



T71100 Battery Analyzer



- Compact, easy to use and fully portable
- Functions: alternator testing, battery testing and crank-motor testing
- Tests the condition of automotive battery using the conductance method
- Checks alternator's charging and engine starter conditions
- Large and easy to read LCD display
- Tests results based on JIS, EN, DIN, SAE & IEC standards
- Gets accurate results in milliseconds
- Use to test a wide range of 12V batteries

T71101 Digital Battery / Charging / Starting System Analyzer w/ Printer



- Checks battery charging and starting system
- Multistandard to norm SAE, DIN, IEC, liquid or gel lead and battery state/starting power instantaneous analysis
- Test 6V, 12V batteries and charging system, multiple rating systems
- Test discharged batteries down to 1.5V
- Operating range: 40 - 2000 cca

T71102 Digital Battery Load Test / Charging System Analyzer



- Microprocessor controlled design to guarantee an easy and accurate load test
- Automatically turns off the load after 10 seconds and latch the voltage
- For 12V battery system use only

T71103 125 Amp Hand-held Battery Load Tester



- Applications: 6V, 12V sli, agm & gel batteries
- Capacity: true 125 amp load
- Operating range: up to 1000 cca
- Test battery:
 - a) state of charge
 - b) cranking ability
 - c) charging system
 - d) starter condition



T71104 125 Amp Hand-held Battery Load Tester



- Applications: 6V, 12V sli, agm & gel batteries
- Capacity: true 125 amp load
- Operating range: up to 1000 cca
- Test battery:
 - a) state of charge.
 - b) cranking ability
 - c) charging system
 - d) starter condition.

T71192 Current Leakage Catcher



- Check leakage location rapidly
- Only connect the power wire according to the colors
- Quick evaluation and response from the tester if the part is aged or crank

T71146 Automotive Multimeter



- To solve and reset the car electrical problems
- Contents:
 - 1 - Mainframe
 - 1 - Inducted Hook
 - 1 - Thermal Covering Socket
 - 1 - Multi-Thermal Lead Red, Black Probe
 - 1 - Crashproof Rubber Jacket Manual
 - 1 - 8.9v Battery



T71244 Ignition Expert Set



- To operate gasoline engine have to accompany with ignition system
- Mainframe power line
- Spark tester
- Leakage current
- Connected line of red, blue, green, black
- Operating manual, CD



T75713 12 / 24V Battery Charger

- Portable bench charger
- Engine start assist capability
- Deep cycle charge
- Reverse connect protection
- Arc prevention technology



T75717 6 / 12 / 24V Battery Charger

- Infinite / dual / single charge rate
- Engine start assist capability
- Reverse connect warning LED indicator
- Battery level percentage and voltage indicator charging status amp meter full charge led
- High torque resist two hour timer / hold function, industrial grade cable & clamp equipped

T75714 Automatic Battery Charger and Starter

- Engine start assist capability
- Deep cycle charge
- Reverse connect protection
- Arc prevention technology





T70002 1-1/16" Deep Oil Pressure Switch Socket

- Removes and installs 1-1/16" oil pressure, sending units up to 2-5/8" long
- Heat-treated, alloy steel
- Use with 3/8" square drive or 1-1/8" hex
- Fits most 1991 to current GM vehicles using oil pressure gauge and 1987 to current Chrysler with light and gauge



T70004 1" & 1-1/16" Oil Pressure Switch Socket

- Removes and installs 1" and 1-1/16" oil pressure, sending units up to 1-5/8" long
- Heat-treated, alloy steel
- Use with 3/8" square drive
- Fits most small cars using an oil warning light



T70005 1-3/16" Oil Pressure Sending Unit Socket

- Removes and installs 1-3/16" oil pressure, sending units up to 4-1/4" long
- Heat-treated, alloy steel
- Use with 3/8" square drive or 3/4" hex
- Fits most late model GM vehicles using oil gauge



T70014 3/8" Dr. Offset Oxygen Sensor Wrench

- Removes and installs oxygen sensors on vehicles with computerized engine control
- Offset design for increased maneuverability
- 7/8" 6-pt socket with cutaway slot provides extra clearance for oxygen sensor wires



T70015 Oxygen / Vacuum Sensor Switch Socket

- Removes and installs oxygen sensors and vacuum switches on computerized engine control vehicles
- 7/8" hex socket with cutaway slot provides extra clearance for oxygen sensor wires during installation
- Use with 3/8" square drive



T75518 Compact Offset Oxygen Sensor Wrench

- Removes and installs oxygen sensors on vehicles with computerized engine control
- Offset design for increased maneuverability
- Features a 7/8" hex, 1/2" double square drive with cutaway slot providing extra clearance for oxygen sensor wires during installation



T75787 3pc Oxygen Sensor Socket Set



- Includes:
 - T70014 - 3/8" Dr. Offset Oxygen Sensor Wrench
 - T70015 - Oxygen / Vacuum Sensor Switch Socket
 - T75518 - 1/2" Double Square Dr. Offset Oxygen Sensor Wrench
- Contains 3 most popular oxygen sensor and vacuum switch sockets
- Chrome Vanadium steel, heat-treated for strength and durability
- Works on most computerized engine controlled vehicles



T75771 7pc Oxygen Sensor Socket Set



- Removes and installs oxygen sensors on vehicles with computerized engine control
- Contents:
 - 3 - 1/2" Dr.
 - 29mm x 90mm (7mm slot), 27mm (12pt) x 82mm,
 - 22mm x 50mm (90°)
 - 4 - 3/8" Dr.
 - 7/8" x 90mm (20mm slot), 1-1/16" x 74mm,
 - 7/8" x 80mm (7mm slot), 22mm x 31mm (90°)

T70045 Fuel Line Disconnect Tool



- Fits sizes: E=3/8", F=5/16"
- Releases locking couplings on 5/16" and 3/8" fuel lines

Applications:

GM 1989 to current, Ford 1990 to current, Mazda some models 1990 to current. Chrysler fuel injection models (except imports)

CAUTION - Release system pressure before using this tool

T70046 A/C Fuel Line Spring Lock Coupling Tool



- For Ford sizes A=3/4", B=5/8", C=1/2", D=3/8"
- Easily releases locking couplings on fuel & air conditioning lines

Applications:

Ford 1981 to current, Chrysler LH series

CAUTION - Release system pressure before using this tool

T70048 Ford / GM Quick Disconnect Tool



- Separates quick connectors from radiators, transmissions, power steering lines, and etc.

CAUTION - Release system pressure before using this tool

T70096 9pc Spring Lock Coupling Tool Set



- Separates spring lock air conditioning, fuel and transmission line connectors
- Spring-loaded closed clamp deflects any spray when disconnecting pressurized lines
- A/C Spring Lock Disconnecter: Color coded set of 4 sizes: 3/8" (Red), 1/2" (Blue), 5/8" (Black), and 3/4" (White) Services 1981 to current Ford and some 1994 to current Chrysler vehicles
- Fuel Line Tool: Works on 5/16", 3/8", and 1/2" fuel lines 3/8" (Yellow), 1/2" (Green) fittings release spring lock connectors 5/16" (Gray), 3/8" (Blue) release quick connect fuel line fitting
- Transmission, Radiator and Fuel Line Quick Disconnect Tool: Removes push lock connectors found on this equipment

CAUTION - Release system pressure before using these tools



T70098 6pc A/C & Fuel Line Quick Disconnect Tool Set



- Separates spring lock air conditioning, fuel line connectors
- Ideal for routine services on Ford, Chrysler, Jeep vehicles
- Convenient plastic holder included
- Sizes: 5/16", 3/8", 1/2", 5/8", 3/4" and 7/8"

CAUTION - Release system pressure before using this tool

Fuel Filter / Line Tools



- Separates fittings on fuel lines, fuel filters, fuel tank return lines, and transmission cooler lines
- Color coded, anodized aluminum

T70100 5/16" Fuel / Filter Line Tool

- 1990 - Current Ford Aerostar, Explorer, Bronco w/ 5/16" fuel lines
- 1991 - Current Ford E & F series trucks w/ 5/16" fuel lines
- 1992 - Current Ford Ranger w/ 5/16" fuel lines
- 1992 - Current GM w/ 5/16" fuel lines

T70101 3/8" Fuel Line Tool

- 1990 - Current Ford Aerostar, Explorer, Bronco w/ 3/8" fuel lines
- 1991 - Current Ford E & F series trucks w/ 3/8" fuel lines
- 1992 - Current Ford Ranger w/ 3/8" fuel lines
- 1994 - 1997 Dodge Ram V6 & V8 trucks w/ 3/8" cooler lines
- 1995 - 1996 Dodge Ram Van / Wagon w/ 3/8" cooler lines

T70102 1/4" Fuel Line Tool

- 1995 - 1996 Ford Mustang 1/4" fuel pump return line

T70103 Oil Cooler Line Tool

- Ford Taurus & Escort oil cooler lines on AXOD & ATX transmission

CAUTION - Release system pressure before using these tools

T75780 7pc Fuel / Filter Line Disconnect Tool Set



- Separates fittings on fuel lines, fuel filters, fuel tank return lines and transmission cooler lines
- Color coded anodized aluminum

T70100 - 5/16" Fuel Filter / Line Tool

T70101 - 3/8" Fuel Line Tool

T70102 - 1/4" Fuel Line Tool

T70103 - Oil Cooler Line Tool

T70047 - Ford Fuel Line Coupling Tool

T70048 - Ford / GM Quick Disconnect Tool

T70049 - Ford Oil Cooler Line Disconnect Tool

CAUTION - Release system pressure before using this tool

T75781 6pc Fuel and Air Conditioning Line Disconnect Tool Set



- Separates fittings on fuel lines and air conditioning lines
- Color coded, anodized aluminum for easy identification
- 6 Most popular sizes fit most vehicles:
5/16", 3/8", 1/2", 5/8", 3/4", and 7/8"

CAUTION - Release system pressure before using these tools



T75779 11pc Disconnect Tool Set



- T70045 - Fuel Line Disconnect Tool
- T70046 - Ford A/C & Fuel Line Spring Lock Coupling Tool
- T70047 - Ford Fuel Line Coupling Tool
- T70048 - Ford / GM Quick Disconnect Tool
- T70049 - Ford Oil Cooler Line Disconnect Tool
- T70052 - GM Heater Line Disconnect Tool
- T70100 - 5/16" Fuel Filter / Line Tool
- T70101 - 3/8" Fuel Line Tool
- T70102 - 1/4" Fuel Line Tool
- T70103 - Oil Cooler Line Tool
- T71538 - Clutch Coupling Tool

This master quick disconnect tool set broadens the applications of disconnecting fittings and spring lock couplings on fuel, filter cooler and transmission oil lines.














Applications:

- T70045 - GM 1989 - current, Ford 1990 - current, Mazda - some 1990 - current
- T70046 - Ford 1981 - current, Chrysler LH series
- T70047 - 1990 - current Ford Ranger & Explorer w/ 4.0L, 6 cyl engines
- T70048 - Ford CFI fuel lines with hair pin connectors; universal for radiator to transmission oil cooler lines; 1987 and later model Oldsmobile Tornado; Buick Riviera and Reatta; Cadillac Eldorado, Seville and Concours; 1989 and later model GM 1/2-ton, 3/4-ton, and 1-ton pickups
- T70049 - Ford vehicles with AXOD, AOD or ATX transmission
- T70052 - 1991- current GM 3.1L/3.4L and 3800 engines
- T70100 - 1990 - current Ford Aerostar, Explorer, Bronco w/ 5/16" fuel lines
 - 1991 current Ford E & F series Trucks w/ 5/16" fuel lines
 - 1992 current Ford Ranger w/ 5/16" fuel lines
 - 1992 current GM w/ 5/16" fuel lines
- T70101 - 1990 current Ford Aerostar, Explorer, Bronco w/ 3/8" fuel lines
 - 1991 current Ford E & F series Trucks w/ 3/8" fuel lines
 - 1992 current Ford Ranger w/ 3/8" fuel lines
 - 1994 - 1997 Dodge Ram V6 & V8 trucks w/ 3/8" cooler lines
 - 1995 - 1996 Dodge Ram Van / Wagon w/ 3/8" cooler lines
- T70102 - 1995 - 1996 Ford Mustang 1/4" fuel pump return line
- T70103 - Ford Taurus & Escort oil cooler lines on AXOD & ATX transmission
- T71538 - Ford Hydraulic Clutch

CAUTION - Release system pressure before using this tool



T75791 Master Disconnect Tool Set


Illustration	Tool No.	Description	Vehicle
	T70045	Ford / GM / Chrysler fuel line disconnect tool	GM, Chrysler and some Ford vehicles with quick connect fuel lines
	T70047	Ford fuel line coupling tool	1990 and later model Ford Rangers and Explorers with 4.0 liter 6 cylinder engines
	T70048	Ford / GM quick disconnect coupler tool	Ford CFI fuel lines with hair pin connectors; universal for radiator to transmission oil cooler lines; 1987 and later model Oldsmobile Tornado; Buick Riviera & Reatta; Cadillac Eldorado, Seville and Concours; 1989 and later model GM 1/2-ton, 3/4-ton, and 1-ton pickups
	T70049	Ford oil cooler line disconnect tool	1986 and later model Ford vehicles with AXOD, AOD, or ATX automatic transmissions
	T70052	GM heater line quick disconnect separator	1991 and later model GM vehicles with 3.1, 3.4, and 3.8 liter V6 engines
	T70095	Ford A/C spring lock coupling tool, White (3/4")	1981 and later Ford models, some 1994 and later model Chrysler vehicles
		Ford A/C spring lock coupling tool, Red (3/8")	1981 and later Ford models, some 1994 and later model Chrysler vehicles
		Ford A/C spring lock coupling tool, Blue (1/2")	1981 and later Ford models, some 1994 and later model Chrysler vehicles
		Ford A/C spring lock coupling tool, Black (5/8")	1981 and later Ford models, some 1994 and later model Chrysler vehicles
	T70174	Fuel line disconnect tool Yellow (3/8"), Green (1/2")	1987 and later model Ford vehicles with spring lock connectors
	T70175	Fuel line disconnect tool Gray (5/16"), Blue (3/8")	GM, Chrysler and Ford vehicles with spring lock connectors
	T70176	Ford / Chrysler heater hose disconnect tool set	1986 and later model Aerostar vans, 1991 and later model full size (E-series) vans
	T70177	Ford heater hose disconnect tool, Black	1995 and later model Ford Crown Victoria and Mercury Grand Marquis with the 4.6 liter engine
	T70178	Chrysler fuel line disconnect tool	1994 and later model Chrysler LH vehicles, as well as other Chrysler vehicles with quick-connect fuel lines
	T70179	Ford / GM fuel line disconnect tool set	1992 and later model Chevrolet Lumina & Monte Carlo; Pontiac Grand Prix; Oldsmobile Cutlass Supreme; Buick Regal (all with ABS); 1998 & newer Ford pickups (at the fuel sending unit)
	T71538	Ford clutch coupling tool	1988 and later model Ford F series trucks, Bronco II's Rangers, Explorers 1989 and later model Ford Thunderbirds; Mercury Cougars

CAUTION - Release system pressure before using this tool



T75700 Master Deluxe Line Disconnect Tool Set

- Separates fittings on fuel lines, fuel filters, and transmission cooler lines
- Unique offset design allows easy access in confined or obstructed areas
- Color coded , anodized aluminum for easy identification



T70160 (Dark Grey)	Size: 1/2", Deluxe Line Disconnect Tool	for most 1/2" lines.
T70161 (Blue)	Size: 5/8", Deluxe Line Disconnect Tool	for heater, A/C lines and more.
T70162 (Black)	Size: 3/4", Deluxe Line Disconnect Tool,	for heater, A/C lines and more.
T70163 (Silver)	Size: 7/8", Deluxe Line Disconnect Tool	for heater, A/C lines and more.
T70164 (Red)	Size: 5/16", Deluxe Line Disconnect Tool	for fuel & cooler lines.
T70165 (Gold)	Size: 3/8", Deluxe Line Disconnect Tool	for fuel & cooler lines.
T70166 (Green)	Size: 3/8", Deluxe GM Cooler Line Disconnect Tool	for transmission cooler lines.
T70167 (Purple)	Size: 3/8", Deluxe Cooler Line Disconnect Tool	for cooler lines on most Ford vehicles and on 2003 to current Cadillac CTS.

All disconnect tools are available individually packed

CAUTION - Release system pressure before using the tools



T70024 Serpentine Belt Tool



- Removes and installs belts on serpentine belt system
- Releases tension on serpentine belts with a spring loaded idler pulley
- Specially designed to reach confined areas
- Suitable for use on most types of vehicles
- Includes:
 - 4 - 3/8" Dr. 6pt Sockets (13, 15, 16, 18mm)
 - 3 - 3/8" Dr. Crowfoot Wrenches (13, 14, 15mm)
 - 2 - Bars (3/8" Dr., 1/2" Dr.)

