

# MUSCLETOOLS

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

Q4 2017 Edition

OTC ROBINAIR actron BOSCH

## Get a heavy-duty rebate on the ultimate **Heavy-Duty Leak Detection system**

Receive a \$350 rebate when you purchase a Bosch HPT 500 Leak Detector and Bosch HPK 200 Accessory Kit

**\$350<sup>00</sup>**  
Rebate



See page 4

## PROMOTIONS

New fourth quarter tool specials. All promotions valid Oct. 1, 2017 through Dec. 31, 2017 unless otherwise stated. Redeem at [Boschrebates.com](http://Boschrebates.com). Dated proof of purchase required. Must redeem by January 31, 2018.

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

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



**FREE**  
Dust Cover



17499  
Dust Cover



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

See pages 15 & 16

## Free troubleshooting subscription with purchase of 3824 ESI[truck]

3824-08R

Bosch ESI[truck] Repair Information Subscription

► 12-Month Security Card

**FREE**  
3824-08R



See page 4

## 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 pages 4 & 12

## 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

Extended through Q4



# MUSCLETOOLS

Professional Repair and Collision Diagnostics



## BOSCH

Invented for life

Driven by

# EXPERTISE

3896 Evolve



3893 Encore

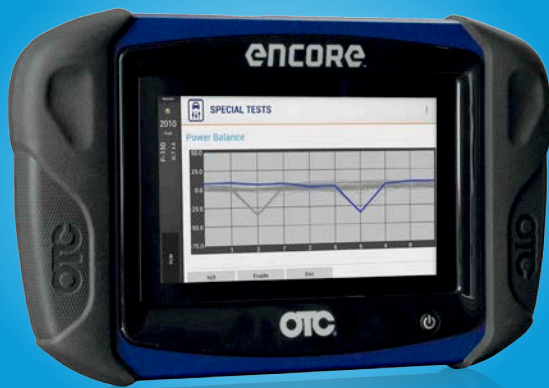
### Professional repair and collision diagnostics

Bosch is the number-one engineering and technology partner for automakers.

Technicians who want coverage and repair information for vehicles they see in the shop every day trust diagnostic systems for professional repair and collision from Bosch.

[boschdiagnostics.com/pro](https://boschdiagnostics.com/pro)

**What drives you, drives us**

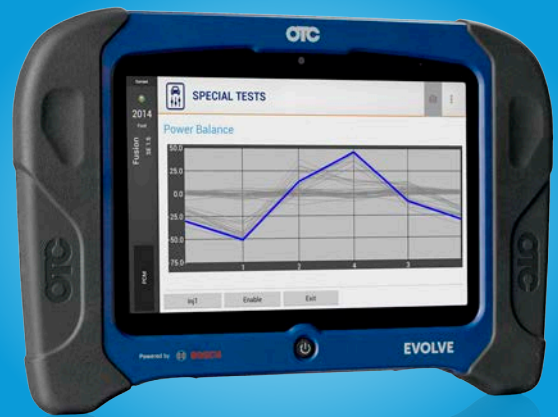


## 3893 ENCORE

### 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
- ▶ Front and rear-facing camera
- ▶ 10.4" hi-res touch screen

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

[boschdiagnostics.com/pro](http://boschdiagnostics.com/pro)

\*Lifetime warranty applies only to tool hardware as long as owner maintains an active diagnostics subscription.

## 3914 BATTERY & 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

### 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



**NEW**

**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



- 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

### 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



**1699200239**

**NEW**

### 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

#### 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.

#### 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.



**3209**



**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.

#### BSD-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](http://www.tpmsupdates.com)



## Fastener Service

### 5900A-PLUS

#### Master Torx Bit Socket Set plus special 24mm External Torx PLUS Socket (53-piece)

Updated 53-piece Master Torx Bit Socket Set plus special 24mm External Torx PLUS Socket (p/n 5932-24) required for Ford Super Duty pick-up beds starting model year 2017. Socket kit includes various sizes of Torx, Torx PLUS, Tamper Resistant Torx, Bit Sockets and External Torx Sockets in 1/4", 3/8" and 1/2" square drive. Stored in a convenient hard plastic clamshell case for protection and organization. Not rated for use with impact tools.

