HEAVY-DUTY SOLUTIONS
FORGED FROM 100 YEARS OF RELENTLESS INNOVATION
HEAVY DUTY TOOLS & EQUIPMENT

DIESEL COMPRESSION TESTERS

3642
12V–24V Truck Circuit Tester
Product Features:
• Works on 12–24 volt systems.
• Features 7” stainless steel probe.
• 24’ coil cord.
• Extra large clamp.

3903
24’ Jumper leads
From headlight to taillight, this extra long test lead stretches to over 24 feet in length. Constructed from high quality polyurethane, high visibility coil cord test lead has superior memory retention and resistance to grease and oil.

3673
Diesel Glow Plug Tester
Glow Plug Tester provides fault detection thru LED’s for a quick analysis; Short Circuit, Over Current, Normal Operation, Open Circuit/ Under Current.
• Glow Plug Tester allows for testing without removing glow plug from engine.
• Powers the glow plug to test plug in it’s operating state.
• Much more accurate test than a cold resistance test, which can miss short circuits.
• Tester uses a current measurement to accurately determine proper operation and check for short circuits.

3674
Diesel Fuel Pressure Tester
• Simple one wire connectivity to the fuel pressure sensor signal wire. Designed for diesel engines that have a fuel pressure sensor reading used by vehicle computer.
• Displays pressure in PSI or BAR.
• Range 0–22,000 PSI (0-1500 BAR).
• Read diesel fuel pressure in vehicle.
• No fittings required.
• Readings alternate between current and max pressure.

No need to have fuel or transmission hoses inside vehicle during a road test.
No makeshift taping of gauges to the windshield.

Multi-Application Digital Pressure and Temperature Analyzer
Combining the functions of vacuum, oil pressure, hydraulic system pressure, fuel pressure, transmission pressure, compression, and air conditioning—all in one!

3492
Heavy-duty digital pressure/temperature analyzer with four pressure input receptacles and protective boot. Set includes: No. 3491-02 (5,000 psi) transducer, No. 3491-13 20’ cable, No. 3500-05 bead-type temperature probe, assorted fittings. No. 3491-31 plastic storage case, instruction manual.

Diesel Compression Tester with Adapters
This easy-to-use compression tester is designed for light- and medium-duty diesel engines equipped with glow plugs. A dual-reading gauge, featuring a push-button release valve, measures compression pressure in PSI or BAR. The hose end has quick disconnect fittings. The tester comes with glow plugs and nozzle adapters in a handy storage case.

Tester services these engines:
• Cummins B and C
• Navistar DT466/DT360
• Ford/Navistar 6.9L & 7.3L
• Detroit 6.2L & 6.5L
• Hino diesel and Mitsubishi Fuso truck engines

Use with OTC’s No. 3398 to find clogged/dirty fuel injectors.
Pinpoints worn power steering pumps or racks.
PSI reading for hydrostatic drives and high pressure hydraulic.
Finds blocked intake ports and plugged catalytic converters.
Checks transmission cooler efficiency and catalytic converter temperature.

Accessory:
3491-01 – 500 psi transducer
3491-02 – 5,000 psi transducer. Required for ABS and power steering pressure readings.
3491-03 – 10,000 psi transducer.
(Note: For No. 3492 only.)

5020 – Diesel compression tester with adapters

5021 – Universal diesel engine compression gauge
304802 – Replacement gauge
Replacement Adapters (available separately)

47484 – Hino diesel truck engines with 12 mm x 1.25 thread
209633 – Ford 6.6L & 7.8L diesels
217791 – Cummins B 3.9L 4 cyl. & 5.9L 6 cyl. ’89–’98
308472 – Mitsubishi Fuso truck 4D & 6D engines with 10 mm x 1.25 thread
310810 – Cummins C 8.3L 6 cyl. ’88–’96
310832 – Ford/Navistar 6.9L & 7.3L, Detroit 6.2L & 6.5L with 10 mm x 1.0 thread
310840 – Navistar DT466/DT360

6076 Ford Diesel Compression Test Adapter
• Use with OTC No. 5021 diesel engine compression gauge.
• Remove glow plug; this adapter is used to connect the No. 5021 gauge to perform a compression test.

6660 Ford Diesel Compression Test Adapter
• Use with OTC No. 5021 diesel engine compression gauge.
Ford Rear Main Oil Seal Kit
- A complete kit with the tools you need to correctly remove and install the rear main oil seal and wear ring on the crankshaft.
- Eliminates makeshift methods of seal removal and installation that could damage the new seal or crankshaft.

Ford High Pressure Oil Line Disconnect Tool
- Use to disconnect the high pressure oil line from the cylinder head.

GM Duramax Injector Pullers
- Designed to pull injectors on a GM Duramax 6.6L engines.

Diesel Fuel Pressure Gauge
- Designed to test fuel pressure on GM Duramax diesel engines.
- Similar to J-44638.

Detroit Diesel Injector Socket
- Used on GM 6.2L and 6.5L diesel engines.

Diesel Engine Barring Socket
- Designed to rotate engine on a Mack E7 and Cat 3208.
- Similar to J-38587-A.

Cummins Engine Barring Tool
- Insert the tool into the flywheel housing until it engages the ring gear, then attach a 1/2" square drive ratchet or breaker bar and turn. The tool’s load-bearing collar provides friction-free operation while rotating the tool in the housing.
- Works on Cummins B and C series diesel engines and 5.9L liter diesels used in Dodge pickups.

INSPECTOR REMOVER / INSTALLERS
HEAVY DUTY TOOLS & EQUIPMENT

6605A Glow Plug Remover
Set includes 10 mm and 12 mm split nuts, three spacers (3/16", 1/4", and 5/16"), plastic storage/organizer case and instructions. The 10 mm split nut will work on Ford 6.9L and 7.3L diesels; GM 6.2L, and 6.5L diesels; and various diesels in import vehicles. The 12 mm split nut works on various diesels in import vehicles, plus many agricultural and construction diesel applications.

6698 Ford 5-pin Connector Harness for Glow Plug Testing
- Provides an easy way to check glow plug resistance without having to remove the valve cover of 1994–98 Ford trucks and vans with 7.3L DIT (direct-injected turbocharged) diesel engines.
- Used with any standard digital volt ohmmeter to check glow plug resistance.

6659 Ford High Pressure Oil Line Disconnect Tool
- Use to disconnect the high pressure oil line from the cylinder head.

6674 Diesel Fuel Pressure Gauge
- Designed to test fuel pressure on GM Duramax diesel engines.
- Similar to J-44638.

6679 Ford Injector Remover / Installer Kit
- Removes and installs injectors without damaging the injector or cylinder head.

6752 6753 Fuel Injector Storage Rack with Protective Cups
- A set of eight replacement cups for 6752 6753 Fuel Injector Storage Rack with Protective Cups.
- Protective Cups – Similar to Ford No. 303-492
- Fuel Injector Storage Rack with Protective Cups
- Designed for the diesel truck market, this tool will work for just about any injector you need to remove for service or replacement.

6752 – Fuel Injector Storage Rack with Protective Cups
- A set of eight replacement cups for 6752 Fuel injector storage rack. Similar to Ford No. 303-D115.

6749 Diesel Engine Barring Socket
- Designed to rotate engine on a Mack E7 and Cat 3208.
- Similar to J-38587-A.

7471A Cummins Engine Barring Tool
- Insert the tool into the flywheel housing until it engages the ring gear, then attach a 1/2" square drive ratchet or breaker bar and turn. The tool’s load-bearing collar provides friction-free operation while rotating the tool in the housing.
- Works on Cummins B and C series diesel engines and 5.9L liter diesels used in Dodge pickups.

6698 GM Duramax Injector Puller
- Designed to pull injectors on a GM Duramax 6.6L engines.

6674 Ford Injector Remover / Installer Kit
- Removes and installs injectors without damaging the injector or cylinder head.

6674 Diesel Fuel Pressure Gauge
- Designed to test fuel pressure on GM Duramax diesel engines.
- Similar to J-44638.
OIL FILTER WRENCHES

HEAVY DUTY TOOLS & EQUIPMENT

7248
C-Frame Press
- The C-Frame used in conjunction with OTC Ball Joint Adapters. Can also be used for removing/installing universal joints with needle bearings, pressed in wheel studs, and brake anchor pins on heavy-duty vehicles. Suitable for general pressing operations.

6935
U-Joint Service Adapter
- For use with the 7248 C-Frame to service the u-joints found on Dana 60 4WD front drive axles.
  - Application:
    - 1977-1991 Chevrolet and GMC 1 Ton
    - 1975-2010 Dodge ½ & 1 Ton
    - 2000-2002 Ford Excursion
    - 1999-2008 F450
    - 1999-2010 F250
    - 2000-2002 Ford Excursion
    - 1975-2010 Dodge ¾ & 1 Ton
    - 1977-1991 Chevrolet and GMC 1 Ton
  - Accommodates a 1/2” drive ratchet.

Heavy-Duty Oil Filter Wrenches
- Features a 1/2” wide steel band that can stand up to the high torque needed to remove filters from trucks, tractors, and other heavy equipment.
- Use with a 1/2” drive ratchet or breaker bar.

4555 – Heavy-Duty Oil Filter Wrench for filter dia. of 4-1/8” to 4-21/32” (104 mm to 118 mm).
4556 – Heavy-Duty Oil Filter Wrench for filter dia. of 4-21/32” to 5-5/32” (118 mm to 131 mm).
4557 – Heavy-Duty Oil Filter Wrench for filter dia. of 5-5/32” to 5-21/32” (131 mm to 144 mm).

Adjustable Oil Filter Pliers
- Forged jaws with sure-grip teeth grab the filter for easy removal.
- Slip-joint ratchet and lock mechanism allows a secure grip on filters.

4560 – Small Adjustable Oil Filter Pliers. Plier is 13-1/2” long and fits filters ranging from 2-1/4” to 5” (57 mm to 127 mm) in diameter.
4561 – Large Adjustable Oil Filter Pliers. Plier is 18” long and fits filters ranging from 3-3/4” to 7” (95 mm to 178 mm) in diameter.
4562 – Adjustable Oil Filter Pliers Set. Includes both the No. 4560 and No. 4561 listed above.

4513
Heavy-Duty Snap Ring Pliers Set (2 piece)
- Heat treated steel “circlip” pliers for large equipment repair.
- Replaceable tips and spring ratchet locking mechanism to securely hold against snap ring tension.
- Internal pliers’ capacity 3-1/16” to 6-1/4” (78 mm to 159 mm) snap rings.
- External pliers’ capacity 3-1/2” to 6-1/2” (89 mm to 165 mm) snap rings.
- Blow-molded storage case includes extra sets of replaceable tips.
- Overall length 16”, handle length 12-1/2”.

<table>
<thead>
<tr>
<th>Tool No.</th>
<th>Description</th>
<th>Tool No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>4513-1</td>
<td>Internal snap ring pliers</td>
<td>4513-2</td>
<td>External snap ring pliers</td>
</tr>
<tr>
<td>4513-3</td>
<td>(2) 12” (3 mm) straight tip</td>
<td>4513-6</td>
<td>4 tip retaining screws</td>
</tr>
</tbody>
</table>

Retaining Ring Pliers
7300 – Internal, straight tip retaining ring pliers. 16” long.
7301 – External, straight tip retaining ring pliers. 16” long.

Giant Adjustable Wrenches
- The really big jobs call for really big tools. These wrenches will handle 42 bolt sizes from 1-3/8” to 4-3/4”. Together, both wrenches weigh just 41 lbs., but can replace over 1,000 lbs. of fixed-size wrenches.
7640 – Giant adjustable wrench. Rated to withstand 2,000 ft. lbs. of torque. Nut/bolt size 1-3/8” to 2-7/8”. Increments of Jaw adjustment 1/8”, length 24”. Head thickness 7/8”.
7641 – Giant adjustable wrench. Rated to withstand 5,000 ft. lbs. of torque. Nut/bolt size 2-3/4” to 4-3/4”. Increments of Jaw adjustment 1/8”, length 36”. Head thickness 1-1/8”.

7463
Gland Nut Wrench
This wrench is fully adjustable to fit hydraulic cylinders on vehicles having gland nuts from 1” to 3-1/4” in diameter. It also reverses to work on either 1/4” or 3/8” pinholes.
- Accommodates a 1/2” drive ratchet.

215128 – Replacement pin.

5961HD
Heavy-Duty Drain Plug Pro™
- For Agricultural, Commercial, and Heavy-Duty Vehicle Applications
- Remove fluid drain plugs without touching the plug or hot fluids!
- NO touching HOT plugs.
- NO HOT fluids on hands.
- Just magnetically attach heavy-duty drainplug pro™ to pre-loosened drain plugs and rotate to remove.
- Magnetic attachment for internal 1/2” square drive drain plugs.
- Magnetic attachment for large drain plugs.

1266
Adjustable Gland Nut Wrench
Here’s a wrench designed to fit hydraulic cylinders on most farm and construction equipment. It fits gland nuts from 2” to 6” diameter pin to pin. Includes reversible pins, sizes 1/4” and 5/16” diameter.
- Accommodates a 3/4” drive ratchet or breaker bar.

204928 – Replacement pin.

Similar to Ford D791L-6731-A

7062A
Universal Filter Wrench
This filter wrench will stand up to the job of removing nearly any spin-on filter (up to 6”). Universal design permits use on most vehicles. The tough 2” wide nylon strap holds firmly. The more leverage applied, the tighter it grips.
- Accommodates a 3/8” drive ratchet.

5028
Slide Hammer Puller
Just 8-1/2” long to fit into tight spots, but its 1-1/2 pound hammer gives you a little extra muscle for stubborn jobs. It’s perfect for pulling injector nozzles. The shank is threaded 1/2” – 20 and has a 5/8” – 18 threaded adapter included. Works with many OTC pulling attachments.
Sleeve Puller / Installer Sets
These sets work on a wide array of truck, bus, and tractor engines, as well as those in other vehicles. They’ll handle wet and dry sleeves—and you won’t need to remove head studs. Save time, effort, and money.
• Choice of two sets: manual or 17-1/2 ton hydraulic powered.
• Wide range of adapter plates available to fit most engines.

1200 Manual Sleeve Puller Set
This manually operated, screw-powered device removes cylinder sleeves from most truck, bus, and tractor engines. Adapter plates (not included in the set) accommodate a wide range of bore sizes. See application chart on next page. The puller enables one technician to handle sleeve-pulling tasks. Not recommended for Mack engines (use No. 1202 set).

1201 Installing Conversion Kit for 1200 Set
Permits the No. 1200 sleeve puller to handle both removing and installing operations. Use plate Nos. 1253–1256 for installing, and plate Nos. 1219–1250 for removing. Plates are not included with kit.

1202 – Sleeve puller without hydraulic assembly.

1203 – Sleeve puller with hydraulic assembly.

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. To aid in breaking “frozen” sleeves loose, adjustable bridge is positioned on the cylinder block and the bearing-mounted forcing nut is tightened. Next, bridge is removed and slide hammer assembly is attached. With a few sharp hammer blows, sleeve is pulled. In most cases, job time will average less than two minutes per cylinder. 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.

Sleeve Removal Plates
Designed to work with set Nos. 1200, 1202, and 1203, these removal plates fit the full spectrum of cylinder sleeve sizes. Determine engine bore size (“A” dimension) and O.D. of sleeve to be pulled (“B” dimension). Then consult chart to left and on next page.

No. 1201 Description (includes 1203 and 4140)
33769 Screw extension
41291 Installing bar
302340 Yoke assembly

No. 1202 Description (includes 1203 and 17-1/2 Ton Hydraulic Sleeve Puller Set)
37592 Three-way head
33769 Screw extension
302482 Speed nut
302340 Yoke assembly
10088 Cap screws, hex hd (3)
32976 Pulling screw
10586 Flat washers (3)
4180 208675 Swivel assembly

No. 1205 Description
33769 Screw extension
302482 Speed nut
302340 Yoke assembly
10088 Cap screws, hex hd (3)
32976 Pulling screw
10586 Flat washers (3)
4180

Sleeve Puller plate application chart
The puller plates listed here work with manual and 17-1/2 ton hydraulic sleeve pullers

<table>
<thead>
<tr>
<th>Bore Dia.</th>
<th>Plate No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>4”</td>
<td>1227</td>
</tr>
<tr>
<td>5-1/8”</td>
<td>1226</td>
</tr>
<tr>
<td>5-1/4”</td>
<td>1225</td>
</tr>
<tr>
<td>5-1/2”</td>
<td>1224</td>
</tr>
<tr>
<td>5-3/4”</td>
<td>1223</td>
</tr>
<tr>
<td>6”</td>
<td>1222</td>
</tr>
<tr>
<td>6-11/16”</td>
<td>1221</td>
</tr>
<tr>
<td>6-1/8”</td>
<td>1220</td>
</tr>
<tr>
<td>6-5/8”</td>
<td>1219</td>
</tr>
<tr>
<td>6-7/8”</td>
<td>1218</td>
</tr>
<tr>
<td>6-9/16”</td>
<td>1217</td>
</tr>
<tr>
<td>6-11/16”</td>
<td>1216</td>
</tr>
<tr>
<td>6-5/8”</td>
<td>1215</td>
</tr>
<tr>
<td>6-3/4”</td>
<td>1214</td>
</tr>
<tr>
<td>7”</td>
<td>1213</td>
</tr>
<tr>
<td>7-1/8”</td>
<td>1212</td>
</tr>
<tr>
<td>7-1/4”</td>
<td>1211</td>
</tr>
<tr>
<td>7-3/8”</td>
<td>1210</td>
</tr>
<tr>
<td>7-7/8”</td>
<td>1209</td>
</tr>
<tr>
<td>8”</td>
<td>1208</td>
</tr>
<tr>
<td>8-1/4”</td>
<td>1207</td>
</tr>
<tr>
<td>8-5/8”</td>
<td>1206</td>
</tr>
<tr>
<td>8-3/4”</td>
<td>1205</td>
</tr>
<tr>
<td>9”</td>
<td>1204</td>
</tr>
<tr>
<td>9-1/4”</td>
<td>1203</td>
</tr>
<tr>
<td>9-5/8”</td>
<td>1202</td>
</tr>
<tr>
<td>9-3/4”</td>
<td>1201</td>
</tr>
<tr>
<td>10”</td>
<td>1200</td>
</tr>
</tbody>
</table>

Universal puller for wet-type sleeves, see 1205.
HEAVY DUTY TOOLS

HEAVY DUTY TOOLS & EQUIPMENT

5022 Oil Seal and Wear Ring Installer
This two-piece tool makes the difficult job of correctly installing the rear crankshaft seal and wear ring on most Navistar DT-360 and DT-466 engines thru 1996 an easy task. Bolt the adapter to the crankshaft and wrench the component home.

- Eliminates damage to seals or wear ring that can occur when driving them into place.

7106 Cylinder Liner Height Gauge with Hold-Down Bar
This set lets you meet those exacting specifications necessary for optimum diesel engine performance. It accurately measures cylinder bore flatness and depth. The hold-down bar correctly seats the liner for accurate measurement of liner protrusion. The easy-to-read dial is in .001 inch graduations, 1.000” range.

5044 Self-Adjusting Clutch Rotating Tool
This handy tool replaces the self-adjuster mechanism on Spicer self-adjusting clutches, allowing you to manually adjust them with a wrench or socket.
- 3/4” hex drive.

7028 Clutch-Adjusting Wrench
This tool makes easy work of manually rotating a Cummins 855 cubic inch engine. It’s essential hardware when you’re bringing pistons to top dead center to adjust injector timing.

7470 Cummins Diesel Injector Timing Kit
Measures static timing on Cummins J, K, N, NH, V-12, N-14, and L-10 series diesel engines. With this tool you can determine the injector push tube travel in relation to piston travel. Tool is installed with one dial indicator in the injector bore and the other on the injector push tube. Turn the engine over manually to find top dead center. By checking the gauges, you can determine if timing is within factory specifications, then make adjustments to the cam followers.

5048 Pilot Bearing Pullers
These tools make quick work of pulling stubborn, rusted pilot bearings. No. 5048 fits 1-1/4” I.D. bearings, and No. 5049 fits 1” I.D. bearings. The puller’s forcing screw expands the jaws inside the bearing and simultaneously pushes against the crankshaft.
- 5048 – Pilot bearing puller for 1-1/4” I.D.
- 5049 – Pilot bearing puller for 1” I.D.

Pilot Bearing Pullers

7119 Compressor Drive-Gear Coupling Puller
Here’s the solution for removing the coupling from the Cummins Compact and Bendix air compressors found on many Cummins 855 cubic inch engines. The split collet design fits over the coupling, and mechanical force does the work.
- Works on compressors with 1-3/4” O.D. shaft.

7120 Cummins Drive-Pulley Tool Set
This two-piece set is designed to remove and install the drive pulley on Cummins NH and NTC 855 cubic inch engines. The 7120B remover simply bolts into the tapped holes for pulling. The 7120A installer threads onto the pulley accessory drive shaft for easy installation.
- 7120A – Drive-pulley installer.
- 7120B – Drive-pulley remover.

7121 Cylinder Liner Height Gauge

7119 Compressor Drive-Gear Coupling Puller

Sleeve Installation Plates
Each of these dry-sleeve installation plates covers a range of bore sizes. Their reversible design makes both sides usable. The plates work with our manual or 17-1/2 ton hydraulic puller/installers. (Nos. 1200, 1202, and 1203). Check chart at below to ensure correct sleeve selection.

