

MUSCLE TOOLS

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

Q3 2016 Edition



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:

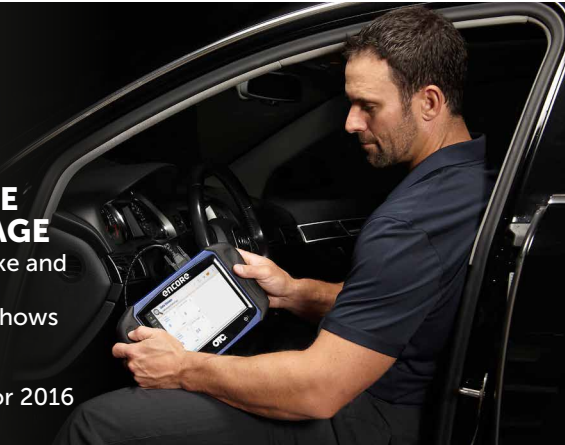
- John Mathis: 1969 Chevrolet Camaro SS
- John's favorite road to drive it on: drag strip
- John's favorite memory with the car: winning my first NHRA Walley in 2002
- The song John is listening to when he drives it: Can't Drive 55
- Repairs/services performed on the car: restored top to bottom and front 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
- Updated Identifix repair information for 2016



PROMOTIONS

OTCTOOLS.COM/PROMOTIONS
BOSCHWHEELSERVICE.COM/PROMOTIONS

DIAGNOSTICS FOR LIFE

VALID JULY 1 – DECEMBER 31, 2016

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



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



*Terms and conditions apply

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 warranty.*

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

WIN OTC TOOLS THIS SUMMER

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



*Terms and conditions apply

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



Bosch ESI[truck] Repair Information Subscription



3824-08R

- ▶ Over 13,000 fixes by trouble code
- ▶ Symptom based troubleshooting
- ▶ Repair info is integrated in the diagnostic session – No need to log into another application
- ▶ Will require internet connection to use
- ▶ Free trial with 2016/1 software release
- ▶ Requires a subscription to use in 2016/2 release
- ▶ 2016/2 and beyond will have 15 day free trial

Receive a \$750 Rebate with the purchase of a Bosch On Car Brake Lathe

End User Promotion CALL FOR PRICE

BSD-OCL8850

New enhanced universal adapter UMA2015-00 included



- ▶ 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.

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



Scan to see the marketing video on the OCL8850

Receive a \$250 Rebate with the purchase of a TCE4275 Tire Changer

End User Promotion CALL FOR PRICE

Your Choice

Eligible Models

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 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 grease hose and 3 jaw slim coupler.
 - 10,000 PSI.
 - For use with 14 oz. grease cartridge.



- 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 coupler.
 - For use with 3 oz. grease cartridge.



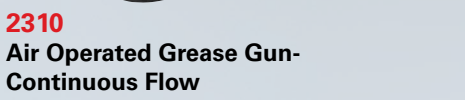
- 2304 Professional Pistol Grease Gun**
- Heavy duty die cast aluminum grease gun head with integrated die cast fixed handle.
 - Grease gun head fitted with automatic air bleeder.
 - Large diameter piston for working in cold.
 - Built-in variable stroke for greasing fittings with limited access.
 - Includes 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.



- 2334 Grease Fitting Unblocker**
- Opens clogged grease fittings and loosens hardened grease joints.
 - Comes with grease coupler.
 - Includes flexible hose to reach difficult areas.
 - Built in hand guard for safe usage.
 - Includes two spare piston seals.



- 2350 Lever Action Drum Pump**
- Fits 15 - 55 gallon drums.
 - Telescoping suction tube.
 - 3 Position Handle for different fluid viscosity.
 - Extra tall pump cylinder allows smaller bucket to be placed under spout.
 - Brass piston rings for extended wear resistance.
 - Threaded outlet spout for use with common hoses.
 - Up to 14 oz. / stroke.
 - For use with oil based fluids, heating oils, motor oils, heavy and light oils, diesel and kerosene.



- 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.



- 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.



- 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.

OTC Wrenches



- 7485 Locking Collar Rack Wrench**
- Tool wraps over work piece and is locked in place.
 - Permits service or adjustment of components without having to remove end.
 - For use with diameters of 1" to 1-7/8" (25.4 mm to 47.625 mm)
 - Eccentric shape of chuck automatically adjusts to component diameter
 - 1/2" Sq.Dr. for maximum power with Ratchets, Extensions, and Breaker Bars.
 - Ideal for steering service, wheel alignment, strut cartridge, small dia. exhaust, and general pipe adjustment



- 7401 Ratcheting Chain Wrench**
- 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 from the work.
- 19" handle with capacity from 3" to 6-3/4" O.D.



