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

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

For more information on software updates and off-highway coverage upgrades, visit 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

## 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

### 1699200240

**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

### 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.

---

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

---
HENDRICKSON SUSPENSION

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

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.

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.

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.

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.

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.

Hendrickson Front Suspension Bushing Tool
• Suspension bushing tool kit used to remove and replace the leaf spring bushings on Hendrickson Airtek 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.
**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

**Freightliner Rear Suspension Tool**

**1757**
**Hendrickson Bar Pin Adapter Set**
Adapter set is used with the beam removed from the truck, and in conjunction with OTC No. 53100 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 B-1/2” ride height
  - Type B - PAX 230/460/690 with 10” ride height.

**OTC EQUIPMENT**

**Diesel Exhaust Fluid (DEF) Refractometer**
- 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.

**Freightliner Rear Suspension Tool**
- Includes 2510A Air/Hydraulic Pump.

**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.

**4244**
**Freightliner Rear Suspension Tool**

**4245**
**Freightliner Rear Suspension Tool**

**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 inter-changeable 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

- 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.
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 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.

5702 Tire Bead Seater
The 5702 OTC Tire Bead Seater provides many of the great features of its 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.

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.

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.

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.

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.
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.

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.

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.

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.
600005 – 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.

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 fairing.
• Linkage raises load from horizontal to vertical position.
• 360 degree swivel head.
• Covered by OTC Lifetime Warranty®.

516160 – 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 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.

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

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.

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

#### 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

#### 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 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

### Specifications

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

---

**ALWAYS SUPPORT VEHICLE WITH OTC JACK STANDS**

**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

---

**Heavy-duty stands**

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

**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.
**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.

---

### Caterpillar, Cummins, Allison and generic adapters

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Application</th>
<th>Brand</th>
<th>Component</th>
<th>Requires use of 205061 plate*</th>
</tr>
</thead>
<tbody>
<tr>
<td>217687</td>
<td>Caterpillar engine adapter plate</td>
<td>3114, 3116, 3176 in-line 6 cylinder and C12</td>
<td>Caterpillar</td>
<td>Engine</td>
<td>Yes</td>
</tr>
<tr>
<td>205060</td>
<td>Caterpillar engine adapter plate</td>
<td>1673, 1674, 1693, 3306, &amp; 3406 in-line 6 cyl.; Nos. 1100, 3208, and 3408 V8</td>
<td>Caterpillar</td>
<td>Engine</td>
<td>Yes</td>
</tr>
<tr>
<td>218098</td>
<td>Cummins B series adapter plate</td>
<td>“B” series 5.9L in-line 6 cyl. engines</td>
<td>Cummins</td>
<td>Engine</td>
<td>No</td>
</tr>
<tr>
<td>218099</td>
<td>Cummins C series adapter plate</td>
<td>“C” series 8.3L in-line 6 cylinder engines</td>
<td>Cummins</td>
<td>Engine</td>
<td>Yes</td>
</tr>
<tr>
<td>61405</td>
<td>Cummins L-10, M11 engine adapter plate</td>
<td>L-10 and M11 series engines. Plate attaches to the left side of engine for complete tear down</td>
<td>Cummins</td>
<td>Engine</td>
<td>Yes</td>
</tr>
<tr>
<td>205059</td>
<td>Cummins engine adapter plate</td>
<td>All NH, NTC, NTE, N14 855 series in-line 6 cyl; 378 series V6; 504, 555, &amp; 903 series V8; KT 1150 series in-line 6 cyl., L10</td>
<td>Cummins</td>
<td>Engine</td>
<td>Yes</td>
</tr>
<tr>
<td>61373</td>
<td>Allison transmission adapter plate</td>
<td>HT-750, CLBT, HT-740D, CR/DR, HT-750CT</td>
<td>Detroit Allison</td>
<td>Transmission</td>
<td>Yes</td>
</tr>
<tr>
<td>208160</td>
<td>Allison transmission adapter plate</td>
<td>AT500, MT600, MT 6-speed, VH, VS and VH730</td>
<td>Detroit Allison</td>
<td>Transmission</td>
<td>Yes</td>
</tr>
<tr>
<td>1750-35926</td>
<td>Allison transmission adapter plate</td>
<td>Allison 3000 series transmissions</td>
<td>Detroit Allison</td>
<td>Transmission</td>
<td>No</td>
</tr>
<tr>
<td>1750-41445</td>
<td>Allison transmission adapter plate</td>
<td>Allison 4000 series transmissions; requires pairing with 1750-35926</td>
<td>Detroit Allison</td>
<td>Transmission</td>
<td>No</td>
</tr>
<tr>
<td>205061</td>
<td>Engine mounting plate</td>
<td>Universal adapter plate, included with 1750A. Must be used with most adapter plates</td>
<td>Generic engine plates</td>
<td>Generic</td>
<td>No</td>
</tr>
<tr>
<td>J-29109-J</td>
<td>Kent-Moore stand adapter plate</td>
<td>Adapter plate to use adapters for Kent-Moore engine stand</td>
<td>Generic engine plates</td>
<td>Generic</td>
<td>No</td>
</tr>
</tbody>
</table>
Detroit Diesel, Ford and International Harvester adapters