Fits Sleeves

<table>
<thead>
<tr>
<th>From A</th>
<th>B</th>
<th>C</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-3/16” to 3-7/8”</td>
<td>3.171”</td>
<td>3.421”</td>
<td>1252</td>
</tr>
<tr>
<td>3-9/16” to 3-7/8”</td>
<td>3.546”</td>
<td>3.859”</td>
<td>1253</td>
</tr>
<tr>
<td>4-1/8” to 4-3/8”</td>
<td>4.019”</td>
<td>4.359”</td>
<td>1254</td>
</tr>
<tr>
<td>4-3/8” to 4-3/4”</td>
<td>4.390”</td>
<td>4.734”</td>
<td>1255</td>
</tr>
<tr>
<td>4-13/16” to 5-3/4”</td>
<td>4.797”</td>
<td>5.734”</td>
<td>1256</td>
</tr>
</tbody>
</table>

7028 Clutch-Adjusting Wrench

5009 Charged Air Cooler Tester
This is the easy way to find air leaks in the charged air cooler systems used on class 7 & 8 truck engines. The tester features a large 2-1/2”, 0-60 PSI pressure gauge, regulator and relief valve, and two safety cables. It also has quick disconnect air fittings that attach to a 3”, 3-1/2”, or 4” cooler hose.

7106 Cylinder Liner Height Gauge with Hold-Down Bar

5071 Cummins Water Pump Pulley Tool
This heavy-duty tool is designed to remove or install water pump pulleys on Cummins L10 and M11 engines, 1991 and newer. The installer has a rugged thrust bearing that allows for friction-free pulley installation without damaging pump components.

7120 Cummins Drive-Pulley Tool Set

Cummins Drive-Pulley Tool Set

5044 Self-Adjusting Clutch Rotating Tool
This handy tool replaces the self-adjuster mechanism on Spicer self-adjusting clutches, allowing you to manually adjust them with a wrench or socket.
- 3/4” hex drive.

5048 Pilot Bearing Pullers
These tools make quick work of pulling stubborn, rusted pilot bearings. No. 5048 fits 1-1/4” I.D. bearings, and No. 5049 fits 1” I.D. bearings. The puller’s forcing screw expands the jaws inside the bearing and simultaneously pushes against the crankshaft.
- 5048 – Pilot bearing puller for 1-1/4” I.D.
- 5049 – Pilot bearing puller for 1” I.D.
HEAVY DUTY TOOLS & EQUIPMENT

CLUTCH / U-JOINT TOOLS

5035 Truck Clutch Adjustment Set
The gauges in this set enable you to check the adjustment of pull-type, heavy-duty clutches, ensuring their correct operation. One gauge checks the amount of free play between the release bearing and transmission housing and the other one between the release bearing and transmission gauge lets you determine the amount of travel during installation.
- Release bearing travel gauge.
- Clutch pedal free play gauge.

5190A Heavy-Duty U-Joint Puller
This tool is available separately. It is designed for a 1/2" impact wrench, this U-joint tool removes even the most stubborn U-joints with ease. It's compact and easily set up, making it ideal for service calls. And it can be used at different angles and in tight places, eliminating those damaging makeshift methods. The puller's legs have holes for bolt storage.
- Bolts included: 5/16"-24 x 1-1/2", 3/8"-24 x 1-1/2", 7/16"-20 x 1-1/2", M8-1.25 mm x 35 mm.
- Works on most Dana Spicer and Meritor U-joints except Spicer's Life series model SPL 250X.

5191 Heavy-Duty Bearing Cup Installer
Quickly and easily installs bearing cups on Dana/Spartan SPL “Life Series” quick-disconnect universal joints.
- Three individual adapters press bearings to the manufacturer’s recommended depths.
- Adapters fit Spicer SPL 140, 170, and 250 series drivelines.

5070 – Truck clutch alignment shaft. 1-1/2" O.D., 30 mm pilot.

7072A – Truck clutch alignment shaft. 1-1/2" O.D., 1" pilot, 10 splines. 3.25" long. Similar to Ford 308-D002 (D79T-7550-A).

7073A – Truck clutch alignment shaft. 1-3/4" O.D., 1-1/4" pilot, 10 splines. 3.75" long. Similar to Ford 308-D002 (D79T-7550-B).

7074A – Truck clutch alignment shaft. 2" O.D., 1-1/4" pilot. 10 splines, 3.6" long. Similar to Ford 308-D003 (D79T-7550-C).

7490 U-Joint Tool
Designed for a 1/2" impact wrench, this U-joint tool removes even the most stubborn U-joints with ease. It’s compact and easily set up, making it ideal for service calls. And it can be used at different angles and in tight places, eliminating those damaging makeshift methods. The puller's legs have holes for bolt storage.
- Bolts included:
  - 5/16"-24 x 1-1/2", 3/8"-24 x 1-1/2", 7/16"-20 x 1-1/2", M8-1.25 mm x 35 mm.
  - Works on most Dana Spicer and Meritor U-joints except Spicer’s Life series model SPL 250X.

5043 Clutch Service Set
Here’s an ideal companion set to the clutch handler. Designed for Spicer heavy-duty clutches, the nine tools in this set help with a variety of jobs, from clutch installation and removal to flywheel drive-pin installation to clutch adjustment.
- Includes handy plastic carrying case.

5044* Self-adjust clutch rotating tool. Rotates adjusting ring.
5045* Flywheel drive pin installing tool. Aligns and installs drive pins in 14” heavy-duty truck pot-type flywheels.
5046* Clutch release tool. Removes shipping blocks from between clutch housing and release bearing.
7028* Adjusting wrench. For internal adjustment of multiple lever and angle-spring clutches.
7073A* Clutch alignment tool. 1-3/4" O.D. Provides perfect fit to spline of clutch disc.
7074A* Clutch alignment tool. 2" O.D. Provides perfect fit to spline of clutch disc.
213013 Pair of 3/8" flywheel to clutch guide pins.
213014 Pair of 7/16" flywheel to clutch guide pins.
213015 Hex key Wrench. Removes/install flywheel drive pin set screws.

* Tool is available separately.

www.otctools.com
HEAVY DUTY LOCKNUT SOCKETS
HEAVY DUTY TOOLS & EQUIPMENT

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.

NOTE: Sockets are designed for use with 3/4” square-drive manual tools only. Impact tool use voids sockets' warranty.

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<td>7796</td>
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</table>

Measure from flat to flat to determine size of locknut, then consult chart to find the correct socket.

* Fits special "rounded" hex nut found on Dana axles of some Ford trucks.
* Depth of locknut sockets is 5”.

5059 Hubcap Installer
Truckers like chrome, and many of them accent their truck’s drive axle with chrome hubcaps designed to snugly fit around the axle-shaft bolts. Unfortunately for service shops, these hubcaps are often tricky to install without causing damage. That’s where our hubcap installer comes in handy. Constructed of high-density polyethylene, this tool guides the cap into place over the axle nuts, protecting it from unwanted and costly dents.

5047 Lug Nut Cap Remover
Chrome-plated lug nut caps found on many heavy-duty trucks and trailers can be tough to remove, and they’re easily damaged if you pry them off or use an ordinary cap remover. This tool avoids those problems. It is ruggedly built and features specially coated jaws that won’t slip off the caps, no matter how much squeezing force you apply.
• Features cushioned handles.

Lug Nut Cap Remover Locking Pliers
• Designed to remove lug nut caps found on heavy duty truck and trailers quickly and easily without damage. Caps can be easily damaged by prying or using standard cap removers.
• Locking plier design with specially coated jaws apply maximum grip on the lug nut caps without damage.
HEAVY DUTY LOCKNUT SOCKETS

HEAVY DUTY TOOLS & EQUIPMENT

Tubular Spanner Wrenches

• Six-lug, spanner-type wrenches remove and install rear wheel bearing locknuts. They're built for use with a 3/4" square-drive ratchet or breaker bar.


1945A – 35 mm hex socket with 17 mm sq.
1946A – 38 mm hex socket with 20 mm sq.
1947A – 41 mm hex socket with 21 mm sq.
1948A – 33 mm hex Budd wheel socket.
1949A – 1-1/2" hex Budd with 13/16" square wheel socket.

Tubular Spanner Wrenches

• Metric sizes for Isuzu, Hino, Mitsubishi Fuso, and import trucks.

1929 – Wrench for servicing Chevrolet and GMC 5,200 and 7,200 lb. axles. Socket O.D. is 2-5/8".
1930 – Wrench for servicing Chevrolet and GMC 11,000 to 13,500 lb. axles. Socket O.D. is 2-7/8".
1931 – Wrench for servicing Chevrolet and GMC 15,000 lb. axles; 17,000 lb. 2-spd. axles; 15,000 lb. trailing axles. Socket O.D. is 3-5/8".

1933 – Wrench for servicing Mack Midliners, White Volvo, and other import trucks w/dual rear wheels.

Jimmy Bars

We've forged these bars from chrome alloy steel, then heat-treated them to resist bending and breaking.

7166 – 5/8" diameter, 18" long
7167 – 3/4" diameter, 24" long
7168 – 7/8" diameter, 30" long
7420 – 7/8" diameter, 46" long
7421 – 1" diameter, 54" long

FOR PRODUCT VIDEOS VISIT OTCTOOLS.COM

otctools.com
Kingpin & Brake Anchor Pin Pusher
With this pin remover, hydraulic force and precision tooling replace torch-and-hammer methods for getting the job done quickly and easily. 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. A job that could consume the better part of a day is done in minutes. 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.
- 30-ton capacity.
- 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.

4240 – Complete kingpin and anchor pin pusher set with hydraulics
4241 – King- and anchor-pin pusher with anchor pin adapter without hydraulics
29424 – Anchor pin adapter only

5053
Mack Kingpin Socket
Here is a socket that makes life a little easier for anyone who works on Mack trucks. Designed for 1/2” square drive ratchet or breaker bar, the socket fits the slotted adjusting screw in tapered kingpins used on most Mack front axles (12,000 to 20,000 lbs.).
- Socket O.D. 1.8”

6065
Tie Rod Socket for Medium-Duty Trucks
- Services GM-, Ford-, and Chrysler-built 1-ton 2WD and 4WD trucks.
- Also works on medium-duty Class 2 through Class 6 trucks.
- Use with a 1/2” drive impact wrench to easily remove the tie rod ends from the tie rod.
- Socket I.D. 2-1/8”

5052
Slack Check
This tool enables you to quickly check the brake adjustment on class 7 and 8 trucks and trailers having S-cam brakes. It features a sturdy, four-position handle to provide the leverage you need at the proper angle.
- Works on manual or automatic slack adjusters.

7071
Differential Housing Spreader
Removing and installing differential ring gear assemblies is typically a difficult, time-consuming chore – that is, unless you’re using this differential housing spreader. This device uses mechanical screw power to spread the housing. Allowing easy removal of the differential assembly while eliminating damage often caused by makeshift methods.
- Works on Dana axle models 30 through 70.

5079
Heavy-Duty Power Steering Pump Analyzer
- There is only one way to troubleshootproblem components in a heavy-duty power steering system: a flow and pressure reading meter. OTC’s new No. 5079 measures both: 1 to 10 gallons oil flow and up to 3,000 psi of pressure.
- When connected in line, this universal analyzer will isolate the failed components in just minutes. There is no wasted time as in trial and error methods.
- The set is complete with high pressure hoses, 9/16”-18 standard fittings, and quick disconnect couplers to handle Eaton/ Vickers, TRW, Ross, and Shepard power steering systems.

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.
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.

52038 – Replacement jaw.
207561 – Replacement retaining spring.

Brake Anchor Pin and Bushing Service Set
With the No. 5038, there’s 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.

5080 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.

5085 Hub Oil Seal Puller
- Eliminates bearing and hub damage that can occur when a punch and hammer is used to remove the seal.
- Extra long 28” handle provides leverage, unique pulling head design quickly and easily removes the seal in one piece.
- Built from the highest quality heat-treated steel.
- Removes hub seals on trailer and truck axles, including truck steering axles.

Slack Adjuster Pullers
These pullers will yank even the most corroded slack adjuster off the S-cam— and do so in just a fraction of the time needed with “heat and beat” methods. Plus, they won’t damage components. Both pullers have a rugged forcing screw and cast steel body. Puller No. 5055 fits many manual types, and the No. 5056 works on Rockwell, Haldex, Gunite, and Bendix automatic adjusters.
- 5055 – Manual slack adjuster puller.
- 5056 – Automatic slack adjuster puller.

Air Brake Service Kit
This kit has the tools needed to remove slack adjusters and push-rod clevis pins used in the S-cam brake systems of class 7 and 8 vehicles.
- Works on manual or automatic slack adjusters.
- Includes Nos. 5055 and 5056 slack adjuster pullers, 5057 brake clevis pin press, and a plastic storage case.

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.

Axle-Stud Cone Pliers
Now you can easily remove the tapered cone from studs used on the rear axles of medium and heavy-duty trucks. This specially designed tool gives you the leverage needed to expand the cone and remove it from the stud for axle removal.
**4592**  
**Truck Brake Spring Pliers**  
- Designed to remove and install the brake shoe return springs on medium-duty and heavy-duty drum brakes.  
**4592-1** – Replacement tip.

**7069A**  
**Heavy-Duty Brake Spring Pliers**  
Save time and effort when removing and installing return springs on the brake shoes of heavy-duty vehicles. This specially designed pliers works for hydraulic wedge-type and “S” cam air brakes. Its 26-1/4" length gives you the leverage to do the job more easily, and the huge jaw opening accommodates even the widest brake shoes.  
**202621** – Wedge-type replacement tip  
**204141** – “S” cam replacement tip

**Truck Transmission Bearing Service Set**  
The set is designed to help you remove input shaft bearings and countershaft bearings, in both the main and auxiliary boxes of heavy-duty Fuller transmissions. It will also remove end yokes from 1600/1610–1810 series transmissions. The puller delivers 10 tons of mechanical power—essential force for working on big gearboxes.  
- Works on Fuller twin-countershaft transmissions: 125, 600, 660, 900, 9500, 1100, 12500, 12600, 13000, 14600, 15600, and 8600 series, 910–913, 915, and 9513.  
**7070A** – Truck transmission bearing service set  
**7075** – Transmission output shaft end yoke remover only  
**7207** – Collet only

**7462**  
**Hydraulic Brake Spring Tool**  
Here’s a tool to remove and install the return springs in Lucas Girling hydraulic brake systems. The tool’s machined tip cradles the return spring securely, and its sliding fulcrum gives you all the leverage needed to do the job. A knurled handle helps prevent slipping.  

**5072**  
**Lucas Rear Brake Adjusting Tool**  
If you’re working on a lot of medium-duty hydraulic brake systems, you need our adjusting tool. It enables you to easily adjust Lucas Girling hydraulic brake systems (popular in Ford F700, F800, and F900 series). The tool’s offset design and extra handle length get the job done quickly.  
Similar to Ford 206-D005 (D90T-2588-A)

**5064**  
**Countershaft Pushing Tool**  
Replacing rear countershaft bearing snap rings in Eaton Fuller transmissions. With this tool, you can easily move the countershaft rearward to expose the snap ring.  
- Works on Eaton® Fuller® Roadranger® transmissions (series 2, 5, 6, and 7).

**5065**  
**Countershaft Bearing Driver**  
- Eases the task of installing a main-case countershaft bearing.  
- Works on Eaton® Fuller® 2 Series Roadranger® transmissions.

**5066**  
**Bearing Driver**  
This tool is designed to install the bearing on 2” diameter input shafts used in Eaton® Fuller® Roadranger® transmissions.
**Cummins® Injector Puller Adapter**

This tool is for removing or installing fuel injectors on Cummins L10 and N14 Celect electronically controlled engines. The large slide hammer and pin-type pulling adapter easily—

- **Includes storage case.**
- **Two installing adapters help prevent damage to an injector’s electronic solenoid.**

**Mack Fuel Injector Nozzle Tool**

Here’s a handy tool for removing or installing injector nozzles on Mack E-6 4 VH and E-9 4 VH four-valve engines. The puller threads directly into the nozzle holder, and mechanical screw power does the pulling while a cylindrical guide holds the injector steady.

- **Includes gauge to ensure correct injector depth during installation.**

**Cummins® Fuel Injector Puller Adapter**

When combined with our No. 5028 injector puller or a slide hammer with a 1/2”–20 threaded shaft, this adapter gives you an easy, damage-free way to remove fuel injectors from Cummins B and C series engines.

- **For B and C series engines with 14 mm x 1.5 injector threads.**
- **For B and C series engines with 12 mm x 1.5 injector threads.**
- **Caterpillar Fuel Injector Nozzle Puller**

We’ve designed this nozzle puller to remove pencil-type fuel injector nozzles used in many agricultural and construction engines. The tool applies straight, even pulling power through a bridge assembly and mechanical forcing screw. The job is done quickly—and without damage.

- **Works on Case, Caterpillar, GM, John Deere, Waukesha, and White diesel engines.**

**Diesel Fuel Line Wrenches**

Fuel line nuts are often hard to reach, but these unique 3/8” square-drive tools solve that problem. With them, you can loosen or tighten fuel lines at the fuel injector nozzle or fuel injection pump without damaging the nut.

- **Works on Stanadyne rotary fuel pumps found on International’s 6.9 and 7.3 liter engines.**
- **Works on Bosch KDEL 21 mm injector nozzles used in John Deere engines.**

**Fuel Injector Pump Rotating Tool**

Maximum fuel economy requires precise injector timing. The tool securely grips the front of the fuel injection pump so you can rotate it while fine-tuning the system.

- **Works on Stanadyne rotary fuel pumps found on International’s 6.9 and 7.3 liter engines.**

**Ford Fuel Injector Puller Adapter**

Designed to work with the No. 5028 slide-hammer puller, this adapter removes injectors from Ford 6.6L and 7.8L diesel engines without damage.

- **Slide-hammer threads are 1/2" x 20. Threaded end for injector is 14 mm x 1.5.**

**Injector Sleeve Set**

Here are the ideal tools for removing and installing the injector sleeves of International DT466 engines. The removing tool threads onto a slide hammer with 5/8” – 18 threads to remove sleeves quickly. The installer seats new sleeves equally fast, without damage.

- **Similar to Ford 303-230(T83T-9396-A).**

**Fuel Injector Nozzle Puller**

We’ve designed this puller to remove the pencil-type fuel injector nozzles used in many agricultural and construction engines. The slide hammer action gives the pulling STC injectors.

- **Includes storage case and special adapter for pulling STC injectors.**
4201 Nozzle-Tester Adapter Set

This is our universal adapter set for testing injection nozzles on the most popular automotive, agricultural, and construction diesel engines. The set has 17 adapters that connect to our No. 4200 Nozlrater testing unit.

- Includes handy metal storage box.
- 23622— used on 1989–95 Cummins 5.9L, 1983–94 Ford 6.9L and 7.3L.
- 23623— used on 1996–2000 Cummins 5.9L and Navistar 6.6L and 7.8L.

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<thead>
<tr>
<th>Adapter No.</th>
<th>Description</th>
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<td>36352</td>
<td>Fuel line assembly, 9/16”–18 R.H. thd. with 24° on pipe.</td>
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<tr>
<td>23622</td>
<td>Adapter nut, 12 X 1.5 mm internal R.H. thd. to 1/2”–20 internal L.H. thd.</td>
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<td>Adapter nut, 14 X 1.5 mm internal R.H. thd. to 1/2”–20 internal L.H. thd.</td>
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<td>23624</td>
<td>Adapter nut, 18 X 1.5 mm internal R.H. thd. to 1/2”–20 internal L.H. thd.</td>
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<td>Adapter nut, 9/16”–18 internal R.H. thd. to 1/2”–20 internal L.H. thd.</td>
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<td>23626</td>
<td>Adapter nut, 5/8”–18 internal R.H. thd. to 1/2”–20 internal L.H. thd.</td>
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<td>201912</td>
<td>Adapter nut, 3/4”–16 internal R.H. thd. to 1/2”–20 internal L.H. thd.</td>
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<td>201913</td>
<td>Adapter nut, 9/16”–24 internal R.H. thd. to 1/2”–20 internal L.H. thd.</td>
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<tr>
<td>23617</td>
<td>90° adapter, 9/16”–18 external R.H. thd. (Ermeto 24°) to 9/16”–18 internal R.H. thd. (Ermeto 24°).</td>
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<td>Straight adapter, 9/16”–18 external R.H. thd. (Ermeto 24°) to 1/2”–20 external L.H. thd. (60° seat).</td>
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<td>Banjo adapter, 9/16”–18 external R.H. thd. (24° seat).</td>
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<td>201916</td>
<td>Adapter, 9/16”–18 external R.H. thd. to 9/16”–18 internal R.H. thd. ferrule.</td>
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<td>208369</td>
<td>90° adapter, 9/16”–18 external R.H. thd. to 9/16”–18 internal R.H. thd.</td>
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<td>Straight adapter, 14 X 1.5 mm external R.H. thd. (Ermeto 60°) to 9/16”–18 external R.H. thd. (internal Ermeto 24°).</td>
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</table>

Additional Accessories Available (not included in 4201 Set)

- 44026 Straight adapter, 9/16”–18 R.H. thd. (Ermeto 24°) to Caterpillar 3100 & 3200 series pencil nozzle.
- 201920 Adapter nut, 14 X 1.5 mm external thd. to o”–18 internal R.H. thread, Connects OTC 4200 Nozlrater to other fittings used in the industry.
Nozzle Tester Manifold/Adapter Sets
These adapter sets expand our No. 4200 Nozlrater to troubleshoot a wide range of diesel engine injector nozzles.

4202 – Adapters for servicing Audi, GM, Mercedes-Benz, Nissan/Datsun, Toyota, and VW Rabbit diesel engines.

4203 – Manifold/adapter set. Tests Caterpillar high- and low-pressure, capsule-type nozzles, and high-pressure, pencil-type nozzles on 1100 and 3200 series engines. Complete with Nos. 39870 and 206168 adapters, low-pressure gauge (up to 1,000 PSI), cap plug and mounting brackets.

