

# HEAVY-DUTY SERVICE

OTC ROBINAIR BOSCH



The Bosch ESI[truck] platform is unlike any other in the industry, taking heavy duty diagnostics to the next level

## KEEP YOUR TRUCKS RUNNING WITH OTC





## Unbeatable coverage for HD trucks, construction equipment and more



New & Improved  
Windows 10  
Touchscreen  
tablet

### Increase Shop Efficiency with the Bosch ESI[truck]

DPF regeneration, component actuation, special tests and automatic module identification for Class 4-8 trucks and more.

#### 3824A

##### Truck, engine, and system coverage

- ▶ Truck brands: Freightliner, International, Kenworth, Mack, Volvo, Peterbilt, Sterling, Western Star, and more
- ▶ Engine brands: PACCAR, Perkins, Detroit Diesel-MBE, Mack, Navistar, Caterpillar, Deutz, MTU, and more
- ▶ System coverage: transmissions, brake systems, trailer ABS, exhaust treatment, and more

##### Expert-level diagnostics

- ▶ Automatic vehicle ID
- ▶ Fault code reading, reporting, clearing
- ▶ Diesel particulate filter (DPF) regeneration
- ▶ Cylinder cut-out
- ▶ Injector coding and trim files
- ▶ Key component actuations
- ▶ Special tests
- ▶ Vehicle parameter modifications



NEW

#### 3824A-TBL

##### Heavy Duty Tablet Upgrade

- ▶ Everything you need to upgrade an existing 3824 ESI[truck] Tablet to the new and improved 3824A model.
- ▶ Windows 10 Touchscreen tablet

### ESI[truck] Off-Highway Upgrade Cable Kit with Introductory Software License (3824CBL-UPG)

Add off-highway vehicle and machinery coverage for multiple manufacturers to your 3824 or 3824A ESI[truck] scan tool. Coverage included for:

- Construction equipment
- Agricultural vehicles
- Stationary engines
- Street sweepers and more

- ▶ **Manufacturer coverage:** Caterpillar, John Deere, Kubota, Perkins, Volvo, Massey Ferguson, SISU, Deutz, Deutz-Fahr, MTU, and more
- ▶ **System coverage:** Gearbox, HVAC, engine, steering, hydraulic systems, suspension, electronic modules, antipollution, central computer and more
- ▶ **Diagnostic coverage:** Manual processes, diagnosis info, measurable values, component actuations, ECU data, parameter IDs (PIDs), calibrations and resets, system technical data, wiring diagrams, vehicle technical data and vehicle maintenance info

#### 3824CBL-UPG

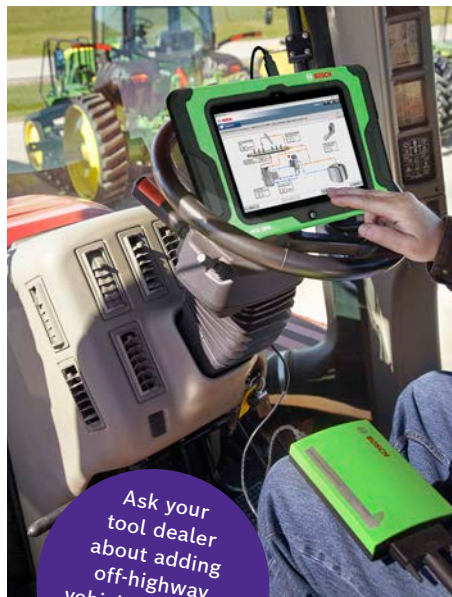
##### Kit contents:

- ▶ 10 cables for machinery, construction equipment, agricultural vehicles and more
- ▶ ESI[truck] off-highway software package with full diagnostic capabilities. Introductory off-highway software expires when your ESI[truck] heavy duty truck software expires
- ▶ Software renewals can be done simultaneously, ensuring continuous HD truck and off-highway vehicle coverage

#### 3824-08OHW

##### ESI[truck] Off-Highway 1-Year Software License

- ▶ 12-months of off-highway diagnostic coverage, including all coverage updates
- ▶ Used to renew initial software included with Off-highway upgrade cable kit with introductory software license



Ask your  
tool dealer  
about adding  
off-highway  
vehicle coverage  
to your ESI[truck]



For more information on software updates and off-highway coverage upgrades, visit [boschdiagnostics.com/pro](http://boschdiagnostics.com/pro)

Off-highway cable upgrade kit and off-highway software only compatible with 3824A, 3824 and 3824BSC ESI[truck] diagnostic tools. Customer must first purchase Off-highway upgrade cable kit with introductory software (3824CBL-UPG) prior to purchasing or activating Off-highway 1-year software license (3824-08OHW)

## Adapters

**3824-06**

### Bosch ESI[truck] Trailer Adapter

#### 7-pin PLC adapter for trailer ABS diagnostics

- ▶ J2497 Power Line Carrier (PLC) communication compatible
- ▶ Allows direct connection to trailer
- ▶ Works with tractor present or without the tractor present
  - External power supply is necessary without tractor
- ▶ Bosch ESI[truck] trailer ABS coverage for Bendix, Haldex, Meritor Wabco and Wabash systems
- ▶ Compatible with 3824, 3824BSC, 3823 and 3823BSC diagnostic tools



**3824-10**

### Bosch ESI[truck] 9 Pin Adapter Cable High Speed Comm

- ▶ 9-pin heavy-duty diagnostic connector
- ▶ High-speed diagnostics communication
- ▶ Backward compatible with older black 9-pin vehicle connectors
- ▶ Compatible with 3824, 3824BSC, 3823 and 3823BSC diagnostic tools



## License Renewal

**3824-08**

### Bosch ESI[truck] License Renewal

12-Month Security Card includes one year of advanced diagnostic software for 3824, 3824BSC



## Subscription

**3824-08R**

### ESI[truck] Troubleshooting and Repair Subscription

- ▶ For technicians of all experience levels, this software bridges the gap between diagnosing and repairing the vehicle
- ▶ Troubleshooting procedures by trouble codes: after reading or entering DTCs, users are guided through steps to troubleshoot the vehicle
- ▶ Troubleshooting procedures by symptoms: users can select vehicle symptom – example: “Engine oil pressure too low” – and they are guided through steps to troubleshoot the vehicle
- ▶ Technical Service Bulletins (TSBs): documents that explain service procedures for particular makes/models



## Extended service contracts available for all ESI[truck] software packages

1, 2, & 3 year service contracts available. Contact ToolGuard for more information at 1-800-233-7055

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

**1699500000**

### HPT 500 Features

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



**1699500001**

### HPK 200 Accessory Kit for HD and Medium Duty Applications

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



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

## HDS 250 Heavy-Duty Scan Tool for Class 4–8 Vehicles

**Ideal for heavy-duty shops as a second diagnostic tool and mobile repair trucks. Cost-effective solution for aftermarket shops in need of heavy-duty coverage**