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Application</th>
<th>Brand</th>
<th>Component</th>
<th>Requires use of 205061 plate*</th>
</tr>
</thead>
<tbody>
<tr>
<td>205058</td>
<td>Detroit Diesel Series 53, Series 71, Series 92 engine adapter plate</td>
<td>53 series inline 6, 6V and 8V; 71 series inline 6, 6V, 8V and 12V; 92 series 6V and 8V, 8.2-liter V8</td>
<td>Detroit Diesel</td>
<td>Engine</td>
<td>Yes</td>
</tr>
<tr>
<td>218504</td>
<td>Detroit Diesel Series 60 adapter plate</td>
<td>Series 60 inline 6-cylinder engines</td>
<td>Detroit Diesel</td>
<td>Engine</td>
<td>Yes</td>
</tr>
<tr>
<td>52871</td>
<td>Detroit Diesel Series 71 engine adapter plate</td>
<td>Coach 6V and 8V series 71 Detroit Diesel</td>
<td>Detroit Diesel</td>
<td>Engine</td>
<td>Yes</td>
</tr>
<tr>
<td>1750-47022</td>
<td>Detroit Diesel MBE 900 engine adapter plate</td>
<td>Detroit Diesel 2004 - 2007 MBE 900 engines</td>
<td>Detroit Diesel</td>
<td>Engine</td>
<td>No</td>
</tr>
<tr>
<td>61681</td>
<td>Ford 6.6L / 7.8L engine adapter mounting plate</td>
<td>Ford 6.6L/7.8L engines</td>
<td>Ford</td>
<td>Engine</td>
<td>Yes</td>
</tr>
<tr>
<td>206386</td>
<td>International Harvester / Ford engine adapter mounting plate</td>
<td>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</td>
<td>International Harvester / Ford</td>
<td>Engine</td>
<td>Yes</td>
</tr>
<tr>
<td>528856</td>
<td>International Harvester 300 &amp; 400 series</td>
<td>IH300 &amp; 400 Series</td>
<td>International Harvester</td>
<td>Engine</td>
<td>Yes</td>
</tr>
<tr>
<td>528868</td>
<td>International Harvester VT365 engine adapter mounting plate</td>
<td>International VT365</td>
<td>International Harvester</td>
<td>Engine</td>
<td>Yes</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Application</th>
<th>Brand</th>
<th>Component</th>
<th>Requires use of 205061 plate*</th>
</tr>
</thead>
<tbody>
<tr>
<td>528859</td>
<td>John Deere 400/500 series adapter</td>
<td>JD 400 and 500 engines</td>
<td>John Deere</td>
<td>Engine</td>
<td>Yes</td>
</tr>
<tr>
<td>528861</td>
<td>John Deere 4.5/6.8 adapter plate</td>
<td>JD Powertech 4.5L &amp; 6.8L</td>
<td>John Deere</td>
<td>Engine</td>
<td>Yes</td>
</tr>
<tr>
<td>528863</td>
<td>John Deere 8995 V6 adapter plate</td>
<td>JD 8995 V6, must be used with 528859 400/500 series engine adapter</td>
<td>John Deere</td>
<td>Engine</td>
<td>Yes</td>
</tr>
<tr>
<td>206629</td>
<td>Mack engine adapter mounting plate</td>
<td>V8 1000, E6, &amp; E7 in-line 6 cyl</td>
<td>Mack</td>
<td>Engine</td>
<td>Yes</td>
</tr>
</tbody>
</table>
### John Deere, Mark, Navistar and Volvo adapters (continued)

