

# MUSCLETOOLS

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

Q3 2017 Edition

OTC ROBINAIR actron BOSCH

**Free 3177A  
memory saver  
with purchase  
of 3167 Sabre  
battery  
tester**



3177A



3167

See page 5

**Buy ESI[truck] (3824),  
DPF Cleaner (5280) and  
a DEF Refractometer (5025),  
get 10% rebate**



ESI[truck] (3824)



DPF Cleaner (5280)



DEF Refractometer (5025)

See page 4

**Check out  
our new  
HD line-up**

See page 4



## PROMOTIONS

New second-half tool specials. All promotions valid July 1, 2017 through Sept. 30, 2017 unless otherwise stated. Redeem at [Boschrebates.com](http://Boschrebates.com). Dated proof of purchase required. Must redeem by Oct. 31, 2017.

**Buy AC cart, redeem for FREE dust cover**

Buy an eligible AC machine and  
redeem for 17499 dust cover.



17499  
Dust Cover

Eligible A/C models:  
34288NI, 34788NI,  
34788NI-H, 34988NI,  
AC1234-4 & AC1234-6

See pages 15 & 16

**RECEIVE A FREE ACCESSORY  
WHEN YOU BUY AN OTC LIFT**



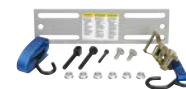
1590



5130



572913



558382



561949

**Eligible Presses**

**Free Accessory**

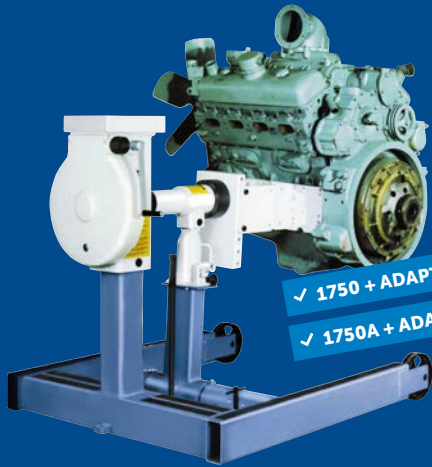
Buy 5130

558382 or 561949

Buy 1590

572913

## BUY A 1750 OR 1750A ENGINE STAND AND ADAPTER\*, GET \$150 OR \$200 REBATE



✓ 1750 + ADAPTER\* = \$150 REBATE  
 ✓ 1750A + ADAPTER\* = \$200 REBATE

For a list of eligible adapters visit [otctools.com/promotions](http://otctools.com/promotions)

See page 13 for engine stands

## RECEIVE A FREE ACCESSORY WHEN YOU BUY AN OTC PRESS



Eligible Presses	Free Accessory
Buy 1823A or 1824A	1879
Buy 1825	1880
Buy 1826 or 1826A	1881
Buy 1850 or 1851	1882

## GENISYS EVO OWNERS \$200 LOYALTY REBATE

Purchase a new 3893 Encore and receive a \$200 customer loyalty rebate. EVO turn-in not required.

\* Lifetime hardware warranty

Made in USA with globally sourced components



✓ 30+ MILLION REPAIRS  
 ✓ FIX CARS FASTER  
 ✓ LIFETIME WARRANTY\*

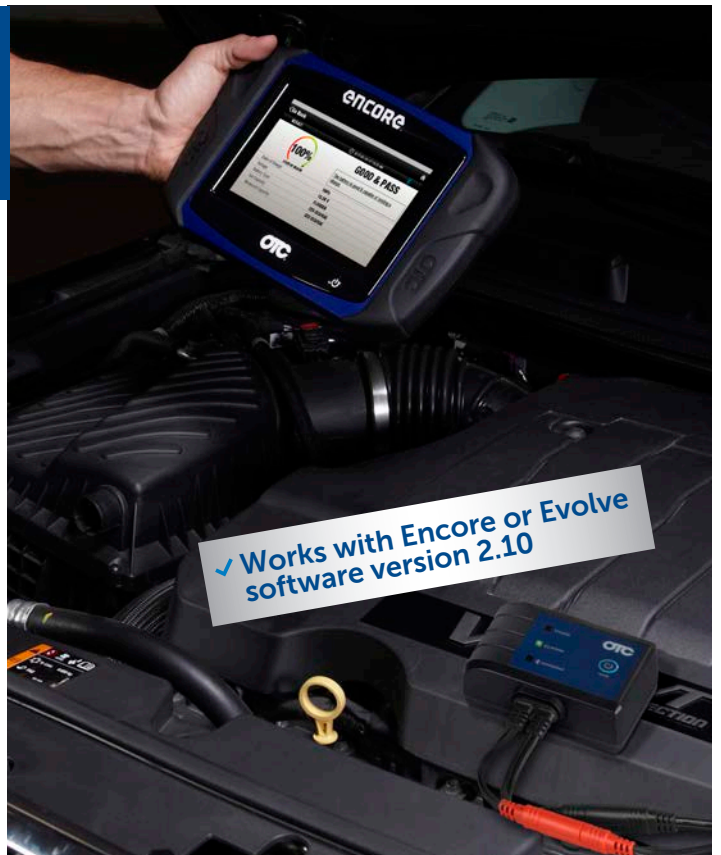
## 3914 BATTERY AND STARTING/CHARGING SYSTEMS TESTER



**NEW**

**3914**

- Test automotive batteries and create health reports
- Works on 6V and 12V automotive batteries - Regular Flooded, Enhanced Flooded, AGM, EV and Start-Stop.
- 12V/24V charging/starting systems tests
- Test charging and starting system health to diagnose charging issues
- Email test results (Stores 2,000 test records)
- Test batteries with as little as 1.5V
- 3 LED indicators (Blue: Connected, Green: Power, Red: Trouble)
- 20-inch cable with durable clamps
- Works with Encore or Evolve software version 2.10
  - 2.10 software includes a new battery and system test app
  - Communicates wirelessly to Encore & Evolve via Bluetooth



✓ Works with Encore or Evolve software version 2.10

# FIX MORE CARS FASTER

OTC DIAGNOSTICS  
POWERED BY BOSCH

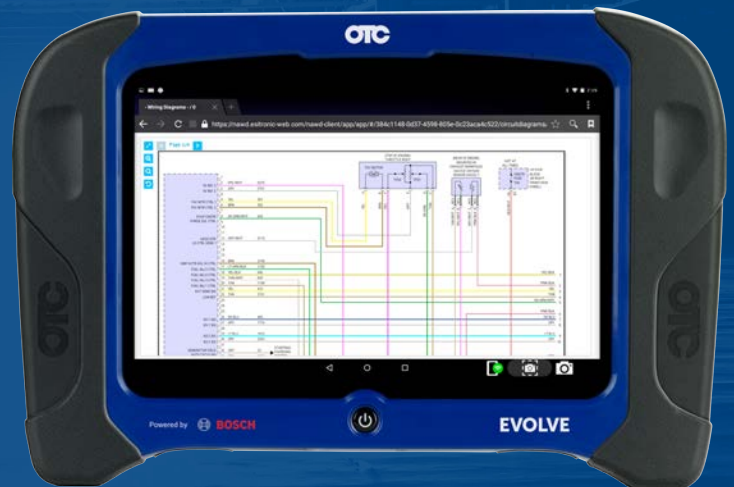


## 3893 ENCORE

*Fastest from code-to-fix*

- OE-level Domestic / Asian / European Coverage
- 30 million on-tool fixes, maintenance tests and symptom assist
- Direct link to Identifix and other tech forums
- Industry-leading light-duty diesel coverage
- 7" touch screen

Lifetime hardware warranty\*  
Made in USA with globally sourced components



## 3896 EVOLVE

*All features of the OTC Encore plus*

- **The industry's best and only tool with full-system wiring diagrams**
- Wireless, J2534 compliant VCI
- Dual-band Wi-Fi for secure connections to shop WiFi and wireless VCI
- 10.4" hi-res touch screen

Lifetime hardware warranty\*  
Made in USA with globally sourced components

**Get OTC diagnostics at [otctools.com/fix-cars](http://otctools.com/fix-cars)**

\*Lifetime warranty applies only to tool hardware as long as owner maintains an active diagnostics subscription. Details at [otctools.com](http://otctools.com).



