

# MUSCLETOOLS



Electronic Diagnostics | Special Tools | Shop Equipment | A/C Tools

Q4 2015 Edition



## DIAGNOSTICS FOR LIFE

SCHEDULE AN ENCORE DEMO AT [OTCTOOLS.COM/SCHEDULE-DEMO](http://OTCTOOLS.COM/SCHEDULE-DEMO)

### DIAGNOSTICS FOR LIFE INCLUDES

#### LIFETIME WARRANTY

Your Encore is warranted for as long as you own it\*. If you keep your coverage updated, we'll keep covering your tool hardware.

#### 1 SUBSCRIPTION, MULTIPLE UPDATES

Your annual subscription with OTC covers all diagnostic updates for one year from the date of purchase. OTC regularly releases updates, downloaded automatically by the Encore, at least four times per year. Each update includes additional vehicle coverage, special tests, new fixes and more.

#### WHAT TECHNICIANS ARE SAYING

"★★★★★ This thing is so great, I could replace three tools in my shop."



#### WHAT TECHNICIANS ARE WATCHING

Check out techs working with the Encore at [youtube.com/otctoolguy](http://youtube.com/otctoolguy)

#### EXTENDED-HOURS TECH SERVICE

OTC has a dedicated Encore technical service hotline with extended hours. Monday-Friday, 8 a.m. to midnight EST or Saturdays from 8 a.m. to 4 p.m. EST. [1.888.789.2602](tel:18887892602) / [tech@otctools.com](mailto:tech@otctools.com)

#### TECHNICIAN CHALLENGE TOUR

Think you're the best diagnostic tech? Win Ultimate Diagnostics for Life. Check out the tour schedule and details at [otctools.com/technician-challenge](http://otctools.com/technician-challenge).

#### DIAGNOSTICS STRATEGIES CLINICS

Hone your diagnostic strategy with OTC trainers, covering 5-step code and 8-step symptom strategies. Request a clinic at [otctools.com/technician-challenge/request](http://otctools.com/technician-challenge/request).

### PROMOTIONS

#### Genisys Touch™ Trade-Up



Replace your old professional scan tool\* with the Genisys Touch and choose from a OTC Tech Scope, OTCTPR Tool or OTC Smart Battery Tester.

3895



3857 Tech Scope (value \$1099)



3834T TPR Tool (value \$459)



3200 Battery Tester (value \$449)

Visit [boschrebates.com](http://boschrebates.com) to participate  
\*Code readers do not qualify.  
Expires December 31, 2015

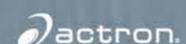
#### Seasonal \$300 Rebate



GM MDI  
Authentic General Motors MDI vehicle communication interface (VCI) for wireless J2534 reprogramming and diagnostics.

F00K10832235E

Visit [boschrebates.com](http://boschrebates.com) to participate  
\*Requires software subscription to GM SPS (Service Programming System), which must be purchased separately via the ACDelco Tech Connect website.  
Expires December 31, 2015



## Fastest code-to-fix® with a lifetime warranty

### New Bravo 2.0 software is faster and more responsive

The OTC Encore features enhanced diagnostic coverage and a lifetime hardware warranty. The mobile, Android-based system is easy to use, intuitive and fast.

#### No tool helps you fix faster than OTC Encore

- Re-engineered Bravo 2.0 software is faster, more responsive.
- First OTC tool with Bosch coverage database for European vehicles, including Mercedes-Benz, BMW and Volvo
- AutoID faster than anybody – identify most CAN vehicles in less than 5 seconds
- Read and clear codes in seconds
- Access top reported code fixes in seconds
- Extended-hours tech service days, nights and Saturdays. Call 888-789-2602.

#### 30 Years of Unmatched OE Coverage

Alert technicians to on-tool or web-based repair information including Identifix® Direct-Hit™. Full scan functionality, including OEM Domestic, Asian and European, bi-directional controls and enhanced data Perform a Google search right within a diagnostic session.

**3893**  
Encore, OBD II cable, USB cable, power adapter, and hard carrying case.

**3893-LTW**  
Encore 1-Year Subscription & Lifetime Hardware Warranty. Encore Domestic, Asian and European Software 1-year subscription kit provides a year of frequent and valuable updates for new coverage, coverage enhancements, repair information, application improvements and includes the Diagnostics for Life\* lifetime hardware warranty.

Diagnostics for Life\* lifetime hardware warranty means OTC supports your Encore for as long as you own it, as long as you update it.

The "hardware warranty" applies to the Encore scan tool tablet only. Accessories, such as cables, adapters, batteries and case remain the 90 Day factory warranty from purchase.



Check out the Encore TPMS sensor registration process here.



**3893**



**3893-LTW**

## Reset & Change Your Oil

**3596P**

### Oil Light Reset Tool and Drain Plug Pro™ Bundle

#### Oil Light Reset Tool

- The 3596J kit helps eliminate the need to take the vehicle to the dealer or use an OEM scan tool to reset oil service lights.
- Electronic tool set includes the adapters and interface module required to reset the oil service lights on Volkswagen, Audi, Mercedes Benz, BMW, and Volvo.
- The included manual details Oil Light Reset tool procedures as well as the manual reset procedures for domestic and import vehicles.
- The Oil Light Reset Tool now gives you the ability to update the tool vehicle coverage by connecting to a PC with future update kits.

#### Drain Plug Pro™

- Remove oil drain plug without dropping or touching the plug or hot oil.



## Your one-stop shop for OEM tools

### Bosch brings authentic OEM diagnostics to aftermarket again with Ford VCM II



F00E9016307HH

#### The Ford Vehicle Communication Module II (VCM II)

- Authentic OEM diagnostics for Ford, Lincoln and Mercury Vehicles.
- Customer Flight Recorder (CFR) functionality with an optional pendant cable.
- Four LED indicators and signaling device providing technician with continuous visual as well as audible operating status.
- Enhanced 802.11 wireless that minimizes dependencies on service department wireless capability infrastructure.

**F00E9016297HH\***

Includes VCM II, VCM to Laptop cable, USB wireless cards, and DLC cable.

**F00E9016307HH\***

Includes all contents of F00E9016297HH plus CFR kit.

\*Software license sold separately.

Ford and VCM II are used under license from Ford Motor Company.

**F00E9009777HH**

#### Tech 2 Pro Optima

The only authentic General Motors Tech 2 scan tool with full, dealer-level diagnostics. Includes preloaded software that doesn't expire.



**F00E901631**

#### Bosch Mastertech VCI

**Validated J2534 Flashing** – covers GM, Ford, Chrysler, Honda, Nissan, Mazda, Mitsubishi, Saab, BMW, and more to come. M-VCI is an OEM approved reprogramming device.

**Authentic OEM Dealer Level Diagnostics\*** – compatible with BMW ISTA, Saab GDS 2, GM Tech2Win, GM GDS 2, and more to come.

**F00E901632 Bosch Mastertech VCI Aftermarket Diagnostic Software** – Includes the final release of Shop Foremen Pro and ESI 2.0.

\* OEM dealer diagnostic software is purchased separately from vehicle OEM websites.

## ESI[Truck] HD Diagnostics

### UNMATCHED COVERAGE AND REPAIR INFORMATION AT THE TRUCK

The most complete diagnostic coverage for multibrand heavy-duty trucks and engines, performing special tests and parameter reset capabilities.

#### TRUCK COVERAGE

Trucks: Freightliner, International, Kenworth, Mack, Volvo, Peterbilt, Sterling, Westernstar, MD Trucks (Freightliner Sprinter Van, Isuzu, GM and Ford). Trailer ABS Controllers; Allison & Eaton Transmissions.

