

TOOLS & SHOP **EQUIPMENT**

APRIL 2021

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technician supplement

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Stocking the shop

When selecting any product for a maintenance operation, whether it is a lift, a scan tool, or a bench to store the wrench, there are a range of factors to consider.

by Tyler Fussner

Whether pneumatic or cordless, universal or job-specific, supporting a single user or the entire shop, there are tool, equipment, and storage options available suited to the needs of any maintenance operation.

The 2021 Tools & Shop Equipment supplement is packed front-to-back with the latest products. Segmented into five categories, this supplement serves to cover all the bases when selecting the tools and equipment needed to get the job done. Each section of this supplement includes buying considerations to keep in mind when stocking the shop. Tailored to each category, these considerations can help guide purchasing decisions and assure that all aspects of potential applications are considered.

The supplement also features product reviews from independent technicians. Take it from the pros as to the benefits and challenges faced when bringing a new tool into the maintenance bay. To read the reviews in their entirety, visit the URL listed below each one. You can also enter the URLs listed below each product in the supplement to view a more in-depth description and access information about the company.

Diagnostic Tools

It goes without saying that today's vehicles are more complex than those before. However, as vehicles have advanced, so has the technology available to the technician. **Diagnostic Tools** contains feature-rich tools and equipment to assist in pinpointing vehicle errors.

Power Tools

Whether it's the demand of the application, or the preference of the technician, selecting pneumatic or electric tools is a process in which navigating the capabilities of the product is of utmost importance. **Power Tools** will guide the decision-making process by presenting specifications of some of the most crucial tools in the shop.

Hand & Specialty Tools

Any maintenance professional has asked themselves at some point, "I wonder if there is a better tool for this job?" Tool manufacturers have engineered job-specific pieces to combat such moments of inequity and provide solutions for tricky repairs. **Hand & Specialty Tools** lists the problem-solving specialty tools, as well as the latest developments in timeless hand tools.

Shop Equipment

Shop equipment purchases require diligent planning and consideration, accounting for price, size, accessibility, and application. **Shop Equipment** features an array of products from lifts and jacks to chargers, balancers, software, and more.

Tool Storage

Efficiency is key in the world of maintenance, and no other category can boost efficiency like storage solutions. **Tool Storage** provides options for shop organization and efficient operation through a myriad of products that will keep tools safe, in place, and ready to go.

WELCOME

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An introduction to the Tools & Shop Equipment supplement, brought to you by *Fleet Maintenance*.

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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



PROVIDES DETAILED SCAN REPORTS

The **Autel MaxiTPMS ITS600 Intelligent Tire Service and Diagnostic Tablet** is a touchscreen Android tablet that offers complete TPMS diagnostics and service functions. The tablet features a 5.5" color display and Bluetooth vehicle communication interface. Compatible with U.S., Asian, and European TPMS-equipped vehicles, the ITS600 offers VINscan, OBD-II relearn functionality, and onscreen relearn instructions for all vehicles.

For more information visit
FleetMaintenance.com/21164538



COMPACT, HEAVY DUTY DESIGN

The **Mastercool Turbo/Intake Diagnostic Smoke Machine with Internal Compressor**, No. 43060-TB, is designed for all turbo, intakes, exhaust, vacuum lines and vacuum components, manifolds, passenger compartment window and sunroof, headlight/tail-light fixtures, and more. It is not for EVAP testing. The unit provides the option of compressed air, inert gases, and a built-in internal compressor to inject the smoke into the system. Accessories include an inflatable intake bladder, full set of block off caps, exhaust cone, high intensity battery powered smoke illuminating flashlight, and 8 oz. smoke producing fluid.

For more information visit
FleetMaintenance.com/21161110

CAT IV 600V SAFETY RATING

The **Triplet Test Equipment True RMS Lo-Z Multimeter**, No. MM650, is waterproof and features True RMS readings to measure non-sinusoidal or noisy waveforms accurately. The multimeter offers a variety of measurement features including AC/DC voltage, AC/DC current, AC/DC μ A current, resistance, temperature, frequency, capacitance, continuity, and diode test. It also includes a backlit LCD and switch selector dial, Lo Z (impedance) mode for identifying ghost voltages, data hold, peak hold, relative mode, and a built-in flashlight. The rubberized over-molded housing provides impact and drop resistance that is also IP67 waterproof. CAT IV 600V safety rating provides superior resistance to damage from transient over-voltages.

For more information visit
FleetMaintenance.com/21158262



CAPABLE OF OE-LEVEL ANALYSIS OF 28 AUTOMOTIVE SYSTEMS

The **Topdon ArtiDiag800BT Diagnostic Tool** is capable of OE-level analysis of 28 automotive systems. It can pull ECM codes, transmission, ABS, airbag, SAS, DPF, EVAP, TPMS, BMS, EPB, and other onboard systems. The ArtiDiag800BT can diagnose wirelessly, up to 33', via Bluetooth and can provide diagnostics for oil, SAS, EPB and tire pressure reset, injector coding, SAS calibration, ABS bleeding, DPF regeneration, battery, throttle, headlight, EGR adaption, tooth learning, and sunroof initialization. It will automatically identify a vehicle's make, model, and year information and quickly match the right software at a single touch upon this scan tool. A full, clear, and accurate report is automatically generated for further analysis.

For more information visit
FleetMaintenance.com/21215023



FOR ALL VEHICLE TYPES AND POWERTRAINS

The **Pico Technology PicoScope 4425A Electric Vehicle Kit** provides measurement tools users need for high and low voltage systems. The kit provides diagnostics capability for all types of EVs and ICEs. It covers engines/motors, sensors, actuators, communications buses, NVH, and basic measurements in an easy-to-use system that includes extensive guidance for technicians.

For more information visit
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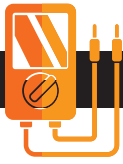
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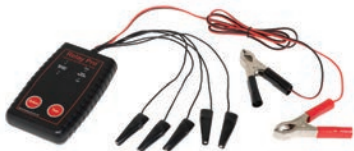
DIAGNOSTIC TOOLS



FOR HEAVY DUTY VEHICLES AND EQUIPMENT

The **Diesel Laptops Diesel Scope Digital Storage Oscilloscope Kit** is a digital storage oscilloscope (DSO) targeted towards heavy duty vehicles and equipment. The DSO allows users to see voltage readings over a period of time and presents this information as a graph. These readings can be used to diagnose electrical problems that can't typically be seen with a multimeter or a standard diagnostic tool. The Diesel Scope offers the functionality of standard Picoscope tools, but also incorporates guided diagnostic tests specifically for medium duty and heavy duty vehicles. Diesel Scope customers receive one year of free access to wiring diagrams on Diesel Repair.

For more information visit
FleetMaintenance.com/21164725



HEAVY DUTY GATOR CLIPS PROVIDE SECURE CONNECTION

The **Lisle Corporation Relay Pro 12V and 24V Relay Tester**, No. 60150, tests relays by clipping test leads onto the relay terminal pins using a 12V or 24V DC power source. It tests a range of four and five pin relays including shielded, non-shielded, and relays with different pin sizes. The tester automatically determines relay configuration, allowing the fully insulated gator clips to be connected in any order. Its 45" power leads with heavy duty gator clips provide a secure connection to the power source.

For more information visit
FleetMaintenance.com/21208068



COMPATIBLE WITH ANY SMOKE MACHINE

EasyConnect from **Redline Detection** is compatible with any smoke machine and allows technicians to hook up a smoke machine into an EVAP system for diagnostics and leak detecting on vehicles with no EVAP port connectivity. Snap the T-shaped adapters into an accessible line, then connect a smoke machine to the EVAP system. The kit comes with four different adapters, four add-on components for connection to most late model automobiles and light duty trucks, and a compact and durable storage case.

For more information visit
FleetMaintenance.com/21215021



360 DEGREE ALL-WAY ARTICULATION

The **Oasis Scientific Vividia ME-610X IPS Joystick Articulating Video Borescope** is designed for automotive and industrial inspection and diagnostics. It has a 1m long, 6mm diameter probe with 360 degree all-way articulation controlled by a joystick. The probe tip camera is made from metal alloy and sapphire glass lens with high wear resistance. The camera probe and insertion tube is waterproof IP67 rated. The ME-610X provides clear images with high illuminance LEDs. With an 8G mini SD card installed on monitor, users can take pictures and record videos. It's ideal for examining car engine cylinder blocks, valves, piston heads, nozzles, ternary catalytic converters, evaporation tanks, piping, and more.

For more information visit
FleetMaintenance.com/21212840



FOR 12V AND 24V APPLICATIONS

The **Electronic Specialties Relay Fuse Buddy**, No. 316, is a diagnostic tool that features an on/off relay bypass switch and live current meter. The tester will normally connect at the fuse panel, where most vehicle relays are found. Relay Fuse Buddy has many applications and can assist in determining whether the problem is the relay, the circuit, or the component. It can be used to turn on/off DC motors, fuel injectors, and fuel pumps, for example. Adapters are included for six of the most common types of relays, providing wide test coverage. An amp probe is not required.