Sizes included:

- Standard Torx: 1/4" Sq Dr T6, T8, T10, T15, T20, T25, T27, T30
- Standard Torx: 3/8" Sq Dr T40, T45, T50, T55
- Standard Torx: 1/2" Sq Dr T60, T70
- External Torx: 1/4" Sq Dr E4, E5, E6, E7, E8
- External Torx: 3/8" Sq Dr E10, E12, E14, E16
- External Torx: 1/2" Sq Dr E18, E20, E22, E24
- Torx PLUS: 1/4" Sq Dr TP8, TP10, TP15, TP20, TP25, TP27, TP30
- Torx PLUS 3/8" Sq Dr TP40, TP45, TP50, TP55
- Torx PLUS 1/2" Sq Dr TP60
- Torx Tamper Resistant 1/4" Sq Dr TT8, TT10, TT15, TT20, TT25, TT27, TT30
- Torx Tamper Resistant 3/8" Sq Dr TT40, TT45, TT50, TT55
- Torx Tamper Resistant 1/2" Sq Dr TT60
- External Torx PLUS 1/2" Sq Dr EP24



NEW

✓ 5932-24 FREE WHEN PURCHASING 5900A-PLUS



### 5932-24

#### External Torx PLUS Socket

OTC 5932-24 is a 24mm External Torx PLUS Socket specially designed with a reduced chamfer for immediate "lobe to bolt head" hook up. Required for the 2017 Ford Super Duty pick-up bed where a low profile 24mm Torx PLUS bolt head is used. S2 Steel gives excellent durability and the industrial finish resists corrosion. Limited Lifetime Warranty. Not rated for use with impact tools.

NEW



#### TORX® Individual Socket Sets

##### 6100

Standard TORX® Socket Set T10 – T60 (12 pc)

##### 6151

External TORX® Socket Set (7 pc)

##### 5905

Tamper-Resistant TORX® PLUS Socket set (11 pc)

##### 6145

Tamper-Resistant TORX® Socket set (7 pc)

##### 5931

External Torx® PLUS Socket Set (8 pc)

##### 5942

XZN Super Short Socket Bit Set (8 pc)

##### 6160

Fraction Hex Socket Set (7 pc)

##### 6170

Metric Hex Socket Set (7 pc)

##### 6180

TORX® Plus Socket Set (9 pc)

##### 5933

MortorQ® Super Bit Set (5 pc)



6100



5933

NEW



### 6792

#### Transmission Fluid Refill with Adapters

- Connect to shop air supply to extract or dispense fluids
- Automatic pressure relief for safe operation
- Switch between Dispensing and Extraction by simple turn of valve
- Easy "Push On" quick connects, and Trigger lock for continuous flow
- Includes universal flexible nozzle
- Includes the 6792-EDB Extraction Dispenser Bottle and 6792-TFA Transmission Fluid Adapter (14 piece "OE style" ATF adapters)

NEW



NEW



### 6792-EDB

#### Extraction Dispenser Bottle

- Connect to shop air supply to extract or dispense fluids
- Automatic pressure relief for safe operation
- Switch between Dispensing and Extraction by simple turn of valve
- Easy "Push On" quick connects, and Trigger lock for continuous flow
- Includes universal flexible nozzle

### 6792-TFA

#### Transmission Fluid Adapters

- 14 piece "OE style" ATF adapters
- Vehicle application reference included
- Convenient storage case

NEW



8203S

8203L

### 8203S

#### OTC Handled Pry Bars (3 PC)

- Includes 8", 12", and 18" lengths
- Dual durometer handle for great ergonomics
- Striking cap - contacts bar - protecting handle

### 8203L

#### OTC Handled Pry Bars (3 PC)

- Includes 24", 36", and 48" lengths
- Made in USA
- Dual durometer handle for great ergonomics
- Striking cap - contacts bar - protecting handle



### 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.



### 6980 Brake Drum and Rotor Puller

- Handles large components such as brake drums, rotors, drive wheels, gears, flywheels, and pulleys.
- One person can easily set the tool in place and use for tough pulls even where there is little access to insert the jaws.
- Spread to 12-3/4" and 5" of reach.
- 7-tons of force, yet weighs less than 10 pounds.
- Can be used with air tools to reduce time and fatigue.



### 5943 9-Piece Power Driver Socket Extensions

The new 5943, 9 piece Power Driver Socket Extension set from OTC adds versatility to your existing power tools and socket sets. Each extension uses a 5/16" hex shank for adjustable chuck drills with 1/4", 3/8" or 1/2" square drive on the other end for sockets. 3 square drive sizes - 1/4", 3/8" and 1/2" and 3 lengths for each - 2" 6" and 12". Now use your sockets with your cordless power tools for short, medium and long reach applications. The 5943 is a great choice for running up multiple bolts like oil and transmission pans or rear ends instead of ratcheting each one by hand. Save your time for proper torquing instead of hand turning your bolts. Limited lifetime warranty.