T75531 Serpentine Belt Tool



- Removes and installs belts on serpentine belt systems
- Releases tension on serpentine belts a spring-loaded idler pulley
- Fits on most vehicles
- Contents:
 - 3 Bars for extra leverage
 - 13, 14, 15, 16, 18mm sockets and 3/8", 1/2" Dr. adapters (All sizes are designed with 16mm hex head and steel ball for easy locking to bars)
 - 3/8" - 16UNC nut

T70022 Hydraulic Valve Tappet Remover

- Slide hammer type tool removes stuck hydraulic valve tappets
- Includes puller adaptors for removing baked-in tappets



T70026 Hydraulic Lifter Puller

- Removes and installs hydraulic valve lifters
- Designed to fit into push rod holes
- Expands inside to remove lifter from bore
- For engines with space between the manifold and the head; no need to remove the manifold to replace the lifters



T70031 Valve Spring Compressor

- Removes valve spring in GM and other 8 cylinder engines using stud type rocker arms
- Compresses spring without removing cylinder head, by simply removing rocker arms and compress the spring by pulling handle



T70033 2pc Valve Lapper Set

- Sturdy hardwood handle and locking tap keeps valve from slipping and makes lapping easy
- Use with lapping compound (not included)



Model	Size
T70029	Small 5/6" and 13/16" Dia.
T70030	Large 1-1/8" and 1-3/8" Dia.



T70034 Valve Spring Compressor

- Compresses springs without removing cylinder heads
- Adjustable cam action eliminates need to reset tool
- Lever can be removed and replaced with socket



T70036 Valve Spring Compressor

- Great for compressing valve springs on overhead valve engines
- Use with cylinder head on or off the engine
- Adjustable jaws, GM adaptor included
- Works on Chrysler, Ford, Nissan and Toyota cars



T70039 Overhead Valve Spring Compressor

- Suitable for a wide range of OHV, OHC & CVH engines
- Allows the replacement of valve springs & valve stem oil seals without removing the cylinder head



T70032 Overhead Valve Spring Compressor

- Easily removes valve springs without removing cylinder head
- Offset jaws easily grip and compress valve springs
- Use with flexible air valve holders and air holder fittings to keep valves in place



T70040 OHC Valve Spring Compressor

- Designed for vehicles with overhead cam engines
- Jaw opening: 68mm-130mm



T70041 Valve Spring Compressor

- Compresses valve springs on L-head and overhead valve engines
- Jaw opening: 90mm-250mm
- Throat depth: 9-3/4"



T70042 Valve Spring Compressor

- Compresses valve springs on overhead valve engines
- Jaw opening: 75mm-165mm
- Throat depth: 7-1/2"



T70043 Valve Spring Compressor

- Compresses valve springs on "L" head and small overhead valve engines
- Strong, rigid frame keeps valve springs positively compressed during work
- Jaw opening: 75 - 135mm, Throat depth: 160mm





T70044 Valve Spring Compressor

- Compresses valve springs of OHC, OHV and CVH car and truck engines with recessed valves
- Jaw opening: 2-3/16" to 6-7/8"
- Throat depth: 6-1/2"
- Features dual cam-action, parallel lift, automatic locking, flexible valve keeper and magnetic jaws



T75538 Heavy Duty Valve Spring Compressor

- Heavy duty construction
- Compress valve springs for motorcycles and most vehicles
- 3 pushers to fit valve spring correctly and compress valve spring easily
- Sizes: 16.5 - 19mm, 21.5 - 23mm, 23.5 - 25mm
2 threads: 50mm and 90mm



T75502 Universal Valve Spring Compressor



The ideal solution for removing and installing valve springs. This tool can also be used without removing the cylinder head from the engine. Adjustable base positioning with fastening bolts immobilizes the tool while you work. Springs are efficiently compressed by single handed strokes of the adjustable lever, allowing access to remove or install spring retaining keepers. Operates on most domestic and import single / double overhead cam engines.

Applications:

Audi, Chrysler, Infiniti, Honda, Hyundai, Lexus, Mazda, Mitsubishi, Nissan, Porsche, Saturn, Toyota, Volvo, and Volkswagen

T72140 12pc Drain Plug Key Set



Key:

A = Black Axle, B = Gear Box, C = Sump

Hex	Square
8mm - BMW (A), Ford (B), GM (A,B)	8mm - Peugeot (A,B,C), Citron (B,C), Renault (C), Talbot (B,C), Volvo (C)
9mm - GM (A),	
10mm - Ford (A),	11mm - Ford (A,B),
12mm - Lancia (B,C), Peugeot Talbot (B,C)	13mm - Nissan (A,B), Subaru (A)
14mm - Lancia (B,C), Mercedes (A,B)	3/8" - Honda (B,C), Mazda (A,B), Renault (B,C), SAAB (B), Volvo (A,C)
17mm - Audi (B), Austin (B), BMW (B), VW (B)	
3/8" - BLMC (A)	

T75830 8pc Professional Grease Accessories Kit



Includes:

- 3 - 18" Grease Hose, 12" and 18" Grease Hoses with Spring
- 1 - Needle Nozzle
- 1 - Locking Swivel Coupler 9 1/8" NPT (F)
- 1 - Needle-Nose Grease Dispenser
- 1 - Angle Lube Adaptor
- 1 - Extension Coupler

- Convenient accessories kit for hand-operated grease guns
- Easily lubricates recessed fittings, steering and suspension systems on late model front wheel drives
- Locking sleeve adapters allow quick attachment to coupler of any control valve or lever gun



T70061 Professional Mechanics Stethoscope

- Sensitive, shockproof instrument easily locates noises in engines, bearings, and other moving parts
- Includes aluminum alloy probe / needle, surgical PVC, rubber trumpet, and plastic earphones



T70063 Automotive Stethoscope

- Quickly and accurately locates noise and trouble in engine and moving parts
- Includes a supersensitive plastic bulb diaphragm and two sensor probes



T70065 Rocker Arm Oil Plug Set

- Designed for late-model vehicles with hollow, oil-fed push rods
- 16 steel spring, clip-on oil plugs stored in convenient plastic case



T70068 Pulley Puller

- Removes pressed on 1 or 2 groove pulleys from alternators or power steering pumps
- Also easily removes alternator bearings
- Adjusted by simple thumbscrew movement



T70069 Pulley Removing Wrench

- Perfect for removing or assembling grooved pulleys on V-type belts
- Ideal for alternators and water pump pulleys, electric motors, tool machines, washing machines, and etc.



T71120 Power Steering Pump Pulley

- Dual function impact tool
- Double-sided flange fits most domestic vehicles
- Removes grooved power steering pumps
- Fits alternator pulleys from 1-1/8" to 1-3/8" (28-35mm)



T70074 Power Steering Pump Pulley Kit



- Removes and installs power steering pump pulleys
- Includes: Pulley remover, pulley installer and quick disconnect coupler tool
- Compatible with most current domestic cars

Applications:

1998 to current GM Quad 4 engines; 1990 to current Chevrolet Lumina APV, Pontiac TransSport, Olds Silhouette; 1991 to current (3.1L V-6) Chevrolet Lumina sedan, Pontiac Grand Prix; 1991 to current Ford (4.6L engines)



T75521 Power Steering Pump Pulley Replacer

- Time saving tool installs power steering pump pulleys and GM press-on type water pump pulleys
- Features a thrust bearing for easy turning and prevents pump damage
- Works on most Chrysler, Ford, GM, and VW cars



T70115 Universal Camshaft Pulley Holding Tool

- Specially designed with grooved pins to hold camshaft pulley firmly while loosening and tightening center shaft bolt
- Works on Nissan Maxima (VG30 engine), Toyota Camry (3VZFE & 1MZFE engines) and other popular Asian overhead cam engines



T70083 Fan Hub Wrench - 32mm

T70084 Fan Hub Wrench - 36mm

- Specifically designed to remove thermo-viscous fans fitted to Ford Granada, GM Carlton and Senator engines



T70137 Water Pump Pulley Holding Wrench

- Easily loosen stubborn bolts on water pump pulley
- Safely locks water pump pulley
- Works on VW and Audi



T70145 Water Pump Pulley Holding Wrench

- Easily loosen stubborn bolts on water pump pulley
- Safely locks water pump pulley
- Use with 1/2" Dr. ratchet
- Works on VW and Audi



T70139 Camshaft Alignment Tool - Audi V6

- Designed for easy fixing on crankshaft works
- Lock camshaft safely
- Works on Audi 80, 100, A4, A6, A8, Coupe / Cabrio 2.6 & 2.8, ABC / AAH (1991-1995)



T70142 Camshaft Alignment Tool -VW, Audi V6

- Designed for easy fixing on crankshaft works
- Lock camshaft safely
- Works on 1995-2004 new style VW, Audi V6



T70143 Camshaft Alignment Tool -VW, Audi V8

- Designed for easy fixing on crankshaft works
- Lock camshaft safely
- Works on VW, Audi V8 5-valve



T70140 Camshaft Alignment Tool - VW, Audi

- Designed for easy fixing on crankshaft works
- Lock camshaft safely
- Works on VE, Audi, 1.4 / 1.6L, VW Lupo, Polo, Golf IV, Bora / Audi A2


T70141 Camshaft Alignment Tool - VW, Audi

- Designed for easy fixing on crankshaft works
- Lock camshaft safely
- Contents: injection pump locking pin, tensioner locking tool, crankshaft locking tool
- Works on Audi, VW, Seat, Skoda with TDI PD and V6 engine


T70579 Timing Tool Set

- Specially designed to correct timing adjustment on VAG 2.0L, TPI PD DOHC engines
- Essential tools for setting and locking the engine
- Works on Audi A4, A6, VW Golf, Jetta, Touran, Skoda


T70155 Crankshaft Locking Pin - 12mm
T70156 Crankshaft Locking Pin - 18mm

- Specially designed to fix crankshaft angle
- To correct timing adjustment
- Works on VW, Audi V6, V8 engines


T70157 Crankshaft Locking Tool

- Specially designed to lock crankshaft
- Works on VW, Audi, Seat, Skoda 2.0 TDI engine


T75637 Camshaft Alignment - BMW

- Designed for easy fixing on crankshaft works and set camshaft timing
- Lock camshaft safely
- Works on BMW M40, M70 engine


T75638 19pc Timing Locking Tool Set


- Master timing lock tool set to correct engine timing while replace the timing belt
- Works on Ford, Mazda, Opel, Saab, Land Rover, Citroen, Peugeot, VW, Isuzu, Honda and most import vehicles



T75639 Timing Tool Set



- Specially designed to correct timing adjustment
- Works on VW Lupo, Polo 1.2 L engines

T70170 Valve Adjusting Tool -Nissan

- Specially designed for easy valve adjustment on all Nissan and most vehicles with overhead camshaft engines using spacer shims



T70171 Valve Adjusting Tool -Toyota

- Specially designed for easy valve adjustment on all Toyota Lexus and most vehicles with overhead camshaft engines using spacer shims



T70172 Valve Adjusting Tool

- Specially designed for easy valve adjustment on overhead camshaft engines
- Works on Volvo, Opel and many other european vehicles



T70545 Valve Stem Seal Remover

- Efficiently removes valve stem seals as well as lower valve spring guides
- Long, heavy duty handles for extra leverage
- Serrated jaws ensure a non-slip grip of the seal
- Narrow design for access in confined spaces



T70173 Diesel Injection Pump Wrench

- Specially designed to fasten injection pump screws when replacing toothed belt and adjusting injection start
- Size - 13mm, 12pt
- Works on Audi 80, 1.6 4 cyl diesel engine, VW Golf, Jetta, Caddy, Passat and Santana



External Thread Restorer Files

- Restores damaged threads on any diameter bolt, stud, axle or shaft
- Renews both right and left hand threads



Model	Thread size
T73430	0.75, 1.0, 1.25, 1.50, 1.75, 2.0, 2.5, 3.0
T73431	11, 12, 13, 14, 16, 18, 20, 24
T73432	9, 10, 12, 16, 20, 27, 28, 32



T73433 External & Internal Restorer Files (Metric)

- Restores damaged threads on any diameter bolt, stud, axle, or shaft. Renews both right and left hand threads
- Designed for narrow areas
- Thread sizes (Metric):
0.75mm, 1.0mm, 1.25mm, 1.5mm, 1.75mm, 2mm, 2.5mm, and 3mm



T73434 External & Internal Restorer Files (SAE)

- Restores damaged threads on any diameter bolt, stud, axle, or shaft
- Renews both right and left hand threads
- Designed for narrow areas
- Description pitch sizes SAE file:
24 - 20 - 18 - 16 - 14 - 12 - 11 - 10



T75607 Axle Spindle Re-Threading Set



- Includes:
Die Sizes: M24 x 1.50, M24 x 2.00, M22 x 1.00, M22 x 1.50, M20 x 1.50, M20 x 1.25, 13/16" x 20UNF, 3/4" x 20UNF

This tool set accesses axle threads on spindles of eight popular die sizes for both cleaning and rethreading jobs.

Operates with 1-1/4" socket or wrench

Applications:

Most domestic or imported front wheel drive vehicles

T75611 Universal Outside Threader Chaser



- Includes:
6 Thread chaser dies, SAE threads per inch:
4, 5, 6, 7, 7-1/2, 8, 9, 10, 11, 11-1/2, 12, 14, 16, 18, 20, 24
Metric threads per pitch:
1.0mm, 1.25mm, 1.5mm, 1.75mm, 2.0mm, 2.5mm, 3.0mm, 3.5mm

The damage-free solution for repairing external threads, and restoring them to their original condition.

Capacity range: 1-1/4" to 5" O.D.

T75617 5pc External Thread Restorer File Set



- Includes:
Metric File: 0.75mm, 1.0mm, 1.25mm, 1.5mm, 1.75mm, 2mm, 2.5mm, 3mm
SAE File: 11, 12, 13, 14, 16, 18, 20, 24 threads per inch
SAE File: 9, 10, 12, 16, 20, 27, 28, 32 threads per inch
SAE Thread Pitch Gauge Sizes: 4, 4.5, 5, 6, 7, 8, 9, 10, 11, 12, 14, 16, 18, 19, 20, 22, 24, 26, 28, 32, 40, & 48 threads per inch
Metric Thread Pitch Gauge Sizes: 0.40, 0.45, 0.50, 0.55, 0.60, 0.70, 0.75, 1.00, 1.25, 1.50, 1.75, 2.0, 2.5, 3.0, 3.5, 4.0, 4.5, 5.0, 5.5, and 6.0mm
- Effectively repairs and restores external threads to their original condition on any diameter stud, bolt, shaft or axle, renews LHS or RHS threads efficiently by filing and cutting
- Screw pitch gauges measure U.S. or "V" threads in SAE and Metric sizes



T75621 43pc Re-Threading Set -UNC, UNF, Metric Sizes



- A comprehensive re-threading kit for repairing or renewing damaged threads on nuts, bolts or studs
- Highly tempered, hex-shaped for socket or wrench use

21 Re-Threading Dies: (For chasing (repair) work only)

National Coarse (Silver): 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8"

National Fine (Black): 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8"

Metric (Gold): 6 x 1.00, 8 x 1.25, 10 x 1.25, 10 x 1.50,
12 x 1.25, 12 x 1.50, 12 x 1.75mm

19 Re-Threading Taps:

National Coarse: 1/4", 5/16", 3/8", 7/16", 1/2", 9/16"

National Fine: 1/4", 5/16", 3/8", 7/16", 1/2", 9/16"

Metric: 6 x 1.00, 8 x 1.25, 10 x 1.25, 10 x 1.50, 12 x 1.25,
12 x 1.50, 12 x 1.75mm

3 Thread Files (4-sided):

SAE: 11, 12, 13, 14, 16, 18, 20, & 24

SAE: 9, 10, 12, 16, 20, 27, 28, & 32

Metric: 0.75, 1.00, 1.25, 1.75, 2.00, 2.50, & 3.00mm

T75623 18pc Re-Threading Set - UNC, UNF



- Repairs or renews damaged threads on nuts, bolts or studs Highly tempered, hex-shaped for socket or wrench use

16 Re-Threading Dies: (for chasing i.e. repair work only)

National Coarse (Silver): 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 3/4"

National Fine (Black): 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 3/4"

2 Thread Files for repairing external threads:

8 sizes (threads per inch): 10, 12, 14, 16, 18, 24, 27 & 32

T75624 15 pc Re-Threading Set - Metric sizes



- Repairs or renews damaged threads on nuts, bolts or studs Highly tempered, hex-shaped for socket or wrench use

7 Re-Threading Dies: (for chasing i.e. repair work only)

6 x 1.00, 8 x 1.25, 10 x 1.25, 10 x 1.50, 12 x 1.25, 12 x 1.5, 12 x 1.75mm

7 Re-Threading Taps:

6 x 1.00, 8 x 1.25, 10 x 1.25, 10 x 1.50, 12 x 1.25, 12 x 1.5, 12 x 1.75mm

1 Thread File for repairing external threads:

0.75, 1.25, 1.75, 2.50mm

T75785 Universal Camshaft Bearing Tool



- Includes:
Driving shaft and extension, Expander unit, 5 Split driving plugs,
2 Driving washers, Centering cone

Removes and installs camshaft bearings. Works with bearings ranging from 1.125" to 2.69". Winding hex nut expands the driver, utilizing mechanical screw power in order to remove or install bearings. Force is equally distributed during expansion, leaving both bearing and bearing housing undamaged. Also includes a centering cone for bearing guidance and protection.