No. 4202 set includes:

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4200 Nozlrater Diesel Injector Nozzle Tester
Here is the ultimate tool for diagnosing a number of problems that affect diesel fuel injector nozzles. The Nozlrater tester enables you to check for leakage, pop-off pressure, spray pattern, and chatter. This tool will accommodate a wide range of injectors. We also offer adapters so you can troubleshoot nozzles used in popular automotive, agricultural, and construction engines. Nozlrater features a rugged, lightweight reservoir that holds 7/10 of a gallon of fuel. It is equipped with a replaceable 2-micron filter. The large, dual-scale, high-pressure gauge is protected by a guard and includes an indicator needle to record maximum pressure reached. The tester is light enough to be easily carried for field use. Or you can bench-mount it, using the holes in its base.

• Not designed for Cummins or Detroit injectors.

17169 – Replacement filter.
11565 – Gauge.

Specifications
- Overall width: 5-3/4”
- Overall length (includes handle): 26”
- Overall height: 11-1/4”
- Weight (empty): 15 lbs., 10 oz.
- Max. pressure: 5000 PSI (350 bar)
- Max. reservoir cap.: 692 gal. of diesel fuel (160 cu. in.)
- Usable reservoir cap.: 628 gal. of diesel fuel (145 cu. in.)
- Outlet port: For 3/8” tube
- Gauge: Calibrated 0–5000 PSI (350 bar) Has 3-1/2” dial face with maximum reading indicator needle.
- Gauge connection: 1/4” NPT internal
- Stroke of 1/2” dia. piston: 3/4”
- Volume per full stroke: 147 cu. in. (2.4 cc)
- Intake filter: 2 micron

208629 Calibration Fluid
- For use in diesel injection pump testers and injector nozzle testers.
- 1 gallon

6914

6915

6914
- Fits Davco Diesel filter models, 232-233-234.

6915
- Fits Davco Fuel filters 382 & 384.

Davco Diesel Filter Wrenches
- Found on Caterpillar, Cummins, Detroit Diesel, International, Mack, Mercedes-Benz, Volvo and other engines.
- Durable, stainless steel construction.
- Precise, laser-cut angles.
- Opens vent cap also.
- Soft, ergonomic handle.

6914

6915

6916 Duramax Water Sensor Wrench
- Used to remove and install the water sensor on the fuel filter.
- Works on 2001 and Newer 6.6L Duramax Diesel found in Chevrolet and GMC Trucks and Vans.
- 3/8” square drive hole.
Transfer Tankers
- Draining oil from a large displacement engine and getting it to your bulk storage container is a snap with OTC’s Transfer Tankers.
- Used oil is collected in a reservoir, and then rolls smoothly on 4” free-wheeling casters to your storage location.
- Pump moves five gallons a minute through the 8-foot transfer hose to the a 15-gallon reservoir.
- Handle is removable for easy storage.
- Screen attached to reservoir allows assembly to be stored on its side.
- Can also be used for transferring antifreeze.

1821 10-Ton Capacity, Air-operated Automotive Oil Filter Crusher
- Crushes up to four automotive filters (3-7/8” dia. x 9” high) at one time, in approximately 20 seconds. Engineered and built for dependable operation. Covered by OTC Lifetime Marathon Warranty®.
- 100% air operation eliminates electrical connections. Generous size of crushing chamber easily accommodates the largest automotive spin-on filters.
- Includes mounting stand. No wall mounting or time consuming installation required.

1877 25-Ton Capacity Heavy-Duty Oil Filter Crusher
- Handles the big filters (up to 6” dia. and 12-1/2” long) found in trucks, construction equipment, farm implements, etc. May also be used for automotive and light truck filters. It does it all!
- Crushes filters to 1/4 of original size, removing up to 95% of filter’s oil capacity. Automatic cycle feature: load the filter, push a button, and walk away.
- Air/hydraulic pump works on standard shop air (requires 9 CFM at 100 psi). Special valving returns ram automatically at the end of each cycle. No electrical connections needed.
- Built-in floor stand (completely assembled). Whole unit requires just 5 square feet of floor space.
- Covered by OTC Lifetime Marathon Warranty®.

1896 25-Ton Capacity High-Speed Heavy-Duty/ Automotive Oil Filter Crusher
- Automotive and heavy-duty filters up to 15-1/4” long and 6” diameter are crushed in approximately 8 to 16 seconds. Filters are reduced to 20% of original size, with 95% of residual oil removed.
- Automatic cycle feature lets you load the filter, push a button, and walk away.
- Powered by 2 hp electric/hydraulic pump, 230 volt, 20 amp, 60 cycle, single phase, 3,450 rpm. Has a 2-gallon reservoir.
- Built-in, heavy-duty floor stand with leveling pads is designed to accept a 30-gallon drum for oil drainage. Comes assembled. Covered by OTC Lifetime Marathon Warranty®.

Oil Filter Crusher Comparison Chart

| No. | Tonnage    | Pump       | Crushing Time | % Oil Removed | Filter Size        | Stand Dimensions          | Note: Crushing times are approximate; crushing times may vary depending on air pressure available, size of filter, type of filter, etc. |
|-----|------------|------------|---------------|---------------|---------------------|---------------------------|                                                                         |
| 1821| 10-ton     | Air        | 20 Seconds    | 95%           | Chamber: 8” x 8” x 9” H. | 18-1/2” W x 24” D x 63-1/2” H |                                                                         |
| 1877| 25-ton     | Air/Hyd.   | 80 Seconds    | 95%           | 6” Dia. - 12-1/2” Long | 18-1/2” W x 30” D x 74-1/2” H |                                                                         |
| 1896| 25-ton     | Elec./Hyd. | 16 Seconds    | 95%           | 6” Dia. - 15-1/4” Long | 27” W x 30” D x 78” H       |                                                                         |

1577 Low Profile Fluid Receiver
- Designed for receiving waste fluid during a wide range of repair jobs.
- Fluid capacity: 7.5 gallons.
- Constructed of polyethylene plastic for heavy-duty use—yet, only weighs 13 pounds.
- Low profile, only 5” high, it easily slides underpassenger cars.
- Designed with four casters to provide efficient maneuverability.
- Suitable for cooling system repair jobs—can be used for antifreeze.
- Includes splash screen to prevent spillage and splashing.
- Two-year warranty.
HEAVY DUTY TOOLS & EQUIPMENT

BUSHING SERVICE

1740 Hendrickson Basic Tooling Set
This is the basic tooling set for servicing center and end beam bushings. It does not include the hydraulic pump or gauge. If you are already equipped with hydraulics, you can be replacing bushings right away! (Does not include tooling for hanger tube or end plug adapter removal.)

For 340 thru 450 Series Hendrickson Suspensions

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Receiving tube</td>
</tr>
<tr>
<td>B</td>
<td>80-ton cylinder</td>
</tr>
<tr>
<td>C</td>
<td>Jack cart</td>
</tr>
<tr>
<td>D</td>
<td>Press adapter</td>
</tr>
<tr>
<td>E</td>
<td>Clamp plate</td>
</tr>
<tr>
<td>F</td>
<td>Hydraulic hose</td>
</tr>
<tr>
<td>G</td>
<td>Spacer (2)</td>
</tr>
<tr>
<td>H</td>
<td>Receiving adapter</td>
</tr>
<tr>
<td>J</td>
<td>Receiving adapter</td>
</tr>
<tr>
<td>K</td>
<td>Pulling screw</td>
</tr>
</tbody>
</table>

1742 Basic Tooling Set with hydraulics (Hydraulic pump 4031)
The preferred method for servicing center and end beam bushings. You get the complete No. 1740 basic set, plus OTC’s No. 4031 two-stage electric/hydraulic pump with remote hand switch, a No. 9654 pressure gauge, hose half coupler, and 80-ton single-acting ram. (Tooling for hanger tube or end plug adapter removal not included.)

1741 Basic Tooling Set with hydraulics (Hydraulic pump 4062)
The method Hendrickson recommends for suspension service. You get the No. 1740 basic set, plus OTC’s No. 4062 two-stage electric/hydraulic pump with remote hand switch, a No. 9653 pressure gauge, hose half coupler, and 80-ton single-acting ram. (Tooling for hanger tube or end plug adapter removal not included.)

1746 R400 Center Bushing Adapter Set
For R400 series Hendrickson suspensions having center bushing No. 49400 or field service center bushing No. 49600. Used with OTC’s No. 1740 suspension tool set, these adapters let you remove and install the new style R400 center bushings on Hendrickson suspensions. Set includes one No. 310248 removing adapter and one No. 310249 installing adapter.

1745 End Bushing Adapter Puller Set
Set contains everything needed to remove end bushing adapter plugs in 380 thru 440 series suspensions. The plugs have to be removed prior to end bushing replacement.

The set is complete in a handy plastic case. For use with 1740 series tooling sets (order separately).
**Bushing Service**

**Heavy Duty Tools & Equipment**

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**1743 End Bushing Hanger Tube/RU Series Center Bushing Service Set**

Required for servicing RU340 series center bushings. The long puller screw is used to remove the beam cross tube. The 1743 also removes end bushing hanger tube assemblies. For use with 1740 tooling (order separately).

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A: 25417</td>
<td>Nut</td>
</tr>
<tr>
<td>B: 206455</td>
<td>Removing adapter</td>
</tr>
<tr>
<td>C: 302015</td>
<td>Receiving adapter</td>
</tr>
<tr>
<td>D: 302119</td>
<td>Special screw</td>
</tr>
<tr>
<td>E: 302023</td>
<td>Pulling screw</td>
</tr>
</tbody>
</table>

**1744 Bronze Center Bushing Service Set**

Designed for replacing bronze center bushings on 340, 380, 440, and 460 Hendrickson suspensions. Also installs bronze center bushing grease seals. For use with 1740 series tooling set (order separately).

For 340, 380, 440, & 460 series suspensions.

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A: 28536</td>
<td>Installing adapter</td>
</tr>
<tr>
<td>B: 28538</td>
<td>Installing adapter</td>
</tr>
<tr>
<td>C: 302024</td>
<td>Removing/installing adapter</td>
</tr>
<tr>
<td>D: 302025</td>
<td>Removing/installing adapter</td>
</tr>
</tbody>
</table>

**1763 Center and End Bushing Service Set**

This set is required for bushing service on 500 and 700 series heavy-duty suspensions. It is intended for use with a 100-ton capacity shop press. It allows replacement of center and end bushings.

For 500 & 700 series suspensions. Use with a shop press.

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A: 208350</td>
<td>Adapter</td>
</tr>
<tr>
<td>B: 208349</td>
<td>Adapter clamp</td>
</tr>
</tbody>
</table>

**1764 Center and End Bushing Tool Set**

This set is the answer for replacing center and end bushings on Hendrickson 340 and 380/440 series suspensions. The 1764 is for use with a 100-ton or larger hydraulic press. The press plate sits on the press bolster to provide a level, cradle-like surface for the beam to rest on during pressing.

For 340 and 380/440 series suspensions. Use with a shop press.

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A: 51100</td>
<td>Press plate</td>
</tr>
<tr>
<td>B: 302032</td>
<td>Removing adapter</td>
</tr>
<tr>
<td>C: 302031</td>
<td>Installing adapter</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>D: 302030</td>
<td>Removing adapter</td>
</tr>
<tr>
<td>E: 42052</td>
<td>Inst. adapter clamp</td>
</tr>
<tr>
<td>F: 206459</td>
<td>Clamp plate</td>
</tr>
</tbody>
</table>

**1748 End Bushing Adapter Puller Set for Hendrickson Truck Suspensions**

This set contains everything needed to remove end bushing adapter plugs used on 400 series and the larger 460–520 series suspensions. The plugs have to be removed prior to end bushing replacement. The set is complete in a handy plastic case. For use with 1740 series tooling sets (order separately).

For 400 and larger 460–520 series suspensions.

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A: 207025</td>
<td>Spacers (3)</td>
</tr>
<tr>
<td>B: 302592</td>
<td>Screw (7/8”–14)</td>
</tr>
<tr>
<td>C: 302593</td>
<td>Screw (15/16”–12)</td>
</tr>
<tr>
<td>D: 207027</td>
<td>Screw</td>
</tr>
<tr>
<td>E: 207026</td>
<td>Plug gauge</td>
</tr>
<tr>
<td>F: 207030</td>
<td>Hand tap (7/8”–14)</td>
</tr>
<tr>
<td>G: 207031</td>
<td>Hand tap (15/16”–12)</td>
</tr>
<tr>
<td>H: 207039</td>
<td>Nut assembly</td>
</tr>
<tr>
<td>I: 302595</td>
<td>Receiving cup</td>
</tr>
<tr>
<td>J: *221378</td>
<td>Hand tap (M30 x 2)</td>
</tr>
<tr>
<td>K: *313342</td>
<td>Screw (M30 x 2)</td>
</tr>
</tbody>
</table>

For use on 460–520 series adapter plugs (can be purchased separately and used with set No. 1745).
1757 Hendrickson Bar Pin Adapter Set
Servicing bar pin end bushings used on Hendrickson equalizing beam tandem truck suspensions requires the use of special tooling. OTC’s No. 1757 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. The 1757 set, which replaces the No. 1747 set, includes an adapter for installing bushings in older forged beams as well as the fabricated beams introduced in 1999.
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.

1749 Hendrickson Suspension Bar Pin End Bushing Adapter Set
Extend your No. 1741 and No. 1742 bushing service equipment sets. You can now remove and install worn end bushings on the Hendrickson new style bar pin end bushings without removing the equalizing beam from the vehicle. The No. 1749 works in conjunction with OTC’s No. 1741 and No. 1742 80-ton portable service equipment to do the job quickly, using procedures recommended by the manufacturer.

<table>
<thead>
<tr>
<th>Item</th>
<th>No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>314557</td>
<td>Receiving tube</td>
</tr>
<tr>
<td>B</td>
<td>49050</td>
<td>Installer</td>
</tr>
<tr>
<td>C</td>
<td>314556</td>
<td>Receiving adapter</td>
</tr>
<tr>
<td>D</td>
<td>314558</td>
<td>Pin</td>
</tr>
<tr>
<td>E</td>
<td>314559</td>
<td>Pin</td>
</tr>
</tbody>
</table>

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
Master Kit includes 2510A Air/Hydraulic Pump.

Hydraulic Flow Testers
50 and 75 GPM hydraulic oil flow testers accurately measure oil flow, temperature, and pressures against manufacturers’ specifications.
Troubleshoot hydraulic circuits and isolate faulty components on mobile equipment, machine tools, fork lifts, agricultural and industrial tractors, and equipment (open or closed) hydraulic systems with capabilities up to 75 GPM at pressures to 5,000 PSI. Models include features such as an automatic pressure compensating load valve that lets you increase flow without affecting the pressure settings. Temperature flow and RPM readings are displayed in metric or English, and accurate to within plus or minus 2% of full scale. Each tester is protected by a safety disc, which ruptures automatically if pressures exceed the upper limits.
4221 – 75 GPM hydraulic circuit tester. Comes with two pressure gauges and three 9-volt batteries.
4235 – 50 GPM hydraulic circuit tester with single liquid-filled pressure gauge. Includes two adapter unions for 3/4” NPTF fittings.
The OTC New Series of Flow Meters

Unparalleled accuracy in testing hydraulic oil flow circuits for vehicles and machinery. All are protected by a durable steel case. Pressure accuracy is at +/- 1.6% of full scale. Due to their standard burst disc protection system, overpressure conditions prevent spillage of hydraulic fluid. All devices accommodate bi-directional flow and are CE marked as appropriate.

4277
50 gpm Mechanical Hydraulic Flow Meter
- Flow Accuracy to +/- 4% of full scale
- Measures flow from 4 to 54 gpm
- Pressure up to 6000 psi
- Fluid filled analog gage that dampens vibration
- Temperatures up to 230 deg F
- Reads flow in one direction
- No batteries required
- Port is 1-5/16 - 12 UN JIC Male
- 12.25" x 4.125" x 4.875"
- 14.5 lbs

4278
100 gpm Digital Hydraulic Flow Meter
- Flow Accuracy to +/- 1% of indicated value
- Measures flow from 2.5 to 100 gpm
- Pressure up to 6000 psi
- Digital display for flow, temperature, analog for pressure
- Temperatures up to 250 deg F
- Reads flow in both directions, pressure on the high side of valve
- Requires 1 9V battery (included)
- Port is 1-5/16" -12UN #16 SAE ORB
- 9.45" x 7.87" x 7.87"
- 14 lbs

4285
100 gpm Digital Hydraulic Flow Test Kit
- Includes OTC 4292 Digital Readout and OTC 4291 Flow Block with Loading Valve
- Flow Accuracy to +/- 1% of indicated value
- Measures flow from 2.5 to 100 gpm
- Pressure up to 6000 psi
- Digital display for flow, temperature, analog for pressure
- Reads flow in both directions, pressure on the high side of valve
- Require 1 9V battery (included)
- Port is 1-5/16" -12UN #16 SAE ORB
- 12.99” x 12.4” x 10.24”
- 17 lbs
**HYDRAULIC FLOW TESTING PRODUCTS**

**HEAVY DUTY TOOLS & EQUIPMENT**

### 4290
**16 gpm Flow Block**
- Can be used with Digital Flow Meter Readout OTC 4292 included in OTC 4285 and OTC 4294
- Port is 1-1/16" -12UN #16 SAE ORB
- Flow range from 1 to 16 gpm
- Max pressure 6000 psi

### 4291
**Flow Block with Loading Valve**
- Can be used with Digital Flow Meter Readout OTC 4292 included in OTC 4285 and OTC 4294
- Knob allows for pressure loading/restriction
- Port is 1-5/16" - 12UN #16 SAE ORB
- Flow range from 2 to 100 gpm
- Max pressure 6000 psi

### 4292
**Hydraulic Flow Measurement Digital Readout**
- For remote flow measurement by using Flow Blocks OTC 4290 or OTC 4291
- Included in OTC 4285 and OTC 4294
- Digital display for flow, temperature, analog for pressure

### 4294
**Deluxe 100 gpm Hydraulic Flow Measurement Set**
- Comprised of OTC 4290, OTC 4291, OTC 4292, Long Cable and Hose Set and Short Cable
- Case included

### 573295
**Long Cable and Hose Set**
- 20 feet long
- Flow, Temperature & Pressure

### 573296
**Short Cable**
- 6 ½ feet long.
- Flow & Temperature
5078
Air-Assisted 2,000 lb. Capacity High-Lift Transmission Jack... for Trucks & Buses
- Foot-operated air pump enables the operator to effortlessly raise the transmission into place.
- Rugged, heavy wall tubing and oversized base for stability.
- A dedicated adapter for Allison 500- and 600-series automatic transmissions is included.
- Covered by OTC Lifetime Marathon Warranty.

Power Train Lifts
- These lifts will handle engine and transmission assemblies, gas tanks, drive axle assemblies, engine/transaxle assemblies, electric vehicle batteries, and more.
- Scissors-type design allows access to all four sides of a component.
- Two independent adjusting screws tilt the table ±15° side-to-side, or fore and aft. Can be operated manually or with non-impact air wrench.
- 20” x 32” table.
- 8” swivel casters provide enhanced mobility under heavy loads.
- ANSI/PALD compliant.

Specifications:
- Min. height is 41-1/2”
- Max. height is 65”
- Max. forward tilt – 50°
- Max. backward tilt – 38°
- Overall Width – 30-1/4”
- Leg width – 46”

5130
1,000 lb. Capacity DriveMaster™ Driveline Lift
- Low profile of 6” and a Lift range: 24” to 30”
- Pivoting pump handle +/- 15° tilt in each direction
- Includes 553516 Differential Adapter
- ANSI/PALD

Specifications:
- Overall Length – 43”
- Min. Height – 6”
- Overall Width – 30-1/4”
- Max. Height – 30”

5019A
2,200 lb. Capacity Low-Lift Transmission Jack
- Special mounting adapter fits popular Eaton® Fuller® RoadRanger® transmissions used on nearly all Class 7 and 8 heavy-duty trucks.
- Mounting plate angle is adjusted with the turn of a wrench.
- Swiveling pump handle permits ease of operation in restricted working spaces. Fast-acting pump quickly raises lifting arm.
- Includes No. 49611 adapter for Eaton® Fuller® RoadRanger® transmissions (also available separately).

Specifications:
- Min. height is 8-1/4”
- Max. height is 36-1/2”
- Max. forward tilt – 15°
- Max. backward tilt – 20°
- Max. side tilt (either side) – 14°
- Leg width – 46”

Accessories for 5019A / 5078 / 1522A Transmission Jacks and 5130 Driveline Lift
- 558382 – Auxiliary box adapter. Used with all.
- 561949 – Light duty transmission adapters. Used with all.
- 528150 – Eaton® “Lightning” adapter. Used with the No. 5019A transmission jack.
- 543284 – Roadranger transmission Model series FRO-11210C to FRO-1821OC that is equipped with an internal cooler. Used with the No. 5019A transmission jack.
- 49611 – Eaton® Fuller® RoadRanger® auxiliary housing adapter. Bolts directly to the countershaft bearing caps to provide a stable platform for removing and installing the auxiliary housing.
- 314729 – Allison 500/600 series automatic trans-mission adapter used with No. 5078 transmission jack.
- 540231 – Eaton® Fuller® RoadRanger® transmission adapter
- 540232 – Mack transmission mounting brackets. Provides a stable platform for Mack T200 series transmissions.
5015A
Truck Clutch & Flywheel Handler
• Handles 14” & 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 – 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.

5018A
Truck Clutch & 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 Marathon Warranty®.

516159 – Optional flywheel handling attachment
516160 – Optional saddle for 5015A
572913 – Optional saddle for 1590

1520
10-Ton Capacity Lifting System (Includes two lifts)
• Mobile, tandem system is air-operated. This will handle your class 7 and 8 tractor lifting needs. No need to waste time re-blocking and making additional lifts for the clearance you need for under-vehicle service. Roll the system to the vehicle anywhere in the shop or outside on a level surface.
• Unique design provides lift from the tires, not the frame or axle members. Ideal for situations where limited ground clearance or a lack of clear access complicates lifting.
• Single controller operates both sides of the system for a smooth, level lift up to two full feet from the bottom of the tires to the ground. Units can double as support stands when retention pin is inserted.
• Covered by OTC Lifetime Marathon Warranty®.