#### ENGINE COVERAGE

Heavy-duty engines – Caterpillar, Cummins, Detroit Diesel-MBE, Deutz, Mack, MTU, Navistar, PACCAR, Perkins and Volvo. Medium and light duty engine software included.

**3824**

#### WINDOWS 7 TABLET SCANTOOL

Includes VCI, 6 pin and 9 pin cables

#### 3824BSC

#### SCAN KIT

- Use with your shop PC
- Includes Bosch diagnostic software, VCI, 6 and 9 pin cables.

#### 3824-06

#### Bosch ESI[truck] Trailer Adapter

7-pin PLC adapter for trailer ABS diagnostics

- J2497 Power Line Carrier (PLC) communication compatible
- Allows direct connection to trailer
- Works with tractor present or without the tractor present
- External power supply is necessary without tractor
- Bosch ESI[truck] trailer ABS coverage for Bendix, Haldex, Meritor Wabco and Wabash systems

#### 3824-08

**Bosch ESI[truck] License Renewal** 12-Month Security Card



3824



3824-06



3824-08



Watch the tool used at a local shop.

## Battery Service Tools

### Test battery voltage and CCA in less than 10 seconds

Quickly test charging and starting system health without disconnecting leads

- Download the OTC3200 app from the Google Play or iTunes store. View battery test data by scanning the device QR code\*. Instructions included on testing device.
- All light duty applications - test 6V, 8V and 12V lead acid and AGM batteries
- Diagnose bad batteries faster – an internal 9V battery allows testing for deeply discharged batteries
- Share your test results – print, save or email a customer friendly color report
- Confidently recommend repairs – use your smart phone or tablet camera to embed photos into customer reports
- Sync feature sends information to all phones used in your shop so every tech can access reports by vehicle.

\*Smart devices paired with the tester must have auto-focusing rear-facing camera to meet full requirements



3200

Watch the tool used at a local shop on a 2000 Celica here:



**3183**

#### OTC Digital Battery Tester

Speed. Accuracy. Reliability. These are the cornerstones behind the technology in our digital battery testers. Test 12-volt batteries (125–1400 CCAs) and analyze by measuring multiple parameters within the battery to deliver accurate results. A live voltmeter allows easy starting/charging system testing. Its bright, 4-digit LED display indicates battery status, voltage, and available CCAs. It even compensates for cold temperatures.



**4639**

#### Battery Terminal Service Kit

This kit includes seven favorite battery tools, housed in a rugged, vinyl-coated fabric pouch. Kit includes: a heavy-duty battery terminal puller, 4-way battery post cleaner and reamer, angled battery nut pliers, GM 5/16" battery terminal ratchet wrench, extra long 5/16" terminal ratchet wrench, 10 mm battery terminal ratchet wrench, and side terminal battery brush.

**3167**

#### Battery & Electrical System Diagnostic Tester

- Digital circuitry precisely controls battery test loads to accurately determine battery conditions.
- Tests both flooded lead acid and AGM/gell cell batteries accurately—down to 1 volt state of charge.
- Tests vehicle starting and charging systems with minimal user interaction.
- Tests all 6- & 12-volt batteries with a 50-2000 CCA operating range.
- Scales: CCA, CA, AHR, MCA, JIS, DIN.
- Removable/auto-sensing leads. (3' leads included in kits, optional 10' leads available.)
- Optional amp clamps for current drain tests and starting/charging measurements.
- Includes SABRE HP 3' test leads, side-post terminal adapters, instruction manual, and molded-plastic carrying case.

## OTC Leak Tamer 30-Day Satisfaction Guarantee

It's a straight-forward guarantee. Try it for 30 days and if you're not completely satisfied, return it to your participating authorized dealer for a full refund.

**6522**

#### OTC EVAP – Leak Detection System

- Pinpoint leaks with Smoke and dye
  - UltraTraceUV® dye deposits at exact location of a leak
  - Finds leaks that smoke alone won't find
  - It's the only OEM-Approved dye solution
- Compact light weight design
- More powerful diagnostics in smaller package



## Genisys EVO® 2014 Software

3421-149

### 2014 Super Bundle Kit

- Everything needed to update a Genisys EVO
- Includes 2014 Domestic/Asian, 2013 European, and preloaded System 5.0 memory card



3421-150

### 2014 Software Loyalty Kit

- Designed for customers who already have System 4.0 and newer.
- Includes 2014 Domestic/Asian and 2013 European



3421-151

### 2014 System 5.0 4GB Memory Expansion Kit

- Pre-loaded with 2014 application software
- New applications require a separate purchase



## Nemisys 2014 Software

3774-38

### OTC Nemisys 2014 Domestic/Asian software

OEM based 2014 Domestic and Asian coverage back to 1983 for engine, body, and chassis systems. Includes the Code-Assist™ Library of experienced-based Confirmed Fixes™ from Identifix® and Data / Sensor Info repair information.



## Encore/Genisys Touch HD

3895-07

### OTC Heavy-Duty Standard

- Class 4 - 8 Heavy Duty Standard truck Coverage
- Read / erase codes and view live engine data



3895-08

### OTC Genisys Touch 12 Month Software Subscription

GenisysTouch Domestic, Asian and European Software 12 month subscription kit provides a year of frequent and valuable updates for new coverage, coverage enhancements, repair information and application improvements.



3834T

### OTC TPR Activation Tool

The OTC's TPR is a fast and simple to use stand alone TPMS activation tool!

- Lower cost kit for use with the GenisysTouch scan tool or as a stand alone tool.
- Works on vehicle TPMS sensors through 2013.
- Bright graphic display and simple navigation buttons enable vehicle selection for fast activation.
- Automatically adjusts activation output power to eliminate cross activation of near sensors.
- Tool includes a 6 month update subscription from .tpmsupdates.com



3415

### OTC CAN Test Box Breakout Box for Scan Tools

- Connects between Diagnostic Link Connector (DLC).
- Connect leads for increased diagnosis, analysis, and monitoring.

#### Useful Functions

- LEDs display signal detection – Flashing LEDs indicate ECU activity.
- Magnifies DLC – Allows monitoring of OBD II data lines.
- Monitors voltage – Displays battery voltage. – Alarm warning when voltage drops below 11.6v or rises above 15v.



3076

### OTC HD Scan with Ez-Tap

- In-shop wireless capability.
- Ez-Tap Wireless Vehicle Communication Interface (VCI) works with OEM diagnostic software.
- One wireless VCI for all your diagnostic software.
- Eliminate cables and cable replacement costs.



**\$200 or \$325 REBATE  
On GENISYS EVO®**



## PURCHASE A QUALIFYING GENISYS EVO AND RECEIVE A GIFT CARD

### GENISYS EVO MODEL GIFT CARD VALUE

|                                       |       |
|---------------------------------------|-------|
| 3874, 3874HD, 3874TPR, 3874MVCI ..... | \$325 |
| 3875.....                             | \$200 |

## HOW TO PARTICIPATE

1. REGISTER ON BOSCHREBATES.COM
2. PROVIDE A VALID SERIAL NUMBER While Supplies Last

## OBDDI TPMS TOOL WITH ACTIVATION, DIAGNOSTIC & RELEARN CAPABILITIES

3838

### Standalone TPMS Tool with Bluetooth OBD II

The OTC 3838 is both a sensor activation and diagnostic device that features a wireless OBD II module for TPMS sensor registration. The tool works with all OEM and aftermarket sensors.