- 6969 Ratcheting Chain Wrench**
- Ratcheting action makes it possible to re-grip without removing wrench.
 - Handles parts of most any shape... round, square, hexagon, or octagon.
 - Handle is 24" long; chain grips objects ranging from 3" to 6-1/2" O.D.

OTC Wire Service Tools



- 4470 Butane-Power Flameless MicroTorch**
- Cordless 650° (1250°F) flameless torch.
 - Refillable fuel cell uses standard butane lighter fluid (butane NOT included).



- 5912 Crimpwell™ Angled Crimping Pliers**
- Universal crimping design accommodates soft wire - solid or stranded - 10-22 AWG.
 - Cutting feature included for quicker preparation.
 - 9" (228mm) in length, with protective grips to increase leverage and secure crimp.



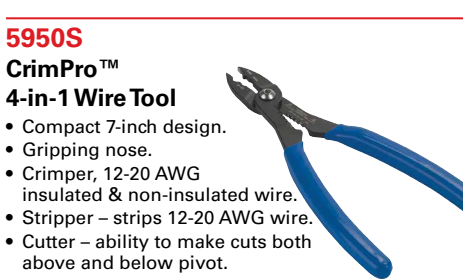
- 4472 Cordless Solder Tool Kit**
- Includes: Soldering iron, conical tip 2.4 mm, chisel tip 2.4 mm, hot knife tip, deflector tip, sponge, wrench, and soldering wire.
- 4472-1** - Soldering iron only.



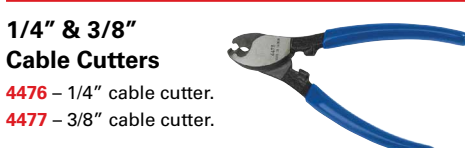
- 5950A CrimPro™ 4-in-1 Angled Wire Tool**
- Compact 7-inch design.
 - Gripping nose.
 - Crimper, 12-20 AWG insulated & non-insulated wire.
 - Stripper - strips 12-20 AWG wire.
 - Cutter - ability to make cuts both above and below pivot.



- 4460 2-Piece Electrical Connector Separator Tool**



- 5950S CrimPro™ 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 above and below pivot.



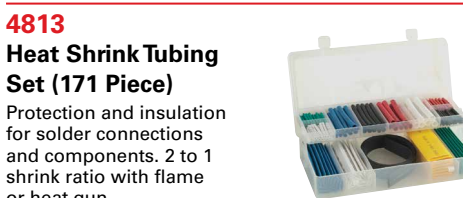
- 1/4" & 3/8" Cable Cutters**
- 4476** - 1/4" cable cutter.
4477 - 3/8" cable cutter.



- 5947 Butt Connector Kit (240 Piece)**
- Two styles - insulated and non-insulated. Three sizes of each style: 12-10 AWG, 16-14 AWG and 22-18 AWG.



- 4467 Automatic Wire Stripper**
- Comes with adjustable depth gauge (8mm to 12mm).



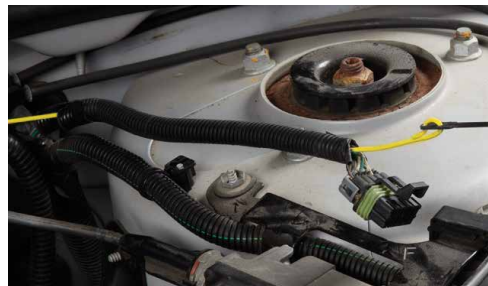
- 4813 Heat Shrink Tubing Set (171 Piece)**
- Protection and insulation for solder connections and components. 2 to 1 shrink ratio with flame or heat gun.



- 4468 9" Self Adjusting Wire Stripper**
- Strips insulating sheathing from wires ranging from 10 ga. to 22 ga.



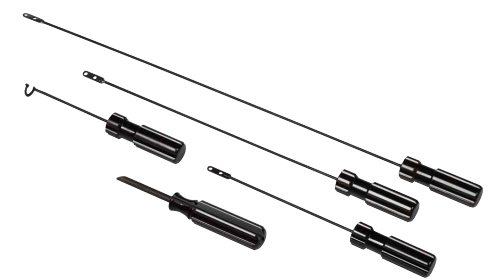
- 4814 Waterproof Heat Shrink Tubing Set (106 Piece)**
- Waterproof protection and insulation on solder connections and components. Adhesive lined inner wall to seal out moisture. 3 to 1 shrink ratio with flame or heat gun.



