Want to see your car on the cover of Muscle Tools this year? Send us a photo and information at otctools.com/musclecar

## **Featured in this issue:**

- John Mathis: 1969 Chevrolet Camaro SS
- · John's favorite road to drive it on: drag strip
- John's favorite memory with the car: winning my first NHRA Walley in 2002
- The song John is listening to when he drives it:
- Repairs/services performed on the car: restored top to bottom and front to back.



# encore

# NEW TESTS AND UNBEATABLE LIGHT-DUTY DIESEL COVERAGE

- Industry-leading Duramax, Powerstroke and
- Cummins coverage
  New Ford power balance test clearly shows
- cylinder output power Expanded 16-PID data stream

Bosch ESI[truck]

Repair Information

Subscription

Updated Identifix repair information for 2016



3824-08R

#### OTCTOOLS.COM/PROMOTIONS **PROMOTIONS BOSCHWHEELSERVICE.COM/PROMOTIONS**

# DIAGNOSTICS FOR LIFE

RECEIVE A BOSCH POWER BOX 360C JOBSITE STEREO WITH PURCHASE OF AN OTC ENCORE



✓ LIFETIME WARRANTY\* ✓ FASTEST TO FIX ✓ EXPANDED COVERAGE

VALID JULY 1 - DECEMBER 31, 2016



#### **BRING MORE COVERAGE, SPECIAL TESTS** AND PROCEDURES TO YOUR SHOP

OTC continues to add enhanced diagnostics coverage and tests to the Encore along with a lifetime hardware

# No tool helps you fix faster than OTC Encore

- First OTC tool with Bosch coverage database for European vehicles, including Mercedes-Benz, BMW and Volvo
- Identify most CAN vehicles in less than 5 seconds
- Read and clear codes in seconds • Access top reported code fixes in seconds
- Extended-hours tech service days, nights and Saturdays. Call 888-789-2602

- **BOSCH POWER BOX 360C** • Bluetooth connectivity for internet radio and stored music with range of up to 150-feet
- Four-way speakers and a subwoofer project 360 degree sound
- Protective aluminum/rubber roll cage
- Runs on Bosch 18-Volt Lithium-Ion batteries or plugged into a 120-Volt AC outlet
- Four-way power outlets

# **HOW TO PARTICIPATE & REDEEM**

Visit boschrebates.com

# Receive a \$750 Rebate with the purchase of a

End User Promotion

Bosch On Car Brake Lathe





- Quick and easy mounting fits on every vehicle!\*
- ► Only one adapter
- ▶ Less parts
- Easy storage ► Ergonomic and Compact

\*With ear style mount caliper.

Offer available from July 1, 2016 – September 31, 2016.

Scan to see the marketing video on the OCL8850

How to redeem Visit www.boscrebates.com to participate.

# WIN OTC TOOLS THIS

**SHOW US YOUR SHOP AND WIN** 



# **VISIT FACEBOOK.COM/OTCTOOLS TO ENTER**

- Show us your shop on Twitter or Instagram and use #WinOTCTools.
- One technician will be chosen at random each week to win specialty tools to help them fix faster You can win new tools each week through September 30 just by showing us what you're working on
- Visit OTCTools.com/WinOTCTools for more information.

# \$75 REBATE

WITH THE PURCHASE OF 5077A OR 5097 TRANSFER TANKER



**VALID APRIL 1 - DEC. 31, 2016** 

# **TRANSFER TANKERS**

Draining oil from a large displacement engine and getting it to your bulk storage container is a snap with OTC's Transfer Tankers.

5077A - Low profile Transfer Tanker is only 7-1/2" from floor to top of reservoir. Comes equipped with an electric pump (No. 528093).

5097 - Low profile Transfer Tanker is only 7-1/2" from floor to top of reservoir. Comes equipped with a pneumatic pump (No. 529966).

# **HOW TO PARTICIPATE/REDEEM**

Visit boschrebates.com

# Receive a \$250 Rebate

with the purchase of a CE4275 Tire Changei





BSD-TCE4275E - Swing Arm Tire Changer 28" 2 Speed Electric Turntable

BSD-TCE4275EC - Swing Arm Tire Changer 28" 2 Speed Electric Turntable, Ergonomic Bead Breakers BSD-TCE4275EH - Swing Arm Tire Changer 28" 2 Speed

Electric w/ Helper Assembly

BSD-TCE4275EHC - Swing Arm Tire Changer 28" 2 Speed Electric Turntable with Ergonomic Bead Breaker and Helper Assembly

**BSD-TCE4275A** – Swing Arm Tire Changer 28" Air Turntable BSD-TCE4275AC - Swing Arm Tire Changer 28" Air

Turntable with Ergonomic Bead Breaker BSD-TCE4275AH - Swing Arm Tire Changer 28" Air

Turntable Helper Assembly BSD-TCE4275AHC - Swing Arm Tire Changer 28" Air

Turntable Helper Assembly with Ergonomic Bead Breaker

## Offer available from July 1, 2016 through December 31, 2016.

# How to redeem

Visit www.boscrebates.com to participate.