### 6617 Alternator Pulley Service Kit

- Overrunning alternator pulley and Overrunning alternator decoupler pulley are designed to extend belt life and belt tensioner life.
- These tools hold the alternator shaft still so the pulley can be removed or installed.
- Kit includes: Decoupler tool assembly, 17 mm hex drive, 17 mm Allen wrench 110 mm socket extension, 28 mm / 21 mm hex cap nut driver, 28 mm / 18 mm hex cap nut driver, 22 mm hex cap nut driver



### 6616 GM Water Pump Holding Tool

- Holds timing chain in place so water pump can be removed for service.
- Special design allows easy installation regardless of timing chain orientation, and prevents bolts from falling into the timing case.
- Simply remove access plate from front cover and install the tool.
- Tool saves costly loss of timing on 2002-current GM 2.2L and 2.4L EcoTech motors found in Chevrolet, Oldsmobile, Pontiac, and Saturn platforms.

## OTC Lubrication Service



**2300**

### Professional Lever Grease Gun

- Heavy duty die cast aluminum grease gun head.
- Grease gun head fitted with automatic air bleeder.
- Large diameter piston for working in cold.
- Built-in variable stroke for greasing fittings with limited access.
- Includes 6" bent steel extension, easy access 24" high pressure hose and 3 jaw slim coupler.
- 10,000 PSI.
- For use with 14 oz. grease cartridge.



**2304**

### Professional Pistol Grease Gun

- Heavy duty die cast aluminum grease gun head with integrated die cast fixed handle.
- Grease gun head fitted with automatic air bleeder.
- Large diameter piston for working in cold.
- Built-in variable stroke for greasing fittings with limited access.
- Includes 4" straight steel extension, easy access 24" high pressure grease hose and 3 jaw slim coupler.
- 7500 PSI.
- For use with 14 oz. grease cartridge.



**2310**

### Air Operated Grease Gun- Continuous Flow

- Heavy duty die cast aluminum grease gun head.
- Grease gun head fitted with automatic air bleeder.
- Larger pumping chamber, honed for rapid operation.
- Includes 6" bent steel extension, easy access 24" high pressure grease hose and 3 jaw slim coupler.
- 4800 PSI.
- For use with 14 oz. grease cartridge.



**2332**

### Quick Connect Greasing Accessory Kit

- 7 piece Quick Connect Greasing Accessory Kit
- Includes 1 each of the following quick connect Accessories:
  1. Recessed lube adapter.
  2. Angle lube adapter.
  3. Narrow needle nose adapter.
  4. Seal off dispenser.
  5. Right angled grease coupler.
  6. Heavy duty hose fitted with spring guard and slim coupler.
  7. Grease injector needle 1.42" long x 18G.

**2340**

### Heavy Duty Grease Gun Holder

- Great grease gun storage accessory.
- Can be mounted to walls, machinery, or heavy equipment.
- Design to retain your grease gun in high vibration environments.
- Works with all standard 14 oz. grease guns and 16 oz. suction guns.



**2352**

### Lever Action Bucket Pump

- Fits 5 gallon pails.
- Includes 12" drum cover.
- 3 position handle for different fluid viscosity.
- Steel discharge spout.
- Supplied with 5' hose.
- Up to 4.6 oz. / stroke.
- For use with transmission differentials and heavier oils.



**2359**

### Suction Oil Gun

- For use with gear oils to get them both into/out of gear boxes, transfer cases and differentials.
- 16 oz capacity and 14" hose.



**2357**

### Brass Transfer Pump

- Drain oil from crankcase or ATF through dipstick tube – from underhood – not undercar.
- Pumps 3.2 oz per stroke.

**2421**

### Safety air blow gun, snub nose rubber tip

- Impact and Weather resistant Nylon Body.
- Safety Venting in all tips.
- Corrosion Resistant Stainless Steel Nozzles.
- Drop Resistant Construction.
- Soft Rubber Grip and ergonomic design for convenience and comfort in extended use.
- Brass threaded air inlet.
- Variable speed trigger for control of amount of air dispensed.
- Conforms to OSHA STD 1910-95 (b) for max noise level when used with 90 PSI air pressure.
- Conforms to OSHA STD 1-13.1 for safety and are classified as safety Blow Guns.