## Industry-leading HD Coverage

- Bidirectional tests
- Engine adjustments
- Wiring diagrams
- Component information
- Electrical specs

Visit [boschdiagnostics.com/pro](http://boschdiagnostics.com/pro) to learn more.

## 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.

### REPAIR INFORMATION SUBSCRIPTION SERVICE

ESI[repair] subscription service for ESI[truck] includes 13,000 experienced based fixes. The tool includes fixes specific to trouble codes and symptoms with repair information viewed while still in diagnostic mode.



### 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 SCAN TOOL**  
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



**3824-10**  
**Bosch ESI[truck] 9 Pin Adapter Cable High Speed Comm**  
• 9-pin heavy-duty diagnostic connector  
• High-speed diagnostics communication  
• Backward compatible with older black 9-pin vehicle connectors



**3824-08**  
**Bosch ESI[truck] License Renewal**  
12-Month Security Card



**3824-08R**  
**Bosch ESI[truck] Repair Information**  
Subscription 12-Month Security Card



Watch the tool used at a local shop.

## High-pressure leak detection for heavy-duty system diagnostics & repair

**1699500000**  
**HPT 500 Features**

- Produce leak detection "smoke" at higher pressure than standard machines (up to 20psi) for higher pressure systems
- Higher flow rate fills the system with smoke up to 5 times faster
- Ideal for finding leaks in exhaust after-treatment systems
- Test entire system, from intake to exhaust, in one 15 minute test
- High-pressure and large volume systems found in heavy-duty truck & turbocharged passenger vehicles



**1699500001**  
**HPK 200 Accessory Kit for HD and Medium Duty Applications**

- Cooling system adapter
- SmokeMeister wands
- Exhaust stack retention hoop
- Power intake adapter 3.9" (2 included)
- Accessory storage case
- Halogen inspection light
- Vapor producing fluid
- Ball-end hex point L key
- Oxygen sensor port adapter
- Temperature sensor port adapter



- Pressure sensor port adapter
- Block off coupler
- Detachable 12V DC power cable
- Quick start guide

## Medium and heavy-duty diagnostics for heavy-duty and aftermarket shops

Ideal for heavy-duty shops as a second diagnostic tool and mobile repair trucks

Cost-effective solution for aftermarket shops in need of heavy-duty coverage

Heavy-duty standard coverage for medium and heavy-duty trucks

**1699200239**

**HDS 200 Features**

- Brilliant Color Display
- Rugged enclosure for durability
- Class 4 – Class 8 truck coverage featuring "Automatic Protocol Search"
- HD J1587 / J1708 and J1939 CAN, Engine, Transmission/ABS coverage and more
- Global OBD II Quick Test
- Gasoline and diesel engine coverage
- Read and clear diagnostic trouble codes
- Live vehicle data includes
  - Engine speed
  - Engine ECU temperature
  - Percent acceleration pedal position
  - Engine intercooler temperature
  - Engine coolant temperature
  - Battery voltage
  - Alternator voltage output
  - Ambient air temperature
  - Air inlet temperature
- On-screen definitions of diagnostic trouble codes



**HDS 200 Includes**  
HD Scan tool, 9 Pin Deutsch Cable, 6 Pin Deutsch Cable, 16 Pin HD/OBD II Cable, USB Cable, Quick Start Guide, Carrying Case and 1-Year Warranty.



## TPMS Service made easy with OTC

**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.



### OBD I & II SCAN TOOL

- Includes OBD I Cables for 1984-95 GM and Ford vehicles and 1989-95 Chrysler & Toyota vehicles.
- OBD I Live engine data for pre-1996 vehicles for faster vehicle diagnosis.
- CodeConnect - Over 26+ million fixes that provide the most likely fix for the issue that is both vehicle and code specific.
- ABS & Airbag Code coverage for most Domestic and Asian vehicles 1996-2013.
- Color screen
- Oil Light Reset
- Battery, Alternator and Charging System Monitor
- Battery Life Reset



**3211**

**NEW**



**3208**

### OBD II & ABS Scan Tool

- Read ABS code and definitions for most 1996-2013 GM, Ford, Chrysler, Honda, Hyundai, Nissan and Toyota vehicles.
- View live engine data.
- Read/erase hot keys.
- View all available I/M Monitors and freeze frame data.
- Automatically reads DTC's (Diagnostic Trouble Codes) when connected for fast diagnostics.
- Works on all 1996 and newer vehicles (OBD II & CAN).

## OVER 26 MILLION VERIFIED FIXES, COLOR SCREEN ADDED EUROPEAN COVERAGE & MORE!

**3210**



### OBD II, CAN, ABS & AIRBAG

**EPB BRAKE CALIPER RESETS, BRAKE BLEED TESTS, BMW BRAKE ZEROING TEST STEERING ANGLE RESETS POWERTRAIN & ABS DATASTREAM**

#### ABS COVERAGE

1996-2013 Audi, BMW, Jaguar, Land Rover, Mercedes Benz, Smart, Volkswagen, Volvo 1996-2013 GM, Ford and Chrysler

1996-2013 Toyota, Honda, Hyundai and Nissan

#### AIRBAG (SRS) COVERAGE

1996-2013 GM, Ford and Chrysler 1996-2013 Toyota, Honda, Hyundai and Nissan 1996-2013 Audi, BMW, Jaguar, Land Rover, Volkswagen, Volvo

#### ENHANCED CODE REQUEST

For GM, Ford, Chrysler, Honda, Hyundai, Nissan, Toyota, Audi, BMW, Jaguar, Land Rover, Mercedes Benz, Smart, Volkswagen, Volvo vehicles

#### BATTERY AND OIL LIGHT RESETS

Reset battery life for late model BMW, Ford F-Series trucks and Mini Coopers. Reset oil life to 100% and turn off the change oil light.

#### MPG FUEL MILEAGE CALCULATION

Displays Instant MPG, Average MPG, Elapsed Time, Distance (MI), Fuel Used (GAL) and Average Speed (MPH) with the ability to alternate between English and Metric units on screen.

#### CODECONNECT® WITH OVER 26 MILLION TOP REPORTED FIXES\*

The most probable solution to the vehicle problem that is specific to code and the vehicle year, make, model, engine.

**3209**



### Trilingual

### OBD II, ABS & Airbag Scan Tool

- Color screen.
- ABS & Airbag code and definitions for most 1996-2013 GM, Ford, Chrysler, Honda, Hyundai, Nissan and Toyota vehicles.
- Battery, Alternator & Charging System Monitor.
- Graph, record and playback live date.
- Full manufacturer specific code definitions.
- Updateable – USB update cable included.
- Live engine data.
- AutoID® – Automatically selects the vehicle on most 2000 and newer vehicles.
- View all OBD II global data including Modes 5, 6 & 8.

**3415**



### 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 LED's
  - Magnifies DLC
  - Displays battery voltage with warning

## HD Battery Testers



**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.

## OEM tools



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.

**F00E9016297H\***

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

**F00E9016307H\***

Includes all contents of F00E9016297HH plus CFR kit.

