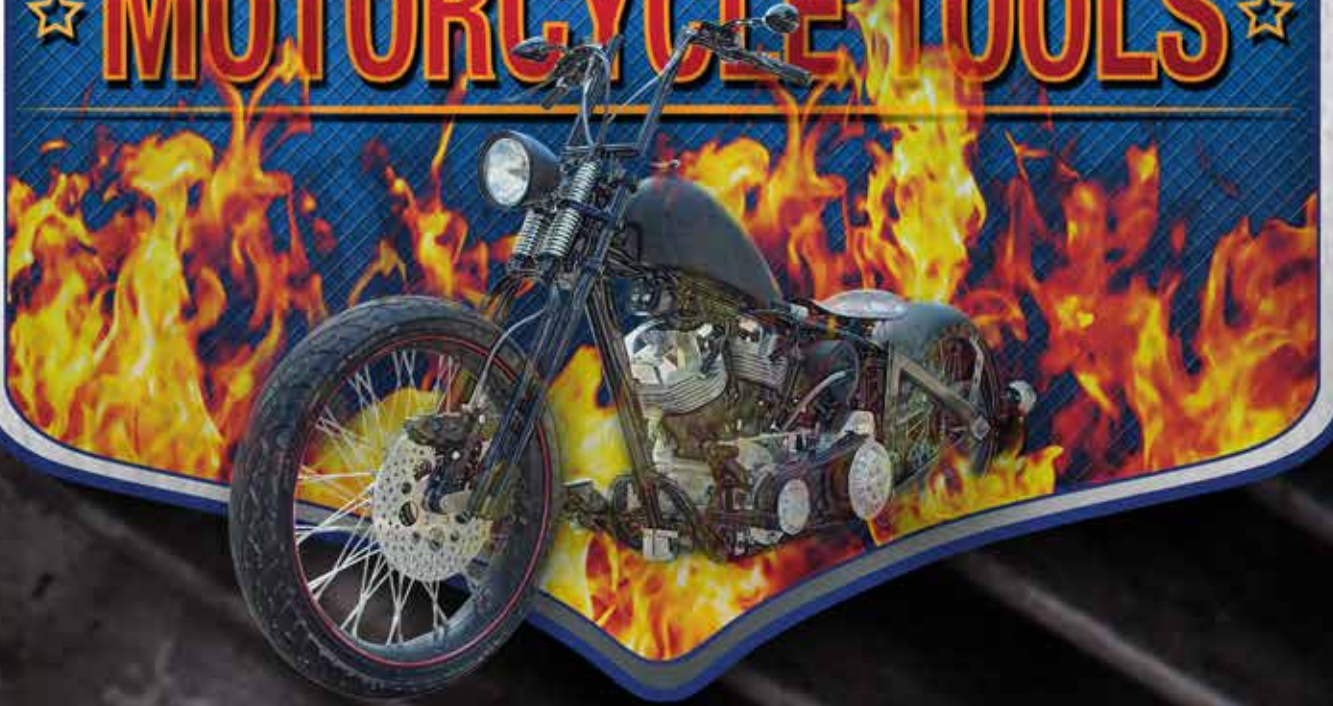


**OTC**<sup>®</sup>

GENUINE TOOLS SINCE 1925 • DWATONNA, MINNESOTA

☆ **MOTORCYCLE TOOLS** ☆





**4565**  
**Swivel Handle Oil Filter Wrench**

- Fits filters ranging from 2-1/2" to 3-1/8" (64 mm to 80 mm) in diameter.
- Features a 1" wide stainless steel band for positive grip on the filter; swivel handle makes it easy to turn filters in hard-to-reach areas.

**4568**  
**Oil Filter Wrench, 2 way, 3 leg**

- Fits filters ranging from 2-1/2" to 5-1/4" (65 mm to 135 mm) in diameter.
- To turn the tool, use a 1/2" ratchet in the ratchet drive or a 13/16" wrench on the nut.
- Knurled legs provide extra gripping power.



**4896**  
**Oil Filter Ring**

- Slim wrench provides clearance around oil coolers and crank position sensor. Use on 14 flute HD filters. 3/8" square drive.



**6901**  
**Oil Filter Socket**

- Fits Wix oil filters on S&S Engine applications, as well as other filters with 74mm x 15 flutes.



**6905**  
**Oil Filter Socket**

- Fits Polaris oil filters, as well as other filters with 66.5mm x 14 flutes.



**4898**  
**Oil Filter Socket**

- Fits Polaris oil filters, as well as other filters with 64mm x 14 flutes. Similar to Polaris No. PU-50105.



Strong magnetic end.

**5911**  
**OTC Drain Plug Pro™**

- Remove oil drain plug without touching the plug or hot oil.
- No touching HOT plug.
- No hot oil on hands.
- No dropping of plug in HOT oil.
- No oil soaked gloves.
- Just magnetically attach DRAIN PLUG PRO™ to pre-loosened drain plug and rotate to remove plug.



**4848**  
**Flexible Spout Funnel**

Many oil, transmission, and coolant fluid fill caps are located in hard to access areas. This aluminum 5 1/2" funnel features a removable debris screen in the base flowing to a 25" flexible spout designed to reach these difficult fill locations.

**4521**  
**Hose Removal Tool**

- Unique tip easily fits between hose and fitting to break stubborn hoses loose.
- Large handle provides a reliable grip on tool during hose removal.
- Works on fuel and oil lines – any place a rubber hose is clamped to a fitting.



**8260**  
**Hose Removal Set (6-piece)**

- Consisting of six (6) hose removal tools which consists of three (3) 10", soft-handled tools and three (3) 15", soft-handled tools, each with a hard end-cap.
- They are made of heat-treated, chrome steel with assorted tip shapes.
- Ergonomic handle design fits properly in the hand, allowing for easier holding of the tool.
- Hose removal tools can also be used on upper and lower radiator hoses, clips, washers, gaskets and other items.
- Packaged in a molded tray.

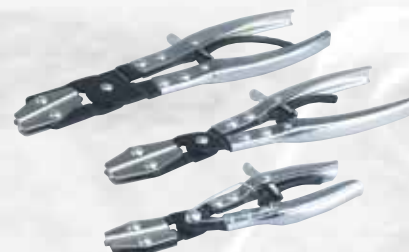


**4496**  
**Hose Clamp Pliers Set**

Contains five different styles of hose clamp pliers, which will service most flat-band and ring-style hose clamps. Also contains a hose removal tool.

**Set Contains:**

- Straight hose clamp pliers set
- Hose removal tool
- Flat-type hose clamp pliers
- Offset hose clamp pliers
- 45° hose clamp pliers



**4510**  
**Hose Pinch Off Pliers Set, 3 Piece**

- Shuts off flow through vacuum lines, fuel lines, coolant lines, etc.
- Cocking ratchet mechanism holds pivoting jaws tightly in place. Heavy-duty swivel jaws pivot to assure parallel pinching.
- Available separately:

**4510-8** – 8" tool for small hoses and tight areas.

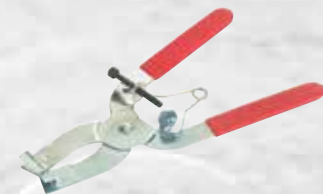
**4510-10** – 10" tool for radiator and vacuum lines.

**4510-12** – 12" tool for radiator and vacuum lines.



**4522**  
**Vacuum Hose & Fuel Line Removal Tool**

Designed to remove vacuum hose or fuel lines (3/16" to 1/2") from fittings or tubing.



**4839**  
**Adjustable Piston Ring Expander Pliers**

These simple pliers include tips designed to capture the ends of piston rings to hold and expand them securely while installing onto pistons.



**4437**  
**Sensor Socket Set (8-Piece)**

- Includes:
- 4673-1** – 29 mm Vacuum Switch and O2 Socket, 1/2" Drive.
  - 4673-2** – 7/8" Vacuum Switch and O2 Socket (wide slot), 3/8" Drive.
  - 4673-3** – 27 mm Thermal Sensor Switch, 1/2" Drive.
  - 4673-4** – 7/8" Vacuum Switch and O2 Socket (narrow slot), 3/8" Drive.
  - 4673-5** – 1-1/16" & 1" Oil Pressure Sending Unit Socket, 3/8" Drive.
  - 4673-6** – 7/8" O2 Sensor Socket, offset 1/2" Drive.
  - 4673-7** – 7/8" O2 Sensor Socket (low profile), offset 3/8" Drive.
  - 4437-8** – 1-1/16" and 1" Oil Pressure Socket (short access), 3/8" Drive



**4480**  
**Basic Fuel Injection Service Kit**

Performs running, residual, rail and flow rate pressure tests on fuel injected engines. Kit includes adapters, hoses, fittings, and a professional dual scale gauge that reads 0-100 PSI and 0-700 kPa with relief valve. All packaged in a professional, heavy-duty, blow molded carrying case.



**7991**  
**Cooling System Pressure Tester**

Now you can pressure test the cooling system on motorcycles, ATVs, and even snowmobile applications. The tester's universal fit eliminates the need for multiple adapters.

**4838**  
**Piston Ring Compressor Set, 6 Piece**

This 6 ring set covers 2-7/8" thru 4-3/8" piston diameters. The ring compressor pliers feature a ratcheting lock to hold the handles in position for easy piston installation.



**4840**  
**Piston Ring Compressor Set with Ring Expander**

This complete set includes 12 chrome plated compressor sleeves covering 1-3/8" thru 4-3/8" diameter piston applications. Both the ring compressor and ring expander pliers feature a ratcheting lock to hold the handles in position for easy piston and ring installation. Complete with a metal carry case.



**4842**  
**Heavy Duty Valve Spring Compressor**

Used to compress valve springs for removal or installation. The heavy duty C-frame has a 9" opening and a 5" throat. Kit includes 16mm, 19mm, 23mm, 25mm, and 30mm valve spring retainer adapters.



**4572**  
**Valve Spring Compressor**

- Designed to compress valve springs on overhead valve engines.
- Includes two valve spring adapters, which fit valve spring retainers up to 1" (25 mm) and 1-3/16" (30 mm).
- Unique, direct action compressor lever gives better visibility of valve spring retainers located in difficult access areas.
- Jaw opening of 1-3/8" to 5-5/8" (35 mm to 142 mm); throat clearance of 5-7/8" (150 mm).



**4875**  
**Cam/Crank Locking Tool**

- Designed to lock the cam and crank sprockets together for removal, replacement and proper torquing of the sprocket bolts.

**Application**

- Dyna 2006 & Later
- Similar to HD-47941.



**4876**  
**Cam/Crank Locking Tool**

- Designed to lock the cam and crank sprockets together for removal, replacement and proper torquing of the sprocket bolts.

**Application;**

- Twin Cam 88/B 1999 & Later
- Similar to HD-42314.



**4844**  
**Cam/Crank Locking Tool, Twin Cam & Dyna**

- Designed to lock the cam and crank sprockets together for removal, replacement and proper torquing of the sprocket bolts.
- Double end design covers;
- Twin Cam 88/B 1999 & Later
- Dyna 2006 & Later



**4849**  
**Cam Chain Tensioner Unloader Tool**

- These tools are used to unload the pressure of the primary and secondary chain tensioners when servicing HD Twin Cam 88 engines.
- Tools can also be used to check spring loads on chain tensioners.
- Applications include 99-06 FL, 99-05 FXD, 00-06 FXST.
- Similar to HD-42313.



**7419**  
**Timing Tensioner Locking Pin Set**

- This pin set is used to lock timing belt or chain tensioners once they have been compressed, required during the service procedure.
- Once the belt or chain service is complete, the pin is simply pulled out to return the tensioner to functional.
- 6 pin set with clip to cover most all applications.

**6589**  
**Electronic Ignition Spark Tester**

Use to quickly check spark on 2 and 4 stroke gasoline engines with electronic ignition systems.



**4723**  
**Ear Type Clamp Pliers**

- Used to crimp the type of clamps used on fuel and cooling system hoses.
- Ensures even, precise crimping, and eliminates possibility of damage to the clamp, boot, or hose.

**4847**  
**Twin Cam Inner Cam Bearing Remover/Installer Kit**

- This kit contains the tools to remove and install inner cam bearings without damage to the crankcase.
- The bearing puller is designed to trap the needle bearings and keep them from falling into the crankcase.
- The installation tools are designed to press on the outer most diameter of the bearing, eliminating damage to the bearing, cam, or case. The press adapter will also set the bearing to its proper depth.
- Similar to HD-42325-B.



**4845**  
**Wrist Pin Installer & Remover Tool**

- Removes and installs piston wrist pins without having to hold the piston in position and use a drift.
- Applications include HD stock and aftermarket engines, including Twin Cam, and other engine makes with similar piston pin diameter sizes.



**4846**  
**Tappet Block Alignment Set**

- These adapter screws provide perfect alignment of the oil hole from the crank case to the tappet block on Shovel and Evo style engines.
- Align rocker boxes on Evo heads.
- Also align twin cam oil pump.
- Applications include all HD Big Twin single cam engines, stock and aftermarket, 76 – Present.
- Similar to HD-33443.

