting and turning applications. The pliers are made from chrome moly steel material for use on tough applications, and they have comfort, non-slip grips for added security when in use. The Carlyle pliers also offer handle configurations designed to apply maximum torque, and precise induction hardened rivets for ultra-smooth operation and long life.



Six-point ratcheting wrenches

The Carlyle Ratcheting Wrenches (RW612M) are designed to deliver maximum performance required by today's technicians, according to the company. The ratchet mechanism provides a four-degree swing arc with its 90-tooth count gearing. This provides the technician performance in confined spaces, while still providing strength due to the six-point ratcheting end design. Carlyle ratcheting wrenches also feature an anti-slip design which will grab fasteners that are rounded over 50 percent. Available in metric and SAE, the Carlyle ratcheting wrench set features standard, reversible and flex head models. All Carlyle ratcheting wrenches feature a limited lifetime warranty and are available exclusively at NAPA AUTO PARTS.

Ratchet in tighter spots

The GearWrench Gimbal Ratchet allows the ratchet head to rotate on two planes, providing easier access for the end user. The 72-tooth ratcheting mechanism provides a five-degree swing arc and allows technicians to spin fasteners on and off in hard-to-reach areas where it's difficult to use a standard ratchet. It comes in 1/4" and 3/8" drive sizes. The anodized aluminum finish offers protection and makes the ratchet easy to clean.



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NAPA 1/2" drive air impact wrench

Lightweight impact wrench boasts power and access to tight spaces.

Maverick Mejia, a technician at Car Clinic, an auto repair facility in Mahopac, NY, gets a lot of the "dog work" while the lead technician does all of the highly technical work. What does that mean? A lot of tires, brakes, oil changes and the like. Needless to say, he uses a 1/2" impact wrench all day.

When handed a 1/2" impact to call his own, he was happy that he did not have to borrow the shop's or his co-worker's. Mejia was very impressed by how powerful the tool is, while also being comfortable to use.

"It's more convenient because it's smaller than lot of the impact wrenches out there," he observed. "It is not a heavy tool, and it really removes lug nuts very quickly."

Being smaller than other tools, Mejia speculated about its long-term reliability. "I haven't dropped it really hard yet, but it feels like a solid tool," he said. "It does have a two-year warranty, so I think that they wouldn't give that out if this tool couldn't be both light yet reliable."

Mejia's favorite thing about the tool? It's brute strength. "It's pretty strong, I'm not going to lie."

A reason why Mejia comments on the sheer strength of the tool is that when adjusted to its top setting, it appears to really exhibit the 1,200 ft/lbs of breakaway torque that is advertised. "You can adjust the torque on it between one, two and three, but for my use I keep it on three," he said.

Mejia also noticed that the tool is "not that loud, almost silent."

He had one design improvement in mind. "I'm left-handed, so the forward and reverse switch gets in the way for me," Mejia said. "It should be in the back. That would make it easier to use."

"I'd rate this tool 8 out of 10. It works exactly as advertised, which is really cool," said Mejia.

Why not a 10 out of 10? "There are left-handed mechanics like me living in a right-handed world. Even though this tool is designed to work for both, it would definitely work even nicer if you're right-handed." **PTEN**

Editor's note: The company advises the air tool does allow the forward and reverse switch to be changed for left-handed technicians.



PRODUCT DESCRIPTION:

NAPA's 1/2" Drive Air Impact Wrench (6-1123) includes a twin hammer clutch mechanism and reverse bias motor design to maximize torque at a minimum weight.

According to NAPA, the 6-1123 is the most powerful and lightest 1/2" drive air impact tool available today. This tool features 1,200 ft/lbs of breakaway torque to remove the most stubborn fasteners. The composite housing is lightweight to reduce operator fatigue. The nose of the tool is narrowed to facilitate access in confined spaces.

This tool features a variable speed trigger for easy speed control, a bottom handle exhaust that directs air away from the user, a one-hand forward/reverse lever, a narrow nose cone design for access to tight spaces, an anti-vibration grip to reduce user fatigue and an optional, extended anvil.

Designed primarily for the removal and installation of wheel fasteners with tire shops in mind, the Torque Dominator from NAPA provides best-in-class torque, the primary requirement of an air tool. At the same time it's compact and light weight at only 4 lbs, to reduce operator fatigue.

Other features include: up to 700 ft/lbs working torque; maximum applied torque.800 ft/lbs; overall length 8-3/4"; free speed 7,500 rpm; average air consumption 4.9 cfm; sound level 97.3 dBA.