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Application</th>
<th>Brand/Engine</th>
<th>SpecIFICations</th>
</tr>
</thead>
<tbody>
<tr>
<td>205101</td>
<td>Mack engine adapter mounting plate</td>
<td>All 672, 673, 675, &amp; 711 series in-line 6 cyl</td>
<td>Mack Engine</td>
<td>Yes</td>
</tr>
<tr>
<td>528858</td>
<td>Mack engine adapter mounting plate</td>
<td>865, 868</td>
<td>Mack Engine</td>
<td>Yes</td>
</tr>
<tr>
<td>1750-4940</td>
<td>Navistar / IH MaxxForce engine adapter plate</td>
<td>2010 - 2016 Navistar MaxxForce DT, MaxxForce 9, MaxxForce 10 engines</td>
<td>Navistar / International Harvester</td>
<td>Engine</td>
</tr>
<tr>
<td>1750-4649</td>
<td>Navistar / IH MaxxForce engine adapter plate</td>
<td>2004 - 2009 International Harvester DT466, DT570, HT570; Navistar MaxxForce DT, MaxxForce 9, MaxxForce 10 engines</td>
<td>Navistar / International Harvester</td>
<td>Engine</td>
</tr>
<tr>
<td>1750-4789</td>
<td>Navistar MaxxForce engine adapter plate</td>
<td>2007 - later MaxxForce 11, MaxxForce 13 engines</td>
<td>Navistar Engine</td>
<td>Yes</td>
</tr>
<tr>
<td>528853</td>
<td>VOLVO TD67/TD71 ENGINE</td>
<td>TD67 and TD71 engines</td>
<td>Volvo Engine</td>
<td>Yes</td>
</tr>
</tbody>
</table>

### DETROIT DIESEL ENGINE TOOLS

<table>
<thead>
<tr>
<th>Detroit Diesel engine tools</th>
<th>Tool</th>
<th>Application</th>
<th>Use Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>6492-10</td>
<td>Detroit Diesel DD13 and DD15 engines</td>
<td>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.</td>
</tr>
<tr>
<td></td>
<td>5881</td>
<td>Detroit Diesel Series 60</td>
<td>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-35906-6A.</td>
</tr>
<tr>
<td></td>
<td>5868</td>
<td>Detroit Diesel DD13 and DD15 engines</td>
<td>Used to properly diagnose and repair fuel systems. Similar to J-48876.</td>
</tr>
<tr>
<td></td>
<td>5870</td>
<td>Detroit Diesel Two cycle 53, Two cycle 71, Two cycle 92, Series 60, and DDEC IV Engines</td>
<td>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.</td>
</tr>
<tr>
<td></td>
<td>5889</td>
<td>Detroit Diesel Series 60 engines</td>
<td>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.</td>
</tr>
<tr>
<td></td>
<td>5887</td>
<td>Detroit Diesel Series 60 and two cycle 92 engines</td>
<td>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.</td>
</tr>
</tbody>
</table>
## DETROIT DIESEL ENGINE TOOLS