### HDS 250 Features

- ▶ Brilliant Color Display
- ▶ Rugged enclosure for durability
- ▶ Class 4 – Class 8 truck coverage featuring “Automatic Protocol Search”
- ▶ HD J1587 / J1708 and J1939 CAN, Engine, Transmission/ABS coverage and more
- ▶ Global OBD II Quick Test
- ▶ Works on 12V and 24V systems
- ▶ Gasoline and diesel engine coverage
- ▶ Read and clear diagnostic trouble codes
- ▶ Live vehicle data includes
  - Engine speed
  - Engine ECU temperature
  - Percent acceleration pedal position
  - Engine intercooler temperature
  - Engine coolant temperature
  - Battery voltage
  - Alternator voltage output
  - Ambient air temperature
  - Air inlet temperature
- ▶ On-screen definitions of diagnostic trouble codes

**1699200240**



### HDS 250 Includes

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



# HENDRICKSON SUSPENSION

## REMOVE AND INSTALL SELECT HENDRICKSON HEAVY DUTY REAR & FRONT SUSPENSION BUSHINGS



4247  
4246 (Same as 4247 without 2510A air/hydraulic pump)



4250



4275  
4274 (Same as 4275 without 2510A air/hydraulic pump)



4254

### REAR SUSPENSION

#### 4246

#### Hendrickson Rear Suspension Bushing Tool Kit

- 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 single acting cylinder.

#### 4247

#### Hendrickson Rear Suspension Bushing Master Kit with Pump

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

#### 4250

#### Hendrickson Adapter Kit for Front Suspensions

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



4263

#### 4263

#### Suspension Bushing Tool

- Suspension bushing tool used to remove and replace suspension bushings. The hydraulic cylinder and press plate assembly mounts to the suspension component or leaf spring for hands free operation and eliminates the need to hold heavy equipment. Used in conjunction with the bushing adapter sets designed to fit specific bushings and suspension components.
- Includes an OTC 4106A 25-ton single acting cylinder.



4261

#### 4261

#### Hendrickson Front Suspension Bushing Tool

- Suspension bushing tool kit used to remove and replace the leaf spring bushings on Hendrickson Airtex NXT front suspensions found on Freightliner Cascadia vehicles. The hydraulic cylinder and press plate assembly mounts to the leaf spring for hands free operation and eliminates the need to hold heavy equipment. Press plates and bushing adapters are specifically designed to fit the front leaf spring and bushing.
- Includes an OTC 4106A 25-ton single acting cylinder.

### FRONT SUSPENSION

#### 4274

#### Hendrickson Front Suspension Bushing Tool Kit

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

#### 4275

#### Hendrickson Front Suspension Bushing Master Kit with Pump

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

#### 4254

#### Hendrickson Adapter Kit for Rear Suspensions

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



4255

#### 4255

#### Hendrickson Airtex NXT Bushing Adapter Kit

- This adapter kit is used in conjunction with the 4263 Suspension Bushing Tool to remove and replace the leaf spring bushings on Hendrickson Airtex NXT front suspensions found on Freightliner Cascadia vehicles. Plate, adapters and cups make bearing removal and installation faster and easier than other methods.
- Plate, cup and adapters specially designed to fit Airtex NXT front suspension
- Included adapters and cups allow bushing to be pressed out and new bushing to be pressed in
- Adapters aid with installation to help ensure a straight, clean installation of vital suspension bushings



## FREIGHTLINER SUSPENSION



### Freightliner Rear Suspension Tool

- Removes and installs single-wrapped FAS II Airliner Freightliner Rear Suspension bushings in a fraction of the time of traditional methods.
- Saves an average 45 minutes per bushing (4 per vehicle) on flat rate of 1.5 hours per bushing.
- 15 ton Capacity cylinder

**4244** Freightliner Rear Suspension Tool

**4245** Freightliner Rear Suspension Tool includes 2510A Air/Hydraulic Pump.

**1757**

### Hendrickson Bar Pin Adapter Set

Adapter set is used with the beam removed from the truck, and in conjunction with OTC No. 51100 press plate and a 100-ton hydraulic shop press.

To remove bushings, use OTC's previously introduced No. 302030 removing adapter and No. 206457 press adapter, both of which may be ordered separately. Reinstall bushings following procedures recommended by the suspension manufacturer.



**1767**

### Hendrickson Primaax Quick Alignment Socket

- Hendrickson – Approved tool.
- Used to adjust axle alignment on the Primaax air suspension.
- Works on Primaax models 230, 460, and 690 rear suspensions.



**1768**

### Hendrickson PRIMAAX® Quick Wrench

- Used to torque cross tube end cap bolts and longitudinal torque rod top pad bolts.
- Reduces maintenance time by eliminating the need to remove the tires to gain access to the end cap bolt.
- Use with the following Hendrickson PRIMAAX suspensions:
  - Type A - PAX 230/460/690 and FMX 240/480 with 8-1/2" ride height
  - Type B - PAX 230/460/690 with 10" ride height.



## OTC EQUIPMENT



**4240A**

### Kingpin & Brake Anchor Pin Pusher (30-ton capacity)

Five special collars and two pins allow this unit to work on both straight and tapered kingpins and accommodates sizes from 7/8" to 2" in diameter and up to 11-1/4" long. The tool delivers 30 tons of hydraulic force to push out even the most corroded kingpins. The anchor pin can be removed quickly by using the special adapter installed in the pusher's base block and the unit positioned over the brake's spider.

- Works on many models of trucks and buses.
- 27-1/2" high x 8-1/2" wide.
- Set includes No. 4002 hydraulic hand pump, No. 9767 hose, No. 9798 hose-half coupler, No. 4121 Power Twin 30-ton ram, and No. 29424 anchor pin adapter.



**7503HD**

### Heavy Duty Tie Rod and Ball Joint Remover

A universal heavy-duty puller that removes a wide range of tie rods and ball joints from a variety of cars, trucks, SUVs and heavy-duty vehicles. The 7503HD has a 10-ton pulling capacity, twice the force applied by the original 7503. Jaw spread and reach are increased to 3 and 4 inches for a wider variety of applications and larger vehicles. A heavier duty forcing screw is used, measuring 3/4" - 10, 6 1/2" long with interchangeable tips including cone, flat and cup for multiple applications. The tool will also remove pitman arms and can be used in many pulling situations that require a 2 jaw puller on other vehicles types and machinery.

**5025**

### Diesel Exhaust Fluid (DEF) Refractometer SCR & EPA 2010

- The OTC 5025 makes this a simple and quick process for an operator or technician to get an accurate measurement of UREA concentration in DEF or AdBlue solution.