Specifications:
Capacity – 10 tons (at 200 psi air)
Air pressure – 100 – 200 psi
Lifting range – 0” – 24”
Saddle spread – 19-1/2” – 24” dia. rim sizes
Height – 53-1/4”

1590
10-Ton Air Lift
• Adjustable lifting saddles and an extra-wide stance for extra stability.
• Automatic mechanical safety catch engages in five height positions.
• Two large swivel casters and pneumatic tires make it easy to maneuver, even on loose gravel.
• Covered by OTC Lifetime Marathon Warranty®.

Specifications:
Capacity – 10 tons (at 200 psi air)
Air pressure – 100 – 200 psi
Lifting range – 13” – 52”
Saddle spread – 29” – 41-3/4”

1591B
10-Ton Combination Air Lift & Support Stand
• 40” removable handle and 8’ air hose.
• Covered by OTC Lifetime Marathon Warranty®.

Specifications:
Capacity – 10 tons (at 200 PSI air)
Minimum height (unpinned, no extension) – 18-3/4”
Maximum height (pinned in top hole, with extension) – 50-1/2”
Stroke – 10-7/8”

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

5214
4-Ton Capacity Fork Lift Jack
• 8,000 lb. capacity with a low starting height of 2-5/32”.
• 10,000 lb. capacity (5 tons) when lifting from cylinder saddle – ideal for agriculture and industrial applications.
• Unique shape of primary saddle allows for handling of all lift truck configurations with flat or edged surfaces.
• Features include high-quality seals, chrome-plated internal components, and high-strength steel construction.
• Secondary lifting surface feature.
• Complies with ASME-PALD.
• Lifting Height: 2-5/32 – 17-15/16”.

1590
10-Ton Air Lift
• Adjustable lifting saddles and an extra-wide stance for extra stability.
• Automatic mechanical safety catch engages in five height positions.
• Two large swivel casters and pneumatic tires make it easy to maneuver, even on loose gravel.
• Covered by OTC Lifetime Marathon Warranty®.

Specifications:
Capacity – 10 tons (at 200 psi air)
Air pressure – 100 – 200 psi
Lifting range – 13” – 52”
Saddle spread – 29” – 41-3/4”

572913 – Optional saddle for 1590
Saddle – 4” X 5-1/8”
Height – 67-1/2”
Width – 41”
Length – 36”
Distance from lift arm to floor support – 12-1/2”

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

1590
10-Ton Air Lift
• Adjustable lifting saddles and an extra-wide stance for extra stability.
• Automatic mechanical safety catch engages in five height positions.
• Two large swivel casters and pneumatic tires make it easy to maneuver, even on loose gravel.
• Covered by OTC Lifetime Marathon Warranty®.

Specifications:
Capacity – 10 tons (at 200 psi air)
Air pressure – 100 – 200 psi
Lifting range – 13” – 52”
Saddle spread – 29” – 41-3/4”

572913 – Optional saddle for 1590
Saddle – 4” X 5-1/8”
Height – 67-1/2”
Width – 41”
Length – 36”
Distance from lift arm to floor support – 12-1/2”

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

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

Truck Clutch & Flywheel Handler
• Handles 14” & 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 – 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.

Includes a 2” spline shaft with a 1-1/4” pilot to aid in alignment. The system is air-operated and handles class 7 and 8 tractor lifting needs. It provides easy maneuverability, with a lifting range of 0” to 24” and a saddle spread of 19-1/2” to 24” диаметра. The maximum height is 53-1/4”. The system is covered by the OTC Lifetime Marathon Warranty®.

For the 10-Ton Air Lift (model 1590), it has an adjustable lifting saddle and an extra-wide stance for extra stability. It has automatic mechanical safety catch engages in five height positions. Two large swivel casters and pneumatic tires make it easy to maneuver, even on loose gravel. It is covered by the OTC Lifetime Marathon Warranty®.

The 4-Ton Capacity Fork Lift Jack (model 5214) has a 10,000 lb. capacity (5 tons) when lifting from cylinder saddle, ideal for agriculture and industrial applications. It features high-quality seals, chrome-plated internal components, and high-strength steel construction. It also offers a secondary lifting surface feature and complies with ASME-PALD. The lifting range is 2-5/32” to 17-15/16”.

The 4-Ton Capacity Fork Lift Jack (model 1590) has a 10,000 lb. capacity (5 tons) when lifting from cylinder saddle, ideal for agriculture and industrial applications. It offers similar features as the 5214 model, including high-quality seals, chrome-plated internal components, and high-strength steel construction. It also complies with ASME-PALD and offers a secondary lifting surface feature. The lifting range is 2-5/32” to 17-15/16”.

The 10-Ton Combination Air Lift & Support Stand (model 1591B) offers a 40” removable handle and an 8’ air hose. It is covered by the OTC Lifetime Marathon Warranty®. The specifications include a capacity of 10 tons at 200 PSI air, a lifting range from 18-3/4” to 50-1/2”, and a stroke of 10-7/8”.

The 4-Ton Capacity Fork Lift Jack (model 5214) is designed for heavy-duty applications, providing a strong and sturdy platform for lifting tasks. It is ideal for use in agricultural and industrial environments, where durability and reliability are crucial.

Overall, the tools and equipment featured in this document are designed to meet the needs of professionals working with heavy-duty mechanisms, offering a range of options from simple manual tools to high-tech air-operated systems. Whether for clutch service, flywheel handling, or general lifting tasks, there is a tool to suit every requirement.
**3-Stage Under-Axle Jack**

Three-stage lift capacity 20T, 35T, and 65-tons. Ideal for lifting loaded trailers, buses, and other Class 7 & 8 vehicles.

- Piston and cylinders are made from chromium molybdenum vanadium steel for durability and then liquid nitrided to prevent rust and seizing.
- Features a high load-approach speed.
- Air-driven cylinder with pressure control knob for maximum user safety.
- 4-position handle: horizontal, 45 degrees, vertical, or collapsed.
- 7-inch minimum height for low clearance vehicles.
- Comes complete with a 3-15/16 in. (100 mm) lifting extension.
- Complies with ASME / PALD test requirements.

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**22-Ton Capacity Under-Axle Jack**

- Improvements include advanced seal ring material and one-piece air piston air pump.
- Long 49-1/2” T-handle lets you easily position jack under vehicles with long overhangs.
- One pull of the handle activates the self-retracting 22-ton capacity ram without having to crawl underneath the vehicle.
- Jack has large rubber-tired wheels.
- Lifting range:
  - 3/4” saddle: Max. height 17-3/4”
  - 1-15/16” saddle: Max. height 18-15/16”
  - 3-7/8” saddle: Max. height 20-5/8”
- Cylinder stroke: 4-1/2”
- PSI range: 90–145.

**5106 – 6-Ton Air/Hydraulic Service Jack**

Lifting range 4-3/4” to 23-1/4”, reach 87”, 45” handle.

**5110 – 10-Ton Air/Hydraulic Service Jack**

Lifting range 6-3/4” to 26-7/8”, reach 93”, 47” handle.

---

**Specifications**

<table>
<thead>
<tr>
<th></th>
<th>5106</th>
<th>5110</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Capacity</strong></td>
<td>6-ton</td>
<td>10-ton</td>
</tr>
<tr>
<td><strong>Air pressure</strong></td>
<td>90–175 PSI</td>
<td>90–175 PSI</td>
</tr>
<tr>
<td><strong>Lifting range</strong></td>
<td>4-3/4” to 23-1/4”</td>
<td>6-3/4” to 26-7/8”</td>
</tr>
<tr>
<td><strong>Saddle dia.</strong></td>
<td>7”</td>
<td>7-3/8”</td>
</tr>
<tr>
<td><strong>Overall reach</strong></td>
<td>87”</td>
<td>93”</td>
</tr>
<tr>
<td><strong>Frame height</strong></td>
<td>8”</td>
<td>10”</td>
</tr>
<tr>
<td><strong>Handle length</strong></td>
<td>45”</td>
<td>47”</td>
</tr>
</tbody>
</table>
5-Ton and 10-Ton Service Jacks
• A built-in safety overload prevents using the jack beyond its rated capacity.
• Convenient foot pedal speeds the lifting operation.
  Handle lock and release control are located on top of the handle. Handle can be locked into any position from vertical to horizontal.
• Both models have a spring-loaded 40” handle.

**1505B – 5-ton service jack**
**1510B – 10-ton service jack**

20-Ton Capacity Service Jack
• Low-profile stance and extended height add to versatility.
• Wheels and swivel casters feature internal bearings.
• Either the foot pedal or jack handle may be used for pumping action. Counter-balanced, spring-assisted handle has a three-position lock.

**1512 – 20-ton service jack**

6- & 10-Ton Heavy-Duty Service Jack
• Ergonomic handle for user comfort and easy mobility.
• Foot pedal for quick approach of the lifting saddle to load. Built-in tray for fasteners and tools.
• CE marked – ASME/PALD tested.
• Covered by OTC Lifetime Marathon Warranty®.

**5206 – 6-ton HD service jack.** Lifting range 6-11/16” to 22-13/16”.
**5210 – 10-ton HD service jack.** Lifting range 6-11/16” to 23-13/16”.

<table>
<thead>
<tr>
<th>Specifications</th>
<th>5206</th>
<th>5210</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity</td>
<td>6-ton</td>
<td>10-ton</td>
</tr>
<tr>
<td>Min. Height</td>
<td>6-11/16”</td>
<td>6-11/16”</td>
</tr>
<tr>
<td>Max. Height</td>
<td>22-13/16”</td>
<td>23-13/16”</td>
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<tr>
<td>Overall length</td>
<td>87”</td>
<td>99-1/2”</td>
</tr>
<tr>
<td>Overall width</td>
<td>16-5/8”</td>
<td>16-5/8”</td>
</tr>
<tr>
<td>Handle length</td>
<td>39-3/8”</td>
<td>39-3/8”</td>
</tr>
</tbody>
</table>

5-Ton and 10-Ton Air/Hydraulic Service Jacks
• Bring the versatility of air-assist operation to your shop’s lifting tasks.
• Huge front wheels mounted in bearings provide trouble-free service life. Rugged steel frame members.
• Rear swivel casters make spotting the jack easy. Spring-loaded handle may be locked in three positions, from horizontal to vertical.

**1507B – 5-ton air/hydraulic service jack**
**1511B – 10-ton air/hydraulic service jack**

<table>
<thead>
<tr>
<th>Specifications</th>
<th>1507B</th>
<th>1511B</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity</td>
<td>5 ton</td>
<td>10 ton</td>
</tr>
<tr>
<td>Air pressure</td>
<td>80–120 PSI</td>
<td>80–120 PSI</td>
</tr>
<tr>
<td>Lifting range</td>
<td>5-7/8” to 22”</td>
<td>6-3/8” to 22”</td>
</tr>
<tr>
<td>Saddle dia.</td>
<td>6-5/8”</td>
<td>5-3/4”</td>
</tr>
<tr>
<td>Overall reach</td>
<td>87”</td>
<td>90”</td>
</tr>
<tr>
<td>Frame height</td>
<td>8”</td>
<td>10”</td>
</tr>
<tr>
<td>Handle length</td>
<td>40”</td>
<td>45”</td>
</tr>
</tbody>
</table>
6000 lb. Revolver® Diesel Engine Stand
- 96-to-1 ratio worm and gear set rotates components 360°; handle locks in any position.
- Integral 12-ton jack raises the work to provide the swing radius needed for clearance. Two front wheels and two rear casters provide mobility.
- Universal adapter assembly permits use with a wide variety of mounting plates.
- Covered by OTC Lifetime Marathon Warranty®.

**1750A – Revolver diesel engine stand with No. 205061 universal engine adapter assembly.**

**1750 – Engine stand without universal engine adapter assembly.**

**Revolver® Engine Adapter Plates**
You can order only those plates you need for the engines you work on. The universal adapter assembly is required for mounting all plates to the stand.

**205061 Universal Adapter Plate Assembly. Included with 1750A engine stand.** (Must be used with all plates below.)

**J-29109-J Adapter plate to accommodate adapters for Kent-Moore engine stand.**

**Detroit Diesel**
- **205058** For Detroit engines: 53 series in-line 6 cyl., 6V & 8V; 71 series in-line 6 cyl., 6V, 8V, & 12V; 92 series 6V & 8V; 8.2 liter V-8.
- **52871** For coach 6V and 8V series 71 Detroit Diesel.
- **218504** For Detroit series 60 in-line 6-cylinder engines.

**Detroit Allison**
- **208160** Allison transmission mounting plate for transmission Nos. AT500, MT600, MT 6-speed, VM, VS, and V730.
- **61373** Allison transmission adapter plate for transmission series HT-750, CLBT, HT-740D, CR/DR, and HT-750C.

**Cummins**
- **205059** For Cummins engines: 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.
- **61405** For Cummins L-10 and M11 series engines. Plate attaches to the left side of engine for complete tear down.
- **218098** For Cummins "B" series 5.9L in-line 6 cyl. engines.
- **218099** For Cummins "C" series 8.3L in-line 6 cylinder engines.

**Caterpillar**
- **205060** For Caterpillar engines: Nos. 1673, 1674, 1693, 3306, & 3406 in-line 6 cyl.; Nos. 1100, 3208, and 3408 V8.
- **217687** For Caterpillar 3114, 3116, and 3176 in-line 6 cylinder and C12 engines.

**Mack**
- **205101** For Mack engines: All 672, 673, 675, & 711 series in-line 6 cyl.
- **206629** For Mack engines: V8 1000, E6, & E7 in-line 6 cyl.
- **528858** For Mack 865, and 868.

**International Harvester**
- **206386** For International Harvester engines: DT-466, DT-360, DT408, and 530 in-line 6 cylinder; DV-550, MV-444, V304, V345, V392, 4-152, 4-196, 4-194, 9.0 liter and T444E V8; and Ford 6.9L, and 7.3L DIT.
- **528856** For IH300 & 400 Series.
- **528868** For International VT365.
- **528859** For mounting Ford 6.6L/7.8L engines.
- **206386** For Ford 7.3 engines.

**Volvo**
- **528853** For Volvo TD67 and TD71 engines.

**John Deere**
- **528859** For JD 400 and 500 engines.
- **528861** For JD Poweredge 4.5L & 6.8L.
- **528863** For JD 8995 V6, must be used with 528859.

*NOTE: Must be used with 205061 univ. adpt. plate assembly. Each engine mounting plate includes all the necessary hardware and an engine application chart.*
**1735B**  
2,000 lb. Capacity Heavy-Duty Motor-Rotor® Repair Stand  
- Handles a wide variety of engines, transmissions, torque converters, and rear axles from trucks, tractors, and construction machinery.  
- The 50:1 ratio gearbox allows full rotation of mounted unit with just a turn of the crank and locks in position. Easily maneuvered when loaded.  
- To ensure engine stability in all positions, this repair stand is equipped with a positive-crank handle locking mechanism.  
- Twin-post design, featuring laterally adjustable, 3 position outboard support; provides an extremely stable work-holding unit.  
- Locking rear wheels anchor stand in position.  
- Covered by OTC Lifetime Marathon Warranty®.  

**206391** – 6.0L and 6.4L Ford engine adapters. (Works with both the OTC 1735, 1735A and 1735B.)  

**206392** – Ford 6.7L Engine Adapter for 1735B HD Rotor Repair Stand.

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**3- and 6-Ton Capacity Ratcheting Jack Stands**  
- Jack stands feature a formed steel frame for strength and long life, and rolled base edges that resist sinking into soft ground or asphalt.  
- Recessed column saddle for acceptance of vehicle panel rail (pinch weld).  
- Dual purpose handle serves as carrying handle and column release.  
- Investment cast rack bar for long life strength.  
- Covered by OTC Lifetime Marathon Warranty®.  

**1736A** – Pair of 6-Ton Jack Stands. Height Range of 15-1/2” to 24-1/2”.  

**1733A** – Pair of 3-Ton Jack Stands. Height Range of 12-1/2” to 18-1/2”.  

**OFC Stinger 3-Ton, 6-Ton and 12-Ton Jack Stands**  
- Formed and welded steel base for strength; self-locking ratchet handle cannot be released under load. Durable baked enamel finish resists corrosion.  
- Stands conform to ANSI PALD load rating standard; factory tested before shipment.  
- Covered by OTC Lifetime Marathon Warranty®.  

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**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 Marathon 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 Marathon Warranty®.  
- Note: Recommend use in pairs.

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**543751** – Extension Tube Height range of 19” to 29-1/2”  
**543752** – Extension Tube Height range of 33-3/4” to 44-1-4”

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**1780**  
22-Ton Capacity Jack Stands  
- Height range is 13-7/8” to 19-7/8”.  
- Saddle size 3” x 3-3/4”.  
- Pin-style (non-ratcheting) three positions, 3” intervals.  
- Reinforced collar to meet newest ANSI PALD test standards.  
- 11” flat base prevents sinking into the surface.
BOTTLE JACKS
HEAVY DUTY TOOLS & EQUIPMENT

OTC 9300 STINGER SERIES BOTTLE JACKS GIVE YOU LIFTING RANGE FROM 2 TO 50 TONS.

• Forged base and cylinder to ensure strength and eliminate leaks.
• Chromed pump piston and ram for additional rust resistance.
• In-line design for increased ease of use in positioning and operation.
• Includes free seal kit with each unit to extend product life.
• ANSI/PALD compliant.

OTC 9300 Stinger Series Bottle Jacks

<table>
<thead>
<tr>
<th>Cap. (tons)</th>
<th>Stroke</th>
<th>OTC No.</th>
<th>Retracted Height min.</th>
<th>Length of Screw Extension</th>
<th>Height with Screw Extension</th>
<th>Pump Strokes to Extend Piston One Inch</th>
<th>Saddle Dia.</th>
<th>Base Size</th>
<th>Carry Handle</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>4-5/8&quot;</td>
<td>9302</td>
<td>7&quot;</td>
<td>2-3/8&quot;</td>
<td>14&quot;</td>
<td>8</td>
<td>13/16&quot;</td>
<td>4-5/16&quot; x 2-9/16&quot;</td>
<td>No</td>
<td>5 lbs.</td>
</tr>
<tr>
<td>3</td>
<td>4-1/2&quot;</td>
<td>9303</td>
<td>7-1/2&quot;</td>
<td>2-9/16&quot;</td>
<td>14-9/16&quot;</td>
<td>13</td>
<td>15/16&quot;</td>
<td>4-9/16&quot; x 2 7/8&quot;</td>
<td>No</td>
<td>6.2 lbs.</td>
</tr>
<tr>
<td>5</td>
<td>4-13/16&quot;</td>
<td>9305</td>
<td>7-13/16&quot;</td>
<td>3&quot;</td>
<td>15-5/8&quot;</td>
<td>20</td>
<td>1-1/8&quot;</td>
<td>5-3/16&quot; x 3&quot;</td>
<td>No</td>
<td>8.4 lbs.</td>
</tr>
<tr>
<td>8</td>
<td>4-15/16&quot;</td>
<td>9308</td>
<td>7-13/16&quot;</td>
<td>3&quot;</td>
<td>15-3/4&quot;</td>
<td>21</td>
<td>1-3/8&quot;</td>
<td>6 x 3-9/16&quot;</td>
<td>No</td>
<td>12.6 lbs.</td>
</tr>
<tr>
<td>12</td>
<td>6&quot;</td>
<td>9312</td>
<td>9-3/8&quot;</td>
<td>3-1/4&quot;</td>
<td>18-5/8&quot;</td>
<td>21</td>
<td>1-3/4&quot;</td>
<td>6-9/16&quot; x 4-3/16&quot;</td>
<td>Yes</td>
<td>17.4 lbs.</td>
</tr>
<tr>
<td>12</td>
<td>3-11/16&quot;</td>
<td>9314</td>
<td>7-1/16&quot;</td>
<td>2-7/8&quot;</td>
<td>13-5/8&quot;</td>
<td>21</td>
<td>1-3/4&quot;</td>
<td>6-9/16&quot; x 4-3/16&quot;</td>
<td>Yes</td>
<td>15.1 lbs.</td>
</tr>
<tr>
<td>20</td>
<td>6-7/8&quot;</td>
<td>9320</td>
<td>10-5/8&quot;</td>
<td>2-15/16&quot;</td>
<td>20-7/16&quot;</td>
<td>28</td>
<td>2-1/8&quot;</td>
<td>7 x 4-11/16&quot;</td>
<td>Yes</td>
<td>27.2 lbs.</td>
</tr>
<tr>
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<td>9322</td>
<td>7-3/16&quot;</td>
<td>1-11/16&quot;</td>
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<td>9330</td>
<td>11&quot;</td>
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<td>17-5/8&quot;</td>
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<td>2-1/2&quot;</td>
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<td>50</td>
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<td>9350</td>
<td>11-3/4&quot;</td>
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<td>2-1/2&quot;</td>
<td>8-11/16&quot; x 7&quot;</td>
<td>Yes</td>
<td>76.5 lbs.</td>
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</tbody>
</table>

Air/Hydraulic Bottle Jacks
• Operate manually or pneumatically. 100 PSI minimum air pressure required.

4313C – 12-ton air-assist bottle jack; lift range 9-1/2" to 18-3/8", stroke 6-1/8"
4321C – 20-ton air-assist bottle jack; lift range 9-7/16" to 17-11/16", stroke 5-7/8"

1734A Heavy-Duty Wheel Step
• Tire-mounted wheel step provides quick, easy access to under-hood components.
• Fits heavy-duty vehicles (Class 7/8).
• Installs in seconds; adjusts to fit 22-1/2" to 24" wheel sizes and folds for easy storage.
• 300 pound capacity.
• Non-skid platform surface.
20-Ton Truck Ramps

- Long, retractable T-handle enhances mobility.
- Non-skid rubber matting prevents slippage during use.
- Durable, heavy-duty rubber wheels.
- Capacity per pair is 20 tons
- Covered by OTC Lifetime Marathon Warranty®.