T75803 Engine Lift Chain

- Allows safe, easy lifting of car and truck engines into and out of engine compartments
- Holds up 1000 lbs with a spread no more than 20 inches
- Operates with most domestic and import vehicles



T70165 Universal Tensioning Gauge for Cambelts

- Easily adjust cambelt tension where the movement of timing belt is measured by load
- Dual scale for easy reading from top or bottom of the tool
- Incremental marking with knurled knob for precise measurement
- Works on cambelts with various belt thickness



T70166 Universal Twin / 4 Cam Locks - Gas & Diesel Engines

- Designed to lock twin camshafts for timing marks when replacing timing belt
- Extendable arm to lock into sprocket teeth, also lock between cam and diesel injection pump sprockets
- Easy one man operation



T75836 Rear Axle Bush Removal Tool

- Removes and replaces rear upper and lower bushes on trailing arm axles
- Works on Opel Vauxhall, Vectra



T75837 Rear Axle Bush Installation Tool

- Removes and installs rear axle mounting bushes
- Use with ratchet to insert composite bushes
- Works on Audi A3, VW Bora, Golf IV



T75838 Rear Axle Bush Removal Tool

- Removes and installs rear axle mounting bushes without removing suspension trailing link
- Works on Ford Fiesta from 1996



T70082 Universal Clutch Alignment Tool Set

- Designed for most vehicles up to 5 tons with single plate clutches and front wheel drives without pilot bearings in the flywheel
- Assembly is performed on the workbench, allowing for easy installation



T70080 7pc Clutch Alignment Tool (Metric)

- Aligns clutch plates and pilot bearings for easy clutch repair or replacement
- Fits most metric clutch plates
- Includes five 2-step pilot bushings, 2 plate alignment cones, and one alignment shaft
- Sizes: 11.85. 13.85. 15.8. 16.7. 18.98mm





T70062 Ford Fan Clutch Wrench

- Removes and replaces viscous fan clutch assemblies on Ford Falcons, Fairlanes, etc.
- Fits both 6 & 8 cylinder engines
- Features elongated slots for extra firm grip



T75508 Ford Fan Clutch Wrench Set

- Special size two-piece set for servicing fan clutch on Ford 4.9 L engines
- Includes: flat wrench and crow foot
- Use with 1/2" Dr. breaker bar for extra torque



T75512 4pc Fan Clutch Wrench Set



- Includes:
 - 1-9/16" and 1-7/16" Double-Ended Wrench
 - 2-1/4" Holding Wrench with 1/2" Square Drive
 - 1-7/8" Single-Ended Wrench
 - 3-1/4" Holding Wrench with 1/2" Square Drive

The perfect tool for removing and installing fan clutch assembly on most Ford engines. The holding wrench is used to immobilize the fan clutch while the nut wrench twists the nut on or off. Greater torque may be added by attaching a ratchet, breaker bar, or torque wrench to the square drive on the holding wrenches. The small double-ended wrench is for 2.8, 2.9, 3.0, 4.0, & 4.9 liter engines. The large single-ended wrench and the large holding wrench are for 6.9 and 7.3 liter diesel engines.

T70079 17pc Clutch Alignment Tool



- Set includes 16 two-step pilots for sizes larger than 32 applications
- For most foreign and domestic cars and trucks
- Includes: high quality wood storage case

T75526 Fan Clutch Service Tools Set - Benz, BMW



- Specially designed to remove and install thermo-viscous fan clutch fitted to Mercedes-Benz and BMW
- The holding wrench is used to immobilize the fan clutch while nut wrench twists the nuts on or off
- Allows to work on confined area
- Contents: 3 fan clutch tools - 32, 36, 65mm, 3 fan clutch holders and fan belt service wrench



Piston Ring Compressor



- Steel spring band, easy release switch for adjustable friction brake
- Heavy duty construction
- Positive locking ratchet

Model		Height
T70085	40-80mm	2"
T70086	53-125mm	3"
T70087	53-175mm	3"
T70088	54-127mm	3-1/2"
T70089	89-178mm	3-1/2"
T70090	60-175mm	4"
T70091	60-175mm	6"
T70092	90-175mm	6"

T75524 Wrinkle Band Ring Compressor

- One adjustment fits 3-5" piston rings
- Wrinkle band design greatly reduces ring friction
- Features thumbscrew precision adjustment
- Operates on most domestic and import vehicles



T70185 Piston Ring Expanding Device

- Universal design can be used on most vehicles
- Smooth gripping edge prevents damage to piston ring during installation
- Capacity: 50 - 100mm



T70186 80 - 100mm

T70187 110 - 160mm

T75523 Ring Groove Cleaner



- Equipped with heavy coil spring to keep cutter in place while it removes carbon from piston grooves on 2-3/4" to 5" pistons
- Cutters rotate to the correct size and lock in place
- Includes:

3 cutter wheels with sizes:

1.2, 1.5, 1.8, 2.0, 2.5, 2.8, 3, 4, 4.5, 5, 5.5mm

1/6", 5/64", 3/32", 1/8", 5/32", 3/16", 1/4"

T75860 Ridge Reamer - Lathe Type



Removes ridges from engine cylinder walls. Takes imperfections and ridges out of cylinder wall with a lathe-type action with one setting. There is no need to re-adjust the tool when changing from one cylinder to another. Removable tungsten carbide cutter and fine threaded feed screw ensure clean cut action. Operating range: 3" - 5" diameter cylinders



T70147 Adjustable Piston Ring Installer

- Removes and installs piston rings on most cars and light trucks and reduces piston ring breakage
- Tapered steel jaws
- Non-slip, vinyl grip



T70556 Exhaust Manifold Spreader

- Installs manifolds on small block Chevrolets
- Prevents cross threading on manifold bolts by keeping bolt holes accurately aligned
- Most effective when used in pairs



T70149 Engine Cylinder Hone with 3" Stones

T70200 Engine Cylinder Hone with 4" Stones



- Removes glaze and scratches from engine cylinders
- Adjustable honing tension ensures steady, smooth contact with cylinder wall
- Capacity: 2" - 7"
- Operates with any electric drill

T70150 3pc Replacement 3" Medium Grit Stones

T70201 3pc Replacement 4" Medium Grit Stones

T75603 Piston Ring Compressor Set



- Includes:
Ratcheting Pliers and 6 Interchangeable Bands
- Sizes:
2-7/8" - 3-1/8", 3-1/8" - 3-3/8", 3-3/8" - 3-5/8", 3-5/8" - 3-7/8"
3-7/8" - 4-1/8", 4-1/8" - 4-3/8"

Installs piston rings ranging from 2-7/8" to 4-3/8" into cylinder block. Fine-tooth ratcheting plier permits band compression in small increments. Operates both vertically and horizontally.

T70075 Self-Adjusting Clutch Rotating Tool

- Rotates the self-adjuster mechanism on Spicer self-adjusting clutches
- Compatible with either open end or box wrenches for clutch adjustment



T70076 Truck Clutch Adjusting Wrench

- Specially designed tool for adjustment on heavy duty Spicer angle spring and multi-lever clutches
- Essential for adjusting clutches on heavy duty truck without damaging parts





T70501 Compression Tester

- Color-coded, quadruple calibrations with 0-300 psi, 21kg/cm², 21bar, and 2100kpa
- Rubber cone adaptor fits all spark plug holes
- Calibrates both SAE and Metric fittings



T70503 Flex Drive Compression Tester

- Accurately checks compression on gasoline engines
- Color-coded, quadruple calibrations with 0-300psi, 21kg/cm², 21bar, and 2100kpa
- Heavy duty, flexible hose with a 14/18mm adaptor



T70505 Compression Tester Kit

- Color-coded, quadruple calibrations with 0-300 psi, 21kg/cm², 21 bar, and 2100 kpa
- 6" heavy duty stem and 13" flexible hose included



T70507 Vacuum & Fuel Pump Tester

- Locates fuel leaks, vacuum chokes, heating leaks, and valve trouble
- Full 2-1/2" dial, color-coded scales
- Includes heavy duty, flexible hose and universal nose-cone adaptors



T70537 Professional Anti-Freeze Tester

- Six color-coded disks give accurate percentage anti-freeze readings
- Break resistant, magnifying tube shows reading clearly



T70538 Deluxe Anti-Freeze Tester

- Shows two scales: freezing point of radiator solution and boiling point of summer coolant
- Precision calibrated rubber bulb
- Extra long rubber tip
- Tests all ethylene glycol solutions



T70539 Professional Anti-Freeze Tester

- Accurately tests ethylene glycol based anti-freeze under all temperature conditions
- Extra length tip allows extended reach



T70540 Propylene Anti-Freeze Tester

- Accurately tests propylene glycol based anti-freeze under all temperature conditions
- Extra length tip allows for extended reach





T75541 Petrol Engine Compression Tester Set



- Comprehensive test kit for import and domestic petrol engine powered cars and motorcycles
- 250mm flexible hose allows access to restricted plug ports
- Dual-scale compression gauge: 0-290 psi (0-20 bar)
- Convenient quick coupler adaptors for efficiency
- Designed for repeat testing without disassembly
- Thread chasers included to ensure accurate readings
- Extensions access deep seated plug ports easily

Contents:

	Length (mm)	Gauge	Scale
Gauge assy.	330	80mm dia.	0-20 Bar (290psi)

Gauge includes general purpose M14 & M18 plug ports

Plug Port Extensions:

M10, M12, M14 (64mm), M14 (94mm), M18

Thread Chasers

M10, M12, M14, M18

Service Kit:

8 Replacement O-Rings & release valve

T75542 Diesel Engine Compression Tester Set (LARS)



- Comprehensive test kit for direct and indirect diesel injected vehicles
- 355mm flexible hose allows access to restricted plug and injector ports
- Dual-scale compression gauge (0-1000 lb/sq in and 0-70 bar)

Contents:

	Length (mm)	Gauge
Gauge Assembly Scale: 0-70 Bar (1000psi)	560	83mm dia
	Length (mm)	Thread
Glowplug adaptor	73.5	M10 x 1.25
Glowplug adaptor	54.0	M12 x 1.25
Glowplug adaptor	72.0	M14 x 1.25
Dummy injector	114.0	N/A (21mm OD)
Dummy injector	64.0	M24 x 2.00
Stanadyne dummy injector	112.0	N/A (19mm OD)
Glowplug adaptor	114.5	M10 x 1.25
Glowplug adaptor	119.0	M10 x 1.00
Dummy injector	78.0	M20 x 1.50
Clamp plate (17mm diameter hole)	63.5	25mm (width)

Replacement seal & washer set, 90 degree elbow



T75543 Diesel Engine Compression Tester Set (CVS)



- Comprehensive test kit for direct and indirect diesel injected commercial, marine, and industrial engines
- 355mm flexible hose allows access to restricted plug and injector ports

Contents:

Item	Length (mm)	Gauge	Scale
Gauge Assembly	560	100mm dia.	0-70 Bar (1000psi)
Item	Int Thread	Thread	Ext. Thread
Centre Pillar	185	5/16" x 24 UNF	1/2" x 20 UNF
Spacer Set	Ext. Diameter	Length	
End Adaptor	20.5	30	
End Adaptor	23.6	32	
End Adaptor	23.6	41	
Clamp plate	Length	Width	Hole Dia.
Clamp plate	63.5	25mm	17mm
Clamp plate	76.2	15mm	17mm
Replacement seal & washer set, 90 degree elbow			

T75545 Oil Pressure Tester Set



- Accurately tests & diagnoses the oil system pressure for all engines
- Easily checks the pressure delivery of oil pumps, tests pressure switches and warning indicators
- 1300mm flexible hose is permanently oil primed, length allows easy access
- Dual scale compression gauge: 0-140 psi (0-10 bar)
- Convenient labor saving "quick-coupler" adaptors
- Quick shut-off valve for efficiency & protection

Contents:

	Length (mm)	Gauge	Scale
Gauge Assy.	1300	80mm Dia.	0-10 Bar (140psi)
Adaptors			
R1/8 DIN 2999			
1/8" x 27 NPT, 1/4" x 18 NPT, 3/8" x 20 UNF, 1/2" x 20 UNF, M10 x 1.0			
M12 x 1.5, M14 x 1.5, M16 x 1.5, M18 x 1.5, 90 Degree elbow			



T70547 Hose Pinch-Off Pliers

- Ideal for clamping fuel lines, brake lines & vacuum hoses
- Quick adjusting slide clamp ring
- Corrosion & chemical resistant tough PVC
- Size: 3/4" to 2-1/4"



T70564 2pc Hose Pinch-Off Pliers

- Special radius jaws to avoid damaging hoses
- Lightweight and non-conductive
- For use on all brake and fuel lines
- Capacity: 1/2" - 3/4" and 1/4" - 7/16"



T70565 Hose Pinchers

- Quickly and easily pinches-off vacuum and fuel lines
- Pinches without causing any damage to hose or tube
- Not for use on wire reinforced radiator hoses



T70578 Hose Remover Pliers

- Simplifies the removal of fuel & vacuum hoses from tube fittings, without damaging the tube or hose
- Spring loaded, fits sizes 5/32" to 1/2" (4mm-13mm)



T70577 Professional Hose Remover Pliers

- Easy remove 4mm -21mm vacuum and fuel hoses
- Mini non-slip jaw design for better gripping



T70584 3pc Hose Pinch-Off Pliers Set

- Pinches-off vacuum and fuel lines
- Changes thermostats without draining cooling system
- Automatic locking ratchet
- Contents: 8", 10", 12"



T70630 Flexible Hose Clamp



- Specially designed for easy hose replacement
- Locking pliers mechanism allows technician to hold clamp into open position
- Easily removes self-tightening hose clamps with diameters of 11/16" - 2-1/2"
- 24" heavy duty flexible cable to access hard-to-reach areas



T72072 Front Wheel Drive Axle Puller Adaptor

- Use with slide hammer with 5/8"-18 thread (T75906) to extract the axle assembly or CV Joint from the shaft when servicing front wheel drive vehicles
- Fits Ford Tempo, Topaz, Exp, and Lynx



T73915 Flange Type Axle & Wheel Hub Puller

- For use on most cars and light trucks
- For use on 4 or 5 bolt designs and all non-C clock GM axles



T73916 Front Hub Remover / Installer Set



- Universal design for pulling off front hubs and aligning interference fit spline halfshafts during installation
- Removes and installs front hubs during CV joint replacement, transaxle and wheel bearing servicing without damaging wheel bearings
- Ensures proper installation of spline halfshafts into the front hub of Escort, Lynx, Tempo, Taurus & Sable vehicles
- The puller fits most FWD vehicles
- Additional locknut enables the use of a standard slide hammer puller for removal of rear axle flanges

T75937 GM Timing Belt Wrench

Fits into the confined space between the radiator housing and the water pump assembly. Suitable for 1982 – 1989 GM four cylinder 1.8 to 2.0 liter engines. It rotates the water pump and simultaneously adjusts the fan belt tension. Corrosion resistant black oxide coating.



T75904 Timing Gear Puller

- Removes timing gears, fan pulleys, balancers and other automotive components with tapped holes
- Drop forged, plated steel yoke resists corrosion
- Heat-treated center bolt



T75800 Camshaft Drive Belt Pulley Puller



- Specially designed to pull camshaft belt pulley wheels
- Works on VW 4, 6 cylinder, V6, V8 engines and Audi petrol engine



T73876 13pc Harmonic Balancer Puller



- Designed to pull vibration dampers, balancers, pulleys and gears with tapped holes
- 10pc Cap screws - 3/8"-24 x 2" (3), 5/16"-18 x 2" (3), M8 x 1.25 x 80m (2), 3/8"-16 x 4" (2)
- 1pc - 5/8" Main center bolt
- 1pc - 4 Slot yoke
- 1pc - Pointed shaft protector

T75916 14pc Harmonic Balancer Puller Set



- Includes:
- 11pc Cap screws - 3/8" - 24 x 2" (3), 5/16" - 18 x 2" (3) M8 x 1.25 x 80m (3), 3/8" - 16 x 4" (2)
- 1pc - 5/8" Main center bolt
- 1pc - 4 Slot yoke
- 1pc - Pointed shaft protector

This device removes vibration dampers, balancers, pulleys and gears with tapped holes. Force is evenly distributed upon application. Puller can be used to pull out most objects since it works on either two or three tapped holes. Use with a wrench for more winding power. Applies to most foreign and import vehicles.