- Exclusive wireless OBD-II module for TPMS sensor registration.
- Standalone TPMS tool with activation, relearn & diagnostic capabilities.
- Three years of software updates included.
- Allows for cloning of universal sensors.
- KEY FOB signal test and infrared print capabilities.



#### Graphical Interface



#### Integrated KEY FOB Test



<http://www.otctools.com/products/obdii-tpms-tool>



3418

### OTC Heavy-Duty Code Reader

- Class 4 – 8 truck coverage.
- HD J1587 / J1708 and J1939 CAN, Engine, Transmission / ABS coverage and more for diagnostic trouble codes!
- Read and clear diagnostic trouble codes.
- Provides on screen DTC definitions or heavy-duty standard codes.
- Battery powered for off vehicle use.
- Internet update capable.

#### Applications:

Tow trucks, recreational vehicles, cement trucks, dump trucks, garbage trucks, buses, step vans, municipal vehicles, refrigerated trucks, and conventional trucks.

Heavy-Duty Standard compliant construction, marine, agriculture, & industrial diesel power plant configurations!

**Includes:** 9-Pin deutsch cable, 6-Pin deutsch cable, operations manual, 3-year warranty, and soft nylon carrying case.

## Ford Cam Tools

6690

### Ford Master Cam Tool Kit

- Contains 40 tools to ensure correct cam timing when servicing timing belts, chains, head gaskets, or other valve train repairs.
- Covers L4, V6, V8, V10 engine with 2V, 3V, 4V valve configurations, model years 1991 – Present.
- Application guide with diagrams and blow molded case included.



6690-1

### Ford Cam Tool Kit Update

- Contains 18 tools, with case locations for addition of the popular 6489 Ford Cam Tools, making a 6690 Kit.
- Ford Cam Tools ensure correct cam timing when servicing timing belts, chains, head gaskets, or other valve train repairs.
- 6690-1 tools cover L4, V6, V8, V10 engines with 3V & 4V valve configurations, model years 2004 – Present.
- Application guide with diagrams and blow molded case included.



6489

### Ford Cam Tool Kit

- The OTC Ford cam tools ensure correct cam timing when servicing timing belts, chains, head gaskets, or other valve train repairs.
- Ford cam tool kit containing 22 cam tools covering
- 1992 thru 2012 for over 50 applications, in a molded storage case.



6486A

### Ford 2.0L, 2.3L, 2.5L 4V Cam Tool Set

- Ford 2.0L 4V L4 engines used in 94-12 multiple vehicle platforms.
- Ford 2.3L 4V L4 engines used in 05-08 Escape Hybrid, Mariner Hybrid.
- Ford 2.5L 4V L4 engines used in 09-12 Escape & Mariner, 10-12 Fusion & Fusion Hybrid, 11-12 MKZ.



6488

### Ford Cam Tool Kit

Ford cam tool kit for 1997 thru 2011 4.0L Explorer/ Mountaineer SOHC V6 engines. Kit contains tool Nos. 6478, 6479, 6480, 6481, 6482, 6484, 6485, and molded storage case.



6498

### Ford 4.6L & 5.4L 4V Cam Timing Kit

- Saves time; all tools required for camshaft timing are in one kit. Set Includes:
- 525216 – Camshaft positioning tool
- 525217 – Camshaft holding tool
- 525219 – Crankshaft positioning tool
- 525218 – Secondary chain tensioner tool



6680

### Ford 3.9L 4V Cam Tool Set

- The 6680 is designed to service Ford 3.9L 4V V8 engines used in 2000-2006 Lincoln LS cars.



6681

### Ford 4.6L, 5.4L, 6.8L 3V Cam Tool Set

- The 6681 is designed to service;
- Ford 4.6L 3V V8 engines used in 05-10 Mustang, 06-10 Explorer, 09 F-Series trucks.
- Ford 5.4L 3V V8 engines used in 04-12 F-Series, 05-10 Expedition, 05-12 Lincoln Navigator.
- Ford 6.8L 3V V10 engines used in 05-12 F-Series 250-350-450.



Note: Tool set covers 1 cylinder head application.

6682

### Ford 3.5L & 3.7L 4V Cam Tool Set

- Ford 3.5L 4V V6 engines used in 07-12 Edge & MKZ, 07-09 MKX, 08-12 Taurus & Taurus X & Sable, 10-12 Fusion, 10-12 MKZ & MKS & MKT, 11-12 Explorer & F150.
- Ford 3.7L 4V V6 engines used in 09-12 MKS, 10-12 MKT, 11-12 Mustang & F150 & MKZ & Edge.



6683

### Ford 1.6L 4V Cam Tool Set

- Works on Ford 1.6L 4V L4 engines used in 11-12 Fiesta.



8101

### Fluid Evacuation / Brake Bleeding Tools

- Use to bleed brake systems and remove a variety of fluid from vehicles, such as antifreeze, oil, transmission fluid, gear lube, etc.
- Quick connect locking hose adapters and ball-style on/off valve on hose prevent fluid leakage.
- Equipped with a relief valve to prevent over-pressurizing the tank.
- Operates with shop air; shipped with a brake bleeding hose and fluid evacuation hose; 6-liter capacity tank.



8104

### Vacuum Brake Bleeder

This one man brake bleeding system allows for fast and efficient vacuum brake bleeding. Universal rubber fitting holds securely on brake bleeder screw. Attach shop air and use the quick release trigger for on-demand vacuum and hands free operation. Compact size and 17 oz. (500ml) capacity.



7311A

### wPitman Arm Puller

- Designed for the toughest Pitman arm jobs.
- Adjustable and have rugged forged jaws shaped to fit the job. Two clamp bolts lock the jaws on the Pitman arm, ensuring a solid grip.
- Pitman arm puller for cars and light trucks to 3/4 ton. Max jaw spread: 2-1/8".



7011

### Ball Hone Set, 10 piece

- Ball Hones can be used for refinishing and resizing bores such as found in brake calipers, engine lifters, and u-joint yokes. Also useful for any bearing or bushing application.
- All hones are 180 grit Silicone Carbide for excellent cutting and finish.



6786

### Oil Filter Cartridge Set

- Fits today's oil filter cartridge style filter applications.
- Short socket style allows for proper clearance when removing the filter element.
- 24mm – Cadillac, BMW. • 27mm – Cadillac, Mercedes, Buick, Saturn, Saab, Smart, VW.
- 29mm – Dodge.
- 32mm – Saturn, Saab, various GM.
- 35/36mm – Ford, Mini Cooper, Mercedes, BMW, VW/Audi, Mack Truck.
- 38mm – small Diesel engine applications.

## Special Tools



4732

### Honda/Acura Crankshaft and Harmonic Balancer Holder

- Allows the crankshaft pulley and/or harmonic balancer bolt to break loose.
- Includes tool necessary to properly counter the rotation of the crankshaft pulley/harmonic balancer during removal and reinstallation of crank bolt.
- Secures the pulley in place not allowing it to rotate during removal and reinstallation of crank bolt.



### Ford Axle Shaft Seal Installers

Correctly installs the seal onto the axle shaft and into the wheel knuckle, preventing front hub vacuum leaks that would cause the 4WD to not engage.

6697

Ford Axle Shaft Seal Installer. Works on 2005-newer Ford F-250, F-350, 4X4s having the vacuum-operated front axle.

6698

Ford Axle Shaft Seal Installer. Works on 2005-newer Ford F-450, F-550, 4X4s having the vacuum-operated front axle.