To watch a video demonstration of this product, visit: VehicleServicePros.com/11527865

Anti-vibration grip

The NAPA Pro Power 1" Impact Wrench (6-1138)

has a twin-hammer mechanism that delivers 2,000 ft/lbs of breakaway torque and 2,000 ft/lbs of maximum applied torque while maintaining a smooth, balanced performance. The heavy duty, lightweight, composite / magnesium housing delivers strength and balance. A comfortable anti-vibration grip reduces user fatigue and variable speed trigger provides precise speed control. The impact wrench features an 8" extended anvil and the handle exhaust directs air away from work and operator.



Ideal for transmission, engine and interior work

The Chicago Pneumatic CP7731 3/8" Stubby Impact Wrench is a

compact 4.4" impact wrench that can easily remove or tighten fasteners in difficult-to-reach applications such as transmission, engine and interior work. The CP7731 offers 415 ft/lbs of torque and weighs only 2.9 lbs. The CP7731 can change tool orientation for either right- or left-handed use. This user-friendly feature complements the single-handed trigger which offers three power settings in both forward and reverse. The Jumbo Hammer impact mechanism provides power and durability at 9,000 rpm. The CP7731 is constructed of steel and aluminum.



Remove the toughest nuts and bolts

The Chicago Pneumatic CP7782 1" Impact Wrench

works on high torque truck and heavy duty applications. This tool comes as a regular 1" impact (No. CP7782), a 6" extended impact (No. CP7782-6) and a 6" extended impact with spline anvils (No. CP7782-SP6). All three impact wrenches feature the highest reverse impact torque of any wrench in its class, at 2,140 ft/lbs (2900 Nm), according to the manufacturer. Features include a full teasing trigger for smooth operation, a pinless reinforced rocking dog clutch to ensure long tool life and an integrated shock absorbing bumper to protect both the application and the tool.



Access narrow spaces faster and easier

The **Ingersoll Rand IQ V12 Series of cordless tools** enable technicians to access narrow spaces faster and easier. The IQ V12 Series includes three Impacttools, two ratchets, a drill/driver, a screwdriver and an LED task light.

Measuring just 5.9" from tip to tail, IQ V12 Series Impacttools are available in 1/4" and 3/8" square and 1/4" hex quick-change

models, and deliver 100 ft/lbs of reverse torque to tackle hard-to-remove fasteners in hard-to-reach places.

The R1100 Series ratchets are available in 3/8" and 1/4" drives. Both ratchets deliver up to 30 ft/lbs of torque and have durable heads to handle additional manual ratcheting, when the application demands it. R1100 Series ratchets have a patent-pending slim-line battery design and paddle-style trigger that allows for easy operation in a variety of grip positions and angles.

The D1130 3/8" drill/driver and the D1410 screwdriver both provide two speeds and a 15-position clutch. The D1130 has 1,600 rpm and 205 in/lbs of torque for faster drilling, and weighs only 2.43 lbs to help minimize user fatigue. The D1410 is designed to support assembly and disassembly applications, and features a magnetic, pin-detent bit holder for fast, one-handed bit changes. The D1410 has a variable-speed switch with an electronic brake to provide maximum control of the tool.

The L1110 LED task light features ultra-bright white LED light, a 20,000-hour life and delivers up to 180 lumens of light for up to 6.5 hours on a single charge.



Composite motor housing reduces fatigue

The NAPA Pro Power 1/2" Challenger Air Drill (6-1136) is a heavy duty drill that offers power and performance for tough drilling jobs. This drill features rugged double-full cage gearing for super torque and power. The motor design is virtually impossible to stall with its 500 rpm motor design, according to the company. The composite motor housing reduces weight and operator fatigue. The exhaust is located in the rear handle and channels air away from the work surface. The Challenger allows for one-hand reversing of drilling direction and has a side handle for added support. The Challenger includes an Industrial Jacobs keyed chuck.



Powerful impact wrenches

The Chicago Pneumatic CP7748 family of 1/2" impact wrenches offer 922 ft/lbs of maximum real torque in reverse and extremely fast run-off. The CP7748 offers 1,200 ft/lbs of breakaway torque, while the balance, contoured handle and lightweight composite housing make it easy to operate. The CP7748-2 is the ideal tool for the tire industry. With a durable, twin hammer clutch and high performance motor, these impact wrenches offer less operator fatigue because of lightweight, composite housing. The Thermal Plastic Rubber (TPR) handle provides additional operator comfort. These tools are ideal for use with passenger vehicle tire changing, general mechanical and vehicle maintenance, and light industrial maintenance.