<table>
<thead>
<tr>
<th>Model</th>
<th>Frame Height</th>
<th>Frame Width</th>
<th>Frame Length</th>
<th>Wheel Diameter</th>
<th>Handle Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>5268</td>
<td>9-1/4&quot; (23.5 cm)</td>
<td>13-1/2&quot; (34.29 cm)</td>
<td>47&quot; (119.38 cm)</td>
<td>5&quot; (12.7 cm)</td>
<td>33&quot; (83.82 cm)</td>
</tr>
<tr>
<td>5269</td>
<td>9-1/4&quot; (23.5 cm)</td>
<td>18-1/4&quot; (46.36 cm)</td>
<td>47&quot; (119.38 cm)</td>
<td>5&quot; (12.7 cm)</td>
<td>33&quot; (83.82 cm)</td>
</tr>
</tbody>
</table>

Brake Drum Dollies

- Remove, install, and transport truck brake drums without physically having to lift them.
- Works on 15" and 16-1/2" drums found on most Class 7 and 8 tractor and trailer brake systems.
- Heavy-gauge steel construction, ten-inch pneumatic tires, and adjustable handle.
- Covered by OTC Lifetime Marathon Warranty®.

1543
Brake Drum Dolly

- Remove, installs, and transports truck brake drums without physically having to lift them.
- Works on all 15" and 16-1/2" drums found on most class 7 and 8 tractor and trailer brake systems.
- 6" height adjustment aids installation.
- Heavy-gauge steel construction, 8" tires, and 36" handle.

Easy Lever Wheel Dollies

- Gives technicians the leverage they need to easily remove or install truck tire-and-wheel assemblies.
- Heavy-duty construction capable of toting 300 pounds.
- Onboard rollers that make stud-hole alignment a snap.
- Spring-loaded kickstand for handy parking.
- Two models that, together, can accommodate tire diameters from 24 to 48 inches.
- Rugged tubular steel construction.

5096A – Heavy-duty Easy Lever wheel dolly
With a width of 26", this dolly handles tire diameters of 36" to 48".

5095A – Easy Lever wheel dolly
With a width of 22", this dolly handles tire diameters of 24" to 36".

5090
Back Buddy™ II

- Remove, transport, service, and install heavy truck brake drums and hub assemblies.
- Fast-motion ratcheting jack with 14" of vertical lift.
- Pneumatic rear tires.
- Tilting mechanism to achieve the exact angle necessary for precise reassembly.
- Fold-down handle for open access to the work area.
- Onboard lube tray and toolbox.
- An array of optional adapter sets capable of grabbing almost any truck hub assembly or brake drum, inboard or outboard.

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° ensures easy alignment.
- Features four swivel casters, two locking, for enhanced mobility.
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.

- 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.
- 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.

The Tire Spoon Rack has been designed to hold OTC Tire Spoons by the handle upset. It also holds tools with 3/4" or smaller diameter shafts. It can be hung on end of tool box or mounted to the wall via holes on 16" center.

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

- 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.
- 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.
- 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.
<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>5716</td>
<td>HD Sliding Tire Spoon</td>
<td>38” extends to 52”, 3/4” diameter. Inner slide bar provides hammer action</td>
</tr>
<tr>
<td>5716G</td>
<td>HD Sliding Tire Spoon with Grip Grooves</td>
<td>38” extends to 52”, 3/4” diameter. Inner slide bar provides hammer action</td>
</tr>
<tr>
<td>5720</td>
<td>Sliding Dual Tire Spoon</td>
<td>35” and 3/4” diameter. Unique configuration provides mount and demount heads</td>
</tr>
<tr>
<td>5724</td>
<td>Extending Tire Spoon</td>
<td>22” extends to 34”, 3/4” diameter. Twist-lock feature allows the spoon to</td>
</tr>
<tr>
<td>5734-18</td>
<td>Tire Machine Spoon, Double End</td>
<td>18” Has a curved end and a bent tip end for starting the bead on a tire</td>
</tr>
<tr>
<td>5734-18G</td>
<td>Tire Machine Spoon, Double End with Grip Grooves</td>
<td>18” Has a curved end and a bent tip end for starting the bead on a tire</td>
</tr>
<tr>
<td>5735-18</td>
<td>Double End Curved &amp; Flat Tip Curved Tire Spoon</td>
<td>18” Double end curved tire spoon. Handle knob enables easier spoon pick up.</td>
</tr>
<tr>
<td>5735-18G</td>
<td>Double End Tire Spoon with Grip Grooves</td>
<td>18” Double end curved tire spoon. Handle knob enables easier spoon pick up.</td>
</tr>
<tr>
<td>5735-35</td>
<td>Double End Curved &amp; Flat Tip Curved Tire Spoon</td>
<td>35” Double end curved tire spoon. Handle knob enables easier spoon pick up.</td>
</tr>
<tr>
<td>5735-35G</td>
<td>Double End Tire Spoon with Grip Grooves</td>
<td>35” Double end curved tire spoon. Handle knob enables easier spoon pick up.</td>
</tr>
<tr>
<td>5735-42</td>
<td>Double End Curved &amp; Flat Tip Curved Tire Spoon</td>
<td>42” Same great design as the original double end mount/demount tire spoon, but in a 42” length for added leverage. 3/4” diameter.</td>
</tr>
<tr>
<td>5735-42K</td>
<td>Double End Tire Spoon with Kick Start</td>
<td>42” Includes kick loops to allow the spoon to be forced into tight bead locations with the help of foot pressure. 3/4” diameter.</td>
</tr>
<tr>
<td>5736-18</td>
<td>Curved Tire Spoon</td>
<td>18” Handle knob enables easier spoon pick up. 3/4” diameter.</td>
</tr>
<tr>
<td>5736-18G</td>
<td>Curved Tire Spoon with Grip Grooves</td>
<td>18” Handle knob enables easier spoon pick up. 3/4” diameter.</td>
</tr>
<tr>
<td>5736-24</td>
<td>Curved Tire Spoon</td>
<td>24” Handle knob enables easier spoon pick up. 3/4” diameter.</td>
</tr>
<tr>
<td>5736-24G</td>
<td>Curved Tire Spoon with Grip Grooves</td>
<td>24” Handle knob enables easier spoon pick up. 3/4” diameter.</td>
</tr>
<tr>
<td>5736-30</td>
<td>Curved Tire Spoon</td>
<td>30” Handle knob enables easier spoon pick up. 3/4” diameter.</td>
</tr>
<tr>
<td>5737-30</td>
<td>Flat Tip Curved Tire Spoon</td>
<td>30” Handle knob enables easier spoon pick up. 3/4” diameter.</td>
</tr>
<tr>
<td>5739-24</td>
<td>Curved Shank Tire Spoon</td>
<td>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.</td>
</tr>
<tr>
<td>5739-30</td>
<td>Curved Shank Tire Spoon</td>
<td>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.</td>
</tr>
</tbody>
</table>
HEAVY DUTY TOOLS & EQUIPMENT

5745 Hands Free Air Chuck
• Perfect for applications where the tire valve is facing the floor while seating the tire bead, such as most dual wheel configurations.
• Hooks on the top bead seat of the wheel and the spring pressure holds the chuck on the tire valve pointing to the opposite side.
• Ball valve included to allow inflation only when needed.

5750 Wheel Tipper
• This ergonomic wheel tipper allows the technician to flip a wheel over during tire service, or just tip up a wheel and tire to move.
• Allows the technician to easily and safely service wheels by eliminating the need to bend over to lift, dramatically reducing the risk of back injury.
• Works on steel or aluminum wheels, inflated or deflated.

5747 Tire Valve Stem Punch Kit
• Quickly and easily remove old valve stems from a wheel with a swing of a hammer.
• Simply place the punch tip on the inside of the valve stem and strike the punch to force the old valve stem out of the wheel.
• The unique punch tip is heat treated and shaped to remove all types of valve stems, including 10mm nickel plated, steel, and brass valve stems.
• Includes hand protecting grip with interchangeable 5” and 8” punch adapters for car and truck wheel applications.

5047 Lug Nut Cap Remover
Chrome-plated lug nut caps found on many heavy-duty trucks and trailers can be tough to remove, and they’re easily damaged if you pry them off or use an ordinary cap remover. This tool avoids those problems. It is ruggedly built and features specially coated jaws that won’t slip off the caps, no matter how much squeezing force you apply.
• Features cushioned handles.

5789ID-520 – 5 lb. head, handle length 20”, total weight 7.3 lbs.
5789ID-1032 – 10 lb. head, handle length 32”, total weight 14.4 lbs.

5739 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.

5728 Tire Bead Breaker
• Unique head is designed to provide a large striking area for all angles, while providing the mass needed to break the tire bead.
• This design puts the force exactly where it’s required and eliminates the possibility of accidentally hitting the wheel, problems typically encountered while using larger swing hammer style bead breakers.

5752 Wheel Loader & Tipper
• The new ergonomic wheel loader and tipper integrates two very helpful tools into one.
• The wheel loader feature allows a technician to lift various sizes and types of wheels and tires in and out of a truck bed.
• The wheel tipper feature allows the technician to flip a wheel over during tire service, or just tip up a wheel and tire to move.
• Both of these features allow the technician to easily and safely service and lift wheels by eliminating the need to bend over to lift, dramatically reducing the risk of back injury.
• Works on steel or aluminum wheels, inflated or deflated.

5747 Hands Free Air Chuck
• Perfect for applications where the tire valve is facing the floor while seating the tire bead, such as most dual wheel configurations.
• Hooks on the top bead seat of the wheel and the spring pressure holds the chuck on the tire valve pointing to the opposite side.
• Ball valve included to allow inflation only when needed.

5047 Lug Nut Cap Remover
Chrome-plated lug nut caps found on many heavy-duty trucks and trailers can be tough to remove, and they’re easily damaged if you pry them off or use an ordinary cap remover. This tool avoids those problems. It is ruggedly built and features specially coated jaws that won’t slip off the caps, no matter how much squeezing force you apply.
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5728 Tire Bead Breaker
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5047 Lug Nut Cap Remover
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• Features cushioned handles.
5082
Wheel Tipper
This heavy-duty wheel tipper makes handling those hard-to-manage truck tires easy. To use the wheel tipper, simply deflate the tire and break the bead, then hook the wheel tipper to the rim of the wheel. The wheel tipper makes an otherwise tough task effortless.
- Designed for both aluminum and steel wheels won’t damage 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.

Accutorq™ Clikker Torque Wrenches
These precision torque wrenches make a loud click when you’ve reached the torque setting. They feature ratcheting heads, all-metal construction, permanently roll-marked scales, and soft-grip rubber handles that enable you to firmly grasp the wrench for right- or left-hand torquing.
- Includes molded plastic case.
- One-year warranty.

<table>
<thead>
<tr>
<th>Tool No.</th>
<th>Torque Range</th>
<th>Graduations</th>
<th>Square Drive</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>7378</td>
<td>50–250 in. lbs. (68–339 N•m)</td>
<td>2 ft. lbs.</td>
<td>1/2&quot;</td>
<td>19.3/8&quot;</td>
</tr>
<tr>
<td>7379</td>
<td>100–600 in. lbs. (136–813 N•m)</td>
<td>10 ft. lbs.</td>
<td>3/4&quot;</td>
<td>42.1/4&quot;</td>
</tr>
</tbody>
</table>

7367
Torque Multiplier, 1000 lb-ft
- Drive Input: 1/2", 365 lb-ft Max
- Drive Output: 3/4", 1100 lb-ft Max
- Head Width: 2.9", 3.3:1 Ratio
- Reaction Bar: 13-3/4"
- Includes reaction foot.
- Note: frictional gear loss = 6%

7368
Torque Multiplier, 2000 lb-ft
- Drive Input: 3/4", 730 lb-ft Max
- Drive Output: 1", 2200 lb-ft Max
- Head Width: 3.6", 3.3:1 Ratio
- Reaction Bar: 15-5/8"
- Includes reaction foot.
- Note: frictional gear loss = 6%
2,200 and 4,400 lb. Capacity Heavy-Duty Floor Cranes

- To conserve valuable floor space, crane folds into a compact package for storage.
- For "close-in" work, leg spread adjusts to clear vehicle’s wheels, telescoping boom extension gives additional reach. Roller bearing mounted wheels and steering dolly provide ease of mobility.
- A two-speed hydraulic hand pump provides fast boom travel; descent of boom is under precise control of operator.
- Covered by OTC Lifetime Marathon Warranty®.

**1819 – 2,200 lb. Capacity Crane** Has hydraulic hand pump and 16-7/8” lifting chain.

**39610 – 1/4" steel chain grade 43, 18-3/8" long, 2,200 lb. capacity** Has safety hook on end. Use with 1819.

**1820 – 4,400 lb. Capacity Crane** Has hydraulic hand pump and 18-3/8” lifting chain.

**39611 – 5/16" steel chain grade 70, 19-3/4" long, 4,400 lb. capacity** Has safety hook on end. Use with 1820.

### Specifications

<table>
<thead>
<tr>
<th>Description</th>
<th>1819</th>
<th>1820</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cap., boom retracted</td>
<td>2,200</td>
<td>4,400</td>
</tr>
<tr>
<td>Cap., boom extended</td>
<td>1,650</td>
<td>3,300</td>
</tr>
<tr>
<td>A. Max. boom height, boom retracted</td>
<td>107”</td>
<td>111”</td>
</tr>
<tr>
<td>B. Max. boom height, boom extended</td>
<td>117”</td>
<td>122”</td>
</tr>
<tr>
<td>C. Overall height, boom horizontal</td>
<td>80”</td>
<td>82”</td>
</tr>
<tr>
<td>D. Overall length</td>
<td>83”</td>
<td>89”</td>
</tr>
<tr>
<td>E. Minimum throat width</td>
<td>24”</td>
<td>25”</td>
</tr>
<tr>
<td>F. Inside leg length</td>
<td>54”</td>
<td>57-1/2”</td>
</tr>
<tr>
<td>G. Effective boom reach (retracted)</td>
<td>33”</td>
<td>35-1/2”</td>
</tr>
<tr>
<td>H. Effective boom reach (extended)</td>
<td>48”</td>
<td>50-1/2”</td>
</tr>
<tr>
<td>J. Inside leg width (3-position)</td>
<td>24”, 36”, 26”, 40”, 52”, 72”</td>
<td>48”</td>
</tr>
<tr>
<td>K. Leg height</td>
<td>8”</td>
<td>9-1/2”</td>
</tr>
<tr>
<td>L. Dolly wheel diameter</td>
<td>5”</td>
<td>5”</td>
</tr>
<tr>
<td>M. Wheel diameter</td>
<td>6”</td>
<td>8”</td>
</tr>
<tr>
<td>Height, folded</td>
<td>79”</td>
<td>86”</td>
</tr>
<tr>
<td>1819 Floor space folded</td>
<td>27” x 38”</td>
<td></td>
</tr>
<tr>
<td>1820 Floor space folded</td>
<td>31” x 42”</td>
<td></td>
</tr>
</tbody>
</table>

### Boom Capacity (lbs.)

<table>
<thead>
<tr>
<th>Description</th>
<th>Extended 4,000</th>
<th>Centered 5,000</th>
<th>Retracted 6,000</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Maximum boom height</td>
<td>161-7/8”</td>
<td>150-11/16”</td>
<td>139-1/2”</td>
</tr>
<tr>
<td>B. Minimum boom height</td>
<td>6”</td>
<td>17-3/8”</td>
<td>28-3/4”</td>
</tr>
<tr>
<td>C. Overall height (boom horizontal)</td>
<td>87”</td>
<td>87”</td>
<td>87”</td>
</tr>
<tr>
<td>D. Overall length*</td>
<td>129-1/8”</td>
<td>113-7/8”</td>
<td>98-1/4”</td>
</tr>
<tr>
<td>E. Inside leg length</td>
<td>91-11/16”</td>
<td>76-1/8”</td>
<td>43-1/4”</td>
</tr>
<tr>
<td>F. Effective boom horizontal reach</td>
<td>94-1/4”</td>
<td>78-3/4”</td>
<td>63-1/4”</td>
</tr>
<tr>
<td>G. Outside leg width**</td>
<td>59-3/4”</td>
<td>57-3/4”</td>
<td>55-3/4”</td>
</tr>
<tr>
<td>H. Boom swing</td>
<td>36”</td>
<td>31”</td>
<td>26”</td>
</tr>
<tr>
<td>K. Leg height</td>
<td>9-1/16”</td>
<td>9-1/16”</td>
<td>9-1/16”</td>
</tr>
<tr>
<td>M. Wheel diameter</td>
<td>8”</td>
<td>8”</td>
<td>8”</td>
</tr>
<tr>
<td>Dolly wheel diameter</td>
<td>5”</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* Legs in storage position: 80-7/8”
** Legs in storage position: 53-1/2”
FLOOR CRANES / ACCESSORIES

HEAVY DUTY TOOLS & EQUIPMENT

2,000 and 4,000 lb. Capacity Folding Floor Cranes
• Both of these cranes fold up for compact storage.
• Front wheels are 3-1/2"; rear casters 5-7/8".
2002 – 2000 lb. capacity crane with a reach of 24" to 36"
2004 – 4000 lb. capacity crane with a reach of 25" to 46"

Load Leveler
• Improved design over conventional spreader bars.
• Carriage on main support beam moved by turning lead screw; this permits fine adjustment of the tilt angle of component being lifted.
• Turn lead screw manually or with air-powered tools.
• Spreader bar adjustment secured with locking bolts.
• Chain grade is 80.
• Covered by OTC Lifetime Marathon Warranty®.
1812 – Load Leveler. Max. lifting capacity: 6,000 lbs.; distance between hooks: min. 30", max. 46".
1822 – Load Leveler. Max. lifting capacity: 10,000 lbs.; distance between hooks: min. 36", max. 56".

Specifications

<table>
<thead>
<tr>
<th></th>
<th>2002</th>
<th>2004</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum capacity, boom extended</td>
<td>500 lbs.</td>
<td>1,000 lbs.</td>
</tr>
<tr>
<td>Maximum capacity, boom retracted</td>
<td>2,000 lbs.</td>
<td>4,000 lbs.</td>
</tr>
<tr>
<td>Maximum height, boom extended</td>
<td>94&quot;</td>
<td>104&quot;</td>
</tr>
<tr>
<td>Maximum height, boom retracted</td>
<td>87&quot;</td>
<td>81&quot;</td>
</tr>
<tr>
<td>Effective boom reach, boom extended</td>
<td>36&quot;</td>
<td>48&quot;</td>
</tr>
<tr>
<td>Effective boom reach, boom retracted</td>
<td>24&quot;</td>
<td>26&quot;</td>
</tr>
<tr>
<td>Leg width @ front wheels</td>
<td>32-1/2&quot;</td>
<td>25&quot;</td>
</tr>
<tr>
<td>Leg height</td>
<td>6-1/2&quot;</td>
<td>7-3/4&quot;</td>
</tr>
<tr>
<td>Floor space folded</td>
<td>5&quot; x 33&quot;</td>
<td>16&quot; x 17-1/2&quot;</td>
</tr>
<tr>
<td>Floor space unfolded</td>
<td>70&quot; x 32&quot;</td>
<td>33&quot; x 33-1/2&quot;</td>
</tr>
</tbody>
</table>

1806
4,000 lb. capacity Load-Rotor® Positioning Sling
• Use with a floor crane. Engine, transmission, or other component is tilted or leveled by turning sling’s 5/8” hex drive end with a common speed handle and socket.
• Has 65-3/4" long chain (5/16") and hook assembly with forged hook on each end. Pair of special lifting brackets included.
• Makes engine removal and installation a snap, even in close quarters.
• For use with floor cranes only; not to be used with overhead hoists or lifts.

Heavy-Duty Adjustable Slings
• For lifting and positioning engines, transmissions, etc. Each chain can be adjusted independently for length; plate design enables chain to be ‘short-hooked’ for correct tilt.
205049 – 2,000 lb. capacity sling with 1/4” chain, 56” long
205050 – 4,000 lb. capacity sling with 5/16” chain, 65” long
38841 – Plate only, use with any 1/4” or 5/16” alloy steel chain

Alloy Chains for Overhead Lifts and Hoists
302941 – 5/16” alloy chain, 26-13/16” long, 4,000 lb. capacity. With safety hook on one end. Use on No. 1812.
302249 – 3/8” alloy chain, 28-3/8” long, 6,000 lb. capacity. With safety hook on one end.

7100
4,000 lb. Capacity Lifting Brackets (pair)
• Attach directly to component for easy lifting; will take 1/2" diameter bolts.

302249

4305
1,500 lb. Capacity Engine Load Leveler
Designed to hook to a crane or hoist to handle and position large, bulky components.
• The horizontal tilt can be adjusted to compensate for off-center loads, or adjusted to a certain angle for a component being positioned.

4305

Alloy Chains for Overhead Lifts and Hoists
302941 – 5/16” alloy chain, 26-13/16” long, 4,000 lb. capacity. With safety hook on one end. Use on No. 1812.
302249 – 3/8” alloy chain, 28-3/8” long, 6,000 lb. capacity. With safety hook on one end.