For more information visit
FleetMaintenance.com/21208443



SAFE FOR EVAPORATIVE EMISSIONS SYSTEMS

The **Matco Tools Diagnostic Smoke Machine with Internal Air Compressor**, No. MDSMOKEAIR, is designed to detect, locate, and repair leaks in sealed systems. It's also safe for evaporative emissions systems. The unit uses OEM-approved fluid to produce a visual vapor. It's able to detect leaks as small as 0.010" and performs air leak decay test. Includes complete accessory kit.

For more information visit
FleetMaintenance.com/21204958

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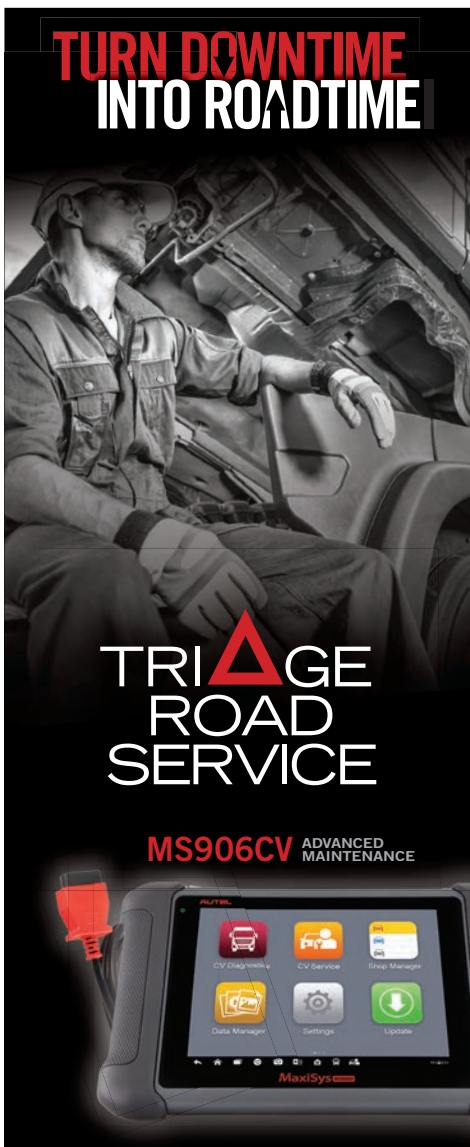
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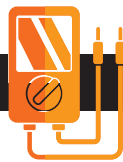
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DIAGNOSTIC TOOLS



RUNS ON SHOP AIR

The **Proflex+ Pro S-2000HD Heavy Duty Smoke Machine** is engineered for the heavy duty truck market as well as agricultural, mining, industrial, engineering, and more. It features full testing capabilities from the airbox to the exhaust system and has cabin vent testing. Test pressure from 0 to 110 psi adjustable. It runs on shop air and is nitrogen compatible. The smoke machine is lightweight and easy to use. Accessories include two H.D. Bladder Blockers, LED flashlight, halo, 16.25" long detachable battery cable, and detachable air/smoke hoses. A 52" miser wand is also included inside the box.

For more information visit
FleetMaintenance.com/21213221



**FEATURES A FAST,
TWO-SECOND BOOT UP**

The **Snap-on TRITON-D10** scan and scope tool is ideal for shop owners and general technicians that need scope functionality, intuitive diagnostic testing, and system verification from a single source for more all-around certainty, even on complex repairs. TRITON-D10 allows users to dig deep into vehicle systems and evaluates performance with comparative data, and Snap-on's Fast-Track Intelligent Diagnostics helps to streamline the diagnostic process. In addition, the tool features rugged hardware designed specifically for the shop, fast, two-second boot up, and a 10" capacitive touchscreen display.

For more information visit
FleetMaintenance.com/21210266



**FEATURES A COMPACT,
WEATHER-PROOF DESIGN**

The **IPA 5600 Alpha MUTT Trailer Tester System Series** are built for underbody and side-mount toolboxes and provide remote-control and tablet operations, troubleshooting, and digital recording of all trailer functions. Readouts and results include circuit status and faults, voltage, current and wattage, ABS diagnostics, air pressure readings, leak down tests, and more. Designed for the rigors of the service-truck work environment, each unit features anti-vibration feet and a weather-tight steel door that protects the waterproofed dual LCD screens, control panel, and integrated, wireless military-grade tablet docking station and remote-control. They can be easily installed onto a service truck and provide trailer light, air brake, and ABS diagnostics with full reporting capabilities utilizing IPA's diagnostic software app.

For more information visit
FleetMaintenance.com/21214292

**FEATURES
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COVERAGE**

The **Innova FixAssist 5160RS** features bidirectional control, reset functions, enhanced data streaming, all-system network scans, ABS and SRS, electronic parking brake retract/ABS brake bleeding, optional OBD-I coverage, and more. The 5160RS also comes with Bluetooth and Wi-Fi technology and can be paired with Innova's RepairSolutions2 diagnostic app. The tool comes with a one-year warranty.

For more information visit
FleetMaintenance.com/21162148



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CanDo HD Pro III

The reviewer appreciates the wide range of coverage provided by this tool.

by Emily Markham

THE REVIEW:

Diagnostic tools are essential for any repair shop to have, and for Sulev Oun, owner of O&K Truck Repairs Ltd. in Tonawanda, New York, the CanDo HD Pro III was a nice addition to his collection.

Oun explains he owns “quite a few scan tools” due to his technician training courses and, of course, owning a shop. But regardless of the other scan tools he has, Oun enjoys the tablet style of the



CanDo tool and how convenient it is to just grab it and “get in there.”

The Pro III’s portability and range of coverage come in handy, especially when it comes to working on commercial vehicles because there’s somebody waiting to know whether that vehicle can be scheduled and put back to work, Oun says.

PRODUCT DESCRIPTION:

The **CanDo International HD Pro III** covers Class 4-8 commercial vehicles and off-highway machinery such as mining and farming equipment. The HD Pro III is a wired Android tablet that is budget friendly. It performs bidirectional controls and change/set parameters, diagnoses hydraulic systems, and performs VGT calibrations as well as DPF reset/regeneration. The tool comes with two years of Motor’s FleetCross Service, a repair information system accessible from within the HD Pro III. Two years of software updates and all cables and connectors are also included.

The tablet comes in a sturdy case – “It’s one of those permanent cases that you want to keep your tools in all the time,” Oun says – and has a variety of cables and connectors included, as well as a manual. Oun notes that the manual was “simplified” and wasn’t overwhelming. He didn’t feel it needed anything more because the platform allows the user to start the tablet up and follow prompts from there.

To read the full review, visit [FleetMaintenance.com/21215110](https://www.fleetmaintenance.com/21215110) 📍

Cojali Jaltest CV Kit

Available OE data, ease of use, and versatility make this scan tool a must-have for fleets, according to the reviewer.

by David Brierley

THE REVIEW:

A benefit to most aftermarket scan tools is that they are designed to provide coverage for multiple OEMs. This saves shops from having to pay for individual tools and software subscriptions.

According to Jim Calabro, fleet parts manager at Buy Wise Auto Parts in Vauxhall, New Jersey, the Cojali Jaltest



CV Kit lives up to that standard, and also provides OE-specific data such as codes and operating values of most components. Not having to cross reference generic codes with OE saves technicians valuable time and improves the efficiency with which fleets can diagnose a vehicle.

Another feature the parts manager appreciates is the Jaltest CV’s wiring diagrams, which use actual photographs

PRODUCT DESCRIPTION:

The **Cojali Jaltest CV Kit** is designed to be an all makes and models diagnostic solution that includes commercial vehicle coverage. The kit offers a step-by-step troubleshooting tree that details the process to be carried out to solve the code, linking to live measurements.

instead of just conceptual schematics.

“The wiring diagrams are live data information,” Calabro explains. “They use a template that shows a standard wiring diagram, but they [also] use live pictures to help locate the parts and the components.”

Perhaps his favorite part of the Jaltest CV is how easy it is to use, Calabro says, pointing specifically to the intuitive user interface.

To read the full review, visit [FleetMaintenance.com/21215623](https://www.fleetmaintenance.com/21215623) 📍

Redline Detection SpeedSmoke

This reviewer was highly impressed with the equipment's ability to provide both high and low pressure testing for leaks.

by Emily Markham

THE REVIEW:

Finding a leak in a vehicle can be a bit like trying to find a needle in a haystack. But Lou Fort, lead technician at K.A.R.S. Inc. in Huntingburg, Indiana, knows just the tool to help technicians pinpoint a leak's location. According to Fort, Redline Detection's SpeedSmoke, No. 95-0135, is the "[quickest] way to pressure test not only any EVAP system, but also a high pressure, turbocharged [system], and a lot more."