OTC

Fastest code-to-fix® with a lifetime warranty

## Includes one year of coverage and special tests updates

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

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

- Quarterly software updates include new vehicle coverage, special tests, confirmed fixes and more.
- First OTC tool with Bosch coverage database for European vehicles, including Mercedes-Benz, BMW and Volvo
- · AutoID most CAN vehicles in less than 5 seconds
- · Read and clear codes in seconds · Access top reported code fixes in seconds
- Extended-hours tech service days, nights and Saturdays. Call 888-789-2602.

#### 30 Years of Unmatched OE Coverage

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

#### 3893

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

#### 3893-LTW

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

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

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









3893



3893-LTW

#### 3895

#### **Genisys Touch**

- Includes a ruggedized 10" high resolution display tablet, J2534-1 / -2 compliant Vehicle Communications Interface (VCI), 10 OEM adapters, OBD II cable, USB cable, 12V power cable, AC power supply and custom carrying case.
- AutoDetect<sup>™</sup> GenisysTouch software automatically detects and alerts the technician of on-tool or web-based repair information.
- EmbeddedTraining Videos.
- · Videos within live diagnostic sessions don't interrupt workflow connectivity.
- Partner up with the included OTC J2534 Communication Device. Or pair up with the optional.
- PC-based 2-Channel Tech-Scope® or TPR Tool via long-range Class 1 Bluetooth®.
- Shorten your diagnostic time, maximize billable labor hours and get the repair done from Code-to-Fix®.



# Your one-stop shop for OEM tools



## **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
- Enhanced 802.11 wireless that minimizes dependencies on service department wireless capability infrastructure.

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

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.





# F00F901631

# **Bosch Mastertech VCI**

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

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

F00E901632 Bosch Mastertech VCI Aftermarket

**Diagnostic Software** – Includes the final release of Shop Foremen Pro and ESI 2.0.

\* OEM dealer diagnostic software is purchased separately from vehicle OEM websit

# **OTC Leak Tamer 30-Day Satisfaction Guarantee**

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

# **OTC EVAP - Leak Detection System**

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



# Available now -13,000 confirmed **HD** diagnostic fixes

New ESI[repair] subscription service

# **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.

#### **NEW 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 symptopms with repair information viewed while still in diagnostic mode.

#### **TRUCK COVERAGE**

Trucks: Freightliner, International, Kenworth, Mack, Volco, Peterbilt, Sterling, Westernstar, MDTrucks (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.

**WINDOWS 7 TABLET SCANTOOL** 

#### Includes VCI, 6 pin and 9 pin cables 3824BSC

#### **SCAN KIT**

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

#### 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

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







3824-08

Watch the tool used at a local shop.

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

Quickly test charging and starting system health without disconnecting leads

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

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





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





# 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



# **OTC Digital Battery Tester**

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



# 4639

# **Battery Terminal Service Kit**

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



ROBINAIR





# MUSCLETOOLS Diagnostics / Transmission / Tire / Brake



## 1000V CAT III Hybrid Multimeter

OTC 1000V CAT III hybrid multimeter with Insulation Test. A full function multimeter with an insulation test feature is used to test for voltage leaks through insulation found on Hybrid and Electric Vehicles.

#### Features:

- HvBrid Insulation
- Resistance Test
- True RMS
- Diode Test
- · Continuity Buzzer
- Auto Ranging
- Data Hold
- Data Logging Display Backlight
- Min/Max Mode
- Sleep Mode Low Battery Display

# **Genisys EVO® New 2014 Software**

#### 3421-152

## 2015 Super Bundle Kit

- Everything needed to update a Genisys EVO
- Includes 2015 Domestic/Asian, 2014 European, 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 and 2014 European

## 3421-154

## 2015 System 5.0

## **4GB Memory Expansion Kit**

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

# Encore/Genisys Touch HD



# OTC-3895-07

# **OTC Heavy-Duty Standard**

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

# OTC-3895-08

## **OTC Genisys Touch** 12 Month Software Subscription



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

# 3834T

#### **OTC TPR Activation Tool VEHICLE COVEAGE** THROUGH 2016

- · Lower cost kit for use with the GenisysTouch 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  $subscription\ from\ www.tpmsupdates.com$



# 3415

# OTC CAN Test Box Breakout Box for Scan Tools

- Connects between Diagnostic Link Connector (DLC). Connect leads for increased diagnosis, analysis.
- **Useful Functions**
- LEDs display signal detection Flashing LED's
- Magnifies DLC

and monitoring.

• Displays battery voltage with warning

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



## **OBD II, CAN, ABS & AIRBAG EPB BRAKE CALIPER RESETS, BRAKE BLEED TESTS, BMW BRAKE ZEROING TEST**

#### STEERING ANGLE RESETS

#### **ABS COVERAGE**

1996-2012 Audi, BMW, Jaguar, Land Rover, Mercedes Benz, Smart, Volkswagen, Volvo 1996-2013 GM, Ford and Chrysler 1996-2013 Toyota, Honda, Hyundai and Nissan

**POWERTRAIN & ABS DATASTREAM** 

#### AIRBAG (SRS) COVERAGE

1996-2013 GM, Ford and Chrysler 1996-2013 Toyota, Honda, Hyundai and Nissan

### **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

# Transmission / Drive Axle



# 7445

# **Chrysler Transmission Dipstick**

The OTC 7445 is for the Chrysler vehicles that didn't come with factory installed dipsticks. Fits Dodge Sprinter and Chrysler Crossfire transmissions, 2003 to current.