**4851**  
**Tappet Oil Filter Screen Plug Tool**

- A simple tool to remove the tappet oil filter screen plug without removing the exhaust pipes on HD applications. Can also be used on any slot type plug.



**4866**  
**Timing Plug**

- This threaded clear acrylic timing plug used in conjunction with a timing light allows for viewing the crankshaft timing marks without oil spraying out of the crankcase, typical during full advance RPM.
- Fits all HD models.
- Similar to HD-96295-65D.



**4948**  
**Water Pump Drive & Rotor Puller**

- Installs the water pump drive gear on the rotor and removes the rotor from the crankshaft. This tool also works on RZR XP.
- Similar to Polaris No. PA-49316.



**5604**

**Motorcycle Compression Tester Kit**

Designed specifically for testing motorcycle and small engines, this kit features a specially designed compression gauge and hose assembly, plus three different size hose adapters. Compression Tester and hose lengths are designed for optimal viewing along side engine. Covers most popular motorcycle and small engine plug sizes.

**Features and benefits:**

- Corrosion resistant nickel plated finish
- 10" flex hose gauge assembly with quick coupler.
- 2-1/2" gauge features chrome bezel and rugged protective outer boot
- Dual scale gauge reads 0-300 psi and 0-2100 kPa
- 12" flex hose -14 mm standard/plus reach (extra length supports V-Twin applications)
- 12" flex hose -12 mm standard reach
- 12" flex hose -10 mm standard reach
- Rugged blow molded hard case with removable lid
- Repair parts kit



**5613**

**Vacuum/Pressure Gauge Kit**

Ideal for testing vacuum lines and components. Accurately tests low-pressure fuel systems. Quickly diagnose internal engine problems such as bad rings, valves and leaking head gaskets. Kit comes complete with adapter for most applications. Pin point hard to find problems such as cracked lines.

**Features and benefits:**

- Large 3-1/2" gauge features a chrome bezel and rugged protective outer boot.
- Dual purpose gauge reads vacuum and pressure.
- Dual scale gauge reads 0-30 in. Hg vac and 0-70 cm Hg, also reads 0-15 psi and 0-100 kPa.
- Built in rear hook allows gauge to be hung at eye level.
- Adapters for most applications.
- Blow molded hard case with removable lid.
- Detailed instruction chart.



**5609**

**Cylinder Leakage Tester Kit**

Quickly diagnose internal engine problems such as bad rings, valves and leaking head gaskets. Kit come complete with adapters for most applications.

**Features and benefits:**

- Dual 2-1/2" gauges feature chrome bezel and rugged protective outer boot.
- Scales read 0-100 psi and 0-700 kPa.
- Pressure regulated manifold includes quick couplers.
- Long flex 24" 14 mm hose.
- 10 mm, 12 mm and 18 mm thread adapters.
- Blow molded hard case with removable lid.
- Detailed instruction chart.



**3367**

**Digital Timing Light**

Professional digital timing light has advanced features with a bright LED screen and mode indicator lights.

**Unique features**

- Microprocessor-controlled circuitry.
- LED tachometer display reads 0-9999 rpm.
- LED advance display indicates to 1/10.
- Unique flashlight feature.
- 2/4 cycle and rpm/advance lights.
- Up and down scroll buttons.

**Standard features**

- All metal inductive pickup.
- Reflected, super bright xenon flash.
- Removable leads with positive twist lock connector.
- One touch control.
- Durable, plated ABS housing with over-molded grips.
- Heat resistant over-molding on clips.
- Blow-molded case included.





**4862**  
**5 Speed Main Drive Gear Tool**

- This tool set will remove and install the transmission main drive gear and install the main bearing without removing the transmission. Designed to not damage the bearing or gear during installation.
- Applications include 5 speed Big Twin and aftermarket 6 speed 1980-2006 (ex 06 Dyna and Sportster 91-05).



**4860**  
**Transmission & Steering Bearing Puller/Installer Kit**

- This combination kit works on transmission main-shaft and steering stem bearings on HD motorcycles.
- Removes; Fork stem bearings on most applications. Flywheel bearing 00-03 XL. Removes/Installs; Inner bearing race on trans main-shaft Big twin 84 & later.
- Aftermarket trans main-shaft bearings & bushings on 5 & 6 spd. LSD and RSD trans.



**4742**  
**Flywheel Puller Kit**

- Developed for many small engines in the ATV, and Motorcycle service markets, these tools are machined from high quality tool grade steel and are packaged in a convenient blow-molded case.
- Each part is marked with size for reference and has a corresponding location in the storage case.
- Works on many makes like Honda, Suzuki, Kawasaki, Yamaha, Ducati and others. For street, performance or off-road.

**4864-1**  
**Flywheel Puller**

- M33x1.5 RH Internal threads.
- Applications**
  - KTM 625 SMC 2006, 640 LC4 Adventure 04-07, 640 LC4E 2001, 690 RFR 2008
  - Suzuki GSXR 1000 01-08, GSXR 600 01-09, GSXR 750 00-08
  - Yamaha WR 450F 04-08, YFZ 450 04-09.



**4864-6**  
**Flywheel Puller**

- M38x1.5 RH Internal threads.
- Includes crankshaft protector.
- Applications**
  - Arctic Cat DVX 400 04-07
  - Kawasaki KLX & KSF 400 03-06
  - Suzuki AN & LT-Z 400 03-07, DR-Z 250 01-07, LTZ 90 2007, LT-Z 250 04-07, LT-F 300F 99-01, DR-Z 400 01-06, DR-Z 400E 00-07, DR-Z 400S 00-06, DR-Z 400SM 05-07, LT-R 450 06-08.



**4864-2**  
**Flywheel Puller**

- M50x1.5 RH Internal threads
- Includes crankshaft protector.
- Fits Suzuki.



**4864-3**  
**Flywheel Puller**

- M24x1.5 RH Internal threads.
- Includes 12mm shaft protector cap.
- Fits Honda, Kawasaki, and Suzuki motorcycle applications.



**4864-4**  
**Flywheel Puller**

- M26x1.0 RH Internal threads.
- Includes 12mm shaft protector cap.
- Fits KTM 4 stroke motorcycles.



**4864-5**  
**Flywheel Puller**

- M30x1.0RH Internal threads.
- Fits Yamaha WR 250F.



**4800**  
**Clutch Hub and Alternator Puller**

- Removes clutch on Big Twins with 3, 5, and 10 fingers. Also works on Sportster transmission sprocket and clutch. Pulls motor sprockets, alternator covers, and many general pulling applications.



**4850**  
**Flywheel Puller**

- Designed to pull magneto flywheel, clutch hubs, or starter gears. Works on wet or dry clutches. 6x25mm and 8x40mm bolts included.



**4888**  
**Flywheel Socket Set**

- The best flywheel sockets available. These offer a low profile design that provides full nut to socket contact to eliminate rounding off the nut and slippage. Made from heat-treated chrome moly steel.

**Set includes:**

- 4888-1** – Socket fits pinion shaft nut on big twin 81-89. Size 1-1/4" with 1/2" square drive.
- 4888-2** – Socket fits crank pin nut on big twins 54 – early 81. Size 1-5/16" with 1/2" square drive.
- 4888-3** – Socket fits crank pin nut on Sportster 81-99 and Buell 87-99. Can also be used on top fork nut on glide forks. Size 1-3/8" with 1/2" square drive.
- 4888-4** – Socket fits crank pin nut on big twin 83-99 single cam. Size 1-1/2" with 1/2" square drive.
- 4888-5** – Socket fits sprocket shaft nuts on big twins 72-99 single cam. Size 1-5/8" with 3/4" square drive.



**4970**  
**Heavy Duty Flywheel Puller**

- Extremely heavy duty puller to pull the most stubborn flywheels. Includes 2 drive screws and bolts; 8mm x 1.25 x 60mm (3X), 6mm x 1.0 x 55mm (6X), 6mm x 1.0 x 50mm (6X).
- The 6 bolt capable design fits Polaris ATV, Snowmobile, Watercraft and many other makes and models.
- Similar to Polaris No. 2871043-A.

**4858**  
**Clutch Spring Compressor Tool**

This tool will release the clutch spring pressure for easy removal and installation of the retainer ring. Applications include HD big twin 90-97, and includes spring compressor nut for use on XL 91-05 and Buell.



**4992**  
**Clutch Spring Compressor Tool**

- This is a required tool for efficient servicing of HD 1340 cc (80 ci) clutches. The compressor relieves spring pressure for disassembly during servicing. Applications include 1340 cc (80 ci) Models 90-97, Buell 95-Later, XL 91-Later.
- Similar to HD-38515-A.



**4991**  
**Clutch Compressor Tool**

- This universal compressor is used to compress the drive or driven clutch during assembly of disassembly. Innovative design makes use quick and effective without binding. Works on all Polaris and TEAM clutches found on full-sized model ATV, Side x Side, and Snowmobile.
- Similar to Polaris No. PU-50518.



**4971**  
**Clutch Holding Wrench**

- Designed to hold the drive clutch for retainer bolt removal and torquing. For both P-85 and P-90 drive clutches on Polaris ATV & Side x Side.
- Similar to Polaris 9314177-A.



**4972**  
**Drive Clutch Holding Fixture**

For solid holding of drive clutch for spider removal when shimming for belt-to-sheave clearance or servicing spider.

- Bolt to bench or clamp in a vise.
- Contacts all webs for maximum support to eliminate clutch web damage.
- Center hold down for much greater holding stability while applying off center torque.
- Single person operation, even on the most difficult spiders.
- ATV and Ranger applications.
- Similar to Polaris No. 2871358-B.



**4990**  
**Clutch Holding Tool**

- Designed to hold the clutch basket while removing or servicing clutch.
- Fits 00-02 Polaris Xpedition models.
- Similar to Polaris PA-44688.



**4801**  
**Universal Clutch Holder**

Holder arms designed to fit into the external teeth of a clutch hub, but can also be used on gears and sprockets. Opens to handle a 5" OD hub.



**4986**  
**Primary Drive Clutch Puller**

- Removes primary drive clutches on Polaris ATV & Snowmobile 1985-up (except 400, 500, 600, 700, 800 domestic twins, '99 700 & 800 XCR, '99 Trial RMK, & Supersport 550 Fuji). 3/4" - 16 thread, 10-1/2" long.
- Similar to Polaris 2870506.

**4985**  
**Primary Drive Clutch Puller**

- Removes primary drive clutches on Polaris ATV Sportsman 600/700 twin EFI X2 02-08.



**4984**  
**Secondary Drive Clutch Puller**

- Removes secondary drive clutches on Polaris ATV & Side x Side 1985-up. 1" - 12 rolled thread, 5-1/2" total length.
- Similar to Polaris No. 2870913.



**4974**  
**Clutch Puller**

- Removes drive clutches on Polaris Side x Side and Snowmobile.
- Snow Applications: 700/800 XCR Fuji 3 cylinder engines 1999-2001, all Domestic twin 2-strokes model year 2000 and newer, FS/FST models 2006 and newer.
- Side x Side Applications: Ranger RZR XP 2011 and newer.
- 3/4-16 thread.
- Similar to Polaris 2872085.



**4975**  
**Clutch Puller**

- Short puller for removal of the drive clutch from the crankshaft taper on Polaris 550 Sportsman XP 4x4 09-12, 550 Sportsman (all models) 10-12, 570 RZR 4x4 12, 800 RZR 4x4 (all models) 08-12, and Ranger Diesel.
- Similar to Polaris PA-48595.



**4978**  
**Clutch Alignment Tool**

- Establishes correct clutch offset and alignment on Polaris EBS Clutches.
- Similar to Polaris 2872292.



**4979**  
**Clutch Alignment Tool**

- Establishes correct 1/2" clutch offset and alignment on Polaris ATV & Side x Side.
- Similar to Polaris 28870654.



**4980**  
**Clutch Alignment Tool**

- Establishes correct clutch offset and alignment on Polaris P85 Clutches.
- Similar to Polaris 2870426.



**4987**  
**Clutch Spider Nut Socket**

- Used to remove and install the drive clutch spider jam nut on 2011 & newer Ranger RZR XP. Similar to OE P/N PU-50578.
- Similar to Polaris No. PU-50578.



**4988**  
**Clutch Spider Nut Driver**

- Essential when servicing or re-building Polaris clutch. Fit's P85 and P90 clutches found on Polaris ATVs and snowmobiles 1972 to Present. (except 900 RZR XP 4x4 11-12, 900 RZR XP 4 4x4 12).
- Similar to Polaris No. 2870338.



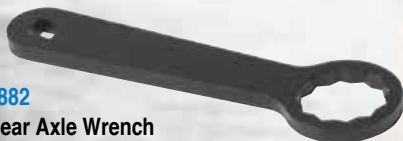
**4989**  
**Clutch Spider Tool**

- Essential when servicing or re-building Polaris clutch. Fit's P85 and P90 clutches found on Polaris ATV, Side x Side, and snowmobiles 1972 to Present.
- Similar to Polaris No. 2870341.