## Motorcycle / ATV



4860

### Transmission & Steering Bearing Puller/Installer Kit

- This combination kit works on transmission main-shaft and steering stem bearings on HD motorcycles.
- Removes; Fork stem bearings on most applications. Flywheel bearing 00-03 XL. Removes/Installs; Inner bearing race on trans main-shaft Big twin 84 & later.
- Aftermarket trans main-shaft bearings & bushings on 5 & 6 spd. LSD and RSD trans.



4972

### Drive Clutch Holding Fixture

- For solid holding of drive clutch for spider removal when shimming for belt-to-sheave clearance or servicing spider.
- Bolt to bench or clamp in a vise.
- Contacts all webs for maximum support to eliminate clutch web damage.
- Center hold down for much greater holding stability while applying off center torque.
- Single person operation, even on the most difficult spiders.
- ATV and Ranger applications.
- Similar to Polaris No. 2871358-B.



4862

### 5 Speed Main Drive Gear Tool

- This tool set will remove and install the transmission main drive gear and install the main bearing without removing the transmission. Designed to not damage the bearing or gear during installation.
- Applications include 5 speed Big Twin and aftermarket 6 speed 1980-2006 (ex 06 Dyna and Sportster 91-05).



4847

### Twin Cam Inner Cam Bearing Remover/Installer Kit

- This kit contains the tools to remove and install inner cam bearings without damage to the crankcase.
- The bearing puller is designed to trap the needle bearings and keep them from falling into the crankcase.
- The installation tools are designed to press on the outer most diameter of the bearing, eliminating damage to the bearing, cam, or case. The press adapter will also set the bearing to its proper depth.
- Similar to HD-42325-B.



4970

### Heavy Duty Flywheel Puller

- Extremely heavy duty puller to pull the most stubborn flywheels. Includes 2 drive screws and bolts; 8mm x 1.25 x 60mm (3X), 6mm x 1.0 x 55mm (6X), 6mm x 1.0 x 50mm (6X).
- The 6 bolt capable design fits Polaris ATV, Snowmobile, Watercraft and many other makes and models.
- Similar to Polaris No. 2871043-A.



4971

### Clutch Holding Wrench

- Designed to hold the drive clutch for retainer bolt removal and torquing. For both P-85 and P-90 drive clutches on Polaris ATV & Side x Side.
- Similar to Polaris 9314177-A.



4966

### ATV Steering Knuckle/Ball Joint Separator

- For removal and installation of lower ball joints on models with pressed-in ball joints on the front strut casting found on Polaris and other Makes.
- Similar to Polaris No. 2870871.



4987

### Clutch Spider Nut Socket

- Used to remove and install the drive clutch spider jam nut on 2011 & newer Ranger RZR XP. Similar to OE P/N PU-50578.
- Similar to Polaris No. PU-50578.



4991

### Clutch Compressor Tool

- This universal compressor is used to compress the drive or driven clutch during assembly of disassembly. Innovative design makes use quick and effective without binding. Works on all Polaris and TEAM clutches found on full-sized model ATV, Side x Side, and Snowmobile.
- Similar to Polaris No. PU-50518.



4888

### Flywheel Socket Set

- The best flywheel sockets available. These offer a low profile design that provides full nut to socket contact to eliminate rounding off the nut and slippage. Made from heat-treated chrome moly steel.
- Socket fits pinion shaft nut on big twin 81-89. Size 1-1/4" with 1/2" square drive.
- Socket fits crank pin nut on big twins 54 – early 81. Size 1-5/16" with 1/2" square drive.
- Socket fits crank pin nut on Sportster 81-99 and Buell 87-99. Can also be used on top fork nut on glide forks. Size 1-3/8" with 1/2" square drive.
- Socket fits crank pin nut on big twin 83-99 single cam. Size 1-1/2" with 1/2" square drive.
- Socket fits sprocket shaft nuts on big twins 72-99 single cam. Size 1-5/8" with 3/4" square drive.



4948

### Water Pump Drive & Rotor Puller

- Installs the water pump drive gear on the rotor and removes the rotor from the crankshaft. This tool also works on RZR XP.
- Similar to Polaris No. PA-49316.



4891

### Fork Spring Compressor Kit

- Designed to install fork caps on forks with a large amount of spring pre-load. Kit includes 39mm and 41mm adapter sets, and one jackscrew.
- Application: 39mm and 41mm HD forks.



4502

### Hose Clamp Pliers Set (2 piece)

- Includes a cross-slotted jaw pliers and a wide, flat-band hose clamp pliers. Services most ring-type or flat-band hose clamps.
- The clamps are held open with a ratchet locking mechanism. Jaws swivel to access hose clamps in any position.



8260

### Hose Removal Set, 6 Piece

- Consisting of six (6) hose removal tools which consists of three (3) 10", soft-handled tools and three (3) 15", soft-handled tools, each with a hard end-cap.
- They are made of heat-treated, chrome steel with assorted tip shapes.
- Ergonomic handle design fits properly in the hand, allowing for easier holding of the tool.
- Hose removal tools can also be used on upper and lower radiator hoses, clips, washers, gaskets and other items.
- Packaged in a molded tray which can be placed in tool drawer.



4809

### One-Man Brake Bleeder Hose (Set of four)

- Removes air from brake system, one wheel at a time, and eliminates the need for an assistant.
- Hose easily attaches to bleeder screw, which holds hose in place and prevents leaking.
- Check valve on end of hose prevents air from entering brake system when pumping brake pedal.



2524

**NEW**

### Power door skin removers

Cuts through rounded door-hem edge, over body lines, and around corners to remove door skins.

- Eliminates time consuming and messy grinding.
- 20 gauge capacity in steel and other common sheet metals.
- Cuts straight and to the left for round or square auto body patches.
- Compact, lightweight, one hand operation.

**2524**

### Power Door Skin Remover Air

Compatible with most existing air set-ups.

**2525**

### Power Door Skin Remover

Use with minimum 14.4V 3/8" cordless or corded drill.

**2525RB**

Replacement Blades for 2524 & 2525



Use with minimum 14.4V 3/8" cordless or corded drill.

**2531**

### Power Shear Corrugated Metal

- Easily cuts body panels across sharper body lines as well as large and small corrugated sheet metal.
- 24 gauge capacity in steel and other common sheet metals.
- Cuts straight and to the left for round or square holes.
- Compact, lightweight, one hand operation.

**2531RB**

Replacement Blades



2526

**NEW**

### Power Hemming Tools

- Designed to efficiently hem the edges of replacement door skins with speed and precision.
- Minimum manual tacking required.
- High impact ABS polymer anvil will not scratch or mar the replacement door skin.
- 20 gauge capacity in steel and other common sheet metals.

**2526**

### Power Hemming Tool Air

Compatible with most existing air set-ups.

**2527**

### Power Hemming Tool

Use with minimum 14.4V 3/8" cordless or corded drill.

**2527RA**

Replacement Anvil for 2526 & 2527



2527



2528

**NEW**

### Power Quarter Panel Hemming Tools

- Easily bend and close wheel arc flanges on quarter panels.
- Replicates a hammer and dolly motion at high speed, with greater precision and faster results.
- Reversible hammer head allows folding of the flange and sealing of the seam.
- Hand peg provides smooth operation and controlled maneuverability.

**2528**

### Power Quarter Panel Hemming Tool Air

Compatible with most existing air set-ups.

**2529**

### Power Quarter Panel Hemming Tool

Use with minimum 14.4V 3/8" cordless or corded drill.