After receiving the SpeedSmoke, Fort describes a simple setup - plugging in the light provided in the accessory kit to charge, reading through the manual, and checking to make sure the smoke fluid level was correct. After that, Fort says he just had to pick the appropriate adapters for whatever test he was performing.

Redline's SpeedSmoke comes with a variety of accessories, packaged in a nice storage case, Fort notes.

Also tucked into the accessory kit is the manual. Fort says he did read the manual before using the SpeedSmoke to prevent himself from accidentally damaging the machine. The manual includes Redline's contact information, as well as basic instructions for both high and low pressure testing, safety steps for using the

PRODUCT DESCRIPTION:

The **Redline Detection SpeedSmoke, No. 95-0135**, is designed to pinpoint leaks in sealed systems within vehicles from naturally aspirated to turbocharged, diesel, and boosted engines. The machine pinpoints EVAP leaks, intake leaks, exhaust leaks, wind and water leaks, turbo boost leaks, CAC leaks, cabin leaks, as well as leaks in faulty seals, gaskets, fittings, and more.



power intake properly, and a troubleshooting guide.

"Redline has even gone so far as to put basic operating instructions on the rear of the unit for a quick reminder or for the [users] that don't care to read the manual," Fort says.

"The SpeedSmoke has to be one of the easiest pieces of equipment to make use of," Fort says.

All the user needs to do is attach the power leads to a battery, position the test switch for either EVAP or pressure, air or vapor, and set the flow rate.

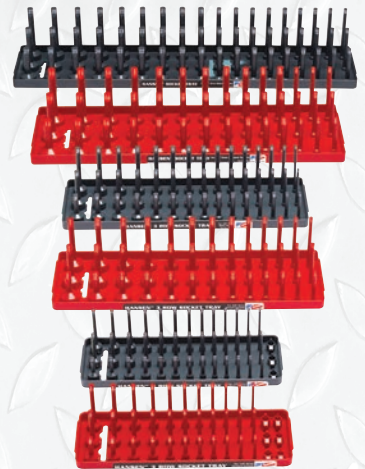
Overall, Fort was very impressed with the SpeedSmoke.

"It is a logical migration on the power smoke side of the industry to join with [Redline's] SmokeAir in offering stand-alone high-pressure testing. Redline has yet to disappoint us with [their] high-quality, ingenious tools and equipment."

To read the full review, visit FleetMaintenance.com/21214407

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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. Eight to 12V systems are more common for ratchets, lighting, and applications requiring lower rpm. Eighteen to 20V systems are most common for impact wrenches. Over 20V is 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.



INCLUDES THREE INTERCHANGEABLE NOZZLES

The **SP Tools by SP Air 12V Industrial Cordless Rivet Gun Kit**, No. SP81371, is designed to set 300 rivets in one charge. It includes three interchangeable nozzles and is able to set 1/16", 1/8", 5/32", and 3/16" (2.4mm, 3.2mm, 4.0mm, and 4.8mm) aluminum rivets. In addition, the riveter features a maximum pulling force of 1,102 lbs, has a one-hour auto shut-off charging time, and an ergonomic soft grip handle for comfortable use. The set includes the industrial riveter, 12V maximum lithium 2.0Ah battery pack, charger, and a black carrying case.

For more information visit FleetMaintenance.com/21140008



OFFERS THREE SPEED SETTINGS

The **Mac Tools 20V MAX 3" Polisher & 2" Sander** is ideal for headlight restoration and precise detail applications. Its BL-SPEC brushless motor offers maximum runtime and performance, the company says. The tool offers three speed settings (0-3,000, 0-5,000, and 0-9,000 rpm) plus a variable speed trigger to deliver maximum control while performing polishing and sanding applications. The 1/4" collet accepts a wide range of polishing and sanding accessories. The tool comes with a nine piece starter accessory set in both bare and kitted units.

For more information visit FleetMaintenance.com/21130802

GENERATES 1,400 FT-LBS OF TORQUE WITH REDUCED VIBRATION

JET's line of 3/4" and 1" **Composite Impact Wrenches** deliver power, durability, and a lightweight design in a short and well-balanced package. These tools generate 1,400 ft-lbs of torque with reduced vibration. The balance of these tools gives the user the control they want without losing the power they need to get the job done, says the company. These tools work well for large fastener break-downs and fastening, general maintenance, and general truck repairs.

For more information visit FleetMaintenance.com/21139745



OFFERS SPRING VIBRATION DAMPING TO REDUCE NOISE

The **Mueller-Kueps High Performance Air Hammer "Vibro-Impact" System**, No. EQ-290 206, is designed to loosen tight and frozen connections, as well as helps to disassemble conical seat connections, wheel bearings, bushings, rusted screw connections, and more. The air hammer features an integrated quick-chuck for changing out adapters, saving technicians time if they need to vibrate more than one part. It also offers a variable speed trigger with a maximum of 2,200 bpm to allow for greater control, and a spring vibration damping that reaches 100 dBA to reduce noise and impact on the technician's arm and hand. It also features a barrel length of 11.5".

For more information visit FleetMaintenance.com/21147725



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by AIRCAT DRIVE®

Impact Wrench Series

The new VIBROTHERM DRIVE® mechanism reduces vibration levels by 30%-40% and increases the life of the mechanism by 50%

**SUPER DUTY LOW WEIGHT
IMPACT WRENCHES**



1778-VXL
**3/4" VIBROTHERM DRIVE®
COMPOSITE IMPACT WRENCH**
Provides 1,450 ft-lb maximum torque
and 1,700 ft-lb of loosening torque



1993
**1" STRAIGHT IMPACT WRENCH
WITH 7" EXTENDED ANVIL**
Provides 2,100 ft-lb maximum torque and
2,300 ft-lb of loosening torque



1870-P
**1" SUPER DUTY COMPOSITE
PISTOL GRIP IMPACT WRENCH**
Provides 1,900 ft-lb maximum torque and
2,100 ft-lb of loosening torque



1993-1-VXL
1" STRAIGHT IMPACT WRENCH

**SUPER DUTY IMPACT WRENCHES
IDEAL FOR TIRE SHOPS**



1992
**1" STRAIGHT IMPACT WRENCH
WITH 8" EXTENDED ANVIL**
Provides 1,800 ft-lb maximum torque and
2,000 ft-lb of loosening torque



1994
**1" SUPER DUTY STRAIGHT IMPACT WRENCH
WITH 8" EXTENDED ANVIL**
Provides 2,300 ft-lb maximum torque
and 2,500 ft-lb of loosening torque



www.AIRCAT.com

FleetMaintenance.com/Inquire

PRODUCES 950 FT-LBS OF MAXIMUM TORQUE

The **AIRCAT VIBROTHERM DRIVE Composite 1/2" x 2" Extended Anvil Impact Wrench**, No. 1178-VXL-2, features a hammer mechanism that reduces vibration levels up to 40 percent and increases the life of the hammer mechanism by 50 percent, according to the company. The low weight design of 4.7 lbs produces 950 ft-lbs of maximum torque and 1,300 loosening torque and is ideal for tire service and repair, heavy duty maintenance, and off-road vehicle service. Additionally, it offers a 7,500 rpm free speed, a rubber handle grip and rubberized trigger inserts for comfort, and a friction-ring socket retainer for positive socket retention.

For more information visit FleetMaintenance.com/21148478



WORKS WITH MOST BUCKET STYLE LIFTERS

The **Goodson Tools and Supplies Bucket Lifter Grinder**, No. BLG-1000, is designed to enable the user to measure once, then remove the material from inside the bucket lifter instead of machining the stem height and finding the right VAD thickness or grinding the seat to meet their specs. The micrometer feed shows how much material is being removed. The tool works with most bucket style lifters, including with VADs. The Bucket Lifter Grinder assembly includes an air driver, CBN cutter, micrometer feed body, dial indicator, and indicator base.

For more information visit FleetMaintenance.com/21158594

2,500 FT-LBS OF TORQUE OUTPUT

Snap-on Industrial's 1" Heavy-Duty Impact Wrench, Nos. PT2500 and PT2500L, is designed to bring power to various critical industries. The 1" Heavy-Duty Impact Wrench features a powerful 2,500-ft-lbs of torque output and twin hammers for added durability. Other performance features and benefits of the impact wrench include 500-1,200 ft-lbs of working torque, 4,600 rpm, a 17-1/8" length, 3-speed forward and full power reverse, padded ergonomic side handle for comfortable use, and aluminum housing.

For more information visit FleetMaintenance.com/21204385



HAS A FREE SPEED OF 3,700 RPM

The **Ascot Supply RPG Wheel Weight Adhesive Removal Tool** features a high-torque motor that is able to cut through stubborn wheel weight adhesive, body pin-stripes, and more. It has a rubber insulated motor housing for comfortable operation and its high rpm prevents the pad from getting bogged down, resulting in inefficient use. The pad itself is made from a tough and long-lasting material that holds up after consistent use. It also includes a lock-off trigger for added safety. The tool includes one eraser pad. The tool also features a spindle size of 5/16"-24, free speed of 3,700 rpm, 90 psi, and an air inlet of 1/4" NPT and hose size of 3/8".