**4880**  
**4-in-1 Hex Axle Tool**

- Fits internal hex on many late model sport bike axles and some dirt bikes.
- Heavy duty CrMo steel construction for shop use.
- Four metric hex sizes: 17 mm, 19 mm, 22 mm and 24 mm.
- 3/8" square drive on both ends.



**4882**  
**Rear Axle Wrench**

- This wrench allows for simple adjustment of drive belt tension or rear wheel alignment.
- Eliminates the need to remove any exhaust components.
- 36mm wrench includes a 1/2" square drive allowing for use with a torque wrench for proper axle torque.
- Similar to HD-47925.



**6673**  
**Belt Tension Gauge**

Belt tension gauges are used to properly check drive belt tension on drive belts to ensure maximum belt and bearing life. This belt tension gauge simply connects to the belt to provide the tension reading. Dual scale reads 30-180 in lbs. (2.5-15 ft. lbs.) and 130-800 Newtons, covering the 10 ft. lb. spec. typically found on rear drive motorcycle belts.



**4748**  
**Belt Tension Gauge**

This easy to use and read tool allows for accurate belt tension to be set after belt replacement, adjustment, or wheel service. Use on secondary drive belts with a 10 lb. spec. Instructions; 1. Position the small O-ring over the 10 lb. mark. 2. Position the U-shaped belt cradle against the bottom of the belt at a 90 degree angle and locate the large O-ring to a reference point, record reading. 3. Push upward on the rubber bumper until the small O-ring touches the bottom of the tool body. Re-align the large O-ring to the reference point, difference in the reading is the belt deflection (refer to service manual for spec.).



**4745**  
**Chain Master Link Clip Tool**

Designed specifically for roller style chains with specialized tips to easily remove and install master link clips. Includes comfort grip handles.



**4746**  
**Chain Master Link Plate Tool**

Tool will remove press-fit master link plates found on many standard and O-ring style roller chains. Will also break 40-60 series chains to add a master link or remove links.



**4744**  
**Chain Breaker and Riveting Tool Kit**

This kit will break, press, and rivet most #25 - #35 and # 428 - #630 standard and O-ring roller chains. Includes HSS rivet tip for riveting hollow nose master links. The hardened steel body has a removable handle for compact storage.



**4738**  
**Chain Breaker & Riveting Tool Kit**

This heavy duty kit makes easy work out of breaking, pressing, and riveting # 415 - # 632 size standard and O-ring chains. The handle can be mounted in 3 different positions on the forged and hardened alloy c-frame, providing access while the chain is on the vehicle. The kit can rivet hollow nose master links as well as hardened pins. Storage case included.



**4739**  
**Chain Brush**

Use to clean and oil various sized roller chains found on motorcycles, ATVs, machinery, etc. Brushes adjust to chain widths ranging from 1/4" to 9/16".



**4749**  
**Chain Alignment Tool**

Designed to simplify the alignment of the countershaft and rear sprocket during chain adjustment or wheel service. Tool clamps to rear sprocket and held with the thumb screw. The rod indicates alignment.





**4758**  
**Motorcycle/ATV Chain Tensioner**

- Tool is designed to work on drive chains found on motorcycles and all-terrain vehicles (ATVs). Fits the following size chains: 428, 520, 525, 528, and 530.
- Tool jaws fit in chain link ends. Tightening the forcing screw pulls the jaws together to hold the chain for easy removal or installation of the chain connector or master link.



**714**  
**Horseshoe Lock Ring Pliers**

These pliers feature 8" handles and are designed to spread and remove horseshoe style lock rings found on engines, transmissions, and chassis.



**7313**  
**Retaining Ring Pliers**

These pliers are 7-3/4" long and are designed to spread and remove retaining rings found on engines, transmissions, and chassis. Maximum spread is 1- 1/16".

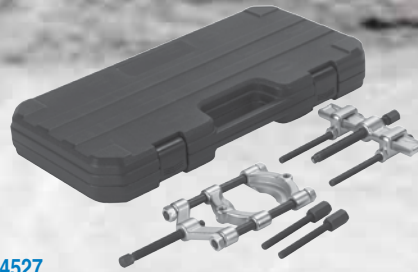


**4623**  
**CV Joint Banding Tool and Cutter**

Use to install and tighten the "band-it" or strap style clamps found on CV joint boots, steering gear boots, or hoses. Tighten the band by turning the handle on the tool; use a socket or wrench on the handle to torque the band to OE specifications. When the boot clamp has been tightened to specs, cut the band to the correct length by flipping the lever (at the front of the tool) forward.

**4721**  
**CV Boot Clamp Cutter**

Designed to easily cut the CV boot clamp without damaging the boot. Will cut boot clamps up to 10 mm wide and .7 mm thick. Handles are spring loaded to the open position to allow easy access to the clamp.



**4527**  
**5-Ton Pressure Beam Bearing Splitter Kit**

Single point of adjustment allows quick attachment of 3" splitter to the bushing or bearing. Pressure beam is used in conjunction with interchangeable legs. Includes carry case.



**7790**  
**Flange Puller Set (48 piece)**

Versatile puller capable of removing a wide variety of components having tapped pulling holes such as gears, pulleys, etc.

- Capable of handling 2- or 3-way bolt pulling applications.
- Puller flange: adapts to bolt circle dia. of 1-1/2" to 4-5/8".
- Forcing screw: 5-5/8" lg., 5/8-18 thread.
- Shaft protector: 1-3/16" dia. x 3/4" thick.



**525**  
**Flange-Type Puller Combination**

Two specialty pullers in one box. You get a flange-type puller for removal of parts with two or three tapped holes. You also get a pulley and flywheel puller. 525 includes: flange-type puller along with a puller with four sets of cap screws.

**5049**  
**Pilot Bearing Puller**

Make quick work of pulling stubborn, rusted pilot bearings. Fits 1" I.D. bearings. The puller's forcing screw expands the jaws inside the bearing and simultaneously pushes against the bottom of the blind hole.



**981**  
**Blind Hole Puller Set**

This set provides a complete selection of expanding collets ranging in size from 5/16" to 1-3/4". Collet is placed through bore of part to be removed, then expanded with actuator pin so that lips of collet secure a positive grip for pulling. Force is exerted by means of a forcing screw and a bridge assembly or a slide hammer. Individual pieces can be ordered separately.

**1037**  
**7-Ton Grip-O-Matic Puller**

Mechanical Grip-O-Matic® Puller Remove and install parts for fast, effective repairs. The puller is forged from quality steel, heat treated, and subjected to rigorous tests which exceed their rated capacity.

- 7-Ton, 2/3-Jaw
- Max. Reach 5" Max. Spread 10-1/2"
- Screw Size 11/16"-18 x 9"
- Jaw Thickness Upper 5/16" Lower 11/32"
- Jaw Width Upper 1" Lower 1"



**4532**  
**7-Ton Multi Purpose Bearing and Puller Set**

- Offers a bearing/pulley tool solution featuring a classic "H" Bar style puller block accommodating 7" to 11" application spread.
- Comes with 2 sets of forged jaws for a pulling reach range of 5" to 9" – tempered for heavy-duty applications. Two forcing screws are included for short and long pulls.
- Where a Push Puller is the best pulling choice and threaded holes are not available, the 4532 provides technicians and shops with a solution for many applications like side bearings, alternators, generators, power steering and crankshaft pulleys.
- Deep set works excellent for pulling the primary plate from the transmission

## 6930 Flange-Type Puller Combination

Heavy-duty flange puller features a live center forcing screw. Includes two live center forcing screw tips and two sets of commonly used automotive bolts. Puller will work on bolt circles from 1-1/2" to 4-1/4".

Three cap screws, 3/8-24 x 3" long, and three cap screws, 3/8-16 x 3" long.



## 7403 Pulley and Flywheel Puller

Here's a puller that works in a variety of applications. Works as a regular 2/3-way puller to remove pulleys and small engine flywheels. Cap screws included (pairs): 3/8-16 x 3-1/2 in.; 5/16-18 x 3-1/2 in.; 5/16-24 x 3-1/2 in.; M8-1.25 x 90 mm; and 5/16-18 x 4 in. (SIR).



## 4518 5-Ton Bar-Type Puller/Bearing Separator Set

- This combination set includes our two most popular bearing "splitters" (2" and 3"), four sets of hex push-puller legs and a bar-type puller head with a 9/16" forcing screw. Separator tools are used with bar puller and legs for a wide variety of pulling jobs.
- The 5" puller cross-bar with a 6-1/4" forcing screw or each of the bearing separators may also be used separately or in combination with other pullers or tools.
- A blow-molded plastic storage case keeps set contents organized and protected from loss.

Tool No.	Min. Spread	Max. Spread	Tapped Holes	Distance Between Adj. Screws
4518-2	3/16"	2-3/8"	3/8-16	2-3/8"
4518-3	1/2"	2-3/8"	3/8-16	3-9/16"



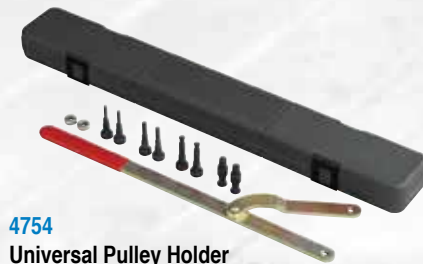
## 4852 Adjustable Primary Locking Bar

- Used to lock primary for service work.
- Will work on Chain or Belt Drive style primary drives.
- Adjustable length from 4" to 7-1/4" to cover virtually any application.

## 518 Flange Puller

Pull larger diameter parts having two or three tapped holes.

- Slotted holes in puller body permit cap screws to be positioned to handle bolt circle diameters from 1-1/2" to 4-5/8".
- Three each of two cap screw sizes included: 3/8"-24 x 3" long and 3/8"-16 x 3" long.



## 4754 Universal Pulley Holder

- Universal design fits many different size pulleys having slots or holes, such as crankshaft / transmission pulleys or gears.
- Wrench is adjustable from 1-1/2" to 8-5/8"; four different size step pins are interchangeable.
- Long handle enables technician to easily hold the pulley when tightening or loosening retaining bolts.

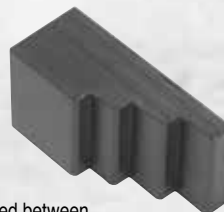


## 4802 Universal Pulley Holder Locking Pliers

This adjustable locking pliers can be used to hold pulleys, clutch hubs, flywheels, gears, and sprockets with internal or external teeth up to a 4" diameter. Can also be used on applications with slots or holes with the 5/16" pins.

## 4856 Primary Drive Locking Tool

- This wedge is placed between the primary chain and motor sprocket to lock them together during removal and installation of the engine sprocket nut without damage.
- Made of POM material to not damage the sprocket or chain.
- Fits all chain primaries.
- Similar to HD-41214.



## 464 Griplock 2 Ton, 3 Jaw Puller

Three-in-One "Griplock" Puller is used for general purpose pulling such as hubs, gears, bearings and anywhere this versatile puller can be attached.

- Pressure bearing yoke cap holds jaws in place for ease of set up - in any orientation.
- Yoke arms have two jaw positions and do not require tools to change.
- 2 or 3 jaw applications, with a 3" to 4" spread.
- Both external and internal pulling action.



## 465 Griplock 5 Ton, 3 Jaw Puller

Three-in-One "Griplock" Puller is used for general purpose pulling such as hubs, gears, bearings and anywhere this versatile puller can be attached.

- Pressure bearing yoke cap holds jaws in place for ease of set up - in any orientation.
- Yoke arms have two jaw positions and do not require tools to change.
- 2 or 3 jaw applications, with a 3" to 7" spread.
- Both external and internal pulling action.



## 4803 Universal Pulley Holder Locking Pliers Set

This adjustable locking pliers can be used to hold pulleys, clutch hubs, flywheels, gears, and sprockets with internal or external teeth up to a 4" diameter. Can also be used on applications with slots or holes with the addition of the interchangeable 5, 6, 7, 10, and 16mm pin sets. Complete with metal carry case.



## 4804 Heavy Duty Pulley Holder

This strap style universal wrench features a 9" drop forged handle and 23" leather strap for excellent grip on diameters up to 7". The milled foot increases grip on the strap and pulley as handle force is increased.





**4889**

**Fork Cap & Compression Valve Socket Set**

- This set is designed to fit fork cap sockets or the compression body with an octagonal shape. These offer a low profile design that provides full nut to socket contact to eliminate rounding off the nut and slippage. Made from high quality aluminum and can be driven with the 3/8" square drive or 19mm wrench.

**Set includes:**

**4889-1** – Internal Socket to remove the compression body from the cartridge on KYB twin chamber forks, found on Honda CRF 250 & 450. Size 32mm.

**4889-2** – Internal Socket to remove the compression body from the cartridge on KYB twin chamber forks, found on Yamaha YZ 125/250 & 250F/450F, Honda CRF250R/CRF450R, Kawasaki KX450F. Size 36mm.