**2529RH**

Replacement Hammer

**2529RA**

Replacement Anvil for 2528 & 2529



2529



2535



2534

### Power shear 18

- Easily cuts body panels, wide opening jaws also navigate thick plastic bumper profiles, rocker panels, and layered material.
- 18 gauge capacity in steel and other common sheet metals.
- Cuts straight and to the left for round or square auto body patches.
- Compact, lightweight, one hand operation.

**2534**

### Power Shear 18 Air

Compatible with most existing air set-ups.

**2535**

### Power Shear 18

Use with minimum 14.4V 3/8" cordless or corded drill.

**2535RB**

Replacement Blades for 2534 & 2535



2537



2536

### Power shear 16

Heavy metal cutting performance with a 16 gauge capacity.

- The spiral foot allows for easy left, right, or straight cutting action.
- Outstanding accessibility and control at air speed.
- 5 position 0 to 90 degree adjustable head angle.
- Long life 4 sided cutting insert.

**2536**

### Power Shear 16 Air

Compatible with most existing air set-ups.

**2537**

### Power Shear 16

Use with minimum 14.4V 3/8" cordless or corded drill.

**2537RB**

Replacement Blades for 2536 & 2537

## OTC NEW Synthetic Body Tools



**2470**

### Spot Weld Breaker

- Use with hammer to slice through panels after spot welds have been drilled.



**2471**

### Trim & Bezel Tool

- Trim panel pry tool - non-marring tool for many interior trim and bezel pieces.



**2472**

### Window Trim and Molding Remover

- Perfect for removal of fragile trim pieces like chrome window trim.



**2473**

### Half Round Bumping Tool

- Designed to reshape rounded metal profiles
- Good performance in confined areas.



**2474**

### Heavy Duty Profile Straightening Tool

- Designed to reshape straight profiles with minimal deflection



**2475**

### Round Body Anvil

- Use on rounded surfaces.
- Rounded Chisel end to reshape small diameter round profiles.
- Wide striking area for accurate strikes.



**2476**

### Curved and Flat Dolly

- Designed for both curved and straight area shaping.



**2477**

### Edge Straightener

- Use to straighten edges.
- Wide profile enhances professional finish.
- Perfect for doors, fenders and hoods.



**2478**

### Extended Reach Bumping Tool

- Designed for use on hard to reach areas such as door skins, panels, hood and deck lids.



**2479**

### 30mm Trim Wedge

- For safe removal of body trim safely - without damage.



**2480**

### 60mm Trim Wedge

- For safe removal of body trim - wider profile for larger pieces.



**2491**

### Stepped Lever Wedge

- Designed to assist alignment of doors and glass

**2481**

### Blind Panel Removal Wedge

- Designed to reach inside panel release points for blind removal support.



**2482**

### 120mm x 30mm Pick Hammer

- Synthetic hammers designed by body repair pros for precise and effective working, ease of use.

**2483**

### 140mm x 40mm Pick Hammer

- Two - sizes for a variety of application



**2484**

### 160mm x 40mm Finishing Hammer

- Use directly on body panel, or in conjunction with other repair tools.



**2485**

### 3 Pc Bumping Tool Set

- Door Aligner, Center Punch and Straightener - Available individually.



**2487**

### Combination Wedge Pry Tool

- Designed to safely pry plastic automotive pin style fasteners.



**2488**

### Pinch seam straightener

- Designed to realign, and straighten pinch seams.



**2490**

### Universal Hook

- Dual purpose hooking / prying tool.
- Designed to safely pry small bezel components from interiors without damage.



**2489-8**

### Single Spotweld Carbide Drill Bit

- High Speed Steel construction specially treated to maintain sharpness.
- Self Centering with 3 cutting points!
- Designed for Drilling through SpotWelds.



**2492**

### 5Pc Spotweld Carbide Drill Bit Set

- Super Hard Titanium construction - specially treated to resist dulling in hi temp environments.
- Designed for Drilling through SpotWelds.

# MUSCLETOOLS

## Wheel Service / Shop Equipment

### 28" Swing Arm Tire Changer

- **Helper Arm Device** - The bead press device and bead roller operate independently yielding more control from two points of contact.
- **2-Speed Rotating Turntable** - Allows for exact torque when needed, and only requires a 110V electric circuit
- **Large Clamping Capacity** - Maximum capacity of 28"
- **Ergonomic Control for Bead Breaking** - The hand operated bead breaker allows for easy tire/wheel demounting while minimizing operator discomfort.
- **Stable Design** - Extreme structural rigidity by virtue of the patented G-Frame design greatly reduces mount/demount head flexing which essentially eliminates damage to wheels and tires.
- **4-Point Adjustable Bead Breaker** - Performs up to 40% better than benchmark competition. This optimizes force and speed resulting in less demand for air consumption.

#### Available Models CALL FOR PRICE

|            |   |
|------------|---|
| TCE4275E   | Swing Arm Tire Changer 28" 2 Speed Electric Turntable   |
| TCE4275EH  | Swing Arm Tire Changer 28" 2 Speed Electric w/ Helper Assembly                                    |
| TCE4275EHC | Swing Arm Tire Changer 28" 2 Speed Electric Turntable w/ Ergonomic Bead Breaker & Helper Assembly |
| TCE4275AH  | Swing Arm Tire Changer 28" Air Turntable Helper Assembly  |
| TCE4275AHC | Swing Arm Tire Changer 28" Air Turntable Helper Assembly w/ Ergonomic Bead Breaker                |
| TCE4275EC  | Swing Arm Tire Changer 28" 2 Speed Electric Turntable, Ergonomic Bead Breakers                    |
| TCE4275A   | Swing Arm Tire Changer 28" Air Turntable  |
| TCE4275AC  | Swing Arm Tire Changer 28" Air Turntable w/ Ergonomic Bead Breaker                                |



## Wheel Service Promotions

### FREE Bench with Brake Lathe purchase.



Purchase a Bosch BL8922L or BL8944L and receive FREE bench.

**F00E9002177BNP**  
**F00E9002188BNP**



F00E9009877HH ships with F00E9002177BNP or F00E9002188BNP (value \$699)

Valid Oct. 1 - Dec. 31, 2015

### FREE Deep Drive Yoke (877040)



Buy OCL8850 get a FREE Deep Drive Yoke (877040)

**OCL8850YKP**



877040 ships with OCL8850YKP (value \$250)

Valid Oct. 1 - Dec. 31, 2015

## OTC New Series of Flow Meters

Unparalleled accuracy in testing hydraulic oil flow circuits for vehicles and machinery. All are protected by a durable steel case. Pressure accuracy is at +/- 1.6% of full scale. Due to their standard burst disc protection system, overpressure conditions prevent spillage of hydraulic fluid. All devices accommodate bi-directional flow and are CE marked as appropriate.