\*Software license sold separately.

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

**F00E9009777H**

### 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.



## Subscription Software

**3893-LTW**

### Encore 1-year subscription and 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.



**3895-08**

### OTC Genisys Touch Software Update

Genisys Touch Domestic, Asian and European Software update kit provides new coverage, coverage enhancements, repair information and application improvements.



## Genisys EVO® Software

**3421-152**

### 2015 Super Bundle Kit

- Everything needed to update a Genisys EVO
- Includes 2015 Domestic/Asian, 2014 Euro, and preloaded System 5.0 memory card



**3421-153**

### 2015 Software Loyalty Kit

- Designed for customers who already have System 4.0 and newer.
- Includes 2015 Domestic/Asian & 2014 Euro.



**3421-154**

### 2015 System 5.0 4GB Memory Expansion Kit

- Pre-loaded with 2015 application software
- New applications require a separate purchase



**3834T**

### OTC TPR Activation Tool VEHICLE COVERAGE THROUGH 2016

- Lower cost kit for use with the Genisys Touch scan tool or as a stand alone tool.
- Works on vehicle TPMS sensors through 2016.
- 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 www.tpmsupdates.com



### OTC Puller kits

5 lb. Hammer in polished chrome finish.



**4579**

#### 9-Way Slide Hammer Puller Set

- Pulls flange-type rear axles and most front-wheel drive hubs.
- Internal and external jaws provide a variety of combinations to pull bearings, gears and seals.
- Two- and three-way cross blocks and cone provide the perfect jaw configuration for most jobs.
- Set also includes a grip wrench adapter and a dent puller attachment for sheet metal or other unique pulling requirements.
- Designed for use with other OTC 5/8"-18 thread slide hammer attachments.
- Packaged in blow-molded case.



**4534**

#### OTC Multipurpose Bearing and Pulley Puller Set

- For a wide range of pulling jobs, including: bearings, alternators, generators, power steering and crankshaft pulleys, timing gears, and harmonic balancers.
- Set includes drop-forged components, which can be used in a variety of combinations. Contents of Set: 2 – Forcing Screws (Live Center): 3/4"-16 x 6-11/16" and 3/4"-16 x 5" 2 – Cross-bar Yokes: 3 pin-hole @ 3-1/4" to 5-1/2", 2 pin-hole @ 2-3/8" to 3-3/8"
- 2 – Clamp Bolts 3 – Pairs of Puller Jaws: 1-3/8" Max, 1-5/8" Max, 1-3/4" Max 1 – Pair of Jaw Pins with Ball Spring 3 – Pairs of Capped Bolts
- Spread: 3" to 5", Reach: 1" to 2-1/4"
- Housed in a blow-molded plastic storage case.



**4532**

#### 7-Ton Multi Purpose Bearing & Puller set

- Features a classic "H" style puller block accommodating 7-11" application spread.
- Includes 2 sets of forged jaws for a pulling reach range of 5" to 9" – tempered for heavy-duty applications. (Jaws from OTC's 4534 are interchangeable) Two forcing screws are included for short and long pulls.
- Multi applications include heavy-duty pinion bearings, side bearings, alternators, generators, power steering and crankshaft pulleys, timing gears and harmonic balancers.
- Deep set transmission gears and A/C clutches. Roller gears on tracked vehicles, locking collars on pivot shafts.



**4518**

#### 5-Ton Bar-Type Puller/Bearing Separator Set

- This combination set includes our two most popular bearing "splitters" (2" and 3"), four sets of hex push-puller legs and a bar-type puller head with a 9/16" forcing screw. Separator tools are used with bar puller and legs for a wide variety of pulling jobs.
- The 5" puller cross-bar with a 6-1/4" forcing screw or each of the bearing separators may also be used separately or in combination with other pullers or tools.
- A blow-molded plastic storage case keeps set contents organized and protected from loss.



**4526**

#### Heavy-Duty Single Pressure Beam Bearing Splitter Set

- Single point of adjustment allows quick attachment of splitter to the application.
- Pressure beam provides the ultimate in secure gripping surface.
- Push Puller is thread matched to the splitter.
- Interchangeable legs shorten or lengthen the range of pull.
- Designed of high quality tool grade materials for a lifetime of use.
- For use on most bushing or bearing jobs up to 4" in diameter.



**4527**

#### 5-Ton Single Pressure Beam Bearing Splitter Set

- Single point of adjustment allows quick attachment of splitter to the application.
- Pressure beam provides the ultimate in secure gripping surface.
- Push Puller is thread matched to the splitter.
- Interchangeable legs shorten or lengthen the range of pull.
- Designed of high quality tool grade materials for a lifetime of use.
- For use on most bushing or bearing jobs up to 3" in diameter.



**4517**

#### 7-Ton Bar-Type Puller/Bearing Separator Set

- Includes a Bearing Splitter with 4" capacity, two sets of hex push puller legs, a 8" bar type puller head mated with a custom thread forcing screw.
- Now service and maintenance professionals have a Puller/Bearing set for tough jobs, up to 7-tons, larger applications, and greater reach 8" to 16".
- As a stand alone puller/bearing splitter set or as a complement to the 4518 version, the 4517 7-Ton Puller/Bearing Separator Set gives your maintenance/service shop the expanded capability to keep more business in house.

**6618**

#### OTC Universal Bearing Race Puller

- Rugged puller built for many races, sleeves and bearings between 40mm and 60mm.
- Jaws designed with sharp edges for secure grip - even where vertical clearance is negligible.
- Jaws have radius for better attachment to round parts.
- Firm grip based on the adjustable clamping chain.
- Puller design avoids tilting.



### OTC Wire Service Tools

#### 4470 Butane-Power Flameless MicroTorch

- Cordless 650° (1250°F) flameless heat.
- Refillable fuel cell uses standard butane lighterfluid (butane NOT included).



#### 4472 Cordless Solder Tool Kit

Includes: Soldering iron, conical tip 2.4 mm, chisel tip 2.4 mm, hot knife tip, deflector tip, sponge, wrench and soldering wire.

4472-1 – Soldering iron only.



#### 4460 2-Piece Electrical Connector Separator Tool



#### 4461 Terminal Release Tool Set



#### 4477 3/8" Cable Cutters



#### 4467 Automatic Wire Stripper

- Comes with adjustable depth gauge (8mm to 12mm).



#### 4468 9" Self Adjusting Wire Stripper

- Strips insulating sheathing from wires ranging from 10 ga. to 22 ga.



#### 4813 Heat Shrink Tubing Set (171 Piece)

Protection and insulation for solder connections and components. 2 to 1 shrink ratio with flame or heat gun.



#### 4814 Waterproof Heat Shrink Tubing Set (106 Piece)

Waterproof protection and insulation on solder connections and components. Adhesive lined inner wall to seal out moisture. 3 to 1 shrink ratio with flame or heat gun.



#### 4462 Wire Loom Threading Kit

The 4462 Wire Loom Threading Kit from OTC is a clever grouping of wire fishing tools for the automotive technician. Whether general wiring R&R - or adding Gauge Packs, Sound Systems, Vehicle Security and Camera Systems, these tools simplify placing the wiring within the protection of existing wiring looms, without cutting tape or zip ties and without damage to other wires.

There are 3 wire pulling tools in 15", 10" and 5.5" lengths for common automotive applications, the grommet insertion tool allows the wire to be captured within the tool to hold once it is placed, placed so you can grab from the opposite side of the firewall - and the pigtail tool assists when building a new harness on the workbench.

