

OTC[®]

GENUINE TOOLS SINCE 1925 • OWATONNA, MINNESOTA

☆ **MOTORCYCLE TOOLS** ☆





4565
Swivel Handle Oil Filter Wrench

- Fits filters ranging from 2-7/8" to 3-3/8" (73 mm to 85 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.



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.



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.



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.



4522
Vacuum Hose & Fuel Line Removal Tool

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



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 which can be placed in tool drawer.



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.



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.



4673
Sensor Socket Set, 7 Piece

Set includes: 4673-1 29 mm Pressure / Vacuum Switch Socket 4673-2 7/8" Vacuum Switch Socket 4673-3 27 mm Oil Pressure Sending Unit Socket 4673-4 7/8" Vacuum Switch Socket 4673-5 1-1/16" & 1" Oil Pressure Sending Unit Socket 4673-6 7/8" Long Oxygen Sensor Socket 4673-7 7/8" Short Oxygen Sensor Socket.



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.



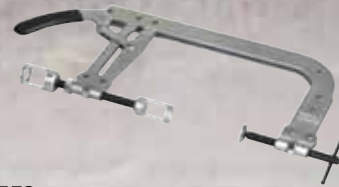
4742
Flywheel Puller Kit

- 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.



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.



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).



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.



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.



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 -14mm standard/ plus reach (extra length supports V-Twin applications).
- 12" flex hose -12mm standard reach.
- 12" flex hose -10mm standard reach.
- Rugged blow molded hard case with removable lid.



6589 Electronic Ignition Spark Tester

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



5613 Vacuum/Pressure Gauge Kit

The 5613 is deal 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.



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.



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.



3365
Advance Timing Light

Professional Advance Timing Light allows accurate adjustment of base and advance timing reading.

Unique features:

- Adjustable knob measures centrifugal, vacuum and computer advance
- On/Off touch control.
- 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 battery clips.
- Blow-molded case included.



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.

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.



4480
Fuel Pressure Test 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.



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.



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.



**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".



**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.



**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.



**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.



**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.



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

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.



**4518
5-Ton Bar Type Puller/
Bearing Separator**

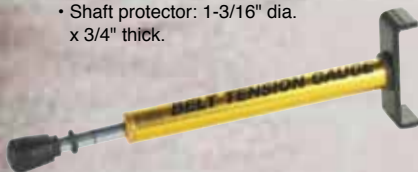
This combination set includes two bearing "splitters" (2" and 3"), four sets of hex push-puller legs and a 5" bar-type puller head with a 9/16" forcing screw. Separator tools are used with bar puller and legs for a wide variety of pulling jobs. Includes carry case.



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.



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.).



4801
Universal Clutch Holder

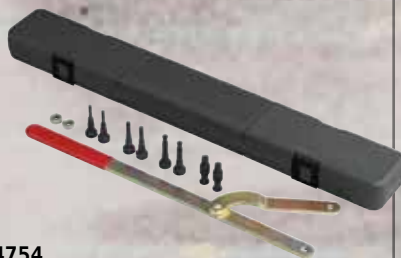
Holder arms designed to fit into the external teeth of a clutch hub, but can also be used on gears and sprockets. Opens to handle a 5" OD hub.



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 camshaft pulleys or crankshaft pulleys.
- 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.



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.



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. Replacement Strap - No. 305085.



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."



**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.



**4599
One Man Brake 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.

**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.



**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.
- Pumps up to 1 cubic inch (16cc) per stroke.
- Develops and maintains up to 25" of Mercury vacuum.
- 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.
- Automotive test and bleed adapters.
- User manual (English, Spanish, French).





**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.



**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.



**4740
Spring Hook**

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



**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.



**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.



**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.



**4581
Blind Hole Bearing Puller**

- For pulling jobs requiring an internal pull, such as pilot bearings.
- Set includes 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.
- Four collet sizes: 7/16" to 1/2", 9/16" to 11/16", 5/8" to 1", 1" to 1-1/4".
- Set includes a 2- 1/2 pound slide hammer with T-handle.
- Housed in a blow-molded plastic storage 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.