For more information visit FleetMaintenance.com/21149111



ATTACHES TO ANY 1/4" DRIVE

The **ProMAXX PowerDrive**, No. PMXPDT250, is a small device designed to turn any 1/4" air or electric ratchet into a powerful torque filled drill. The tool accessory attaches to any 1/4" drive and accepts threaded shank machine drill bit tooling. It comes with one .125" cobalt precision tooling bit with additional sizes available. The PowerDrive provides technicians with increased access to tight areas such as exhaust manifold repairs that fall behind the shock tower in Ford Trucks and under the firewall of GM, as well as offers more accurate and precise tolerances than traditional drill chucks, the company says. It's made from American-made steel.

For more information visit FleetMaintenance.com/21165488

EASILY ADJUST TORQUE OUTPUT WITH REGULATOR DIAL

The **Matco Tools 3/8" Stubby Push Button Impact Wrench**, No. MT2748M, features a powerful hammer mechanism, providing 600 ft-lbs torque breakaway output in a small package. Its composite housing is resistant to most automotive fluids and offers one handed operation with a rear forward/reverse push button design. It has a rear regulator dial to adjust torque output in the forward direction and a variable speed throttle for precise control in tight spaces.

For more information visit FleetMaintenance.com/21204812





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HOSE PINCH PLIERS

**#1500
3-PIECE SET**

Also available individually.



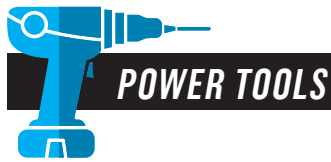
Lengths:
6", 9-3/4", and 13"

- SELF-LOCKING FEATURE HOLDS AFTER PRESSURE IS APPLIED
- SIMPLY PULL HANDLES APART TO RELEASE
- PATENTED OFFSET DESIGN ALLOWS MORE ACCESS IN HARD-TO-REACH AREAS
- IDEAL FOR RADIATOR, VACUUM, AND FUEL LINES HOSES, PLUS OTHER FLEXIBLE MATERIALS

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SUITABLE FOR BOTH RIGHT- AND LEFT-HANDED USERS



The **Hazel Twin Turbo Impact Wrench**, No. 9014 TT, is designed to provide high performance with low weight. The 9014 TT has a maximum loosening torque of 3,024 ft-lbs, determined with screw size M32. The low-vibration impact wrench in convenient gun shape is short, compact, and easy to operate. The mounting bracket that can be fitted optionally is freely adjustable for optimum handling. The tool is suitable for both right-handed and left-handed users alike. The exhaust air is guided downwards through the handle. The impact wrench is equipped with a twin hammer mechanism that is ideal for both industrial and automotive applications. A connecting socket is available for a low noise hose.

For more information visit
FleetMaintenance.com/21207734



SHEAR HEAD ROTATES 360 DEGREES

The **Makita 18V LXT Brushless Cordless Metal Shears**, Nos. XSJ03 and XSJ04, deliver 3,000 spm speed and shear heads rotate 360 degrees, without tools, for increased comfort in various cutting positions. The XSJ03 cuts up to 14-gauge mild steel and 16-gauge stainless steel. The XSJ04 cuts up to 18-gauge mild steel and 20-gauge stainless steel and is capable of radius cuts up to 3". Both feature a built-in LED to illuminate the work area, cast aluminum gear housing for less weight, and overload protection to protect the motor from burnout in abnormally high torque situations.

For more information visit
FleetMaintenance.com/21208445



HAS TOOL-FREE ADJUSTABLE GUARDS

The **Milwaukee Tool M18 FUEL 4-1/2"/>"** Grinders, Nos. 2880-20 and 2881-20, are available with paddle switch, no-lock, and slide switch lock-on options. The grinders are designed to generate 11A corded power and deliver 8,500 rpm. In addition, both grinders feature the company's proprietary Powerstate brushless motor, Redlithium battery pack, and Redlink Plus intelligence. For ease of use, the grinders include tool-free adjustable guards and accessory changes to provide quick guard installations and adjustments. FIXTEC Nut technology allows for tool-free accessory changes while remaining compatible with the most common accessories on the market today, the company says.

For more information visit
FleetMaintenance.com/21212354



MOTOR DELIVERS 5,500 BPM

The **Mighty Seven Compact Needle Scaler**, No. SN-1288, features a high-performance motor that delivers 5,500 bpm. It has a 1-1/4" stroke length and an overall weight of 2.8 lbs. Its compact design allows for easy access to confined spaces when removing surface dust, rust, paint, and weld slag. It includes 12 needles (5" long and 3mm diameter) and has a one-year warranty.

For more information visit
FleetMaintenance.com/21214286

Milwaukee Tool M18 FUEL Mid-Torque Impact Wrenches w/ Friction Ring

The reviewer appreciates this tool's reliable construction and triple LEDs for bright lighting.

THE REVIEW: By Brittany Vincent

Tool reviewer Leeroy Carpenter, diesel technician at Waste Management in Hartland, Wisconsin, finds himself thoroughly impressed by the Milwaukee Tool M18 FUEL Mid-Torque Impact Wrenches w/ Friction Ring, in terms of performance, ease of use, and reliability. He put both sizes, 1/2" and 3/8", to work in a variety of cases for testing purposes.

"With the 1/2" [wrench], I used it mainly for working with lug nuts on F-150 pickups and putting drive lines back on," Carpenter says. "I used the wrenches for pretty much whatever I was using a ratchet on."

Through using both wrenches across various vehicles and situations, Carpenter found that this set of wrenches is more powerful than another he had

borrowed from an earlier line in the past. The key improvement from one crop of tools to another? Additional power and a tri-LED setup that made an unforgettable impression.

"I liked that [the wrenches] have a lot of light in the front," Carpenter says of the LED array.

To read the full review, visit [FleetMaintenance.com/21214405](https://www.fleetmaintenance.com/21214405) 📍

PRODUCT DESCRIPTION:

The Milwaukee Tool M18 FUEL Mid-Torque Impact Wrenches w/ Friction Ring deliver up to 650 ft-lbs of nut-busting torque while weighing 5.1 lbs. Equipped with a Powerstate brushless motor, these compact impact wrenches can easily access stubborn fasteners in spaces where larger impact wrenches can't fit.



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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

HELPS REMOVE DENTS FROM PLASTIC BUMPERS

The **Polyvance Dent Driver Kit**, No. 6119, is designed to help the auto body technician remove dents from plastic bumpers. The kit includes two each of two different sized tools for a total of four tools. The ends of each tool have different shapes to help work out the knots and stretched areas often found around the perimeter of bumper dents. The variety of sharp edges, sharp points, and blunt points available on the Dent Drivers gives the technician just the right tool to conform to the task at hand, the company says. The curved, ergonomic shape of the tools fit readily in the hand to maximize their force and minimize fatigue.

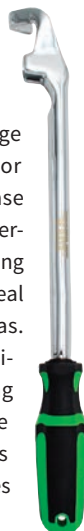
For more information visit
FleetMaintenance.com/21205539



WORKS WITH ALMOST ANY WRENCH

The **VIM Tools 15" Wrench Extender**, No. WE15, is designed to protect wrenches from damage due to users hammering them or latching them together to increase leverage. It allows for added leverage and more torque when breaking loose stubborn bolts. It's also ideal for getting to hard-to-reach areas. The handle is designed ergonomically to allow for better gripping when breaking bolts loose. The patented wrench extender works with almost any wrench and comes with a limited lifetime warranty.

For more information visit
FleetMaintenance.com/21207497



FEATURES PARALLEL FLATS TO PREVENT TABLE-TOP ROLL-OFF

The **Wiha Tools 11inOne Multi-Driver** features ergonomic cushion grip handles for comfort and control, dual durometer construction for long-lasting durability, parallel flats to prevent table-top roll-off, and offers an interchangeable bit and nut driver receiver system for multi-tool adaptivity. It includes eight essential screwdriver and three nut driver tip profiles for efficient tool carry. The driver assembly offers ideal quality tool steel with exact fit precision machined tips for reduced fastener damage. Tip profiles include: nut driver (1/4", 5/16", 3/8"), Phillips (#1, #2), slotted (1/4", 3/16"), square (#1, #2), and Torx (T20, T25).