#### 7485 Locking Collar Rack Wrench

- Ideal for steering service, wheel alignment, strut cartridge, small dia. exhaust, and general pipe adjustment.
- Unique, two-piece design wraps around steering components.
- Permits service or adjustment of steering components without having to remove end.
- For use with diameters of 1" to 1-7/8" (25.4 mm to 47.625 mm).
- Eccentric shape of cam automatically adjusts to component diameter.
- 1/2" Sq.Dr. for maximum power with Ratchets, Extensions, and Breaker Bars.



#### 4484 Weather Pack Ratcheting Crimper Kit

Now you can manage environmentally sealed connection systems on your vehicle with the OTC 4484 Weather Pack Crimper Kit. Weather Pack connection systems are designed to protect against exposure to heat, moisture, and contaminants with unfaltering performance. The OTC 4484 comes with 2 interchangeable crimping dies, covering wire range AWG 22 / 20-18 (DIN: 0.35 / 0.5-0.8 mm<sup>2</sup>) and AWG 16-14 / 12 (Din: 1.0-2.0 / 3.0 mm<sup>2</sup>). The dies are easily interchanged - simply slip into place and are magnetically secure. The inside lid decal shows how the Weather Pack crimp is properly made. These connections can be found on automobiles, Class 7-8 Tractors, Motorcycles - just about everywhere.



#### 2497 3 Piece Push Pin/Body Clip Pliers Set

Remove plastic body fasteners and clips faster in nearly any location. A set of three push pin / body clip pliers includes straight, 45° and 90° jaws to reach in wheel wells, under bumpers and behind the dash to remove retaining clips. The various jaw angles help access hard-to-reach places while providing maximum leverage to remove clips quickly and without damage. The unique design lifts the center pin and pulls body clips without damaging anchors, eliminating the need to provide replacement clips. Reusing these fasteners saves money and time searching for replacements of various shapes and sizes. The 3-piece set comes with an OTC lifetime warranty against defects in material or workmanship.

### Ford 6.0L Service Tools



#### 6770 Ford 6.0L Diesel Service Tool Kit

- 8 of our popular 6.0L Diesel Service Tools in one convenient kit.
- Properly test vehicle systems for leaks and blockage.
- Safely remove and re-install harnesses without damage.
- Fuel Filter Cap Wrench, Glow Plug and Injector Harness Release Tools.
- Oil Line Disconnect Tool, EGR Removal Tool.
- IPR Controller, IPR Socket Tool and Fuel Rail Pressure Adapters.



#### 8330 Resurfacing Grinder – Medium

- Cleans dirt, rust, and corrosion from many surfaces including hubs, rotors, inside wheel edges, and other large surface areas.
- Can resurface up to 400 hubs before replacement of media is required.
- Recommended for up to 1500 RPM.

8330-RP  
Two replacement discs for 8330.

## Fuel Injection kits

**7448A**

### Canister-type Fuel Injector Cleaner

Simply and completely clean a vehicle's fuel system with the 7448A Fuel Injector Cleaner.

With the addition of a quick-connect fitting, the removable hose can be thoroughly cleaned for storage and extending the life of the product. An included blowout fitting adapts to shop air supply to remove residual cleaner from hose lines.



Fuel Injection Application Manual covers vehicles from 1997 – 2013.



**6550**

### Master Fuel Injection Kit

Test fuel injection systems on most GMs, including GM TBI, Ford, Chrysler, and Jeep vehicles. Also works on imports, including CIS and CISE fuel systems.

- 0–100 PSI fuel pressure gauge.
- 35 of the popular OTC fuel injection adapters, each equipped with a quick-connect Schrader valve.
- '97 – '13 Fuel Injection Service Application Manual.
- Replacement seal kit also included.



**4437**

### 8-Piece Sensor Socket Set

- 29 mm Vacuum Switch and O2 Socket, 1/2" Drive.
- 7/8" Vacuum Switch and O2 Socket (wide slot), 3/8" Drive.
- 27 mm Thermal Sensor Switch, 1/2" Drive.
- 7/8" Vacuum Switch and O2 Socket (narrow slot), 3/8" Drive.
- 1-1/16" and 1" Oil Pressure Sending Unit Socket, 3/8" Drive.
- 7/8" O2 Sensor Socket, offset 1/2" Drive.
- 7/8" O2 Sensor Socket (low profile), offset 3/8" Drive.
- 1-1/16" and 1" Oil Pressure Socket (short access), 3/8" Drive.



**4480**

### Basic Fuel Injection Service Kit

- Performs running, residual, rail and flow rate pressure tests.
- Kit includes adapters, hoses and fittings to test fuel injection systems.
- Kit includes two popular adapters for import vehicles as well as the GM TBI adapter.
- Professional dual scale gauge reads 0-100 PSI and 0-700 kPa with relief valve, fuel discharge hose and rubber boot.
- Packaged in blow molded carrying case.



**6550PRO**

### Pro Master Fuel Injection Service Kit

Covers 100% of vehicles sold in North America '97-'13. Perform fuel pressure testing, diagnose weak fuel pumps or restricted filters, test for fuel flow and perform leak-down tests. Use to clean injectors and intake systems. Kit includes:

- 0 – 100 PSI Fuel Pressure Gauge.
- 47 of the popular OTC fuel injection adapters, each equipped with a quick-connect Schrader valve.
- '97 – '13 Fuel Injection Service Application Manual.
- Replacement seal kit also included.



**4411**

### Ratcheting Hose / PVC Cutter Standard and Heavy Duty

- Features metal frame and rubber padded ergonomic handles for high leverage and comfort.
- Compound ratcheting action provides maximum cutting power.
- Will also cut cable and wires.
- Cuts hose and PVC up to 1-3/8" dia.



**6554**

### Fuel / AC Line Disconnect Kit

- Topside disconnects for AC and Fuel lines.
- Clips, disc, and scissor styles for broad applications.
- Hi-visibility line plugs included.



**6703**

### Line Fluid Stopper Kit

- Stop messy fluid leaks and prevent contamination during service.
- Kit seals all types of rubber and steel line found on fuel, brakes, AC, power steering and transmission system.
- Includes two banjo style fitting stoppers, two steel line stoppers, six line plugs, a line disconnect tool, and a long reach line pinch-off tool for hard-to-reach hoses.



**7000A**

### Pro Inject-R Kleen Fluid

Clean fuel injectors mean cleaner running, more efficient engines – and lower emissions. This fluid restores injectors' original spray pattern, helps prevent recurring problems, and reduces intake and port deposits.

- No mixing; use right from the can.
- Pro Inject-R Kleen fluid. Case of 12 16-oz. cans.



**6599**

### Fuel Tank Lock Ring Wrench

Universal design allows tool to fit fuel tank lock rings on Ford, Chrysler, and GM vehicles with gas engines.

- Works on: 2004–newer Ford F-150 trucks; 2004–newer Chrysler / Dodge minivans, PT Cruiser, Dakota, and Durango; 2004–newer Chevy 1/2-ton and 3/4-ton trucks; and 2005–newer Jeep vehicles.
- Tool easily removes and installs lock ring on the fuel tank when servicing the fuel pump or fuel sending unit.
- Used with a 1/2" drive ratchet or breaker bar.

**6579**

### Transmission Disconnect (2 pack)

- Designed to disconnect transmission lines on Ford Taurus/Explorer 2005 and newer.
- Similar to OE p/n 307-569.





### Coolant Service



#### GM Duramax Injector Pullers

- Designed to pull injectors on a GM Duramax 6.6L engines.

#### 6778

From 2001 - 2004, Similar to J-44639.

#### 6779

From 2005 - 2011, Similar to J-46594.