### 4410 Master Bushing Drive Set (33 piece Metric & Standard)

- Enables you to remove and install bushings ranging from 10mm to 42mm in diameter, and 3/8" to 1-3/8" in diameter, as used import cars, trucks, tractors, construction equipment, electric motors, and many other components having bushings.
- Includes large, medium, and small driver handles and adapters all made of steel.
- Housed in a blow-molded storage case.



### 4505 Bushing Driver Set (19 piece)

- Enables you to remove and install bushing ranging from 3/8" to 1-3/8" in diameter, as used in cars, trucks, tractors, construction equipment, electric motors, and many other components having bushings.
- Includes: Large, medium, and small driver handles with nuts; sixteen bushing adapters ranging from 3/8" to 1-3/8".
- Housed in a blow-molded storage case.



### 4407 Metric Bushing Driver Set

- 14-piece tool kit for motorcycles, Asian and European vehicles contains adapters: 10-12 mm, 14-16 mm, 15-17 mm, 16-18 mm, 18-20 mm, 20-22 mm, 22-24 mm, 25-27 mm, 28-30 mm, 30-34 mm, 32-36 mm, 35-40 mm, 38-42 mm; one small driver handle; one medium driver handle; one large driver handle.
- Aluminum construction won't mar the bushing or affect bushing tolerance, which is critical for efficient operation of the engine, transmission, and hubs.



### 4605 Interchangeable Punch and Chisel Set

- Safety protective handle allows easy grip and protects hand from being hit by hammer.
- 12 punches and chisels included: 5 flat chisels: 1/2", 5/8", 3/4", 7/8", and 1" wide blades 1 cape chisel: 1/4" wide blade 2 taper punches: 1/8" and 1/4" diameter 2 pin punches: 3/16" and 1/4" diameter 2 center punches: 1/8" and 3/16" diameter
- Double locking ball detent holds punch or chisel securely in the driver handle.



### 4507 Bearing Race and 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 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".



### 4408 Bearing Race and Seal Driver Kit

- The Bearing Race and Seal Driver Kit provides a convenient way to smoothly and quickly position a bearing in the inner hole of an axle.
- The kit includes a handle grip and six heavy duty bearing drivers. The drivers have different diameters in order to match different-sized bearings, and three of the drivers are formed with two different diameters.
- Bearing Driver Sizes: 1.555" (39.5 mm) 1.752" (44.5 mm) 1.968" (50.0 mm) 2.322" (59.0 mm) 2.48" (63.0 mm) 2.559" (65.0 mm) 2.834" (72.0 mm) 2.992" (76.0 mm) 3.189" (81.0 mm)



### 4629 Brass Hammer and Punch Set

- Brass-head hammer and punches are ideal to use where sparks from ferrous metals would be hazardous, or where precision metal parts could be damaged by steel tools.
- Two hammer head weighing 24 and 12 oz.
- Two tapered punches 14" x 5/8", 10" x 5/8".
- One hex tapered punch 8" x 5/8".
- Two drift punches 10" x 3/4", 8" x 1/2".
- Two pin punches 6" x 3/8", 4" x 1/4".



### 4606 Brass Hammer and Punch Set

- Brass-head hammer and punches are ideal to use where sparks from ferrous metals would be hazardous, or where precision metal parts could be damaged by steel tools.
- Hammer head weighs 24 oz.; brass drift punch is 10" x 3/4" diameter; brass tapered punch is 8" x 5/8" hex tapered to 3/8" diameter point.



### 4602 Brass Punch Set (2 piece)

- Two large, brass non-sparking punches. Ideal for use near precision parts or in locations where sparks from ferrous metal could be hazardous.
- Includes an 8" punch (5/8" hex, tapered to 3/8") and 10" straight



### 7103 O-Ring / Oil Seal Pick Set

Fishing a stubborn o-ring or oil seal out of its seat is easy if you have this pair of picks in your toolbox.



### 8260M Short/Long Pick & Hook Set (14-Piece)

- Combines 8260, 8262 and 8263 sets.
- Packaged in molded trays which can be placed in tool drawer.