Heavy Duty Reversible Gear Puller



- Reversible steel jaws
- Chrome Vanadium steel, heavy duty construction
- Drop forged yokes, heat-treated jaws and center bolt

2 Jaw	3 Jaw	Capacity
T74102	T74132	3" Gear Puller
T74163	T74193	4" Gear Puller
T74104	T74134	6" Gear Puller
T74105	T74135	8" Gear Puller
T74106	T74136	10" Gear Puller
T74107	T74137	12" Gear Puller

Heavy Duty Gear Puller



- Heavy duty construction
- Drop forged yokes, heat-treated jaws and center bolt

2 Jaw	3 Jaw	Capacity
T74162	T74192	3" Gear Puller
T74169	T74199	4" Gear Puller
T74164	T74194	6" Gear Puller
T74165	T74195	8" Gear Puller
T74166	T74196	10" Gear Puller
T74167	T74197	12" Gear Puller



Two Arm Puller w/ Adjustable Arms



- Heavy duty construction
- Drop forged yokes, heat treated jaws and center bolt
- Adjustable steel jaws

Model	Capacity
T74113	Two Arm Puller w/ Adjustable Arms 30 - 80mm
T74114	Two Arm Puller w/ Adjustable Arms 30 - 120mm
T74115	Two Arm Puller w/ Adjustable Arms 40 - 160mm
T74117	Two Arm Puller w/ Adjustable Arms 40 - 200mm

Heavy Duty Reversible 2/3 Jaw Combination Gear Puller



- Reversible steel jaws
- Chrome Vanadium steel, heavy duty construction
- Drop forged yokes, heat-treated jaws and center bolt
- Convertible between 2 or 3 jaws

Model	Capacity
T75917	3" 2/3 Jaw Combination Gear Puller
T75918	4" 2/3 Jaw Combination Gear Puller
T75919	6" 2/3 Jaw Combination Gear Puller

Bearing Puller



- Ideal for pulling bearings from electrical tools and autoelectrical equipment e.g. generator, alternator, starter bearings and bushings
- Powerful enough to remove wheel & flywheel pilot bearings from most passenger domestic and import vehicles

Model	Size
T73920	Bearing Puller (24 - 55mm)
T73921	Bearing Puller (35 - 80mm)
T73922	Bearing Puller (19 - 35mm)

T75532 Transmission / Transaxle Plug Set



- Includes Five Stepped Plugs:
1" - 1.25", 1.3" - 1.55", 1.6" - 1.85", 1.95" - 2.18"
For Ford Transaxle

Five stepped plugs are custom designed to operate on both transaxle and transmissions to prevent any loss of transmission fluid when repairing the drive shaft U-joint.

Applications:

Most rear wheel drive vehicles:
import and domestic cars and pickup trucks



T75501 Power Steering Pump Pulley Set



Includes:

- Pulley Remover
- Pulley Installer
- Quick-Disconnect Coupler Tool

Removes and installs steering pump pulleys in no time. Works with Chrysler, GM, Thompson and Ford. Both the pulley remover and pulley installer work readily without damaging the pump or the pulley. Each comes with two screw shafts for various pump sizes. Fits pulley hub diameters of 1-1/8", 1-1/4", 1-5/16", 1-3/8".

Applications:

- 1988 to current GM Quad 4 engines
- 1990 to current Chevrolet Lumina APV, Pontiac TransSport, Oldsmobile Silhouette
- 1991 to current (3.1L V-6 engines) Chevrolet Lumina sedan, Oldsmobile Cutlass Supreme, Buick Regal, Pontiac Grand Prix
- 1991 to current Ford (4.6L engines)

The included disconnect coupler tool disconnects the fuel line on most 1987 to current Cadillac, Oldsmobile and Buick vehicles
1989 to current GM 1/2 Ton, 3/4 Ton and 1 Ton pickups
No need to tamper with quick connect seals upon application

T75511 Power Steering Pump Pulley Set



Includes:

- Pulley Body, Center Bolt
- 2pc Jaws with Retaining Ring
- Bearing, Washer And Small Button
- Puller Pins for Quad 4, GM 3.1
- Installing Screws for Quad 4, GM 3.1, Ford 4.6 and Others

Removes and installs alternators and power steering pulleys on late GM, Ford and Chrysler engines. Reverse jaws pulls alternator internal bearings. Works readily without damaging pump or pulley.

Applications:

- 1988 to current GM Quad 4 engines
- 1990 to current Chevrolet Lumina APV, Pontiac TransSport, Oldsmobile Silhouette
- 1991 to current (3.1L V-6 engines) Chevrolet Lumina sedan, Oldsmobile Cutlass Supreme, Buick Regal, Pontiac Grand Prix
- 1991 to current Ford (4.6L engines)



T75514 Water Pump Pulley Remover / Installer Set



Includes:

- Water pump pulley remover
- Thread protector
- Water pump pulley installer
- Thrust bearing for efficient installation

Makes the job of removing and installing water pump pulleys fast and simple. The pulley remover and pulley installer works smoothly, without leaving any damage to the pump or pump components. The pulley remover screws its bolts into the pump, binding the two parts for secure pulling. The pulley installer utilizes a thrust bearing which minimizes friction for faster and easier installation. Upon application, force is equally distributed between the pulley remover / installer for efficient and damage-free removal or installation. Functions with Cummins L10 and M11 engines.

T75813 3pc Rear Axle Bearing Remover Set



- Extracts semi-floating rear axle bearings in most domestic vehicles
- Use with 5/8"-18 slide hammer for more torque and to avoid damage to rear axle or bearings
- Puller sizes: same as T75815 except with longer screws

T75815 Rear Axle Bearing Puller Set



Includes: 3 Pulley Sizes:

- 1" minimum bearing tube I.D. and 1-7/8" maximum axle tube I.D.
- 1-5/16" minimum bearing tube I.D. and 2-3/8" maximum axle tube I.D.
- 1-3/8" minimum bearing tube I.D. and 2-7/8" maximum axle tube I.D.

Extracts semi-floating rear axle bearings of various diameters in most domestic cars. Three pullers quickly and efficiently pull bearings without inflicting damage on the rear axle or bearing. For more power, use with T75906 slide hammer.



T75914 Universal Hub Puller



- Easily and quickly pulls wheel hubs without damaging wheel legs
- Adjustable sliding arms provides a straight pull
- Striking wrench and puller screws included

T75939 Master FWD Wheel Bearing Adaptor Set



Complete set of 23 adaptors, collars and fittings for front wheel drive servicing. Designed to work with T75938 slide hammer puller and front hub remover. Works on both domestic and import front wheel drive vehicles as well as light trucks.

T75948 Master Blind Bearing Puller Set



- Pulls blind hole bearings, bushings and sleeve with collets ranging from 3/8" to 1-1/4" where regular pullers will not reach
- Use with slide hammer with collets to pull bearings or bushings

T75926 Industrial Harmonic Balancer Puller & Installer Set



- Includes:
 - 6pc - Cap Screws
 - 8pc - Adaptors
 - 1pc - 4 Slot Puller Plate
 - 1pc - Main Center Bolt

Removes and installs vibration dampers, balancers, pulleys and gears with tapped holes. Features heavy duty construction. Force is evenly distributed upon application. Tool can be used to pull out or install most objects since it works on either two or three tapped holes. Use with wrench for additional torque.

Application: Most domestic and import vehicles.



T75941 Crank Shaft and Harmonic Balancer Holder - Honda



- Designed to work on camshaft pulley and harmonic balancer bolt removal
- Immobilize and secure pulley in place to avoid rotating when removes and installs crank bolt
- Works on 1990 and newer Honda Acura, Civic

T75906 Slide Hammer Set



Extracts flange-type rear axles, semi-floating rear axle bearings, balancers, and other press-on parts. Also, with its 2/3" internal / external jaws it can remove gears, outer races, grease retainers, oil seals, and other internal / external pulling jobs. Operates on newer model cars and light trucks that have axles with bolts and studs no larger than 9/16" in diameter. Applies to 4.5, and 6 bolt stud circles that range from 4-1/4" and 5-9/16". The variety of attachments to the slide hammer make it a multi-functional puller set that can accomplish almost any task.

T75912 Master Slide Hammer Set



- Master set covers most pulling applications

3pc 6-1/2" Internal / external jaws
 3pc 2-3/8" Internal pulling jaws
 1pc Front hub puller assembly
 1pc Forcing screw
 1pc Sleeve

T75920 Internal & External Bearing Puller Set



- Includes:
 Slide Hammer (5/8" - 18 thread)
 Two Internal 3-Jaw set (capacity 10 - 30mm, 30-80mm)
 External 3-Jaw set (10 - 80mm), cone adaptor

Effectively removes internal and external bearing cups, seals, bushings, etc. Special cone adaptor is included for external pulling job which securely locks jaws on part to be removed.

Use with slide hammer (5/8" - 18 thread) for more torque.



Bearing Separators



This device extracts bearings, double bearings, bearing cones and generator gears. Its curved, sharp edge maximizes the gripping surface area and locks the bearing in position. When space is limited, it can easily remove certain parts where the standard puller jaws cannot reach.

Available in 3 sizes:

Model	Capacity	Bolt diameter	Extension rod
T75908	30 - 50mm	3/8" x 24T x L120mm	3/8" x 16T
T75909	50 - 75mm	1/2" x 20T x L135mm	3/8" x 16P
T75910	75 - 105mm	5/8" x 18T x L165mm	M12 x 1.75P

T75604 Pressure Screw Separator Puller Set



- Heavy duty construction puller set removes pressure screw with even applied force without damaging any parts
- Includes:
 - 1 - Bearing Separator (capacity 25 - 105mm)
 - 1 - Center Screw
 - 1 - Centering Adaptor
 - 1 - Twin Beam
 - 6 - 10" Rods
 - 1 - Extension Ram
 - 1 - Nut (Ram Part)

T75907 Bearing Separator Assembly Kit



- Easily extracts bearings, double bearings, bearing cones and generator gears even in confined areas where standard puller jaws cannot reach
- Bearing separators curved, sharpened edge maximizes the gripping surface area and locks the bearing in position
- Push-puller secures its rods to the tapped holes of the bearing separator and pushes the object out
- Screw power enables a smooth, effective pulling force that completes the task, damage-free
- Bearing Separator - Chrome Molybdenum steel
- Contents:
 - Available in 3 sizes
 - Bearing Separator Capacity: 30 - 50mm
 - Bolt Diameter: 3/8" x L120mm x 24T
 - Bearing Separator Capacity: 50 - 75mm
 - Bolt Diameter: 1/2" x L135mm x 20T

T75921 Hydraulic Gear Puller Set



- Heavy duty construction hydraulic puller set removes pressure screw with even applied force without damaging any parts
- Hydraulic ram included for labor saving
- Great application for agriculture machine, industry and garage use
- Contents:
 - Hydraulic Ram, Bearing Separator (75 - 150mm), Extension Rod (2), Main Rod (2), Ram Extension Rod (2), Pop, 4" Leg (3), 6" Leg (3), 8" Leg (3), Beam, Ram Nut, Twin Head, Triple Head



T75949 Crankshaft Drive Belt Pulley Puller Set



- Universal puller to remove crankshaft drive belt pulleys with or without holes on European vehicles
- Ideal to work on confined areas

T75609 Interchangeable Bearing Puller Set



- Includes:
 - 2 Pressure screws: 3/4" - 16 x 6-11/16", 3/4" - 16 x 5"
 - 2 Yokes - 2 and 3 pin holes per side
 - 2 Clamp bolts
 - 3 pairs puller jaws
 - 1 pair spring ball jaw pins
 - 3 pair capped screws
 - Spread: 3-1/4" to 5-1/2" and 2-3/8" to 3-3/8"
 - Reach: 1-5/8" and 1-3/4"

This convenient puller kit provides the versatility needed to handle myriads of pulling jobs. Effectively pulls alternators, generators, bearings, power steering and crankshaft pulleys, harmonic balancers and timing gears. Multi-hole yokes, adjustable clamp bolts, spring ball jaw pins and replaceable pressure screw points provide a safe, precise pull.

T74100 Universal Puller Set



- Heat treated yoke for durability
- To remove bearings, gears and bushes from shaft
- Adjustable steel jaws
- Contents:
 - 3 - Puller arms (250mm)
 - 1 - 2 Arm beam
 - 1 - 3 Arm beam
 - 1 - Spindle

T75881 Diesel Injector Puller



- Designed for easy and labor saving puller to remove stubborn BOSCH and LUCAS diesel injector.
- 3 adaptors included : M8, M12 and M14



T70569 Coil Spring Compressor

- Compresses coil springs for strut services
- Heavy duty steel construction
- Suitable for most import and domestic passenger vehicle spring sizes



T70570 Coil Spring Compressor

- Drop forged steel jaws
- Hardened alloy steel center bolts
- Compresses coil springs for strut services
- Suitable for passenger cars and light duty trucks
- Use with a 1/2" Dr. ratchet or 15/16" wrench



T70573 MacPherson Strut Compressor

- Compresses MacPherson strut spring sets when replacing strut shock absorbers
- Heavy duty steel construction
- Can be used with hand or impact tools
- Fits most MacPherson struts and coil springs



T75506 MacPherson Strut Coil Spring Compressor

- Designed to instantly compress and hold MacPherson strut coil springs for strut work servicing
- Universal fit, applying to all spring thicknesses
- U-bolts lock the spring into position, assuring a safe environment for operation
- Can be used with the GM W-Body Strut Service Kit (T75505)



T75761 Coil Spring Compressor



This tool effectively removes and installs coil springs on all passenger cars and pickup trucks with removable shock absorbers. It works on all springs up to 5-5/8" outer diameter and can grasp any wire spring up to a diameter of 3/4". Applicable to both straight or curved springs

T75762 MacPherson Strut Spring Hook Compressor Set



Efficiently compresses most MacPherson strut springs for shock absorber replacement. Designed with wide contact surfaces for variable coil sizes. Detent latch provides additional spring lock. Twin assembly allows rapid servicing by alternating from one set to the other.

Contents:

- 2 sets of heat-treated alloy thrust screws 5/8" x 11 x 12" with forged hooks



T70126 Fin Straightener and Cleaner

- Cleans and straightens condenser and evaporator fins
- Multi 6-head tool handles: 8, 9, 10, 12, 14, 15 fins per inch



T71190 UV Light Air Conditioning Leakage Tester

- Ideal for air conditioning leakage inspection
- High powered true UV LED technology
- Push button and turn switch for on and off power
- Uses 3 AA batteries (Not included)
- Insulated, flexible extension cable accesses hard to reach areas



T73420 Automatic Coupler Set for R134a Manifolds



- Automotive quick coupler use with T75990 and T75992 on all R134a charge and service ports with various dimensions
- Easy to connect and disconnect, actuation valve for access to system even at working pressure.
- High pressure in red color with 14mm female thread
- Low pressure in blue color with 14mm female thread

T75990 R134a Air Conditioning Manifold Gauge Set (Aluminum Body)



- High quality, extruded aluminum material for durability
- Includes:
- Aluminum manifold body with all necessary fittings
 - 2 easy-to-read, new silicone vibration-free gauges
 - 1 set of 60" hose -Yellow hose with 1/2 ACME x 1/2 ACME with quick seal valve
 - Red and blue hoses with 1/2 ACME x 14mm male thread
 - Automotive quick coupler-high pressure in red with 14mm female thread
 - Low pressure in blue with 14mm female thread

T75992 R134a Air Conditioning Manifold Gauge Set (Brass Body)



- Includes:
- Brass manifold body with all necessary fittings
 - 2 easy-to-read, new silicon vibration-free gauges
 - 1 set of 60" hose - yellow hose with 1/2 ACME x 1/2 ACME with quick seal valve
 - Red and blue hoses with 1/2 ACME x 14mm male thread
 - Automotive quick coupler - High pressure in red with 14mm female thread
 - Low pressure in blue with 14mm female thread



T70052 GM Heater Line Disconnect Tool

- Releases heater line quick connect fittings from engine block and thermostat housing
- Fits 1991 to current GM 3.1/3.4L and 3800 engines



T75520 A/C Clutch Spanner Wrench

- Specially three stud design for GM compressors
- Adjustable brass thumbscrews
- Bright, plastic, non-slip handle



T75551 Universal Radiator Pressure Test Kit



- Tests available radiator pressure
- Prevents radiator line leakages and replaces damaged parts

T75551-0 Temperature Thermometer

T75551-1 Pressure Testing Pump with Gauge

12 Adaptors:

T75551-2 Works on large trucks, GM

T75551-3 Works on Mercedes, Ford, GM, Jeep and large trucks

T75551-4 Works on Peugeot, Mitsubishi, Nissan, Mazda, Toyota, Subaru, Infiniti, GEO and Suzuki

T75551-5 Works on Honda, Toyota, Suzuki, Mitsubishi

T75551-6 Works on Opel, VW, Ford, BMW245, Saab and Jaguar

T75551-7 Works on Volvo, Saab, Audi, Citroen, Renault, Peugeot, Fiat, Alfa, and Jeep

T75551-8 Works on new VW

T75551-9 Works on VWT4, New Audi A4, A5, A6 and BMW345

T75551-10 Works on BMW

T75551-11 Works on Audi, VW

T75551-12 Works on Ford, International, GM and Rover

T75551-13 Works on Mercedes



T70590 5pc 4" Auto Body Filler Applicators

- Flexible polypropylene body filler applicators ribbed for a secure grip
- Two fine edges for precise finishing work
- Radiused corners for concave, curve shaping



T70600 Window Molding Remover

- Removes window molding clips on domestic cars and trucks



T70602 Door / Window Handle Tool

- Easily removes spring clips from doors / handles
- Tapered jaws retain clips for easy re-installation
- Use raised end to remove upholstery



T70604 Door / Window Clip Remover

- Removes / installs door handles and window clips
- Prevents damage to door panel upholstery
- Specially made for GM and Ford vehicles



T70606 Door Upholstery Remover

- Easily removes plastic door upholstery clips
- Heavy duty steel shaft with large comfortable handle



T70608 Door Pin Remover

- Removes and replaces door hinge pins on vehicles
- Includes 1 cranked handle and 3 punches
- Suitable for use on the following hinge pin sizes:
 - 5.5 mm (O.D.) 3.5mm (I.D.)
 - 6.5 mm (O.D.) 4.5mm (I.D.)
 - 7.5 mm (O.D.) 5.5mm (I.D.)