**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.



**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.



**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.



**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.



**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.



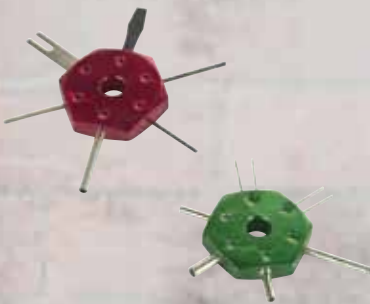
4616
Battery Terminal Wrench,
10mm, 12 pt.

- 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.



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.



4822
Wire Connector Tool Set,
2 Piece

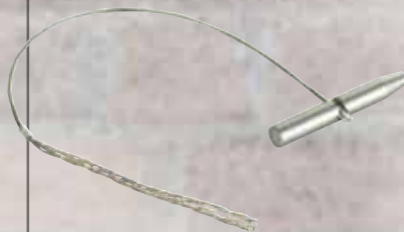
Designed to remove terminals from connector housing without damage to the terminal or connector. Set provides 12 different tool styles fit most common connectors.



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.



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.



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.



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.



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.



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.



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.



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.



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.



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.



4498
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.



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.



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.



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.

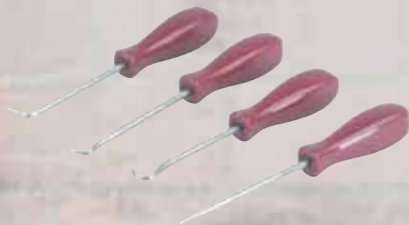


4512 Snap Ring Pliers Set

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

Contents of Set:

- 4512-1 – .090" tip - straight pliers
- 4512-2 – .090" tip - 90° pliers
- 4512-3 – .070" tip - straight pliers
- 4512-4 – .070" tip - 90° pliers
- 4512-5 – .047" tip - straight pliers
- 4512-6 – .047" tip - 90° pliers
- 4512-7 – .038" tip - straight pliers
- 4512-8 – .038" tip - 90° pliers
- 4512-9 – Straight tip pick
- 4512-10 – 90° tip pick



4515 Mini Pick & 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.



4608 Impact Driver

- 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 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.



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.



**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.



**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**

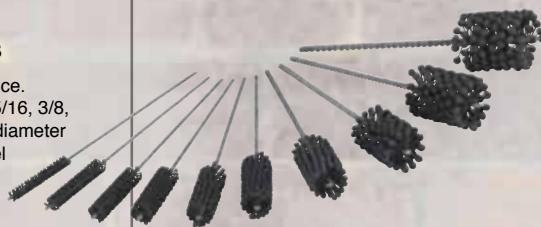
- Enables you to remove and install bushings ranging from 10mm to 42mm in diameter, and 3/8" to 1-3/8" in diameter, as used import cars, trucks, tractors, construction equipment, electric motors, and many other components having bushings.
- Includes large, medium, and small driver handles and adapters all made of steel.
- Housed in a blow-molded storage case.



**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.



**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 yoke's. Also useful for any bearing or bushing application.

- All hones are 180 grit Silicone Carbide for excellent cutting and finish.

Kit includes:

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



**5180
Portable Multi Purpose C-Frame Press.**

- Lightweight (less than 28 lbs.) and durable, the 5180 portable press is perfect for industrial, marine, roadside maintenance, and general automotive 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 Prybar 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.



6150
External Torx® Socket Set, 7 Piece

For servicing Torx® style specialty fasteners found on many OE and aftermarket components.

Set Includes:

- 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"

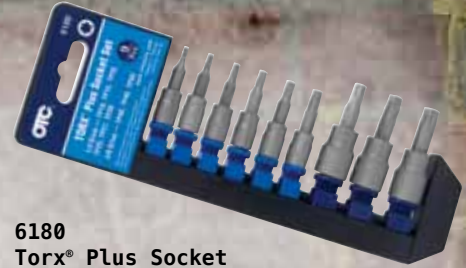


6170
Metric Hex Socket Set, 7 Piece

For servicing Hex socket style specialty fasteners found on many OE and aftermarket components.