#### 4403

#### Tubing Bender

- For 3/16" and 1/4" dia. tubing.
- Can bend up to 180+ degrees.
- Quick release handle to easily remove tubing from bender.



#### 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.



#### 4440

#### Heavy-Duty 3 Leg Filter Wrench Standard

- Self gripping design for true universal fit from 3" to 4-3/4".
- Heavy duty knurled leg design for extra grip and strength.
- 1/2" square drive with 21mm hex option.

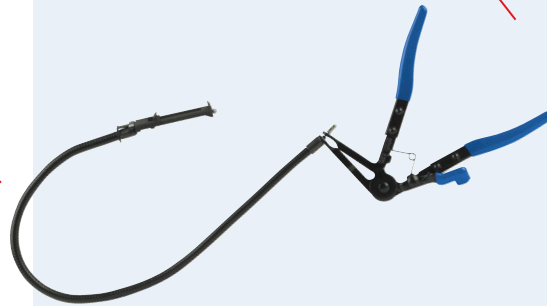


#### 7991

#### Cooling System Pressure Tester

Now you can pressure test the cooling system on most cars, light commercial trucks, motorcycles, and even marine applications. The tester's universal fit eliminates the need for multiple adapters.

Note: Will not work on Saturn and Kia cars or Jeep with the plastic reservoir.



#### 4597

#### Flexible Hose Clamp Pliers with Memory

- A heavy duty 24" cable flexes to almost any shape and holds it.
- Pliers have locking mechanism to hold clamp in the open position, making removal and installation of clamp easier.
- Allows technician to access the flat type hose clamps located in hard-to-reach areas.



#### 8101

#### Fluid Evacuation / Brake Bleeding Tool

- Operates with shop air; shipped with a brake bleeding hose and fluid evacuation hose; 6-liter capacity tank.
- 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.



#### 6043

#### "Blast-Vac" Multipurpose Cleaning Gun

- Perfectly suited for quick and efficient cooling system flushing. Simply attach it to radiator or heater hoses and you're in business.
- Also usable in washing engines and even shop floors.
- Two simple connections: one to shop air and one to a typical water faucet.
- Creates a unique vortex air/water blast for powerful cleaning applications.
- The tool can also be used to vacuum by turning the venturi inside the gun in the opposite direction. Air flow is reversed to create a strong vacuum.

Note: While normal water pressure will handle the majority of a cooling system flush, short blasts are sometimes needed to loosen some contaminants from within the system.



#### 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.



#### 4528

#### Clutch Alignment Tool Set (17 piece)

- Essential for clutch installation on virtually all cars and light-duty trucks. Aligns clutch plate by using tapered cones and pilot adapters.
- Includes seven fractional pilot adapters, 1", 13/16", 25/32", 3/4", 11/16", 5/8", 19/32" one clutch disc centering adapter, and one alignment shaft.
- Includes five metric pilot adapters, 19mm, 17mm, 16mm, 14mm, 12mm, two clutch disc centering adapters, and one alignment shaft.
- Housed in a blow-molded storage case.



## 4848 Flexible Spout Funnel

Many oil, transmission, and coolant fluid fill caps are located in hard to access areas. This aluminum 5 1/2" funnel features a removable debris screen in the base flowing to a 25" flexible spout designed to reach these difficult fill locations.



## 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.



## 7500 Inner Tie Rod Wrench

- Universal wrench will fit on all styles and allow the technician to un-screw the tie rod link for replacement.
- Unique cam design cover sizes from 1-1/4" to 1-5/8" (33-41mm) hex, 2 flats, round or any style rack ends.



## 4543A Locknut Socket Set - 4WD (6 piece)

- Chrome vanadium steel sockets cover most SUV and light truck applications.
- Sockets have 1/2" square drive, allowing use of a torque wrench, ratchet, or breaker bar.

Set contains: Toyota 4-lug locknut socket, Ford 4-lug locknut socket, Dana axle 4-lug socket, 6-lug socket, 4-lug socket, and FWD front spindle puller

## 7310A

### Pitman 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 medium- and heavy-duty trucks. Max jaw spread: 2-1/4".



## 6697

### Ford Axle Shaft Seal Installer

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.

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



## 6694

### Axle Seal Installer

- Designed to install the axle seal on GM Trucks with 10-1/2" ring gear.



## 7248

### C-Frame Press

- Used for removing/installing; universal joints with needle bearings, pressed in wheel studs, and brake anchor pins on heavy-duty vehicles. Suitable for general pressing operations.



## 8150

### Pitman Arm Puller

The No. 8150 conical tool is designed to fit Pitman arms on domestic cars and light duty trucks.

- Conical design gives increased strength, stability, and fits securely on a Pitman arm.
- Spread is 1-1/2" with a reach of 2-1/2". 3/4-16 x 4-3/4" forcing screw provides enough power to remove stubborn Pitman arms.



## 4530

### Power Steering Pump Pulley Service Set

- A complete set of tools required to remove and install power steering pump pulleys of most domestic vehicles.
- Fits pulley hubs with diameters of 1-1/8", 1-1/4", 1-5/16" and 1-3/8".
- Includes the necessary adapters for servicing: GM 3.1L, 3100, 3400, and 3800 V6 engines, GM 2.3L Quad 4 four-cylinder engines,



## 4559

### Manual / Pneumatic Pickle Fork Set

- Use to separate ball joints, tie rods, & Pitman arms.
- Set contains two handles: knurled handle allows use of a hammer; smooth handle fits in a pneumatic hammer.
- Three sizes of pickle forks included: 1-1/8", 15/16", and 11/16".



## 7494A

### Rear Axle Bearing Service Set

Designed to make the removal of semi-floating rear axle bearings easier. Allows you to capture the bearing firmly, distributing the pulling force over the entire bearing. This reduces damage and increases the amount of applications. Set includes three pullers to service most domestic cars. Use with OTC Nos. 1155 or 1156 slide hammer with 5/8"-18 UNF thread. Pullers also available separately.

- Rear axle bearing puller. Fits minimum bearing tube I.D. of 1" and maximum axle tube I.D. of 1-7/8".
- Rear axle bearing puller. Fits minimum bearing tube I.D. of 1-5/16" and maximum axle tube I.D. of 2-3/8" including 1988-2000 Chevrolet and GMC 8-1/2", 1/2-ton rear axle bearing.
- Rear axle bearing puller. Fits minimum bearing tube I.D. of 1-3/8" and a maximum axletube I.D. of 2-7/8".

## 6275

### Tie Rod/Pitman Arm Adjusting Set

- These tools have a unique design that permits 360° rotation of the adjusting sleeve, even where space is limited.
- Accommodates 1/2" drive ratchet or breaker bar.

Set consists of:

- 7095 - 3/4" diameter adjusting sleeves.
- 7096 - 7/8" diameter adjusting sleeves.
- 7097 - 1-1/8" diameter adjusting sleeves.
- 6274 - 1-13/16" diameter adjusting sleeves.
- 6084 - 1-7/16" dia. adjusting sleeves.



## 6930

### Flange Type Puller Combination

- Pulls harmonic balancers, timing gears and parts having two or three tapped holes.
- Slotted holes in puller body permit cap screws to be positioned to handle bolt circle diameter from 1/2" to 4-5/8".
- Reach of puller is 4-1/4". Includes 3 cap screws 3/8"-24 x 3", and 3 cap screws 3/8"-16 x 3".





**7832**

### GM Torsion Bar Unloader

- Required to safely release the tension on the front suspension torsion bar to service the front suspension.
- Larger design to cover the newer GM truck applications.
- Application: 2011 & newer HD C/K trucks.