7100
4,000 lb. Capacity Lifting Brackets (pair)
• Attach directly to component for easy lifting; will take 1/2” diameter bolts.
5180
10-Ton Portable Hydraulic C-Frame Press
- Weighing less than 28 lbs, this durable press is portable for various applications, i.e., roadside maintenance services, industrial applications, marine, general automotive.
- For clamping, pressing and bending. Ideal for welding and metal fabrication.
- 9” Open-Throat® design.
- Couples to any 4- or 10-ton Porta Power pump.
- The base can be assembled to position the press either vertically or horizontally and can also be mounted to a bench.
Set includes: C-Frame press with base, adapters: V-pushing and ram pushing (9/16” and 3/4” dia. shanks), receiving insert, flat insert, storage case.

5230
16-1/2 Ton Capacity Bench Press
This innovative press integrates all the hydraulic elements within the chassis. The compact and functional design saves workshop space and ensures protection during transport.
- Bolster is adjustable for height.
- Automatic spring return piston.
- Pressure gauge with damper to extend its working life– positioned at eye level for easy reading.
- Includes set of two V-blocks and legs with bolt-holes for fixing to bench.

1825
17-1/2 Ton Capacity Heavy-Duty “Open Throat®” Press
- Ram head moves side to side for off-center pressing; ram-to-work distance is adjusted by a forcing screw that is extended or retracted by a speed crank.
- “Open-throat®” frame extensions make handling of bulky jobs possible outside of the press frame.
- This press does not have a lifting mechanism. If a lifting mechanism is needed, order 211407.
- Covered by OTC Lifetime Marathon Warranty®.
- Has No. 201832 hydraulic ram with 2” stroke, No. 4002 hydraulic hand pump, No. 9650 gauge, No. 9767 hose, adjusting screw, speed crank, ram cap, and pump mounting bracket.

211407 – 17-1/2 ton winch kit.

25-Ton Capacity Heavy-Duty “Open Throat®” Press
- “Open throat®” feature enables ram to be positioned outside of press frame for fast axle bearing removal and installation, as well as other tasks. Rugged press is covered by OTC Lifetime Marathon Warranty®.
- Press bed is raised or lowered with a hand crank, and a spring-return hydraulic ram is laterally adjustable for off-center work at full capacity.
1826 – 25-ton press. Includes No. 4016 hydraulic hand pump; No. 52025 hydraulic ram with 14” stroke; No. 9652 gauge; No. 303563 hose (3/8” ID x 8’); and pump mounting bracket.
1826A – 25-ton press. Includes No. 4020 air/hydraulic pump; equipped the same as 1826.
25-Ton Capacity Shop Presses
- Tough, economical press is ideal for pressing rear axle bearings, piston pins, and much more.
- Large 30” x 46” work area under ram makes positioning of even bulky work easy. Press bed is easily raised and lowered by a dependable lifting mechanism. Choice of model with hand- or air-driven hydraulic pump.

**1833 – 25-ton press**, complete with No. 4002 hydraulic hand pump; No. 9652 gauge; No. 24815 tee; No. 9767 hose (1/4” ID x 6’); hydraulic ram No. 51426 with 6-1/4” stroke; and 42733-WH2 pump mounting bracket.

**1834 – 25-ton press**, complete with air-driven No. 4020 hydraulic pump; No. 9652 gauge; No. 24815 tee; No. 9768 hose (1/4” ID x 8”) and hydraulic ram with 6-1/4” stroke.

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
<th>C</th>
<th>E</th>
<th>F</th>
<th>G</th>
<th>H</th>
<th>J</th>
<th>Floor Space</th>
</tr>
</thead>
<tbody>
<tr>
<td>64-1/2”</td>
<td>40-1/2”</td>
<td>28”</td>
<td>5-3/4”</td>
<td>46”</td>
<td>4”</td>
<td>30”</td>
<td>5-1/2”</td>
<td>6-1/4” x 28”</td>
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55-Ton Capacity Heavy-Duty Presses
- Side-to-side positioning of ram allows full capacity pressing along entire bolster length without buckling or bending. Covered by OTC Lifetime Marathon Warranty®.
- Hydraulic ram features 13” of stroke. Choice of hydraulic power units.

**1845 – 55-ton press**. Includes single-acting ram No. 52380 with 13” stroke; No. 4044 electric/hydraulic pump; No. 9651 gauge; No. 303563 hose (3/8” ID x 8’); and pump mounting bracket.

**1846A – Same as No. 1845 except has No. 4016 hydraulic hand pump and single acting ram No. 65458 with 10-1/8” stroke.**

**1847 – 55-ton press**. Includes double-acting ram No. 51682 with 13” stroke; No. 4046 electric/hydraulic pump; No. 9651 gauge; No. 36887 hoses, and pump mounting bracket.

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<th>Floor Space</th>
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<tbody>
<tr>
<td>70-3/4”</td>
<td>47-1/2”</td>
<td>28”</td>
<td>6-1/8”</td>
<td>41-1/2”</td>
<td>8”</td>
<td>3-1/4”</td>
<td>32-3/4”</td>
<td>6”</td>
<td>6”</td>
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</table>

55-Ton Capacity Economy Shop Presses
- Wide 10” throat opening between lower bolsters
- Durable steel frame resists buckling and bending. Covered by OTC Lifetime Marathon Warranty®.
- Hand-operated winch and cable mechanism adjusts lower press bolster.

**1850 – 55-ton press**. Includes No. 52457 hydraulic ram with 6-1/4” stroke; No. 4016 hydraulic hand pump; No. 9651 gauge; No. 9767 hose (1/4” ID x 6’); and pump mounting bracket.

**1851 – 55-ton press**. Includes No. 52457 hydraulic ram with 6-1/4” stroke; No. 4020 air/hydraulic pump; No. 9651 gauge; No. 9767 hose (1/4” ID x 6’); and pump mounting bracket.

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<td>41-1/2”</td>
<td>8”</td>
<td>3-1/4”</td>
<td>32-3/4”</td>
<td>6”</td>
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</table>

100-Ton Capacity Economy Shop Press
- Large 35” opening between press uprights allows easy handling of large gears, shafts, sprockets, and other components serviced in truck, construction, and agricultural equipment shops. Covered by OTC Lifetime Marathon Warranty®.
- Hand-operated winch and cable mechanism gives operator precise control in adjustment of lower press bolster to any height.

**1854 – 100-ton press**. Includes hydraulic ram No. 52434 with 10” stroke; No. 4044 electric/hydraulic pump; No. 9651 gauge; No. 9768 hose (1/4” ID x 8’); and pump mounting bracket.

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<th>Floor Space</th>
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<tbody>
<tr>
<td>86-5/8”</td>
<td>47-1/2”</td>
<td>28”</td>
<td>17-1/2”</td>
<td>9-5/8”</td>
<td>49-5/8”</td>
<td>8”</td>
<td>3-1/4”</td>
<td>32-3/4”</td>
<td>6”</td>
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</tbody>
</table>

*Lateral head movement.
### 100-Ton Capacity Heavy-Duty Shop Presses

- Wide open uprights allow easy positioning of bars and shafts for straightening or bending.
- Upper bolster can be lowered for convenient positioning during repetitive jobs.
- Ram head glides smoothly on rollers for easy horizontal adjustments; rugged press frame will withstand a full capacity load with the ram head in any position across the upper bolster.
- Covered by OTC Lifetime Marathon Warranty®.

**1857 – 100-ton press.** Includes single-acting No. 52434 ram with 10” stroke; No. 4008 hydraulic hand pump; No. 9781 hose (3/8” ID x 10’); and pump mounting bracket.

**1858** – Same as No. 1857, except has double-acting No. 51683 ram with 13” stroke; No. 61217 3-phase, 220V, 3450 rpm electric/hydraulic pump; and two No. 9769 hoses.

**1858-1P** – Same as No. 1858, except it has a No. 4064 2-stage, 1-phase hydraulic pump.

### 100-Ton Presses Accessory Set

**50392** – Straightening fixtures (pr.)

**1893** – V-blocks, 14” long (pr.)

**21332** – Pushing adapter (must be used with reducing adapter).

**36469** – V-pushing adapter (must be used with reducing adapter).

**43563** – Reducing adapter (for double-acting ram).

**43562** – Reducing adapter (for single-acting ram, not pictured).

### 17-1/2-Ton Press Accessory Set

**1880**

- Adapters and accessories attach to ram’s forcing screw or are used on press bed to support work.

Set includes:

- **1123** – Bearing pulling attachment
- **201923** – Ram pushing adapter with a 1/2” dia. shank
- **201454** – Ram pushing adapter with a 3/4” dia. shank.

### 25-Ton Press Accessory Set

**1881**

- Adapters and accessories attach to ram’s forcing screw or are used on press bed to support work.

Set includes:

- **1124** – Bearing pulling attachment
- **34510** – Ram pushing adapter with 3/4” dia. shank
- **34511** – Ram pushing adapter with 1” dia. shank
- **34807** – V-pushing adapter
- **1891** – 11-1/2” long V-blocks (pr.)
- **28229** – Ram forcing cap
- **38953** – Threaded adapter
- **1126** – Bearing pulling attachment
- **34755** – Ram pushing adapter with 1” dia. shank
- **34756** – Ram pushing adapter with 1-1/4” dia. shank
- **34808** – V-pushing adapter
- **1892** – 14” long V-blocks (pr.)
- **28230** – Ram forcing cap
- **37368** – Threaded adapter – for single acting only
- **38954** – For 1872 double acting press

### 55-Ton Press Accessory Set

**1882**

- Accessories attach to ram’s forcing screw or support work on press bed.

Set includes:

- **1126** – Bearing pulling attachment
- **34755** – Ram pushing adapter with 1” dia. shank
- **34756** – Ram pushing adapter with 1-1/4” dia. shank
- **34808** – V-pushing adapter
- **1892** – 14” long V-blocks (pr.)
- **28230** – Ram forcing cap
- **37368** – Threaded adapter – for single acting only
- **38954** – For 1872 double acting press

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**Floor Space**

<table>
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<tr>
<th>A</th>
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<th>J</th>
<th>Floor Space</th>
</tr>
</thead>
<tbody>
<tr>
<td>77-1/4”</td>
<td>64”</td>
<td>36”</td>
<td>7-43”</td>
<td>2-42”</td>
<td>8”</td>
<td>50”</td>
<td>8”</td>
<td>10”</td>
<td>36” x 78-1/4”</td>
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</table>

* Lateral head movement. Frame shipped assembled.
Universal Outside Thread Chaser
Damaged bolt or nut threads can be an annoying, costly problem—unless you have one of our thread chasers. It will quickly restore threads to near original condition without the use of expensive thread-cutting equipment.
- Replaceable V-pads and dies.
- 1-1/4” to 5” O.D.

7402 – Thread chaser with 6 dies: threads per inch - 4, 5, 6, 7, 7-1/2, 8, 9, 10, 11, 11-1/2, 12, 14, 16, 18, 20, and 24.
216884 – Standard die set. Includes 6 dies, in the sizes listed above.
202817 – Metric die set. Includes three dies: 1 mm-1.25 mm-1.75 mm, 2 mm-2.5 mm-3.0 mm-3.5 mm; 4 mm pitch dies.
206803 – V-pad.

Handled Pry Bars
Heavy-duty pry bar made of tempered square steel that you can hit without damaging the handle.
- Black chrome striking cap allows hitting the bar without damage to the handle.
- Ergonomic handle – dual durometer composite handle for user comfort; reduces hand fatigue.
- Polished tip with black oxide finish.
- Long-life finish resists rust and wear during use.
- OTC Marathon Lifetime Warranty.

8203 – 3-piece handled pry bar set. Includes 12”, 18”, and 24” sizes.
8206 – 6-piece handled pry bar set. Includes 8”, 12”, 18”, 24”, 32” and 36” sizes.
8208 – 8” handled pry bar.
8212 – 12” handled pry bar.
8218 – 18” handled pry bar.
8224 – 24” handled pry bar.
8232 – 32” handled pry bar.
8236 – 36” handled pry bar.

6492 Engine Preluber Kit
- Ensures oil is present to internal engine components on the first start of a new or rebuilt engine, or after major engine work is performed.
- Required to prime the oil pump and fill the oil galleries and internal engine components with clean, new oil.
- Connects to engine oil system at the oil pressure sensor on a variety of domestic and import engines.
- Oil pressure sensor adapters included.

5086 10-Ton Collision Repair Set
- Exert hydraulic force just where it’s needed to lift, spread, bend, or straighten. Handles the high-force jobs you face daily in trailer maintenance or other applications.
- Includes reliable components including 10-ton, 10-1/8” stroke hydraulic ram, air/hydraulic pumping unit; hydraulic hose; four snap-together extension tubes; extension tube coupling; serrated saddle; flat base; 90° wedge head; flex head; storage case.
- All set components are covered by OTC Lifetime Marathon Warranty®.

4020 Air/Hydraulic Pump
- Ideal all-around power source develops 10,000 PSI at 100 PSI air.
- Two-stage release mechanism; internal relief valve.
- 98 cu. inches of usable oil.
- Covered by OTC Lifetime Marathon Warranty®.

4085 1-ton Capacity Hydraulic Spreader
This hydraulic spreader is rated at a full 1-ton capacity at 10,000 PSI and that’s enough for a wide variety of jobs. Working in tight spots is no problem—it needs only a 9/16” clearance to engage the jaws. With a big 4” spread, it’s ready for a variety of applications: straightening work, removing dents and creases from sheet metal, or as a clamp. The device’s spring-return jaws are made of high-strength alloy steel. It can be dead-ended at 4” spread under full load. Ideally suited to work with No. 4012 hand pump (not included).

4180 Power Twin Ram and Pump Set
- Center-hole feature permits extending adjusting screws, cables, puller screws, etc., straight through the ram.
- This spring return unit is compact and lightweight.
- Ideal for jobs having restricted working space.
- Set includes 4120 17-1/2 ton, 2” stroke single-acting hydraulic ram; 4002 pump; 9650 gauge; 24815 tee; 9767 hose; and 9798 hose half coupler.

Pumps and Rams
9110B – 10-Ton Ram with 6” stroke. Use with the snap-together components of OTC Stinger’s collision repair sets, or with most similar competitive products.
9107B – Single Speed Hydraulic Pump
Ideal for single acting rams. Developing up to 10,000 psi operating pressure, the pumps operate horizontally or vertically in the “head down” position. Finger tip control provides instant release or pumping action. Has a built-in safety overload valve.
Portable Diesel Particulate Filter Cleaner

The Diesel Particulate Filter (DPF) Cleaner was designed with shop service in mind. Its portability allows the unit to be placed as close to the vehicle as possible and to be stored wherever needed in the service facility. The advent of the 2010 Tier 4 cleaning requirements created the need for a lighter, more portable cleaning system which can be taken into the field to clean filters at the point of service.

Diesel Particulate Filter features

• Lightweight and Highly Portable - ideal cleaning system for use in the shop or on a service truck.
• Flexibility - clean DPF's from 6" to 15.5" in diameter using shop or compressed air of at least 100 PSI and 20 CFM sustained airflow.
• Fully Automated Operation - once started, the cleaning process can be completed with minimal operator oversight, freeing up the technician to simultaneously do other work in the shop.
• Focused Air Jet Technology™ - concentrates a precise high pressure stream of air directly into every cell.
• Easy Maintenance - contains no internal filters that require user maintenance.
• Rugged design provides maximum durability.
• Operates on 12-24 volt DC, or 110-220 Volt AC.

Efficiency by the Numbers*

• Cleans up to 20% more efficiently than traditional pulse based systems.
• Cleans up to 5% more efficiently than other more expensive "air knife" systems.
*Based on third party OE test data using Pin-gauge measurement.

Unique floating puck prevents "splash back"

• Features Focused Air Jet Technology™ with a unique floating puck that prevents splash back.
• Includes three nozzles: two straight (short and long), for standard "open face" DPFs; and one curved for the angled-flange DPFs.
• Ensures quiet operation.

Ash disposal System and Shield

• Innovative ash disposal system enables technician to quickly and easily remove and dispose of particulate matter in accordance with local environmental requirements.

5286 kit includes:

• Cleaning unit
• Three neoprene rings fit filters from 6 in. (165 mm) to 15.5 in. (400 mm) in diameter
• Wet / dry HEPA vacuum
• Short, long, and curved-flange filter nozzles
• Adjustment feet for standard and flanged filters
• Ash disposal kits
• AC and DC adapter cables

Accessories

563197 (Set of 5) - Ash disposal system enables technician to quickly and easily remove and dispose of particulate matter in accordance with local environmental requirements.
5280
OTC 5280 Diesel Particulate Filter Cleaner

The Diesel Particulate Filter (DPF) Cleaner was designed with shop service in mind. The cleaning process allows the DPF to be cleaned as part of a general maintenance schedule at the service location with minimal time away from the vehicle. It’s portability allows the unit to be placed as close to the vehicle as possible and to be stored wherever needed in the service facility.

DPF Cleaner Features

• OE tested and Dealer recommended – By many major diesel engine manufacturers. Robust design – For long shop life. Can be used as part of a preventative maintenance program.
• High Pressure cleaning process for thorough cleaning of ash from DPF – produces 10 times the burst energy of competitive low pressure units.
• Initial Burst Quick check – To identify filters too plugged for proper cleaning.
• Movable with locking wheels – For placement throughout the shop.
• Computer Controlled Process Based on OE Requirements – for “Start to End” cleaning without constant technician monitoring.
• Containerment of hazardous ash – For easy disposal.
• HEPA Filter Air Exhaust System – To exceed environmental air standards for shop.
• Operates on standard 115V outlet.
• Proven to clean to over 92% efficiency. (3)

(3) Third-party OEM test results using pin gauge measurement with approved OTC adapters and burst cycles. Actual results may vary.

DPF Cleaner Includes:

OTC Diesel Particulate Filter (DPF) Cleaner

535936 – Small Cone
543887 – Medium Cone
543885 – Large Cone
553913 – CAT Adapters
553915 – Cummins Adapters

Upgrade kits for other OEM’s are sold separately:

556889 – Detroit Diesel upgrade kit
553990 – UD TRUCK (with Hino Engine) upgrade kit
553991 – Isuzu upgrade kit
553993 – Volvo/Mack upgrade kit
558181 – Navistar upgrade kit* • Requires use of 5281 DPF Thermal Processing Unit.
554654 – Includes all upgrade kit shown above.
558569 – 12” HEPA filter
558571 – 30” air filter cartridge

5281
OTC DPF Thermal Processing Unit

The 5281 DPF Thermal Processing Unit is a device which will thermally regenerate a DPF unit at a controlled, pre-programmed rate. Sometimes, the DPF cannot be regenerated on the truck due to a failure with the vehicle’s own regeneration system, or in the case of retrofit applications, a lack of an on-vehicle regeneration system. Thermal regeneration of DPFs is used in conjunction with the OTC 5286 DPF Cleaner.

Designed to facilitate the cleaning of dirty filters – especially those with high amounts of wet soot, and unburned hydrocarbons.

• Pre-programmed thermal profile controls temperature ‘ramp up’ and ‘cool down’ to protect the DPF from thermal shock, reducing the risk of cracking the DPF.
• Holds temperature constant for two hours to ensure complete regeneration of filter.
• Includes both standard cycle and “pre-treat” cycle for oil-soaked filters.
• Built-in electronic safety lock prevents unauthorized opening of the door when temperatures exceed 200 degrees F.
• Large chamber accommodates various DPF sizes and shapes. Front access door allows for easy access to the thermal chamber.
• 220VAC / 60Hz / Single phase / 50 Amp.
• 1-year warranty.
• CE, UL201, UL499.
• Internal chamber dimension: 24” (L) x 24” (W) x 26” (H).

5-7399
Horizontal DPF Handler

• The Universal mounting assembly adjusts, front to back and side to side for easy DPF handling.
• The height range of 6-1/2” to 29-1/2” is ideal for most of today’s trucks.
• Safety strap holds the load securely while moving about the shop.

Specifications:

Overall Length: 34-1/2”
Overall Width: 19-3/8”
Max. Height: 29-3/4”
Min. Height: 7-1/2”
Side tilt: 30°, Front tilt: 15°, Back tilt: 15°
GENISYS EVO® HD STANDARD
HEAVY DUTY TOOLS & EQUIPMENT

3421-79
Genisys Heavy-Duty Starter Kit
Includes Genisys EVO® featuring the NEW System 5.0 with Code-Assist™ experienced-based Confirmed Fixes™ from Identifix®, NEW USA 2012 Domestic / Asian with ABS and European 2011 software including Pathfinder, Repair-Trac®, Fast fixes™ information, Heavy-Duty Standard software with cables, InfoTech Component Information software, Automated System Test™, OBD II Smart Cable, USA Domestic OEM vehicle cables (for GM, Ford, Chrysler, Jeep, Saturn), manuals, and carrying case.

NOTE: OEM cables may be required for certain vehicle system functions. Additional OEM cables are available individually or in convenient kits - Asian OEM Cable Kit 3421-94, European OEM Cable Kit 3421-75 and ABS/Airbag OEM Cable Kit 3421-54. One time scan tool registration required.

3895-07
Genisys Touch Heavy-Duty Standard
OTC Genisys Touch HD supports two Society of Automotive Engineers (SAE) standards for the heavy-duty industry, J1587 / J1708 and J1939 CAN. Features Class 4 – Class 8 truck coverage. View and clear diagnostic trouble codes and live vehicle data. Heavy-Duty Standard Starter Kit. Includes 9-pin Deutsch cable, 6-pin Deutsch cable, and heavy-duty security card.

5025
DEF Refractometer
Features:
- Digital Display
- Displays % UREA
- Displays washer fluid freeze point

3095
Digital DEF Tester
Features:
- Ensure the proper operation of Class 7-8 trucks utilizing the SCR system with accurate Diesel Exhaust Fluid solution displayed on screen.
- Most heavy duty engine (Class 7-8 trucks) manufacturers, have chosen to utilize SCR. This includes Detroit Diesel (DD13, DD15, and DD16 models), Cummins (ISX line), PACCAR, and Volvo/Mack.
- SCR-equipped engines require the periodic addition of Diesel Exhaust Fluid (DEF, a urea solution) to enable the process. DEF is available in a bottle at most truck stops, and some have installed bulk DEF dispensers near the Diesel Fuel pumps. However, to ensure the proper operation of the SCR system, operators must ensure the DEF in their vehicle consists of a 32.5% Urea / Water solution.
- The OTC 3095 makes this a simple and quick process for an operator or technician.