For more information visit
FleetMaintenance.com/21210258



REQUIRES LESS FORCE TO CUT

The **Cornwell Quality Tools Upfront Cutter/Stripper** features a pliers nose for working small nuts and pulling wire. It has precision-ground stripping stations for both solid and stranded wire. The long, curved cutter requires less force to cut and has holes in its jaw for looping wire. It can be locked to protect cutting and stripping edges when stored. Simply return spring and opening stop to prevent spring from becoming disengaged. The handles are longer to offer greater leverage and have an ergonomic design. The tool is made from heat-treated steel and conforms to ASME Standard B107.500-2010. Made in U.S.A.

For more information visit
FleetMaintenance.com/21207491



IDEAL FOR LOOSENING HOSES AND NOZZLES GENTLY

The **KNIPEX Pipe and Connector Pliers Series with Plastic Inserts**, No. 81 11 250, feature dual component inserts designed for gently loosening hoses and nozzles. The materials include a soft blue outer layer and a firm red inner layer. The Pipe and Connector Pliers series offer 25 easy adjustments with a push of a button. They have a sturdy box-joint design and include a soft jaw to prevent corrosion by not allowing metal from being transferred onto the workpiece. Their rounded jaws also grab round pipes and connectors up to 3-5/32" in diameter, suitable for tightening and loosening screw connections, plastic pipe fittings, and round nuts.

For more information visit
FleetMaintenance.com/21215020

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SUPERSIZED CABLE SHEAVES



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MSRP \$16,825
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BendPak's heavy-duty truck lifts are a whole new breed of rugged. They're engineered to make light work out of heavy lifting. They work better, are built to last and feature upgrades that increase safety, durability and productivity. The four-post HDS series generously provides models with 18,000 to 40,000-lb. lifting capacities. Each lift features extra-wide runways to accommodate a wide variety of vehicle configurations.

PCL-18B-4
MSRP \$31,135
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(Set of 6)
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BendPak's mobile column lifts provide time-saving features that keep your work bays productive and profits soaring. No other system on the market matches these lifts for safety, flexibility and ease-of-use. With a lifting capacity up to 144,000 lbs. per set of eight columns, never before has a mobile lift series delivered so much power and versatility for both indoor and outdoor applications.



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HAND & SPECIALTY TOOLS



OFFERS IDEAL GRIP AND CUTTING ABILITY

The **PitBull Pliers** from **GEARWRENCH** are designed with features and functionality for technicians to use every day. The line of pliers offers 38 individual products and six sets. This complete range of options ensures professionals have the right pliers for whatever the job needs. Pliers include auto-bite tongue and groove, K9 tongue and groove, solid-joint, linesman, long-nose, universal, and diagonal. All PitBull Pliers feature a pinch-stop design to prevent blood blisters brought on by pinching handles.

For more information visit FleetMaintenance.com/21207506



FOR 6.7L CUMMINS DIESEL ENGINES

The **CTA Cummins Service Kit**, No. 7250, includes the required specialty fluid service tools for 6.7L Cummins diesel engines. It services the 2013 and up variant of the Dodge RAM 6.7L Cummins diesel 2500/3500 HD trucks. The kit includes Cummins Oil Filter Plug, No. 4334; Cummins Fuel Filter Socket, No. 7888; and Cummins Water Sensor Wrench, No. 1021.

For more information visit FleetMaintenance.com/21205538

ALLOWS FOR ONE-HANDED OPERATION

The **Matco Tools Auto-Adjustable Oil Filter Pliers**, Nos. OFAAG and OFAAM, feature an auto-adjustable jaw design that firmly grabs oil filters ranging from 60mm to 120mm (2.36" to 4.72"). The spring-loaded closing mechanism allows for one-handed operation, ideal for use in hard-to-reach areas. The pliers jaws are designed to apply even pressure across the entire filter to provide a firm grip, without crushing or tearing. The pliers are available in green and orange.

For more information visit FleetMaintenance.com/21207648



STRAIGHTENS 3/16" AND 1/4" TUBING

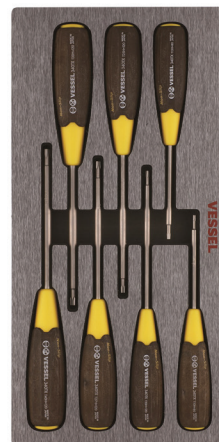
The **S.U.R.&R. Handheld Tubing Straightener**, No. TS224, is designed to straighten 3/16" and 1/4" tubing. It can be used on aluminum, copper-nickel, and steel lines. It straightens tubing with the flip of a convenient thumb-size selector, then slide the tubing through the straightener to eliminate curves or bends. It's ideal for creating long and consistently straight lines from bulk tubing coils. The TS224 can be used in a vise or on the vehicle thanks to its compact design that makes the tool easy to grip and control. The TS224 also works well with S.U.R.&R. UltraBEND flexible brake line tubing and Max Flex Alloy tubing coils or bundles.

For more information visit FleetMaintenance.com/21213977

CONFIGURABLE IN 3', 2', AND 1' LENGTHS

The **Lock Technology Radiator Rocket Coil & Line Cleaner**, No. LT886, is designed to clean cooling coils for radiators, transmission lines, oil and fuel lines, air to air after-coolers, condensers, evaporators, fluid coolers, and more. The LT886 utilizes air pressure and a broom with a removable brush head for access to constrained spaces. It can be configured in 3', 2', and 1' lengths and is able to access 1" gaps with the brush, or 0.7" gaps without the brush. A 4" air slot provides maximum air cleaning volume and pressure.

For more information visit FleetMaintenance.com/21209238



OFFERS A NON-SLIP GRIP

The **Vessel 7-pc Wood-Compo Torx Tamper-proof Screwdriver Set**, No. 3407EVA, features magnetized tips and non-slip handles, providing maximum torque output in wet or oily conditions. The handles are made from wood composite biomass material. The anti-corrosion, fully hardened blades are high wear-resistant and are fully hardened by optimum heat treatment. The set comes in an EVA foam inlay and includes T10, T15, T20, T25, T27, T30, and T40.

For more information visit FleetMaintenance.com/21210261

INNOVATIVE NEW PRODUCTS DESIGNED FOR HEAVY DUTY WORK VEHICLES

LT994 Shockit Socket O2 Sensor Removal Kit

USE YOUR AIR HAMMER TO EASILY REMOVE FROZEN AND OBSTRUCTED DIESEL NOx SENSORS!

- Air hammer powered Shockit Socket to easily access, loosen, and remove frozen and obstructed O2 sensors and diesel NOx sensors
- Works when ratchets, wrenches and regular sockets don't fit
- Includes 22mm low profile design for limited access and 22mm long profile design for deep recessed Ford®, Toyota® and Lexus® applications
- **Removes NOx sensors on Kenworth®, Cummins®, International®, Detroit and Volvo® diesel truck engines**
- Non-slip self centering air hammer angled 11" punch for limited access applications
- 18mm dual sided tap/bottoming die for O2 sensor and mounting hole threads
- Dual ear socket design for 90° rotation without repositioning socket
- Engineered to precise German DIN standards
- Additional punch sizes available - see below

Scan QR code
or search LT994
on YouTube
to see tool work!



NEW PRODUCT

AIR HAMMER POWERED HD INDUSTRIAL/HYDRAULIC SHOCKIT CROWS FOOT SETS

- Uses the force and vibration of an air hammer
- Air hammer powered punch allows for use in tight places
- Interlocking design keeps punch from slipping off crows foot
- 30% more steel, 30% stronger
- Built to precise ISO 1174-2 DIN tolerances
- Shockit Punch Kit & Individual Punches sold separately - see below
- Patent #7,677,143 and other patents pending



Scan QR code or search
LT1900 on YouTube
to see tool work!



NEW PRODUCT

LT1900 10 Piece SAE Shockit Crows Foot Set

- Loosens hydraulic fittings on tractors, forklifts and heavy equipment
- Fits into small spaces between hydraulic lines
- Packaged in custom red display tray with clear cover

SET INCLUDES

| | |
|--------|---------|
| 3/4" | 1-1/16" |
| 13/16" | 1-1/8" |
| 7/8" | 1-3/16" |
| 15/16" | 1-1/4" |
| 1" | 1-5/16" |



NEW PRODUCT

LT1910 10 Piece Metric Shockit Crows Foot Set

- Loosens hydraulic fittings on tractors, forklifts and heavy equipment
- Fits into small spaces between hydraulic lines
- Packaged in custom red display tray with clear cover

SET INCLUDES

| | |
|------|------|
| 14mm | 19mm |
| 15mm | 20mm |
| 16mm | 21mm |
| 17mm | 22mm |
| 18mm | 24mm |



LT1910PK Shockit Punch Kit

Kit includes: **LT1910PS** - 5.5" Short Punch
LT1910P - 11" Standard Punch
LT1910PL - 22" Long Punch



- Individual Punches also sold separately
- Offset design for greater access
- Non-turning slots
- Patent pending