**6939**

### Broken Bolt Extractor Tool

- Remove frozen, broken or cut off bolts within steering or suspension bushings.
- Can also be used to remove and install wheel studs and other general pressing needs.



**7045B**

### Front Coil Spring Compressor

This compressor fits most late-model rear wheel drive domestic vehicles in which the coil springs are between the upper and lower control arms. The tool features four case-hardened, self-aligning plates to ensure correct load distribution under tension. Includes two 3-3/8" ID plates and two 4" ID plates. Will not work on Mercedes-Benz vehicles.



**6720**

### Flare Nut Locking Plier Set (3 pcs.)

- Designed for use on new or damaged flare nuts that have been rounded or rusty.
- Fits Standard or Metric nuts and bolts.
- Angled jaws allow for clearance around frames & bulkheads.

- 6720-1 – Covers 1/4" to 5/16" (6mm to 8mm)
- 6720-2 – Covers 3/8" to 7/16" (9mm to 11mm)
- 6720-3 – Covers 1/2" to 5/8" (12mm to 16mm)

**4401**

### Tube Bending Pliers

- 3/16" and 1/4" dia. tubing.
- Bends tubing from the side allowing for use in limited access areas.



**4507**

### Bearing Race/Seal Driver Set (10 piece)

- This aluminum constructed set permits installation of tapered bearing races and seals without damage to the component or housing.
- Tapered side of driver is used to install races. Invert the driver to the flat side to install seals.
- Housed in a blow-molded plastic storage case.
- Includes driver handle with bolt, plus these tool sizes: 1.565", 1.750", 1.965", 2.325", 2.470", 2.555", 2.830", 2.995", and 3.180".

## Brake Tools



**7302**

### Brake Caliper Pin/Bolt Remover Set

- Allows for removal of inboard facing pins or bolts to be removed from the outboard side of the brake caliper or vehicle component.
- For caliper pin removal, simply back the pin bolt out half way and place the tool over the bolt shank to strike against the bolt head.
- Fits all sizes of pins or bolt shanks ranging from 1/4" (6mm) to 5/8" (16mm).
- Includes 7302-1, a striking version & 7302-2, air hammer adapter.



**6596**

### Brake Pad Gauge

- The 6596 Brake Pad Gauge allows for a definitive measurement of brake pads to determine remaining life.
- Allows for measurement on the vehicle without the removal of any components in most cases (wheel assembly or brake caliper).
- Quick reference of brake pad condition via color code scale.



**4799**

### Brake Piston Removal Locking Pliers

This specially designed locking pliers allows the removal of brake caliper pistons during service or rebuild. The pliers is simply clamped into the I.D. of the caliper piston allowing it to be pulled out of the caliper. Range; 5/8" to 2-1/4" diameter pistons.



**8104A-SET**

### 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.



## Hub Service



**6575**

### Hub Grappler™ Kit

- Jaws designed and sized to properly fit hub applications and is quickly located on the puller bar without the use of fasteners.
- 3/4" custom drive screw coupled with the special equalizer washer provides smooth operation while proprietary heat treating extends its life 5-10 longer than similar designs.
- Six adapters increase application coverage. Includes tie rod/ball joint tool and two Ford axle installers.
- Included Application Guide is the most comprehensive on the market.



**6576S**

### Dodge Hub Service Set

- Removes stubborn hubs, using 2 methods.
- First, the 6576 Hub Pressing Tool is used to press off the hub with the aid of the power steering. The tool locates spacers between the U-joint yoke and axle housing. Unique design makes this a one person operation to remove the hub with the bearing in tact.
- In the event the Hub Pressing Tool does not budge the hub, the 6577 Hub & Bearing Housing Puller is used. This may separate the bearing, but the unique dual pattern design fits both the wheel hub and bearing housing, capable of applying 20 tons of force.

**6576** – Hub Pressing Tool, Fits Dodge 3/4 & 1 Ton 4WD 1994-Present applications.

**6577** – Hub & Bearing Housing Puller, Fits Dodge 3/4 and 1 Ton 4WD 1994-Present applications. Also fits GM and Ford 4WD Truck hubs.



**6578**

### Hub Clamp Expander Kit

- For servicing struts, ball joints, or steering knuckles with pinch bolt mounts.
- Remove most stubborn struts and ball joints with ease.
- This separator mounts in the pinch bolt holes and drives the anvil into the pinch slot, expanding the mount for easy component removal. Use on aluminum or cast iron pinch mounts; includes 2 dowel sizes.



### REMOVE AND INSTALL SELECT HENDRICKSON HEAVY DUTY SUSPENSION BUSHINGS

#### 4246 Hendrickson Rear Suspension Bushing Tool Kit

Replace rusted and frozen heavy-duty rear suspension bushings faster and easier

- Patent-pending design is suspension-mounted, eliminating the need to hold the tool during operation
- Remove and install Hendrickson PRIMAAX EX, COMFORT AIR, FCCC V Ride™ Pivot and D-Pin Bushings
- Save time and effort during suspension service to get trucks back on the road faster
- Included adapters align tool with the suspension to ensure proper bushing installation and reduce the chance of misalignment and bushing damage
- Includes an OTC 4106A 25-ton high-force cylinder



- #### 4247
- Adds an OTC 2510A air/hydraulic pump to make bushing service faster and easier
  - Includes everything in the 4246 kit



#### 4250 Hendrickson Adapter Kit for Front Suspensions

- Use with your 4246 or 4247 Rear Tool on select Hendrickson Front Suspensions
- Remove and install Hendrickson PACCAR Monoleaf, Navistar Monoleaf, Volvo Monoleaf suspension Pivot Bushings



#### 4274 Hendrickson Front Suspension Bushing Tool Kit

Replace rusted and frozen heavy-duty front suspension bushings faster and easier

- Patent-pending design is suspension-mounted, eliminating the need to hold the tool during operation
- Remove and install Hendrickson PACCAR Monoleaf, Navistar Monoleaf, Volvo Monoleaf suspension Pivot Bushings
- Save time and effort during suspension service to get trucks back on the road faster
- Included adapters align tool with the suspension to ensure proper bushing installation and reduce the chance of misalignment and bushing damage
- Includes an OTC 4106A 25-ton high-force cylinder



- #### 4275
- Adds an OTC 2510A air/hydraulic pump to make bushing service faster and easier
  - Includes everything in the 4274 kit



#### 4254 Hendrickson Adapter Kit for Rear Suspensions

- Use with your 4274 or 4275 Front Tool on select Hendrickson Rear Suspensions
- Remove and install Hendrickson PRIMAAX EX, COMFORT AIR, FCCC V Ride™ Pivot and D-Pin Bushings



#### 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.



#### 5281 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.
- Includes "pre-treat" cycle for oil-soaked filters.
- 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.



#### 4240A 30-Ton King Pin Pusher Set

The Heavy Duty Kingpin and Brake Anchor Pin Pusher utilizes its cylinder and hydraulic force to replace traditional time-consuming torch and hammer methods. It helps get the job done in minutes instead of the better part of a day. Five special collars and two pins allow this unit to work on both straight and tapered kingpins. It accommodates sizes from 7/8" to 2" in diameter and up to 11-1/4" in length. With 30 tons of force, it can push out even the most corroded kingpins. The anchor pin can be removed quickly by using the special adapter installed in the pusher's base block and the unit positioned over the brake's spider. Included are the 4121A-MA hydraulic cylinder and 4012A Two-Speed Hand Pump that make the job easy.



#### 6- & 10-Ton Capacity Air/Hydraulic Service Jack

- Huge steel front wheels are mounted in bearings for trouble-free service life. Rear swivel casters make spotting the jack easy.
- Spring-loaded handle can be locked in three positions.