**Scale:**

0.5% line graduations

32.5% Indicated

Scale 15-40%

Waterline & 20 Deg C

**Application:**

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



# TIRE SERVICE

5713

## Tire Bead Seater

The Tire Bead Seater is used when a tire, new or used, is mounted on a wheel and the tire bead does not touch both sides of the wheel, making inflation possible.

The air trigger on this tool expels a tremendous burst of air that inflates the tire to seat it to the wheel rim. This allows the tire to be inflated to the recommended pressure through the tire valve.

- The Tire Bead Seater is equipped with unique configurations that enhance ease of use, productivity and safety for technicians looking to get the job done right every time.
- Unlike other options out there, the Tire Bead Seater's ASME certified 13-gallon tank is designed with a nozzle and valve connected via hose assembly, giving the user more control rather than requiring them to hold the weight of the tank.
- The trigger style discharge valve allows for optimum airflow control while allowing both hands to firmly hold the nozzle/valve assembly, critical for effective and safe use. Wheels and handle function in either the vertical or horizontal position for easy mobility and storage.
- Unique nozzle design significantly reduces "blowback recoil" and contains discharge holes strategically placed for optimum inflation of a wide range of the tire sizes and wheel diameters.
- Air valve included for filling tank, which also provides compressed air for filling the tire while seating the bead, optimum for on-the-road service.



5702

## Tire Bead Seater

The 5702 OTC Tire Bead Seater provides many of the great features of it's 5713 big brother, at a more economical price!

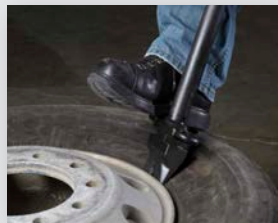
- The trigger style discharge valve allows for optimum airflow control while allowing both hands to firmly hold the tank/valve assembly, critical for effective and safe use.
- Unique nozzle design significantly reduces "blowback recoil" and contains discharge holes strategically placed for optimum inflation of a wide range of tire sizes and wheel diameters.
- Inline design allows for a comfortable distance from the tire and wheel while seating.
- ASME approved 2-gallon tank with inlet valve, pressure gauge, and relief pressure valve for safety.

5727

## Sliding Bead Breaker

The 5727 Sliding Bead Breaker has a split head, unique wedge design and slide hammer to reduce bead friction. Foot loops and tipping slots provide leverage and ease of transferring force to the tire.

- Sliding Bead Breaker, 47" extends to 81", 21 lbs.



5735-PACK

## Tire Spoon Pack with Hang Rack

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.



5729

## Inside Dual Wheel Bead Breaker

- Breaks the inner bead on the outside tire without removing the wheel from the truck.
- Unique design places pressure in the exact location required to quickly and easily break the inner bead.
- Simply pull up on the handle and the bead is forced off the wheel rim.



5731

## Tire Bead Locking Pliers

- Prevents the tire from slipping while mounting the top bead.
- Quick and easy universal clamping design.
- Rugged rubber coated jaw to protect wheel finish.
- Prevents tire from contacting costly TPM Sensors.



5732

## Tire Spoon Holding Pliers

- Tire Spoon Holding Pliers is the 3rd hand needed to ease mounting and demounting of tires with tire spoons.
- Quick and easy universal clamping design.
- Rugged rubber coated jaw to protect wheel finish.



5733

## Tire Bead Wedge Pliers

- Tire Bead Wedge Pliers keeps the tire in the bead drop area to ease mounting and demounting of larger truck and agricultural tires.
- Quick and easy universal clamping design.
- Rugged rubber coated jaw to protect wheel finish.



**Convex Slip Head** - Unique "Convex Slip Head" curved design allows the spoon to slide easily into the tire bead while the spoon bump limits the depth for quick-and-easy operation.



**Grip grooves** - Eliminate spoon slippage on the wheel rim while mounting or demounting the tire. The grooves also limit the depth of the spoon to help eliminate pinching tire tube applications.

**5735-35** **Double End Curved & Flat Tip Curved Tire Spoon, 35"** Double end curved tire spoon. Handle knob enables easier spoon pick up. 3/4" diameter.

**5735-35G** **Double End Tire Spoon with Grip Grooves, 35"** Double end curved tire spoon. Handle knob enables easier spoon pick up. 3/4" diameter.

**5735-42** **Double End Curved & Flat Tip Curved Tire Spoon, 42"** Same great design as the original double end mount/demount tire spoon, but in a 42" length for added leverage. 3/4" diameter.

**5735-42K** **Double End Tire Spoon with Kick Start, 42"** Includes kick loops to allow the spoon to be forced into tight bead locations with the help of foot pressure. 3/4" diameter.

**5736-24** **Curved Tire Spoon, 24"** Handle knob enables easier spoon pick up. 3/4" diameter.

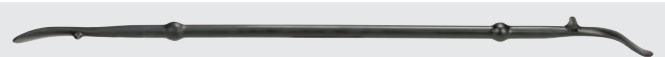
**5736-24G** **Curved Tire Spoon with Grip Grooves, 24"** Handle knob enables easier spoon pick up. 3/4" diameter.

**5736-30** **Curved Tire Spoon, 30"** Handle knob enables easier spoon pick up. 3/4" diameter.

**5737-30** **Flat Tip Curved Tire Spoon, 30"** Handle knob enables easier spoon pick up. 3/4" diameter.

**5739-24** **Curved Shank Tire Spoon, 24"** The curved shank allows improved access for the spoon head around the tire bead or wheel rim. Handle knob enables easier spoon pick up. 3/4" diameter.

**5739-30** **Curved Shank Tire Spoon, 30"** The curved shank allows improved access for the spoon head around the tire bead or wheel rim. Handle knob enables easier spoon pick up. 3/4" diameter.



# OTC EQUIPMENT



## 5105B 1,100 lb. Capacity High-Lift Dual Wheel Dolly

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



## 5015A Truck Clutch & Flywheel Handler

- Handles 14" and 15-1/2" clutch assemblies weighing up to 150 lbs.
- Lifting range of 9" to 37". Swivel casters provide easy maneuverability.
- Includes a 2" spline shaft with a 1-1/4" pilot to aid in alignment.

**218174** – Optional Flywheel handling attachment for use on No. 5015 and 5015A only.

**48625** – Optional splined shaft, 1-3/4" dia. with a 1-1/4" pilot.

**440533** – Optional splined shaft, 1-3/4" dia. with a 1" pilot. Needed for clutch service on some Navistar 466 series engines.

**314386** – Optional 1-3/4" dia. alignment shaft extension. Used for 2-plate clutch of Navistar 466 series engine.

**600011** – Optional splined shaft adapter for Eaton Fuller UltraShift Plus Transmission, 14 Spline, 2" OD, 1.18" Pilot. For use with the 5015A Clutch Handler and 1797 Trans Jack HD Clutch Adapter.