<table>
<thead>
<tr>
<th>Detroit Diesel engine tools</th>
<th>Tool</th>
<th>Application</th>
<th>Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>5869</td>
<td>Fuel System Priming Pump</td>
<td>All</td>
<td>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</td>
</tr>
<tr>
<td>5869-1</td>
<td>Fuel System Coupler Fitting</td>
<td>Detroit Diesel S60, MBE900, MBE4000</td>
<td>Connects to compu-check quick-connect fitting. Similar to J-47912-QC</td>
</tr>
<tr>
<td>4853</td>
<td>Piston Ring Compressor</td>
<td>All</td>
<td>Universal piston ring compressor fits most piston rings. Adjustable from 2.125” to 5.0” piston rings. Similar to J-8037</td>
</tr>
<tr>
<td>5877</td>
<td>Injector Cup R/I Tool</td>
<td>Detroit Diesel S60, MBE900, MBE4000</td>
<td>Two-tool set for screw-in stainless steel cups. Eases removal and installation of injector cups. Similar to J-46904 and J-48824</td>
</tr>
<tr>
<td>5879</td>
<td>Poppet Disassembly Tool</td>
<td>Detroit Diesel engines</td>
<td>Aids disassembly of poppet valves with 2-prong spanner style end. Similar to J-36452-B</td>
</tr>
<tr>
<td>5884</td>
<td>Cam Gear Retaining Tool</td>
<td>Detroit Diesel S60</td>
<td>Holds cam gear during cam gear bolt R/I. Secures to gear case with access cover bolts. Similar to J-35652-B</td>
</tr>
<tr>
<td>5886</td>
<td>Fuel Injector Torque Adapter</td>
<td>Detroit Diesel DD13 and DD15</td>
<td>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</td>
</tr>
<tr>
<td>5883</td>
<td>Crankshaft Alignment Tool</td>
<td>Detroit Diesel S60</td>
<td>Places No. 1 cylinder at TDC during camshaft timing inspection and service. Ensures crankshaft is aligned properly. Similar to J-45947</td>
</tr>
<tr>
<td>5883-1</td>
<td>Crankshaft Alignment Tool</td>
<td>Detroit Diesel S60</td>
<td>Replacement tip for 5883 crankshaft alignment tool.</td>
</tr>
<tr>
<td>5875</td>
<td>Cylinder Liner Remover</td>
<td>Detroit Diesel S60 12.7L with EGR, MTU S2000</td>
<td>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</td>
</tr>
<tr>
<td>5874</td>
<td>Cylinder Liner Installer</td>
<td>Detroit Diesel S60</td>
<td>Drive screw and plate forces cylinder liner into correct position. Attaches to engine with three cylinder head bolts. Similar to J-35597-A</td>
</tr>
<tr>
<td>5882</td>
<td>Cam Gear Alignment Tool</td>
<td>Detroit Diesel S60</td>
<td>Properly aligns the cam gear during camshaft assembly installation. Special pin fits into the cam timing hole for correct alignment. Similar to J-45946</td>
</tr>
<tr>
<td>5872</td>
<td>Compression Gauge</td>
<td>Detroit Diesel S60 two cycle 53, 71, 92 and 149</td>
<td>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</td>
</tr>
<tr>
<td>5876</td>
<td>Injector Remover</td>
<td>Detroit Diesel S60</td>
<td>Removes seated injectors correctly. Thrust bearing under puller nut ensures smooth operation and removal. Similar to J-47372</td>
</tr>
</tbody>
</table>
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.

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.

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®.

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.

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

• Weighs only 14 lbs., assembled to install studs.

14
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 5-5/8” to 6-1/2” O.D. bearing cups, which adds up to as many as 30 individual drivers.

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.
• 12 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.

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

**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
- **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

**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
- 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

**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)