T70615 3-in-1 Auto Spring Remover

- Removes door rubber securing clips, plastic clips, door handle clips, and head light springs
- Manufactured from tempered spring steel



T70643 Universal Lift Support Clamp

- Works on vehicles with weak gas cylinder lifts on hoods, tailgates, and trunks
- Adjustable knob securely holds weak lift supports in the extended position to allow access in the engine compartment or luggage areas





T70646 CV Joint Boot Clamp Pliers

- Specially designed tips service boot clamps on CV joints on many foreign and domestic cars



T70647 CV Boot Clamp Pliers

- Crimps and flattens ear-type clamps found on CV joint boots
- Installs quick clamps on fuel filter and cooling system hoses



T70654 CV Boot Clamp Pliers

- To crimp all ear-type boot clamps on most vehicles
- Use with 1/2" extension or torque wrench
- Works on Audi, BMW, Ford, GM, Chrysler, Honda, Mazda, Mercedes, Nissan, Opel / Vauxhall, VW



T70648 Offset Boot Clamp Pliers

- Designed to crimp ear-type boot clamps
- Offset jaws works on large boot clamps
- Excellent for working in confined spaces



T70655 Heavy Duty CV Boot Clamp Pliers

- Heavy duty construction for durability
- To assemble new stainless steel clamp bands on drive shaft that requires torque setting
- Ideal to use with 3/8" Dr. torque wrench



T70650 CV Joint Clamp Banding Tool

- Easily and conveniently bands CV joint clamps
- Heavy duty tempered steel
- Vinyl handle for secure grip



T70652 CV Joint Clamp Banding Tool with Snip

- Easily and conveniently bands CV joint clamps
- Heavy duty tempered steel
- Built-in cutting arm snips band after tightening



T70640 Windshield Molding Door Handle Tool

- Releases windshield molding clips, door handles, and window crank retaining clips
- Non-slip vinyl offset handle permits easy access to molding clips
- Slips under window crank without damage to panel material





T70609 Clip Removal Pliers

- Removes door upholstery and other trim items anchors
- 2-step tip allows easy access to deep under clip heads to prevent slippage
- Spring loaded handle for a great leverage



T70660 Windshield Removal Tool

- Cuts windshield seal for quick windshield removal
- Insert cutter under windshield and through the seal
- Use "T" handle to pull the cutter and cut the seal
- Cuts through all windshield adhesives



T70620 Windscreen Wiper Arm removal tool

- To remove wiper arm without damage the wiper
- Easy access and work in confined area
- Size: 16mm x 46mm

T70621 Size: 26mm x 42mm



T70663 Car Door Lock-Out Tool

- Emergency access when keys are locked inside vehicle
- Size 1-1/4" x 24" with push and pull ends



T70701 Windshield Removal Tool



Comprehensive 5pc kit simplifies the removal or release of bonded windshields, windshield molding, butyl adhesive compound and trim pads.

Contents:

- Triple-braid, galvanized steel wire with two gripping handles
- Windshield Removal Tool
- Wire Feeder Tool
- Trim Pad Remover
- Windshield Molding Release Tool

T70706 10-in-1 Trim Tool



- Multi-purpose panelbeating tool for removing and installing auto trim fittings & fixtures. Tempered spring steel.
- Includes :

- 1 Headlamp spring tool
- 2 Windshield molding clip remover
- 3 Door rubber plastic clip remover
- 4 Serrated edge for panel seam detail neatening
- 5 Molding remover
- 6 Windshield wiper wrench
- 7 Door rubber metal clip inserter
- 8 Door weather strip clip remover
- 9 Door handle clip remover
- 10 Door trim bezel clip remover



T70665 17pc Deluxe Lock-Out Tool Set



Includes:

- Buttoneer & Auxiliary tool
- Slide Locks & Zingers tool
- Camry & Chrysler tool
- Mercedes & Volvo tool
- Dual Tool
- Japan Easy Button Hook
- Porsche tool
- Astro & Camaro tool
- Thin Bar tool
- Knob Knabber tool
- Wide Bar tool
- Wonder tool (integrated unit)
- Polypropylene Window Wedge
- Universal Angle Hook tool (Button Pull)
- Universal Radiused Hook tool (Double Curve)
- Gas Filler Cap Lock Master Keys x 2

The professional solution for lock-out situations. Conveniently stored in a carry case for call outs. Each tool is clearly labeled & secured. The tools are carefully manufactured from specially selected materials that allow the user to bend or shape the tools for the required application. Most of the tools are produced from 430 grade stainless steel, with the exception of the Knob Knabber, Window Wedge & Chrome plated mild steel Wonder Tool. Detailed manufacturers reference guide and instruction booklet are included.

T70675 4" Retractable Safety Scraper

- Retractable blade for safety and storage
- Chrome plated finish resists corrosion
- Includes 5 single-edge razor blades



T70677 Heavy Duty Gasket Scraper

- Durable alloy steel
- 1" flat scraper blade for scraping surfaces before installing gaskets



T70676 All Purpose Scraper

- Removes stickers, tape, paint and putty from glass, porcelain and steel
- 3 lock positions reach many areas
- Protective handle for safe blade storage



T70678 Extended Scraper

- Removes stickers from windshields and bumpers
- Spring release changes blades
- Stores 2 extra steel blades and 3 plastic blades in handle





T70681 10pc Razor Blade Set

- Standard single-edge blades
- Each set packaged in 2 boxes, 5 blades per box



T70682 100pc Razor Blade Set

- Standard single-edge blades
- Packaged in 100 blades per box



T70708 Angle Tip Lock Ring Pliers

- Removes and installs all types of lock rings on brakes, transmissions, cylinders, clutches, shafts and other applications
- Serrated jaws and angled tips for secure grip



T70714 2pc O-Ring Hook and Scribe Set

- Both tools facilitate easy removal and installation of O-rings and seals
- Can also be used to retrieve small items
- Knurled handle for sure grip



T73762 Steering Wheel Lock Plate Tool

- Removes lock rings from steering wheel
- Includes metric M14 and standard 9/16" x 18 adaptors
- Fits many domestic car steering wheels and lock plates



T73766 Steering Wheel Lock Plate Remover

- Removes steering wheel lock plates from most vehicles with tilt and telescoping columns
- Designed for air bag equipped vehicles
- Includes 9/16" x 18" and M14 x 1.5mm adaptors



T73763 Air Bag Release Tool - GM

- Quick release retention springs for removal of steering wheel air bag on GM vehicles
- Works on Buick, Cadillac, Chevrolet, Pontiac, light trucks and mini vans



T73904 Steering Wheel Puller

- Pulls steering wheels on most domestic and import vehicles
- Heavy duty durable construction





T75513 Steering Wheel Puller / Lock Plate Compressor Set



Includes:

- Steering wheel puller
- Lock plate compressor

Everything you need to remove steering wheels on almost all vehicles with conventional or tilt steering columns. The steering wheel puller features 5 sets of cap screws that securely fasten to steering wheels on many different vehicles including the Chevrolet Lumina, Pontiac Grand Prix, Oldsmobile Cutlass Supreme, Buick Regal, and any other automobile with a redundant entertainment / climate control circuit board. The lock plate compressor accesses the turn signal switch and S.I.R. modules on Chrysler, GM, and AMC to compress the steering wheel in order to remove / install the snap ring. Both the lock plate compressor and steering wheel puller make excellent use of screw power to complete the job efficiently without damaging the steering wheel or steering wheel components.

T75533 Air Bag Removal Tool



- Removes driver air bag from steering wheel on most vehicles
- Works on newer models of Mercedes, BMW, VW

T75902 12Lb Dent Puller Set



- Quickly removes dents for auto body repair work without having to extract vehicle's inside panels and upholsteries
- Heavy duty parts construction for strength and durability
- 12 lb square hammer design prevents rolling away out of reach
- Variety of tapered attachments easily pulls dented or creased sheet metals back into place
- Solid 5/8" slide shaft allows space to pull hammer, resulting in a powerful pulling force in hard-to-reach dented areas such as door panels, side panels, fenders and roof

T75905 9pc 10Lb Dent Puller Set



This tool quickly removes dents for auto body repair work without having to extract vehicle's inside panels and upholsteries. A 10 pound slide hammer and a variety of tapered attachments easily pulls dented or creased sheet metals back into place. The long shaft allows more space to pull the hammer, therefore resulting in a powerful pulling force in hard-to-reach dented areas such as door panels, side panels, fenders and roof.



T70711 All Purpose Awl

- Scribes, aligns and punches holes in light metal
- Perfect for tire repair
- Heat-treated, tapered shank



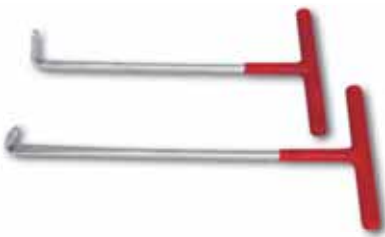
T70712 Offset Pick Tool

- Distinctive offset shaft and curved end help to reach over the pin weld and easily grab the lip of the rubber
- Heat-treated carbon steel
- Rubber handle for secure grip
- Blade length: 115mm (4-1/2")



T70715 2pc Rubber Ring Hook Tool Set

- Special angle hook design to pull rubber rings connected to exhaust tube



T70736 4pc Pick Set

- Complete scribe and hook set for pin pulling, picking O-rings, etc.
- Durable, heat-treated steel
- Curved hook, Offset 45-degree hook, 90-degree hook, Straight pick



T70737 8pc Mini Pick and Driver Set



- Removes and replaces seals, O-rings, nuts, clips, springs, pins, washers, etc.
- Chrome Vanadium steel
- Contents:

1 - Curved Hook	1 - Offset 45° Hook
1 - 90° Hook	1 - Straight Pick
4 - Screwdrivers:	
1 - Slotted: 1/8",	
1 - Phillips: #0	
2 - Star: T15, T20	

T70918 3" Wheel Brush

- Removes metal burrs, scratches, rust, carbon, scales, stains and dirt
- 3" diameter, 1/4" steel shank
- Max. safe free speed 4,500 RPM



T70931 Stem Mounted Knotted End Brush

- Removes heavy carbon deposits and corrosion
- Twist knot construction for the most challenging applications
- 1" diameter, 1/4" steel shanks
- Max safe speed 20,000 RPM





T70932 Steel Wire Cup Brush

- Removes metal burrs, scratches, rust, carbon, scales, stains and dirt
- 2-1/2" Diameter, 1/4" steel shank
- Maximum safe free speed 4,500 RPM



T70933 Stem Mounted End Brush

- Removes carbon deposits on piston heads, cylinders, and valve seats
- Use with 1/4" electric drills
- 1" diameter, 1/4" steel shanks
- Maximum safe free speed 20,000 RPM



T70962 Utility Wire Brush

- Cleans carbon, paint and dirt from metal surfaces
- Durable, tempered steel bristles
- 3 x 19 rows of 1-1/4" long bristles



T71001 Nylon Parts Cleaning Brush

- Tough polypropylene bristled brush resistant to oil, gasoline, turpentine and other cleaning solvents
- 2-1/2" Chisel trimmed bristles



T73785 Single Suction Cup



- Lifts, adjusts and positions windshield glass, sheet metal, sheet plastic and glazed items
- Pulls out panel dents with easy one-hand operation

T73791 Heavy Duty Double Suction Lifter Set



- Lifts, adjusts and positions windshield glass, sheet metal, plastic and glazed items
- Heavy duty construction with swivel heads for curved car windshields



T71031 Battery Carrier

- Safe, secure and adjustable battery carrier
- Rugged and grooved rubber pads provide better grip and avoid damage to casing
- Adjustable for both post, side terminal, 6 and 12 volt batteries



T71032 Belt Type Battery Carrier

- Designed to easily carry 6 and 12 volt post or side terminal batteries
- Serrated jaws with acid-resistant insulated strap for secure grip



T71046 Battery Terminal & Bearing Puller

- Removes corroded terminals without damage to battery posts or case.
- Sharp jaws easily grip terminal
- Center screw effectively removes alternator bearings



T71066 Side Terminal Battery Wrench

- Removes and replaces 5/16" GM side terminal battery fittings
- Reversible 5/16" ratcheting box design



T71068 Terminal Release Tools

- Special 12 blade design releases terminals from plastic connectors without damaging connectors or computer components
- Works on most GM, Ford, Chrysler, domestic and imported vehicles



T71091 Battery Tester

- Number of floating balls indicate battery condition
- Use to test 6, 12 and 24 volt batteries



T71092 Professional Battery Tester

- Easy-to-read, color-coded float indicates battery charge
- Rubber bulb and acid-resistant rubber tip



T71093 Deluxe Battery Tester

- Quickly and accurately indicates battery charge level without charts or color-coded scales
- Tests all 6, 12 and 24 volt systems





T71094 Professional Battery Tester

- Easy-to-read, color-coded float indicates battery charge
- Temperature gauge for accurate readings in warm or cold conditions
- Rubber bulb and acid-resistant rubber tip



T71131 Digital Multi - Tester

- Compact design, 3 digit LCD readout
- Measures DC and AC voltage and amperage
- Multi-testers for cars, home wiring and appliances



T71140 Battery / Alternator Voltage Tester

- Checks 12 volt battery and alternator systems
- LED light for easy and accurate reading



T71151 Heavy Duty Circuit Tester

- Heavily reinforced components for lifetime use
- Strain relief spring takes pressure off chord end
- Tests 6, 12 and 24 volt systems
- Tests for shortages in wiring, connectors, fuses and switches in automotive electrical systems



T71164 Hi-Lo Circuit Tester

- Checks all 6 and 12 volt circuits
- Checks spark plugs on secondary or high voltage circuits
- Extra long 48" leads



T71176 Circuit Sounder

- Uses flashing lights and buzzer sounds to check 6, 12 and 24 volt circuits
- Tests for shortages in wiring, connectors, fuses, and switches in automotive electrical systems
- Perfect for under bright light or confined areas



T71180 Replacement Bulbs

- Two (2) replacement 6, 12, 24 volt bulbs
- For use with T71151, T71182 testers



T71181 Replacement Bulbs

- Two (2) replacement 6, 12, 24 volt bulbs
- Use with T71185 tester





T71182 Circuit Tester

- Checks 6, 12 and 24 volt circuits
- Tests for shortages in wiring, connectors, fuses, and switches in automotive electrical systems
- Extra long 48" leads



T71185 Continuity Tester

- Checks circuits, voltage regulators, fuses, switches, armatures, distributors, etc.
- Self-powered by AA 1.5V battery (battery not included)
- Extra long 48" leads



T71186 Testing Screwdriver 150-250V

- Slotted screwdriver design tester with visual indicator
- 3.5mm x 190mm



T71187 Testing Screwdriver 220-250V

- Slotted screwdriver design tester with visual indicator
- 3.0mm x 140mm



T75705 Optical Fluid Tester

- Visually tests specific battery acid gravity to check battery condition
- Also checks frost protection level of engine coolant & washer fluid composition (Propylene, ethylene & latest G11, G12 & G13 coolants used in import vehicles)



T71055 Battery Post and Terminal Brush

- Quickly cleans terminal corrosion and dirt from battery cable clamps for better contact
- Metal case protects brush against grounding