**600007** – Adapter for attaching Splined Shafts for the 5015A Clutch Handler to the 5018A Clutch Handler.



## 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.

## 5018A Truck Clutch and Flywheel Handler

- Replaces 14" & 15-1/2" clutch assemblies weighing up to 250 lbs.
- 13" low point enables access below side faring.
- Linkage raises load from horizontal to vertical position.
- 360 degree swivel head.
- Covered by OTC Lifetime Warranty®.

**516160** – Optional flywheel handling attachment

**515686** – Optional splined shaft, 1-3/4" dia. with 1-1/4" pilot

**516159** – Optional splined shaft, 1-3/4" dia. with 1" pilot

**600005** – Optional splined shaft adapter for Eaton Fuller UltraShift Plus Transmission, 14 Spline, 2" OD, 1.18" Pilot. For use with the OTC 5018A Clutch Handler. Includes part number 600007 clutch handler shaft adapter allowing splined shafts designed for the 5015A to be used on the 5018A.



## 1590 10-Ton Air Lift

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

## 5292 27.5-Ton Capacity Under-Axle Jack

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



## UA22 22-ton under-axle hydraulic service jack

- Includes 3 saddle attachments for height adjustment; 3/4" saddle; 1-15/16" saddle; 3-7/8" saddle
- Self-retracting ram activated with handle-end controls

UA22 22-ton under-axle hydraulic service jack	UA22
Capacity	22-ton
Air pressure	90 - 145 PSI
Max height	20-2/3" with longest saddle
Min height	8.27"
Handle length	47.24" T handle with lowering lever and air-chuck hook
Footprint	22.63" x 11.73"
Reach	69.87"
Saddle	3" dia., round with center notch, includes 3 lengths
Frame height	8.27"
Wheels	2 fixed; 7.88" rubberized steel



**NEW**



# TESTED AND TRUSTED SAFETY FOR LIFE ALL JACKS AND STANDS ARE COVERED BY A LIMITED LIFETIME WARRANTY

HDJ5



## HDJ5 5-ton hydraulic service jack

- Designed to safely lift step vans and bucket trucks
- 3-position handle lays flat, 45° or 90° for storage and use

## HDJ5P 5-ton hydraulic service jack with air-assist

- Same as HDJ5, with air/hydraulic assist to reduce effort to raise, lower vehicles

HDJ10



## HDJ10 10-ton hydraulic service jack

- Ideal for bucket trucks and school buses
- Rugged steel frame and extra-large wheels for durability and strength

## HDJ10P 10-ton hydraulic service jack with air-assist

Same as HDJ10, with air/hydraulic assist to reduce effort to raise, lower vehicles

HDJ20



## HDJ20 20-ton hydraulic service jack

- 3-position spring-loaded handle can lay flat, 45° or 90°
- Foot and hand pump options to raise load quickly

## 5, 10, and 20-ton heavy-duty jacks



✓ ALWAYS SUPPORT VEHICLE WITH OTC JACK STANDS



5, 10, 20-ton heavy-duty jacks	HDJ5	HDJ5P	HDJ10	HDJ10P	HDJ20
Capacity	5-ton	5-ton air-assist	10-ton	10-ton air-assist	20-ton
Lifting range	6" to 22"	5-7/8" to 22"	6.3" to 22"	6-3/8" to 22"	7-1/2" to 23.8"
Air pressure	—	80–120 PSI	—	80–120 PSI	—
Handle length	43" 3-position with lock and release controls	45.4" 3-position with lock and release controls	43-1/4" 3-position with lock and release controls	45.4" 3-position with lock and release controls	47-1/2", 3-position spring-assisted locking
Footprint	15" x 56"	14.2" x 55.5"	18" x 60"	18.9" x 60.8"	18-1/8" x 61-3/8"
Reach	47"	87"	51"	90"	110.4"
Saddle	5-1/8" dia., round	5.1" dia., round	6" dia., round	5-3/4" dia., round	6-1/2" dia., steel crown
Casters	4; 4.4" fixed front (2), 2.8" mid-body swivel (2)	4; 4.4" fixed front (2), 2.8" mid-body swivel (2)	4; 5.6" fixed front (2), 3.6" mid-body swivel (2)	4; 5.6" fixed front (2), 3.6" mid-body swivel (2)	6; 4 front fixed; 2 mid-body swivel
Frame height	7.9"	7.5"	9.8"	9.8"	10.2"



# TESTED AND TRUSTED SAFETY FOR LIFE ALL JACKS AND STANDS ARE COVERED BY A LIMITED LIFETIME WARRANTY

## WHY OTC?

- Lifetime warranty
- Jack design tested to comply with safety standards as defined by ASME PASE-2019
- Stand designs tested to comply with safety standards as defined by ASME PASE-2019
- Light-duty 2-ton to heavy-duty 22-ton capacities
- Padded handle to protect bumpers and rocker panels (LDJ Models Only)
- Product capacities durably marked for proper application

### Proven to safely perform in all working environments

OTC jacks and stands are proven to meet the safety standard for Portable Automotive Service Equipment (PASE-2019). What does PASE mean to OTC? Every jack and stand design is tested to meet every PASE-2019\* test, not just one.

### Service jacks undergo a series of 5 tests:

**Load Sustaining Test:** Jack will not inadvertently drop under load. REMEMBER: Use OTC Stands to support a load – not a jack.

**Load Limiting Test:** Jack will not lift a load beyond its rated capacity

**Release Test:** Jack can be lowered gently

**Periphery Test:** Jack avoids tipping when load is not centered on saddle.

**Proof Load Test:** Jack structure supports 150% of rated capacity

### Jack stands are subject to 2 tests:

**Off Center Load Test:** Limits allowable deformation when stand is placed off center.

**Proof Load Test:** Stand structurally limits allowable deformation at 200% of rated capacity.

\*Bosch testing to ASME PASE-2019 standards, conducted in Owatonna, Minnesota January – October 2019

## S020 COMING Q3



1778B

1779B

### S06

#### 6-ton steel jack stands

- Ratcheting design cannot be released under load
- Formed and welded steel base with baked enamel finish for strength, corrosion resistance

### S020

#### 20-ton steel jack stand

- Large 15-1/2" square base safely holds up to 40,000 lbs
- Dual pin-style stand with four adjustment positions

### S022

#### 22-ton steel jack stands

- 11" flat square base prevents sinking into concrete or other surfaces
- Large flat base rated to safely hold up to 44,000 lbs
- Pin Style Stand with 3 adjustment positions

### 1778B

#### 12-Ton Capacity Low profile Jack Stand (One only)

- Spun steel base won't dig or sink into asphalt or sand.
- Height range of 19" to 29-1/2".
- Covered by OTC Lifetime Warranty®.

Note: Recommend use in pairs.