**4889-3** – Socket fits fork cap on Showa BPF with 43mm fork tubes. Size 45mm.

**4889-4** – Socket fits fork cap on Showa with 44mm - 46mm fork tubes, found on late model Honda CRF 250R & Suzuki RM 125/250. Size 46mm.

**4889-5** – Socket fits fork cap on KYB forks found on Honda CRF 450R, Yamaha YZ125/250 & YZ250F/450F, Kawasaki KX450F. Size 49mm.

**4889-6** – Socket fits fork cap on Showa forks found on Honda CRF 250R/450R & CRF 250X/450X, Suzuki RM 125/250 & RMZ 250/450, Kawasaki KL250F. Size 50mm.



**4891**

**Fork Spring Compressor Kit**

- Designed to install fork caps on forks with a large amount of spring pre-load. Kit includes 39mm and 41mm adapter sets, and one jackscrew.
- Application: 39mm and 41mm HD forks.



**4892**

**Steering Head Bearing Installer**

- Designed to install steering head bearing cups and races completely straight without any damage.
- Will work on stock and custom applications.
- Similar to HD-39302.



**4886**

**Swing Arm Bearing Tool**

- Designed to install new needle style bearings into a swing arm. Includes 3 drivers to fit different size bearings. Driver 1 (22.0mm/26.8mm), Driver 2 (21.0mm/26.0mm), Driver 3 (20.0mm/26.0mm).
- Application: For use on late model off-road motorcycles such as Honda, Suzuki, Kawasaki, Yamaha models.



**4884**

**Swing Arm Pivot Bearing Puller**

- An essential tool for removing and installing pivot bearings in swing arms and front fenders.
- Applications include HD Softail swingarms 86-Present, HD Springer front fender mounts 97-11.



**4968**

**Swing Arm Tool**

- This 2-in-1 tool is designed with one end for removing and installing the pivot bolt lock nut, while the other end will remove the pivot bolt.
- Applications include Honda 4-stroke 4 wheelers.



**4964**

**Ball Joint Service Kit**

- Use to remove and install ball joints in vehicle on Sportsman XP, RZR and Ranger models.
- Similar to Polaris No. PU-50506.



**4965**

**ATV Steering Knuckle/Ball Joint Separator**

- Eliminates damaging the A-Arm, ball joint stud, or rubber boot while separating the ball joint from the knuckle body. Includes 2 drive bolts for Applications include ATV models Honda TRX and Yamaha YZF, YZF, and YFM.



**4966**

**ATV Steering Knuckle/Ball Joint Separator**

- For removal and installation of lower ball joints on models with pressed-in ball joints on the front strut casting found on Polaris and other Makes.
- Similar to Polaris No. 2870871



**4995**

**Coil Spring Compressor Locking Plier**

- Locking plier with special jaws that clamp on the external side of the coil spring. Use 2 pliers to evenly compress each side of the spring found on struts and coil over shocks.
- Similar to Polaris No's 2871573 & 2871574.



**4517**

### 7-Ton Bar Type Puller/Bearing Separator

- Includes a Bearing Splitter with 4" capacity, two sets of hex push puller legs, a 8" bar type puller head mated with a custom thread forcing screw.
- Puller/Bearing set for tough jobs, up to 7-tons, larger applications, and greater reach 8" to 16".
- Capacity to remove steering stem bearings.



**4581**

### Blind Hole Bearing Puller

- For pulling jobs requiring an internal pull, such as pilot bearings and pinion bushing from cam cover.
- Four collets which fit a wide range of applications. Select the appropriate sized collet by comparing it with the application. Insert the collet, expand it to fit the hole, then attach the slide hammer assembly.

#### Set includes:

- Four collet sizes: 7/16" to 1/2", 9/16" to 11/16", 5/8" to 1", 1" to 1-1/4" and 2-1/2 pound slide hammer with T-handle.
- Housed in a blow-molded plastic storage case.



**6642**

### Trim Tool Kit (11 Piece)

- Includes 11 tools designed to remove specialty body fasteners, trim strips, panels, bezels, liners, shrouds, fascia, and more. . .
- Tools are constructed of durable, impact-resistant nylon that will not damage metal and non-metal surfaces.



**4790**

### Wheel Bearing Removal/Installation Kit

- This tool assembly will remove and install 3/4", 1", and 25mm I.D. sealed wheel bearings.
- Standard wrenches used in combination with tool. Instructions included along with blow molded case.



**4507**

### Bearing Driver Set, Stinger

- Permits installation of tapered bearing races and seals without damage to the component or housing. Includes a driver handle plus popular bearing and seal drivers, ranging from 1.565" to 3.180".
- Tapered side of driver is used to install races. Invert the driver to the flat side to install seals. Set is housed in a blow-molded plastic storage case.
- Bearing applications include steering stem, swing arm, and wheel bearings races.



**4797**

### Steering Stem Bearing Installation Tool

- Provides a quick and easy method to install lower steering stem bearings. The 14" drive tube accepts the 1.0", 1.4", and 1.75" I.D. bearing adapters.

**4779**

### Front Fork & Shock Vice

This vice is designed to hold up to 4" diameter round or oddly shaped components such as forks, shocks, pistons, rods, etc. The V shaped jaws are covered with thick rubber pads to ensure a firm grip without leaving a mark. Comes complete with a table/vice mounting bracket that allows adjustment to any position.



**4791**

### Spanner Wrench, 3/4" - 2"

This chrome vanadium hardened steel wrench features a 5" handle and slim strong hook to access slotted retaining rings in hard to reach areas.



**4792**

### Spanner Wrench, 2" - 4 3/4"

This chrome vanadium hardened steel wrench features a 9" handle and slim strong hook to access slotted retaining rings in hard to reach areas.



**4784**

### 10" Profile Gauge

- This 10" gauge provides an exact copy of a contour or profile needed during bodywork or fabrication. The plastic fingers will not scratch original finish and non-metal surfaces.

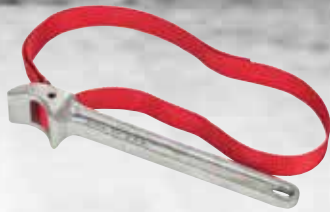


**3176**

### Smart Battery Charger & Maintainer

Excellent for vehicles in storage for weeks or months. This charger and maintainer will keep 12V batteries fully charged when not in use, without damaging the battery.

- Charges deep discharged batteries in about 12 hours.
- Switches to float mode after the battery is completely charged.
- Easy to read LED lights to show the status of charging and battery condition.
- Microprocessor controlled pulse charger.



**7206**  
**Multi-purpose Strap Wrench**

You'll find many uses for this heavy-duty strap wrench. The 53" long nylon strap won't mar precision surfaces of shafts, pulleys, or other components. Useful on engine, transmission, and drive pulleys up to 16 inches. Special head design self-tightens the strap as force is applied to the lightweight, 12" long handle. **305085** – Replacement Strap.



**4750**  
**Tire Valve Installer/Remover Tool**

This 14" steel tire valve tool includes a stepped rubber sleeve that can be positioned on the handle for optimum pulling angle of the valve, while protecting the wheel finish. Removes and installs snap-in style tire valves.



**4751**  
**Tire Pressure/Tread Depth Gauge**

This 3-in-1 gauge will measure tire pressure, lower tire pressure, and measure tread depth all in one gauge. Rugged cast housing for strength and long life.



**4770**  
**Tire Spoon with Grip**

This 13" curved tip tire spoon is strong yet comfortable to use with the form fit hand grip. The rounded head prevents puncturing the tube.



**4769**  
**Wheel Rim Protector Set, (3 piece)**

Fits over the wheel rim to protect the wheel from being scratched or damaged while using tire spoons. Set of 3.

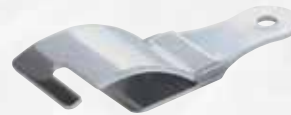
**4771**  
**Tire Bead Alignment Tool**

This aluminum tool will hold a tire bead into the drop center of the wheel when changing the tire or installing an inner tube. The nylon thumbscrew will not damage the wheel finish.



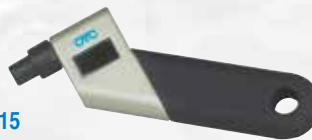
**4777**  
**Tire Bead Holding Tool, Long**

This tool allows the tire bead to be held in the drop center of the wheel when changing the tire or installing an inner tube. The slot slides over the spoke and the opposite end is depressed to push the tire into position. For use on wheels with 1 5/8" maximum side profile height.



**4775**  
**Tire Bead Holding Tool, Std.**

This tool allows the tire bead to be held in the drop center of the wheel when changing the tire or installing an inner tube. The slot slides over the spoke and the opposite end is depressed to push the tire into position. For use on wheels with 3/4" maximum side profile height.



**3833-15**  
**Digital Tire Gauge**

Digital tire gauge for accurate tire pressure measurements in 0.1 psi increments. Display is backlit for use in low light conditions. 0-150 psi capability.



**3833-17**  
**Tire Valve Core Tool**

This tire valve core tool will remove and install valve cores when servicing tires. The tool is preset to tighten the valve core to the proper torque during installation.



**4598**  
**Brake Fluid Tester**

Catch bad brake fluid before it has time to destroy expensive brake calipers and other brake system components! Tester determines quality of brake fluid. One battery included: 1.5V AAA.

1. Remove cap from brake fluid reservoir.
2. Remove probe cap from brake fluid tester.
3. Press power button on top of tester. Green LED lights up.
4. Dip entire length of metal probes into brake fluid.
5. After one second, match color of LEDs with color chart to determine brake fluid quality. Tester automatically powers off after twelve seconds of inactivity.



**4741**  
**Spoke Tool Set (9 Piece)**

- Use to tighten or loosen spoke nuts found on most motorcycle and scooter wheel applications.
- Nine interchangeable wrench ends; 5.2 mm, 5.4 mm, 5.6 mm, 5.8 mm, 6.0 mm, 6.2 mm, 6.4 mm, 6.6 mm, 6.8 mm.



**4747**  
**Spoke Torque Wrench Set (22 Piece)**

Take the guesswork out of spoke wheel assembly and maintenance. This dual head spoke wrench offers install and removal in one wrench. The click-type torque end applies accurate and equal tension to each spoke, while the fixed end easily removes damaged or rusted spokes. This set includes 11 torque heads and 11 fixed heads for use with the sealed body wrench, all complete in an organizer case. Head sizes included for both ends; 5.0mm, 5.6mm, 5.8mm, 6.0mm, 6.2mm, 6.3mm, 6.5mm, 6.7mm, 6.8mm, 7.1mm, and Spline.



6703

### Line Fluid Stopper Kit

Stop messy fluid leaks and prevent contamination during service.

- Kit seals all types of rubber and steel line found on fuel, brakes, and oil lines.
- Includes two banjo style fitting stoppers, two steel line stoppers, six line plugs, a line disconnect tool, and a long reach line pinch-off tool for hard-to-reach hoses.

6703-1 – Banjo Line Fluid Stoppers, 2 pk.

6703-2 – Steel Line Fluid Stoppers, 2 pk

6703-3 – Line Plug Fluid Stoppers, 6 pk



7559A

### Deluxe Vacuum Pump

This pump kit is designed for vacuum testing, brake bleeding, and fluid transfer. With this kit, one person can quickly and cleanly bleed brake and hydraulic clutch systems, actuate vacuum switches (VOES), as well as get answers to numerous diagnostic and mechanical problems.

#### Kit includes:

- Precision-made repairable vacuum pump with 360° gauge rotation for improved visibility.
- 4-1/2 oz. Reservoir jar with fluid transfer and storage lid.
- Two – 2 ft. long, 1/4" ID hoses.
- Rubber cup adapter, two universal bleed screw adapters.
- Vacuum "T" adapter, test and bleed adapters.
- User manual (English, Spanish, French).



4740

### Spring Hook (6" reach)

- Made from heat treated alloy steel.
- Designed for removing and installing hard-to-reach headlight adjusting springs, exhaust, brake and kickstand springs.



4599

### One Man Break Bleeder Hose

- Removes air from brake system—one wheel at a time—and eliminates the need for an assistant to help do the job.
- Hose easily attaches to bleeder screw, which holds hose in place and prevents leaking.
- Check-valve on end of hose prevents air from entering brake system when pumping brake pedal.

4743

### Brake Caliper Spreader

- Compresses the brake pistons on most style calipers for easy pad replacement.
- Fits calipers with 1/4" thick rotor applications, popular on motorcycles.
- Range: .25" (5 mm) to 2.25" (58 mm). Works on all automotive applications in this range.



4799

### Brake Piston Removal Locking Pliers

This specially designed locking pliers allows the removal of brake caliper pistons during service or rebuild. The pliers is simply clamped into the I.D. of the caliper piston allowing it to be pulled out of the caliper. Range; 5/8" to 2-1/4" diameter pistons.