# **Chrysler Transmission Dipstick**

The OTC 7446 is for the Chrysler vehicles that didn't come with factory installed dipsticks. Fits Chrysler, Dodge, Jeep and Volkswagen with NAG1, 42RLE, CVTransmissions, and 62TETransaxle.

# **OTC Tire Service**



# 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 and 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)



## 6720-4

Covers sizes 11/16" to 7/8" (17mm to 22mm). NOT included in 6720 set. Fits nut sizes found on power steering and AC lines.

# **TPMS Service Made Easy With OTC**

The expected lifespan of tire pressure monitoring system (TPMS) sensors is between 7 and 10 years, meaning many vehicles coming into your shop are already in need or going to be in need of replacement sensors. Use this opportunity to educate your customers on the importance of the TPMS sensors – safety, vehicle awareness and peace of mind.

OTC recently brought a new standalone OBDIITPMS tool to market with basic diagnostics capabilities. Think of it as a TPMS tool with a built-in enhanced code reader. Plug the dongle in to the OBD II port and scan each tire's TPMS sensor. The vehicle will learn and register the sensor position and PSI almost instantly, allowing the relearn procedure to take less than 10 minutes.

## 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.



## 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).



## 3209

## Trilingual OBD II, ABS & Airbag Scan Tool

- ABS & Airbag code and definitions for most 1996-2013 GM, Ford, Chrysler, Honda, Hyundai, Nissan and Toyota vehicles.
- Battery, Alternator and Charging System Monitor.
- Full manufacturer specific code definitions.

• Graph, record and playback live date.

- Updateable USB update cable included. · Live engine data.
- AutoID® Automatically selects the vehicle so you don't have to on most 2000 and newer vehicles.
- View all OBD II global data including Modes 5, 6 & 8.

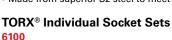
# **Fasteners**

# 5900A

# Master TORX® Socket Set

52-piece, professional socket set in a blow-molded case. Hundreds of applications from front to rear on cars and trucks:

- Seat belt bolts – Engine assemblies
- Interior and exterior trim screws -Tail lamp lenses & assemblies
- Headlight bezels Bumpers Door strikers & latches
   Brake rotor bolts
- GM front-wheel drive front wheel bearings
- -Truck box liners Styles available: TORX, TORX PLUS, tamper-resistant TORX and external TORX.
- Made from superior S2 steel to meet or exceed torque specifications.



6150

# External TORX® Socket Set (7 pc)

6135 Universal Brake Caliper Socket Set (9 pc)

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

5550

Spectrum Solar 10W LED Work

Light with UV

Top Light

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

Tamper-Resistant TORX® Socket set (7 pc)

External Torx® PLUS Socket Set (8 pc)

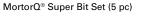
## 5942 XZN Super Short Socket Bit Set (8 pc)

6160 Fraction Hex Socket Set (7 pc)

#### 6170 Metric Hex Socket Set (7 pc)

6180

TORX® Plus Socket Set (9 pc) 5933





5900A

## Spectrum Work Light • AC/DC Rechargeable • Bright LEDs - 50,000 hour life

- Li-Ion battery
- Magnetic base

## Spectrum Trio 9W LED Work Light with 3W LEDTop Light

actron

Slip resistant textured body

• Adjustable 60° angle



#### 5552 Spectrum 30+4 30 Pc. LED Work Light with 4 Pc. LEDTop Light

Impact and water resistant

• Limited Lifetime Warranty



3) 🗥 [ ] (F

4598-DOT3



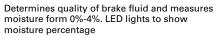
This one man brake bleeding system allows for fast and efficient vacuum brake bleeding. Universal rubber fitting holds securely on brake bleeder screw Attach shop air and use the quick release trigger for on-demand vacuum and hands free operation. Compact size and 17 oz. (500ml) capacity



## 4598-DOT4 DOT 4 Brake Fluid Tester

4598-DOT4

4598-DOT3 DOT 3 Brake Fluid Tester



# **Brake Service**

# Vacuum Brake Bleeder

# **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
- Includes 6" bent steel extension, easy access 24" high pressure hose and 3 jaw slim coupler.
- For use with 14 oz. grease cartridge.



#### 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.
- For use with 14 oz. grease cartridge.

#### **Heavy Duty Grease Gun** Holder

 Great grease gun storage accessory

**Butane-Power** 

4472

**Cordless** 

Solder Tool Kit

Includes: Soldering

iron, conical tip 2.4 mm, chisel tip 2.4 mm, hot

4472-1 - Soldering iron only.

knife tip, deflector tip,

2-Piece Electrical

**Terminal Release** 

**Separator Tool** 

sponge,wrench, and

soldering wire.