### 1779B

#### 12-Ton Capacity High profile Jack Stand (One only)

- Spun steel base won't dig or sink into asphalt or sand.
- Height range of 33-3/4" to 44-1/4".
- Covered by OTC Lifetime Warranty®.

Note: Recommend use in pairs.

Heavy-duty stands	S06 (sold as a pair)	S020 (single)	S022 (sold as a pair)
Capacity	6-ton	20-ton	22-ton
Max height	23-11/16"	24"	19-7/8"
Min height	15-5/8"	15-1/4"	13-7/8"
Footprint	11-9/16" x 10-3/8" square base; welded foot pads	15-1/2" square base	11" square base, flat for maximum ground contact
Adjustment	Ratcheting; 11 teeth	Dual-pin; 4 slots	Pin-style; 3 slots in 3" increments
Saddle	V-notch style, 1.2" x 4.2"	6" dia., round steel	3" x 3-3/4" V-notch

# 6000 LB. REVOLVER® DIESEL ENGINE STAND & ADAPTERS



**1750A**

## 6000 LB. Revolver Diesel Engine Stand

- 96 to 1 ratio worm and gear set rotates components a full 360°; handle locks in any position.
- Includes 205061 universal mounting plate for use with individual engine adapter plates.



**217687 \***  
Caterpillar



**205060 \***  
Caterpillar



**218098**  
Cummins



**218099 \***  
Cummins



**61405 \***  
Cummins



**205059 \***  
Cummins



**61373 \***  
Allison



**208160 \***  
Allison



**205061**  
Engine  
mounting plate

## Caterpillar, Cummins, Allison and generic adapters

Item	Description	Application	Brand	Component	Requires use of 205061 plate*
<b>217687</b>	Caterpillar engine adapter plate	3114, 3116, 3176 in-line 6 cylinder and C12	Caterpillar	Engine	Yes
<b>205060</b>	Caterpillar engine adapter plate	1673, 1674, 1693, 3306, & 3406 in-line 6 cyl.; Nos. 1100, 3208, and 3408 V8	Caterpillar	Engine	Yes
<b>218098</b>	Cummins B series adapter plate	"B" series 5.9L in-line 6 cyl. engines	Cummins	Engine	No
<b>218099</b>	Cummins C series adapter plate	"C" series 8.3L in-line 6 cylinder engines	Cummins	Engine	Yes
<b>61405</b>	Cummins L-10, M11 engine adapter plate	L-10 and M11 series engines. Plate attaches to the left side of engine for complete tear down	Cummins	Engine	Yes
<b>205059</b>	Cummins engine adapter plate	All NH, NTC, NTE, N14 855 series in-line 6 cyl; 378 series V6; 504, 555, & 903 series V8; KT 1150 series in-line 6 cyl., L10	Cummins	Engine	Yes
<b>61373</b>	Allison transmission adapter plate	HT-750, CLBT, HT-740D, CR/DR, HT-750CT	Detroit Allison	Transmission	Yes
<b>208160</b>	Allison transmission adapter plate	AT500, MT600, MT 6-speed, VH, VS and V730	Detroit Allison	Transmission	Yes
<b>1750-35926</b>	Allison transmission adapter plate	Allison 3000 series transmissions	Detroit Allison	Transmission	No
<b>1750-41445</b>	Allison transmission adapter plate	Allison 4000 series transmissions; requires pairing with 1750-35926	Detroit Allison	Transmission	No
<b>205061</b>	Engine mounting plate	Universal adapter plate, included with 1750A. Must be used with most adapter plates	Generic engine plates	Generic	N/A - Adapter included with 1750A
<b>J-29109-J</b>	Kent-Moore stand adapter plate	Adapter plate to use adapters for Kent-Moore engine stand	Generic engine plates	Generic	No





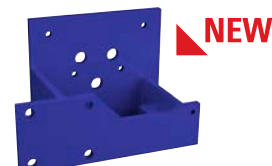
205058 \*  
Detroit Diesel



218504 \*  
Detroit Diesel



52871 \*  
Detroit Diesel



1750-47022  
Detroit Diesel



61681 \*  
Ford



206386 \*  
International Harvester / Ford



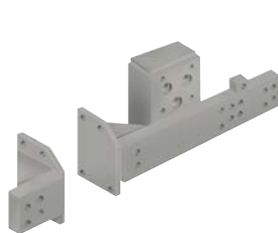
528856 \*  
International Harvester



528868 \*  
International Harvester

## Detroit Diesel, Ford and International Harvester adapters

Item	Description	Application	Brand	Component	Requires use of 205061 plate*
205058	Detroit Diesel Series 53, Series 71, Series 92 engine adapter plate	53 series inline 6, 6V and 8V; 71 series inline 6, 6V, 8V and 12V; 92 series 6V and 8V, 8.2-liter V8	Detroit Diesel	Engine	Yes
218504	Detroit Diesel Series 60 adapter plate	Series 60 inline 6-cylinder engines	Detroit Diesel	Engine	Yes
52871	Detroit Diesel Series 71 engine adapter plate	Coach 6V and 8V series 71 Detroit Diesel	Detroit Diesel	Engine	Yes
1750-47022	Detroit Diesel MBE 900 engine adapter plate	Detroit Diesel 2004 - 2007 MBE 900 engines	Detroit Diesel	Engine	No
61681	Ford 6.6L / 7.8L engine adapter mounting plate	Ford 6.6L/7.8L engines	Ford	Engine	Yes
206386	International Harvester / Ford engine adapter mounting plate	DT-466, DT-360, DT408, and 530 in-line 6 cylinder; DV-550, MV-404, MV-446, V304, V345, V392, 4-152, 4-196, 4-194; 9.0 liter and T444E V8; and Ford 6.9L, and 7.3L DIT	International Harvester / Ford	Engine	Yes
528856	International Harvester 300 & 400 series	IH300 & 400 Series	International Harvester	Engine	Yes
528868	International Harvester VT365 engine adapter mounting plate	International VT365	International Harvester	Engine	Yes



528859 \*  
John Deere



528861 \*  
John Deere



528863 \*  
John Deere



206629 \*  
Mack

## John Deere, Mark, Navistar and Volvo adapters (continued on page 12)

Item	Description	Application	Brand	Component	Requires use of 205061 plate*
528859	John Deere 400/500 series adapter	JD 400 and 500 engines	John Deere	Engine	Yes
528861	John Deere 4.5/6.8 adapter plate	JD Powertech 4.5L & 6.8L	John Deere	Engine	Yes
528863	John Deere 8995 V6 adapter plate	JD 8995 V6, must be used with 528859 400/500 series engine adapter	John Deere	Engine	Yes
206629	Mack engine adapter mounting plate	V8 1000, E6, & E7 in-line 6 cyl	Mack	Engine	Yes