3874HD
Genisys EVO® USA Deluxe with Heavy Duty Standard
Includes Genisys EVO® featuring the NEW System 5.0 with Code-Assist™ experienced-based Confirmed Fixes™ from Identifix®, NEW USA 2012 Domestic / Asian with ABS and European 2011 software including Pathfinder, Repair-Trac®, Fast fixes™ information, Heavy-Duty Standard software with cables, InfoTech Component Information software, Automated System Test™, OBD II Smart Cable, USA Domestic OEM vehicle cables (for GM, Ford, Chrysler, Jeep, Saturn), manuals, and carrying case.

NOTE: OEM cables may be required for certain vehicle system functions. Additional OEM cables are available individually or in convenient kits - Asian OEM Cable Kit 3421-94, European OEM Cable Kit 3421-75 and ABS/Airbag OEM Cable Kit 3421-54. One time scan tool registration required.

5025 OTC DEF Refractometer
Kit includes: Refractometer, dropper, lens wipe cloth, instructions and quick guide, screwdriver and case.

3095
Digital DEF Tester
SCR and EPA 2010
EPA regulations require all diesel engines manufactured on or after January 1, 2010 to meet lowered NOx emissions standards.

- Most heavy duty engine (Class 7-8 trucks) manufacturers, have chosen to utilize SCR. This includes Detroit Diesel (DD13, DD15, and DD16 models), Cummins (ISX line), PACCAR, and Volvo/Mack.
- SCR-equipped engines require the periodic addition of Diesel Exhaust Fluid (DEF, a urea solution) to enable the process. DEF is available in a bottle from most truck stops, and some have installed bulk DEF dispensers near the Diesel Fuel pumps. However, to ensure the proper operation of the SCR system, operators must ensure the DEF in their vehicle consists of a 32.5% Urea / Water solution.
- The OTC 5025 makes this a simple and quick process for an operator or technician.

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. The more concentrated the liquid, the more the light will bend. The refractometer contains a reticle, or scale, that is enlarged through the eyepiece to measure this light. The values on the scale have been established to evaluate the DEF condition.

Scale:
- 0.5% line graduations
- 32.5% Indicated
- Scale 15-40%
- Waterline & 20 Deg C

3421-79
Genisys Heavy-Duty Starter Kit
Includes Genisys Heavy-Duty Standard software includes J1587/1708 and J1939 CAN communications. Kit includes 9-pin Deutsch cable, 6-pin Deutsch cable, Smart Card, and PC software CD.

NOTE: System 4.0, 4GB card minimum required to install; see No. 3421-138.
HEAVY-DUTY WIRELESS DIAGNOSTIC SYSTEM

PC PROGRAM FOR HD STANDARD DIAGNOSTICS

- RP1210 compatible and will work with any RP1210 VCI.
- Read and clear diagnostic trouble codes.
- Live vehicle data of HD Standard Engine parameters.
- Vehicle data communication and live data stream.
- Demo mode permits operation without vehicle connection.
- On-screen definitions of diagnostic trouble codes.
- PC & CD user’s manual.
- Customizable line graphs.
- Automatic recording of data.
- Print screen data or save reports to print later.
- Ez-Tap Kits Available.

3076 HD Scan with Ez-Tap
- In-shop wireless capability.
- Ez-Tap Wireless Vehicle Communication Interface (VCI) works with OEM diagnostic software.
- One wireless VCI for all your diagnostic software.
- Eliminate cables and cable replacement costs.

3086 HD Scan with Ez-Tap Extended Range
- 300 ft. wireless range to scan trucks anywhere on facility grounds.
- Scan trucks and preform initial diagnosis before you bring them into the shop.
- One wireless VCI for all your diagnostic software.
- Eliminate cables and cable replacement costs.

FOR PRODUCT VIDEOS VISIT OTCTOOLS.COM
HEAVY DUTY SCAN
HEAVY DUTY TOOLS & EQUIPMENT

3075 Ez-Tap Wireless Diagnostic Hardware Kit
• The EZ Tap Diagnostic kit enables a Heavy-Duty facility to use their OEM software for direct diagnostic mode operation.
• Kit includes: Ez-Tap wireless (non-locking) VCI, Ez-Base wireless adapter, Ez-Tap 9-pin to 6-pin adapter, USB cable and Ez-Tap CD. Note: OEM diagnostic software not included.

3075-01 9-pin non-locking

3075-02 9-pin locking
Note: For your PC to communicate with the Wireless Ez-Tap, you will need either an OTC EZ-Base (3075-05) or OTC EZ-Base ER (3075-06).

3075-03
9-pin non locking, 16 foot USB cable and Ez-Tap CD

3075-04
9-pin locking, 16 foot USB cable and Ez-Tap CD

3075-05 Ez-Base Wireless Adapter
The Ez-Base allows a PC or host computer to communicate with Ez-TAP using our AirBridge® 2 wireless technology.
• 100+ foot range.
• Built in indicator lights.
• Allows full wireless throughput for direct diagnostics.
• Allows a single PC to connect to any Ez-TAP in range.

3075-06 Ez-Base Extended Range Wireless
Ez-Base Extended Range allows even more range and flexibility for your truck yard or service environment.
• 300+ foot range with the included antenna.
• 1000+ foot range with optional remote mounted antenna. (3075-07) sold separately.
• Built-in Wireless signal strength indicator lights.
• Plus all the features of Ez-Base.

3940-HD Heavy Duty Digital Multimeter
OTC 550 Series Auto Ranging Multimeter
• Powerful professional grade test functions
  – Frequency
  – Duty Cycle
  – Diode & Continuity Tests

Mid-Range Amp Probe
• Non-intrusive AC/DC current measurement
• Measurement range of 2–600 amps AC/DC
  – Covers HD truck components and electric motors

Extended Length Test Leads
• 5 ft. test leads to provide improved reach
• Detachable probes allow use with amp prob
HEAVY DUTY SCAN
HEAVY DUTY TOOLS & EQUIPMENT

3417
OTC Heavy-Duty Scan Tool
For Heavy-Duty shops that need a second tool in the shop and for their mobile repair trucks.
Product Features:
• Brilliant Color Display
• Class 4 – Class 8 truck coverage featuring "Automatic Protocol Search".
• HD J1587 / J1708 and J1939 CAN, Engine, Transmission/ABS coverage and more!
• Live vehicle data such as: Engine speed, Engine ECU temperature, Engine coolant temperature, Battery volts, Alternator volts, Ambient air temperature, Air inlet temperature.
• Read and clear diagnostic trouble codes.
• Global OBD II – All 9 Modes.
• English, Spanish, and French support
• Battery powered for off vehicle use.
• Trilingual Quick Start Guide included to help technicians get started fixing cars FAST.
• CD-based manuals in Spanish, French, and English.
• Customize data views in line graph, LED, or digital format with the push of a button.
• Three record modes – marker frame, freeze data history, and code triggered record.

3417 HD Scan Kit Includes: HD scan tool, 9-Pin deutsch cable, 6-Pin deutsch cable, OBD II cable, heavy duty cable, USB cable, ScanMate software operations manual, carrying case and 3-year warranty.

“Automatic Protocol Search”

3418
OTC Heavy-Duty Code Reader
• Class 4 – 8 truck coverage.
• HD J1587 / J1708 and J1939 CAN, Engine, Transmission/ABS coverage and more for diagnostic trouble codes!
• Read and clear diagnostic trouble codes.
• Provides on screen DTC definitions for heavy-duty standard codes.
• Battery powered for off vehicle use.
• Internet update capable.

Applications:
Tow trucks, recreational vehicles, cement trucks, dump trucks, garbage trucks, buses, step vans, municipal vehicles, refrigerated trucks, and conventional trucks.
Heavy-Duty Standard compliant construction, marine, agriculture, and industrial diesel power plant configurations!

3418 HD Reader Kit Includes: HD reader tool, 9-Pin deutsch cable, 6-Pin deutsch cable, operations manual, 3-year warranty, and soft nylon carrying case.
Pro-Link iQ is designed to help diagnose engine, brake, and transmission failures. This easy-to-use, advanced tool is engineered to support today’s commercial vehicles as well as the more complex vehicles of tomorrow. Using clear menus and message screens, the Pro-Link iQ guides technicians through the most complicated vehicle tests.

Available iQ Applications
- Generic
- HDS | Medium- and heavy-duty trucks
- OBD II | Light- and medium-duty trucks
- OEM
  - Caterpillar | ACERT
  - Detroit Diesel | DDEC III, IV, V
  - International | Engine
  - Allison | 1K and 2K, WTCE, CEC1
  - WABCO | Air and hydraulic

3110 Pro-Link® iQ
- Easy-to-use common user interface across all OEM applications
- Free trial period for all OEM software
- Software easily updated via the Internet
- Large capacity hard drive for future updates
- Light-weight and durable for the shop area
- 8.4" color screen for use in any light
- Touch screen for easy activation of on-screen tabs
- PC and printer connectivity via USB ports
- Can print to most USB printers
- Power from either the vehicle or internal battery for continuous use
- 2 USB ports
- 1 compact flash port
- Protective carrying case

Optional Software, Cables & Accessories
- 3110-01 Pro-Link iQ software, ALLISON Suite
- 3110-02 Pro-Link iQ software, ALLISON GEN 4 Update
- 3110-04 Pro-Link iQ software, WABCO Suite
- 3110-05 Pro-Link iQ software, DDEC Suite (DDEC III, IV, V)
- 3110-07 Pro-Link iQ software, OBD II (AUTO)
- 3110-08 Pro-Link iQ software, Detroit Diesel Mercedes Benz
- 3110-09 Pro-Link iQ software, Heavy Duty J1939
- 3110-10 Pro-Link iQ Adapter, J1962 HD
- 3110-11 Pro-Link iQ Adapter, OBD II/J1962
- 3110-12 Pro-Link iQ Adapter, 6-pin
- 3110-13 Pro-Link iQ Adapter, 9-pin
- 3110-14 AC Adapter for Pro-Link IQ
- 3110-15 Pro-Link iQ software, CAT electronic engines
- 3110-16 Pro-Link iQ software, BENDIX ABS
- 3110-17 IQ LCD touchscreen protector
- 3110-18 Pro-Link iQ case with logo
- 3110-19 Pro-Link iQ DDEC VI kit with software
- 3110-20 Maxx Force
- 3110-21 Light and medium truck
- 3110-23 Pro-Link iQ International 2.0 software
- 3110-24 Pro-Link iQ International 2.0 upgrade software
- 3110-25 Pro-Link iQ Caterpillar ACERT 2.0 software
- 3110-26 Pro-Link iQ Caterpillar ACERT 2.0 upgrade software
- 3110-27 Pro-Link Brake Link V8.4.0.0 kit

3110-22 Pocket iQ™
The versatile Pocket iQ reports both engine and transmission functions—and it covers brakes, too. Gather data quickly and easily. Smart and handy, compact and lightweight, the Pocket iQ puts data at your fingertips.

Pocket iQ key functions and features:
- Monitors all vehicle data
- Checks engine speed/load, pressures, temperatures, other data
- Reads and clears active and inactive fault codes
- Displays trip data
- Collects and stores vehicle data from multiple vehicles
- Stores vehicle data in PDF or text format
- Provides J1587 and J1939 data

3110-27 Brake-Link™
No more working under the trailer watching for blinkcodes. Brake-Link™ is the low-cost full-service ABS brake scan tool that:
- Connects to trailers and tractors utilizing the SAE J1587 communication protocol
- Includes a built-in PLC converter
- Comes with J560 (7-way) cable that allows direct connection to trailer without tractor
- Provides ABS coverage for a wide range of applications

Brake-Link™ ABS Coverage
- Bendix EC-17, EC-30, EC-30T, EC (60) ABS 6, and TABS 6
- Meritor WABCO Trailer Support
- Wabash National MBS-1P and MBS-2
- Eaton GEN4 and GEN5
- Haldex PLC, PLC Plus, and PLC Select

3940-HD
digital Multimeter
OTC 550 Series Auto Ranging Multimeter
- Powerful professional grade test functions
  - Frequency
  - Duty Cycle
  - Diode & Continuity Tests

Mid-Range Amp Probe
- Non-intrusive AC/DC current measurement
  - Measurement range of 2–600 amps AC/DC
  - Covers HD truck components and electric motors

Extended Length Test Leads
- 5 ft. test leads to provide improved reach
- Detachable probes allow use with amp probe
LEAK DETECTION
HEAVY DUTY TOOLS & EQUIPMENT

EVAP – LEAK DETECTION SYSTEM

• Vacuum Leak Testing
• Exhaust Leaks
• Crankcase Oil
• Cooling System Testing
• Wind and Water Leaks
• 1-Year Warranty

LeakTamer is the latest generation of leak detection systems, providing more smoke and better control. Solid-state circuitry improves reliability and ensures more consistent smoke output. A wide assortment of accessories make the LeakTamer versatile tools for quickly locating different kinds of leaks.

LeakTamer Evap offers:
• Densest smoke in the industry.
• Newly redesigned smoke chamber and control system.
• More complete line of accessories.
• User refillable.
• Includes smoke producing solution for 500 tests.
• Non-toxic, non-corrosive smoke.

Product Features:
• OEM approved technology
  - Contains STAR Technology, the ONLY OEM-Approved smoke technology anywhere in the world
  - Large full range flow meter
  - Detects MicroLeaks™ down to and below 0.10
  - Flow-test components with full range of flow values
• Pinpoint leaks with Smoke and dye
  - UltraTraceUV® dye deposits at exact location of a leak
  - Finds leaks that smoke alone won’t find
  - Introduce to an engine before disassembly to find internal leaks
  - It’s the only OEM-Approved dye solution
• Variable Smoke Flow
  - Helps pinpoint smoke exiting a leak
  - Directional knob shows exact flow position
• Compact light weight design
  - More powerful diagnostics in smaller package
  - Can be used with air or nitrogen
  - Use any inert gas for safer EVAP testing and shop air for all other tests

6522 EVAP – Leak Detection System
Includes: Leak Tamer unit, White/UV combination light with laser pointer, UV glasses, EVAP adapter tool, exhaust cone, cap plug adapters, removal tool, smoke producing solutions enough solution for 500 tests.

Accessory / Replacement Parts

6522-1 UltraTraceUV® (8 oz. / 236 ml) patented solution is the only Automaker-approved smoke-producing solution in the world. Contains a special dye that deposits at the exact location of a leak. Each bottle will perform approximately 300 tests. Part No. is for one bottle, two bottles included with 6522.

6522-2 Inert Gas Pack Kit connects directly to fitting on back of LeakTamer 6522. Includes preset CO2 regulator with cylinder fitting, 20 oz. liquid CO2 cylinder, pressure gauge, universal push-on female coupler accommodates both automotive and industrial male fittings (Cylinder arrives empty) Performs approx. 25-50 full cycle EVAP tests per 20 liquid oz. cylinder.

6522-3 Combination Light for easier smoke location and ultraviolet (UV) light, to highlight the fluorescent dye deposited at the exact location of a leak. Also has laser pointer. Includes batteries and glasses.

6522-4 Standard Size Service Port Adapter.

6522-5 Schrader® Removal/Installation Tool.

6522-6 Cap Plugs Kit. Used for sealing some systems during leak testing.

6522-7 Universal Fuel Neck Adapter fits the majority of vehicles. Allows access to fuel tank for evaporative system testing.

6522-8 BMW and MINI Fuel Neck Adapter. Allows access to fuel tank for evaporative system testing.

6522-9 Smoke Diffuser locates leaks around doors, windows, sunroofs, trunk compartment seals, EV vehicles’ battery modules, or any closed system that can be pressurized from the inside and observe the smoke disturbance from the outside.

6522-10 Cone Adapter (standard) for introducing smoke into induction or exhaust system. 1” x 3.5” b 6” long (25.4 mm x 89 mm x 152 mm).

6522-11 Cone Adapter (Large) for introducing smoke into induction or exhaust system. 3.5” x 6” b 4.6” long (89 mm x 152 mm x 144 mm).

6522-12 Replacement Dipstick (for 6522).

6522-13 Replacement smoke supply hose and Delrin® Nozzle

6522-14 Delrin® Nozzle

6522-15 Flow meter red pointer flag. For easy viewing of flow meter measurements.
Smoke Check 1667 Diesel Emission Tester

In some states, failing the on-road emission test can result in a "must appear in court" citation, and up to an $1,800 fine. Add the downtime, missed delivery, rescheduling, and the potential for lost business. More states are adopting emissions standards and testing programs.

This can cost time and money for local and interstate fleets.

- Fleets can determine immediately if the truck will pass state standards and interstate emission programs.
- Completely portable; all components in one case; there is no PC. One person can do the entire test. Windows-based, PC downloadable program transfers up to 100 stored tests.
- No warm-up time needed; perfect for random roadside testing or in your PM Service Program.
- The partial flow meter clips inside any smokestack; testing can be performed in any weather.
- Digital LCD screen walks you through each step; when testing is complete, a printout of results is produced for verification.
- This is the same meter used for enforcement in California, New York, Illinois, and the majority of states that test for diesel emissions compliance.
- Meets the latest SAE J1667 specifications.

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Range</td>
<td>0–100%</td>
</tr>
<tr>
<td>Accuracy</td>
<td>+/- 1.0%</td>
</tr>
<tr>
<td>Power</td>
<td>12 VDC battery (built-in)</td>
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<tr>
<td>Battery Life</td>
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</tr>
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<td>Warm-up Time</td>
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<td>Response Time</td>
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<tr>
<td>Control Unit</td>
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<tr>
<td>Maintenance</td>
<td>Clean lens w/cotton swab</td>
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<tr>
<td>Weight:</td>
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<tr>
<td>Control Unit</td>
<td>15.5 lbs.</td>
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<tr>
<td>Sensor</td>
<td>3.5 lbs.</td>
</tr>
</tbody>
</table>

ORDERING INFORMATION:

RM1020CPCL
Smoke Check 1667 diesel smoke opacity tester. Includes partial flow meter, base unit with hand-held display, built-in printer, ambient sensors, two battery chargers – one for vehicle or shop, 20 ft. cable, telescoping rod, spring clamp, neutral density filter, and sensor head case.

OPTIONAL ITEMS:

OTC3020CPCL
Standard meter listed above with OIL/RPM software and accessories. These options are required for state approval testing in New York and New Jersey.

OTCSH
Sensor head with quick detach release.

Scrolling instructions walk you through the entire testing procedure.

Aluminum rod telescopes from 3 ft. to 8 ft.; reaches all stacks.

Optional pinch clamp holds head securely, on horizontal or downward facing stacks.

Three-point detachment quickly releases the sensor head for easy cleaning.

One person can run the entire test, even in the wind, since the sensor measures smoke inside the stack.
Sabre Heavy-Duty Battery & Electrical System Diagnostic Tester
- Heavy-duty for 24-volt battery and electrical systems.
- Diagnoses battery packs in series, parallel, or series/parallel.
- Tests AGM/gel-cell batteries.

HIGHEST CCA capacity ranges (50–4000 CCA – 24V).

LARGE DISPLAY for less scrolling, more detailed instructions. It’s also backlit for all light conditions.

INDUSTRY FIRST amp-clamp connection ports for live amperage readings using optional external amp-clamp.

15 FT. Cable to perform tests from the cab of the vehicle.

FIELD UPDATEABLE to accommodate new battery types, system updates, feature additions.

Battery Testing
- Tests the following battery pack configurations:
  - One battery (6V or 12V).
  - Two batteries in series (24V); 2, 3, or 4 batteries in parallel (12V).
  - Two banks in parallel, each bank having 2 batteries in series (24V).
- Uses pack configuration in algorithm design.
- Step-by-step user instructions for easy test completion.
- Tester-applied loads used on all pack combinations.

Electrical System Testing
- 12V and 24V charging/starting system tests.
- 12V and 24V diode tests.
- Amp-clamps available (not included) for starting/charging and current draw tests.

Product Features:
- Amp-Clamp Connection – allows current drain tests and starting/charging analysis.
- Tests Both FLA (flooded lead acid) and AGM (absorbed glass mat) battery types.
- Scales – CCA, CA, AHR, MCA, JIS, DIN.
- User Definable – print header and footer.
- Removable Test Cables – easily field replaceable.
- PC Interface Port – allows for field updateable software.
- IR Compatible – allows optional infrared wireless printer.
- Readout Display – backlit for low light conditions, easy to view data in direct sunlight (4 x 20 character display).
- Security Cable Connection – protects against stolen or dropped units.
- Over-molded Surround with Soft-Touch Keys – ruggedly built, easy to use, even with gloves.

3181 130-Amp Heavy-Duty Battery Load Tester
Applying an industry-leading 130-amp load, this ergonomically designed, heavy-duty battery tester provides accurate, reliable test results in just 10 seconds. It includes uniquely designed clamps for a positive grip on top- and side-post batteries and an extra-large, easy-to-read display.

Product Features:
- 130-amp load capacity for accurate results.
- 0–16 volt range.
- Uniquely designed clamps for both top- and side-post batteries.
- Extra-large display with zero adjust.
- Works on both 6V and 12V batteries.
- Side tabs for on-tool clamp storage.
- Back brackets for tool storage on wall or toolbox.

A/C Recovery & Recycling
34288 – Combines simple operation with superior accuracy. It recovers, recycles, evacuates, leak tests, and recharges R-134A quickly and accurately. Meets SAE J-2788 standards for accuracy: 95% refrigerant recovery and charging to +/- 1/2 oz.