**NEW**



### 4277 50 gpm Mechanical Hydraulic Flow Meter

- Flow Accuracy to +/- 4% of full scale
- Measures flow from 4 to 54 gpm
- Pressure up to 6000 psi
- Fluid filled analog gage that dampens vibration
- Temperatures up to 230 deg F
- Reads flow in one direction
- No batteries required
- Port is 1-5/16" -12 UN JIC Male
- 12.25" x 4.125" x 4.875", weights 14.5 lbs

**NEW**



### 4278 100 gpm Digital Hydraulic Flow Meter

- Flow Accuracy to +/- 1% of indicated value
- Measures flow from 2.5 to 100 gpm
- Pressure up to 6000 psi
- Digital display for flow, temperature, analog for pressure
- Temperatures up to 250 deg F
- Reads flow in both directions, pressure on the high side of valve
- Requires 1 9V battery (included)
- Port is 1-5/16" -12UN #16 SAE ORB
- 9.45" x 7.87" x 7.87", weights 14 lbs

**NEW**



### 4285 100 gpm Digital Hydraulic Flow Test Kit

- Includes OTC 4292 Digital Readout and OTC 4291 Flow Block with Loading Valve
- Flow Accuracy to +/- 1% of indicated value
- Measures flow from 2.5 to 100 gpm
- Pressure up to 6000 psi
- Digital display for flow, temperature, analog for pressure
- Reads flow in both directions, pressure on the high side of valve
- Require 1 9V battery (included)
- Port is 1-5/16" -12UN #16 SAE ORB
- 12.99" x 12.4" x 10.24", weights 17lbs



### 5300 OTC Stinger 3-Ton Jack Pack

- This jack pack includes a 3-ton service jack (5303) with lifting range of 5-3/4" to 18-1/2" and a pair of 3-ton jack stands (5372) with a base of 8-1/4" x 7-1/2" and height range of 12" to 17-11/16".

### 2-1/4" / 3-Ton Hydraulic Service Jacks

- Flanged upper body edge increases strength to resist twisting.
- Built-in safety overload system/ prevents use beyond their rated capacity.
- Rear swivel casters, for easy maneuvering and positioning.
- These jacks have 4" saddle dia., 21" overall reach, 6-1/2" frame height, 39-1/2" handle length, and a floor space of 13-1/2" x 24-1/2".

- **5302** 2-1/4-ton capacity with a lifting range of 5" to 18".



- **5303** 3-ton capacity with a lifting range of 5-3/4" to 18-1/2".

### Bottle Jacks



**5221 20-Ton**      **5213 12-Ton**      **5213T 20-Ton**

- Base, pressure cylinder, and oil reservoir form one internal part, which results in a stronger jack.
- Piston never contacts cylinder, so pressure will be absorbed and not damage jack if vehicle tilts.
- The No. 5213T is telescopic, allowing for very low initial height with high lifting.

### 5025

### OTC DEF Refractometer

SCR & EPA 2010 EPA regulations require all diesel engines manufactured on or after January 1, 2010 to meet lowered NOx emissions standards.



### Application:

The refractometer is a portable, precision, optical instrument used for measuring the Diesel Exhaust Fluid (DEF) concentration. When a liquid sample is placed on the prism, the light passing through it is bent, and shows on the scale to indicate the DEF condition.

### 5280

### OTC Portable Diesel Particulate Filter Cleaner

- Robust design for long shop life.
- High pressure cleaning process for thorough cleaning of ash from DPF - produces 10 times the burst energy of competitive low pressure units.
- Burst Quick Check identifies if filter is too plugged for proper cleaning.
- Movable with locking wheels for placement throughout the shop.
- Computer controlled process based on OE requirements for start-to-finish cleaning without constant technician monitoring.
- Containment of hazardous ash for easy disposal.
- HEPA Filter Air Exhaust System included to exceed shop environmental air standards.
- Operates on standard 115V outlet.
- Proven to clean to over 92% efficiency.
- Third-party OEM test results using pin gauge measurement with approved OTC adapters and burst cycles. Actual results may vary.



### 5286

### OTC Portable Diesel Particulate Filter Cleaner

- The advent of the 2010 Tier 4 cleaning requirements created the need for a lighter, more portable cleaning system which can be taken into the field to clean filters at the point of service.
- Lightweight and Highly Portable - ideal cleaning system for use in the shop or on a service truck.
- Flexibility - clean DPF's from 6" to 15.5" in diameter using shop or compressed air of at least 100 PSI.
- Fully Automated Operation - once started, the cleaning process can be completed unmonitored, freeing up technician to simultaneously do other work in the shop.
- Focused Air Jet Technology™ - concentrates a precise high pressure stream of air directly into every cell.
- Maximum Efficiency - OTC's unique floating puck prevents "splash back," which maximizes the volume of air entering each cell.
- Easy Maintenance - contains no internal filters that require user maintenance and its rugged design provides maximum durability.



### 3095

### Heavy-Duty Digital DEF Tester

Ensure the proper operation of Class 7-8 trucks utilizing the SCR system with accurate Diesel Exhaust Fluid solution displayed on screen.

- Digital Display
- Displays UREA percentage
- Displays washer fluid freeze point

The OTC 3095 makes testing a simple and quick process for an operator or technician.



### OTC DPF Thermal Processing Unit

- Designed to facilitate the cleaning of filters - with high amounts of wet soot, and unburned hydrocarbons.
- Pre-programmed thermal profile controls temperature 'ramp up' and 'cool down' to reduce the risk of cracking the DPF.
- Holds temperature constant for two hours to ensure complete regeneration of filter.
- Built-in electronic safety lock prevents unauthorized opening of the door when temperatures exceed 200 degrees F.
- Large chamber accommodates various DPF sizes and shapes. Front access door allows for easy access to the thermal chamber.
- Includes "pre-treat" cycle for oil-soaked filters.



**5281**

### 4046

### Two-stage Hydraulic Pump

3-position/4-way manual valve for double-acting rams, and a 6 ft. remote control cord. Supplied with one gallon and two quarts of oil.



## Heavy Duty Equipment



### 5105B

#### 1,100 lb. Capacity High-Lift Dual Wheel Dolly

- Effortless air-powered hydraulic lift system for a variety of applications.
- 0 to 42" lifting range.
- Six-inch lateral adjustment.
- Tilt adjustment of +15° to -8° ensures easy alignment.
- Features four swivel casters, two locking, for enhanced mobility.

### 1591B

#### 10-Ton Combination Air Lift & Support Stand

- 40" removable handle and 8' air hose.
- Covered by OTC Lifetime Warranty®.

#### Specifications:

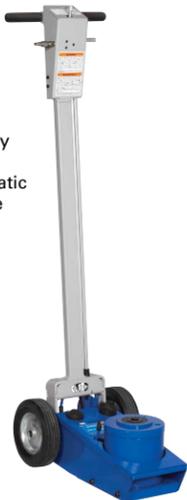
Capacity – 10 tons (at 200 PSI air).  
Stroke – 10-7/8".  
Minimum height (unpinned, no extension) – 18-1/4".  
Maximum height (pinned in top hole, with extension) – 51-1/4".



### 5292

#### 27.5-Ton Capacity Under-Axle Jack

- Features class-leading 27.5 ton capacity.
- Robust design with completely sealed piston.
- New lever design and pneumatic release valve for more precise release control.
- Power return allows lowering with no load.
- Includes two height adapters for flexibility.
- PALD compliant.
- Minimum retracted height (with saddle only): 8-1/4".
- Maximum extended height (with screw extended and large adapter): 21-3/8".
- Stroke: 4.9375".
- PSI range: 90 to 175.



### 5019A

#### 2,200 lb. Capacity Low-Lift Transmission Jack

- Special mounting adapter fits popular Eaton® Fuller® RoadRanger® transmissions used on nearly all Class 7 and 8 heavy-duty trucks. Mounting plate angle is adjusted with the turn of a wrench.
- Swiveling pump handle permits ease of operation in restricted working spaces. Fast-acting pump quickly raises lifting arm.
- Includes No. 49611 adapter for Eaton® Fuller® RoadRanger® transmissions (also available separately).