4795

### Safety Wire Twist Pliers

These versatile 8" pliers will reliably twist safety wire rapidly and consistently. The right hand twist mechanism features an automatic spring return. The forged alloy steel construction features tapered jaws for confined areas and mated cutters to cut safety wire. For use on safety wire applications found on vehicles, machinery, and aircraft.

4796

### Steering Neck Bearing Race Remover

Simple way to remove bearing race in the steering neck. Remover is inserted into neck and bolt is adjusted to tighten the remover against I.D. of steering neck. The remover is then driven from other end of neck to remove race. Fits 1-1/8" to 2-5/8" I.D. bearing race.



4794

### Safety Wire Drill Guide Set, SAE & Metric Set

Here is the perfect way to drill those nuts and bolts for use with safety wire without breaking the drill bit. These guide, align, and support the hex head or the bolt threads. The hex fixture fits nuts and bolt heads that measure up to 1 1/4". The SAE fixture bar is threaded for 1/4"-20, 5/16"-18, 5/16"-24, 3/8"-18, 3/8"-24, 7/16"-14 bolts, and the Metric fixture bar covers M6x1.0mm, M8x1.0, M8x1.25mm, M10x1.25mm, M10x1.5mm, M12x1.5mm sizes.



8104

### Vacuum Brake Bleeder

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



4870

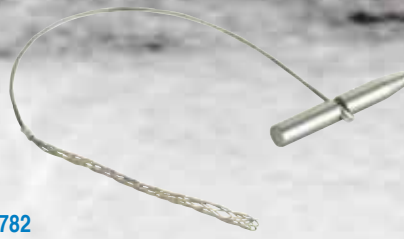
### Master Cylinder Snap-Ring Pliers

Allows for removal of the internal snap rings found in hydraulic master cylinder. Remove and install small to medium snap rings up to a 2 1/8" depth. Other snap ring applications include transmission gear locators, bearing and oil seal retention, and fork seal retaining rings.



**3910**  
**Digital Multimeter**

This digital multimeter contains all the base functions required for today's electrical system testing, at an economical price. Digital display provides; Volts, Ohms, Amps, Duty Cycle, Resistance, Capacitance, Diode, Continuity, Temperature.



**4782**  
**Wire Pulling Tool**

This tool contains an 18" cable with a "T" handle at one end and wire mesh at the other. By threading the cable through a difficult to reach area such as a bike frame, wires or connector can be hooked to the end allowing the wiring to be pulled through.



**3650**  
**Heavy-Duty, Remote Starter Switch**

Allows one person to start and crank engine while under the hood or from either side of the vehicle.

**Product Features:**

- With convenient hot circuit indicator, red ready light glows when starter switch is connected to a hot circuit; light goes off when switch is depressed.
- High current, heavy-duty push button switch ensures reliable operation and long service life.
- 5' leads made from heavy-duty, oil and grease resistant, 12-gauge wire.
- High current clips with protective boots open to an extra wide 5/8" for ease of hook-up.
- Soft, non-slip rubber grip.



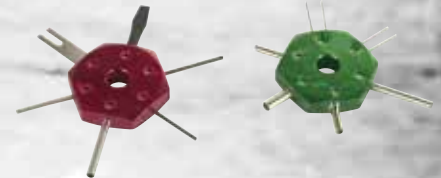
**4878**  
**Ignition Switch Housing Alignment Tool**

- This tool aligns the ignition switch housing properly as the retaining screws are being torqued. Proper switch alignment extends the life of the ignition switch. Applications include HD FL Touring models 03 – Present, V-Rods 02 – Present.
- Similar to HD-45962.



**4617**  
**Terminal Battery Brush**

- Designed to clean corrosion from side post batteries.
- One brush used to clean battery terminals; other brush used to clean battery cable ends.
- Plastic handle resists battery acid.



**4822**  
**Wire Connector Tool Set (2 Piece)**

Designed to remove terminals from connector housing without damage to the terminal or connector. Set provides 12 different tool styles fit most common connectors.



**3633**  
**Circuit Tester**

The standard in electrical system testing. This basic and simple to use tester provides the capability to locate shorts, grounds, and open circuits. 12', heavy-duty, red coil, cord lead.

- Checks 6- and 12-volt systems.
- Ergonomic, slim designed clear handle.
- Bright red, high intensity/slim style replaceable bulb.



**3907**  
**Probe Multimeter**

This full function digital multimeter is used for electrical system testing, but it's compact design allows it to be conveniently carried anywhere in case of emergencies. Digital display provides; Volts, Ohms, Diode, Continuity.



**4813**  
**Heat Shrink Tubing Set (171 Piece)**

Protection and insulation for solder connections and components. 2 to 1 shrink ratio with flame or heat gun.



**4614**  
**Battery Terminal Wrench, 5/16, 6 pt.**

- Designed for use on side-terminal batteries, or any 5/16" hex head battery bolt.
- 5/16", 6 point, box end, 5-1/2" long, ratcheting wrench; insulated handle.



**3908**  
**Amp Clamp Multimeter**

This digital clamp meter is well suited for testing starting/ charging circuits, and provides easy access to current, voltage, temperature and other key electrical system measurements, all in one easy to use tool. Digital display provides; Volts, Ohms, Amps, Duty Cycle, Resistance, Capacitance, Diode, Continuity, Frequency, Temperature.



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

Waterproof protection and insulation on solder connections and components. Adhesive lined inner wall to seal out moisture. 3 to 1 shrink ratio with flame or heat gun.



**4616**  
**Battery Terminal Wrench, 10mm, 12 pt.**

- Designed for use on 10 mm battery terminal bolts found on many batteries.
- 10 mm, 12 pt., box-end ratcheting wrench; 5-1/2" long with insulated handle.



## 4461 Terminal Release Tool Set

- Save time and money. Repair or rebuild a wiring harness without having to order the entire OE replacement.
- Services most OE terminal connectors. Insert the appropriate release tool to depress the locking tab and the individual wire slides out for service or replacement.

### Kit includes:

**7737** – Computer edge board and header release tool. Each end of the tool works on different terminal connector configurations. Works on various domestic and import models.

**7738** – Weather Pack sensor terminal release tool. Works on various domestic and import models.

**7740** – Micro-style terminal release tool. Works on various domestic and import models.

**7741** – Specifically designed to release ID computer terminals on various domestic and import models.

**7742** – Universal harness release tool designed to work on various domestic and import models.

**7743** – Releases terminals on most harness connectors on various domestic and import models, including water, O2, vacuum, and air temperature sensors.



## 4467 Automatic Wire Stripper

- Quick removal of insulation on wire AWG 12-20.
- Comes with adjustable depth gauge (8mm to 12mm).
- Sharp v-shaped tooth easily removes insulation without any damage to soft wire strands.
- Cutting tool stored below the stripper.
- Features a space saving locking mechanism for pockets or tool drawer storage.



## 5912 Crimpwell™ Angled Crimping Pliers

- Universal crimping design accommodates soft wire – solid or stranded – 10-22 AWG.
- Cutting feature included for quicker preparation.
- 9" (228mm) in length, with protective grips to increase leverage and secure crimp.
- Angled design keeps the connector, the wire, and the crimper "in-line" –improving visibility and access in hard to reach places.
- Designed to not pierce connector insulation and also works on un-insulated connectors.
- Service tech can use as much force as desired to ensure connection and it will not damage connector insulation.
- Easy-to-use: Simply insert the connector into the crimping feature, slip over the connector and squeeze.



## 5950A CrimPro™ 4-in-1 Angled Wire Tool

- The angled feature allows access to close quarters and facilitates superior crimps.
- Compact 7-inch design used 4 ways.
- Gripping nose – to pull, twist, bend, and shape.
- Crimper – crimps 12-20 AWG insulated and non-insulated wire.
- Stripper – strips 12-20 AWG wire.
- Cutter – ability to make cuts both above and below pivot.



## 5950S CrimPro™ 4-in-1 Wire Tool

- Compact 7-inch design used 4 ways.
- Gripping nose – to pull, twist, bend, and shape.
- Crimper – crimps 12-20 AWG insulated and non-insulated wire.
- Stripper – strips 12-20 AWG wire.
- Cutter – ability to make cuts both above and below pivot.



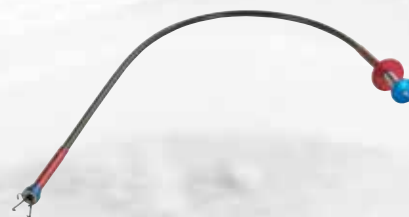
## 5953 Dual End Wire Holder

- Holds wire and connectors solidly during soldering or other wire service.
- Unique design allows connection to be held firmly on both sides with infinite adjustability.
- Insulated clips act as heat sinks to protect shrink tubing or other sensitive parts from heat.



## 5955 Magnetic Clamp Wire Holder

- Holds wire and connectors solidly during soldering or other wire service.
- Unique design allows connection to be held firmly on both sides with infinite adjustability.
- Insulated clips act as heat sinks to protect shrink tubing or other sensitive parts from heat.
- Clamp with magnet allows for attachment to a work bench, vehicle, or any other object for a firm base.



## 4783 Flexible Magnetic/Claw Pick Up Tool

The 25" flexible spring shaft allows the tool to reach difficult areas and pick up objects either magnetically or with the use of the retractable claw.



## 4818 Multi-Purpose Scissors

Will cut hose, wire and cables, wood dowel, PVC, and thin sheet metals in addition to general cutting. The hardened stainless steel blades have an angle ground into one that eliminates slipping when cutting round materials.





**5900A**

**Master Torx® Bit Socket Set, 52 Piece**

52-piece professional socket set in a blow molded case covers the popular versions of Torx® specialty fasteners in all popular sizes.

- Styles available: Torx® Bit Sockets, Torx® Plus Bits Sockets, Tamper-Resistant Torx® Bits, and Torx® Socket for external bolts.
- Made from superior S2 steel to meet or exceed torque specifications.
- All bit sockets are a 2-piece design. .20 percent stronger than a one-piece style for longer life.

**6100**

**Standard TORX® Socket Set T10 to T60 (12 piece)**

Set includes one each of the following:

No.	Size	Sq. Drive
6101	T10	1/4"
6102	T15	1/4"
6103	T20	1/4"
6104	T25	1/4"
6105	T27	1/4"
6106	T30	1/4"
6107	T40	3/8"
6108	T45	3/8"
6109	T47	3/8"
6110	T50	3/8"
6111	T55	3/8"
6112	T60	1/2"



**6150**

**External TORX® Socket set (7 piece)**

Set includes one each of the following:

No.	Size	Sq. Drive
6151	E6 x 25	1/4"
6152	E7 x 25	1/4"
6153	E8 x 25	1/4"
6154	E10 x 32	3/8"
6155	E12 x 32	3/8"
6156	E14 x 32	3/8"
6157	E16 x 32	3/8"



**6170**

**Metric Hex Socket Set (7 piece)**

Set includes one each of the following:

No.	Size	Sq. Drive
6171	3 mm	3/8"
6172	4 mm	3/8"
6173	5 mm	3/8"
6174	6 mm	3/8"
6175	7 mm	3/8"
6176	8 mm	3/8"
6177	10 mm	3/8"



**6180**

**TORX® Plus Socket Set (9 piece)**

Set includes one each of the following:

No.	Size	Sq. Drive
6181	TP10	1/4"
6182	TP15	1/4"
6183	TP20	1/4"
6184	TP25	1/4"
6185	TP27	1/4"
6186	TP30	1/4"
6187	TP40	3/8"
6188	TP45	3/8"
6191	TP50	3/8"



**6950**

**SAE Ball Hex "L" Keys 1/16" to 3/8" (10 piece)**

Set includes one each of the following:

No.	Size
6950-1	1/16"
6950-2	5/64"
6950-3	3/32"
6950-4	1/8"
6950-5	5/32"
6950-6	3/16"
6950-7	7/32"
6950-8	1/4"
6950-9	5/16"
6950-10	3/8"



**6952**

**Metric Ball Hex "L" Keys 1.5mm to 10mm (10 piece)**

Set includes one each of the following:

No.	Size
6952-1	1.5mm
6952-2	2mm
6952-3	2.5mm
6952-4	3mm
6952-5	4mm
6952-6	5mm
6952-7	6mm
6952-8	7mm
6952-9	8mm
6952-10	10mm



**6954**

**Standard TORX® "L" Keys T8 to T50 (10 piece)**

Set includes one each of the following:

No.	Size
6954-1	T8
6954-2	T10
6954-3	T15
6954-4	T20
6954-5	T25
6954-6	T27
6954-7	T30
6954-8	T40
6954-9	T45
6954-10	T50



**6956**

**TORX® Plus "L" Keys TP8 to TP50 (10 piece)**

Set includes one each of the following:

No.	Size
6956-1	TP8
6956-2	TP10
6956-3	TP15
6956-4	TP20
6956-5	TP25
6956-6	TP27
6956-7	TP30
6956-8	TP40
6956-9	TP45
6956-10	TP50



**4780**

**Personal Tool Pack**

Includes 1/4" drive ratchet, 2" extension, 16 drive bits, and Universal Spline sockets fit both SAE 3/16" - 9/16" and metric 5mm - 14mm nuts and bolts in a variety of styles; 6 pt., 12 pt., torx, square, spline, etc. All tools included in a travel pouch.