**5106**  
6-Ton Air/Hydraulic Service Jack. Lifting range 4-3/4" to 23-1/4", reach 87", 45" handle.

**5110**  
10-Ton Air/Hydraulic Service Jack. Lifting range 6-3/4" to 26-7/8", reach 93", 47" handle.



### 1770A 1,500 lb. Dual Wheel Dolly

- Hydraulic jack provides almost 5" of lift and tilts wheel assembly 4° to prevent damage to wheel seal.
- Independent lifting rack provides maximum stability; rollers won't catch on load.
- Swivel casters for easy maneuverability.
- Floor space is 45" by 41".
- 6' chain holds load in place.
- Covered by OTC Lifetime Warranty®.

### 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"

### 1590 10-Ton Air Lift

- Adjustable lifting saddles and an extra wide stance for extra stability.
- 10 tons of lift at 200 PSI air pressure.
- Lifting range is 13" to 52".
- Automatic mechanical safety catch engages in five height positions.



### 4305 1,500 lb. Capacity Engine Load Leveler

Designed to hook to a crane or hoist to handle and position large, bulky components.

- The horizontal tilt can be adjusted to compensate for off-center loads, or adjusted to a certain angle for a component being positioned.



### 1812 6,000 lb. Capacity Load Leveler

- Carriage on main support beam moved by turning lead screw; this permits fine adjustment of the tilt angle of component being lifted.
- Distance between hooks: min. 30", max. 46".
- Turn lead screw manually or with air-powered tools.
- Spreader bar adjustment secured with locking bolts.
- Chain grade is 80.
- Covered by OTC Lifetime Warranty®.



### 3-Ton, 6-Ton Jack Stands

- Formed and welded steel base for strength; self-locking ratchet handle cannot be released under load. Durable baked enamel finish resists corrosion.
- Stands conform to ANSI PALD load rating standard; factory tested before shipment.

**5372**  
Pair of 3-ton jack stands. Base: 8-1/4" x 7-1/2". Height range: 12" to 17-11/16".

**5373**  
Pair of 6-ton jack stands. Base: 11-9/16" x 10-3/8". Height range: 15-5/8" to 23-11/16".



### 7077 Axle-Stud Cone Pliers

Now you can easily remove the tapered cone from studs used on the rear axles of medium and heavy-duty trucks. This specially designed tool gives you the leverage needed to expand the cone and remove it from the stud for axle removal.

### 2,200 and 4,400 lb. Capacity Heavy-Duty Floor Cranes

- To conserve valuable floor space, crane folds into a compact package for storage.
  - For "close-in" work, leg spread adjusts to clear vehicle's wheels, telescoping boom extension gives additional reach. Roller bearing mounted wheels and steering dolly provide ease of mobility.
  - A two-speed hydraulic hand pump provides fast boom travel; descent of boom is under precise control of operator.
  - Covered by OTC Lifetime Warranty®.
- 1819** – 2,200 lb. Capacity Crane. Has hydraulic hand pump and 16-7/8" lifting chain.
- 1820** – 4,400 lb. Capacity Crane. Has hydraulic hand pump and 18-3/8" lifting chain.



### 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.



### 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, Gunite, and Bendix automatic adjusters.

- Covered by OTC Lifetime Warranty®.

**5055** – Manual slack adjuster puller.

**5056** – Automatic slack adjuster puller.

**NEW**



### 1533A 2-Ton Aluminum Racing Jack Pack

- ASME-PASE Compliant
- 1532A** – Aluminum Service Jack
- Min Height: 3.250"
  - Max Height: 18.625"
  - Handle Length: 47.625"
  - Weight: 41 lbs

- 1582A** – Aluminum Jack Stands
- Low Height: 9.5"
  - High Height: 15.16"
  - Number of Adjusting Positions: 6
  - Base Diameter: 7"
  - Saddle size: 2.17" x 1.97"
  - Weight of each stand: 4.7 lbs

### 1547 3-Ton Aluminum Racing Jack Pack

- ASME-PASE Compliant
- 1546** – Aluminum Service Jack
- Min Height: 3.625"
  - Max Height: 19.1875"
  - Handle Length: 47.625"
  - Weight: 54.9 lbs

- 1596** – Aluminum Jack Stands
- Low Height: 9.5"
  - High Height: 15.6"
  - Number of Adjusting Positions: 6
  - Base Diameter: 7.1"
  - Saddle size: 2.2" x 2.0"
  - Weight of each stand: 4.74 lbs



### 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).

## Hydraulic 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.



### 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", weight 14.5 lbs



### 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", weight 17lbs



### 4292 Hydraulic Flow Measurement Digital Readout

- For remote flow measurement by using Flow Blocks OTC 4290 or OTC 4291
- Included in OTC 4285 and OTC 4294
- Digital display for flow, temperature, analog for pressure



### 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", weight 14 lbs



### 4290 16 gpm Flow Block

- Can be used with Digital Flow Meter Readout OTC 4292 included in OTC 4285 and OTC 4294
- Port is 1-1/16" - 12UN #16 SAE ORB
- Flow range from 1 to 16 gpm
- Max pressure 6000 psi

### 4291 Flow Block with Loading Valve

- Can be used with Digital Flow Meter Readout OTC 4292 included in OTC 4285 and OTC 4294
- Knob allows for pressure loading/restriction
- Port is 1-5/16" - 12UN #16 SAE ORB
- Flow range from 2 to 100 gpm
- Max pressure 6000 psi



### 4294 Deluxe 100 gpm Hydraulic Flow

- Measurement Set
- Comprised of OTC 4290, OTC 4291, OTC 4292, Long Cable and Hose Set and Short Cable
- Case included

## OTC Cylinder Rams



Single Acting Cylinders		Cap. in Tons	Stroke	Height Collapsed	Height Extended
4100A	5-Ton Single Acting Cylinder	5	3"	5-11/16"	8-11/16"
4101A	5-Ton Single Acting Cylinder	5	5-1/4"	10-7/16"	15-11/16"
4103A	10-Ton Single Acting Cylinder	10	2-1/8"	5-9/16"	7-11/16"
4104A	10-Ton Single Acting Cylinder	10	6-1/8"	11-1/2"	17-5/8"
4105A	10-Ton Single Acting Cylinder	10	10-1/8"	15-1/2"	25-5/8"
4106A	25-Ton Single Acting Cylinder	25	6-1/4"	13-3/8"	19-5/8"
4107A	25-Ton Single Acting Cylinder	25	14-1/4"	21-3/8"	35-5/8"
4108A	5-Ton LP Single Acting Cylinder	5	9/16"	1-5/8"	2-3/16"
4110A	55-Ton Single Acting Cylinder	55	6-1/4"	11"	17-5/16"
Hollow Centered Cylinders		Cap. in Tons	Stroke	Height Collapsed	Height Extended
4120A	17 1/2 Ton Hollow Centered Cylinder with puller adapter plate	17 1/2	2.00"	5.46"	7.46"
4120A-MA	17 1/2 Ton Hollow Centered Cylinder (Cylinder only)	17 1/2	2.00"	5.46"	7.46"
4121A	30 Ton Hollow Centered Cylinder with puller adapter plate	30	2.50"	7.80"	10.30"
4121A-MA	30 Ton Hollow Centered Cylinder (Cylinder only)	30	2.50"	7.80"	10.30"
4122A	50 Ton Hollow Centered Cylinder with puller adapter plate	50	3.00"	10.27"	13.27"
4122A-MA	50 Ton Hollow Centered Cylinder (Cylinder only)	50	3.00"	10.27"	13.27"

### 4082A 4-ton ram

4-ton ram with 5" stroke and special piston rod end designed to fit most collision repair set components



### 4000 Single-Speed Hydraulic Hand Pump

This single-speed pump is ideal for single-acting rams. Developing up to 10,000 psi operating pressure, the pump operates horizontally or vertically in the "head down" position. Fingertip control provides instant release or pumping action. Has a built-in safety overload valve. Ideal for use with OTC single-acting rams, or similar competitors' rams.