#### Specifications:

Min. height is 8-1/4"      Max. height is 36-1/2"  
Max. forward tilt – 15°      Max. backward tilt – 20°  
Max. side tilt (either side) – 12°  
Overall length – 52"      Overall width – 32-1/2"



### 1783

#### Heavy-Duty 20-Ton Capacity Adjustable Support (One only)

- Designed for the really big service jobs. Rugged steel construction, and large 15-1/2" square base will satisfy support requirements up to 40,000 lbs.
  - Features include 4-point adjustment. Height range is 15-1/4" to 24". Saddle diameter is 6".
  - Covered by OTC Lifetime Marathon Warranty®.
- Note: Recommend use in pairs.



#### 20-Ton Truck Ramps

- Long, retractable T-handle enhances mobility.
- Non-skid rubber matting prevents slippage during use.
- Durable, heavy-duty rubber wheels.
- Capacity per pair is 20 tons
- Covered by OTC Lifetime Warranty®.

**5268** – 20-ton truck ramps handle up to 10" tread width.

**5269** – Wide 20-ton truck ramps handle up to 16" tread width.

## OTC Service Jacks



### 5200

#### Ultra-Low Profile 2-Ton Service Jack

- Minimum saddle height of just 1-7/8".
- Unique, fifth-wheel design provides effortless 360° maneuverability – literally spins on a dime!
- Featuring Polyamide casters – superior to cast wheels due to their high mechanical strength and thermal properties.
- Foot pedal for quick approach of saddle to lifting point.
- Lifting range of 1-7/8" to 20-1/2".
- CE certified, PALD compliant.



#### 2- & 3-Ton Service Jack

- Ergonomic handle for user comfort & easy mobility.
- Foot pedal for quick approach of the lifting saddle to load. Built-in tray for fasteners and tools.
- CE certified, PALD compliant.
- Covered by OTC Lifetime Warranty®.

**5202** – 2-ton service jack. Min. height 3"; Max. height 18-1/4".

**5203** – 3-ton service jack. Min. height 5-1/2"; Max. height 20-1/2".



### 1572

#### Car Dolly 1,800 lbs. capacity (3,600 lbs., pair)

- Patent-pending design – clamps directly to pinch welds to prevent slippage during use.
- Independent units eliminate the need to adjust dolly width for different vehicle designs.
- Each unit has an independently adjustable threaded lift saddle with rubber pads to protect the vehicle.
- Universal design for use on all vehicle types without additional adapters.
- Provides easy movement of FWD vehicle after removal of drive train.
- The material on the 5" casters is polypropylene.
- Low height of 9" and high of 14".
- May be used with or without tires on vehicle.



#### 6,000 lb. Capacity Heavy-Duty Mobile Floor Cranes

- Three boom positions give capacities of 4,000, 5,000, and 6,000 lbs. to handle the biggest engines, and often the transmission right along with the engine! Usable reach is almost 92".
- Boom swivels for vertical and lateral positioning; legs extend to straddle the biggest tires.

**1814** – 6,000 lb. capacity crane with electric/hydraulic pump (115V) with remote motor control.

**1813** – 6,000 lb. capacity crane with two-speed hydraulic hand pump.

### 1834

#### 25-Ton Capacity Shop Presses

- Tough, economical press is ideal for pressing rear axle bearings, piston pins, and much more. Covered by OTC Lifetime Marathon Warranty®.

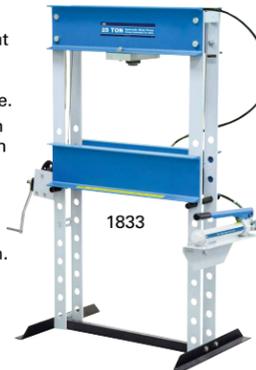
• Large 30" x 46" work area under ram makes positioning of even bulky work easy. Press bed is easily raised and lowered by a dependable lifting mechanism.



1834 includes air-driven No. 4020 hydraulic pump; No. 9652 gauge; No. 24815 tee; No. 9768 hose (1/4" ID x 8") and hydraulic ram with 6-1/4" stroke.

#### 25-Ton & 55-Ton Shop Press

- Raise and lower bed easily on this tough, economical press that is ideal for pressing rear axle bearings, piston pins, and more.
- Hand-operated winch and cable mechanism adjusts lower press bolster.
- Includes OTC No. 4002 hand pump and 6-1/4" stroke ram.



### 1833

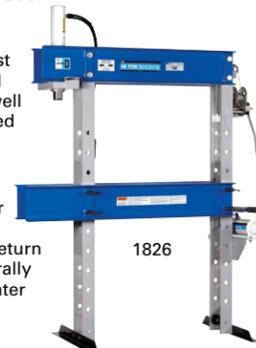
25-ton capacity press includes OTC No. 4002 hand pump and 6-1/4" stroke ram.

### 1850

55-ton capacity press includes OTC No. 4016 hand pump and 6-1/4" stroke ram.

#### 25-Ton Capacity Heavy-Duty "Open Throat" Press

- Enables ram to be positioned outside of press frame for fast axle bearing removal and installation, as well as other tasks. Rugged press is covered by OTC Lifetime Marathon Warranty®.
- Press bed is raised or lowered with a hand crank, and a spring-return hydraulic ram is laterally adjustable for off-center work at full capacity.



### 1826

25-ton capacity press includes OTC No. 4002 hand pump and 6-1/4" stroke ram.

### 1826A

25-ton capacity press Includes No. 4020 air/hydraulic pump; equipped the same as 1826.

### 1585A

#### Power Train Lift 1,250 lb. Capacity

- For easy removal and installation of engine/transaxle assemblies on FWD vehicles. Also handy for pulling rear ends, leaf springs, and more.
- Includes 4020 air/hydraulic pump.
- Your shop air supply is the only thing you need to get the precise control.
- Width between wooden support blocks is adjustable from 0-29". Load is secured with a tough nylon strap.
- Covered by OTC Lifetime Warranty®.



#### 5-Ton and 10-Ton Service Jacks

- A built-in safety overload prevents using the jack beyond its rated capacity.
- Convenient foot pedal speeds the lifting operation. Handle lock and release control are located on top of the handle. Handle can be locked into any position from vertical to horizontal.
- Both models have a spring-loaded 40" handle.

### 1505B

5-ton service jack.

### 1510B

10-ton service jack.



#### OTC Transfer Tanker

- Draining oil from a large displacement engine and getting it to your bulk storage container is a snap.
- Used oil is collected in the 15-gallon reservoir, and then rolls smoothly on 4" free-wheeling casters to your storage location.
- Pump moves five gallons a minute through the 8-foot transfer hose.
- Low profile, measures 7-1/2" from floor to top of reservoir.
- Can also be used for transferring antifreeze.

**5077A** – Transfer Tanker equipped with an electric pump (No. 528093).

**5097** – Transfer Tanker equipped with a pneumatic pump (No. 529966).



#### Slack Adjust Pullers

These pullers will yank even the most corroded slack adjuster off the S-cam – and do so in just a fraction of the time needed with "heat and beat" methods. Plus, they won't damage components. Both pullers have a rugged forcing screw and cast steel body. Puller No. 5055 fits many manual types, and the No. 5056 works on Rockwell, Haldex, Gunit, and Bendix automatic adjusters.

**5055** Manual slack adjuster puller.

**5056** Automatic slack adjuster puller.

### 1793A

#### 1,000 lb. Capacity High-Lift Transmission Jack

- Universal saddle tilts front to back and side to side; features adjustable corner brackets and safety chain for optimum positioning of the load.
- Flash-chromed rams inhibit rust from entering the hydraulic system.
- Foot-operated pump and lowering pedal for ease of control when positioning or removing a transmission.
- Wide leg base with 4" polyurethane swivel wheels that provide stability and easy maneuvering. (Brakes on two of the wheels.)
- Safety overload system to prevent jack from being used beyond its rated capacity.