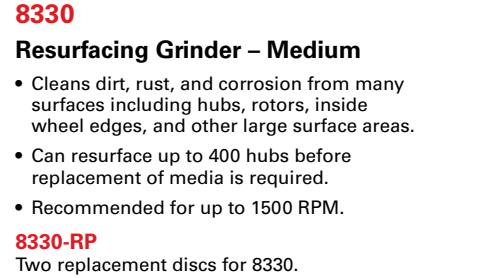
- 4462 Wire Loom Threading Kit**
- The 4462 Wire Loom Threading Kit from OTC is a clever grouping of wire fishing tools for the automotive technician. Whether general wiring R&R - or adding Gauge Packs, Sound Systems, Vehicle Security and Camera Systems, these tools simplify placing the wiring within the protection of existing wiring looms, without cutting tape or zip ties and without damage to other wires.
- There are 3 wire pulling tools in 15", 10" and 5.5" lengths for common automotive applications, the grommet insertion tool allows the wire to be captured within the tool to hold once it is placed, placed so you can grab from the opposite side of the firewall - and the pigtail tool assists when building a new harness on the workbench.



- 8330 Resurfacing Grinder - Medium**
- Cleans dirt, rust, and corrosion from many surfaces including hubs, rotors, inside wheel edges, and other large surface areas.
 - Can resurface up to 400 hubs before replacement of media is required.
 - Recommended for up to 1500 RPM.



- 7162** - Pry bar; 6" long.
7163 - Pry bar; 12" long.
7164 - Pry bar; 16" long.
7165 - Pry bar; 18" long.
7179 - Pry bar; 21" long.



- 8330-RP**
Two replacement discs for 8330.



- 4462 Wire Loom Threading Kit**



- 7176 4 Piece Rolling Head Pry Bar Set**
- 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.

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

7176
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.

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

*Terms and conditions apply

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 Breaker*** – 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 simple and fast adjustment.

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

*Depending on configuration

FREE Bench
with the purchase of
a Bosch Brake Lathe

End User
Promotion
CALL FOR
PRICE

Your Choice

Purchase a Bosch BL8922L (F00E9002177BNP) or BL8944L (F00E900218BPN) and receive FREE Bench \$699⁰⁰ value.

BL8922L



BL8944L



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.



4277

50 gpm Mechanical Hydraulic Flow Meter

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



4278

100 gpm Digital Hydraulic Flow Meter

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



4285

100 gpm Digital Hydraulic Flow Test Kit

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



4290

16 gpm Flow Block

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

4291

Flow Block with Loading Valve

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



4292

Hydraulic Flow Measurement Digital Readout

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



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

5280

OTC Portable Diesel Particulate Filter Cleaner

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



5286

OTC Portable Diesel Particulate Filter Cleaner

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



Dualmaster Two-Stage Hand Pumps

4008
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.

4009
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. Ideal for use with OTC single-acting rams, or similar competitors' rams.



5106

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®.





4246 Hendrickson Rear Suspension Bushing Tool Kit

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

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

4247

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



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.

1783 Heavy-Duty 20-Ton Capacity Adjustable Support (One only)

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



5214 4-Ton Capacity Fork Lift Jack

- 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 Capacity Bench Press

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".

1824A 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 in Tons	Stroke	Height Collapsed	Height Extended
4100A	5-Ton Single Acting Cylinder	5	3"	5-11/16"	8-11/16"
4101A	5-Ton Single Acting Cylinder	5	5-1/4"	10-7/16"	15-11/16"
4103A	10-Ton Single Acting Cylinder	10	2-1/8"	5-9/16"	7-11/16"
4104A	10-Ton Single Acting Cylinder	10	6-1/8"	11-1/2"	17-5/8"
4105A	10-Ton Single Acting Cylinder	10	10-1/8"	15-1/2"	25-5/8"
4106A	25-Ton Single Acting Cylinder	25	6-1/4"	13-3/8"	19-5/8"
4107A	25-Ton Single Acting Cylinder	25	14-1/4"	21-3/8"	35-5/8"
4108A	5-Ton LP Single Acting Cylinder	5	9/16"	1-5/8"	2-3/16"
4110A	55-Ton Single Acting Cylinder	55	6-1/4"	11"	17-5/16"

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 Marathon Warranty®.



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.



1726A 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 place.
- 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".



Tripod and Underhoist Stands

- 2018A 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.

- 2015A 1,500 lb. Capacity Underhoist Stand
- Lifting height of 54-1/4" to 80-3/4"; saddle measures 5-1/4" x 1-1/4".
- 11-7/8" dia. base.

- 2016A 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 5-1/4" x 1-1/4".

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



34988NI Premium Refrigerant Recover, Recycle, Recharge Machine

- Fully automatic operation frees technician 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 amount of oil removed.
- 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, or if a problem has occurred.
- 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 quickly.
- 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 present to customers.



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

34788NI-H

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

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 improved flow.
- Easy-to-grip control knobs.

2-Way Aluminum Manifold



48510 R134A

- 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

75700

Coolant Exchanger

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



75240

Coolant and Battery Refratermometer

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



Econo-Clean Coolant Service Accessories

75234



75134

75134 Coolant test strips.

75234

3-way heavy-duty truck coolant test strips.

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



TIF-ZX

Heated Pentode® Refrigerant Detector

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



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.