### 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.



### 8262 Short Pick & Hook Set (4-Piece)

- Consisting of four (4), 6.5", soft-handled picks.
- They are sturdy, with both stainless steel shafts and tips, with assorted tip shapes designed for marking, removing o-rings, accessing snap rings and other assorted applications.
- Ergonomic handle design fits properly in the hand, allowing for easier holding of the tool.
- Multi-use tools to scribe, align pierce, clean or remove o-rings, shaft seals, cv boot and motorcycle fork seals and dust hoods.
- Packaged in a molded tray which can be placed in tool drawer.



### 8263 Long Pick & Hook Set (4-Piece)

- Consisting of four (4), 9.25", soft-handled picks.
- They are sturdy, with both stainless steel shafts and tips, with assorted tip shapes designed for marking, removing o-rings, accessing snap rings and other assorted applications.
- Ergonomic handle design fits properly in the hand, allowing for easier holding of the tool.
- Multi-use tools to scribe, align pierce, clean or remove o-rings, shaft seals, cv boot and motorcycle fork seals and dust hoods.
- Includes a knurled shaft which allows good grip with grease or oil on hands.
- Packaged in a molded tray which can be placed in tool drawer.



### Seal & Bearing Driver Sets

Now you can have the proper-size driver for nearly any automotive seal, bearing, or bushing installation job. These sets include discs and handles, spacers and drivers.

- Discs range from 1/2" to 4-1/2" in diameter, in 1/16" increments.

#### 27793

Starter set. Includes a handle and discs (5/8" to 2" diameter) specially selected to provide the driver sizes usually needed in automotive service. Includes plastic storage box.

#### 27794

Basic set. Includes two handle sizes and 41 discs, ranging from 1/2" to 3" diameter along with plastic storage box and insert.

#### 27797

Master set. Includes three handle sizes and 65 discs, ranging from 1/2" to 4-1/2" diameter.



#### 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.



#### 7024

### Automatic Transmission Clutch Spring Compressor

- This is a handy, adjustable tool for removing or installing the snap ring on a transmission rear clutch piston. It applies pressure to the clutch drum's retaining washer to compress piston return springs.
- For use on most American cars and light trucks.



#### 4508

### Professional Style Seal Puller

- Designed to remove oil and grease seals when servicing cars, SUVs, & light trucks without damaging the housing or bearing.
- Hook tips in two sizes and professional handle design allows removal of hard-to-get-at seals by getting under them.
- The tool is 12" long and the hook tip is doublesecured (versus competitors' designs), for durability.
- An extra blade is included.

#### 6611

### Transmission Line Disconnects

- Used on 2001 to current Chevrolet Corvette with the 4L60E transmission, and 2003 to current Cadillac CTS with the 5L40E transmission.
- 6 per pack.



#### 6579

### Transmission Disconnect (2 pack)

- Designed to disconnect transmission lines on Ford
- Taurus/Explorer 2005 and newer.



#### 6593

### Ford Transmission Cooler Line Disconnect Set

- Snap around cooler line, push into the fitting, fitting releases. The cooler line can then be removed.
- 3/8" disconnect is used on 2003–newer Ford Explorers with the 5R55W transmission.
- 1/2" disconnect is used on 2003–newer Ford Super Duty trucks with the 4R100 transmission.



#### 6517

### Disconnect Tool Set

- Designed for A/C lines, fuel lines, and transmission cooler lines.
- Contains 3/8", 1/2", 5/8", and 3/4" spring lock disconnect tools for A/C lines on Ford cars and trucks, Chrysler and Jeep vehicles.
- Contains the 3/8" and 1/2" fuel line disconnect tool for Ford vehicles.
- Contains the 5/16" and 3/8" fuel line disconnect tools for GM and Chrysler vehicles.
- Contains the transmission oil cooler line disconnect tool used on many GM and Ford vehicles.



#### 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.



### Fluid Evacuation / Brake Bleeding Tools

- Bleed brake systems and remove a variety of fluid from vehicles, such as antifreeze, oil, transmission fluid, and gear lube.
- 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.

#### 8100

Operates by shop air or a hand pump; shipped complete with a brake bleeding hose, fluid evacuation hose, and two suction hoses (6 mm and 7 mm); 10-liter capacity tank.

#### 8101

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

#### 4422

### Pilot Bearing Puller

- Use to pull a pilot bearing from the end of the crankshaft.
- A restriction plate catches the bridge and prevents the jaws from spinning when force is engaged.
- The "Tee Handle" design is easy-to-use and eliminates need for other tools.
- Spread covers ranges of 1/2" to 1-1/2".
- Reach has a min/max range of 3/16" to 1".