#### Specifications:

Min. height is 35"  
Max. height is 71-5/8"  
Max. forward tilt – 24°  
Max. backward tilt – 19°  
Max. side tilt (either side) ± 20°  
Leg width – 37-1/8"



### Coolant Exchanger

**75700**

#### Coolant Exchanger

- Our 10 minute exchange process means no more waiting for the engine to warm up!
- Our "Engine Off" feature removes pulleys, belts, and fan blades from the safety equation.



### Econo-Clean Coolant Service Accessories

**75134**

Coolant test strips.

**75234**

3-way heavy-duty truck coolant test strips.

75234



75134

### Multi-Purpose and Coolant Fluorescent Dye

#### MULTI-PURPOSE

(engine oil, transmission) 16244, 16245

**COOLANT** 16885, 16890



**16244**

6 applications (engine oil, transmission)



**16245**

32 applications (engine oil, transmission)



**16885**

6 applications (Coolant)



**16890**

32 applications (Coolant)

### UV Leak Detection Kits

- The easiest and most accurate gun available today.
- No guesswork – a pre-measured application every time.
- One squeeze injects a pre-measure amount (1/8 oz.) of dye. No more adding too much dye.



**16234**

**16235**

**75240**

### Coolant and Battery Refractometer

Coolant scale range: 32° F/0° C to -60° F/-51° C.



## Unmatched 98.5% recovery

Robinair introduces its next innovation, the 34788NI and 34788NI-H, featuring an industry-leading 98.5% recovery efficiency for standard and hybrid vehicles and fully automatic function.



**34788NI**

### Premier R-134A Refrigerant Recovery, Recycling, and Recharging Machine

- Fully-Automatic Function: Program to recover, vacuum, leak test and charge without operating panel valves.
- Automatic Oil Drain: A display reminds you to empty the graduated container to show the amount of oil to replace.
- Oil Inject: Automatically inject oil back into the vehicle's A/C systems.
- Refrigerant & Oil Database: A/C system capacities for North American market vehicles
- Automatic Refrigerant Refill: Maintains a user-selectable amount of refrigerant in an internal vessel and signals when it's time to change supply tank, no monitoring required.
- Optional Printer.

**34788NI-H**

Electric Vehicle: Capable of servicing high voltage electric compressor A/C systems.

**92500**

### Transmission Fluid Exchanger

You can have the vehicle in and out of the service bay in less than 20 minutes! Operate through dipstick only, cooler line or a combination of the two!

- Exchange accuracy approx. +/- 1/4 qt.
- 32-qt. supply tank; 34-qt. waste tank.



**92001**

### Automatic Transmission Fluid Diagnostic Pads

Easy, quick way to test automatic transmission fluid to determine when service is necessary. Simply place a few drops of transmission fluid from transmission dipstick onto test pad. Pad will change color indicating condition of transmission fluid. Package contains 100 pads.



**TIF-7610**

### IR Thermometer PRO

- SoC (System-on-a-Chip) Technology - Complete IR design incorporated on a single chip, creating compact and lightweight design.
- Innovative optical lens - high accuracy measurements over wide temperature ranges. 10:1 distance to spot (D:S) ratios available.
- Laser pointer - Simply point at desired target and press the trigger for temperature reading.
- High/low pass filters with audible alarms for out of range measurements.
- Temperature modes - Maximum (MAX).



**22791**

### InfraRed Refrigerant Leak Detector

- Advanced infrared sensor designed to last a minimum of 10 years.
- Three sensitivity levels down to 0.15 oz./year.
- Automatically recalibrates in highly contaminated areas to help pinpoint the exact location of the leak
- Won't trigger on oil or moisture.



**TIF-9010A**

### Slimline Programmable Scale

- Completely portable refrigerant scale, battery powered, can be used with all refrigerants.
- Extreme accuracy.
- 110 lb./50 kg capacity.



**34988**

### A/C Recover, Recycle, Recharge Machine

- Recovers, recycles, evacuates, leak tests, & recharges R-134a quickly & accurately.
- Fully-Automatic Function: Program to recover, vacuum, leak test and charge without operating panel valves.
- Automatic Dye Inject: Gives the user the ability to use the machine to inject UV dye into a vehicle's A/C system.
- Automatic Oil measure & Inject: The machine automatically determines how much lubrication oil needs to be injected back into the A/C system based on how much oil was taken out during recovery.
- Optional Refrigerant & Oil Database: Includes A/C Charge and Oil Capacities for North American market vehicles.
- A/C system flush: Flushes a vehicle's A/C system with refrigerant eliminating an residual oil or other liquid.



**34288**

### A/C Recover, Recycle, Recharge Machine

- The 34288 combines simple operation with superior accuracy. It recovers, recycles, evacuates, and recharges R-134A quickly and accurately.
- Meets SAE J-2788 standards recovering 95% refrigerant and charging to +/- 1/2 oz.
- Automatic Oil Drain: A display reminds you to empty the graduated container to show the amount of oil to replace.
- Automatic Air Purge: Eliminates damaging air without monitoring gauges or opening valves.
- Displays refrigerant use and monitors remaining filter life. Prompts appear when 1/3 of filter life remains.



### Robinair Vacuum Pumps

#### VacuMaster® Single Stage Vacuum Pumps

- 15115** – 1.5 CFM Vacuum Pump.
- 15310** – 3 CFM Vacuum Pump.
- 15510** – 5 CFM Vacuum Pump.



#### VacuMaster® 2-Stage Vacuum Pumps

- 15150** – 1.5 CFM Vacuum Pump.
- 15300** – 3 CFM Vacuum Pump.
- 15500** – 5 CFM Vacuum Pump.



#### CoolTech® Vacuum Pumps

- 15434** – 4 CFM Vacuum Pump.
- 15600** – 6 CFM Vacuum Pump.



**16009**

#### DiscovR Refrigerant Identifier

- Fast and Accurate. "Pass" and "Fail" lights clearly show if refrigerant is pure enough to be recovered.

#### Product Specifications:

Refrigerant: R134a  
Input Power: 12 VDC  
Accuracy: Pass/Fail - 95% pure R134a  
Air Detection: Yes  
Approvals: SAE J1771, UL/C



**TIF-ZX**

#### Heated Pentode® Refrigerant Detector

- Heated Pentode® sensor technology
- Tri-color visual leak size indicator
- Detects all CFC, HFC, HCFC's including R-12, R-22, R-123, R-134a, R-404a, R-407a, R-408a, and R-410a.



### Robinair Manifolds

#### 2-Way Brass Manifold



**44150**

Dual R12/134a Kit



**45111**

R134a Manifold Hose Kit

#### 2-Way Aluminum Manifold



**48510 R134A**

- 90° Manual couplers
- 72" R134a Hose Set (1/2" ACME x 14mm)



**47150 R12/134A**

- 90° Manual couplers
- 72" R134a Hose Set (1/2" ACME x 14mm)
- 72" R12 Hose Set (1/2" ACME x 1/4" MFL)

#### Economy Manifolds



**48134A**

R134 brass manifold, hose set and service couplers



**49134A**

R134 aluminum manifold, hose set and service couplers

#### Refrigerant Tanks

**17121**

30 lb. tank, 1/4" fittings (25150, 25175, 25200B, 34234, 34300-2K, 34800 series).

**17506**

50 lb. tank, 1/4" fittings (17800A, 17800-2K, 17700A, 25150, 25175, 25200B series).



17121

17506