NEW PRODUCT

LT999 SAE Thread Chaser Socket Kit

- Recondition threads on SAE high pressure male/female fittings
- Hollow end tap slides over flared end of line for easy re-threading female connector
- Allows thread reconditioning with flared tip supply line inside pressure fitting
- **Ideal for gas, AC, and liquid high pressure fittings common in heavy equipment, trucking, marine and aircraft industries**
- Compact design with pass through bored out center hole on each socket
- Easy hand operation with supplied handle
- Heat treated alloy steel

NEW PRODUCT

LT999-5
up close



INCLUDES SIZES:

| |
|----------------|
| 5/8 - 18UNF |
| 3/4 - 16UNF |
| 7/8 - 14UNF |
| 1 - 14UNF |
| 1-1/16 - 14UNF |



LT886 Radiator Rocket Coil & Line Cleaner

- Think AIR rocket powered broom/wand
- Clean cooling coils for radiators, transmission lines, oil and fuel lines
- Clean air to air aftercoolers, condensers, evaporators, fluid coolers and much more
- Can be configured in 3 foot; 2 foot; or 1 foot lengths
- **Ideal for trailer truck, dump truck, earth moving tractors, agriculture, municipal, construction and fleets**
- Eliminates need for vehicle jacks or lifts to access buried coils
- Four inch air slot for maximum air cleaning volume and pressure
- Removable brush head for access to space constrained coils
- Able to access gaps of 1" with brush, .7" without brush
- Use close-up without fear of air pressure bending fins

**RADIATOR
ROCKET**

**THIS ROCKET RUNS
ON AIR POWER!**

BRUSH HEAD UP CLOSE



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HAND & SPECIALTY TOOLS



WORKS ON MOST SPRING HOSE CLAMPS

The **Lisle Corporation Curved and Straight Hose Clamp Pliers**, Nos. 17460 and 17480, feature a cross-cut tip design to grip most hose clamps from multiple angles. A ratcheting lock mechanism holds the clamps in an open position for hands-free use. Both tools also offer dual material grips for comfort. The 17460 has an ergonomic curved design making pliers easy to use in hard-to-reach areas.

For more information visit FleetMaintenance.com/21208063



AVAILABLE BY SIZE OR AS A KIT

The **Black Diamond Valve Guide Honing System** from **Goodson Tools and Supplies** is now manufactured using CNC technology to provide accuracy and consistency. It's available for guides from .193" to .389" (4.9mm to 9.9mm). The tooling is available by size or as a kit that includes four mandrel assemblies (.271" to 3.89" range), a drive head, four nylon bristle valve guide brushes, and an 8 oz. bottle of Diamond Honing Oil.

For more information visit FleetMaintenance.com/21213970

AVAILABLE IN 1/4", 3/8", AND 1/2" SIZES

The **Milwaukee Tool Extended Handle Ratchets** are designed with features that offer accessibility for work in tighter spaces. The ratchets have a 90-tooth design delivering 4 degree of arc swing. The 4 degree of arc swing combined with a slim profile head and a flush directional lever contribute to increased accessibility. The all-chrome finish provides the ratchets with easy cleaning. They also feature longer handles, increasing leverage in applications challenged by stubborn nuts and bolts. The ratchets are available in sizes: 1/4" (No. 48-22-9005), 3/8" (No. 48-22-903), and 1/2" (No. 48-22-9050).

For more information visit FleetMaintenance.com/21212356



IDEAL FOR OIL FILTER SIZES OF UP TO 7" DIAMETER

The **Mueller-Kueps Universal Belt Wrench**, No. 551 005, allows users to tighten the strap to the size needed to loosen an oil filter without denting the filter in the process. The band is made of nylon, enabling users to also use it to hold pulleys or rolls without damaging them. The tool features a 1/2" drive and is ideal for larger trucks and equipment with a filter size of up to 7" diameter. It's recommended by Caterpillar for use on their equipment, the company says.

For more information visit FleetMaintenance.com/21215032



QUICKLY READS LEVELS OF DIESEL EXHAUST FLUID

The **EZRED DEF Hydrometer**, No. SP110, is ideal for quick, accurate, and easy-to-read level readings of diesel exhaust fluid. The DEF tester uses a proprietary method to provide accurate results and even compensates for temperature. Simply draw the DEF solution into the hydrometer, tapping away any air bubbles. If the arrow is in the 'good zone' the solution does not need to be replaced. If a longer reach is needed, users can attach the included extension hose by inserting the smaller tip into the attached hose. The SP110 is made in the U.S.A.

For more information visit FleetMaintenance.com/21207499



OFFERS SELF-LOCKING FEATURE

The **Lang Tools 3-pc Hose Pinch Pliers Set**, No. 1500, is designed with a self-locking feature that holds after pressure is applied. Simply pull the handles apart to release pressure. The set includes three sizes to accommodate various hose ranges. The small pliers have an overall closed length of 6", while the medium is 9-3/4", and the large is 13". The pliers are made from high-carbon, heat-treated, steel components, and are plated with black oxide coating and an oil dip for rust prevention. The vinyl hand grips allow for comfort and a secure grasp. The patented offset design allows access in hard-to-reach areas. They are made in the U.S.A.

For more information visit FleetMaintenance.com/21212190

Ledlenser iH11R

The reviewer appreciates this flashlight's handsfree usability.

by Emily Markham

THE REVIEW:

As a technician, properly lighting a workspace can be tricky at best, especially when both hands are needed to complete the job. Scott Brown, ASE Master Certified L1 Technician at Connie & Dick's Auto Service Center in Claremont, California, found a way around the hassle with Ledlenser's iH11R, a head-mounted flashlight that he says is "pretty doggone cool."

PRODUCT DESCRIPTION:




The **Ledlenser iH11R** is a rechargeable 1,000 lm LED headlamp. It features helmet mounting options, a magnet mount, and Bluetooth connectivity. Paired with the Ledlenser Pro Connect app, users can customize and program functions for the exact light needed. It features the Ledlenser patented Advanced Focus System which allows users to transition light from a broad flood beam to a sharply focused long-distance beam, and Optisense technology for automatic adjustment of the light.

The flashlight comes mounted to a strap that wraps around the head, but other mounting options are included for mounting the iH11R to helmets such as magnetic or glue-on mounts. Additionally, the flashlight comes with a carrying pouch that can be attached to a belt.

Brown is impressed with the iH11R's battery run-time of seven hours and the ease of recharging the light. The device's

rechargeable battery doesn't have to be removed to recharge it. Brown explains that it's as simple as plugging the charging cable into the supplied USB adaptor and connecting the other end of the cable to the magnetic mount on top of the light to charge it up.

To read the full review, visit [FleetMaintenance.com/21155272](https://www.fleetmaintenance.com/21155272)

To watch a video review, visit [FleetMaintenance.com/21143893](https://www.fleetmaintenance.com/21143893) 

GEARWRENCH Bolt Biter Lug Nut Extraction Sockets

The reviewer says the tapered entry and extra depth "makes all the difference."

by Kayla Oschmann

THE REVIEW:

When it comes to removing worn lug nuts, having one tool to do the trick is a huge time saver. For Eric Moore, fleet manager of Griffin Pavement Striping in Columbus, Ohio, the tapered entry and deep design of GEARWRENCH's Bolt Biter Lug Nut

PRODUCT DESCRIPTION:



The **GEARWRENCH Bolt Biter Lug Nut Extraction Sockets** are designed to remove worn or damaged lug nuts. The sockets feature a tapered entry that makes it easy to seat on a damaged fastener without hammering, and the minus-sized sockets are designed to grip lug nuts that are worn down substantially. The sockets also have a deep design and square drive with a hex base.

Extraction Sockets "make all the difference in the world."

"Being that the [sockets] are thin-walled means they fit inside most of your alloy wheels to get the lug nuts off," Moore says. "It's also nice that they are deeper than your average extraction sockets because then you don't have to

try to use an air hammer or a torch or anything like that because you couldn't get your extraction socket on there."

After repeated strenuous usage, the sockets held up and impressed the heavy duty fleet technician.

To read the full review, visit [FleetMaintenance.com/21213493](https://www.fleetmaintenance.com/21213493) 



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



HAS A DRIVE-THROUGH CLEARANCE OF 101"

The **Eagle Equipment 9,000 lbs Floor Plate Two-Post Lift** features an overall height of 111.5" and overall width of 134". It offers dual point lock release on both columns, chain rollers, truck adapters, and door guards. The lift's arms lock, preventing them from moving from set position for safety. The arm locks also engage automatically when carriage is raised. The drive-through clearance is 101".

For more information visit FleetMaintenance.com/21211470



INSTANTLY JUMP STARTS DIESEL ENGINES UP TO 16L

The **Vanair Start-All Jump-Pack 10,000A Li-Ion Jump Starter and Power Pack**, No. JP-12-10000, features 1332005S joules and delivers maximum battery capacity and initial starting power to start Class 8 engines on demand. It is equipped with proprietary technology for instantaneous energy transfer to the battery the moment the cables are properly connected for quick and safe operation. The unit starts a dead semi-truck and charges phones, digital cameras, tablets, laptops, and portable gaming devices with its multiple power ports.