Connector

4461

**Tool Set** 

Flameless MicroTorch

 Cordless 650° (1250°F) flameless heat.

• Refillable fuel cell uses

standard butane lighter fluid (butane NOT included).

- Can be mounted to walls, machinery, or heavy equipment.
- · Design to retain your grease gun in high vibration environments.

**OTC Wire Service Tools** 

444

• Works with all standard 14 oz. grease guns and 16 oz. suction guns.



## 2302

### Mini Lever Grease Gun

- Die cast aluminum grease gun head.
- Lever action with best in class performance, delivers 6000 PSI.
- Includes bent 6" steel extension with 3 jaw slim
- For use with 3 oz. grease cartridge.



#### **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
- Narrow needle nose adapter.
- Seal off dispenser.
- Right angled grease coupler.
- Heavy duty hose fitted with spring guard and slim coupler.
- 7. Grease injector needle 1.42" long x 18G.

#### **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.

Crimpwell™ Angled

design accommodates

stranded – 10-22 AWG.

Cutting feature included for quicker preparation.

9" (228mm) in length, with protective grips to

increase leverage and secure crimp.

**Crimping Pliers** 

• Universal crimping

CrimPro™ 4-in-1

**Angled Wire Tool** 

• Crimper, 12-20 AWG

Gripping nose.

• Compact 7-inch design.

insulated & non-insulated wire

• Stripper - strips 12-20 AWG wire. Cutter – ability to make cuts both



## 2350

- Fits 15 55 gallon drums.
- to be placed under spout.
- Up to 14 oz. / stroke
- oils, heavy and light oils, diesel and kerosene



#### 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
- Includes 4" straight steel extension, easy access 24" high pressure grease hose and 3 jaw slim coupler.
- For use with 14 oz. grease cartridge.



# 2334

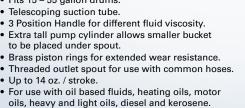
## **Grease Fitting Unblocker**

- Opens clogged grease fittings and loosens
- Comes with grease coupler.
- Includes flexible hose to reach difficult areas.
- Built in hand guard for safe usage.
- Includes two spare piston seals



## **Lever Action Drum Pump**

- · Telescoping suction tube.







**OTC Wrenches** 

**Locking Collar Rack Wrench** Tool wraps over

is locked in place.

component diameter

Permits service or adjustment

**Ratcheting Chain Wrench** 

of components without having to remove end.

• For use with diameters of 1" to 1-7/8" (25.4 mm to

Eccentric shape of chuck automatically adjusts to

1/2" Sq.Dr. for maximum power with Ratchets,

Ideal for steering service, wheel alignment, strut

cartridge, small dia. exhaust, and general pipe adjustment

This multi-purpose tool will grip parts of nearly any

shape. It features a ratcheting head design that lets you turn in either direction without removing wrench

• 19" handle with capacity from 3" to 6-3/4" O.D.

8330

8330-RP

6969

Ratcheting

**Chain Wrench** 

• Ratcheting action makes it possible

square, hexagon, or octagon.

from 3" to 6-1/2" O.D.

to re-grip without removing wrench.

Handles parts of most any shape... round,

• Handle is 24" long; chain grips objects ranging

# 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.

Two replacement discs for 8330.

#### 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

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



You'll have a lot of leverage using one of these rolling head pry bars. The long, tapered body will also serve as an aligning drift.

7163 - Pry bar; 12" long.

**7164** – Pry bar; 16" long. 7165 - Pry bar; 18" long.

7179 - Pry bar; 21" long.

## 1/4" & 3/8" **Cable Cutters**

4476 - 1/4" cable cutter. 4477 - 3/8" cable cutter.





## 9" Self Adjusting Wire Stripper

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



# above and below pivot

5950A

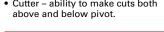
## 5950S **CrimPro**<sup>™</sup>

5947

4813

#### 4-in-1 Wire Tool • Compact 7-inch design.

- Gripping nose
- Crimper, 12-20 AWG insulated & non-insulated wire
- Stripper strips 12-20 AWG wire
- Cutter ability to make cuts both







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

and components. 2 to 1 shrink ratio with flame or heat gun.

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.

actron





# 4 PIECE ROLLING HEAD PRYBAR SET

INCLUDES A FREE PAIR OF OTC SMARTTECH WORK GLOVES (L)

# **4 PC ROLLING HEAD PRY BAR SET FROM OTC**

Includes 6", 12", 16" and 21" lengths for a variety of duties - small - large and in between. Heated to cherry red, upset, then forged and swaged processing creates the tool, then our special thermal treating process locks in the strength you count on. Won't bend or break

WEDGE 'EM, PRY 'EM & NOW HANG 'EM FOR FREE

An upgraded pack of popular tire spoons features the 35" Double End Tire Spoon with Grip Grooves

(5735-35G), 35" Curved/Flat Tip Curved Tire Spoon

(5735-35) and 30" Curved Tire Spoon (5736-30), along with a **FREE rack** (5715) that can be hung

on a toolbox or wall for easy organization.

Front Hub Installer and Puller Set

front hub on Ford vehicles.