T71063 Battery Post and Terminal Cleaner

- Cleans and reams battery posts and terminals
- Post cleaners marked with positive and negative signs for easy identification



T71075 Auto Cigarette Socket Adaptor

- Heavy duty extension cord with socket fitting
- Designed for easy under-hood testing of 12 volt electrical equipment with recessed socket terminals





T71209 Remote Starter Switch

- Starts or jogs engine from remote locations with no need to climb back into car
- Heavy gauge, rubber covered copper wire
- Five-foot leads



T71240 High Energy Ignition Spark Tester

- Checks spark without starting the engine
- Measures standard, electronic or DIS kV
- Designed to determine coil voltages and prevent high energy sparks from leaking



T71242 High Energy Ignition Spark Tester

- Checks spark in ignition systems without removing spark plug from engine



T71205 Spark Plug Wire Puller

- Easily and safely pulls spark plug wire without damage to wire or rubber boots
- Insulated nylon handle protects hands from shocks, heat and burns



T71206 Spark Plug Wire Puller

- Simply and effectively disengages spark plug wire boots from plugs
- Perfect for hard-to-reach or recessed plugs
- Insulated plastic handle for safety



T71222 Spark Plug Wire Pliers

- Insulated plier jaws and handles safely remove spark plug wire boots
- Offset serrated jaws perfect for accessing hard-to-reach boots



T71245 Spark Plug Remover / Installer

- Flexible shaft easily accesses tight areas
- Removes and installs spark plugs at any angle without cross threading
- Soft, stepped tip grabs plug terminals and porcelain insulator securely
- Non-slip handle for sure grip



T71252 Heavy Duty Spark Plug Boot Pliers

- 45-Degree offset vinyl coated jaws to ensure complete coverage of all contact areas
- Non-slip, vinyl coated handles
- Use only on automotive type ignition systems





T71253 Spark Plug Pliers



- 45-Degree offset jaws
- Designed to remove spark plug boots without pulling the plug lead from its clip
- Double insulated jaws for protection against shock and complete coverage on all contact areas
- Angled nose gives easy access to plug boot

T75703 Spark Plug Wire Tester

- Quickly locates damaged parts of spark plug wires without damaging wire
- Slide tester along wire until light stops flashing to locate insulation leakage and core damage
- Eliminates shock hazard



T75701 Extended Spark Plug Socket

- Heat-treated alloy steel
- Removes hard-to-reach recessed spark plugs
- Knurled barrel for better grip
- 3/8" Dr. x 5/8" spark plug socket
- Fits both modern and older vehicles



T71259 2pc Ignition Point File Set

- High quality steel, fine grit on both sides
- Cross-cut file pattern
- Ideal for filing spark plug and distributor ignition points



T71265 Ignition Module Wrench

- Removes ignition module from distributor on Ford vehicles
- Features T20 star bit and 7/32" hex
- Knurled knob for one-hand turn or use 1/2" wrench for extra torque



T71266 Ford Ignition Module Wrench

- Removes 7/32" hex retaining bolts on Ford ignition modules
- Use with 1/2" Dr. wrench for extra torque



T71317 Ford Radio Removal Tool

- Efficiently releases radio retaining clips and also functions as convenient pull handles
- Fast, efficient and damage-free to radio or dashboard housing
- Use on most 1987 to current Ford cars and trucks





T75704 Re-Threader Kit for 14mm Spark Plugs



- Effectively repairs damaged 14mm spark plug threads in aluminum cylinder heads
- Solid steel inserts and reamer / tap ensure positive new clean threads
- Includes: Tap and reamer and 4 inserts
- Insert sizes: 3/8", 7/16", 1/2", and 3/4"

T71292 Spark Plug Hole Thread Chasers



- Cleans any standard deep socket thread from dirt, carbon buildup and metal particles
- Hexagonal section with neoprene bands
- End specially shaped for easy starting

T71292	14mm
T71293	14 & 18mm
T71294	10 & 14mm

T75911 Antenna & Radio Service Set



Includes:

Antenna wrench, Chrysler radio removal socket, Ford radio removal tool, GM code retriever, offset bit ratchet handle, T10, T15 star bit, and tamper resist star bits - T7, T10 and T15

- Most popular tools to remove and install bezel nuts on antennas, radio retaining clips, etc on Ford, GM, Chrysler, VW and Toyota vehicles

T71268 44pc Radio Removal Tool Set



- Set includes the following tools needed to install and remove radios:
 - 2 - Radio Removal U-Hook (Ford / VW / Audi / Grundig / Blaupunkt)
 - 1 - Special Pentagon Wrench (BMW)
 - 4 - Radio Removal Keys (VW / Audi / Becker / Mercedes-Benz)
 - 2 - Radio Removal Keys (Mercedes Benz / Porsche / Becker)
 - 2 - Radio Removal Keys (VW)
 - 1 - Allen Hex Wrench (BMW / Opel)
 - 2 - Radio Removal U-Hook (New Blaupunkt)
 - 6 - Radio Removal Keys (Mercedes Benz & BMW)
 - 2 - Radio Removal Keys (Kenwood II 1998-2001)
 - 2 - Radio Removal Keys (Sony II ab 2002)
 - 2 - Radio Removal Keys (Kenwood III ab 2002)
 - 2 - Radio Removal Keys (Pioneer & JVC)
 - 2 - Radio Removal Keys (Sony I bis 2001)
 - 2 - Radio Removal Keys (Panasonic)
 - 2 - Radio Removal Keys (Kenwood I bis 1998)
 - 2 - Radio Removal Keys (Kenwood Mask)
 - 2 - Radio Removal Keys (Clarion-New)
 - 2 - Radio Removal Keys (Clarion)
 - 2 - Radio Removal Keys (Panasonic 2006)
 - 2 - Radio Removal Keys (Sony idic 2005)



T71405 Terminal Clamp Spreader

- Simultaneously spreads and cleans battery clamps
- Heat-treated, forged steel
- Deluxe handle for a secure grip



T75702 Auto Computer Memory Unit

- Retains memory of digital car radios, clocks and computer functions when battery is disconnected
- Use with 9-volt battery (not included)
- Keeps settings up to 4 hours



T75775 10pc Noid Light & IAC Signal Tester Set



- Noid lights provide the most efficient way to check electronic fuel injection (EFI) signals
- Idle or control (IAC) tester checks electronic control signal on GM vehicles with throttle body or port fuel injection systems
- Includes:
 - 8 - Noid-Light: Bosch PFI, Bosch 2, GM PFI, GM TBI, GM SCPI, Ford TBI, Geo TBI, GM Multec2
 - 2 - IAC Tester Light - Flat 4 Pin Connector, Square 4 Pin Connector

T75776 6pc Noid Light Set



- Most economical way to check electronic fuel injection (EFI) signals
- Quick and easy operation. Simply disconnect fuel injectors and plug the Noid Lite into the injector wiring harness
- When engine is cranked, normal signals are indicated in rapid flashes of the Noid Lite. Either a constant light or no light at all confirms an EFI signal problem

Checks systems of:

Bosch PFI, GM PFI, GM TBI, GM SCPI, Ford TBI, Geo TBI

T71295 Oxygen Sensor Thread Tool

- Cleans oxygen sensor threads
- Use with 3/4" hex socket or 3/8" sq. dr. handle
- Works on M18 x 1.5 spark plug threads



T71246 Ignition Coils Puller - VW, Audi

- Easily removes ignition coil from fuel injection engines found on VW and Audi
- The front hook removes ignition coil without damage
- Works on VW Bora, Golf, Beetle, Passat, Polo, Touran 1.4/1.6L, Lupo 4-yl, FSI, Phaeton, and T4, BBY, BKY 1.4





T71247 Ignition Coils Puller - VW, Audi

- Easily removes ignition coil from fuel injection engines found on VW and Audi
- Front hook removes ignition coil without damage
- Works on VW Bora, Golf, Passat, Sharan, Touareg, R32, Phaeton, and T5, V5 2.3, V3.2



T71248 Ignition Coils Puller - VW, Audi

- Easily removes ignition coil from fuel injection engines found on VW and Audi
- Front hook removes ignition coil without damage
- Works on VW 8 and 12 cylinder engines, Phaeton, B5, 1.8T, GTI, FSI 2.0



T71249 Ignition Coils Puller - VW, Audi

- Easily removes ignition coil from fuel injection engines found on VW and Audi
- Front hook removes ignition coil without damage
- Works on most VW, Audi injection engines



T71255 Offset Distributor Clamp Wrench

- Adjusts distributor bolt while adjusting engine timing
- Two offset box wrenches: 1/2" and 9/16"
- Chrome plated finish



T71301 Carburetor Adjusting Tool



- Adjusts idle screws on GM and Chrysler vehicles
- Includes four adaptors: 4.5mm, 1/4" hex sockets, "Double D" socket and 3/32" hex bit
- Heavy duty flexible shaft
- Adaptors store in handle or boot

T75709 23pc Terminal Release Tool



- Custom designed to release terminals from wiring connectors without damage to component
- Works on most vehicles



T75710 Dashboard Service Tool Kit - Mercedes Benz



- Complete parts to service dashboard for Mercedes series
- Contents:
 - 2 - Ignition Lock Remover - Model W124, W201
 - 2 - Ignition Lock Remover - Model W126
 - 2 - Instrument Cluster Removing Hooks - Model W107, W116, W123, W124, W126, W140, W201
 - 4 - Radio Set Remover - Model W129, W140, W202, W210

T75900 4pc Ignition Coils Puller Set



- Use for VW Bora, Golf, New Beetle, Passat, Polo, Touran 1.4/1.6l, Lupo 4-Zyl. Fsi, Phaeton and T4, Bby. Bky 1.4.
- Use for VW Bora, Golf, Passat, Sharan, Touareg, R32, Phaeton and T5, V5 2.3, V6 3.2.
- Use for VW 8-and 12 Cylinder Engines e.g. Phaeton, B5 1.8t, Gti. Fsi 2.0

T71069 12pc Universal Terminal Release Tool Set



- Quick and easy professional repair of malfunctions due to loose contacts
- Basic set of most plug-type connections for damage-free releasing of plug-type connectors
- Two-tone color handle with protective blade cap
- Application: Ford, BMW, Mercedes-Benz, Opel, Volkswagon, Fiat, Man, SAAB, Renault, Diamler-Chrysler, Porsche, PSA, Skoda, Audi, Mazda, Toyota



T71320 Feeler Gauge- 13 Blades

- Hardened, tempered high quality steel blades
- Permanently marked in standard and metric sizes
- Knurled locknut for easy blade selection



Inch	mm	Inch	mm
0.002"	0.05	0.020"	0.50
0.004"	0.10	0.024"	0.60
0.006"	0.15	0.028"	0.70
0.008"	0.20	0.032"	0.80
0.010"	0.25	0.035"	0.90
0.012"	0.30	0.040"	1.00
0.016"	0.40		

T71321 Feeler Gauge - 32 Blades

- 32 straight blades
- 0.010 brass blade for ignition
- Decimal and metric sizes



Inch	mm	Inch	mm	Inch	mm
0.0015"	0.04	0.014"	0.35	0.030"	0.75
0.002"	0.05	0.015"	0.38	0.032"	0.80
0.0025"	0.06	0.016"	0.40	0.035"	0.88
0.003"	0.08	0.017"	0.43		
0.004"	0.10	0.018"	0.45		
0.005"	0.13	0.019"	0.48		
0.006"	0.15	0.020"	0.50		
0.007"	0.18	0.021"	0.53		
0.008"	0.20	0.022"	0.55		
0.009"	0.23	0.023"	0.58		
0.010"	0.25	0.024"	0.60		
0.011"	0.28	0.025"	0.63		
0.012"	0.30	0.026"	0.65		
0.013"	0.33	0.028"	0.70		

Brass Blades

Inch	mm
0.010"	.254

T71322 Feeler Gauge - 20 Blade

- Hardened, tempered high quality steel blades
- Permanently marked in standard and metric sizes
- Knurled locknut for easy blade selection



Inch	mm	Inch	mm
0.002"	0.05	0.024"	0.60
0.004"	0.10	0.026"	0.65
0.006"	0.15	0.028"	0.70
0.008"	0.20	0.030"	0.75
0.010"	0.25	0.032"	0.80
0.012"	0.30	0.033"	0.85
0.014"	0.35	0.035"	0.90
0.016"	0.40	0.037"	0.95
0.018"	0.45	0.040"	1.00
0.020"	0.50		
0.022"	0.55		

T71324 Feeler Gauge - 26 Blades

- Hardened, tempered high quality steel blades
- Permanently marked in standard and metric sizes
- Knurled locknut for easy blade selection



Inch	mm	Inch	mm
0.0015"	0.04	0.015"	0.38
0.002"	0.05	0.016"	0.40
0.0025"	0.06	0.017"	0.43
0.003"	0.08	0.018"	0.45
0.004"	0.10	0.019"	0.48
0.005"	0.13	0.020"	0.50
0.006"	0.15	0.021"	0.53
0.007"	0.18	0.022"	0.55
0.008"	0.20	0.023"	0.58
0.009"	0.23	0.024"	0.60
0.010"	0.25	0.025"	0.63
0.011"	0.28		
0.012"	0.30		
0.013"	0.33		
0.014"	0.35		



T71328 Ignition Gauge - 16 Blades

- Hardened, tempered high quality steel blades
- Permanently marked in standard and metric sizes
- Knurled locknut for easy blade selection



Inch	mm	Inch	mm
0.011"	0.279	0.020"	0.508
0.012"	0.305	0.022"	0.559
0.013"	0.330	0.024"	0.610
0.014"	0.356	0.025"	0.635
0.015"	0.381	0.028"	0.711
0.016"	0.408	0.030"	0.762
0.017"	0.432	0.032"	0.813
0.018"	0.457		
0.019"	0.483		

T71334 Tune-Up Gauge - 18 Blades & 6 Wires

- Hardened, tempered high quality steel blades
- Permanently marked in standard and metric sizes
- Knurled locknut for easy blade selection



Wires:		Brass Blades:		Steel Blades:			
Inch	mm	Inch	mm	Inch	mm	Inch	mm
0.025"	.635	0.006"	.152	0.010"	.254	0.019"	.483
0.030"	.762	0.008"	.203	0.012"	.305	0.020"	.508
0.034"	.864	0.010"	.254	0.015"	.381	0.022"	.559
0.035"	.889	0.012"	.305	0.016"	.406	0.024"	.610
0.040"	1.02	0.014"	.356	0.017"	.432	0.025"	.635
0.045"	1.14	0.016"	.406	0.018"	.457	0.026"	.660

T71340 Tappet & Ignition Gauge - 18 Blades

- Hardened, tempered high quality steel blades
- Permanently marked in standard and metric sizes
- Knurled locknut for easy blade selection



Tappet Blades:		Ignition Blades:	
Inch	mm	Inch	mm
0.004"	.102	0.012"	.305
0.005"	.127	0.015"	.381
0.006"	.152	0.018"	.457
0.007"	.178	0.020"	.508
0.008"	.203	0.022"	.559
0.009"	.229	0.025"	.635
0.010"	.254	0.030"	.762
0.012"	.305	0.040"	1.02
0.013"	.330		
0.015"	.381		

T71336 Tappet Gauge - 12 Blades

- Hardened, tempered high quality steel blades
- 45-Degree offset blades for easy access
- Permanently marked in standard and metric sizes
- Knurled locknut for easy blade selection



Inch	mm	Inch	mm
0.008"	.203	0.016"	.406
0.010"	.254	0.018"	.457
0.012"	.305	0.019"	.483
0.013"	.330	0.020"	.508
0.014"	.356	0.025"	.635
0.015"	.381	0.026"	.660

T71436 Non-Magnetic Brass Gauge

- 6 Brass blades
- Stamped with decimal and metric equivalents

Inch	mm
0.006"	.152
0.008"	.203
0.010"	.254
0.012"	.305
0.014"	.356
0.016"	.406


T71460 Spark Plug Gauge

- Pocket size gauge for adjusting spark plug electrodes and gaps of high-energy ignition systems
- Includes 2 electrode adjusting tools

Inch	mm
0.040"	1.02
0.044"	1.12
0.045"	1.14
0.050"	1.27
0.060"	1.52
0.080"	2.03


T71465 Key Chain Spark Plug Gauge

- Pocket-sized, spark plug gauge with key-chain hole
- Marked in SAE and metric sizes
- From .020" to .100"


T71466 Spark Plug Gauge Display Stand

- Heavy duty construction
- Each stand holds 25pc spark plug gap gauges


T71467 25pc Gap Gauge with Stand


- Convenient, stable gap gauge holder
- Keeps gap gauges organized & prevents loss
- Stores up to 25 gauges (T71465)

T75715 Rechargeable Jump Start System


- Portable jump starting power for repeat starts
- Integral, heavy duty booster cables & crocodile clamps
- Recharges via supplied 110v AC transformer
- 5 Level charge display, 10 amp safety fuse
- Also powers other DC applications: vehicle accessories, camping equipment, entertainment, communications and lighting equipment
- Twin 12 volt DC inlet and outlet ports