Set includes:

- 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

For servicing Torx® Plus style specialty fasteners found on many OE and aftermarket components.

Set Includes:

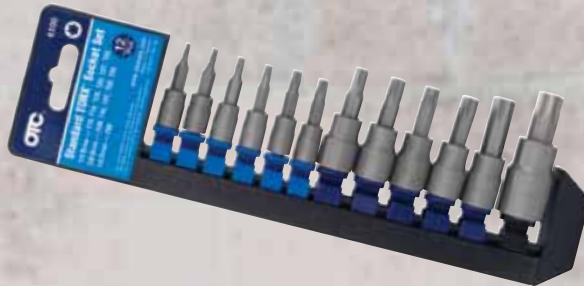
- 6181 – TP10 – 1/4"
- 6182 – TP15 – 1/4"
- 6183 – TP20 – 1/4"
- 6184 – TP25 – 1/4"
- 6185 – TP27 – 1/4"
- 6186 – TP30 – 1/4"
- 6187 – TP40 – 3/8"
- 6188 – TP45 – 3/8"
- 6191 – TP50 – 3/8"

6100
Standard Torx® Socket Set, 12 Piece

For servicing Torx® style specialty fasteners found on many OE and aftermarket components.

Set includes:

- 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"



6956
L Wrench, Torx® Plus 10 Piece

TORX® Plus 'L' Keys TP8 to TP50 (10 Piece)

Set includes:

- 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



6950
L Wrench, Fractional 10 Piece

SAE Ball Hex 'L' Keys 1/16" to 3/8" (10 Piece).

Set includes:

- 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
L Wrench, Metric 10 Piece

Metric Ball Hex "L" Keys 1.5mm to 10mm (10 Piece).

Set includes;

- 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



6986
Stud Remover Set, SAE

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

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



6954
L Wrench, Torx® 10 Piece

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

- 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



6987
Stud Remover Set, Metric

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

- 3/8" drive for 6mm and 8mm stud sizes, and 1/2" drive for 10mm & 12mm stud sizes.
- Housed in a blow-molded storage case.



7375
Torque Wrench

100-1,000 in. lbs. Accutorq™ Klikker torque wrench with 3/8" drive. Features include ratcheting head, all-metal construction, permanently roll-marked scales, and soft-grip rubber handle.



7377
Torque Wrench

30-150 ft. lbs. Accutorq Klikker torque wrench with 1/2" drive. Features include ratcheting head, all-metal construction, permanently roll-marked scales, and soft-grip rubber handle



7163
12" Rolling Head Pry Bar

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.



7165
18" Rolling Head Pry Bar

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.



**4629
Brass Hammer & Punch Set,
9 Piece**

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**

- Two large, brass non-sparking punches. Ideal for use near precision metal parts could be damaged by steel tools, 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 & Punch Set,
3 Piece**

- 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.



**4600
Punch and Chisel Set,
16 Piece**

- Durable set of heat-treated chrome vanadium steel punches and chisels. Storage tray included.
- Contents of set, available separately:
 - 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".



**6613
Variable Pin
Spanner Wrench**

- Universal design fits many different types of pulleys having slots or holes, including primary drives, final drives, fork caps, bearing adjusters, etc.
 - Wrench is adjustable from 1-1/4 inch to 5 inches; works with a 1/2 inch drive ratchet or breaker bar.
- Replacement Parts:
- 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



**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



**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 ring pliers (one straight, one 45°).

All pliers have .038" (1.0mm) diameter tips.



7020
Bench-Mounted
Holding Fixture

Securely hold and rotate 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.



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.



7402
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.
- 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: 1mm- 1.25mm-1.5mm-1.75mm, 2mm-2.5mm-3.0mm-3.5mm; 4mm pitch dies.



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.



OTC

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