Here are three tools that make front hub service

easier. The universal puller removes front hubs from most FWD cars without damaging wheel bearings. The installer is used to pull the axle shaft into the

Spare locknut works with a standard slide hammer puller and the 7208A for rear axle flanges.

push the axle shaft from the front hub. The 7135A, Installer is used to pull the axle shaft into the front hubs on Ford Taurus/Sable vehicles. Fits axle shafts

with 20 mm x 1.5 thread. and the 7924A Installer is used to pull the axle shaft into the front hub.

Fits axle shafts with 22 mm x 1.5 thread on Ford

6576S includes both 6576 & 6577

Contour/Mystique, Probe, and Focus.

**Dodge Hub Service Set** 

• Removes stubborn hubs, using 2 methods.

First, the 6576 Hub Pressing Tool is used to press off

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

dual pattern design fits both the wheel hub and

bearing housing, capable of applying 20 tons of

6576 - Hub Pressing Tool, Fits Dodge

Ford 4WDTruck hubs.

3/4 & 1 Ton 4WD 1994-Present applications.

the hub, the 6577 Hub & Bearing Housing Puller is used. This may separate the bearing, but the unique

6577 - Hub & Bearing Housing Puller, Fits Dodge 3/4 &

1 Ton 4WD 1994-Present applications. Also fits GM and

the hub with the aid of the power steering. The tool

• 6298 includes the No. 7208A, Hub remover to

5735-PACK

NEW SPOON ACK WITH A FREE POON RACK

# **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
- Included Application Guide is the most comprehensive on the market.



## Hydraulic Hub Grappler™ Kit

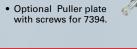
- An economical way to increase the performance and speed of wheel bearing and hub service.
- Kit includes a through hole 9-ton ram, OTC 2510A air/hydraulic pump, 6 ft. hose with couplers, drive screw and nut.
- · Jaws designed and sized to properly fit hub applications and is quickly located on the 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.



# 6574

# **Universal Hub Puller HD with Plate**

- Universal Hub Puller HD the "Final Answer" to frozen hubs, axle shafts, and other tough pulling applications.
- Adjustable sliding puller legs can be positioned anywhere on the puller center hub for a true universalfit on wheel hubs with 5"-8"+ bolt circles.
- Pulling plate allows for quick attachment and an even pull on the popular 5 bolt hubs with 4"-5" bolt
- Forged puller assembly coupled with a 1" drive screw capable of 20 tons of force.
- Drive screw approved for use with an impact gun and can be struck with a hammer.
- Additional puller legs may be added to the center hub for special applications.





# Ford Axle Shaft Seal Installers

vacuum-operated front axle.

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.

# Ford Axle Shaft Seal Installer. Works on 1998-2004

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

Ford F-250, F-350, F-450, and F-550 4X4s having the

# front axle.

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



#### 6575-1

#### Hub Grappler™ Puller

- The new Hub Grappler Puller is specifically designed to apply maximum force with minimal effort from an impact gun to also minimize service time.
- The new jaws are designed and sized to properly fit hub applications and can be quickly located on the puller bar without the use of fasteners.
- The new 3/4" custom drive screw coupled with the special equalizer washer provides smooth operation while the proprietary heat treating extends its life 5-10 times longer than similar designs.



#### 6575-2

## Hub Tamer<sup>™</sup> to Grappler Update Kit

- This kit includes everything to update the previous Hub Tamer Kit to the New Hub Grappler kit
- Includes the Hub Grappler Puller, 6 new adapters, misc. hardware and the new Hub Grappler Application Guide.



## 6575-3

# **Hub Grappler™ Hydraulic Kit**

- The Hub Grappler Hydraulic Option is an economical way to increase the performance and speed of wheel bearing and hub service.
- Kit includes a through hole 9-ton ram, OTC 2510A air/hydraulic pump, 6 ft. hose with couplers, drive screw and nut.



# **Universal Hub Puller**

With its adjustable sliding arms, this puller makes wheel-hub removal quick, easy, and damage free. It has maximum bolt circle of 7-1/2".

- The No. 32937 puller leg is available separately to complete the five necessary for Cadillac and Jeep hub removal.
- Includes striking wrench and puller screw.

# 6574-1

# **Puller Plate**



# Front Hub Puller for 4WD Vehicles

- For removal of the front hub assembly, necessary for wheel bearing or brake rotor service. Provides the mechanical advantage and straight pull not possible with a slide hammer.
- · Will not work on trucks with dual rear wheels

1988-2014 GM 1/2-ton, 3/4-ton, and 1-ton trucks, Tahoe, Suburban, and Yukon. 1994-2014 Dodge 3/4-ton and 1-ton Ram trucks.

1998-2014 Ford 3/4-ton and 1-ton trucks, Excursion.

Slide Hammer Rear Axle Puller

√ FREE HANG RACK INCLUDED.

This puller will enable you to remove flange-type rear axles from most late model cars and light trucks. It works on axles having bolts and studs up to 9/16"

• Fits 4-, 5-, or 6-bolt patterns and stud circles from 4-1/4" to 5-9/16".

7372 - Rear axle pulling plate.