### 4046 Two-Stage Electric/Hydraulic Pumps

RamRunner two-stage hyd. pump with 2-position/2-way manual valve and a 6 ft. remotecontrol cord. Supplied with one gallon and two quarts of oil.

RamRunner two-stage hydraulic pump with 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.

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

### 5017A Brake Drum Dolly

- Remove, install, and transport truck brake drums without physically having to lift them.
- Works on 15" and 16-1/2" drums found on most Class 7 and 8 tractor and trailer brake systems.
- Heavy-gauge steel construction, ten-inch pneumatic tires, and adjustable handle.
- Covered by OTC Lifetime Warranty®.



### 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.



### 16009 DiscovR Refrigerant Identifier

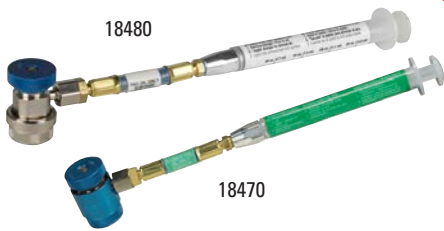
Fast and Accurate. "Pass" and "Fail" lights clearly show if refrigerant is pure enough to be recovered.

#### Product Specifications:

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



18480



18470

### Syringe-Type Injectors

Use these syringe-type injectors to add oil to a fully pressurized A/C system. Just fill the barrel with the amount of oil needed, connect the injector, and press the plunger.

**18480** – R-134A oil injector, PAG labeled

**18490** – R-134A oil injector, POE labeled

**18460** – R1234YF oil injector, Generic

**18465** – R1234YF oil injector, PAG labeled

**18470** – R1234YF oil injector, POE labeled

Not recommended for UV dye injection.

### 75700 CoolTech Coolant Exchanger

- Our 10 minute exchange process means no more waiting for the engine to warm up!
- "Engine Off" feature removes pulleys, belts, and fan blades from the safety equation.
- Vacuum mode creates a "push/pull" exchange process allowing the technician to safely remove high pressure in a hot system.
- Leak check feature allows the technician to test for leaks prior to refilling.
- Two clearly marked valves and an easy-to-read gauge make this machine very easy to use.
- No electricity required. 90 psi shop air drives the exchange process, as well as the 2 gpm pump on the waste tank.
- Two external new coolant supply tanks allow on-board storage of two different coolant types.



### 75240 Coolant and Battery Refractometer

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



### Econo-Clean Coolant Service Accessories

**75134**  
Coolant test strips.

**75234**  
3-way heavy-duty truck coolant test strips.



### The best way to Service A/C



34288NI



34788NI



34788NI-H



34988NI

#### A/C comparison chart features

	34288NI	34788NI	34788NI-H	34988NI
<b>Fully-Automatic Function:</b> Program to recover, vacuum, leak test and charge without operating panel valves.		X	X	X
<b>Automatic Dye Inject:</b> Gives the user the ability to use the machine to inject UV dye into a vehicle's A/C system.				X
<b>Automatic Oil Drain:</b> A display reminds you to empty the graduated container to show the amount of oil to replace.	X	X	X	X
<b>Oil Inject:</b> Automatically inject oil back into the vehicle's A/C systems.		X*		X**
<b>Refrigerant &amp; Oil Database:</b> A/C system capacities for North American market vehicles (Optional – not included with the machine)	Optional	Optional	Optional	Optional
<b>A/C System Flush:</b> Flushes a vehicle's A/C system with refrigerant, eliminating any residual oil or other liquid. (Flushing adapters not included)		X	X	X
<b>Save &amp; print before and after service data:</b> Allows the user to store before and after service information by vehicle and print this information to provide to a customer.		X	X	X
<b>Visual &amp; Audible Alarm:</b> Notifies the user when service is complete, or if a problem has occurred.		X	X	X
<b>Vacuum Leak Test:</b> Monitors level after evacuation, informs of possible leak.		X	X	X
<b>Automatic Air Purge:</b> Eliminates system-damaging air without monitoring gauges or opening valves.	X	X	X	X
<b>Automatic Refrigerant Refill:</b> Maintains a user-selectable amount of refrigerant in an internal vessel and signals when it's time to change supply tank, no monitoring required.		X	X	X
<b>Vacuum Feature:</b> Defaults to 15 mins, programmable up to 99 mins. "Remaining time" is displayed.	X	X	X	X
<b>Display: Multilingual</b>	X	X	X	X
<b>Refrigerant Charging</b>	X	X***	X***	X***
<b>Refrigerant Management System:</b> Displays refrigerant use and monitors remaining filter life. Prompts appear when 1/3 of filter life remains.	X	X	X	X
<b>Electric Vehicle:</b> Capable of servicing high voltage electric compressor A/C systems.			X	
<b>Printer</b>	Optional	Optional	Optional	X

\* One oil bottle. \*\* Two oil bottles and one UV dye bottle. \*\*\* Charge mode from high or low side, or use both sides.

### 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

### 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.



### AC1234-4

#### Premier R-1234yf Recover, Recycle and Recharge Machine

The AC1234-4 is a fully automatic ACS machine that meets or exceeds SAE J2927 and J2843 standards for 1234yf recovery. The machine includes an integrated refrigerant identifier that samples the refrigerant in the vehicle's A/C system prior to recovery. AC1234-4 is a highly accurate and reliable machine capable of servicing both standard and high-voltage vehicle A/C systems.

- Fully automatic operation — program for service, walk away and return when complete
- 98.5% recovery efficiency
- Charge accuracy within +/- 1/2 oz
- Automatic internal tank refill. No stopping to fill the internal tank during service, or before service
- Automatic oil drain shows how much oil was removed from the system during service
- Automatic air purge removes the potential of air accumulating in the internal tank
- Integrated refrigerant identifier (meets SAE J2927)
- Programmable vacuum operation helps get to the necessary vacuum level in any condition quickly
- System leak test to identify gross leaks in a system
- Liquid refrigerant flushing function can flush A/C systems or individual components using liquid refrigerant instead of harsh chemicals
- Meets and exceeds SAE J2843 requirement for R-1234YF Recover, Recycle and Recharge equipment



**NEW**

### 18410

#### Hydraulic Flaring Kit

- Fabricates a variety of fuel, brake and A/C line flares.
- Push connect 1/4, 5/16 and 3/8".
- GM fuel line, brake line and transmission 5/16 and 3/8".
- Flare and double flare.
- Metric bubble flare.
- Comes in a custom blow molded case.



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## 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.



## Robinair Manifolds



### 41234

#### R1234yf Aluminum Manifolds and Hose Set

- Easy-to-read 3-1/8" adjustable gauges.
- Durable aluminum manifold block with fittings.
- Improved face seal valves provide a tight seal, less wear and improved flow.
- Easy-to-grip control knobs.

### 2-Way Aluminum Manifold (R134A)

#### 48510

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



### 2-Way Brass Manifold

#### 45111

R134a Manifold Hose Kit



### Economy Manifolds

#### 48134A

R134 brass manifold, hose set and service couplers



#### 49134A

R134 aluminum manifold, hose set and service couplers



### 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.