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Composite-design rear handle

The NAPA Pro Power Air Ratchet (NPT 6-1127) is designed for tough, high-power ratchet jobs. This 3/8" drive ratchet produces 110 ft/lbs of torque. Its convenient rotating center handle, exhausts air away from the work and the user, the variable speed throttle provides complete speed control and the rear handle is a composite design with finger grooves for control and comfort. The Intimidator Air Ratchet is part of the Pro Power series available exclusively at your local NAPA AUTO PARTS Store.



Precise control of grease flow

The Dewalt 20V MAX Lithium Ion Grease Gun (DCGG571M1) can be used on up to 16 cartridges per charge with a single battery. The motor delivers 10,000 max psi to help unclog grease fittings. The grease gun's high-volume pump can be used on high-flow applications up to 5 oz per minute and the variable-speed trigger offers precise control of the grease flow. The DCGG571M1 has a 42" extra-long and flexible hose designed for reaching hard-to-access grease fittings, an LED to help locate fittings in low-light situations and a pump filter screen, which prevents dirt and contamination from clogging the pump mechanism. This grease gun comes with a warranty package that includes a three-year limited warranty, a one-year free service contract and a 90-day money back guarantee. The DCGG571M1 includes the 20V Max XR Premium Li-Ion Battery (4.0 Ah), a fast charger, shoulder strap and kit box.

Chicago Pneumatic



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CP7732 1/2"
450 ft-lbs.



CP7731 3/8"
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Start and maintain batteries in any situation

Microprocessor-controlled unit for faster, smarter and safer use.

The NAPA 6V/12V Fully Automatic Battery Charger/Starter (85-2450) is a 6V/12V fully automatic battery charger to charge and maintain batteries. The charger/starter is microprocessor-controlled for added precision, safety and battery life. This battery charger is designed to start vehicles in emergency situations and keep batteries maintained and charged. By using this charger on a regular basis it will extend the life of vehicle batteries.

Features and benefits

- Microprocessor controlled for faster, smarter and safer use.
- Multi-stage charging for added precision, safety and battery life.
- Digital LED indicator and easy-to-use touchpad to select rate of charge, boost and engine start.
- Safe for standard and AGM batteries.
- Three times faster charging than other traditional battery chargers.

- Polarity detection helps avoid damage to batteries and sensitive electronics caused by a reverse connection.
- Timer-controlled or continuous operation.
- Reverse hook-up detection.
- Rugged professional-quality handle.
- Heavy duty power cord is grounded, oil-resistant and built to last.
- Professional automatic reset overload and short circuit protection.
- Comes with a two-year limited warranty.

Specs

This product is made in Mexico. The charger is constructed with a heavy duty steel case, including a transformer, diodes, control board and switches. The charger weighs 33 lbs.



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Make a preventive maintenance routine, including battery and electrical system testing, part of your service solution.

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- ✓ Compact hand-held size
- ✓ Easy-to-use menus
- ✓ Includes lead stud adapters, 10-ft cable and soft case

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Integrated cable management

The Clore Automotive Pro-Logix 6/12 V battery charger (PL2520) from SOLAR comes with a 20/10/2/100A amp rating. This battery charger has an enhanced maintenance mode, which is a charger/maintainer for longer-term storage charging, such as collision repair charging environments. This charger also has specific charge settings for flooded, AGM and gel cell batteries to ensure a proper charge, no matter which lead acid battery type a technician will encounter. The PL2520 offers integrated cable management, which makes storage easy and efficient, according to the company.



Automatic recharging with LED status system

The Clore Automotive JNC660 Jump-N-Carry offers automatic recharging, provides 1,700 peak amps and 425 cranking amps of starting power. With this charging system, users can keep the unit continuously connected to the recharging power source when not in use to ensure the unit is ready for its next service task, without damage to the unit or worry of overcharging. An LED status system alerts users to the unit's status: amber light shows the the unit is currently charging and a green light shows the unit has reached full charge.



Multiple vehicle applications

The Midtronics Battery Conductance & Electrical System Analyzer (MDX-650P) features an integrated printer and provides quick, safe and easy to use battery testing capabilities with in-vehicle capabilities to analyze starting and charging systems. This system works on 6V and 12V batteries, and tests 12V and 24V charging systems. A quick starter analysis without disabling the ignition and an integrated printer. The MDX-650P package includes the MDX-600 Series Analyzer with integrated printer, MDX-650 software (installed), manual, lead stud adapter set, 10' cable set and carrying bag.