7374 - Rear axle pulling plate with 5-lb. slide hammer assembly.

## **Bearing Cup Remover**

Ideal for servicing hubs on today's popular front-wheel-drive small cars. The cone holds the jaws in place during pulling. Perfect for pulling internal bearing cups, seals, bushings, etc. Jaw spread: 15/16" to 3-1/4", reach to 3-1/2". Use with any slide hammer having a 5/8"–18 thread (OTC No. 1155 or No. 1156 or the No. 927 Push-Puller).



6542 - Bearing Cup Remover.

7136 - Bearing Cup Remover.



# **Hub Clamp Expander Kit**

- For servicing struts, ball joints, or steering knuckles with pinch bolt mounts.
- Remove most stubborn struts and ball joints
- 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.



# 5759

# **Bolt Circle Gauge**

- · Universal and fully adjustable.
- Measures 4, 5, 6, and 8 bolt patterns on wheels
- Measurement units in Inches and MM.

# 8342

#### **Hub Resurfacing Kit** • Fits your power drill to

- quickly sand rust off studs and mounting surfaces where it is important to have a clean and debris
- The tool features a 1/4" dia. shank and a stud clearance pilot hole that accepts up to 1/2" studs.
- Sanding pads attach with Half turn thread.
- Includes holder and five sanding discs.
- Run at speeds between 5,000 20,000 rpm or less for best results.





# **Heavy-Duty Wheel Service Rebates**

\$250 169410005181 Heavy Duty Digital Display Wheel Balancer

\$500 169410021781 Heavy-Duty Tire Changer

\$750 169410021881 Heavy Duty Hydraulic Tire Changer







How to participate/redeem

Visit boschrebates.com

## 28" Swing Arm Tire Changers

- Large & Robust 2-Speed Turntable Delivers users two variable speeds for ultimate control during operation and standard clamping capacity of 28" external and 30" internal.

  - Work faster on average sized tires and delicately on challenging wheel and tire combinations.
- Controlled by an electric moto-inverter allowing for smooth torque ramp up & "slow down/power up".
- Accommodates assembly's up to 47" in diameter and maximum width of 14". • Helper Arm Assembly – An articulating bead depress arm and bead roller which operate independently
- yielding precise control from two points of contact during the tire changing process • Increased Rigidity - The new G-Frame Concept provides Extreme rigidity which greatly reduces mount/demount flexion virtually eliminating damage to wheels and tire.
- Ergonomic Hand Actuated Bead Beaker\* Allows for effortless wheel/bead separation while
- minimizing operator discomfort and maximizing control. Enhanced Inflation Speed – Jaw-integrated inflation system and tower mounted gauge provide

Available Models	CALL FOR PRICE
169410005181	2 Speed Electric w/ HelperAssembly
TCE4275EHC	2 Speed Electric Turntable w/ Ergonomic Bead Breaker and Helper Assembly
TCE4275AHC	Air Turntable Helper Assembly w/ Ergonomic Bead Breaker
TCE4275EC	2 Speed Electric Turntable, Ergonomic Bead Breakers



**FREE Bench** 

with the purchase of

a Bosch Brake Lathe

End User Promotion

CALL FOR PRICE

Purchase a Bosch BL8922L (F00E9002177BNP) or BL8944L (F00E900218BNP) and receive FREE Bench \$69900 value.





BL8944



Offer available from July 1, 2016 through December 31, 2016.

End user promotion Free goods ship with product.

# **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.



# 50 gpm Mechanical Hydraulic Flow Meter

• Flow Accuracy to +/- 4% of full scale • Measures flow from 4 to 54 gpm

\*Depending on configuration

- Pressure up to 6000 psi
- Fluid filled analog gage that dampens vibration
- Temperatures up to 230 deg F Reads flow in one direction
- · No batteries required
- Port is 1-5/16 12 UN JIC Male
- 12.25" x 4.125" x 4.875", weights 14.5 lbs



# 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 Reads flow in both directions, pressure on
- the high side of valve
- · Require 1 9V battery (included)
- Port is 1-5/16" -12UN #16 SAE ORB
- 12.99" x 12.4" x 10.24", weights 17lbs



## **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



# 100 gpm Digital Hydraulic Flow Meter

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



# 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

#### 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 Portable Diesel Particulate Filter Cleaner**

- Robust design for long shop life.
- High pressure cleaning process for thorough cleaning of ash from DPF - produces 10 times the burst energy of competitive low pressure units.
- · Burst Quick Check identifies if filter is too plugged for
- Movable with locking wheels for placement throughout the shop.
- Computer controlled process based on OE requirements for start-to-finish cleaning without constant technician
- 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 resu Its using pin gauge measurement with approved OTC adapters and burst cycles. Actual results may vary.



# 5286

# **OTC Portable Diesel Particulate Filter Cleaner**

- The advent of the 2010 Tier 4 cleaning requirements created the need for a lighter, more portable cleaning system which can be taken into the field to clean filters at the point of service.
- Lightweight and Highly Portable ideal cleaning system for use in the shop or on a service truck.
- Flexibility clean DPF's from 6" to 15.5" in diameter using shop or compressed air of at least 100 PSI. Fully Automated Operation - once started, the cleaning
- process can be completed unmonitored, freeing up technician to simultaneously do other work in the shop. Focused Air Jet Technology™ - concentrates
- a precise high pressure stream of air directly
- 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.