4781

### Super Stubby Screwdriver Set

These screwdrivers are perfect for those limited access fasteners typically found on carburetors or in electrical compartments and many other areas.

- 2 Phillips and 2 straight screwdrivers included in set.



8262

### Short Pick & Hook Set (4 Piece)

Consisting of four (4), 6.5", soft-handled picks.

- They are sturdy, with both stainless steel shafts and tips, with assorted tip shapes designed for marking, removing O-rings, accessing snap rings and other assorted applications.
- Ergonomic handle design fits properly in the hand, allowing for easier holding of the tool.
- Multi-use tools to scribe, align pierce, clean or remove O-rings, shaft seals, CV boot and motorcycle fork seals and dust hoods.
- Packaged in a molded tray which can be placed in tool drawer.

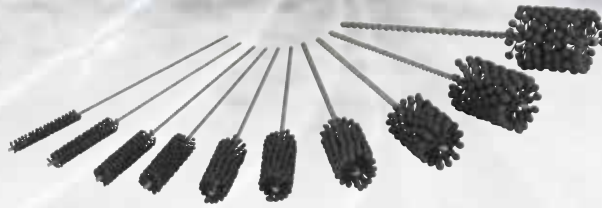


8263

### Long Pick & Hook Set (4 Piece)

Consisting of four (4), 9.25", soft-handled picks.

- They are sturdy, with both stainless steel shafts and tips, with assorted tip shapes designed for marking, removing O-rings, accessing snap rings and other assorted applications.
- Ergonomic handle design fits properly in the hand, allowing for easier holding of the tool.
- Multi-use tools to scribe, align pierce, clean or remove O-rings, shaft seals, CV boot and motorcycle fork seals and dust hoods.
- Includes a knurled shaft which allows good grip with grease or oil on hands.
- Packaged in a molded tray which can be placed in tool drawer.



7011

### Ball Hone Set, 10 piece

- Ball Hones can be used for refinishing and resizing bores such as found in brake calipers, engine lifters, and u-joint yokes. Also useful for any bearing or bushing application.
- All hones are 180 grit Silicone Carbide for excellent cutting and finish.

Tool No.	Size
7011-1	.375" 10 mm
7011-2	.500" 13 mm
7011-3	.625" 16 mm
7011-4	.750" 19 mm
7011-5	.875" 22 mm
7011-6	1.00" 25 mm
7011-8	1.25" 32 mm
7011-10	1.50" 38 mm
7011-12	1.75" 44 mm
7011-14	2.00" 51 mm



4786

### Aluminum Vice Inserts

Essential for every workbench vice. Aluminum jaws have reliefs for 5/16, 3/8, & 9/16 (7mm, 10mm, & 15mm) diameter shafts. Excellent for holding steel shafts without scratching or damage such as shocks, crankshafts, or any threaded bolts and shafts.



4410

### Master Bushing Driver Set

- Enables you to remove and install bushings ranging from 10mm to 42mm in diameter, and 3/8" to 1-3/8" in diameter.
- Includes large, medium, and small driver handles and adapters all made of steel.
- Housed in a blow-molded storage case.



5180

### Portable Multi Purpose C-Frame Press.

- Lightweight (less than 28 lbs.) and durable, the 5180 portable press is perfect for bench top pressing applications.
- Use for all clamping, pressing, and bending needs. Ideal for welding and metal fabrication.
- Press can be positioned vertically or horizontally.
- Versatile 9" – 4-1/4" Open-Throat® design.
- Couples to any 4- or 10-ton Porta Power pump.
- Base allows the operator to mount the press to a bench.

Set includes: C-Frame press with base, adapters: V-pushing and ram pushing (9/16" and 3/4" dia. shanks), receiving inserts, flat insert, storage case.



8203

### Handled Pry Bar Set

- Finally, a 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.

Set includes 12", 18", and 24" bar shank lengths packaged in a gray molded tray.



**4497A**

**Ratcheting Terminal Crimper**

- Heavy-gauge steel crimping tool designed for insulated wire terminals.
- Ratcheting action crimps terminal to correct tightness on the wire, making crimping fast and easy.
- Insulated handles with compound mechanical leverage for power.
- For wire sizes: AWG 22-18 (0.6mm—1.0mm) red terminal; AWG 16-14 (1.3mm—1.6mm) blue terminal; AWG 12-10 (2.0mm—2.6mm) yellow terminal.



**4411**

**Ratcheting Hose & PVC Cutter (Standard)**

- Cuts hose and PVC up to 1-3/8" dia.
- Features metal frame and ergonomic handles for high leverage.
- Compound ratcheting action provides maximum cutting power.
- Will also cut cable and wires.



**1545**

**Motorcycle/ATV Lift**

- 1,500 lb. capacity and 17" long skids that will lift the largest, widest cruisers.
- Lowest clearance available, 3-1/2" at lowest level, with a wide lift range of 3-1/2" to 16-3/4".
- Removable handle provides 360° access to load.
- Features also include foot pedal release, locking rear casters, automatic safety lock, and two ratcheting tie down straps for safety.



**4498**

**7-in-1 Wire Stripper & Crimper**

- Strips insulation off electrical wires ranging from 10 AWG—22 AWG (0.6mm—2.6mm) in diameter. Pliers on tip of jaw for looping or grabbing wire in tight places.
- Heat-treated steel jaws cut solid or multi-strand wire.
- Screw cutter shears screws clean, with no thread clean-up required. Works on machine screw sizes 4-40, 5-40, 6-32, 8-32, 10-24, and 10-32.
- Crimps insulated and non-insulated wire terminals, 7mm—8mm spark plug wire connectors.



**4412**

**Ratcheting Hose & PVC Cutter (Heavy Duty)**

- Cuts hose and PVC up to 1-3/4" dia.
- Features metal frame and rubber padded ergonomic handles for high leverage and comfort.
- Compound ratcheting action provides maximum cutting power.
- Will also cut cable and wires.



**4490**

**Magnetic Tray**

- Rectangular, stainless steel tray is 9-1/2" x 5-1/2" and 1-1/4" deep. Holds tools and small metal parts so they don't get lost or misplaced during repair work.
- Two heavy-duty magnets on bottom of tray have non-marring contact pads; will securely hold tray to metal objects such as a tool box, frame rail, fender, etc.



**4509**

**Straight-Blade Hose Cutter**

- Cuts rubber hoses ranging from 1/4" to 1-1/2".
- Simply place hose in tool and squeeze handle to cut.
- Replacement steel cutter blade No. 4509-1 is available.

**4509-1** – Replacement hose cutter blade



**4515**

**Mini Pick and Hook Set – 4-Piece**

- Sturdy stainless steel points and shafts designed for marking, removing o-rings, accessing snap rings, and performing other tasks. Assorted angle tips allow you to reach awkward locations.
- Knurled shaft design enhances finger control for delicate jobs.



**Impact Drivers**

- Loosens hard-to-turn screws, bolts or nuts.
- Handle design prevents possibility of hitting hand with hammer when striking impact driver.
- Bit holder has 3/8" drive (No. 4608), 1/2" (No. 4607) drive, and 5/16" hex for Phillips and flat screwdriver bits.
- Includes eight screwdriver bits:
  - No. 2 Phillips bit, 1-3/8" long with 5/16" hex
  - No. 2 Phillips bit, 3-1/8" long with 5/16" hex
  - No. 3 Phillips bit, 1-3/8" long with 5/16" hex
  - No. 3 Phillips bit, 3-1/8" long with 5/16" hex
  - 5/16" wide x 1-3/8" long with 5/16" hex slotted bit
  - 5/16" wide x 3-1/8" long with 5/16" hex slotted bit
  - 3/8" wide x 1-3/8" long with 5/16" hex slotted bit
  - 3/8" wide x 3-1/8" long with 5/16" hex slotted bit
- 4607** – 1/2" impact driver.
- 4608** – 3/8" impact driver.



**4512**

**Snap Ring Pliers Set – Internal/External**

- For internal or external snap rings; thumbscrew permits quick conversion.
- Made of heavy-gauge tempered steel.
- Includes two stainless steel handled picks.
- Contained in a blow-molded plastic storage case.

No. 4512 includes:	
Tool No.	Description
<b>4512-1</b>	.090" tip, straight pliers
<b>4512-2</b>	.090" tip, 90° pliers
<b>4512-3</b>	.070" tip, straight pliers
<b>4512-4</b>	.070" tip, 90° pliers
<b>4512-5</b>	.047" tip, straight pliers
<b>4512-6</b>	.047" tip, 90° pliers
<b>4512-7</b>	.038" tip, straight pliers
<b>4512-8</b>	.038" tip, 90° pliers
<b>4512-9</b>	Straight tip pick
<b>4512-10</b>	90° tip pick
All items can be purchased separately.	





**6986**

### SAE Stud Remover Set

This SAE, 4-piece, stud remover set offers the best professional extractors available. Designed and tested to reach studs in difficult work areas.

SAE stud remover set. 3/8" drive for 1/4" and 5/16" stud sizes, and 1/2" drive for 3/8" and 7/16" stud sizes. Housed in a blow-molded storage case.

- 6986-1 – 1/4" stud remover
- 6986-2 – 5/16" stud remover
- 6986-3 – 3/8" stud remover
- 6986-4 – 7/16" stud remover



**6987**

### Metric Stud Remover Set

This metric, 4-piece stud remover set offers the best professional extractors available. Designed and tested to reach studs in difficult work areas.

Metric stud remover set. 3/8" drive for 6 mm and 8 mm stud sizes, and 1/2" drive for 10 mm and 12 mm stud sizes.

Housed in a blow-molded storage case.

- 6987-6 – 6 mm stud remover
- 6987-8 – 8 mm stud remover
- 6987-10 – 10 mm stud remover
- 6987-12 – 12 mm stud remover



### Rolling Head Pry Bars

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

- 7163 – Pry bar; 12" long.
- 7165 – Pry bar; 18" long.

### Accutorq™ Klikker 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.



7375

7377

Tool No.	Torque Range	Graduations	Square Drive	Length
7375	100-1000 in.-lb (11-113 N·m)	10 in.-lb	3/8"	15-1/8"
7377	10-150 ft.-lb (14-203 N·m)	2 ft.-lb	1/2"	17-3/4"



**4629**

### Brass Hammer and Punch Set

- Brass-head hammer and punches are ideal to use where sparks from ferrous metals would be hazardous, or where precision metal parts could be damaged by steel tools.
- Two hammer head weighing 24 and 12 oz.
- Two tapered punches 14" x 5/8", 10" x 5/8".
- One hex tapered punch 8" x 5/8".
- Two drift punches 10" x 3/4", 8" x 1/2".
- Two pin punches 6" x 3/8", 4" x 1/4".



**4602**

### Brass Punch Set (2 piece)

- Two large, brass non-sparking punches. Ideal for use near precision parts or in locations where sparks from ferrous metal could be hazardous.
- Includes an 8" punch (5/8" hex, tapered to 3/8") and 10" straight punch (3/4" dia., chamfered at both ends).



**4606**

### Brass Hammer and Punch Set

- Brass-head hammer and punches are ideal to use where sparks from ferrous metals would be hazardous, or where precision metal parts could be damaged by steel tools.
- Hammer head weighs 24 oz.; brass drift punch is 10" x 3/4" diameter; brass tapered punch is 8" x 5/8" hex tapered to 3/8" diameter point.



**4605 Interchangeable Punch and Chisel Set**

- Safety protective handle allows easy grip and protects hand from being hit by hammer.
- 12 punches and chisels included:
  - 5 flat chisels:** 1/2", 5/8", 3/4", 7/8", and 1" wide blades
  - 1 cape chisel:** 1/4" wide blade
  - 2 taper punches:** 1/8" and 1/4" diameter
  - 2 pin punches:** 3/16" and 1/4" diameter
  - 2 center punches:** 1/8" and 3/16" diameter
- Double locking ball detent holds punch or chisel securely in the driver handle. Replacement parts available:

- 4605-1** — Drive handle
- 4605-2** — 1/2" wide flat chisel
- 4605-3** — 5/8" wide flat chisel
- 4605-4** — 3/4" wide flat chisel
- 4605-5** — 7/8" wide flat chisel
- 4605-6** — 1" wide flat chisel
- 4605-7** — 1/4" cape chisel
- 4605-8** — 1/8" taper punch
- 4605-9** — 1/4" taper punch
- 4605-10** — 3/16" pin punch
- 4605-11** — 1/4" pin punch
- 4605-12** — 1/8" center punch
- 4605-13** — 3/16" center punch

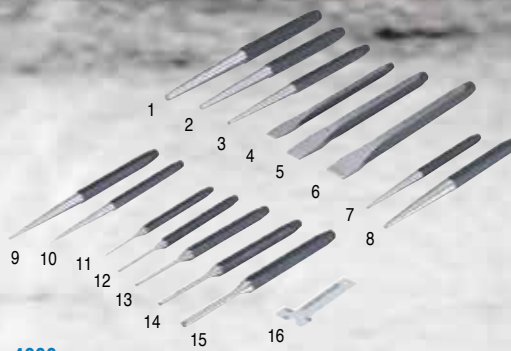


**6613 Variable Pin Spanner Wrench**

- Universal design fits many different types of pulleys having slots or holes, including camshaft pulleys and crankshaft pulleys.
- Wrench is adjustable from 1-1/4 inch to 5 inches; works with a 1/2 inch ratchet or breaker bar.