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PL3750

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Meets the air demands of any shop

Unit features heavy duty cast iron pump, low rpm and disc valves

The NAPA Air Compressors 7.5HP Fully Featured Air Compressors (82-378VATFF) is a fully packaged air compressor that is designed with the demands of the automotive and body shop in mind. With a slow turning (600 rpm) all-cast iron, four-cylinder pump, noise levels are lower and the compressor doesn't work as hard to produce 24 CFM at the max pressure of 175 psi. This air compressor comes standard with a magnetic starter, low oil level switch, automatic tank drain and belt guard aftercooler. As with all NAPA Air Compressors, this unit ships with oil and is ready to operate as soon as it is installed. Assembled in Rock Hill, SC, the 82-378VATFF comes with the a two-year warranty that covers the entire machine.

Features and Benefits

- 208V-230V single-phase Baldor motor, for a wider voltage range.
- Magnetic starter, with adjustable overload, allowing motor protection even with lower voltage.
- Low oil level switch helps prevent restart if the compressor is low on oil.
- The automatic tank drain opens with every cycle.
- Belt guard aftercooler cools the air before entering the tank, which removes much of the moisture.
- Disc valves provide a reliable design for efficient compression.
- ASME tank and safety valves help protect against pressure vessel failure.

Specs

- 24 CFM @ 175 psi.
- 175 psi maximum pressure.
- 80-gal vertical tank.
- 41" L x 24" W x 73" H.
- Weighs 720 lbs.



Digital A/C refrigerant handling system

The MAHLE RTI ArcticPro RHS980

(4608031700) is a complete digital A/C refrigerant handling system. The unit can be used on R134a vehicles, is compliant with the SAE J2788 standard and features fully automatic operation. The unit offers superior system performance, quicker service times and less wasted refrigerant. The result is increased customer satisfaction, maximum uptime, less maintenance and faster service support, according to the company.



Operate lift from any column

Each column in the Rotary Lift Mach series mobile column lift (MCH413U1A00) is equipped with identical patent-pending controls, so the user can operate the entire lift from the column that is most convenient. The easy-to-understand control panel features an intuitive graphic layout of the column setup. Mobile columns can be purchased in sets of two, four, six and eight, with either 13,000-lb or 18,000-lb of capacity per column. With a 12,000-lb capacity truck frame adapter kit, two 13,000-lb capacity columns can be used to service popular Class 2 and 3 pickups, while six 18,000-lb capacity columns will lift nearly anything on the road.



DRO computer monitors lathe use

The Pro-Cut Warthog lathe is engineered for commercial duty use. It can be used on many sizes of vehicles and withstands rigorous use, while being fast and simple to use, according to the company. All Warthogs come standard with the fixed-post trolley, speed-lock cutting head and DRO computer that monitors lathe use, efficiency and ROI. The Warthog comes with a two-year parts and labor warranty.



Save and repair TPMS valve stems

The Ken-Tool reCore TPMS Sensor Saver System (29980) addresses the issue of valve stem failure, caused by galvanic corrosion on TPMS sensors. The kit includes 12 TPMS reCore sensor savers and the installation tools techs need to repair corroded TPMS valves. Replacement can be done quickly by working directly on the damaged valves, removing the corroded stem, tapping new threads and torquing in the replacement stem. This makes it unnecessary to remove the tires from the vehicle, no need to rebalance the tires, and no need to reset or relearn the TPMS sensor.



Parts and brake washer in one

The ChemFree SmartWasher (SW-23) is non-hazardous, non-flammable and non-toxic, and the safe alternative to hazardous solvents. A parts washer and brake washer in one product, this unit features a dolly with a footstep, a wide sink with angled brush and flexible nozzle and an adjustable timer with a choice of 10-minute cycle, 30-minute cycle or continuous flow. The SmartWasher's microbes, located in the OzzyMat, "eat" the grease and oil washed off dirty parts, creating a harmless by-product of carbon dioxide and water leaving the OzzyJuice clean for the next use.

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- Equipped with superior quality KÜÜL® evaporative cooling technology

Effective cooling
for garages, repair
bays, and more!