#### 885

### Adjustable Hook Spanner Wrench

- Here's a tool that's needed wherever turret adjusting nuts or packing gland nuts are used.
- Capacity is 1-1/2" to 4".
- Handle is 24" long, 11/16" diameter.



### Pilot Bearing Pullers

Designed to pull flywheel pilot bearings in closequarters where a slidehammer cannot be used. Operates on many models with engine in chassis.

#### 7318

Pilot bearing puller. Capacity: 1/2" to 1-1/2". I.D. reach: 3/4".

#### 7319

Pilot bearing puller. Capacity: 7/8" to 2". I.D. reach: 1".

### GM Engine Tools



**6685**  
**GM IN-LINE 4-CYLINDER CAM TOOL SET**  
 Comprehensive tool kit designed to save time when servicing GM 4-cylinder engines.



**6687**  
**GM 6 Cylinder Cam Tool Set**  
 • Required tools to adjust and hold cam shaft timing on GM 3.0 and 3.2 V-6 engines.  
 • Kit is designed to save shop time when servicing GM 3.0 and 3.2 V-6 engines.



**6686**  
**GM NorthStar V8 Cam Tool Set**  
 Kit is indispensable for quickly and correctly servicing GM NorthStar 4.0L and 4.6L V8 engines.



**6688**  
**GM In-line 5, 6, or V6 Cam Tool Set**  
 • Comprehensive tool kit designed to save time when servicing GM 5-, 6-cylinder engines.  
 • Tools are actually easier to use than the original OE essential tools.

### Ford Engine Tools



**6918**  
**Ford Spark Plug Remover Kit, 3V Engine**  
 • Unique design helps prevent breakage by locking the plug porcelain core to the plug hex allowing it to turn as one complete unit.  
 • Will also pull plug porcelain core if plug hex only is removed.  
 • Detailed Instructions to maximize success rate.  
 Works on:  
 • Ford 4.6L 3V V8 engines used in 2005–2008 Mustang, 2006–2008 Explorer.  
 • Ford 5.4L 3V V8 engines used in 2004–2008 F-Series, 2005–2008 Expedition, 2005–2008 Lincoln Navigator.  
 • Ford 6.8L 3V V10 engines used in 2005–2008 F-Series 250-350-450.



**6684**  
**Ford 3V Valve Spring Compressor**  
 • Designed to compress valve springs on a Ford 3V 4.6L & 5.4L.



**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.



**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.



**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 – later.  
 • 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 – later.  
 • Application guide with diagrams and blow molded case included.



**6489**  
**Ford Cam Tool Kit**  
 • Ensure proper cam timing when you replace a head gasket, replace a timing belt or chain, or complete any valve train repair.  
 • The 22 tools in this Master Kit covers 1992 through 2012 applications and comes in a molded storage case.  
**Service the following engines:**  
 - 4.6L/5.4L/6.8L Modular; 3.8L V6  
 - 4.2L V6/5.0L V8; 3.0L Taurus  
 - Windstar; 4.0L V6 Aerostar  
 - Ranger and Explorer - 2.0L DOHC Zetec



### 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



4246

**4247**

Adds an OTC 2510A air/hydraulic pump to make bushing service faster and easier

- Includes everything in the 4246 kit



4247

**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

**NEW**



4250

**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



4274

**4275**

Adds an OTC 2510A air/hydraulic pump to make bushing service faster and easier

- Includes everything in the 4274 kit



4250

**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

**NEW**



4254

**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.



**5280**

#### 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.



## NEW Diesel Exhaust Fluid (DEF) Transfer Equipment



**NEW**

### 4342 DEF Electric Pump Tote Kit with Dispenser Coupler

The Electric DEF Pump Tote Kit quickly transfers fluid from DEF totes. The kit includes everything needed to pump DEF into barrels for easier transport and refilling of vehicle systems. It includes the OTC 4338 Electric Pump, a manual nozzle, hoses and brackets to mount to a standard DEF tote. Additionally, it includes the OTC 4333 Dispenser Coupler to keep moisture out of the container, maintaining high levels of DEF concentration and fluid effectiveness. (Drum and tote not included.)

### 4341 DEF Electric Pump Tote Kit

Same as the 4342 does not included 4333 Dispenser Coupler.