205101 \*  
Mack



1750-4940 \*  
Navistar / IH



1750-4649 \*  
Navistar / IH



1750-4789 \*  
Navistar




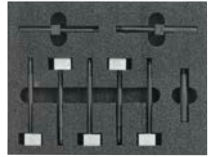




528853 \*  
Volvo

## John Deere, Mark, Navistar and Volvo adapters (continued)

205101	Mack engine adapter mounting plate	All 672, 673, 675, & 711 series in-line 6 cyl	Mack	Engine	Yes
528993	Mack engine adapter mounting plate	865, 868	Mack	Engine	Yes
1750-4940	Navistar / IH MaxxForce engine adapter plate	2010 - 2016 Navistar MaxxForce DT, MaxxForce 9, MaxxForce 10 engines	Navistar / International Harvester	Engine	Yes
1750-4649	Navistar / IH MaxxForce engine adapter plate	2004 - 2009 International Harvester DT466, DT570, HT570; Navistar MaxxForce DT, MaxxForce 9, MaxxForce 10 engines	Navistar / International Harvester	Engine	Yes
1750-4789	Navistar MaxxForce engine adapter plate	2007 - later MaxxForce 11, MaxxForce 13 engines	Navistar	Engine	Yes
528853	VOLVO TD67/TD71 ENGINE	TD67 and TD71 engines	Volvo	Engine	Yes

## DETROIT DIESEL ENGINE TOOLS

Detroit Diesel engine tools	Tool	Application	Use
	<b>6492-10</b> Oil Priming Adapter	Detroit Diesel DD13 and DD15 engines	This adapter allows for proper engine pre-lubing, preventing dry starts after engine service. The adapter installs into the oil priming port in the oil module. For use with the engine oil primer p/n OTC6492. For use on Detroit Diesel DD13 and DD15 engines. Similar to J-49181.
	<b>5881</b> Cam gear alignment fixture	Detroit Diesel Series 60	This tool pulls the cam drive gear hub and thrust plate forward for camshaft and/or thrust plate seal removal and installation. Similar to J-35906 and J-35906-6A.
	<b>5868</b> Fuel system test gauge	Detroit Diesel DD13 and DD15 engines	Used to properly diagnose and repair fuel systems. Similar to J-48876.
	<b>5870</b> Injector height gauge set	Detroit Diesel Two cycle 53, Two cycle 71, Two cycle 92, Series 60, and DDEC IV Engines.	Injector height gauges are used to properly set injector body height to the injector follower for proper fuel injector timing. Incorrect injector timing can cause engine power issues, poor idle quality and fuel mileage issues. OTC5870-1 1.460" (37.08 mm) OTC5870-2 1.484" (37.69 mm) OTC5870-3 3.078" (78.18 mm) OTC5870-4 3.102" (78.79 mm) OTC5870-5 3.161" (80.29 mm) OTC5870-6 3.199" (81.25 mm) OTC5870-7 3.232" (82.09 mm)
	<b>5889</b> Rocker Arm Shaft Socket	Detroit Diesel Series 60 engines	This deep-well 12mm socket is used to torque the rocker arm nut to OE specification and has a stepped outside diameter for proper clearance and access to the fastener. Similar to J-44706.
	<b>5887</b> Crankshaft Seal and Wear Sleeve	Detroit Diesel Series 60 and two cycle 92 engines	This tool installs the front and rear crankshaft wear sleeves and seals. It eliminates lip flare on the wear sleeve and installs the seal properly. Similar to J-35686-B.



# DETROIT DIESEL ENGINE TOOLS

Detroit Diesel engine tools	Tool	Application	Use
	<b>5869</b> Fuel System Priming Pump	All	Pressurizes the fuel system after service. Required to bleed air from the system and provide correct fuel pressure. Required for proper fuel system operation and efficient starting. Stainless steel tank for long life. Includes fuel line coupler fitting Similar to J-4791
	<b>5869-1</b> Fuel System Coupler Fitting	Detroit Diesel S60, MBE900, MBE4000	Connects to compu-check quick-connect fitting. Similar to J-47912-QC
	<b>4853</b> Piston Ring Compressor	All	Universal piston ring compressor fits most piston rings. Adjustable from 2.125" to 5.0" piston rings. Similar to J-8037
	<b>5877</b> Injector Cup R/I Tool	Detroit Diesel S60, MBE900, MBE4000	Two-tool set for screw-in stainless steel cups. Eases removal and installation of injector cups. Similar to J-46904 and J-48824
	<b>5879</b> Poppet Disassembly Tool	Detroit Diesel engines	Aids disassembly of poppet valves with 2-prong spanner style end. Similar to J-36452-B
	<b>5884</b> Cam Gear Retaining Tool	Detroit Diesel S60	Holds cam gear during cam gear bolt R&I. Secures to gear case with access cover bolts. Similar to J-35652-B
	<b>5886</b> Fuel Injector Torque Adapter	Detroit Diesel DD13 and DD15	Eases R&I of injector feed tubes. Unique design for clearance on injector tube nuts and can be used to properly torque injector tubes during installation. Similar to J-48770
	<b>5883</b> Crankshaft Alignment Tool	Detroit Diesel S60	Places No. 1 cylinder at TDC during camshaft timing inspection and service. Ensures crankshaft is aligned properly. Similar to J-45947
	<b>5883-1</b> Crankshaft Alignment Tool	Detroit Diesel S60	Replacement tip for 5883 crankshaft alignment tool.
	<b>5875</b> Cylinder Liner Remover	Detroit Diesel S60 12.7L with EGR; MTU S2000	Expands in the cylinder to pull liners from 5.0" to 5.75" inner diameter. Uses thrust bearings on expander and bridge nuts for friction-free operation. Similar to J-45876
	<b>5874</b> Cylinder Liner Installer	Detroit Diesel S60	Drive screw and plate forces cylinder liner into correct position. Attaches to engine with three cylinder head bolts. Similar to J-35597-A
	<b>5882</b> Cam Gear Alignment Tool	Detroit Diesel S60	Properly aligns the cam gear during camshaft assembly installation. Special pin fits into the cam timing hole for correct alignment Similar to J-45946
	<b>5872</b> Compression Gauge	Detroit Diesel S60I two cycle 53, 71, 92 and 149	Heavy-duty compression gauge with push-button release valve and quick-connect coupler. 0-1150 psi and 0-8000 kPa range. Similar to J-6692-B
	<b>5876</b> Injector Remover	Detroit Diesel S60	Removes seated injectors correctly. Thrust bearing under puller nut ensures smooth operation and removal. Similar to J-47372



**5295**

## Powertrain Lift

The sliding split table top design of this powertrain lift allows for separation of the engine/transmission assembly or hybrid engine/generator module, making service easier. The unique design also helps handle removal and installation of electric vehicle batteries, fuel tanks, suspension systems and other powertrain assemblies.