Durable, convenient work surface

The **Homak 60" Stainless Steel Top Rolling Cabinet** (NA04060064) features four 6" by 2" heavy duty roller-bearing casters, six drawers equipped with full-length, contoured aluminum pulls, smooth action 450mm ball-bearing slide and two, side-door compartments with pull-out drawers and height-adjustable shelves. The cabinet is finished in 3.2 mil epoxy-polyester satin, black powdercoat paint finish. The stainless steel-wrapped top provides a durable, convenient work surface so users can perform jobs on-the-go. Each cabinet is protected by HMC's high-security, tubular-locking system and the eight-year limited warranty.



Two-stage motor shop-vac

The **Shop-Vac 16 Gallon Professional Wet/Dry Vacuum** (9621610) offers a 36' power cord and weighs 42 lbs. It comes with a brush insert, squeegee insert, two metal wands, an ultra-web cartridge filter, filter retainer, 14" metal nozzle and high-efficiency collection filter bag. Accessories include a crush-resistant 1-1/2" by 12' lock-on hose, 1-1/2" claw nozzle, 1-1/2" crevice tool and 1-1/2" adapter. The two-stage motor provides greater performance, quieter operation and longer life, according to the company.

Part of the X-Series tire changer line

The **Coats line of X-Series tire changers** are an upgraded version of the Coats Rim Clamp tire changer that come standard with an external clamping range of 6" to 24". The **70X-3** offers features including a single-point bead blast that provides a powerful, concentrated blast to seat beads faster and easier; a hybrid duckhead mount/demount head with a floating tail that conforms to the rim to mirror its radius and places tire in optimal position for installation; and a manual bead depressor and duckhead roller combo with a design that ensures the bead stays in the drop center and the tire bead does not roll back over the duckhead mount/demount head.



Cool a room

The **Port-A-Cool Hurricane portable evaporative cooling unit** (PACHR3600) utilizes high-efficiency cooling pads and water to naturally cool up to 3,500 sq. ft. and can lower the temperature as much as 30 degrees F. The unit's design provides 67-gal water capacity and 14,500 CFM, the largest airflow delivery of any 36" evaporative cooler offered. It requires only 11.4 amps for pump and motor operation. Additional features include a digital control panel with easy touch buttons for operation and status displays.



Cloneable TPMS sensor

The **NAPA Echlin TPMS Relearn and Scan Tool Kit** (92-1531) offers a complete TPMS line featuring direct-fit cloneable TPMS sensors, mounting hardware, service kits, shop tools and cloneable multi-coverage sensors. NAPA Echlin offers an OE-matching TPMS sensor with advanced technology built in to make it ID cloneable. The NAPA Echlin cloneable TPMS sensor can be factory relearned, works with all major TPMS service tools and is ready-to-install right out of the box.

NAPA 3-1/2 Ton Capacity Service Jack

This jack provides solid lifting of heavy load with little to no frame twist, according to one reviewer

Lou Fort, lead technician at K.A.R.S. Inc. in Huntingburg, IN, tested out the NAPA 3-1/2 ton capacity service jack in his shop. "Some may not consider a floor jack as being a time-saver," says Fort. "Well, I am here to tell you that having a good quality floor jack at your disposal will save a considerable amount of time."

Fort advises setup for the jack was quick and easy. "The jack handle comes detached, in two pieces. All I had to do was slide the jack-handle end into the jack, tighten the thumb screw to hold it in place, then bolt the upper section of the handle to the lower (section) with the two bolts supplied."

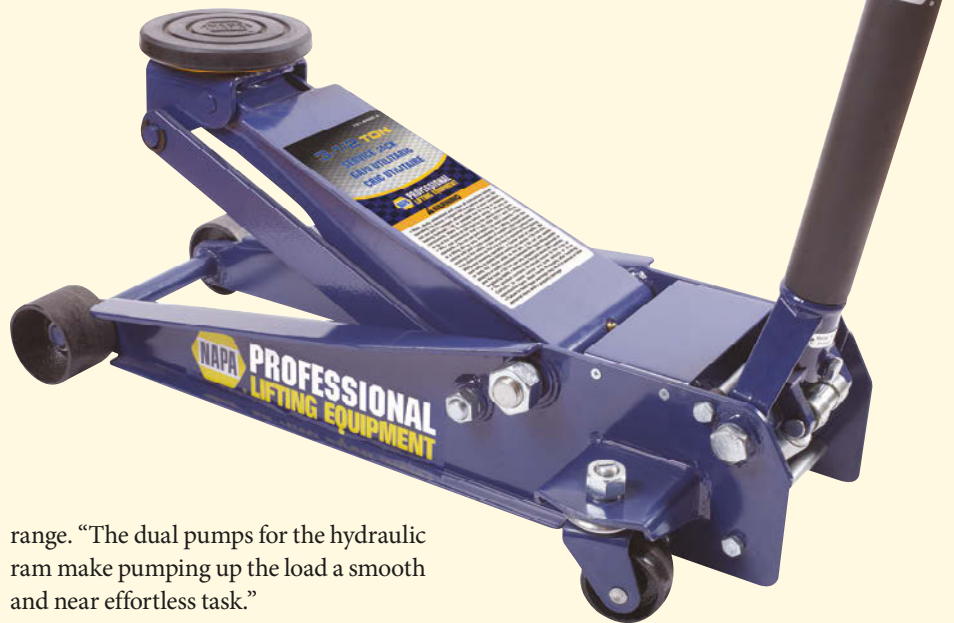
Fort advises he read the included manual that came with the jack.