# **Dualmaster Two-Stage Hand Pumps**

Hydraulic hand pump with No. 9584 2-position, 3-way control valve (for operating single-acting rams), and No. 4006 BL2 2-gallon reservoir with legs.

Hydraulic hand pump with No. 9500 3-position, 4-way control valve (for operating double-acting rams), and No. 4006 BL2 2-gallon reservoir with legs.

# 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. Idealfor use with OTC single-acting rams, or similar competitors' rams.



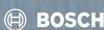
## 6-Ton Capacity Air/Hydraulic Service Jack

#### · 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.
- Lifting range 4-3/4" to 23-1/4",
- reach 87", 45" handle. Covered by OTC Lifetime Marathon Warranty®











ROBINAIR



## **Hendrickson Rear Suspension Bushing Tool Kit**

Replace rusted and frozen heavy-duty rear suspension

- · Patent-pending design is suspension-mounted,
- eliminating the need to hold the tool during operation · Remove and install Hendrickson PRIMAAX EX, COM-FORT AIR, FCCC V RideTM 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

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





## 5130

## OTC 1,000 lb. Capacity **DriveMaster™ Driveline Lift**

- Low profile of 7".
- Lift range: 23" to 30".
- Pivoting pump handle +/- 15° tilt in each direction.
- Includes 553516 differential mounting adapter. Mounts easily using existing bolt patterns. Fits the most common differentials currently in use on Category 7 and 8 Heavy Duty Trucks. Including: Eaton, Fuller, Rockwell, Meritor, Spicer, International, and Mack.
- CE certified, PALD compliant.

# Optional adapter kits

558382 – Auxiliary box adapter.

561949 - Light duty transmission adapter.



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

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



- 8,000 lb, capacity with a low starting height of 2-5/32".
- 10,000 lb. capacity (5 tons) when lifting from cylinder saddle- ideal for agriculture and industrial applications.
- Unique shape of primary saddle allows for handling of all lift truck configurations with flat or edged surfaces.
- Features include high-quality seals, chrome-plated internal components,
- and high-strength steel construction. · Secondary lifting surface feature.
- · Complies with ASME-PALD.
- Lifting Height: 2-5/32 17-15/16".



# 5105B

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

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



# 5230

# 16-1/2 Ton

This innovative press integrates all the hydraulic elements within the chassis. The compact and functional design saves workshop space and ensures protection during transport

- · Bolster is adjustable for height.
- · Automatic spring return piston.
- · Pressure gauge with damper to extend its working life- positioned at eye level for easy reading.
- Includes set of two V-blocks and legs with bolt-holes for fixing to bench.

**Hydraulic Bottle Jack Presses** · All bottle jacks have an overload

## valve built into them. 1823A

#### 12-ton capacity press with a OTC bottle jack.

Stroke 6-1/4", 19 pump stroke to extend piston 1 inch. Height with screw extension 19".

#### 20-ton capacity press with a OTC bottle jack.

Stroke 7-1/2", 30 pump stroke to extend piston 1 inch. Height with screw extension 20-1/2".



# **OTC New Single Acting Cylinder Rams**



		Capacity		Height	
		in Tons	Stroke	Collapsed	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"

## 1770A

## 1,500 lb. Dual Wheel Dolly

· Hydraulic jack provides almost 5" of lift and tilts wheel 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 Marathon Warranty®.



# 1,000 lb. Capacity Engine Stand

- A timesaver for passenger car and light truck engine rebuilding or repair. Four adjustable attachment arms make engine mounting fast and easy.
- Engine can be rotated a full 360° with a turn of the handle; a locking pin secures the work in any of eight positions Two rear wheels lock tightly to anchor the stand in
- · Easy one-bolt disassembly for transport of stand.
- Covered by OTC Lifetime Marathon Warranty®.

**Specifications** 

Height to center line - 28" Length - 46"

Width - 35-1/2" Handle length - 24"

# **OTC Service Jacks**



# 2- & 3-Ton Service Jack

- Ergonomic handle for user comfort & easy mobility.
- Foot pedal for quick approach of the lifting saddle to load. Built-in tray for fasteners and tools. CE certified, PALD compliant.
- · Covered by OTC Lifetime Warranty®.
- 5202 2-ton service jack. Min. height 3"; Max. height 18-1/4".

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

# 4082A

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



# 4122

## 50-ton Power Twin single-acting hydraulic ram

Complete with No. 22274 ram attaching screws, and No. 9796 ram half coupler.





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

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

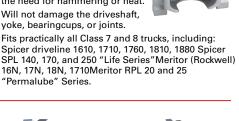
1814 - 6,000 lb. capacity crane with electric/ hydraulic pump (115V) with remote motor control.