T71578 Brake Adjustment Tool

- Quickly adjusts star wheel brakes on most GM vehicles
- Chrome plated finish resists corrosion
- Offset angle designed to reach confined areas



T71581 Brake Spoon - 7"

- Allows quick brake adjustments
- Chrome plated finish resists corrosion
- Double-ended spoon tips access hard-to-reach areas



T71584 Brake Spoon - 9"

- Allows quick brake adjustments
- Chrome plated finish resists corrosion
- Offset angle ends provide leverage in confined areas



T71605 Brake Spring Tool

- Removes and installs return springs on Bendix brakes
- Offset design for extra maneuverability



T71600 Brake Bleeder Wrench



- Drop forged, heat-treated steel
- Bleeds air from brake cylinders by loosening brake bleeder screws
- Double-ended offset design to reach confined areas

T71600 5/16" x 3/8"

T71601 1/4" x 3/8"

T71602 8mm x 10mm

T71603 7mm x 9mm

T71607 Brake Spring Tool

- Removes and installs return springs on imported car brakes
- Can also be used on domestic car brakes that do not use anchor pins



T71609 Brake Spring Compressor

- Removes and installs brake spring washers from 5/8" to 7/8" in diameter





T71610 Brake Spring Compressor

- Removes and installs brake spring washers from 5/8" to 11/16" in diameter
- Fits late model compact cars and light trucks



T71622 Brake Spring Compressor

- Removes and installs back plate springs, clips & pins
- Zinc plated to resist corrosion



T71611 Brake Spring Pliers

- Removes and installs brake springs
- Chrome plated finish resists corrosion
- Double-ended design



T71614 Brake Spring pliers

- Removes and installs return springs
- Works on drum brakes of domestic and imported vehicles
- Handle provides socket-type spring remover and hook-end replacer



T71633 3/8" GM Disc Brake Caliper Wrench

T71634 8mm Disc Brake Caliper Wrench

- Alloy steel, "Allen" type wrench
- Removes and installs brake caliper mounting bolts on cars
- 3/8" type hex wrench



T71709 3/8" Dr. Disk Brake Caliper Star Bit Sockets

- Heat-treated, alloy steel, S2 bits
- Removes and installs brake caliper mounting bolts on Ford and GM cars
- Contents: T40, T45, T50



3/8" Dr. Disk Brake Caliper Hex Bits



- Removes and installs brake caliper mounting bolts on newer domestic and imported cars
- Heat-treated, alloy steel, S2 bits

T71731 3pc Set: 1/4", 5/16", 3/8"

T71732 4pc Set: 1/4", 5/16", 3/8", 7/32"

T71733 3pc Set: 7, 8, 10mm



T71785 Brake Cylinder Hone

- Flexible shaft for easy use and self-centering
- Knurled nut controls honing tension
- 27/32" through 2" range



T71791 Brake Cylinder Hone

- Flexible shaft for easy use and self-centering
- Knurled nut controls honing tension
- 3/4" through 2-1/2" range



T71797 Brake Cylinder Hone

- Flexible shaft for easy use and self-centering
- Knurled nut controls honing tension
- 1-1/4" through 3-1/2" range

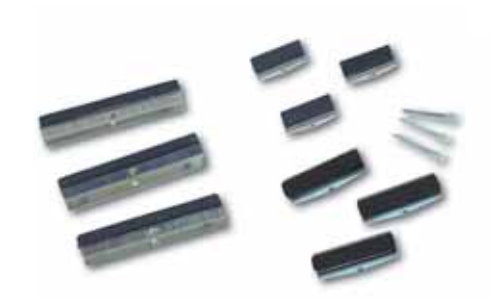


T71803 Brake Cylinder Hone

- Flexible shaft for easy use and self-centering
- Knurled nut controls honing tension
- 11/16" through 2-1/2" range



Replacement Stones for Cylinder Hones



T71792 3pc 1-1/8" Replacement Medium Stone Set

- Use with T71791

T71798 3pc 2" Replacement Medium Stone Set

- Use with T71797

T71804 2pc 1-1/8" Replacement Medium Stone Set

- Use with T71803

T71664 Brake Bleeder Hose

- Simple one man brake bleeding operation
- Neoprene hose with steel coupling



T71652 Bleed-O-Matic Brake Bleeder

- Allows one person to quickly bleed brakes
- Plastic cup collects discharged brake fluid
- Adaptors included to fit most applications



T71658 One Man Brake Bleeder

- Services caliper, brake and master cylinders
- Plastic bottle collects discharged fluid
- Powerful magnet attaches bottle to car
- Deluxe kit includes hoses and tapered fittings



T71893 Universal Bearing Packer

- Evenly injects fresh grease while forcing out old grease
- Fits many rollers and ball bearings
- Works with most car, boat, trailer and RV bearings



T71895 Portable Bearing Packer

- Simply press packer cap to inject new grease into bearing while forcing old grease out

Applicable: bearing max. I.D. 16mm and max. O.D. 95mm



T71899 Disk Brake Pad Spreader

- Easily installs pads on most cars
- Compresses disc brake piston for fast installation



T71900 Disc Brake Pad Spreader

- Easily installs pads on standard and four piston caliper disc brakes



T71917 Brake Spring Washer Tool

- Removes and installs brake shoe retaining spring washers
- Use on both large and small washers



T71921 Disc Brake Piston Remover

- Removes and installs disk brake pistons
- Rotates piston back into caliper cylinder
- Use on most imports, Ford, Chrysler and GM cars with four wheel disc brakes
- Use with 3/8" Dr. ratchet



T75867 Brake Cylinder Retainer Remover

- Removes brake cylinder by expanding and holding retainer ring
- For GM "J" and "X" body cars





T71640 Manual Brake Gauge Set



- Accurately measures brake lining
- Color coded gauge for easy identification
 - Red: 2, 3mm - Replace
 - Yellow: 4, 5, 6mm - Warning
 - Green: 8, 10, 12mm - Condition

T75805 Rear Disc Brake Caliper Tool Set



This tool set is used to install new brake pads by winding the piston back into the caliper through the convenient T-bar rotation. Piston retraction is smoothly completed without damaging the piston or boot. Its 9 adaptors can be used on both 2 and 4 wheel disc brakes.

Applications:

Audi, BMW, Ford, GM, Honda, Mazda, Mercedes, Mitsubishi, Nissan, Rover, Subaru, Toyota, Volkswagen, and most 4WD vehicles

T75879 21pc Rear Disc Brake Caliper Tool Set



- Includes more adaptors than T75805 for working on more and newer model vehicles
- Includes two T-bar center bolts with positive and negative thread for different models
- Consists of 19 adaptors and 2pc positive & negative thread center bolts

T75808 Air Brake Service Set



Includes:

- Brake clevis pin press
- Manual slack adjuster puller
- Automatic slack adjuster puller

Designed to easily remove air brake push rod clevis pins and S-cam air brake manual and automatic slack adjusters in no time. Operates on class 7 and 8 tractor and trailer brake systems. Uses effective screw power to apply force directly upon the object to be removed. The manual slack adjuster puller fits all manual types while automatic slack adjuster puller fits automatic types of Rockwell, Haldex, Gunnite and Bendix air brake systems.



T75816 Vacuum Pump / Brake Bleeding Set



Includes:

- Vacuum pump
- Die cast metal pump with fluid resistant valves
- Easy-to-read gauge (inches & millimeters)
- Brake bleeding kit

Everything you need to test cooling system temperature ranges, leaks and sensors. Pump's valves are resistant to most automotive fluids. Approximately pumps 1 cubic inch per stroke and holds about 25 inches of mercury vacuum. Gauge can be read easily by both right and left handed person.

T75831 2-Way Vacuum Pump and Brake Bleeding Kit



Includes:

- 2-Way vacuum pump for both in and out flows
- Fluid resistant valve pump
- Easy-to-read gauge
- Brake bleeding kit
- Tests cooling system temperature ranges, leaks and sensors
- Pump's valve resists most automotive fluids
- Provides both in and out flows for versatile applications

T75550 ABS Brake Pressure Test Kit



- Tests hydraulic pressure available to each wheel assembly
- Allows for balance testing to ensure pressure is being equally applied to front and rear wheels
- Kit consists of 22pc adaptors and reference table

Flare Nut Wrenches



- Drop forged steel, chrome plated
- For tube fitting applications in automotive, refrigeration, and trucks
- Extra thick double-end design prevents damage to flare nuts and metal fittings

T73383	3pc Set (SAE)	T73387	3pc Set (Metric)
T73384	3/8" x 7/16"	T73388	10 x 12mm
T73385	1/2" x 9/16"	T73389	13 x 14mm
T73386	5/8" x 11/16"	T73390	15 x 17mm



T73360 Double Flaring Tool Set - SAE



- Heavy duty construction withstands high pressure
- Use to double flare soft steel tubes and single flare soft brass, copper and aluminum
- Includes drop forged yoke and seven double flare adaptors
- SAE: 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 5/8"

T73361 Metric: 1/4", 1/2", 4.75, 5, 6, 8, and 10mm

T75756 Double Flaring Tool and Tube Cutter Set



This tool set is designed to accurately cut and double flare soft copper, aluminum and brass tubes of variable sizes. The die holding block is capable of being used with 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", and 5/8" outer diameter tubes. Yoke type compressor features a convenient T-bar rotation that allows firm grip for powerful winding. Flaring cone pushes down on the die block for an effective compression to create a precise automotive 45-degree flare.

Tube cutter features two wide rollers for smooth cutting. An additional retractable locking reamer blade and cutter wheel are located under the reamer blade.

- Outside diameter capacity is 1/8" to 1-1/8".

T75901 Flaring Tool Set



This tool set is designed to accurately flare and swage soft copper, aluminum and brass tubing of variable sizes. The die holding block is capable of being used with 1/8", 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 5/8" and 3/4" outer diameter tubes. Yoke type compressor features a convenient T-bar rotation that allows firm grip for powerful winding. Flaring cone pushes down on the die block for an effective compression to create a precise automotive 45-degree flare. The set's five spreaders enable the swaging of 3/16", 1/4", 5/16", 3/8", 1/2", 5/8", and 3/4" outer diameter tubes.

T75877 9pc Disc Brake Service Tool Set



- Complete disc brake tools in convenient storage case
- Adjusts brake shoes, retaining rings and installs and removes brake caliper mounting bolts
- Contents:
 - T71578 Brake Adjustment Tool
 - T71610 Brake Spring Compressor
 - T71614 Brake Spring Pliers
 - T71900 Disc Brake Pad Separator
 - T71921 Disc Brake Piston Remover
 - T71682 3/8" Dr. T40 Disc Brake Caliper Star Socket
 - T71683 3/8" Dr. T45 Disc Brake Caliper Star Socket
 - T71684 3/8" Dr. T50 Disc Brake Caliper Star Socket
 - T75867 Brake Cylinder Retainer Remover



T70557 Exhaust Spring Clamp Remover / Installer

- Essential for safe, controlled removal of clamps attaching exhaust to manifold
- Specially design provides leverage required to expand the strong spring clamps



T72101 Steering Pivot Pin Remover

- Simplifies telescoping and tilting steering column services
- Suitable for GM, Chrysler and Ford vehicles produced with Saginaw steering columns



T71522 Tailpipe and Tubing Cutter

- Quickly cuts exhaust and tailpipe in confined areas
- 16 cutting blades for fast and even cutting
- Cuts thin-wall copper and steel tubes of 3/4" to 3" in diameter



T71525 Heavy Duty Adjustable Pipe Cutting Pliers

- Cuts exhausts, tailpipes, tubes, cans and filters
- Powerful leverage design with T-bar for progressive tightening adjustment when cutting



T75822 Tailpipe Expanders



- Heavy duty steel construction
- Straightens out dents, bends in tailpipes and mufflers without damaging pipe or muffler
- 3 size capacities

T75822 Small 1-1/8" to 1-3/4"

T71519 Medium 1-1/2" to 2-7/16"

T75820 Large 2-1/8" to 3-7/16"

T72138 Seal Puller

- Easily removes oil and grease seals
- Heavy duty pro style handle
- 2 tip sizes reach most seal applications



T72139 Seal Puller

- Heavy duty, heat-treated steel
- Easily removes grease and oil seals
- Red vinyl, non-slip handle
- 2 tips for multiple applications





T72001 Front Wheel Drive Axle Nut Socket



- Chrome Molybdenum steel, 1/2" Dr.
- Extra long socket makes full contact with axle nut
- Prevents slippage and distortion of axle nuts

- T72007** 27mm Late model import & domestic vehicles
- T72008** 28mm Late model Corsairs, Monte Carlo's, various Cadillacs and KIA SUV's and wagons
- T72005** 29mm Late model GM, Ford Escort, Fiesta
- T72001** 30mm for GM "X" and "A" style cars
- T72002** 32mm Late model FWD Honda & FWD Chrysler cars
- T72010** 33mm for GM and Chrysler
- T72003** 34mm Late model Buick, Cadillac, Chevy, Oldsmobile & Pontiac
- T72006** 35mm Late model GM
- T72004** 36mm for GM "E" style cars
- T72009** 38mm for Rover Allego, Metro, Mini 1100, 1300 flywheel nuts and ball joints

T72044 1/2 Ton 4WD Bearing Locknut Tool



- Removes and installs 4 slot front axle lock nuts
- Reinforced outer lug sleeve for tough applications
- Heavy duty alloy steel
- Use for 1/2 ton 4WD vehicles

Applications:

- 1960 to current 1/2 Ton Chevrolet and GMC
- 1966 to current Bronco, Blazer, and Scout
- 1959 to current Ford F100 - 250
- 1969 to current Dodge international 1/2 Ton vehicles

T72047 3/4 - 1 Ton 4WD Wheel Bearing Locknut Tool



- Removes and installs 6 slot front axle lock nuts
- Heavy duty alloy steel
- Use on 3/4 - 1 Ton Ford and GM cars and trucks

Applications:

- Dana 70 axles
- 1978 to current Ford 3/4 Ton vehicles
- 1973 to 1981 GM 3/4 Ton and 1 Ton vehicles

T72048 1/2 - 3/4 Ton 4WD Wheel Bearing Locknut Tool



- Removes and installs 4 slot front axle lock nuts
- Heavy duty alloy steel
- Use on 1/2 - 3/4 Ton Ford and GM cars and trucks

Applications:

- 1986 to current Ford light trucks such as Bronco
Bronco II and Ranger with Dana 44 axles
- 1960 to current 1/2 Ton Chevrolet and GMC
- 1966 to current Bronco, Blazer, and Scout
- 1959 to current Ford F100-250
- 1969 to current Dodge international 1/2 Ton vehicles



T75868 1/2 - 1 Ton 4WD Wheel Bearing Locknut Tool



- Removes and installs large diameter 4 slot front axle lock nuts
- Use on 1/2 - 1 Ton Ford and GM cars and trucks
- Heavy duty alloy steel

Applications:

- | | |
|-------------|--|
| 1982 - 1990 | GM H.D. 3/4 and 1 Ton trucks |
| 1985 - 1995 | Ford F-series 1/2 Ton truck and full size Bronco with Dana 28 front axle |
| 1985 - 1995 | Ford F-series H.D. 3/4 and 1 Ton Dana 50 IFS or Dana 60 front axle equipped vehicles |

Tubular Spanner Wrenches



Removes and installs rear wheel bearing locknuts

Extra heavy duty construction for high torque loading

- Chrome Vanadium steel
- "6 Lug Spanner" design
- Fits 3/4" Dr. ratchets

T72049 1946 to current Chevrolet and GMC 5200 & 7200 lb axles (Socket O.D. 2-5/8")

T72050 1954 to current Chevrolet and GMC 11000 & 13500 lb axles (Socket O.D. 2-7/8")

T72051 1954 to current Chevrolet and GMC 15000 lb axles
1966 to current 17000 lb 2 speed axles
1965 to current 15000 lb trailing axles (Socket O.D. 3-5/8")

T72054 Ratcheting Lock Nut Tool



- Double-sided ratcheting style lock nut
- Small end fits Ford 1986 to 1994 light trucks with Dana 44 front axle
- Large end fits 1985 and newer Ford F150-F350 trucks with Dana 44 rear axle
- Use with 1/2" Dr. wrench

T72040 Toyota Wheel Bearing Locknut Tool

- Removes and installs wheel bearing locknuts
- Heavy duty construction for loading high torque
- Use with 1/2" Dr. torque wrench
- Works on 1995 and newer Tacoma, 1996 and newer T100 and 4 Runner



T72041 FWD Bearing Locknut Tool

- Heavy duty alloy steel
- Works on 1985 - late Ford F250 - 350 trucks rear axles with hi-shear rotating nut and DANA 80 rear axles for Ford trucks





T72055 Water Pump Socket

- Unique design efficiently removes and installs water pump
- Heavy duty construction
- Fits 1993 to newer Cadillac Northstar 4.6 liter and 1997 to current Oldsmobile Aurora 4.0 liter
- Use with 1/2" Dr. wrench



T75832 4WD Spindle Puller

- Pulls out 4WD front spindles for lubricating the inner needle bearing and front wheel alignment
- Fits common 4WD pickup spindles
- Sizes: 1-1/2", 1-5/8", and 2"



T75301 Truck Wheel Bearing Lock Nut Sockets



T75301	6pt	2-3/32"	T75310	6pt	3-1/2"
T75321	6pt	2-1/2"	T75311	8pt	3-1/2"
T75304	6pt	2-9/16"	T75325	8pt	3-3/4"
T75328	6pt (R)	2-9/16"	T75326	6pt	3-3/4"
T75322	6pt	2-5/8"	T75314	6pt	4"
T75323	6pt	2-3/4"	T75315	6pt	4-1/8"
T75334	6pt	3-1/8"			

Essential for the easy removal and installation of truck wheel bearing lock nut. Each socket's hex opening shape fits exactly over the lock nut, maximizing the surface area for effective winding. Sockets have a 3/4" Dr. for attaching an extension rod to access hard-to-reach locknuts in confined areas. A ratchet can then be attached to the extension rod for additional torque.