"The manual contains recommended maintenance for the jack to help ensure it's longevity," says Fort. "The manual also has a complete parts breakdown with part numbers for ordering replacement components should the need ever arise."

"What I like most about this service jack is it's heavy duty construction along with readily available service parts."

Fort appreciated the wide footprint of the jack, advising that it "allows for solid lifting of heavy loads with little to no frame twist, unlike so many other jacks I have used."

Fort also liked other features, including the dual pumps and the jack handle



range. "The dual pumps for the hydraulic ram make pumping up the load a smooth and near effortless task."

"I also like that the jack's handle will not go past 90 degrees," says Fort. "This helps keep the jack handle away from body panels when in use."

He did offer one suggestion for improvement on the jack handle. "I would consider making the two-piece handle a quick-release design, or at least ship the units with some Loctite (or other adhesive) pre-applied to the bolts used to hold it together."

Fort also commented on the adequate sizing of the removable saddle, or lifting plate. "Having a removable plate allows those creative ones out there to make up adapters for use in specialized lifting needs," says Fort. "A few examples may include lifting clutch or axle assemblies."

Fort said he used the floor jack for a number of repairs in the shop.

"I used this service jack to raise up F450s in need of transmission repair, brake service and the like," says Fort. "It has also been

used to aid in the removal of rather large fuel tanks, support of engine's during timing belt / water pump service and the like."

Fort mentioned K.A.R.S. Inc. has a number of NAPA-brand service jacks in the shop. "They all have been in use for more than 10 years and are still in use today." He says that this floor jack compares well with "good, heavy construction and quality-looking parts."

Overall, Fort awarded the NAPA Professional Lifting Equipment 3-1/2 Ton Capacity Service Jack (791-6420) a 10 out of 10.

"From its heavy duty construction to its repair-ability and good looks, this jack is marked as a professional service jack that one should expect years of use at a very modest investment." **PTEN**

PRODUCT DESCRIPTION:

The NAPA Professional Lifting Equipment's 3.5 Ton Service Jack (791-6420) features a two-year, no-hassle replacement warranty and has a nationwide service center network for a long life of service. Weighing in at just under 100 lbs, it features a beefy flanged side-plate design to resist twist force that can occur when lifting loads on uneven surfaces. The sealed twin-piston pump, coupled with its padded, 50" handle, controls loads to a maximum lifting height of 20.5" and rests at a 4" low height. This jack features a removable saddle and saddle pad for use with transmission adapter (791-7130) and is ASME PALD 2009 safety-compliant.



Ron Capps making a burnout

NAPA Funny Car puts **CARLYLE** **HAND TOOLS** **TO THE TEST**

Carlyle combines quality, features and coverage professional technicians expect.

Nobody puts hand tools to the test like an NHRA pit crew, which is why the Ron Capps' NAPA AUTO PARTS Dodge Charger R/T Funny Car team has relied on Carlyle Hand Tools since the launch of the Carlyle Hand Tool line. Pit crews are pressed to disassemble and reassemble engines quickly and professionally many times during the course of a race. The crew will have about an hour to prepare a car for the next race, and there can be as many as eight consecutive runs during a race event, including qualifying. Hence, the crew needs the best quality tools available.

Carlyle Hand Tools' association with racing began from the tool line's very inception. Carlyle Hand Tools takes its name from Carlyle Fraser, one of NAPA's founding fathers. As a driving force behind the organization's growth, Fraser knew the key to success was to give customers the parts and tools they need to get the job done right.

Carlyle Hand Tools was created according to that philosophy. The line was designed by professional technicians for professional technicians. With more than 2,100 items in 13 major categories, the Carlyle program combines the quality, features and coverage professional technicians expect.

The lineup includes ratchets, sockets, pliers, screwdrivers, combination wrenches, torque wrenches, bit sockets, specialty wrenches, adjustable wrenches, hex keys and hammers. Specialized heat-treating and corrosion-resistant finishing ensure ultra-long life and exceptional durability.

SCHUMACHER SEIZES OPPORTUNITY

Don Schumacher, president of Don Schumacher Racing (DSR) and chairman of Schumacher Electric Corp., recognized



“I don’t hear any complaints out of them; I’ve never had any problems,” noted Rahn Tobler, crew chief for the NAPA Funny Car. Each crew member has his own set of Carlyle Hand Tools specific to his job, as well as access to a central toolbox, Tobler said.

“They (Carlyle Hand Tools) definitely exceeded our expectations,” said crew member Mark Stewart. “We’re very hard on tools. We’ll prove to a company how good their tool really is.”

Stewart gives Carlyle Hand Tools high marks for being proactive in developing new tools based on the pit crew’s input. “They were very great to work with,” he said. He noted that it is not unusual for pit crews to build their own tools at times. He said Carlyle Hand Tools took it upon themselves to develop new tools to address the crew’s needs.

(Continued Page 32)

several years ago that NHRA fans are an important audience for professional automotive products. NAPA AUTO PARTS recognized this as well and became one of DSR’s primary sponsors.

When NAPA introduced Carlyle Hand Tools, its first professional tool line, Schumacher saw an opportunity

for an associate sponsorship. “We got involved early on,” Schumacher said. “It’s been a great marriage. It really was a natural fit.” Team sponsorship not only results in increased brand awareness for the Carlyle Hand Tool line; it helps build relationships and goodwill with customers and race fans alike.



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▲ The NAPA Know How crew prepares for the next round.

According to Dustin Heim, NAPA Know How NHRA Funny Car team member, “Carlyle Hand Tools are second to none.”

NAPA AUTO PARTS COMES FORWARD

NAPA AUTO PARTS has also benefited from the Carlyle Hand Tools sponsorship. “It (the sponsorship) allows us to deliver the tools and put them into the work cycle of the guys that use them,” noted Roy East, national sales manager for NAPA Balkamp tools and equipment. Since the sponsorship began two years ago, East said improvements have been made as a result of the communication between Carlyle Hand Tools and the NAPA Funny Car pit crew. “They (the crew) don’t have to worry about the tools breaking down on them,” East said.

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The Professional's choice for over 50 years, offering industrial forced air heaters, radiant heaters & industrial fans.

“Ever since Carlyle became a sponsor and the team changed over to Carlyle Hand Tools, we’ve been getting great feedback,” said Chris Casey, category manager for Carlyle Hand Tools. “It’s a great benefit to have hands-on testing from professionals at this level. A pit crew is extremely hard on tools, but the Carlyle line is meeting the challenge.”

“Everyone at Don Schumacher Racing treats us like we’re a part of the team,” Casey added. “As for Ron Capps, I don’t think there’s anyone better. The customers love him. He always makes sure every autograph is signed and pictures are taken.”

“We continue to be pleased with our sponsorship of Don Schumacher Racing and Ron Capps, driver of the NAPA Funny Car in the ever growing NHRA Mello Yello Drag Racing Series,” says Mike Rearden, NAPA director of events and sponsorships.

“Motorsports is a key component of our marketing strategy and the NHRA provides us a unique platform to get in front of its many loyal fans.”

“Don Schumacher Racing and Ron Capps are true professionals and great ambassadors for the NAPA brand both on and off the track.”

CARLYLE CLUB OFFERS SPECIAL PRICING

“There are many ways to build a new brand and one of the ways we have chosen is motorsports and in particular NHRA. With the fans ability to get up close to the race teams as cars are being prepared we felt would showcase Carlyle’s professional quality,” says NAPA’s Rearden. “The Ron Capps team are big fans of the Carlyle brand and provide us great feedback from their experiences at the track and in the shop. The events have resulted in spikes in

the registration to our Carlyle Club which provides our members sneak peeks at new products and ongoing discount programs for their Carlyle Hand Tools purchases.”

The Carlyle Club provides members with exclusive offers on Carlyle Tools, special pricing for members only, “sneak peeks” on new items, contests, giveaways, and everyone receives a “Welcome Gift” when joining the Carlyle Club. Carlyle Club memberships are also available for the Automotive Technician Student. Customers can join the Carlyle Club at www.carlyletools.com.

Carlyle Hand Tools is continuously expanding its offering and has launched 123 new SKUs so far this year with more to come in the second half of 2014. The company is always striving to bring the technician the latest in innovation with the highest quality standards in mind. **PTEN**

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All photos submitted by Judy Davis/HDPhoto

NAPA promotion supports **INTREPID** **FALLEN HEROES FUND**

▲ A ribbon cutting at the dedication ceremony for Intrepid Spirit at Fort Belvoir, VA.

Get ready to "Get Back and Give Back"

For the third year in a row, NAPA and the Electrical Sales Group is honoring the brave men and women of the United States armed forces this July by offering powerful savings to consumers while partnering with the Intrepid Fallen Heroes Fund (IFHF) through the "Get Back and Give Back" promotion.

It's as simple as this: NAPA pledges to "give back" \$1 to the Fund for every consumer rebate redeemed for NAPA batteries, alternators and starters; and \$2 for qualifying installations at NAPA AutoCare Centers and preferred installers. Consumers can also participate by donating up to their entire rebate amount to the Intrepid Fallen Heroes Fund (IFHF).

NAPA employees, stores, suppliers and customers helped raise \$350,000 for the IFHF in 2012 and \$1 million in 2013, making NAPA AUTO PARTS one of the single largest donors to the fund.

JULY BEGINS WITH "STARTS AND STRIPES WEEK"

To kick off the NAPA "Get Back and Give Back" event, all NAPA store and AutoCare Center employees are encouraged to wear the new limited edition red, white and blue Starts and Stripes T-shirts with the popular "NAPA We Believe in Heroes" logo June 28 through July 6.

The NAPA support bracelets imprinted with "NAPA We Believe in Heroes" and "Intrepid Fallen Heroes Fund" are back by popular demand.

These bracelets make the perfect in-store or shop handouts, giveaways for preferred customers or they can be used for your own marketing efforts. You can even sell them and contribute the proceeds to IFHF.

New for 2014 is the NAPA and Intrepid Fallen Heroes lapel pin. The T-shirts, bracelets and lapel pins are a natural way to announce the promotion to customers and honor our soldiers while raising money for the IFHF.

The T-shirts and bracelets will also be available for consumers to purchase online at www.NAPAonline.com at a cost of \$15, with all proceeds going to the IFHF. The promotion will be featured on Facebook and Twitter. In addition, those websites will feature a link to a donation page.

IFHF Quick Facts

- Established in 2000, the IFHF has provided almost \$150 million in support for families of military personnel lost in service, and for those severely wounded in performance of their duty in Afghanistan and/or Iraq.
- In 2007, opened a world-class physical rehabilitation center at Brooke Army Medical Center in San Antonio, TX.
- In 2010, opened the \$60 million National Intrepid Center of Excellence (NICoE) on the Navy campus in Bethesda, MD, for the research, diagnosis and treatment of Traumatic Brain Injuries (TBI), post-traumatic stress (PTS) and related injuries sustained by military personnel.
- In 2013, opened two NICoE Satellite Centers (Ft. Belvoir, VA and Camp Lejeune, NC) at an approximate cost of \$11 million each. These sites will enable military personnel to receive state-of-the-art treatment for TBI and PTS in connection with the main NICoE center located in Maryland.
- Construction started on two more "Intrepid Spirit" Centers at Ft. Campbell, KY, and Fort Bragg, NC.
- Current efforts focused on the design and construction of five additional NICoE Satellite Centers.

THE IFHF MISSION

IFHF is dedicated to serving United States military personnel wounded or injured in service to our nation, and their families. Supporting these heroes helps repay the debt all Americans owe them for the sacrifices they have made. They are, in the words of IFHF's founder, the late Zachary Fisher, "our nation's greatest national resource," and

they deserve all the help that our nation can provide. The Intrepid Fallen Heroes Fund is a leader in meeting this important national mission.

The IFHF is funded entirely by donations from the public. This means 100 percent of every dollar donated goes to construction costs of new facilities, state-of-the-art equipment, treatment, research and more. **PTEN**



▲ The official groundbreaking for Intrepid Spirit at Fort Campbell, KY.

CARLYLE by NAPA

I'm Robby Woods, driver of the #99 Carlyle Tools General Tire Chevrolet.

I partnered with Carlyle Tools, because no one is stronger, more reliable and more durable than Carlyle. Carlyle Tools, tool truck quality, affordably priced and available exclusively at your local NAPA AUTO PARTS Store.

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CARLYLE CLUB



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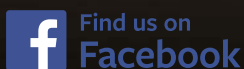


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