A generous ground clearance allows for floor crane access while a low collapsed height aids in servicing large components while still on the lift. The table tilts to help properly align components to the vehicle during installation and threaded holes in the tabletop accommodate future adapters and powertrains.

• 1,760-lb capacity • 36" x 42" tabletop • 21.5" minimum height • 70" max height

Similar to GM lift P/N GE-52200 and Honda lift P/N HON52200.

**NEW**



**5295-DA**

## Powertrain Lift Differential Adapter Set

Adapters mount to OTC 5295 powertrain lift table for proper handling of differential axle assemblies during servicing. Two axle tube stands support each side of the axle housing, while the pinion adapter stabilizes the differential from rotating. The pinion adapter features a reversible head that supports many different pinion and housing shapes and sizes. All adapters are height adjustable and feature hook points to attach the hold down strap to keep the axle assembly firmly positioned.



**5080A**

## Truck Front Leaf Spring, Pin, and Bushing Service Set

- Delivers 10 tons of hydraulic force to remove and install truck front spring eye bushing assemblies quickly and easily.
- Services bushings with diameters from 1-1/4" through 1-7/8", and pin diameters from 7/8" through 1-1/8". Handles all popular OE and aftermarket components, including Horton pin and bushing assemblies.
- Service bushing assemblies, in many cases, without removing leaf spring hangers and spring assemblies from the vehicle.
- All accessories are included except the hydraulic hand pump and hydraulic hose which must be purchased separately.



**1770A**

## 1,500 lb. Dual Wheel Dolly

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



**4295**

## Wheel Stud Service Kit

- Works on most hubs for installation and removal.
  - All sizes of studs.
- Installation done by pushing on the head, eliminating the need for threaded adapters.
  - Reduces number of adapters required
  - Reduces damage to studs
  - Increases ease of use
- Remove and install 10 studs in only 10-15 minutes (compare to 20-30 minutes for more expensive competitive products).
- Can be powered with an impact wrench, no hydraulic power source required.
- No need to remove hub from vehicle.
- Reduces risk of damage to hubs, studs, and bearings when using tool.
- Weighs only 12 lbs., assembled to remove studs and 14 lbs., assembled to install studs.



**5038**

## Brake Anchor Pin and Bushing Service Set

- With the No. 5038, there is no need to remove the bearing hub assembly just to replace the pins and bushings on 16-1/2" S-cam trailer and tractor "Q" brake systems. Much less complicated and time consuming!
- Special tooling and our C-frame press get you past the hub assembly, so you can do the job quickly and professionally without damaging other parts.
  - Includes everything needed for removal and replacement.





**7180**

### Universal Bearing Cup Installer

This handy, adjustable tool is designed to install wheel-bearing cups in a wide range of heavy-duty axles. Simply adjust and lock the jaws to the cup I.D., slip on the new cup, set it in the bore, and drive it in with a hammer.

The tool helps eliminate the damage caused by makeshift methods.

- Works on axles from 11,000 to 50,000 lb. capacity.
- Adjusts to fit 3-5/8" to 6-1/2" O.D. bearing cups, which adds up to as many as 30 individual drivers.

**1205**

### Universal Puller for Wet-Type Sleeves

This tool will remove cylinder sleeves faster than ordinary pullers because it requires very little setup time. Cone adjustment positions the puller jaws quickly, locking bar is tightened. The puller features a 5 lb. slide hammer to help bust loose even the most stubborn sleeves.

- Special adapters are unnecessary.
- Adjustable jaws fit sleeves 3" to 6-1/2" in diameter.



**5057**

### Clevis Pin Press

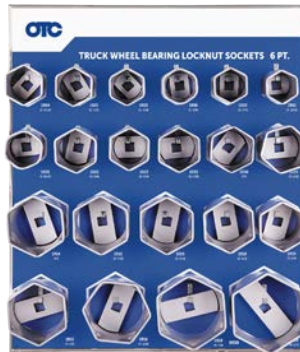
Removing corroded clevis pins from a brake air-chamber push rod can be a maddening and time-consuming task— unless you're using our clevis pin press. This handy screw-operated tool applies the force just where it's needed. The pin is easily removed from its hole without damaging nearby components.



**5190A**

### Heavy-Duty U-Joint Puller

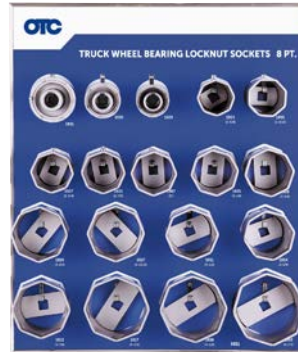
- The ideal tool for disassembling drivelines.
- May be used with up to a one-inch impact wrench.
- Quickly and easily removes sealed U-joint cups without the need for hammering or heat.
- Will not damage the driveshaft, yoke, bearing cups, or joints.
- Fits practically all Class 7 and 8 trucks, including: Spicer driveline 1610, 1710, 1760, 1810, 1880 Spicer SPL 140, 170, and 250 "Life Series" Meritor (Rockwell) 16N, 17N, 18N, 1710 Meritor RPL 20 and 25 "Permalube" Series.



**9850**

### Truck Wheel Bearing Locknut Sockets (6-pt.)

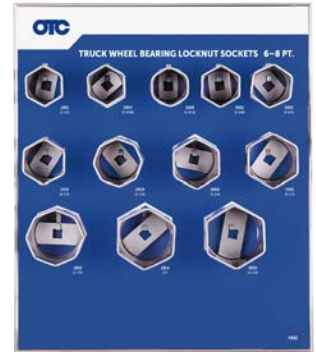
- Wheel bearing locknuts are easy to remove or install with these specially designed sockets. They're made of high-strength steel and resist rounding out.
- 21 wheel bearing locknut sockets (6 pt.) with tool board.
- Sockets are designed for use with 3/4" square-drive manual tools only. Impact tool use voids warranty.



**9851**

### Wheel Bearing Locknut Sockets (8-pt.)

- Wheel bearing locknuts are easy to remove or install with these specially designed sockets. They're made of high-strength steel and resist rounding out.
- 18 wheel bearing locknut sockets (8 pt.) with tool board.
- Sockets are designed for use with 3/4" square-drive manual tools only. Impact tool use voids warranty.



**9852**

### Wheel Bearing Locknut Sockets (6-pt.) or (8-pt.)

- Wheel bearing locknuts are easy to remove or install with these specially designed sockets. They're made of high-strength steel and resist rounding out.
- 12 popular sizes in 6- or 8-point.
- Sockets are designed for use with 3/4" square-drive manual tools only. Impact tool use voids warranty.