**Set Includes:**

- 526908-1** — 3.5 mm pin
- 526908-2** — 4 mm pin
- 526908-3** — 4.5 mm pin
- 526908-4** — 5 mm pin
- 526908-5** — 6 mm pin
- 526908-6** — 7 mm pin
- 526908-7** — 10 mm pin
- 526908-8** — Handle



**4600 Punch and Chisel Set (16 piece)**

- Durable set of heat-treated chrome vanadium steel punches and chisels. Storage tray included.
- Contents of set:
  - 3 — Cold chisels (with gauge): 3/8" x 5-1/2"; 1/2" x 6"; 5/8" x 6-1/2"
  - 2 — Center punches: 1/8" x 5"; 3/16" x 6"
  - 5 — Pin punches: 3/32" x 4-1/4"; 1/8" x 4-3/4"; 5/32" x 5"; 3/16" x 5-1/4"; 1/4" x 5-3/4"
  - 5 — Taper punches: 3/32" x 5-1/4"; 1/8" x 5-3/4"; 5/32" x 6"; 3/16" x 6-1/4"; 1/4" x 6-3/4"
  - 1 — Chisel gauge

Available separately:		
No.	Part No.	Description
1	<b>4600-15</b>	Taper Punch, 1/4" x 6-3/4"
2	<b>4600-14</b>	Taper Punch, 3/16" x 6-1/4"
3	<b>4600-13</b>	Taper Punch, 5/32" x 6"
4	<b>4600-3</b>	Cold Chisel, 3/8" x 5-1/2"
5	<b>4600-2</b>	Cold Chisel, 1/2" x 6"
6	<b>4600-1</b>	Cold Chisel, 5/8" x 6-1/2"
7	<b>4600-4</b>	Center Punch, 3/16" x 8"
8	<b>4600-5</b>	Center Punch, 1/8" x 5"
9	<b>4600-12</b>	Taper Punch, 1/8" x 5-3/4"
10	<b>4600-11</b>	Taper Punch, 3/32" x 5-1/4"
11	<b>4600-10</b>	Pin Punch, 3/32" x 4-1/4"
12	<b>4600-9</b>	Pin Punch, 1/8" x 4-3/4"
13	<b>4600-8</b>	Pin Punch, 5/32" x 5"
14	<b>4600-7</b>	Pin Punch, 3/16" x 5-1/4"
15	<b>4600-6</b>	Pin Punch, 1/4" x 5-3/4"
16	<b>4600-16</b>	Chisel Gauge



**4576 Universal C-Frame Nut Splitter**

- Forged and heat-treated frame with offset handle works where ordinary nut splitters may fail. Smooth action cracks nuts without damaging bolt threads.
- Chisel rotates to line up parallel to bolt. Splits non-heat-treated nuts of 7/16" (11mm) through 3/4" (19mm) diameter. Tool is 6-3/4" in length.



**4514 Mini Snap Ring Pliers Set (4 Piece)**

- Small-size pliers for work in tight areas. Service S-ring and R-ring clips, internal or external, straight or angled. Ruggedly built of heat-treated chrome molybdenum steel.
- Set includes two internal snap ring pliers (one straight, one 45°) and two external snap right pliers (one straight, one 45°).
- All pliers have .038" (1.0mm) diameter tips.



**4550 Scraper Set**

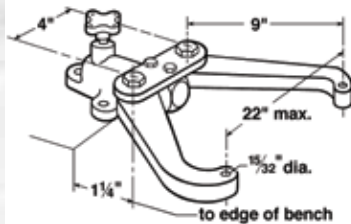
- Scrapers feature polished, heat-treated, stiff, stainless steel blades. Handles are ergonomic two-component plastic and feature a non-slip grip and steel bolstered end. Packaged in a storage tray. Includes: 1-1/4" straight blade, 1-1/4" bent blade, and 2" straight blade tips.



**4651 Screw Extractor Set**

- Removes broken studs and bolts.
- Includes ten guide bushings, five drill bits and five screw extractors with extractor nuts.
- Drill bits are left handed to help removal.





### 7020

#### Bench-Mounted Holding Fixture

Securely hold and rotate small engines, transmissions, and other components while you're working on them.

- This holding fixture will handle pieces weighing up to 250 lbs., and it offers 360° of rotation with positive stops at 90° increments.
- Three sides of the mounted unit remain fully exposed.

**34607** – Base assembly only.



#### Universal Outside Thread Chaser

This thread chaser will quickly restore threads on fork tubes, steering stems, axles, etc. 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-1.5 mm-1.75 mm, 2 mm-2.5 mm-3.0 mm-3.5 mm; 4 mm pitch dies.

### 206803

V-pad.



### 4650

#### Mirror and Magnet Set

- Handles telescope from 6-1/2" to 25". Swivel heads allow access to tight areas.
- Large, rectangular swivel mirror is 2" x 3-1/2", and is attached to one telescoping handle; small mirror is 1-1/4" in diameter, and is interchangeable with magnets on the other handle.
- Magnets can lift up to 8 lbs.



For product videos visit [otctools.com](http://otctools.com)

YouTube



## Spectrum Work Lights

- AC/DC Rechargeable
- Li-Ion battery
- Magnetic base
- Bright LEDs - 50,000 hour life
- Adjustable 60° angle
- Slip resistant textured body
- Impact and water resistant
- Limited Lifetime Warranty

### 5550

Spectrum Solar 10W LED Work Light with UV Top Light



### 5551

Spectrum Trio 9W LED Work Light with 3W LED Top Light



### 5552

Spectrum 30+4 30 Pc. LED Work Light with 4 Pc. LED Top Light



5550 Specifications	5551 Specifications	5552 Specifications
10W LED Work light with UV Top Light	9W LED Work light with 3W LED Top Light	30 Piece LED Work light with 4 Piece LED Top Light
LI-ION Rechargeable Battery – 3.6V 2250 mAh, AC/DC	LI-ION Rechargeable Battery – 3.6V 2250 mAh, AC/DC	LI-ION Rechargeable Battery – 3.6V 2250 mAh, AC/DC
Charger Input AC 100 ~ 240V; 50/60Hz; DC12V ~ 24V	Charger Input AC 100 ~ 240V; 50/60Hz; DC12V ~ 24V	Charger Input AC 100 ~ 240V; 50/60Hz; DC12V ~ 24V
Power Output: 5.0V 1000 mA	Power Output: 5.0V 1000 mA	Power Output: 5.0V 1000 mA
Charger Time: 3.5 ~ 4.0 hours	Charger Time: 3.5 ~ 4.0 hours	Charger Time: 3.5 ~ 4.0 hours
Active Time: 2.5 hours	Active Time: 3.0 hours	Active Time: 4.0 to 5.0 hours
Storage Temperature: -4°F to 158°F; -20°C to 70°C	Storage Temperature: -4°F to 158°F; -20°C to 70°C	Storage Temperature: -4°F to 158°F; -20°C to 70°C
Operating Temperature: 23°F to 122°F; -5° to 50°C	Operating Temperature: 23°F to 122°F; -5° to 50°C	Operating Temperature: 23°F to 122°F; -5° to 50°C
PS: LED Sector: 170°	PS: LED Sector: 25°	PS: LED Sector: 15°
At 50 cm: 350 LUX (750 LM)	At 50 cm: 4000 LUX	At 50 cm: 2250 LUX
Waterproof Grade IP65	Waterproof Grade IP65	Waterproof Grade IP65



**Motorcycle/ATV/UTV/Snowmobile Tools**

**Engine/Fuel/Oil**

Cam Bearing Remover/Installer Kit, Twin Cam Inner.....4

Cam/Crank Locking Tool, Twin Cam & Dyna.....3

Cam/Crank Locking Tools.....3

Chain Tensioner Unloader Tool, Camshaft.....4

Clamp Pliers, Ear Type.....4

Compression Tester Kit, Motorcycle.....5

Cooling System Pressure Tester.....3

Cylinder Leakage Tester Kit.....5

Drain Plug Pro™.....2

Fuel Injection Service Kit, Basic.....3

Funnel, Flexible Spout.....2

Hose Clamp Pliers Set.....2

Hose Pinch Off Pliers Set, 3 Piece.....2

Hose Removal Set (6-piece).....2

Hose Removal Tool.....2

Oil Filter Ring.....2

Oil Filter Sockets.....2

Oil Filter Wrench, 2 way, 3 leg.....2

Oil Filter Wrench, Swivel Handle.....2

Piston Ring Compressor Set with Ring Expander.....3

Piston Ring Compressor Set, 6 Piece.....3

Piston Ring Expander Pliers, Adjustable.....2

Sensor Socket Set (8-Piece).....3

Spark Tester, Electronic Ignition.....4

Tappet Block Alignment Set.....4

Tappet Oil Filter Screen Plug Tool.....4

Timing Light, Digital.....5

Timing Plug.....4

Timing Tensioner Locking Pin Set.....4

Vacuum Hose & Fuel Line Removal Tool.....2

Vacuum/Pressure Gauge Kit.....5

Valve Spring Compressor.....3

Valve Spring Compressor, Heavy Duty.....3

Water Pump Drive & Rotor Puller.....4

Wrist Pin Installer & Remover Tool.....4

**Driveline/Transmission**

Axle Tool, Hex 4-in-1.....8

Axle Wrench, Rear.....8

Bearing and Puller Set, 7-Ton Multi Purpose.....9

Bearing Splitter Kit, 5-Ton Pressure Beam.....9

Belt Tension Gauges.....8

Chain Alignment Tool.....8

Chain Breaker and Riveting Tool Kits.....8

Chain Brush.....8

Chain Master Link Clip Tool.....8

Chain Master Link Plate Tool.....8

Chain Tensioner, Motorcycle/ATV.....9

Clutch Alignment Tools.....7

Clutch Compressor Tool.....7

Clutch Holder, Universal.....7

Clutch Holding Fixture.....7

Clutch Holding Tool.....7

Clutch Holding Wrench.....7

Clutch Hub and Alternator Puller.....6

Clutch Puller, Secondary Drive.....7

Clutch Pullers.....7

Clutch Pullers, Primary Drive.....7

Clutch Spider Nut Driver.....8

Clutch Spider Nut Socket.....8

Clutch Spider Tool.....8

Clutch Spring Compressor Tools.....7

CV Boot Clamp Cutter.....9

CV Joint Banding Tool and Cutter.....9

Flywheel Puller Kit.....6

Flywheel Puller, Heavy Duty.....7

Flywheel Pullers.....6

Flywheel Socket Set.....6

Main Drive Gear Tool, 5 Speed.....6

Pliers, Horseshoe Lock Ring.....9

Pliers, Retaining Ring.....9

Primary Drive Locking Tool.....10

Primary Locking Bar, Adjustable.....10



Puller, 7-Ton Grip-O-Matic .....	9
Puller, Blind Hole Puller Set .....	9
Puller, Flange .....	10
Puller, Flange Puller Set (48 piece).....	9
Puller, Flange-Type Puller Combination.....	9
Puller, Flange-Type Puller Combination.....	10
Puller, Griplock 2 Ton, 3 Jaw.....	10
Puller, Griplock 5 Ton, 3 Jaw.....	10
Puller, Pilot Bearing Puller.....	9
Puller, Pulley and Flywheel .....	10
Puller/Bearing Separator Set, 5-Ton Bar-Type .....	10
Puller/Installer Kit, Transmission & Steering Bearing .....	6
Pulley Holder Locking Pliers Set, Universal .....	10
Pulley Holder Locking Pliers, Universal.....	10
Pulley Holder, Heavy Duty .....	10
Pulley Holder, Universal .....	10

### Chassis/Body

Ball Joint Service Kit.....	11
Battery Charger & Maintainer.....	12
Bearing Driver Set.....	12
Bearing Installation Tool, Steering Stem .....	12
Bearing Installer, Steering Head.....	11
Bearing Puller, Blind Hole.....	12
Bearing Puller, Swing Arm Pivot.....	11
Bearing Tool, Swing Arm .....	11
Coil Spring Compressor Locking Plier.....	11
Fork & Shock Vice.....	12
Fork Cap & Compression Valve Socket Set.....	11
Fork Spring Compressor Kit.....	11
Profile Gauge, 10" .....	12
Puller/Bearing Separator, 7-Ton Bar Type .....	12
Spanner Wrench, 2" - 4 3/4".....	12
Spanner Wrench, 3/4" - 2".....	12
Steering Knuckle/Ball Joint Separators, ATV .....	11
Swing Arm Tool .....	11
Trim Tool Kit (11 Piece).....	12
Wheel Bearing Removal/Installation Kit .....	12