For more information visit FleetMaintenance.com/21208241



OFFERS HOSE OPTIONS FOR SPECIFIC TEMPERATURES

The **JohnDow Industries EuroVent Fixed Motorized Hose Reel System** was developed for use with automotive vehicles, diesel trucks, heavy equipment, aircraft ventilation, military vehicles, marine applications, and municipal vehicles, among others. The system features hose options for specific temperatures, a power disconnect switch, and an UL508A listed industrial control panel. All EuroVent vehicle exhaust extraction systems are customized to each facility and its unique specifications.

For more information visit FleetMaintenance.com/21208460



AUTOMATICALLY DETERMINES THE EXACT WEIGHT NEEDED

The **Danmar MB-240X Manual Wheel Balancer** from **Bendpak** is ideal for small shops requiring precision wheel balancing at a fraction of the cost, the company says. The balancer is accurate and dependable and uses proprietary digital sensor technology to automatically determine the exact weight needed for optimal balance. It clearly displays the amount and location of weights in about six seconds. The MB-240X is easy to use. Simply rotate a large crank attached to the post mount wheel balancer's axis, observe the display information, then add the required weights to achieve balance. This manual-spin wheel balancer works on wheels up to 26" diameter and on many trailer wheels.

For more information visit FleetMaintenance.com/21210873

COMES EQUIPPED WITH TWO 12V BATTERIES

The **Quality Stainless Products LiftMate Battery Operated Tire and Wheel Lift**, No. LM-200-R2, is a battery-operated safety device with a 200-lb lift capacity. The lift allows the technician to work at a comfortable height, no need to kneel or bend over. It comes equipped with two 12V batteries and a charger/conditioner so that users can't over charge it. The lift is designed with an off-set wheel for easier access to lug nuts and wheel service equipment.

For more information visit FleetMaintenance.com/21211471





ABLE TO HANDLE LOW VOLTAGE CONDITIONS

The **Yellow Jacket SuperEvac PLUS II Vacuum Pump** is designed for use with A2L systems and features an integrated brushless DC (BLDC) motor, providing high efficiency, high torque, and a long life. The SuperEvac PLUS II is able to function in extreme low voltage conditions, including low temperatures, and is field rated to 15 microns. The easy-to-carry, lightweight design is available in 4, 6, 8, and 11 cfm models. It has a two-year warranty and is made in the U.S.A.

For more information visit FleetMaintenance.com/21211474

INCLUDES THREE SADDLE ATTACHMENTS

The **OTC 22 Ton Under Axle Jack**, No. UA22, features a self-retracting spring return with long 49.5" T-handle to let users easily position jack under vehicles with long overhangs. One pull of the handle activates the self-retracting 22-ton capacity ram. Large rubber-tired steel wheels aid in maneuverability and movement on most types of terrain. With three included saddle attachments, it has a lifting range from 8.27" to 10-2/3" using the longest saddle. The jack meets all five ASME PASE-2019 safety standards for service jacks and is an ideal size for safely lifting heavy duty vehicles.

For more information visit FleetMaintenance.com/21212195



UP TO 12 CHARGING PROFILES AVAILABLE

The **Associated Equipment Smart Charger with Inverter Technology**, No. ESS6100, is a 100A high power multifunctional charger designed to keep 12V lead or lithium batteries from 5 to 1500Ah at a stabilized voltage during the diagnostic phases. It allows users to check the battery voltage, evaluate the starting system (starter and battery), and the condition of the vehicle's alternator. With its auto detect function, once a battery is connected the charger automatically starts a charge. The charger is customizable with USB connectivity, has up to 12 charging profiles available, and offers protection against short circuits, polarity reversal, and overcharging.

For more information visit FleetMaintenance.com/21212838



FEATURES A 12-GAUGE OIL RESISTANT CORD

The **Legacy Manufacturing Flexzilla Pro 60' Retractable Extension Cord Reel**, No. FZ8120603, comes with 60' of cord, a lighted triple tap outlet, and grounded 4.5' lead-in cord. The reel utilizes a self-leveling system, which winds the cord evenly as it automatically retracts. It contains a circuit breaker with reset button, adjustable cord stopper, power indicator light, and a swivel mounting bracket. The reel locks the cord out in 2' increments. The housing is impact-resistant.

For more information visit FleetMaintenance.com/21213966



AUTO-SHUTOFF FEATURE TO CONSERVE BATTERY LIFE

The **Allstart Boost Max Jump Starter and Portable Power Unit**, No. 560, produces 15 percent more starting power than its predecessor, enough to jump start up to a 9.6L gas engine or 7.0L diesel in seconds. The 2,500A jump starter has six safety protections ensuring safe, simple starts, and a boost feature that delivers additional power needed for jump starting extremely low voltage batteries. It has internalized safety protections, allowing for longer cables to make it easier to access hard-to-reach batteries. With dual USB charging ports with a quick charge feature, the unit provides fast device recharges. It also has a multi-mode LED flashlight which includes a hard-sided case, jump start cables, A/C adapter, and charging cable.

For more information visit FleetMaintenance.com/21212192



360 DEGREE ROTATION SADDLE FOR EASY POSITIONING

The **OEMTOOLS 2 Ton Scissor Jack**, No. 24799, is engineered for lifting vehicles for tire service. The package includes a universal ratchet wrench for quick and easy lifting. The jack has a maximum load capacity of 2 tons and has a 360 degree rotation saddle for easy positioning. Made of durable steel construction, it has a 4" minimum lifting height and 16.5" maximum lifting height.

For more information visit FleetMaintenance.com/21212837



PPG AdjustRite Commercial Estimating System

An intuitive interface, efficient operation, and a polished final product make this system the reviewer's top choice when it comes to collision repair estimates.

by David Brierley

THE REVIEW:

Calculating larger collision repair estimates used to take about three hours, says Matt Berg, estimator for Transteck. Since the truck dealership group started using PPG's AdjustRite Commercial Estimating System, however, that time has been cut by about two-thirds.

"It has everything categorized by truck system," Berg explains. "Your hood is in one spot, your radiator cooling pack is in one spot, and so on and so forth. You don't have to jump around back and forth and look up your own paint times, look up your own blend times, [et cetera]."

To read the full review, visit FleetMaintenance.com/21215678

PRODUCT DESCRIPTION:

The PPG AdjustRite Commercial Estimating System is a web-based, fully mobile application driven by a comprehensive database of parts and real-time fleet repair data from commercial vehicles and equipment including: trucks, tractors, trailers, boxes, motor coaches, RVs, and buses. The PPG AdjustRite system also factors in the repair process in addition to associated parts and labor.



Rotary R544 Pro Truck 2D Wheel Balancer

The reviewer appreciates the balancer's versatility, time-saving functionality, and its company-backed support.

by Tyler Fussner

THE REVIEW:

Terry Weipert is the owner of Jack's Brake & Alignment in Davenport, Iowa. Weipert recently added Rotary's R544 Pro Truck 2D Wheel Balancer to the shop - an excellent addition to the business, he says.

Jack's Brake & Alignment serves a varied clientele, with vehicles ranging from passenger cars to trucks. This was



a major consideration when Weipert was purchasing a new balancer, and ultimately a deciding factor when it came down to selecting the R544.

PRODUCT DESCRIPTION:

The Rotary R544 Pro Truck 2D Wheel Balancer features a microprocessor with self-calibration and self-diagnostic capabilities. The R544 can raise up to 441 lbs with the integrated wheel lift and features a pneumatic wheel lock. The digital caliper with optical scanner provides 2D automatic data input of distance and diameter up to 26".

"With this particular balancer, it has the lift that helps you put [the wheel] on the spindle," Weipert says. "It saves time, just for the pure fact that a guy is not straining his back and putting [the wheel] up on the spindle."

Having a machine that can serve any vehicle that rolls into the bay is a time saver.

Weipert stresses that the machine's versatility is his favorite feature.

To read the full review, visit FleetMaintenance.com/21215147



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



ONLY 1,920 UNITS MANUFACTURED

The **Snap-on 100th Year Edition 68" EPIQ Roll Cab**, No. KETN682B3WFH, features first-time color combination of gunmetal clear coat paint with a new brushed red trim color. The unit comes with matching workcenter and lockers, and has metal medallions and graphic panels representing the company's milestone. The 12-drawer roll cab includes a bedliner PowerTop with LEDs and customizable Speedrawer for organizing loose fasteners, parts, and tools with built-in, color matching dividers. The unit also features corner gussets and standing seam construction that has additional top, bottom, and side support. Only 1,920 units manufactured.