**NEW**

### 4344 DEF Electric Pump Drum Kit with Dispenser Coupler

The Electric DEF Pump Drum Kit quickly transfers fluid from DEF totes to barrels. The kit includes everything needed to pump DEF into barrels for easier transport and refilling of vehicle systems. It includes the OTC 4338 Electric Pump, a manual nozzle, hoses and brackets to mount to a standard DEF tote. Additionally, it includes the OTC 4333 Dispenser Coupler to keep moisture out of the container, maintaining high levels of DEF concentration and fluid effectiveness. (Drum and tote not included.)

### 4343 DEF Electric Pump Drum Kit

Same as the 4344 does not included 4333 Dispenser Coupler.



**NEW**

### 4333 DEF Dispenser Coupler

The reusable DEF Dispenser Coupler helps maintain diesel exhaust fluid concentration and purity by preventing contamination. It connects and disconnects easily from compatible containers including 55-gallon drums and DEF totes. Viton seals nearly eliminate leaks and stainless steel construction provides extra durability and reliability.



### 4334 Digital Turbine DEF Flow Meter

OTC's DEF Digital Turbine Flow Meter accurately measures fluid volume transferred for DEF, windshield washer fluid and other water-based fluids, even in severe weather conditions. It is designed for measurement in-line or end-of line when used with a dispensing nozzle. The digital display shows fluid transferred in quarts, pints and gallons and uses two AAA 1.5 volt batteries. Polyamide construction ensures a strong and protective housing for durability and a long work-life.



### 4339 Air Operated DEF Pump

OTC's Air Operated DEF Transfer Pump uses compressed air to pump and quickly move DEF and other fluids. It is designed to be mounted to drums from 15 to 55 gallons using its built-in 2" bung adapter. A versatile and industrial design enables the pump to also move engine oil and antifreeze without damage.



### 4337 Rechargeable Electric Pump

This Rechargeable DEF Transfer Pump makes dispensing diesel exhaust fluid easy in remote locations. A flow rate of 6 gallons per minute with a charge that lasts 15 minutes can transfer up to 90 gallons on a single charge. It is lightweight and easy to use with drums or totes with a telescoping inlet tube and flexible hose. Included with the pump is a one-hour quick charger, a lithium-ion battery and a manual nozzle.



### 4338 Electric DEF Transfer Pump

The 115 volt 3.0 amp electric DEF pump can pump at a rate of 9 gallons per minute for 30 minutes for more heavy usage. Generating .5 horsepower with speeds up to 2850 rpm, the pump can quickly move up to 270 gallons in 30 minutes. Lightweight construction makes it easy to transport while still being capable of withstanding rain and is engineered to pump water and antifreeze in addition to DEF.



**NEW**

### 4336 Hand Operated DEF Pump

The lever-action barrel-style hand pump pulls DEF from 15 to 55-gallon drums with a 2" opening without any electricity or compressed air. The hand-operated pump is ideal for low-volume DEF transfer in the field or the shop. A lightweight and durable design features a long telescoping inlet tube and flexible outlet hose. The multi-purpose design can also be used with engine oil, antifreeze, and windshield washer fluid.



### 4340 Air Operated Double Diaphragm DEF Pump

The Air Operated Double Diaphragm DEF Pump makes quick work of large-volume DEF transfer. It easily installs on most containers or free-floating in fluid. A versatile design can transfer contaminated liquids when cleaning out pits and, when properly installed, is capable of submersed operation. It can also pump antifreeze, ethanol and waste water.



### 4335 Auto Shut-Off DEF Nozzle

A dual-mode automatic DEF control nozzle that can be held open manually or locked to control flow of fluids. It will automatically shut off once the DEF level in the tank reaches the outlet discharge spout to avoid spilling or overfilling. It has a heavy duty stainless steel cast body with a polyamide cover for durability and protection. It can also be used with other water-based fluids and E85.



### 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 load in 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.



1819, 1820

### 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.



5269

### 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

### 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



5077A

### 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).

### 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

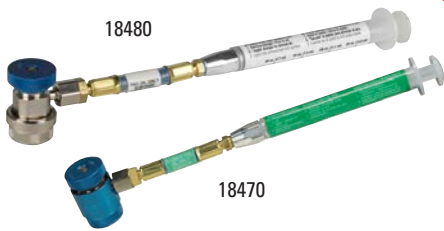
Fast and Accurate. "Pass" and "Fail" lights clearly show if refrigerant is pure enough to be recovered.

#### 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.