### Wheel/Brake

Bearing Race Remover, Steering Neck.....	14
Brake Bleeder, Vacuum.....	14
Brake Caliper Spreader.....	14
Brake Fluid Tester .....	13
Brake Piston Removal Locking Pliers.....	14
Break Bleeder Hose, One Man.....	14
Fluid Stopper Kit.....	14
Master Cylinder Snap-Ring Pliers .....	14
Safety Wire Drill Guide Set, SAE & Metric Set.....	14
Safety Wire Twist Pliers.....	14
Spoke Tool Set (9 Piece) .....	13
Spoke Torque Wrench Set (22 Piece).....	13
Spring Hook (6" reach) .....	14
Strap Wrench, Multi-purpose .....	13
Tire Bead Alignment Tool.....	13
Tire Bead Holding Tool, Long.....	13
Tire Bead Holding Tool, Std. ....	13
Tire Gauge, Digital .....	13
Tire Pressure/Tread Depth Gauge Tire Spoon with Grip .....	13
Tire Valve Core Tool.....	13
Tire Valve Installer/Remover Tool .....	13
Vacuum Pump, Deluxe.....	14
Wheel Rim Protector Set, (3 piece).....	13

### Electrical

Battery Terminal Brush.....	15
Battery Terminal Wrench, 10mm, 12 pt.....	15
Battery Terminal Wrench, 5/16", 6 pt.....	15
Circuit Tester .....	15
Crimping Pliers, Crimpwell™ Angled .....	16
Flexible Magnetic/Claw Pick Up Tool .....	16
Heat Shrink Tubing Set (171 Piece).....	15
Heat Shrink Tubing Set, Waterproof (106 Piece) .....	15
Ignition Switch Housing Alignment Tool .....	15
Multimeter, Amp Clamp .....	15
Multimeter, Digital .....	15
Multimeter, Probe .....	15



Remote Starter Switch, Heavy-Duty.....	15	Pick & Hook Set (4 Piece), Long .....	18
Scissors, Multi-Purpose.....	16	Pick & Hook Set (4 Piece), Short.....	18
Terminal Release Tool Set.....	16	Pick and Hook Set – 4-Piece, Mini .....	19
Wire Connector Tool Set (2 Piece).....	15	Pry Bar Set, Handled.....	18
Wire Holder, Dual End .....	16	Pry Bars, Rolling Head .....	20
Wire Holder, Magnetic Clamp.....	16	Punch and Chisel Set (16 piece).....	21
Wire Pulling Tool .....	15	Punch and Chisel Set, Interchangeable .....	21
Wire Stripper, Automatic.....	16	Scraper Set.....	21
Wire Tool, CrimPro™ 4-in-1 .....	16	Screw Extractor Set.....	21
Wire Tool, CrimPro™ 4-in-1 Angled.....	16	Screwdriver Set, Super Stubby .....	18
<b>Fasteners</b>		Snap Ring Pliers Set – Internal/External .....	19
Metric Ball Hex “L” Keys 1.5mm to 10mm (10 piece).....	17	Snap Ring Pliers Set (4 Piece), Mini .....	21
Metric Hex Socket Set (7 piece).....	17	Spanner Wrench, Variable Pin .....	21
SAE Ball Hex “L” Keys 1/16" to 3/8" (10 piece) .....	17	Stud Remover Set, Metric .....	20
Tool Pack, Personal .....	17	Stud Remover Set, SAE.....	20
TORX® Plus “L” Keys TP8 to TP50 (10 piece) .....	17	Thread Chaser, Universal Outside .....	22
TORX® Plus Socket Set (9 piece) .....	17	Torque Wrenches, Accutorq™ Clikker.....	20
TORX®, External TORX® Socket set (7 piece) .....	17	Tray, Magnetic.....	19
TORX®, Master TORX® Bit Socket Set, 52 Piece.....	17	Vice Inserts, Aluminum.....	18
TORX®, Standard TORX® “L” Keys T8 to T50 (10 piece).....	17	Work Lights.....	22
TORX®, Standard TORX® Socket Set T10 to T60 (12 piece).....	17		
<b>General/Lift</b>			
Ball Hone Set, 10 piece.....	18		
Brass Hammer and Punch Sets .....	20		
Brass Punch Set (2 piece).....	20		
Bushing Driver Set, Master.....	18		
C-Frame Press, Portable Multi Purpose.....	18		
Crimper, 7-in-1 Wire Stripper & Crimper .....	19		
Crimper, Ratcheting Terminal.....	19		
Cutter, Ratcheting Hose & PVC Cutter (Heavy Duty).....	19		
Cutter, Ratcheting Hose & PVC Cutter (Standard).....	19		
Holding Fixture, Bench-Mounted .....	22		
Hose Cutter, Straight-Blade.....	19		
Impact Drivers .....	19		
Lift, Motorcycle/ATV .....	19		
Mirror and Magnet Set.....	22		
Nut Splitter, Universal C-Frame.....	21		

# MOTORCYCLE TOOLS NUMERICAL INDEX

464.....	10	4527.....	9	4673-2.....	3	4838.....	3
465.....	10	4532.....	9	4673-3.....	3	4839.....	2
518.....	10	4550.....	21	4673-4.....	3	4840.....	3
525.....	9	4565.....	2	4673-5.....	3	4842.....	3
714.....	9	4568.....	2	4673-6.....	3	4844.....	3
981.....	9	4572.....	3	4673-7.....	3	4845.....	4
1037.....	9	4576.....	21	4721.....	9	4846.....	4
1545.....	19	4581.....	12	4723.....	4	4847.....	4
3176.....	12	4598.....	13	4738.....	8	4848.....	2
3367.....	5	4599.....	14	4739.....	8	4849.....	4
3633.....	15	4600.....	21	4740.....	14	4850.....	6
3650.....	15	4600-1.....	21	4741.....	13	4851.....	4
3833-15.....	13	4600-2.....	21	4742.....	6	4852.....	10
3833-17.....	13	4600-3.....	21	4743.....	14	4856.....	10
3907.....	15	4600-4.....	21	4744.....	8	4858.....	7
3908.....	15	4600-5.....	21	4745.....	8	4860.....	6
3910.....	15	4600-6.....	21	4746.....	8	4862.....	6
4410.....	18	4600-7.....	21	4747.....	13	4864-1.....	6
4411.....	19	4600-8.....	21	4748.....	8	4864-2.....	6
4412.....	19	4600-9.....	21	4749.....	8	4864-3.....	6
4437.....	3	4600-10.....	21	4750.....	13	4864-4.....	6
4437-8.....	3	4600-11.....	21	4751.....	13	4864-5.....	6
4461.....	16	4600-12.....	21	4754.....	10	4864-6.....	6
4467.....	16	4600-13.....	21	4758.....	9	4866.....	4
4480.....	3	4600-14.....	21	4769.....	13	4870.....	14
4490.....	19	4600-15.....	21	4770.....	13	4875.....	3
4496.....	2	4600-16.....	21	4771.....	13	4876.....	3
4497A.....	19	4602.....	20	4775.....	13	4878.....	15
4498.....	19	4605.....	21	4777.....	13	4880.....	8
4507.....	12	4605-1.....	21	4779.....	12	4882.....	8
4509.....	19	4605-2.....	21	4780.....	17	4884.....	11
4509-1.....	19	4605-3.....	21	4781.....	18	4886.....	11
4510.....	2	4605-4.....	21	4782.....	15	4888.....	6
4510-8.....	2	4605-5.....	21	4783.....	16	4888-1.....	6
4510-10.....	2	4605-6.....	21	4784.....	12	4888-2.....	6
4510-12.....	2	4605-7.....	21	4786.....	18	4888-3.....	6
4512.....	19	4605-8.....	21	4790.....	12	4888-4.....	6
4512-1.....	19	4605-9.....	21	4791.....	12	4888-5.....	6
4512-2.....	19	4605-10.....	21	4792.....	12	4889.....	11
4512-3.....	19	4605-11.....	21	4794.....	14	4889-1.....	11
4512-4.....	19	4605-12.....	21	4795.....	14	4889-2.....	11
4512-5.....	19	4605-13.....	21	4796.....	14	4889-3.....	11
4512-6.....	19	4606.....	20	4797.....	12	4889-4.....	11
4512-7.....	19	4607.....	19	4799.....	14	4889-5.....	11
4512-8.....	19	4608.....	19	4800.....	6	4889-6.....	11
4512-9.....	19	4614.....	15	4801.....	7	4891.....	11
4512-10.....	19	4616.....	15	4802.....	10	4892.....	11
4514.....	21	4617.....	15	4803.....	10	4896.....	2
4515.....	19	4623.....	9	4804.....	10	4898.....	2
4517.....	12	4629.....	20	4813.....	15	4948.....	4
4518.....	10	4650.....	22	4814.....	15	4964.....	11
4521.....	2	4651.....	21	4818.....	16	4965.....	11
4522.....	2	4673-1.....	3	4822.....	15	4966.....	11



4968.....	11	6156.....	17	6954.....	17	7403.....	10
4970.....	7	6157.....	17	6954-1.....	17	7419.....	4
4971.....	7	6170.....	17	6954-2.....	17	7559A.....	14
4972.....	7	6171.....	17	6954-3.....	17	7737.....	16
4974.....	7	6172.....	17	6954-4.....	17	7738.....	16
4975.....	7	6173.....	17	6954-5.....	17	7740.....	16
4978.....	7	6174.....	17	6954-6.....	17	7741.....	16
4979.....	7	6175.....	17	6954-7.....	17	7742.....	16
4980.....	7	6176.....	17	6954-8.....	17	7743.....	16
4984.....	7	6177.....	17	6954-9.....	17	7790.....	9
4985.....	7	6180.....	17	6954-10.....	17	7991.....	3
4986.....	7	6181.....	17	6956.....	17	8104.....	14
4987.....	8	6182.....	17	6956-1.....	17	8203.....	18
4988.....	8	6183.....	17	6956-2.....	17	8260.....	2
4989.....	8	6184.....	17	6956-3.....	17	8262.....	18
4990.....	7	6185.....	17	6956-4.....	17	8263.....	18
4991.....	7	6186.....	17	6956-5.....	17	34607.....	22
4992.....	7	6187.....	17	6956-6.....	17	202817.....	22
4995.....	11	6188.....	17	6956-7.....	17	206803.....	22
5049.....	9	6191.....	17	6956-8.....	17	216884.....	22
5180.....	18	6589.....	4	6956-9.....	17	305085.....	13
5550.....	22	6613.....	21	6956-10.....	17	526908-1.....	21
5551.....	22	6642.....	12	6986.....	20	526908-2.....	21
5552.....	22	6673.....	8	6986-1.....	20	526908-3.....	21
5604.....	5	6703.....	14	6986-2.....	20	526908-4.....	21
5609.....	5	6703-1.....	14	6986-3.....	20	526908-6.....	21
5613.....	5	6703-2.....	14	6986-4.....	20	526908-7.....	21
5900A.....	17	6703-3.....	14	6987.....	20	526908-8.....	21
5911.....	2	6901.....	2	6987-6.....	20		
5912.....	16	6905.....	2	6987-8.....	20		
5950A.....	16	6930.....	10	6987-10.....	20		
5950S.....	16	6950.....	17	6987-12.....	20		
5953.....	16	6950-1.....	17	7011.....	18		
5955.....	16	6950-2.....	17	7011-1.....	18		
6100.....	17	6950-3.....	17	7011-2.....	18		
6101.....	17	6950-4.....	17	7011-3.....	18		
6102.....	17	6950-5.....	17	7011-4.....	18		
6103.....	17	6950-6.....	17	7011-5.....	18		
6104.....	17	6950-7.....	17	7011-6.....	18		
6105.....	17	6950-8.....	17	7011-8.....	18		
6106.....	17	6950-9.....	17	7011-10.....	18		
6107.....	17	6950-10.....	17	7011-12.....	18		
6108.....	17	6952.....	17	7011-14.....	18		
6109.....	17	6952-1.....	17	7020.....	22		
6110.....	17	6952-2.....	17	7163.....	20		
6111.....	17	6952-3.....	17	7165.....	20		
6112.....	17	6952-4.....	17	7206.....	13		
6150.....	17	6952-5.....	17	7313.....	9		
6151.....	17	6952-6.....	17	7375.....	20		
6152.....	17	6952-7.....	17	7375.....	20		
6153.....	17	6952-8.....	17	7377.....	20		
6154.....	17	6952-9.....	17	7377.....	20		
6155.....	17	6952-10.....	17	7402.....	22		





655 EISENHOWER DRIVE  
OWATONNA, MN 55060-0995 USA

TECH SERVICES 800 . 533 . 6127

FAX 800 . 955 . 8329

CUSTOMER SERVICE 800 . 533 . 6127

FAX 800 . 283 . 8665

[www.otctools.com](http://www.otctools.com)