For more information visit
FleetMaintenance.com/21132292



CUSTOM-FIT PICKUP TRUCK STORAGE BIN

The **WeatherTech Under Seat Storage System** is a custom-fit pickup truck storage bin that fits underneath the rear seat to keep the truck organized and clutter-free. The system installs quickly with no drilling or chemical adhesives, and is laser measured to custom-fit the truck's specific make and model. Made from a 100 percent recyclable and odorless thermoplastic elastomer, Under Seat Storage System is durable and chemical resistant. The built in dividers help to prevent cargo from shifting, and provides easy loading and unloading of cargo. It is made in the U.S.A.

For more information visit
FleetMaintenance.com/21134826

MAGNETS ON BOTH SIDES

The **Magnetic ToolMat** from **Master Magnetics** is designed to securely hold tools and small parts while in the workshop, garage, or on the job site, allowing the user to stay organized, work fast, and be more productive. The mat has magnets on both sides to attract to any flat or curved ferrous metal surface. It's a mobile tool rack that keeps tools and parts with the user as they work. It features reinforced grommets and a sewn-in handle for mounting options and easy carrying as well as durable synthetic leather that wipes clean easily and is resistant to damage, grease, oils, and common shop chemicals. The ToolMat is available in three sizes.



For more information visit
FleetMaintenance.com/21138289

INCLUDES A WALL RACK OPTION

The **Klein Tools Tradesman Pro Click-Lock Modular System** is designed to allow users to carry and transport tools and parts in a customizable system. Includes four tool pouch options and a wall rack option. The pouches are durable and built to be able to quickly move from the wall rack to the belt while still attaching securely.

For more information visit
FleetMaintenance.com/21134353



EVA LINERS KEEP TOOLS IN PLACE

The **OEMTOOLS 28" 7 Drawer Tool Cart**, No. 24566, provides 9,505 cu. in. of storage space. An integrated pegboard on the exterior walls provides easy access to frequently used tools and supplies. It features 5" by 2" casters and four bumpers on the edges of the cart. EVA liners keep tools and supplies in place, while a quick lock system automatically locks the drawers closed when the cart is in motion.

For more information visit
FleetMaintenance.com/21152841





INCLUDES CHARGING SHELF FOR SMALLER DEVICES

The **6 Drawer Flip Top Cart with Power Drawer** from **Cornwell Quality Tools** measures 47" wide and features a vertical power drawer with organization designed for air tools, cordless tools, and chargers. The extra-deep till measures 9" and offers a charging shelf for smaller devices like tablets and phones. Available in six colors, the cart includes black drawer pulls, corner bumpers, casters, and lock. Its overall capacity is 4,060 sq. in. / 28,960 cu. in.

For more information visit
FleetMaintenance.com/21212843

INTERIOR ORGANIZATION TRAY FOR HAND TOOLS AND ACCESSORIES



The **Milwaukee Tool**

PACKOUT XL Tool Box, No. 48-22-8429, features a 100-lb weight capacity and an extra-large depth to fit large power tools and equipment with ease. It offers modular connectivity with all PACKOUT components via integrated locking cleats and is the largest storage solution within the PACKOUT system to date. The tool-box is constructed with impact-resistant polymers and metal reinforced corners to withstand harsh jobsite conditions and an IP65 rated weather seal protects tools and accessories from rain and other jobsite debris. It includes an interior tray allowing users to keep hand tools and accessories organized to fit their needs.

For more information visit
FleetMaintenance.com/21213460



KEEPS SOCKETS AND ACCESSORIES SECURE

The **Socket Roll SAE Pro** is designed to keep sockets and accessories secure and easy to transport. It's available in three SAE versions: 1/4", 3/8", and 1/2". Each offer easy-to-read drive socket sizes for quick access. The organizers are made in the U.S.A. with military-grade elastic material that prevents premature wear and stretching while keeping tools dry and protected from fluids. The SAE Pro measures 14" by 14.5" rolled out flat and 3.5" by 14" rolled up. The organizers have 21+ socket sleeves, deep and short sizes, with additional sleeves for accessories. The base fabric is a double layered nylon with PVC backing that features a plastic insert behind each socket row for added strength and protection.

For more information visit
FleetMaintenance.com/21163040



RESISTANT TO PUNCTURES, TEARS, AND ABRASION

The **Heavy Duty Reel Covers** from **Reelcraft** are designed to withstand the rigors and abuse of daily use by protecting reels from the elements. The polyester fabric with PVC coating is proven to resist punctures, tears, and abrasion. The durable and long-lasting covers are ideal for reels applied to fuel, diesel exhaust fluid, hydraulic fluid, welding gas, welding cable, pressure wash, and more. There are six sizes to accommodate numerous applications. The covers are made in U.S.A.

For more information visit
FleetMaintenance.com/21205458



FEATURES BUMPERS TO HELP PROTECT VEHICLE

The **Mueller-Kueps Uni-Worktable**, No. EQ-350, features built-in parts dividers as well as screwdriver, wrench, and prybar holders. It has 3" heavy duty swivel casters, two of which are locking. The top tray has protective bumpers to protect the vehicle being worked on. Its height adjusts from 35.4" to 48.4", allowing clearance to work on the front end of most vehicles. The worktable has a maximum load capacity of approximately 88 lbs.

For more information visit
FleetMaintenance.com/21208067



EACH WORKBENCH HAS A 450-LB CAPACITY

Badass Workbenches at **Trick-Tools** are made in the U.S.A and feature extreme duty construction. Whether welding, grinding, cutting, or hammering, the workbenches are able to hold up to the user's needs and demands. Backed by a lifetime warranty, the three-bay, two bay, and single drawer workbenches are built with a 4" square frame and feature magnetic drawer closures and have a 450-lb capacity each. The patented drawer hinge design features a 1" solid steel hinge rod, with grease fittings for each drawer, meant for a lifetime of service.

For more information visit
FleetMaintenance.com/21146490



CUSTOMIZABLE TO FIT SPACE AND STORAGE NEEDS

The **Beta Tools Racing System C55** modular workshop combination allows users to create a modern work environment customized to fit their space and storage needs. A rationally organized transport system designed for users' tools enables users to have everything needed within reach, says the company. Customize a workspace with workbenches in 6.5', 9', and 13' lengths. Select fixed or mobile roller cabinets with two to eight drawers, or workbench legs configured for hose reels, power outlets, or waste and paper roll compartments.

For more information visit FleetMaintenance.com/21139306

HOLDS ALL STANDARD SIZED BOXES

The **Ascot Supply Magnetic Disposable Glove Dispenser** holds all standard sized boxes of disposable gloves as well as tissues. Its magnets attach to toolboxes, tool chests, or any ferrous surface. Ideal for shops, garages, or offices where access to gloves is critical. Made from a durable and lasting material.

For more information visit FleetMaintenance.com/21154549



OPTIMIZED PERSONAL PROTECTIVE EQUIPMENT STORAGE

Knaack Manufacturing expanded the **Safety Kage** industrial cabinet line with model Nos. 139-SK-02 and 139-SK-03. The Knaack Safety Kages are designed to optimize personal protective equipment storage. 139-SK-02 is designed with 32 hooks in the main compartment, ventilated doors ensure airflow, and a welded upper shelf and extra hooks on the doors. The Knaack WATCHMAN IV Lock System secures the cabinet and equipment inside. 139-SK-03 provides flexibility through its interchangeable doors that allow a customizable setup. Three different industrial cabinet configurations are available to order, but interchangeable accessory doors can be mixed and matched to provide up to 10 different arrangements.

For more information visit FleetMaintenance.com/21165937

EASY TO CLEAN

The **VIM Tools Magnetic Tool Pad**, No. MAGPADLG, is ideal for holding parts and tools conveniently while within reach when working on a vehicle. The magnetic pad is flexible and can stick to most parts of a vehicle's metal body. The material is harmless to finished surfaces. Strong neodymium magnets allow the pad to be placed even on tilted surfaces. It's made with easily cleanable PVC material with a molded TPR insert and double-stitched selvage for durability.



For more information visit FleetMaintenance.com/21207496

USED TO HOLD BATTERIES OR AS A TOOL COMPARTMENT

The **Minimizer In-Frame Tool Box**, No. 103851, is designed to fit on 27" to 28.5" frames and has clearance for the driveshaft built into the bottom of the box. It can hold up to two group 30 or group 31 batteries, or can be used as a tool compartment. According to the company, the toolbox won't rust, crack, break, or need paint. The toolbox comes exclusively in black and has a lifetime guarantee.

For more information visit FleetMaintenance.com/21144068



OFFERS UV PROTECTED POWDER COAT FINISH

The **Homak Manufacturing CTS (Centralized Tool Storage)** is an ideal solution to help technicians keep their tools – and shop – organized. The CTS is 24" deep and is constructed with 16- and 18-gauge steel. It includes 100- to 200-lb drawer slides and lift latch drawer handles. It also features a UV protected powder coat finish. The CTS is available in three bold colors and four sizes: 36", 41", 54", and 72".

For more information visit FleetMaintenance.com/21134706

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