T75783 6pc Spindle Nut Wrench Set



- Chrome Vanadium steel construction for strength and durability
- Removes and installs 2/4 wheel drive light truck axle lock nuts
- Do not use with power tools

Contents and Applications:

T72040	Toyota 1995 and newer Tacoma, 1996 and newer T100 and 4 Runner
T72041	1985 to late Ford F250-350 trucks rear axle with hi-shear rotating nut and Ford Dana 80 truck rear axles
T72044	1960 to current 1/2 Ton Chevrolet and GMC, 1966 to current Bronco, Blazer and Scout, 1959 to current Ford F100-250 series, 1969 to current Dodge 1/2 Ton vehicles
T72047	1978 to current Ford 3/4 Ton vehicles, 1973 to 1981 GM 3/4 Ton and 1 Ton vehicles
T72048	1986 to current Ford Bronco and Ranger with Dana 44 axles, 1960 to current 1/2 Ton Chevrolet and GMC, 1966 to current Bronco, Blazer and Scout, 1959 to current Ford F100-250 series, 1969 to current Dodge 1/2 Ton vehicles
T75832	Works on common 1/2 and 3/4 Ton 4-wheel drive pickup spindles



T75773 7pc Wheel Bearing Lock Nut Socket Set



Great for easy removal and installation of passenger car wheel bearing lock nuts. Each socket's hex opening fits exactly over the lock nut, maximizing the surface area for effective winding. The sockets have a 1/2" Dr. that can have an extension rod attached to access hard-to-reach lock nuts in confined areas. A ratchet can then be attached to the extension bar for additional torque.

Contents and Applications:

- T75350** 6pt 2-3/8" 1984 -1992 Ford Ranger & Bronco
- T75351** Round 6pt 2-3/8" 1990 to current Ford Ranger & Bronco
- T75352** 6pt 2-1/2" Light duty trucks with rear axle and front axle
- T75353** Round 6pt 2-1/2" 1995 - 1996 F150 trucks and Bronco
- T75354** Round 6pt 2-9/16" 1990 - 1993 Dodge trucks with Dana 60 manual hubs
- T75355** 2-3/4" Round 6pt 3/4 and 1 Ton F250 and F350 trucks with automatic locking hubs
- T75356** 6pt 55mm Toyota front wheel adjusting nuts

T75746 9pc 1/2" Dr. Twister Socket Set (Metric)



- Chrome Molybdenum steel
- Designed to safely and easily remove damaged or rounded head fasteners
- No pounding chisels, hammers or torches
- Includes 8mm straight rod to remove fasteners from sockets
- Size: 10, 11, 12, 13, 14, 15, 16, 17, 19mm

T75770 Adjustable Wheel Bearing Lock Nut Wrench Set



- Capacity:
 - 6pt Lock Nuts: 1-3/4" to 5-1/4"
 - 8pt Lock nuts: 1-3/4" to 5-5/8"
 - Pin diameters: 1/4", 5/16", and 3/8"
- Adjustable jaws with locking feature fits both hexagon and octagon wheel bearing lock nuts
- Includes 3 pin sets to work with pin holes

T75795 5pc 1/2" Dr. Thin Wall Impact Socket Set



- Chrome Molybdenum steel for strength and durability
- Protective sleeves and plastic insert design prevents wheels and lug nuts from scratching
- Thin wall and deep hollow design fits most high performance alloy wheels
- Sizes: 3/4", 13/16", 7/8", 1", and 1-1/16"



T75793 3pc 1/2" Dr. Thin Wall Impact Socket Set



- Chrome Molybdenum steel for strength and durability
- Protective sleeves and plastic insert design prevents wheels and lug nuts from scratching
- Thin wall and deep hollow structure fits most high performance alloy wheels
- Sizes: 17, 19, and 21mm

T75788 8pc 1/2" Dr. Axle Nut Socket Set



- Chrome Molybdenum steel for performance and durability
- Extra long sockets prevent distortion and slippage on most domestic and import vehicles

Contents: 27, 28, 29, 30, 32, 34, 35, 36mm

Applications:

- T72007** 27mm Late model import & domestic vehicles
- T72008** 28mm Late model Corsairs, Monte Carlo's, various Cadillacs and KIA SUV's and wagons.
- T72005** 29mm late model GM, Ford Escort, Fiesta
- T72001** 30mm for Ford GM "X" and "A" style cars
- T72002** 32mm Late model FWD Honda & FWD Chrysler cars
- T72003** 34mm Late model Buick, Cadillac, Chevy, Oldsmobile & Pontiac
- T72006** 35mm Late model GM
- T72004** 36mm For GM "E" style cars

T75789 10pc 1/2" Dr. Axle Nut Socket Set



- Chrome Molybdenum steel for performance and durability
- Extra long sockets prevent distortion and slippage on most domestic and import vehicles

Contents: 27, 28, 29, 30, 32, 34, 35, 36, 38mm

Applications:

- T72007** 27mm late model import & domestic vehicles
- T72008** 28mm late model Corsairs, Monte Carlo's, various Cadillacs and KIA SUV's and wagons
- T72005** 29mm late model GM, Ford Escort, Fiesta
- T72001** 30mm for Ford GM "X" and "A" style cars
- T72002** 32mm late model FWD Honda & FWD Chrysler cars
- T72010** 33mm for GM and Chrysler
- T72003** 34mm late model Buick, Cadillac, Chevy, Oldsmobile, & Pontiac
- T72006** 35mm late model GM
- T72004** 36mm for GM "E" style cars
- T72009** 38mm for Rover Allego, Metro, Mini 1100, 1300 flywheel nuts and ball joints



T75799 Flip Impact Socket Set

- Chrome Molybdenum steel for strength and durability
- Contents:
1/2" Dr. flip impact sockets: 3/4" x 13/16",
19mm x 21mm and 1/2" Dr. x 3" extension bar



T70070 Tie Rod Adjusting Tool

- Versatile design enables 360 degree rotation of adjusting sleeve in confined areas
- Use on light trucks with 1-1/8" diameter adjusting sleeves
- Use with 1/2" Dr. ratchet or breaker bar



T72059 Tie Rod Separator



T72059 Tie Rod Separator

- Drop forged steel
- Rod separator removes tie rod from connecting links
- Opening: 21/32"

T72060 Ball Joint Separator

- Removes ball joints from connecting links
- Opening: 15/16"

T72061 Universal Ball Joint Puller (For Trucks)

- Powerful leveraged screw action removes ball joints efficiently without damaging axle or wheel housing
- Easy assembly and disassembly for convenient, compact storage
- Fits all truck ball joint sizes



T72062 Universal Ball Joint Puller (For Cars)

- Powerful leveraged screw action removes ball joints efficiently without damaging axle or wheel housing
- Easy assembly and disassembly for convenient, compact storage
- Fits all domestic and imported car ball joint sizes



T72058 Universal Ball Joint Remover

- Splits track rod ends, anti-roll bar mountings and ball joints in confined areas
- Fully adjustable for different size ball joints
- Jaw opening: 20mm



T72066 Tie Rod End Lifter

- Designed for speedy removal of ball joints on steering and suspension systems
- Durable drop-forged, heat-treated steel assembly for heavy duty applications
- Jaw opening: 19mm
- Maximum opening capacity: 38mm





T72067 Universal Ball Joint Separator

- Heavy duty "Scissor" design fits most cars and light trucks
- Easily separates press fit ball joints
- Durable, drop forged steel
- Quick-change steel pin and heat-treated thrust bolt with steel ball inserted into tip for heavy duty applications



T72068 Universal Ball Joint Separator

- Heavy duty "Scissor" design ideal for most vehicles
- Durable, drop forged Chrome Molybdenum steel
- 2 stage operation and offset lever easily separates press fit ball joints
- Quick-change steel securing pin allows for easy services on most passenger vehicles and light trucks



T72069 Pitman Arm Puller

- Heavy duty, heat-treated, drop forged steel
- Removes pitman arms from most cars
- Opening: 1-5/16"; Pull: 2-1/2"



T72070 Tie Rod End / Pitman Arm Puller

- Heavy duty, heat-treated, drop forged steel
- Removes pitman arms from most compact cars and light trucks
- Opening: 1-1/16"; Pull: 1-3/4"



T72074 Universal Pitman Arm Puller

- Heavy duty, drop forged, heat-treated jaws
- Bolt lock clamp jaws ensure firm grip
- Fits most vehicles and light trucks
- Max. opening 2-1/2"; Throat depth 3-3/8"



T72090 Inner Tie Rod Crimper Tool

- Crimps tie rod housing to rack flats to prevent tie rod from coming loose
- Works with all GM and Chrysler vehicles using Saginaw steering gear



T72092 Ball Joint / Tie Rod End Remover

- Fits most front wheel drive vehicles and light trucks
- Adaptor directly attaches to stud for easy and convenient use



T72064 Ball Joint Extractor

- Splits track rod ends, anti-roll bar mountings and ball joints in confined areas
- Fully adjustable for different size ball joints
- Jaw opening: 18mm





T72093 Ball Joint Puller

- Splits track rod ends, anti-roll bar mountings and ball joints in confined areas
- Fully adjustable for different size ball joints
- Jaw opening: 23mm, Jaw depth: 25mm



T72094 Universal Tie Rod End Tool

- Fits most cars and 4WD vehicles
- To use, insert tool between spindle arm and tie rod



T72098 Universal Tie Rod Tool

- Double-end enables 360 degree winding in confined areas
- Fits and adjusts tie rods on most cars and light trucks with split tie rod sleeves



T72104 "S" Type Drainer Wrench

- Sizes: square 8 & 10mm
- Drop forged steel
- Ideal for working on back axles, gearboxes and draining jobs



T72124 Lug Nut Cap Remover



- Specially designed to grip and twist heavy duty lug nuts without damaging the cap or marring the chrome finish
- Cushioned handle for added comfort

T75777 Drive Shaft Boot Changer



This device easily changes the drive shaft boot in no time.

12 different sized thread adaptors fit popular Japanese vehicles.

Applications:

M18 x P1.5 - Suzuki, M19 x P1.5 - Toyota

M20 x P1.0 - Nissan, Daihatsu,

M20 x P1.5 - Nissan, Mazda

M20 x P1.75 - M22 x P1.0 - Nissan

M22 x P1.5 - Nissan, Honda, Mitsubishi, Isuzu, Daihatsu, Mazda, Subaru

M24 x P1.5 - Nissan, Honda, M26 x P1.5 - Honda

M30 x P1.5 - 5/8" x 18 - Mini, 7/8" x 14 - Mini



T75517 Outer Tie Rod Remover



This handy tool removes the outer tie rod from steering knuckle. The adjustable jaw spread can match tie rods of variable sizes. The custom designed jaw tips ensure a firm grip that will withstand up to five tons of force. By utilizing balanced mechanical screw power to evenly distribute pulling force, leaving no trace of damage on existing components. This tool can be used on foreign and domestic cars with front / rear wheel drives and stamped / cast steel steering knuckles.

T75802 1-7/16" Inner Tie Rod Adaptor



- Removes and installs inner tie rod without the need to remove steering gear
- Use with T72088 Inner Tie Rod Tool
- For GM and Chrysler cars with Saginaw steering gear

T75804 Inner Tie Rod Tool



- Removes and installs inner tie rod without removing rack from car
- Black oxide finish to resist corrosion
- Double-end socket fits: 1-3/16" hex - some Ford (FWD) and Renault; 1-15/16" hex - GM, American Motors, Chrysler and Ford (RWD)

T75823 Inner Tie Rod Removal Set



Includes:

- Inner Tie Rod Socket Tool (T75804)
- Double Inner - Hex: 1-3/16" and 1-5/16"
- 1/2" Square Drive
- 3 Adaptors: 1-3/16", 1-5/16", 1-7/16"

No need to waste anymore time taking off the steering gear when your automobile's inner tie rods need replacing. This tool kit contains everything you need to directly remove and install the inner tie rod without the hassle of removing the steering gear. This can be used with both modern and old fashioned inner tie rod structures. The socket tool, double inner hex matches many vehicles, primarily Ford, Renault, GM, and Chrysler. The 1-3/16" hex applies to Ford (FWD) and Renault. The 1-5/16" hex applies to GM, American Motors, Chrysler, and Ford (RWD) vehicles. It also has a 1/2" square drive for torque wrench attachments. The 3 adaptors, used with the socket tool, operate on Ford, GM, and Chrysler vehicles. The 1-3/16" and 1-5/16" adaptors apply to vehicles with rack and pinion power steering and modern inner tie rods. The 1-7/16" adaptor applies to vehicles with Saginaw steering gear.



T75801 3-in-1 Ball Joint Service Set



3 Functions:

- Ball joint servicing
- Universal joint servicing
- Truck brake anchor pin service

This tool set contains three functions: removal / installation of ball joints, universal joints and truck brake anchor pins. Ball joint service can be implemented without having to take off the control arm. Universal joint service can be utilized on U-joints with needle-type bearings. Truck brake anchor service can be used with pins up to 1-1/4" in diameter. This set works with press-fit automotive components.

T75806 4-in-1 Ball Joint Service Set



4 Functions:

- Ball joint service
- Universal joint service
- Truck brake anchor pin service
- 4 Wheel drive ball joint service

This tool set has four functions: removal / installation of ball joints, universal joints, truck brake anchor pins and 4WD ball joints. Both ball joint service and 4WD ball joint service can be implemented without having to take off the control arm. Universal joint service can be utilized on U-joints with needle type bearings. Truck anchor pin service can be used with pins up to 1-1/4" in diameter. 4WD ball joint service equipment broadens the application to include vehicles with Dana 44 front axles such as 1967 to current 1/2 Ton and 3/4 Ton GM, Ford, Dodge, IHC and Jeep 4WD vehicles. For press-fit automotive components.

T75812 Master Ball Joint Adaptor Set



Includes:

- T75809
- T75810
- T75811
- T75819

Broadens the 3-in-1 Ball Joint Service Set (T75801) applications dramatically to work with a wide variety of vehicles. The set comprises installing and removing adaptors, receiver tubes and one center bolt. Operates with press-on type ball joints.

Applications:

Most GM, Dodge Ram, Jeep vehicles and 2WD Ford vans
1967 to current 1/2 Ton and 3/4 Ton Dodge, GM, Ford, IHC,
Jeep vehicles (autos with Dana 44 front axles)



T75809 4WD GM Ball Joint Adaptor Set



Removes and installs press-on type lower ball joints. Expands the 3-in-1 Ball Joint Service Set (T75801), making it compatible with most GM vehicles. Set contains 3 adaptors.

Applications:

GM - 1996, late 4WD 1/2, 3/4 Ton pickups, Suburbans and Yukon / Tahoe vehicles

T75810 Dodge Ram / Jeep Ball Joint Adaptor Set



Removes and installs upper and lower ball joints, and offset ball joints used to change caster / camber. Extends the 3-in-1 Ball Joint Service Set (T75801), making it compatible with almost all Dodge Ram and Jeep vehicles. Set includes 4 adaptors.

Applications:

1987 to current Jeep Wrangler
1990 to current Jeep Renegade
1993 to current Jeep Grand Cherokee
1994 to current Dodge Ram 4WD 1/2 Ton pickup

T75811 2WD Ford Van Ball Joint Adaptor Set



Removes and installs press-on type upper and lower ball joints. This tool set broadens the 3-in-1 Ball Joint Service Set (T75801), making it compatible with most 2WD Ford vans. Set consists of 6 adaptors.

Applications:

1992 - 1997 Ford 2WD 3/4 and 1 Ton vans

T75819 4WD Ball Joint Adaptor Set



Removes and installs upper and lower ball joints. