

Tools & Shop Equipment

Supplement brought to you by

FLEET
Maintenance

**SPECIAL MANAGER
& TECHNICIAN
SUPPLEMENT**

Purchasing considerations for tools and shop equipment

Having the proper tools and equipment keeps technicians and operations productive.

jaltest

DIAGNOSTICS & TELEMATICS

**ELEVATE YOUR SHOP'S GAME.
UPGRADE YOUR BUSINESS.**



cojali
USA

www.jaltest.com
800-975-1865
info@cojaliusa.com



#1 IN ALL - MAKES DIAGNOSTICS

VehicleServicePros.com/10942695

The Original Wireless Portable Lift System



**EXPERIENCE THE
GRAY DIFFERENCE**



U.S. Patents 6,634,461 • 7,014,012 • 7,219,770 • 9,334,145 • 9,352,944
• RE41554 • 9,593,000 • 9,656,843 • 9,679,421 • 8,282,075
Canadian Patent 2,406,340

***Improve productivity
and flexibility:***

Wireless feature enables technicians to:

- Get set-up **FASTER...**
- Get the vehicle up **FASTER...**
- Get the job done **FASTER...**



800.821.7320 / www.grayusa.com

VehicleServicePros.com/10094277



Purchasing considerations for tools and shop equipment

Having the proper tools and equipment keeps technicians and operations productive.

By Erica Schueller, Editor-in-chief

The top consideration when purchasing tools and equipment should be return on investment, because that covers all aspects of the tool purchase. Upfront cost, additional investments - it's all about ROI.

As someone who oversees the maintenance operations of the shop, large equipment buys and higher price tag tools likely involve a fair amount of research before signing off on the purchase.

In addition, it's important to gather feedback from technicians, shop managers, service managers

and other employees in the shop who will be using the products. The evaluation will involve comparison shopping to review all of the options available in that particular tool category. Not to mention, testimonials and user feedback can go a long way in making a sound decision.

When making these decisions, how do buyers build a case for purchasing a particular tool or piece of equipment? While cost is a considerable factor, making that buying decision goes much deeper than "How many times do I need to use this tool to get my investment back?"

Along with cost comes the evaluation of the quality of the tool or

equipment and how quickly that cost will repay itself with saved time, or the ability to complete an otherwise impossible job or repair.

Quality considerations

Purchasing quality tools and equipment is a long-term investment in a shop's future. Will this equipment last five years? 10 years, or longer? Is it upgradeable or updatable? Does it have capabilities to retrofit particular accessories for adjustments in the future? (Think tire changers, RRR machines, scan tools, etc.)

Quality products can make a technician's job safer and easier, the completion of a job more efficient and help extend the life of the tools and equipment.

Proper organization and maintenance

Tool purchases run the gamut, from maintenance facilities providing the bulk of tools for technicians, offering a stipend for tools or requiring technicians to purchase and fill their own toolboxes. Depending on the operation, shops may have uniform, modular storage or allow technicians to purchase their own tool storage setups.

Regardless of who purchases the tools and equipment, it is important to keep products organized and in good working condition.

This means regularly inspecting and cleaning tools, and replacing or upgrading products when necessary.

Proper organization and regular maintenance aids in increased shop and technician productivity because technicians will not need to go searching for products, and

can be confident that the tools and equipment will be in working order when they need them.

The tool for the right application

Consider for what work or repairs the tools and shop equipment will be used, and ensure those products are used for the proper applications.

This may mean purchasing the proper lifting equipment for the types of vehicles most often seen in the shop, considering pneumatic versus cordless power tools or justifying the purchase of a specialty tool intended for a specific application.

Training

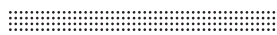
Along with the proper application, it is important to ensure technicians know how to use the tools. As vehicles continue to become more complex, so do some of the tools and equipment used to maintain and repair them. Specifically, the learning curve for using diagnostic tools and shop equipment can be complicated and/or time-consuming. Be sure to utilize resources provided by tool and equipment manufacturers to take full advantage of training opportunities.

Along with understanding a tool's complexity, having proper training ensures the correct use of tools and/or equipment. This aids in shop safety and productivity by helping to avoid unnecessary injuries.

Conclusion

Return on investment is a key factor to consider, because it covers all aspects of tool and equipment ownership listed above.

Evaluating the need for and value of these products can be challenging, which is why it's crucial to stay up-to-date on new tools and equipment, along with changing vehicle technologies and how those changes will affect the vehicles of the future. ■



Contents

6 Diagnostic Tool Products

12 Power Tool Products

16 Specialty & Hand Tool Products

20 Shop Equipment Products

24 Tool Storage Products

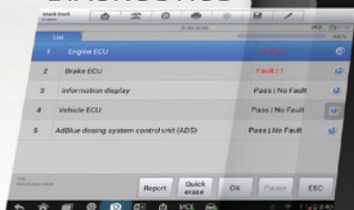
AUTEL MaxiSys CV

TRUCKKNOWLEDGY

ADVANCED ANALYSIS VEHICLE DIAGNOSTICS

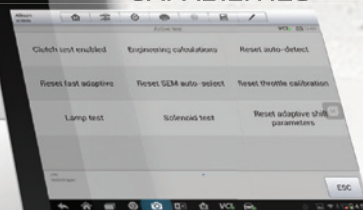
#MS908CV

AUTO SCAN DIAGNOSTICS



Single Screen Quick Scan Fault Codes & Repair Details

BI-DIRECTIONAL CAPABILITIES



Advanced Functions & Active Tests For Specialized Components



CLASS 1 (0-6,000LBS) – CLASS 9 (33,000LBS)

ALL MAKES / ALL MODELS

WIFI-ACCESS



DOWNLOAD LATEST COVERAGE

REPAIR FASTER

- AutoSCAN Read & Clear Trouble Codes
- Full DPF Reset & Regen / Set Parameters
- Full Bi-Directional Controls
- Full Brake & Transmission Coverage
- Injector Coding / Cylinder Power Balancing

ANDROID 4.0



MAXISYS SUITE APPLICATIONS

WORK SMARTER

- MaxiFIX Diagnostic Repairs Database
- Data Manager / Shop Manager / Printer
- Remote Tech Support / Data Logging
- 1Yr FREE Software / Vehicle Coverage
- Tool Functions After Subscription Ends

J2534 MAXIFLASH ELITE

BLUETOOTH VCI

Advanced Coding & Parameter Settings

CAN-Based Protocols J1939 - J2284

OBDII-Based Protocol J1708

PROGRAMMING

Pass-Thru Device For Reprogramming

CAN-Based Protocol ISO15765 - ISO9141

GM (VPW) Protocol J1850

#MF2534



FULL CONNECTOR KIT

New Deutsch 9-Pin & 6-Pin / Full Probe Set / Carry Case



8" SCREEN

MS906CV

- Class1 - Class9 / All Makes - All Models
- Android 4.4.2 / Hexa-Core Processor
- OBDII Coded Tool / Full Probe Set

CONNECTOR KIT INCLUDED

Deutsch 9-Pin / Deutsch 6-Pin
NEW NEW

AUTEL MaxiSys CV

ADVANCED SERVICE FUNCTIONS

HD SERVICE & DIAGNOSTICS

AutoVIN - AutoSCAN / 19 Service Features / All Systems Diagnostics



AL529HD

- AutoVIN Quick DTC Definitions
- Read & Clear Trouble Codes
- One Click I/M Readiness
- Enhanced Mode 6 Diagnostics

CONNECTORS INCLUDED

Deutsch 9-Pin / Deutsch 6-Pin
NEW NEW

AUTEL AutoLink

EASY TO USE - AVOID DOWNTIME

SCAN ANYTIME, ANYWHERE

Graph, Record and Playback Live Data / Display Live and Freeze Frame Data

VehicleServicePros.com/10095724



(855) 288-3587
maxitpms.com



autel.com
Register and update tools for latest coverage
©2018 Autel Intelligent Technology Inc.



Follow Us @AutelTools

AUTEL

Diagnostic Tool Purchase Considerations

- ✓ Will the tool be used for one vehicle brand or for a range of vehicle makes?
- ✓ Method and frequency of software updates.
- ✓ How detailed do you want the information to be?
- ✓ Ease of use.
- ✓ Tablet, handheld or PC-based tool.
- ✓ Physical shape and size.
- ✓ Touchscreen, and screen size.
- ✓ Onboard memory capacity.
- ✓ Wireless versus cables.
- ✓ Functionality/capabilities.
- ✓ Expandability/upgradeability.
- ✓ Quality.
- ✓ Durability.
- ✓ Warranty.
- ✓ Training resources.
- ✓ Technical support.
- ✓ Brand reputation.
- ✓ Budget range/price.

For light and medium duty trucks

The **CanDo MLT Pro Scan Tool** is designed for light and medium duty trucks such as Ford F250s, Fuso, Hino and UD. This scan tool covers Chevy Duramax, Dodge Cummins, Ford Power Stroke and Sprinters for reading and clearing codes, live data, full bi-directional controls and special functions. All Class 4 to 8 trucks and equipment with J1939/1708 protocols or OBD-II are also covered, the company says.



➔ For more information visit VehicleServicePros.com/20988340

Monitor temperature differences



The **Power Probe TeK Temperature Kit**, No. PPTMPKIT, is a dual-zone digital thermometer with a wireless remote temperature sensor. The remote temp sensor can transmit temperature readings up to 195' (60m) away from the base unit. Users can monitor temperature differences (ambient versus AC outlet, inside versus outside temps and more). The tool's operating range and measuring range is -4 degrees F to 158 degrees F (-20 degrees C to 70 degrees C). It requires a pair of both AA and AAA batteries, with a battery life of 400 hours.



➔ For more information visit VehicleServicePros.com/20841367

Multi-environment scan tool

The **TEXA NAVIGATOR TXTs** is a multi-environment scan tool. In association with the TEXA software (installed on a PC or a TEXA display), it can diagnose trucks (Class 3 to 8), high-end supercars and more. TEXA gives live data, DTCs, ON/OFF activations, settings and resets, wiring diagrams, procedures and technical information. Updates are optional with no skip fees.



➔ For more information visit VehicleServicePros.com/20841718

Covers all major trucks



The **FCAR Tech F506 HD Code Reader Pro** is designed for truck repair, fleet management and maintenance staff to have access to vehicle electronic control units and all supported sensors. This code reader can read and remove fault codes, analyze live sensor data and save or export information into an Excel spreadsheet. This code reader covers all major trucks, with imported truck OEM level coverage for Isuzu, UD, Hino, Fuso and OBD-II for all passenger vehicles, the company says.

➔ For more information visit VehicleServicePros.com/20987373

LAUNCH
TECH USA
CREATE • CHANGE



X-431 HD ADD-ON TRUCK MODULE

ONE TOOL DOES IT ALL

WWW.LAUNCHTECHUSA.COM

1820 S. MILLIKEN AVE • ONTARIO, CA 91761 • PH : 1-877-528-6249

VehicleServicePros.com/10094390

Diagnostics



Automatic module identification for Class 6 to 8 trucks

The **Bosch 3823 ESI[truck] Pro Scan Tool** features heavy duty vehicle coverage to scan, diagnose and repair trucks. This tool offers OEM-specific coverage, manual DPF regeneration capabilities, component actuations and actuation tests. The 3823 also offers brake, transmission and trailer ABS coverage. This tool is designed to cover all major heavy duty truck, medium duty truck, engine, transmission and brake system combinations with diagnostics, component actuations, special tests and automatic module identification for Class 6 through 8 trucks. This tool comes as a 10.1" rugged Windows tablet or a PC kit.

➔ For more information visit VehicleServicePros.com/20981475

Turns Pad II into a heavy duty truck scan tool

The **Launch X-431 Heavy Duty Truck Add-On Module** turns the company's Pad II into a full-function heavy duty truck scan tool. The module provides access to Class 4 through Class 8 vehicles, and communicates via Bluetooth, or can be hardwired to the vehicle. Users can download the HD Truck app to work on 12V or 24V systems. The module offers extensive model coverage and special functions, including engine, transmission, ABS and auxiliary from manufacturers such as Wabco, Bendix and Allison. The module works on CAT, Cummins, Detroit, Freightliner, Fuso, Hino, International, Isuzu, Kenworth, Peterbilt, Sterling and Volvo.



➔ For more information visit VehicleServicePros.com/20851528

Communicate with commercial vehicles for quick access to vehicle information

The **NEXIQ Blue-Link Mini** enables users to employ either iOS or Android smartphone or tablet devices to communicate with commercial vehicles for quick access to vehicle information. It plugs into the vehicle's diagnostic connector and provides wireless Bluetooth communication with on-board electronic control units. Paired with an application, the device can be used as a low-cost telematics solution, enabling users to read parameters, command special tests, and calibrate controllers without having to take the vehicle to the shop. Software development kits (SDKs) for both iOS and Android are available on the NEXIQ website to assist developers with application development.

➔ For more information visit VehicleServicePros.com/20858486



Can be updated with other software

The **Diesel Laptops Heavy and Medium Duty Truck Diagnostic Starter Kit** is designed for entry-level technicians looking for the basic functionality to view, clear and troubleshoot codes on commercial trucks. This kit can be easily updated with other software, the company says. The included adapter is fully RP1210C compliant, which means it works well with popular software such as Cummins, Insite, Premium Tech Tool (Mack/Volvo), Detroit Diagnostic Link, Allison Doc and more. This tool comes installed, licensed and ready-to-use right out of the box.

➔ For more information visit VehicleServicePros.com/20984824

Supports heavy duty, medium duty and OBD-II vehicles

The **DrewLinQ Heavy Duty and Commercial Diagnostic Tool**, from **Drew Technologies**, is a high-performance, rugged device supporting heavy duty, medium duty and OBD-II vehicles as well as off-highway, agricultural, military, automotive and other industrial-stationary equipment. It supports four concurrent CAN (J1939/ISO15765) channels, J1708 and all of the OBD-II protocols. It works with the TMC RP1210 applications shops currently use, other J2534 OBD-II pass-thru and diagnostic applications and comes with a standard two-year warranty.

➔ For more information visit VehicleServicePros.com/20970418



Diagnoses and tests TPMS

The **Snap-on TPMS4 Diagnostic Tool** is designed to test and diagnose tire pressure monitoring sensors to determine whether replacement is needed. This tool offers the software to program aftermarket sensors and displays psi, temperature and battery status on its full-color VGA screen. The tool provides vehicle-specific reset procedures following tire rotations and sensor replacements, and improved functionality for a more streamlined user interface and menu structure. The TPMS4 is designed to complement existing Snap-on diagnostic platforms such as Zeus, Verus, Verdict, Modis and Solus.

➔ For more information visit VehicleServicePros.com/20993463



Offers controlled battery charging

The **Midtronics Controlled Charger**, No. MCC-070, offers controlled charging to service different battery types (regular lead acid, AGM, EFB, Li-ion ready), app-driven charging routines and wireless connectivity to support automated software updates. The MCC-070 features J2534 reflashing support, quick fill and full charging capabilities, on-demand current and constant clean voltage to the vehicle battery for the extended period of time required to update the vehicle computer software, selectable voltage levels from 11V to 16V DC (0.1 VDC), pre-programmed applications and a streamlined user interface. The charger has full integration with Midtronics equipment and data systems in an advanced battery management solution; also functional as a standalone product.

➔ For more information visit VehicleServicePros.com/20859955



Do You Work on Light Duty and Medium Duty Trucks?



If you're working on Light Duty trucks such as Ford F250s all the way to Medium Duty trucks, such as Fuso, Hino and UD – the all-new **MLT Pro** is just the scan tool you've been waiting for. It covers Chevy Duramax, Dodge Cummins, Ford Power Stroke and all types of Sprinters. All Class 4-8 trucks and equipment with J1939/1708 protocols are also covered, as is OBDII.

Android Scan Tool for: Read & Clear Codes, View and Graph Live Data, Full Bi-directional Controls along with Special Functions.



CanDo
INTERNATIONAL, INC.

www.candointl.com • 909-Cando-11 (226-3611)

VehicleServicePros.com/11078899

Diagnostics

Performs diagnostics on more than 60 brands

The **Autel MaxiSYS MS908CV** provides OE-level bi-directional capabilities for all makes and models in Class 1 (0-6,000 lbs) thru Class 9 (33,000+ lbs) vehicles. The AutoSCAN

features a single screen display of all systems fault codes and detailed repair instructions. Repair faster with quick

access to Brake & Transmission Coverage, Injector Coding, Cylinder Power Balancing, DPF Reset and Regeneration service functions. MaxiSYS shop management applications like MaxiFIX, Data Manager and Remote Support allow for easy communication with Autel Tech Support. The MS908CV comes with connectors, probes and J2534 pass thru programming device for reprogramming protocols and Bluetooth VCI connection.

➔ For more information visit VehicleServicePros.com/20844531



Includes 29,685 new codes

The **Cojali Jaltest 18.1 Software** offers increased diagnostic capabilities. The installation includes 29,685 new codes,

1,773 new electronic modules, 1,238 new functionalities and seven new brands. This information is designed to offer improved access to OE-level maintenance tools and technical information. The update also includes Jaltest Info Online, a true Truck-Fix encyclopedia that offers technical solutions for the shop including more than 18,948 troubleshooting guides by code and 47,452 troubleshooting guides by symptoms. Other innovations include a new Jaltest RP1210 standalone device, indicators for fault codes with high priority/severity and a new search tool for system functionalities.

➔ For more information visit VehicleServicePros.com/20992825



Allows one technician to perform trailer diagnostics

The **Steelman Pro Bluetooth Trailer Tester** plugs right into the six-way trailer connector found on the trailer hitch of most vehicles.

This tool allows users to test signals by themselves from the cabin of the vehicle. The free app will show users if any signals are malfunctioning at the trailer hitch. The wiring at the hitch can be tested for brake lights, running lights, reverse lights, turn signals and even electric trailer brakes on most vehicles, including vehicles with smart hitch controllers. These features allow technicians to quickly diagnose and fix the exact malfunction, which in turn keeps customers and other drivers safe on the road, the company says.

➔ For more information visit VehicleServicePros.com/12187683



Checks brakes, steering and suspension

The **Vehicle Inspection Systems Inc. VIS-Check** is a diagnostic machine that checks the

brakes, steering and suspension of heavy trucks, transit buses, school buses, motorhomes and more. At the end of the inspection, it produces a "Safety and Efficiency Report" to guide and assist maintenance activities. The VIS-Check offers automated brake testing; road simulator to recreate road conditions safely; brake steering and suspension diagnostics; and business plan mentoring and marketing upon installation.

➔ For more information visit VehicleServicePros.com/20977202



DIESEL LAPTOPS

2018 EDITION

Navigator TS

TEXA

TEXA 2018 EDITION

- View live data
- View codes, including actual OEM flash codes
- Built-in trouble shooting & wiring diagrams
- Performs bi-directional commands

EVERY TRUCK. EVERY ENGINE. EVERY CODE.

www.diesellaptops.com
888-983-1975

VehicleServicePros.com/12205190

Noregon JPRO Professional

The reviewer says this tool helps cut a customer's vehicle downtime in half.

By Vesna Brajkovic, Assistant Editor



When diagnosing a vehicle with a scan tool, retrieving fault codes is step one. The next step, and often the most time-consuming, is figuring out where to go from there.

Jeremy Phelps, an ASE certified general manager at Pilot Travel Centers, says the Noregon Systems JPRO Professional simplifies the fault code information, ultimately saving time for him on the job and cutting downtime "in half" for his customers.

"Most other scanners just throw a code at you and you spend excessive amounts of time just trying to figure out the code," Phelps explains. "JPRO gives you the code and an explanation of the code so our techs know exactly where to look for the problem."

The JPRO features aftertreatment capabilities, a feature

frequently used by Phelps, and bi-directional tests.

"The bi-directional test feature saves a lot of time and allows us to diagnose, test and reprogram features on customer vehicles," Phelps says. "That not only saves us time and money, but, more importantly, helps our guests get back on the road and alleviates downtime."

Pilot Travel Centers in Blacksburg, South Carolina, used JPRO on any trucks or trailers that came through the shop with a "check engine" light or computer problems.

"We are able to simply hook up to the vehicle and pinpoint the problem very quickly," Phelps says. "The aftertreatment feature that JPRO Professional has is our most used feature and helps us to accurately pinpoint any aftertreat-

Product description

JPRO Professional is Noregon's in-shop diagnostic and repair solution. The tool provides coverage for all makes, models and components to eliminate the need for serialized diagnostics. JPRO includes enhanced OEM-level descriptions for more than 44,000 fault codes, bi-directional tests and educational features to improve the user's skillsets and facilitate thorough repairs. The tool is designed to help users both decrease repair time and increase uptime.

ment issues that the tractor may be having. We have saved our guests thousands of dollars in unnecessary repairs just by using the JPRO and getting real-time, accurate information that our customers have come to trust from us."

The tool includes trailer ABS diagnostic capabilities and the ability to print comprehensive diagnostic reports.

A feature that Phelps would like to see implemented in future updates would be the ability to program body controllers.

Phelps says the JPRO is simple to navigate, even for first-time users, and Noregon's U.S.-based customer service has been helpful with any issues that may come up during real-time diagnosis.

Overall, Phelps says the JPRO Professional has been a "huge asset" to his shop.

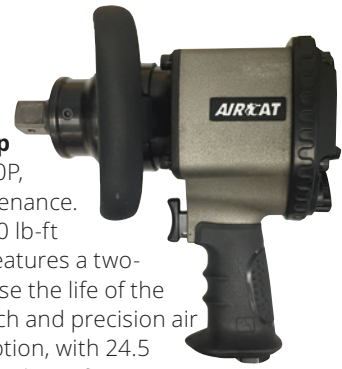
"JPRO Professional cuts downtime in half for our customers," Phelps says. ▀

Power Tool Purchase Considerations

- ✓ **Handle shape, size, length, material.**
- ✓ **Tool style, size and weight.**
- ✓ **Portability.**
- ✓ **Power trigger type.**
- ✓ **Controls and switches.**
- ✓ **Ergonomics.**
 - » Does the tool have features that increase worker performance and productivity while reducing discomfort, fatigue and risk of injury?
- ✓ **How much power/torque is required?**
- ✓ **Need for variable speed control?**
- ✓ **Vibration and noise level.**
- ✓ **Safety features.**
- ✓ **Accessories/ attachments.**
- ✓ **Service recommendations.**
- ✓ **Durability.**
- ✓ **Warranty.**
- ✓ **Training resources.**
- ✓ **Technical support.**
- ✓ **Brand reputation.**
- ✓ **Budget range/price.**
- ✓ **For cordless tools:**
 - » What type of battery does the tool have? Battery type determines how long the battery provides power and how much time is required for recharging.
 - » Consider battery voltages - 8-12V systems are more common for ratchets and lighting, and applications requiring lower rpm. 18-20V systems are most common for impact wrenches, etc. 20V+ are available for extended applications such as grinders.
- ✓ **For pneumatic tools:**
 - » Every air tool has an operational compressed air requirement - measured in cubic feet per minute (cfm). Every air compressor has a maximum cfm output. The air compressor's cfm output must be greater than the cfm requirement to keep all the pneumatic tools in the shop operating efficiently.
 - » Compatibility with existing systems.

Designed for fleet maintenance

The **AIRCAT 1" Pistol Grip Impact Wrench**, No. 1890P, is designed for fleet maintenance. The wrench provides 2,000 lb-ft of maximum torque and features a two-jaw clutch meant to increase the life of the hammer. The two-jaw clutch and precision air motor reduce air consumption, with 24.5 cfm free running output, and 6.1 cfm average output.



➔ For more information visit VehicleServicePros.com/20855416



Pulling force of 2,373 lbs

The **Arconic Marson BT-2 Cordless Rivet Tool** is designed for a variety of applications, including trailers, construction, signs and more. The BT-2 offers a capacity of 3/32" to 3/16", a pulling force of 2,373 lbs and a 14.4V battery pack.

➔ For more information visit VehicleServicePros.com/20855812



Designed for reduced operating noise

The **Hazel High Performance Air Ratchet**, No. 9022-360, is designed to offer high loading capacity with reduced operating noise. This ratchet features "Quiet Mode," which allows the air ratchet to optionally operate 10 db more quietly, according to the company. This ratchet offers a flat head made from heat-treated steel, and clockwise/counter-clockwise rotation is controlled by an adjusting ring on the handle. Featuring a 1/2" drive, this ratchet has an operating lever that can be rotated 360 degrees, allowing users to work unhindered in tight spaces. This air ratchet is designed to handle torques up to 370 lb-ft (500 Nm).

➔ For more information visit VehicleServicePros.com/20984022

Three-position flexible head

The **SP Air Reversible Flex Head Cut-Off Tool**, No. SP-7231R, offers a three-position flexible head designed to provide greater access in tight work places. The tool features a cushion grip handle, rear exhaust, safety throttle lever, built-in power regulator, graduated trigger, direct drive motor and metal guard. The tool cuts muffler clamps and hangers, sheet metal, radiator hose clamps, bumper bolts and steel rods up to 3/4".

➔ For more information visit VehicleServicePros.com/20977978



Four-mode drive control

The **Milwaukee Tool M18 Fuel High Torque Impact Wrench with 1/2" Friction Ring**, No. 2767-22, is designed with a four-mode Drive Control feature that allows users to switch between modes to match the power and speed to the application. The Bolt Removal Mode provides maximum nut-busting torque to remove the most stubborn bolts or nuts, according to the company. This wrench offers 1,000 lb-ft of fastening torque and 1,400 lb-ft of nut-busting torque. The tool includes two M18 High Capacity Redlithium XC5.0 battery packs, a multi-voltage charger and case. The friction ring mechanism is designed for frequent socket changes and ease of use.

➔ For more information visit VehicleServicePros.com/20974100



High power-to-weight ratio

The **Ingersoll Rand 35MAX Ultra-Compact Impactool** is a pneumatic tool designed to quickly loosen or tighten a variety of fasteners in confined spaces. The 35MAX Impactool features a high power-to-weight ratio, easy-to-operate regulator dials with three power settings and push-button forward and reverse capabilities. The 35MAX has a 1/2" square drive and 450 lb-ft of maximum reverse torque. The 35MAX Ultra-Compact weighs 2.4 lbs and is 4.6" long.

➔ For more information visit VehicleServicePros.com/20859959



Low maintenance and low vibration

The **Chicago Pneumatic CP66 Nutrunners** offer high power, low maintenance and low vibration. These nutrunners weigh as little as 8.3 lbs and are equipped with a sturdy stabilizing arm to aid operator comfort. These tools are designed for flange-related and other bolting applications, and are designed to provide a more durable, powerful and safer alternative to an impact wrench. With models capable of delivering 96 lb-ft, 1,900 lb-ft or 3,100 lb-ft of torque, these nutrunners are designed to deliver the right amount of torque to tighten or loosen bolts ranging from 20mm to 45mm.

➔ For more information visit VehicleServicePros.com/20982664

AWARD WINNING INNOVATIVE PULLING KIT

LT855 TEXAS TWISTER AIR HAMMER PULLING KIT

- Now you can convert your air hammer into a pneumatic slide hammer with the Texas Twister
- Simply snap the Texas Twister curved air bit into the collet of your hammer with one of the bits attached and reverse the air hammer handle in your hand now using thumb to push the hammer trigger.
- Feel the 3000 air hammer blows per minute tuning into new pulling power
- One hand operation allows you to hold parts with your other hand
- Safe controlled part removal without parts and fluids crashing to the floor
- Use 21st century air hammer pulling power to get the job done SAFE, FAST & EFFICIENT instead of a slow, manually powered 19th century slide hammer
- **NOW INCLUDES two NEW puller connectors** - 1/2"-20 to 5/8" and 1/2"-20 to 3/4" to connect the Texas Twister to your 5/8" & 3/4" slide hammer bits and pullers
- Extend the reach of the tool by using the 20" extension
- Safe, powerful, fast, simple effective air hammer bits you will use every day
- Comes packaged in a custom plastic tray with a custom black ballistic nylon carrying case



PATENT #7,036,211
ADDITIONAL PATENTS PENDING



We Make Good Ideas

LOCK TECHNOLOGY, INC.
Toll Free 800-421-7241
www.ltitools.com
ltitools@ltitools.com

VehicleServicePros.com/10095030

Power Tool



Makes blind rivets easily and quickly

The **ACDelco Cordless Li-Ion 18V Rivet Tool**, No. ARV20104, is fully automatic and the 18V battery platform is designed to make hundreds of rivets on a single charge. The patented Electronic Torque Control (ETC) system makes sure all the rivets conform to the same tension and create a uniform flange. The spent mandrel ejection mechanism releases mandrels automatically after the rivet is made. The ARV20104 features an ergonomic design and compact, durable housing. This cordless automatic riveting tool makes for quick rivets without having to manually use a pop rivet gun or deal with air hoses.

➔ For more information visit VehicleServicePros.com/20859900



With friction ring anvil kit

The **Makita 18V LXT High-Torque Impact Wrench**, No. XWT08, is a cordless option to corded and pneumatic tools for turning stubborn lug nuts and large diameter bolts. The 18V LXT brushless High-Torque 1/2" Impact Wrench has 1,180 lb-ft of breakaway torque and is engineered for demanding applications. The brushless motor delivers longer run-time, increased power and speed and longer tool life for consistent performance without a power cord or air hose.

➔ For more information visit VehicleServicePros.com/20864871



Low vibration for reduced fatigue

The **Legacy Manufacturing Flexzilla Pro Reciprocating Air Saw Kit**, No. AT8565FZ, offers a lightweight, compact and low vibration design to reduce operator fatigue during extended use. The saw's high-speed, 9,500 rpm allows users to cut through tough materials. This kit includes the Flexzilla Pro Air Saw, a Flexzilla Custom Length Whip Hose with High Flow Ball Swivel, a 1/4" FNPT Coupler, a 1/4" MNPT Coupler and two 1/4" FNPT plugs.

➔ For more information visit VehicleServicePros.com/20977695



Reduction gears for improved power

The **Suhner Cordless Fillet Weld Grinder**, No. AKC 3, features reduction gears for improved power. This tool features a lightweight design and long aluminum neck, and weighs 4.8 lbs including the battery pack. The low cross head helps the user when working in low clearance areas, making this grinder ideal for fillet welds in tight places.

➔ For more information visit VehicleServicePros.com/20986356

For Detroit Diesel engines

The **TorcUp Raptor 1000 Detroit Diesel package** is designed to offer a comprehensive repair solution for Detroit Diesel engines. The package includes the TorcUp Raptor, a non-impacting pneumatic torque wrench that quickly and easily torques main bearing bolts and head bolts. The package also includes an RP-FRL Unti that filters, regulates and lubricates the tool during operation; a 2-1/2" ISO17025 certified pressure gauge; a 15' pneumatic hose; a standard reaction arm; a Detroit Diesel straight sliding reaction arm; a lug nut reaction arm; and custom designed sockets with 45 degree and 90 degree markings made for specific engines to help maximize efficiency, accuracy and safety.

➔ For more information visit VehicleServicePros.com/20979901



Mighty-Seven NC-6266 3/4" Impact Wrench

The reviewer says this tool is lightweight and quiet for increased user comfort.

By David Brierley, Managing Editor

When using a tool

such as an air impact wrench on multiple projects per day, every day, it is important for the technician to be able to maintain some level of comfort.

Phillip Huffman, manager at AAA Car Care Center in Greensboro, North Carolina, found that he could comfortably use the Mighty-Seven NC-6266 3/4" Drive Composite Impact Wrench day after day.

One of the major factors contributing to the air impact wrench's ease of use is the lightweight design. According to the manufacturer, it weighs 6.5 lbs.

"This air gun is so much lighter," Huffman says. "My other 3/4" [air impact wrench] weighs about 4 lbs more than this one. So when using this for a long time, this air gun is much easier on your hands, arms and back."

But being lighter in weight does not mean that this tool is light on power, according to the reviewer.

"The power on the M7 is unbe-

lievable," he says, adding that it has all the power that "a 3/4" air gun should have."

Another factor contributing to the air impact wrench's usability is its sound output. "The sound level is one of the best that I have used," Huffman says.



Product description

The Mighty-Seven 3/4" Drive Composite Impact Wrench, No. NC-6266, offers 1,500 lb-ft of maximum reverse torque. This tool weighs 6.5 lbs and features a comfortable grip and trigger, grease port for easy maintenance and seven spring-loaded rotor blades. The wrench also has a 360 degree swivel air inlet designed to improve overall performance and durability.

He notes that the sound level is much better than that of the other 3/4" air impact wrench he regularly uses.

Huffman also says the length of the tool makes it easier to maneuver and fit into tight spaces.

As far as setup goes, Huffman notes that changing the air fitting to match the shop's system was all that needed to be done. After that, the air impact wrench was ready to use.

Included in the box is a user's manual and warranty guide.

Huffman used the NC-6266 on bus lug nuts, and noted that it "also works great with crankshaft pulleys and everyday shop use."

The only potential improvement that the reviewer noted would be to add "impact rubber around the front and back of tool."

Overall, Huffman was impressed with the NC-6266's lightweight design, its quiet operation and its ample torque. ■

Hand Tool & Specialty Tool Purchase Considerations

- ✓ **Tool design:** Style, size, shape, weight, etc.
- ✓ **Ergonomics:**
 - » How well does the tool fit the hand?
 - » Can the tool be used in a comfortable work position without causing awkward postures, harmful contact pressures or other safety and health risks?
 - » Does the balance and the weight feel right?
 - » How easy is it to use?
- ✓ **Quality.**
- ✓ **Durability.**
- ✓ **Warranty.**
- ✓ **Product support.**
- ✓ **Brand reputation.**
- ✓ **Budget range/price.**

Heads are less than 3/4" wide

The **GEARWRENCH 1/4" Drive Slim Head Ratchets** feature compact heads for improved access in hard-to-reach spaces. These ratchets are available in 6" and 12" sizes with full polish chrome handles. The heads measure less than 3/4" wide and they are 0.49" thick. A flush-mounted forward/reverse lever provides additional access capability and a quick-release button for fast socket change-out.

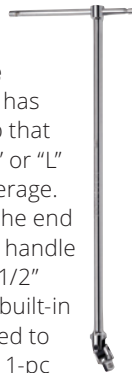
➔ For more information visit VehicleServicePros.com/20985672



Sliding "T" at the top for more leverage

The **Beta Tools T-Handle 1/2" Drive Wrench**, No. 920/40, has a sliding "T" at the top that can be used in the "T" or "L" position for more leverage. The indentations on the end of the "T" prevent the handle from sliding out. The 1/2" drive male end has a built-in universal joint attached to the bar, making this a 1-pc construction. The overall length is 19.25" and the tool weighs 30 oz.

➔ For more information visit VehicleServicePros.com/20861104



Ford fuel injector removal

ProMAXX offers the **PowerPull ProKit** line of precision technician tools to facilitate removal of the Ford Fuel Injector found in the Ford 6.7L Power Stroke diesel engine. ProMAXX engineered a system that eliminates the current method of bolting the removal tool to the head. Moreover, hard-to-remove injectors often deform tools currently available that have limited strength and reach, according to the company.

➔ For more information visit VehicleServicePros.com/20863017

Remove and replace universal joints

The **Cal-Van Tools Ball Joint Super Set**, No. 197, is designed for the removal and installation of press-fit ball joints on various makes and models of trucks, cars, vans and SUVs. This tool can be applied to the following makes and models of vehicles: GM and Ford light duty trucks, vans and SUVs through 2003; Dodge light trucks through 1998; Dodge vans, Durango and Dakota through 2003; Honda Accords, Civics, del Sols and Preludes through 2001. This C-frame tool can be used to remove and replace universal joints. This set comes in a durable case.

➔ For more information visit VehicleServicePros.com/20982082



For oil or petroleum-based products

The **Lumax Heavy Duty Fuel Transfer Pump Kit**, No. LX-1377, is designed for pumping oil or petroleum-based products such as gasoline, diesel, kerosene and mineral spirits. This pump has a vane designed for efficiency to provide faster priming, better performance and longer life. The LX-1377 is built from heavy duty cast iron, offers an explosion-proof motor and has a strainer and bypass valve built in to help prevent damage to the pump and equipment. This pump has a working pressure of 18 psi. The pump kit includes the pump, automatic shut-off fuel nozzle, lockable nozzle holder, 41" by 1" steel telescoping suction pipe, 13' by 3/4" anti-static wire discharge hose and 2" threading bung adapter for barrel or tank mount.

➔ For more information visit VehicleServicePros.com/20985892



Hard chrome finish keeps rust away



The **OEMTOOLS 26-pc 1/2" Drive Ratchet and Socket Set**, No. 23995, features a hard chrome finish that won't show prints and keeps rust away, says the company. The set

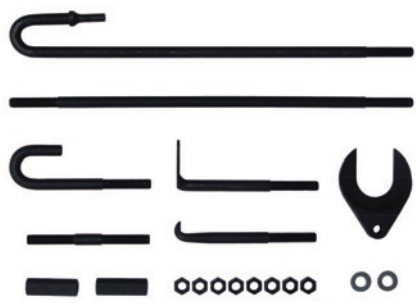
includes a 36-tooth ratchet, extensions and multiple sockets. The sockets are thin-walled with a no-slip design that gives users more socket-to-fastener contact. The ratchet has a sealed head that keeps out dirt and provides a 10 degree arc for smooth operation. The set includes six-point, 1/2" drive sockets in the following sizes: 1/2", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1 1/16", 1 1/8" and 12mm-19mm, 21mm, 24mm; 1/2" drive extensions (3" and 6"); 1/2" swivel U-joint; and 1/2" regular ratchet. The set comes in a sturdy organization case.

➔ For more information visit VehicleServicePros.com/20849986

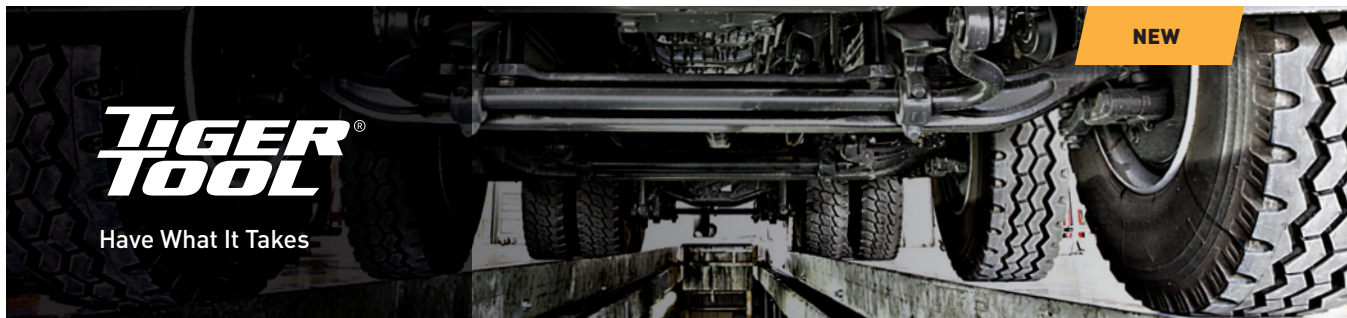
Converts air hammer into pneumatic slide hammer

The **Lock Technology Texas Twister**, No. LT855, allows

technicians to convert their air hammer into a pneumatic slide hammer. Its curved air bit snaps into the collet of the air hammer. Then technicians can reverse the air hammer handle in their hands and use their thumb to push the trigger, generating pulling power from the air hammer. The patent-pending tool offers one-handed operation, and allows controlled part removal. The axle crow foot and pry bar sealer puller can be used to remove stubborn axles and inner axle seals, while the flat blade puller can be used for removing frozen distributors, pulley wheels and speed sensors without damaging them. The J-shaped hammer bit allows users to hammer from the back side, and the double-ended female 1/2-20 connector bar joins the Texas Twister to pullers. The LT855 comes with a 20" extender bar, 10 jam nuts for setup and a heavy duty storage bag.



➔ For more information visit VehicleServicePros.com/12232537



Remove & Install Bearing Races In Minutes!

Bearing Race Starter Kit

10908

The split ring is expanded on a wedge, increasing the diameter of the split ring, causing the ring to clamp onto the bearing race. Using a shop press, force is applied to the assembly, which frees the bearing race with ease.

A shop press can also be used to install new races in conjunction with any of the adapter kits.

Designed to service bearing races on aluminum and steel hubs.

Requires a 20 ton minimum shop press and at least one adapter kit to operate

Patent Pending



Adapter Kits



With more than twenty different adapter kits to choose from, there simply isn't a more comprehensive solution for servicing bearing races.

Go to tigertool.com/10908 to see our latest additions.

1.800.994.1871 | tigertool.com/10908

VehicleServicePros.com/10095347

PRY BARS



- Individual sizes include: 12", 17", 25", 31" & 36" (or) 3-piece set includes: 12", 17" & 25"
- Exceeds ASME standards
- Strike protection hard capped handles are ergonomically designed for comfort, secure grip, and durability
- Tips are bent for ease of access
- High carbon alloy steel is forged and heat treated for strength and durability
- Black oxide finish for corrosion resistance
- Lifetime warranty
- Made in the U.S.A.

EST. 1932
WWW.LANGTOOLS.COM

VehicleServicePros.com/12069556

Specialty & Hand Tools



Pivoting bottom jaw for improved grip

The **KNIPEX Tools Gripping Pliers Series** is designed to offer a heavy duty design and extensive gripping abilities. The series includes the following: 10" Universal Gripping Pliers, which feature a pivoting bottom jaw designed to automatically adjust to any workpiece; 8" Long-Nose Gripping Pliers, which feature narrow, long jaws that are 1/4" in width; and 11" Welding Gripping Pliers that feature moveable jaws with clamps for sections with high ridges up to 1-1/2". All the pliers offer a heavy duty design with a release lever and one-handed operation. The pliers are made from high-strength rolled steel, and the gripping jaws are forged from chrome vanadium electric steel.

➔ For more information visit
VehicleServicePros.com/20984257



Updated non-slip handle design

The **Mayhew Tools ProGrip Hook and Pick product line** is comprised of over 30 hooks and picks and 11 sets all featuring Mayhew's non-slip ProGrip handle. The ergonomic ProGrip handle, made of polypropylene with an over-molded thermoplastic elastomer soft grip, has two patented ribs around its neck designed for maximum transfer of torque from the hand to the tool and a slip-free grip when pushing or prying.

➔ For more information visit
VehicleServicePros.com/20865368

Remove brake anchor pins and bushings

The **Tiger Tool Brake Anchor Pin Press**, No. 16002, allows users to remove brake anchor pins and bushings on virtually all 16-1/2" S-cam trailer and tractor "Q" brake systems in minutes. The compact design ensures the job can be completed more efficiently without the removal of the hub assembly, the company says. The tool is manufactured from high-grade steel and the rigid C-frame can endure up to 10 tons of force.

➔ For more information visit VehicleServicePros.com/20851821



Fits Meritor, Haldex and Bendix systems

The **Ken-Tool Drum Air Brake Slack Adjusters** fit Meritor, Haldex and Bendix air braking systems. The steel tools, available separately, offer an offset reversible ratchet design and come with a limited lifetime warranty. The two-piece Meritor Automatic Slack Adjuster Set (No. 33200) features a 5/16" double square ratchet and a tool to secure the brake shaft from turning during tightening/loosening of the adjustment nut. It weighs 10.4 oz and is 12" long. The Haldex Slack Adjuster Tool (No. 33205) uses a 7/16" double offset square ratchet, weighs 10.4 oz and is 14.5". The Bendix Slack Adjuster Tool (No. 33206) uses a 9/16" double offset square ratchet, weighs 1 lb and measures 14.5". The Haldex and Bendix tools each have extra-long handles for improved leverage, with slip-resistant vinyl hand grips.

➔ For more information visit VehicleServicePros.com/12161718



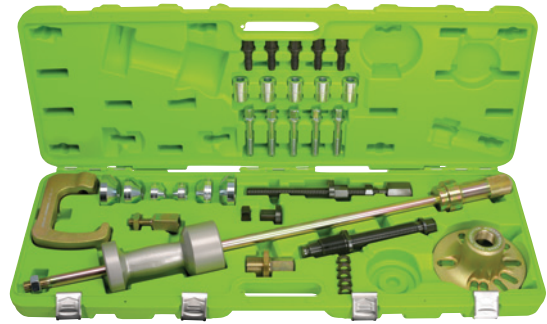
Specialty & Hand Tools

Designed to be strong and reliable

The **Channellock 171-pc Mechanic's Tool Set**, No. 39053, is designed to be a strong, reliable tool set for automotive applications. The set includes 1/4", 3/8" and 1/2" 45-tooth ratchets; 20 1/4" sockets; 35 standard and deep 3/8" sockets; 12 1/2" sockets; two spark plug sockets; 3" extensions; a magnetic bit driver; 40 Phillips slotted torx, pozi, square and hex driver bits; 20 SAE and metric nut driver bits; 18 SAE and metric hex keys; 12 SAE and metric combo wrenches; and a magnetic parts tray. The entire set comes in a durable storage case.



➔ For more information visit VehicleServicePros.com/20976581



Removes all components of wheel knuckle

The **Mueller-Kueps Master Suspension Kit**, No. 433 100, is designed to remove all components of the wheel knuckle. The kit includes an XL slide hammer that provides up to 11 tons of force. A drop forged flange ensures maximum rigidity when pushing out the drive shaft. The drop forged hook in combination with the XL slide hammer ensures that a lower ball joint can be removed with one blow, according to the company. The kit includes an adapter so users can use their existing tools with the XL slide hammer. All components are neatly stored in a neon green carrying case.

➔ For more information visit VehicleServicePros.com/20982525

TOOLS AND EQUIPMENT

OVER 5000 ITEMS FROM OVER 80 QUALITY BRANDS

- AC Hydraulic^{MS}
NO COMPROMISE
- ASSOCIATED
- ATEQ
- COATS
- HOFMANN
- Mastercool[®]
"World Class Quality"
- LINCOLN
- NOREGON.
VEHICLE BODY SUPPLY
- OEM TOOLS™
- MOBILE DISTRIBUTOR SUPPLY™
Tools & Equipment

- ✓ Great Customer Service
- ✓ Financing Options
- ✓ No Sales Tax (except TN, NY and MA)

10% OFF
YOUR NEXT ORDER.
USE CODE: MDSFLEET

WWW.SHOP-MDS.COM • (855) 637-8665

VehicleServicePros.com/10659190

Shop Equipment Purchase Considerations

- ✓ Physical weight.
- ✓ Capacity.
- ✓ Efficiency, versatility, productivity, etc.
- ✓ Safety features.
- ✓ Ease of operation.
- ✓ Ergonomics.
- ✓ Accessories and options.
- ✓ Power requirements.
- ✓ Maintenance requirements.
- ✓ Construction.
- ✓ Lifecycle.
- ✓ Will it fit the available work space?
- ✓ Storage considerations.
- ✓ Durability.
- ✓ Warranty.
- ✓ Training resources.
- ✓ Product and technical support.
- ✓ Brand reputation.
- ✓ Budget range/price.
- ✓ Available financing options.

Multiple charge rates from 15A to 100A



The **Clare Automotive PRO-LOGIX 100 Amp Fleet Wheel Charger**, No. PL5100, from **SOLAR**, is a heavy duty 12V/24V charger that features multiple charge rates from 15A to 100A to deliver a precise charging routine to vehicles from passenger vehicles to over-the-road trucks with an eight-battery configuration. It also features 425A engine starting assistance for vehicles with a low battery. Approved for all-weather use, the PL5100 features the ability to properly charge a wide variety of lead acid battery types, including conventional, AGM, spiral wound, start-stop, deep cycle and marine batteries. The PL5100 adapts its approach based on the needs of each battery or battery pack it services. It also incorporates safety features like over-voltage protection, reverse polarity protection, smart clamp

technology and battery fault detection.

➔ For more information visit VehicleServicePros.com/12257264



Wireless, remote-controlled mobile column lift

The **Rotary Lift Mach 14 Flex Mobile Column Lift**, powered by RedFire, is a wireless, remote-controlled mobile column lift. This lift is available in configurations of two, four, six or eight columns, providing a lifting capacity of 28,000 lbs per axle and up to 112,000 lbs total. It can be used to lift most medium duty and heavy duty vehicles. The Mach 14 Flex is battery operated with an onboard charger, and features built-in forklift pockets and a spring-loaded steering and braking system. This lift is ALI certified.

➔ For more information visit VehicleServicePros.com/20974553

Water-based units

Oil Eater Flex Line II Parts Washers from **Kafko** have an immersible pump designed to move fluids filled with particulates including metal shavings. Manufactured entirely from cast metals, it's an improvement over the submersible aquarium/fountain pumps typically used by the industry, according to the company. These units are water-based and come ready to use with Oil Eater Cleaner & Degreaser included. All Flex Line II models are constructed of high-impact HDPE and feature a 440-lb capacity working tray, adjustable gooseneck spigot, flexible cleaning brush and three-year limited warranty. Several options are available, including heat, filtration and low-fluid protection.

➔ For more information visit VehicleServicePros.com/20973826



Touchscreen control

Stertil-Koni has incorporated the full-color, touchscreen control console, known as the eBright Smart Control System – into the company's shallow, full-rise, axle-engaging in-ground scissor-lifting system, the **ECOLIFT**. The enhanced eBright provides intuitive ease-of-use with maximum visual information about the entire lifting process. The eBright offers the intuitive features of a smartphone or a tablet via a 7" full-color touchscreen control system. Users can track specific operations and data while the lift is in motion. As a result, fleet maintenance managers can see in real-time how lifts are being used, observe warning and service alerts and monitor the lift's motor run timer. The ECOLIFT is the industry's original ultra-shallow, full-rise axle-engaging in ground scissor lift. The lift is available in both a two-scissor or three-scissor configuration. Total lifting capacity is 60,000 lbs and 90,000 lbs respectively – at 30,000 lbs per scissor.



➔ For more information visit VehicleServicePros.com/20867058

Cleans a variety of industrial fluids

The **Mahle FluidPRO CFF-1HD Multi-Fluid Filtration System** is designed to be a versatile, portable all-in-one machine that can clean a wide variety of industrial fluids in on- and off-highway applications. The CFF-1HD helps filter oil and water to minimize component wear and maximize the service life of hydraulic oil, engine oil, gear lube and transmission fluids. The closed loop filtration process helps eliminate spills and contamination while extending the life of vehicle fluids to help reduce a shop's operational costs.



➔ For more information visit VehicleServicePros.com/20991693

COMFORTABLE EMPLOYEES ARE PRODUCTIVE EMPLOYEES

"We couldn't make it in the shop without Portacool. They are an important piece of machinery in my shop."
Steve Darnell, Owner, WelderUp

- Portacool evaporative coolers offer the lowest-cost, effective cooling solution available.
- Designed to create a noticeable difference, our products can dramatically lower temperatures.
- Cool any space for as little as a dollar a day using just a 115-volt power source and tap water.

PORTACOOOL PROTECT

- 3 Year warranty on evaporative coolers
- ∞ Lifetime warranty on all related fittings
- Live U.S. Based Customer Service

DISCOVER WHICH EVAPORATIVE COOLER IS RIGHT FOR YOU
VISIT WWW.PORTACOOOL.COM



PORTACOOOL
WHEN COMFORT COUNTS™

VehicleServicePros.com/10094546

MOHAWK LIFTS Mohawk...Lifts for All of Your Fleet Vehicles



TWO POST LIFTS
7,000 through 30,000 lb. capacities with 25 year structural warranty.



MOBILE COLUMN LIFTS
MP-Series electric-hydraulic mobile lifts available in 2, 4, 6, or 8 post configurations.



FOUR POST RUNWAY LIFTS
19,000 through 120,000 lb. capacity models give complete under vehicle access.



PARALLELOGRAM LIFTS
35,000 through 100,000 lb. capacity available in surface or flush mount.

www.mohawklifts.com/FM

Phone: 518-842-1431 • Fax: 518-842-1289

P.O. Box 110 • Amsterdam, NY 12010



1-800-833-2006



VehicleServicePros.com/10095038

Shop Equipment

Track lengths from 26' to 48' long

Mohawk parallelogram lifts offer capacity ranges from 36,000 lbs to 100,000 lbs, track lengths from 26' to 48' long and are available in either surface-mounted or flush-mounted designs, which is designed to be level with the shop floor when fully lowered. This allows for maximum shop workflow when the lift is not in use. Available options for Mohawk's parallelogram lifts include rolling jacks, which give technicians the ability to service tires and brakes, fluorescent lights to illuminate the vehicle undercarriage and a specialized tire dolly to remove heavy tires. For corrosive wash bay environments the lift is available fully galvanized. All Mohawk Lifts are designed, welded and manufactured in the U.S.A.

➔ For more information visit VehicleServicePros.com/12248939



Cools workspaces

The **Portacool Jetstream 230** is designed to offer versatility and cooling comfort to professional, single-person workspaces. The Jetstream 230 features oscillating louvers, low-water shutoff and Kuul Comfort MicroTech evaporative media to lower the temperature in hard-to-cool industrial and maintenance shop areas.

➔ For more information visit VehicleServicePros.com/20975622



With a cast-iron compressor pump

The **Jenny Products G5A-60V single-stage air compressor** features a 60-gal vertical air tank and an industrial-grade 5 hp motor. The G5A-60V provides 27.8 cfm at 125 psi through an American-made cast-iron compressor pump. An oversized flywheel and a directional air shroud further assist in pump cooling. For maximum durability, the G5A-60V offers a heavy duty, totally enclosed belt guard, as well as protectively mounted grease fittings, a large canister intake filter with replaceable filter elements and thermal overload motor protection.

➔ For more information visit VehicleServicePros.com/12142309



Features built-in Bluetooth speaker

The **Advanced Lighting Systems (ALS) AUD501H Audio Light** features a high-efficiency COB LED light with a built-in Bluetooth speaker. The AUD501H offers five levels of brightness: 1,000 lm, 2,000 lm, 3,000 lm, 4,000 lm and 5,000 lm, and a runtime of up to 7.5 hours. The light's speaker function is designed to pair easily to the user's device, and brightness can be controlled using the ALS mobile app. Lights will flash as a low power warning prior to the battery running out. This light features a high-quality aluminum housing and is impact-resistant and IP67 dust- and water-resistant.

➔ For more information visit VehicleServicePros.com/20983910

Detachable battery cables and hose

The **Monster Smoke Leak Detector**, No. MST12050, is designed to locate leaks quickly and easily. The leak detector features detachable battery cables and a detachable air/smoke hose to help make it "Field Serviceable," the company says. The Smoke Leak Detector offers visual monitoring of the fuel gauge level, fixed air pressure rate, built-in visual air pressure monitoring and control and built-in flow meter that locates leaks as small as 0.010".

➔ For more information visit VehicleServicePros.com/20987488



Automatic and guided inspections

The **IPA 5700 Alpha MUTT Trailer Tester System** is designed to help technicians get more inspections done in less time. This system provides automatic and guided inspections with detailed reports. Users also have the option to instantly link all trailer inspections fleet-wide for inspection-failure-cause analytics.

➔ For more information visit VehicleServicePros.com/20984423

Redline Detection Air Brake NanoLeak Finder

The reviewer appreciated the time savings this tool offered.

By Stefanie Von Rueden, Assistant Editor

Tools that help technicians work more efficiently can help increase vehicle uptime. Scott Maves, service manager at Packer City International Trucks Inc. in Appleton, Wisconsin, appreciated the time savings the Redline Detection Air Brake NanoLeak Finder offered.

“This tool saved us so much time it paid for itself after the first two times we used it,” Maves says.

Maves’ technicians used this tool for a variety of repairs. For example, they had a municipal dump truck that was less than four months old and under warranty that would lose its compressed air system pressure when it sat overnight. The truck was in and out of the shop several times, and they had spent over 20 hours looking for leaks with soap and water, and still hadn’t been able to find the leak. Maves says that with the NanoLeak tool, they were able to pinpoint

the root cause of the leak in less than an hour.

“On another new vehicle, we also [spent] a considerable amount of time trying to find a leak that was caused by the vehicle protection valve. We never could have found [the leak] with soap and water,” Maves adds.

The tool ships with foam inserts in a box, and the detection wand comes in a heavy plastic protective case, Maves says. He notes that the packaging was so nice that they still use the box it came in for storing the unit when not in use. The NanoLeak Finder arrives ready to use.

Users just need to fill the machine with the provided leak detection solution. The unit includes an easy-to-follow manual that outlines the use, care and troubleshooting along with product support numbers that users can call if needed. Maves says that the unit is easy to use, and with minimal training and practice, technicians of any level can use this tool.

While Maves hasn’t used a previous version of this tool, he notes that they have used a

Product description

The Redline Detection Air Brake NanoLeak Finder quickly tests and precisely pinpoints leaks in air brake, air suspension and air-powered accessory systems, according to the company. The patented technology in the machine creates a signature vapor that, in conjunction with the handheld NanoLeak Locator, pinpoints the precise location of air brake leaks instantly. Clear, audible and visual signals speed diagnosis and pinpointing of leaks. With a simple, one-minute test cycle, the Redline Air Brake NanoLeak Finder will flash a green or red, a “pass” or “fail” light indicator for fool-proof testing, regardless of technician, truck or trailer variables. The Air Brake NanoLeak Finder utilizes test pressure up to 9.3 BAR (up to 135 psi). The unit runs on compressed air and 12V DC and weighs only 18 lbs (8.16 Kg).



Redline smoke machine to find leaks in the intake and exhaust systems on diesel engines.

“[It works] great, which is why we were so eager to try out the air system leak finding tool,” he says.

Overall, Maves appreciated the time savings this tool offered in testing and diagnostic time.

“The return on investment is outstanding and comes very quickly,” he concludes. ■

Tool Storage Solution Purchase Considerations

- ✓ **Required storage capacity.**
 - » Size, storage volume, style, configuration, etc.
- ✓ **Space efficiency.**
- ✓ **Number and size of compartments, trays, etc.**
- ✓ **Organizational options and accessories.**
- ✓ **Ease of use.**
- ✓ **Expandability/upgradeability.**
- ✓ **Construction and material type.**
- ✓ **Strength and durability.**
- ✓ **Color, finish, fit, graphics, etc.**
- ✓ **Portable, wheeling or stationary.**
- ✓ **How well will the storage solution fit in the work space or with existing storage solutions?**
- ✓ **How are tools and equipment safeguarded?**
 - » Built-in locks, latches designed for padlocks, electronic systems or other secure locking mechanisms?
- ✓ **Would complete systems for tool and asset monitoring and control be beneficial?**
- ✓ **Additional power source, for charging personal electronics and cordless tools?**
- ✓ **Quality.**
- ✓ **Warranty.**
- ✓ **Product support.**
- ✓ **Brand reputation.**
- ✓ **Budget range/price.**

Keeps all bits organized and accessible



The **Ernst Manufacturing Bit Boss Universal Bit Organizer**, No. 5710, is designed to keep all bits organized and accessible. The universal tray provides massive storage in a compact space and features Taper Lock holes to hold a wide range of bits. Small bits can be held upright on one side and the organizer holds mid-to-long bits sideways on the other side. The Bit Boss fits up to 90 bits, holds three 3/8" chucks, accommodates a wide variety of bit tools and features both a portable tray with a secure fit and a push-button release to remove individual rails.

➔ For more information visit VehicleServicePros.com/20845268



Available in black, blue or red

The **Homak 56" H2Pro Roller Cabinet** offers 6" by 2" roller bearing casters with a 550-lb capacity per caster. This cabinet also offers

a high security tubular locking system, full length aluminum drawer pull and replaceable ball-bearing drawer slides. The H2Pro Roller Cabinet is available in Black, Blue or Red.

➔ For more information visit VehicleServicePros.com/20984413



Remote locking system

A fundamental benefit of a quality toolbox is security. Professional tools are an investment that deserves to be protected. Most technicians lock and unlock their toolboxes multiple times a day. For added convenience and peace of mind, **Mac Tools** introduces the **M-Lock** key fob remote locking system. M-Lock is available on premier Macimizer workstations from Mac Tools. The unique flashing LED indicator confirms the user's selection to lock or unlock the box. The locking components are securely housed within the toolbox, and operate on standard replaceable batteries, offering freedom from external power sources. A traditional key can still operate the lock if necessary.

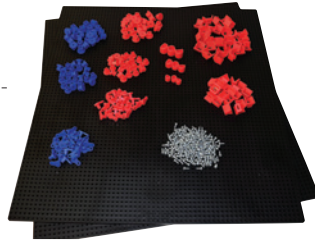
➔ For more information visit VehicleServicePros.com/20990485

Tool Storage Solutions

Arrange and rearrange for fast work

Matco Tools' toolbox drawer organization kits are a completely customizable solution engineered to maximize efficiency and profitability for today's technicians. With thousands of holes on the organization boards, technicians can arrange and rearrange tools to work faster. By holding everything in its place, technicians can better protect their investments by preventing movement in the drawer, and easily see if a tool goes missing. Organization kits are available for every toolbox within the Matco Tools line – including the 4S, 5S, 6S and new Revel and RevelX toolboxes.

➔ For more information visit VehicleServicePros.com/20863240



Wide, stay-open top

The **Klein Tools Tradesman Pro Wide-Open Tool Bag**, No. 55469, offers 42 pockets in varying sizes inside and out: exterior front and back pockets for tools or small parts, mesh side pockets for tools and equipment, 33 interior pockets for tools, parts and gear and a large interior zipper pocket. The bag features a wide, stay-open top, fully molded bottom for protection from the elements and an orange interior designed to make finding tools easier. The bag has handles and a shoulder strap with extra padding for comfort while carrying.

➔ For more information visit VehicleServicePros.com/20982552



Available in 35 sizes and variations

The **Borroughs Mobile Combination Cabinets** are available in 35 different sizes and variations. These cabinets feature two locking swivel and two straight 6" casters. Progressive operation allows for smooth operating drawers. These cabinets offer a 400-lb capacity with 110 percent full extension that allows for full access to the back of drawers, and auto safety clips to prevent accidental release of drawers. All drawers feature a black, non-slip liner. There is single drawer access on the top and right side drawers, and multiple drawer access on left side drawers. The locks are keyed-alike.

➔ For more information visit VehicleServicePros.com/20979106



Features adjustable shelf rack

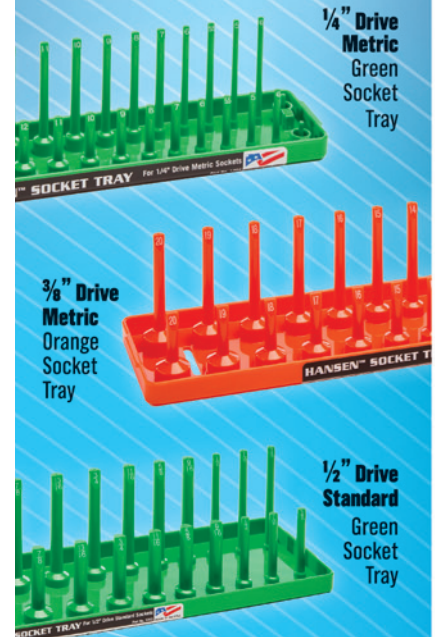
The **Extreme Tools RX Series Professional Hitches** are designed with built-in holes and slots in the adjustable shelf rack that allow users to organize screwdrivers, wrenches and more. The shelf edge was designed to hang accessories such as a power tool rack, media/electronics stand, socket holder and tool and can organizer. These hitches are available in 55" and 72" sizes, and include a powerstrip and USB ports.

➔ For more information visit VehicleServicePros.com/20976578

INNOVATIVE TOOL STORAGE

The **ORIGINAL**
Hansen
Socket
Tray

NEW
colored socket
trays from
Hansen
Global



100% made in the USA
and backed with a
lifetime guarantee



Hansen has the way to straighten out toolbox clutter and chaos. Socket trays come in six sizes, two each in 1/2", 3/8", and 1/4" drives for both SAE and Metric sockets. All trays are available in orange or green.

HANSEN
GLOBAL INC.

877-793-5213
hansenglobalinc.com

VehicleServicePros.com/10094296

Tool Storage Solutions



Store and organize TPMS service kits

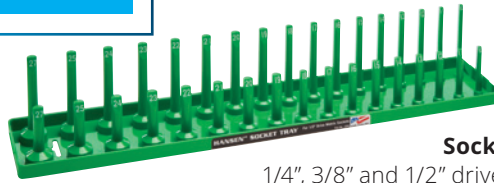
Designed specifically for the storage and organization of TPMS service kits, valves and tools, the **JohnDow Dynamic TPMS Smart Cart**, No. DY-TPMS45, consists of 45 tip-out storage bins and nine hanging storage bins mounted on a heavy duty mobile cart. This 58" tall cart is a heavy duty steel design with a durable powdercoat finish. The cart's storage capacity can be expanded using a combination of nine individual components consisting of three flip out bins, three hanging bins and horizontal rails. Other features include 3" locking casters; a compact design measuring 38" wide by 23" deep by 58" high; tip-out bins made from tough ABS plastic; and a spill-proof design to keep drawers from popping open while moving.

➔ For more information visit VehicleServicePros.com/20866858

Magnetically holds from the center of the wrench

The **E-Z Red Wrench Rac**, No. WR2400, holds up to 24 wrenches. The magnetic organizer holds any sized wrench, allowing one-handed access. It is designed to magnetically hold from the center of the wrench, unlike conventional "V-style" holders. Utilizing non-scratch, heavy duty, anodized aluminum with magnetic end caps, the Wrench Rac adheres to any steel surface and accommodates flex head and stubby wrenches in addition to standard models.

➔ For more information visit VehicleServicePros.com/20973331



Available in metric and SAE sizes

The **Hansen Global Orange and Green Socket Trays** can hold both deep and shallow

1/4", 3/8" and 1/2" drive sockets, with socket sizes printed on the tray posts for instant identification. The trays are made of tough ABS plastic with post bases beefed-up to hold sockets more securely, according to the company. These socket trays are available in metric and SAE sizes, and will be offered individually as well as in six-pack sets. Hansen Socket Trays are 100 percent made in the U.S.A. and backed with a lifetime warranty.

➔ For more information visit VehicleServicePros.com/20982441



Stainless steel slide top lid

The **Sunex Tools 3 Drawer Slide Top Service Cart**, No. 8035XT, is constructed from 1.2mm

steel providing a 500-lb load capacity. The cart measures 37" wide by 20" deep by 43" high. This cart features a stainless steel slide top lid for a durable, easy-to-open cart top, with latching drawers as well as 5" by 2" locking casters. PVC drawer liners are constructed of an anti-slip material to secure tools during transport. Protective corner bumpers help prevent damage to the cart and an integrated power strip provides three outlets and two USB ports. Available in red, black, blue, lime green and neon orange.

➔ For more information visit VehicleServicePros.com/20866859



Attaches to any steel surface

The **Killer Tools Lug Nut Caddy**, No. ART53, is designed to help technicians keep lug nuts and parts organized so they don't get lost. The caddy offers anodized aluminum construction and a low-profile design. The caddy is 12" long and 2" wide, and is designed to offer technicians easy access even while wearing gloves. The caddy features strong magnets so it can be attached to any steel surface, and recessed dimples for holding screws and nuts.

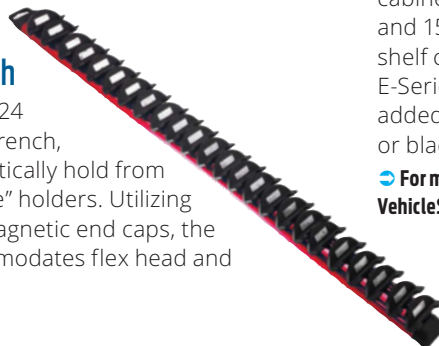
➔ For more information visit VehicleServicePros.com/20977154



Includes casters for added mobility

The **Vidmar E-Series Mobile Cabinet Line** features eight different cabinets from light and heavy duty carts to workstations designed for users who want a light duty, high-density storage option for small tools and parts. The E-Series cabinets are available in 3-, 6-, 7-, 10- and 15-drawer models, as well as open shelf cart and lift-top work surfaces. All E-Series cabinets include casters for added mobility and are available in gray or black.

➔ For more information visit VehicleServicePros.com/20984099



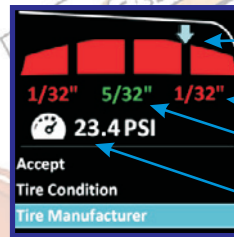
Maintain Your Fleet's Tires! Check TREAD, PRESSURE and TPMS!

Buy a TPG200 or a Tech200Pro Today and Get the Most From Your Tire Assets!



TPG 200 Tread and Pressure Tool

- ✓ Stand Alone Functionality
- ✓ Measures Tread in THREE places
- ✓ Send data to TPMS Desktop
- ✓ Works with Point of Sale
- ✓ Rechargeable battery
- ✓ Charging cradle included



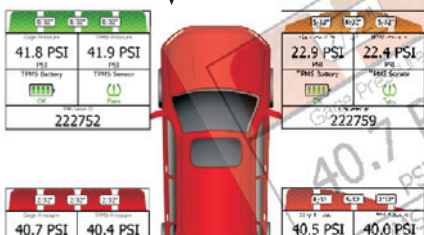
- Wear Pattern
- Remaining Tread
- Tread Color Warning
- Pressure

TECH 200 Pro

The Tire Inspection Tool That Checks The Right Boxes!

- ✓ Test TPMS Sensors
- ✓ Measure Remaining Tread
- ✓ Record Actual Gage Pressure
- ✓ Assign Physical Condition Attributes
- ✓ Digital Data Collection and Reporting
- ✓ Wireless Bluetooth Data Transmission

**BOTH TOOLS SEND
DATA WIRELESSLY
TO CREATE REPORTS
LIKE THIS!**



**BOTH TOOLS ARE BACKED
BY THE INDUSTRY'S
VERY BEST TECHNICAL
SUPPORT TEAM!**



VehicleServicePros.com/10094076

bartecusa.com



[855] 877-9732

MASSIVE POWER.



ULTRASAFE[®] LITHIUM
JUMP STARTER.

GB500 **12V/24V**

For **Gas** & **Diesel** Engines Class 8+/CE
High-Displacement Vehicles, Equipment and More.

The NOCO Genius BOOST MAX is the most powerful, yet compact lithium jump starter in its class. With over **20,000 peak amps** of power, it can safely jump start semi-trucks, construction equipment and much more. And at just under 20-pounds, it's the ultimate portable jump starter for any fleet manager or maintenance center.

**20,000
PEAK AMPS**



no.co

VehicleServicePros.com/12152020

NOCO[®]