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

## 5190A

# **Heavy-Duty U-Joint Puller**

- The ideal tool for disassembling drivelines.
- May be used with up to a one-inch impact wrench. Quickly and easily removes
- sealed U-joint cups without the need for hammering or heat. Will not damage the driveshaft,
- yoke, bearingcups, or joints. Fits practically all Class 7 and 8 trucks, including: Spicer driveline 1610, 1710, 1760, 1810, 1880 Spicer SPL 140, 170, and 250 "Life Series" Meritor (Rockwell)





# **Tripod and Underhoist Stands**

# 4,000 lb. Capacity Underhoist Tripod Stand

- Lifting height of 58-7/8" to 91-5/8"; saddle measures 3-1/4" x 3-1/4".
- 24" x 24" x 24" tripod base.

# 1,500 lb. Capacity Underhoist Stand

- Lifting height of 54-1/4" to 80-3/4"; saddle measures
- 11-7/8" dia. base

# 1,500 lb. Capacity Underhoist Stand with Foot Pedal

- · Foot pedal actuated lifting mechanism
- Lifting height of 54-1/4" to 80-3/4"; saddle measures

# MUSCLETOOLS Robinair A/C Tools & Equipment

# The new 34988NI NEW features the same Unmatched **98.5% recovery**

#### 34988NI

#### Premium Refrigerant Recover, Recycle, Recharge Machine

- Fully automatic operation frees technican to perform other tasks while servicing the vehicle's A/C system.
- Automatic oil drain and inject feature enables the machine to measure amount of oil removed from the vehicle and automatically puts the same amount back in free the user from measuring the
- Multiple oil bottles gives the machine the flexibility to store and inject two different types of oil saving the user time when servicing multiple vehicles
- Large, easy-to-read graphical display.
- Standard onboard printer gives the user the ability to print service data to present to a customer after service.
- Unique Automatic Refrigerant Refill maintains a user-selectable amount of refrigerant in an internal vessel and signals when it's time to change supply tank, no monitoring required.
- Programmable vacuum feature defaults to 15 mins, but allows the user to select desired vacuum time up to 99 minutes.
- Automatic Air Purge eliminates system-damaging air without monitoring gauges or opening valves.
- Save before and after service data allows the user to store before and after service information by vehicle.
- Visual and audible alarm notifies the user when service is complete,
- Automatic Dye Inject gives the user the ability to use the machine to inject UV dye into a vehicle's A/C system.
- Optional refrigerant and oil database includes A/C charge and oil capacities for North American market vehicles.

## AC1234-6

#### 1234YF A/C Service

- Fully automatic operation program for service, walk away and return when complete.
- 95% recovery efficiency
- Programmable vacuum operation helps get to the necessary vacuum level in any condition guickly.
- System leak test to identify gross leaks in a system.
- Charge accuracy within +/- 1/2 oz.
- 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)
- Liquid refrigerant flushing function can flush A/C systems or individual components using liquid refrigerant instead of harsh chemicals
- Automatic internal tank refill. No stopping to fill the internal tank during service, or before service.
- 1/4 Color VGA display. Large easy to read graphical display
- On-board printer capable of printing vehicle service report slips to



# **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.

# **Unmatched 98.5% recovery**

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

# 34788NI

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

• Fully-Automatic Function: Program to recover, vacuum, leak test and charge without operating panel valves.

MUTUR

- Automatic Oil Drain: A display reminds you to empty the graduated container to show the amount of oil to replace.
- Oil Inject: Automatically inject oil back into the vehicle's A/C systems.
- Refrigerant & Oil Database: A/C system capacities for North American Automatic Refrigerant Refill: Maintains a user-selectable amount of
- refrigerant in an internal vessel and signals. when it's time to change supply tank, no monitoring required.
- Optional Printer.

#### 34788NI-H

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

#### 34288

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

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

# Robinair 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
- Easy-to-grip control knobs.

#### 2-Way Aluminum Manifold 2-Way Brass Manifold



# 48510 R134A

- 90° Manual couplers
- (1/2" ACME x 14mm)



# 45111

R134a Manifold Hose Kit

# **Economy Manifolds**



R134 brass manifold, hose set and service couplers



R134 aluminum manifold, hose set and service couplers

# Coolant Exchanger

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



## 75240

#### **Coolant and Battery Refratometer**

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.



75134

# Robinair Vacuum Pumps

## VacuMaster® Single Stage Vacuum Pumps

15115 - 1.5 CFM Vacuum Pump.

15310 - 3 CFM Vacuum Pump. 15510 - 5 CFM Vacuum Pump.



## VacuMaster® 2-Stage **Vacuum Pumps**

15150 - 1.5 CFM Vacuum Pump. 15300 - 3 CFM Vacuum Pump.

15500 - 5 CFM Vacuum Pump.



## CoolTech® Vacuum Pumps

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

## 16009

## **DiscovR Refrigerant Identifier**

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

**Product Specifications:** Refrigerant: R134a

Input Power: 12 VDC Accuracy: Pass/Fail - 95% pure R134a

Air Detection: SAE J1771, UL/C Approvals:

# **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.





# 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.

Not responsible for errors in description. / 16-62 Q3 2016 Edition, Printed in U.S.A.