No.	Description
1901	Locknut socket (2-3/32")
1902	Locknut socket (2-3/8")
1904	Locknut socket (2-9/16")
1906	Locknut socket (3")
1908	Locknut socket (3-1/4")
1910	Locknut socket (3-1/2")
1912	Locknut socket (3-7/8")
1914	Locknut socket (4")
1915	Locknut socket (4-1/8")
1916	Locknut socket (4-3/8")
1918	Locknut socket (4-7/8")
1920	Locknut socket (2-1/4")
1921	Locknut socket (2-1/2")
1922	Locknut socket (2-5/8")
1923	Locknut socket (2-3/4")
1926	Locknut socket (3-3/4")
1928	Locknut socket (2-9/16" rounded)
1932	Locknut socket (2-7/8")
1934	Locknut socket (3-1/8")
1936	Locknut socket (2-3/8" rounded)
1939	Locknut socket (5-1/4")

No.	Description
1903	Locknut socket (2-3/8")
1905	Locknut socket (2-9/16")
1907	Locknut socket (3")
1909	Locknut socket (3-1/4")
1911	Locknut socket (3-1/2")
1913	Locknut socket (3-7/8")
1917	Locknut socket (4-3/8")
1919	Locknut socket (4-7/8")
1924	Locknut socket (3-3/8")
1925	Locknut socket (3-3/4")
1927	Locknut socket (3-13/16")
1929	Locknut socket (2-5/8")
1930	Locknut socket (2-7/8")
1931	Locknut socket (3-5/8")
1933	Locknut socket (2-7/8")
1935	Locknut socket (3-1/8")
1937	Locknut socket (2-3/4")
1938	Locknut socket (4-1/2")

No.	Description
1904	Locknut socket (2-9/16" hex)
1908	Locknut socket (3-1/4" hex)
1909	Locknut socket (3-1/4" 8 pt.)
1910	Locknut socket (3-1/2" hex)
1913	Locknut socket (3-7/8" 8 pt.)
1914	Locknut socket (4" hex)
1915	Locknut socket (4-1/8" hex)
1921	Locknut socket (2-1/2" hex)
1922	Locknut socket (2-5/8" hex)
1923	Locknut socket (2-3/4" hex)
1928	Locknut socket (2-9/16" hex rounded)
1932	Locknut socket (2-7/8" hex)



**5047LP**

### Lug Nut Cap Remover Locking Pliers

- Designed to remove lug nut caps found on heavy duty truck and trailers quickly and easily without damage.
- Locking plier design with specially coated jaws apply maximum grip on the lug nut caps without damage.



**5047**

### Lug Nut Cap Remover

- Remove chrome-plated lug nut caps from heavy-duty trucks and trailers
- Coated jaws won't slip off caps for fast, damage-free removal

# OTC HD Spindle Adapter

5091

## HD Spindle Adapter

- Adapter for low lift transmission jacks that holds the spindle assembly firmly in place during king pin service.
- Eliminates the need to completely disassemble the brakes to reduce spindle weight for handling.
- Spindle assembly can be raised to a comfortable working height while replacing king pin bearings or bushings.
- Patented design will work with standard HD truck bolt patterns and wheel stud sizes.
- Adapts to most low lift trans jacks.
- Shown on 1522A low lift transmission jack



# Heavy Duty A/C Recovery and Multi-Refrigerant Recover, Recycle and Recharge Machines

34888HD

The Robinair 34888HD heavy duty machine recovers, recycles, evacuates, leak-tests and recharges R-134a with 98.5% efficiency in both small and large mobile air conditioning systems.

- › Large capacity, removable tank and liquid pump for larger A/C systems, typically found in busses
- › Nitrogen port to dry and leak test A/C systems
- › Fully automatic recovery, system evacuation, leak testing, refrigerant charge and oil drain/inject
- › Optional printer for capturing and retaining vehicle service data
- › SAE J2788 certified
- › Uses Robinair 34724 filter and high vacuum pump oil



17800C

The 17800C recovers, recycles, evacuates and recharges, all in one fast and continuous operation through one hook-up. It's ideal for mass transit vehicles, buses, refrigerate trailers or containers and other applications that use refrigerants not typically found in mobile applications.

- › Automatic function with step-by-step user prompts and maintenance reminders
- › Automatically adjusts from liquid to vapor for fast and efficient recovery
- › Electronic scale for precise refrigerant recovery and recharge amount, with overfill protection
- › 5 CFM vacuum pump is large enough to thoroughly evacuate most systems
- › Manual air purge function to remove any non-condensable contaminants
- › Vacuum leak test function allows user to monitor the system for vacuum decay to determine if a leak exists in the A/C system
- › Automatic oil drain allows the user to see amount of oil removed from the system being serviced
- › Heavy-duty filter can handle up to 300 lbs. of refrigerant effectively removing moisture and acid from the refrigerant
- › Easy to view 4.3" color graphic display
- › Maintenance counters to monitor cumulative amounts of refrigerant recovered and charged, as well as other machine operation variables
- › Optional printer can be added to expand capabilities and provide printed record of service performed
- › Compatible with R12, R22, R134A, R401A, R401B, R402A, R402B, R404A, R407A, R407B, R407C, R410A, R500, R502, and R507 refrigerants
- › Cannot be used on refrigerant systems found in Class I – III light-duty passenger vehicles. For mass-transit vehicles and stationary systems using multiple refrigerants only. Not for automotive passenger vehicle systems
- › Uses Robinair 19776 heavy-duty replacement filter and high vacuum pump oil



## Features

**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 system

**Visual & Audible Alarm:** Notifies the user when service is complete, or if a problem has occurred

**Nitrogen Port:** Inject nitrogen into the vehicle's A/C system to dry or leak check the system

**Automatic Air Purge:** Eliminates system-damaging air without monitoring gauges or opening valves

**Vacuum Feature:** Defaults to 15 mins, programmable up to 99 mins. "Remaining time" is displayed

**Removal External Tank:** The ability to switch tanks when performing multiple recoveries on large mobile A/C systems

**Display:** Multilingual

**Refrigerant Management System:** Displays refrigerant use and monitors remaining filter life. Prompts appear when 1/3 of filter life remains

**Refrigerant Charging:** Select a charge mode from high or low side, or use both sides

**Optional:** Printer

## Specifications

Voltage	115VAC, 60Hz (17800C), 230VAC, 50Hz (17801C)
Operating Temp Range	50 to 105° F (11 to 41° C)
Recovery rate	Vapor, 0.5 lbs./min and Liquid 1 lbs./min
Vacuum Pump	5.0 cfm at 60 Hz
Hose length	18 ft. (5.5 m)
Recycling filter	300 lbs. refrigerant capacity
Dimensions	47" H x 26" W x 30" D
Certification	UL 1963, UL STANDARD FOR SAFETY REFRIGERANT RECOVERY/RECYCLING EQUIPMENT
Weight	230 lbs. (without tank)