34788NI – Recover, recycle, evacuate, leak-test and recharge R-134a vehicle A/C systems. Features a larger graphical display, leak testing, automatic refrigerant refill and automated oil drain/inject – putting A/C lubricant back into the system. 34788NI boasts an ability to add a printer and refrigerant identifier. An optional refrigerant charge and oil capacities database is available for North American market vehicles.

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: Less than 1% cross-contamination.
- Visual & Audible Alarm: Notifies the user when service is complete, or if a problem has occurred.
- Vacuum Leak Test: Monitors level after evacuation, informs of possible leak.
- Automatic Air Purge: Eliminates damaging air without monitoring gauges or opening valves.
- Automatic Refrigerant Refill: Maintains a user-selectable amount of refrigerant in an internal vessel and signals with it’s time to change supply tank, no monitoring required.
- Vacuum Feature: Defaults to 15 mins, programmable up to 99 mins. “Remaining time” is displayed.
- Display: Multilingual.
- Refrigerant Charging: Select a charge mode from high or low side.
- Refrigerant Management System: Displays refrigerant use and monitors remaining filter life. Prompts appear when 1/3 of filter life remains.

3169 – Infrared wireless printer
Recoverers, Recycles, Evacuates, and Recharges R-12, R-134a, R-22, R-502, MP and HP Blends—and many more!

Design certified by UL to meet SAE J-1770.

One piece of equipment is all you need for A/C and refrigeration service. Also great for in-plant maintenance!

17800B
Multiple Refrigerant Recovery, Recycling, and Recharging Machine
The 17800B recovers, evacuates and recharges—all in one fast, continuous operation through one hook-up. It’s ideal for refrigerated trailers, buses, RVs, and other vehicles that use more than one refrigerant. The Multi RRR machine is also great for fleet maintenance, covering a variety of makes and models since it has both R-12 and R-134a capabilities. In-plant maintenance departments will find it can handle the different types of refrigerants used in various systems.

Proven technology simplifies service!
Microprocessor—Controls functions; prompts lead you through programming and also signal when it’s time to change the filter-drier, vacuum pump oil, and compressor oil.

Float Chamber—Automatically adjusts from liquid to vapor for most efficient recovery.

Electronic Scale—Makes it simple to recharge to factory specifications; also weighs recovered refrigerant and provides tank overfill protection.

CoolTech Vacuum Pump—6 CFM has the capacity to thoroughly evacuate the system, readying it for recharging.

Versatility for many types of systems!

Lockout Panel—Prevents mixing of refrigerants; rotates to one side for 1/4" fittings and to the other for 1/2" Acme fittings.

Single-Pass Recycling—Makes an initial pass through the filter-drier; additional recycling can be programmed in case of compressor burn-out, or other conditions.

Heavy-Duty Filter-Drier—Removes moisture and acid from the refrigerant; can handle up to 200 pounds between change-overs. Comes with two 50 pound tanks, one with 1/4" fittings and the other with 1/2" Acme fittings. Also three sets of charging hoses are included—one for R-12, one for automotive R-134a (with field service couplers), and one for other refrigerants using 1/4" SAE fittings.

International Models

17801B—220–240V 50 Hz, readout in kilograms

Specifications

| Voltage  | 115V 60 Hz |
|--------------------------------------|
| Tanks                                  |
| Two 50 lb. (23 kg) refillable          |
| Operating Range:                     |
| 50°F to 105°F (11°F to 41°C)          |
| Recovery Rate:                        |
| Vapor — 1/2 lb/min. (2 kg/min.) Liquid — 1 lb/min. (4 kg/min.) |
| Recycling Rate:                       |
| 4 lbs/min. (1.8 kg/min.) flow rate     |
| Recycling Filter-Drier:               |
| 1150 g XH-9                           |
| Pump Free Air Displacement:           |
| 6 cm (142 l/min) at 50 Hz             |
| Dimensions:                          |
| 47" H x 26" W x 33" D (119 cm x 66 cm x 84 cm) |
| Weight:                               |
| 256 lbs. (116 kg) without tank        |

Works on both pressurized and non-pressurized cooling systems.

Increase Your Profits
Our 10-minute exchange process means no more waiting for the engine to warm up!

Coolant Exchange Unit
Designed with the user in mind.

Safety First
- Our "engine off" feature removes pulleys, belts, and fan blades from the safety equation.
- No additional ventilation required.
- Vacuum mode creates a “push/pull” exchange process allowing the technician to safely remove high pressure in a hot system.
- “Hands-off” transfer of used coolant to a bulk tank prevents spills and helps protect the technician.

Simple to Operate
- Two clearly marked valves and an easy-to-read gauge make this machine very simple to use.
- Sight glass clearly shows the amount of coolant in the waste tank.
- One valve controls the flow of coolant; process is easy to understand—no special training needed.
- No electricity required. 90 psi shop air drives the exchange process, as well as the 2 gpm pump on the waste tank.

Designed to Survive
- Impact-resistant polypropylene cabinet will not scratch or dent vehicle.
- Cabinet is impervious to chemicals commonly used in the shop.
- Large, inflatable tires carry a well-balanced platform easily across any shop floor.
- Easy to maneuver between bays and vehicles.

Extra Design Features
- Two external new coolant supply tanks allow on-board storage of two different coolant types.
- Graduations on tanks show user the amount of new coolant on board.
- On-board storage of step adapters.
- Adapter kit included.
- No hoses to cut.
- 96” hoses can be neatly stored on unit.
- One-year warranty.

Replacement Parts and Accessories

75360—Heavy-duty adapter kit. Links the two tanks for 14 gal. capacity to service class A vehicles. (Note: must have 7-gallon tank No. 75370).

75370—Replacement coolant 7-gallon tank

17490—Protect your investment with a heavy-duty vinyl dust cover

Specifications

Power Supply—90 psi shop air
Tanks—Internal waste — 15-gallon capacity
- External supply (2) 7-gallon capacity (removable)
Dimensions: 47” H x 26” W x 33” D (119 cm x 66 cm x 84 cm)
Medium Step Adapter—Two included; fits hose size 1-1/4”, 1-3/8”, and 1-1/2" Large Step Adapter—Two included; fits hose size 1-3/4”, 2”, and 2-1/4”
### DIESEL COMPRESSION TESTERS
- 12V–24V Truck Circuit Tester 2
- 24' jumper leads 2
- Cummins Diesel Fuel Injector Remover Kit 3
- Detroit Diesel Injector Socket 3
- Diesel Compression Tester with Adapters 2
- Diesel Fuel Pressure Gauge 3
- Diesel Fuel Pressure Tester 2
- Diesel Glow Plug Tester 2
- Ford 5-pin Connector Harness for Glow Plug Testing 3
- Ford Diesel Compression Test Adapter 2
- Ford Diesel Compression Test Adapter 2
- Ford High Pressure Oil Line Disconnect Tool 3
- Ford Injector Remover / Installer Kit 3
- Ford Rear Main Oil Seal Kit 3
- Glow Plug Remover 3
- GM Duramax Injector Pullers 3
- Multi-Application Digital Pressure and Temperature Analyzer 2

### INJECTOR REMOVER / INSTALLERS
- Cummins Engine Barring Tool 3
- Diesel Engine Barring Socket 3
- GM Injection Pump Wrench Set 3

### OIL FILTER WRENCHES
- 17-1/2 Ton Hydraulic Sleeve Puller Set 5
- Adjustable Gland Nut Wrench 4
- Adjustable Oil Filter Pliers 4
- C-Frame Press 4
- Giant Adjustable Wrenches 4
- Gland Nut Wrench 4
- Heavy-Duty Drain Plug Pro™ 4
- Heavy-Duty Oil Filter Wrenches 4
- Heavy-Duty Snap Ring Pliers Set (2 piece) 4
- Installing Conversion Kit for 1200 Set 5
- Manual Sleeve Puller Set 5
- Retaining Ring Pliers 4
- Sleeve Puller / Installer Sets 5
- Slide Hammer Puller 4
- U-Joint Service Adapter 4
- Universal Filter Wrench 4

### SLEEVE PULLER / INSTALLERS
- Sleeve Removal Plates 5
- Universal Puller for Wet-Type Sleeves 5

### HEAVY DUTY TOOLS
- Charged Air Cooler Tester 6
- Clutch-Adjusting Wrench 6
- Compressor Drive-Gear Coupling Puller 6
- Cummins Diesel Injector Timing Kit 6
- Cummins Drive-Pulley Tool Set 6
- Cummins Engine Turning Tool 6
- Cummins Water Pump Pulley Tool 6
- Cylinder Liner Height Gauge with Hold-Down Bar 6
- Heavy-Duty Bearing Cup Installer 7
- Heavy-Duty Bearing Cup Installer 7
- Heavy-Duty U-Joint Puller 7
- Oil Seal and Wear Ring Installer 6
- Pilot Bearing Pullers 6
- Self-Adjusting Clutch Rotating Tool 6
- Sleeve Installation Plates 6
- Truck Clutch Adjustment Set 7
- Truck Clutch Alignment Shafts 7
- U-Joint Tool 7

### CLUTCH / U-JOINT TOOLS
- Clutch Service Set 7
- U-Joint Puller 7

### HEAVY DUTY LOCKNUT SOCKETS
- Budd Wheel Socket Set 9
- Hubcap Installer 8
- Jimmy Bar 9
- Lug Nut Cap Remover 8
- Lug Nut Cap Remover Locking Pliers 8
- Metric Truck Wheel Bearing Locknut Socket 8
- Truck Pinion Set 9
- Truck Wheel Bearing Locknut Socket (6-pt) 8
- Tubular Spanner Wrenches 9
- Wheel Bearing Locknut Socket 9
- Wheel Bearing Locknuts (8 pt.) 9

### STEERING / SUSPENSION TOOLS
- Brake Anchor Pin and Bushing Service Set 11
- Differential Housing Spreader 10
- Heavy-Duty Power Steering Pump Analyzer 10
- Hub Oil Seal Puller 11
- Kingpin & Brake Anchor Pin Pusher 10
- Mack Kingpin Socket 10
- S-Cam Air Brake Spring Tool 11
- Slack Check 10
- Tie Rod Socket for Medium-Duty Trucks 10
- Truck Front Leaf Spring, Pin, and Bushing Service Set 11
- Truck Tie Rod Socket 10
- Universal Bearing Cup Installer 11
- Wheel Stud Service Kit 10

### BRAKE TOOLS
- Air Brake Service Kit 11
- Axle-Stud Cone Pliers 11
- Clevis Pin Press 11
- Slack Adjuster Pullers 11

### BRAKE / TRANSMISSION TOOLS
- 70 mm Hex Socket 13
- Auxiliary Countershaft Shim Tool 13
- Bearing Driver 12
- Bearing Puller Set 12
- Bearing Puller Set 12
- Caterpillar Fuel Injector Nozzle Puller 13
- Countershaft Bearing Driver 12
- Countershaft Pushing Tool 12
- Cummins® Fuel Injector Puller Adapter 13
- Cummins® Injector Puller 13
- Cummins® Injector Remover / Installer 13
- Fuel Injector Nozzle Puller 13
- Heavy-Duty Brake Spring Pliers 12
- Hydraulic Brake Spring Tool 12
- Lucas Rear Brake Adjusting Tool 12
- Mack Fuel Injector Nozzle Tool 13
- Transmission Timing Block Sets 12
- Truck Brake Spring Pliers 12
- Truck Transmission Bearing Service Set 12

### FUEL INJECTION TOOLS
- Bosch Nozzle Socket 13
- Diesel Fuel Line Wrenches 13
- Ford Fuel Injector Puller Adapter 13
- Fuel Injector Pump Pulling Tool 13
- Injector Sleeve Set 13

### NOZZLE TESTERS
- Calibration Fluid 15
- Davco Diesel Filter Wrenches 15
- Duramax Water Sensor Wrench 15
- Nozfrater Diesel Injector Nozzle Tester 15
- Nozzle-Tester Adapter Set 14
- Nozzle Tester Manifold/Adapter Sets 15

### OIL FILTER CRUSHERS/FLUID RECEIVERS
- 10-Ton Capacity, Air-operated
- Automotive Oil Filter Crusher 16
- 25-Ton Capacity HD Oil Filter Crusher 16
- 25-Ton Capacity High-Speed Heavy-Duty Automotive Oil Filter Crusher 16
- End Bushing Adapter Puller Set 17
- Hendrickson Basic Tooling Set 17
- Low Profile Fluid Receiver 16
- R400 Center Bushing Adapter Set 17
- Transfer Tankers 16

### BUSHING SERVICE
- Bronze Center Bushing Service Set 18
- Center and End Bushing Tool Set 18
- Center and End Bushing Puller Set for Hendrickson Truck Suspensions 18
- Hendrickson Truck Service Kit Set 18
- Hendrickson Bar Pin Adapter Set 19
- Hendrickson Primax Quick Alignment Socket 19
- Hendrickson PRIMAAX® Quick Wrench 19
- Hendrickson Suspension Bar Pin End Bushing Adapter Set 19
- Hydraulic Flow Testers 19

### HYDRAULIC FLOW TESTING PRODUCTS
- 16 gpm Flow Block 21
- 50 gpm Mechanical Hydraulic Flow Meter 20
- 100 gpm Digital Hydraulic Flow Meter 20
- 100 gpm Digital Hydraulic Flow Test Kit 20
- Deluxe 100 gpm Hydraulic Flow Measurement Set 21
- Long Cable and Hose Set 21

### HYDRAULIC FLOW TESTING PRODUCTS
- Flow Block with Loading Valve 21
- Hydraulic Flow Measurement 21
- Digital Readout 21
- Short Cable 21

### POWER TRAIN LIFTS / TRANSMISSION JACKS
- 1,000 lb. Capacity DriveMaster™ 22
- 2,200 lb. Capacity Low-Lift Transmission Jack 22
- 10-Ton Capacity Lifting System (Includes two lifts) 23
- 10-Ton Combination Air Lift & Support Stand 23
- Air-Assisted 2,000 lb. Capacity High-Lift Transmission Jack... or Trucks & Buses 22
- Heavy-Duty 2,000 lb. Capacity Low-Lift Transmission Jack... for Class 7 and 8 Trucks 22
- Truck Clutch & Flywheel Handler 23
## Heavy Duty Tools & Equipment

### Clutch / Air Lifts
- 4-Ton Capacity Fork Lift Jack ........................................ 23
- 4-Ton Capacity Fork Lift ............................................. 23
- 10-Ton Air Lift .......................................................... 23

### Under Axle Jacks
- 3-Stage Under-Axle Jack .............................................. 24
- 5-Ton and 10-Ton Air/Hydraulic Service Jacks .......... 25
- 5-Ton and 10-Ton Service Jacks ..................................... 25
- 6-10 Ton Capacity Air/Hydraulic Service Jack .......... 24
- 6-10 Ton Heavy-Duty Service Jack ................................. 25
- 20-Ton Capacity Service Jack ........................................ 25
- 22-Ton Capacity Under-Axle Jack .................................. 24
- 27.5-Ton Under Axle Jack ............................................. 24

### Service Jacks

#### Engine Stands / Adapter Plates
- 2,000 lb. Capacity Heavy-Duty Motor-Rotor® Repair Stand ...... 27
- 3- and 6-Ton Capacity Ratcheting Jack Stands ................. 27
- 10-Ton Capacity Ratcheting Jack Stands (pair) ............... 27
- 6,000 lb. Revolver® Diesel Engine Stand ....................... 26
- OTC Stinger 3-Ton, 6-Ton and 12-Ton Jack Stands .......... 27
- Revolver® Engine Adapter Plates ................................... 26

#### Engine / Jack Stands
- 12-Ton Capacity High profile Jack Stand (One only) .......... 27
- 12-Ton Capacity Low profile Jack Stand (One only) .......... 27
- 22-Ton Capacity Jack Stands ......................................... 27
- Extension Tubes for 1778B and 1779B Jack Stands .......... 27
- Heavy-Duty 20-Ton Capacity Adjustable Support (One only) .. 27

### Bottle Jacks
- 20-Ton Truck Ramps ................................................... 29
- Air/Hydraulic Bottle Jacks ............................................. 28
- Back Buddy™ II .......................................................... 29
- Bottle Jacks .............................................................. 28
- Brake Drum Dolly ....................................................... 29
- Brake Drum Dolly ....................................................... 29
- Easy Lever Wheel Dollies ............................................. 29
- Heavy-Duty Wheel Step .............................................. 28

### Wheel Service
- 1,100 lb. Capacity High-Lift Dual Wheel Dolly .................. 29
- 1,500 lb. Dual Wheel Dolly ........................................... 29
- Truck Dual Wheel Dolly .............................................. 29

### Tire Service
- Tire Bead Seater ........................................................ 30
- Hammer & Tire Service Display Rack .............................. 30
- HD Sliding Tire Spoons ............................................... 31
- Sliding Bead Breaker ................................................... 31
- Tire Bead Seater ........................................................ 30
- Tire Bead Seater ........................................................ 30
- Tire Service Display ................................................... 30
- Tire Spoon Rack ......................................................... 30

### Heavy Duty Tools
- Accutork®/TM Clikker Torque Wrenches ......................... 33
- Hands Free Air Chuck ............................................... 32
- Inside Dual Wheel Bead Breaker .................................... 32
- Lug Nut Cap Remover .................................................. 32
- Lug Nut Cap Remover Locking Pliers .............................. 32
- Tire Bead Breaker ....................................................... 32
- Tire Bead Locking Pliers ............................................. 33
- Tire Bead Wedge Pliers ............................................... 33
- Tire Service Hammers, Indestructible Handle ................. 32
- Tire Spoon Holding Pliers ............................................ 33
- Tire Valve Stem Punch Kit ........................................... 32
- Torque Multiplier, 1000 lb.-ft. ...................................... 33
- Torque Multiplier, 2000 lb.-ft. ...................................... 33
- Wheel Loader & Tipper ................................................ 32
- Wheel Tippers .......................................................... 33

### Floor Cranes
- Folding Floor Cranes .................................................. 35
- Heavy-Duty Floor Cranes ............................................. 34
- Heavy-Duty Mobile Floor Cranes ................................... 34
- Alloy Chains for Overhead Lifts and Hoists ................. 35
- Load Leveler ............................................................. 35

### Floor Cranes / Accessories
- 1,500 lb. Capacity Engine Load Leveler ........................... 35
- 4,000 lb. Capacity Lifting Brackets (pair) ...................... 35
- Heavy-Duty Adjustable Slings ...................................... 35

### Presses
- 10-Ton Portable Hydraulic C-Frame Press ....................... 36
- 16-1/2 Ton Capacity Bench Press .................................. 36
- 17-1/2 Ton Capacity Heavy-Duty "Open Throat" Press ....... 36
- 25-Ton Capacity Heavy-Duty "Open Throat" Press .......... 36
- 25-Ton Capacity Shop Presses ..................................... 37
- 55-Ton Capacity Economy Shop Presses ......................... 37
- 55-Ton Capacity Heavy-Duty Presses ............................. 37
- 100-Ton Capacity Economy Shop Press ........................ 37

### Presses / Accessories
- 10-Ton Collision Repair Set ......................................... 39
- 10-Ton Collision Repair Sets ........................................ 39
- 17-1/2 -Ton Press Accessory Set .................................. 38
- 25-Ton Press Accessory Set ......................................... 38
- 55-Ton Press Accessory Set ......................................... 38
- 100-Ton Capacity Heavy-Duty Shop Presses .................... 38
- 100-Ton Presses Accessory Set .................................... 38
- Engine Preluber Kit .................................................... 39
- Handled Pry Bars ....................................................... 39
- Universal Outside Thread Chaser .................................. 39

### Collision Repair Sets
- 1-ton Capacity Hydraulic Spreader ................................ 39
- Air/Hydraulic Pump .................................................... 39
- Power Twin Ram and Pump Set .................................... 39
- Pumps and Rams ....................................................... 39

### DPF Equipment
- Horizontal DPF Handler ............................................. 41
- OTC 5280 Diesel Particulate Filter Cleaner .................... 41
- OTC DPF Thermal Processing Unit ............................... 41
- Portable Diesel Particulate Filter Cleaner ..................... 40

### Genisys EVO® HD Standard
- DEF Refractometer ..................................................... 42
- Digital DEF Tester ..................................................... 42
- Genisys EVO® USA Deluxe with Heavy Duty Standard Kit .. 42
- Genisys Heavy-Duty Starter Kit .................................... 42
- Genisys Touch Heavy-Duty Standard ............................ 42
- HD Scan Software ..................................................... 43
- HD Scan with Ez-Tap .................................................. 43
- HD Scan with Ez-Tap Extended Range .......................... 43

### Heavy Duty Scan
- Brake-Link™ .............................................................. 46
- Ez-Tap Wireless Diagnostic Hardware Kit ....................... 44
- Ez-TAP Wireless VCI .................................................. 44
- HD Digital Multimeter ............................................... 46
- Heavy Duty Digital Multimeter .................................... 44
- OTC Heavy-Duty Code Reader .................................... 45
- OTC Heavy-Duty Scan Tool .......................................... 45
- Pocket IQ™ ............................................................... 46
- Pro-Link® IQ .............................................................. 46

### Leak Detection
- EVAP – Leak Detection System .................................... 47

### Diesel Emission Tester
- Sabre Heavy-Duty Battery & Electrical System Diagnostic Tester .................................................. 49
- Smoke Check 1667 Diesel Emission Tester ..................... 48

### Battery Tester
- 130-Amp Heavy-Duty Battery Load Tester ....................... 49

### A/C & Coolant Service
- A/C Recovery & Recycling .......................................... 49
- Coolant Exchange Unit ............................................... 50
- Multi-Refrigerant Recovery, Recycling, and Recharging Machine .................................................. 50
<table>
<thead>
<tr>
<th>NUMERICAL INDEX</th>
<th>HEAVY DUTY TOOLS &amp; EQUIPMENT</th>
</tr>
</thead>
<tbody>
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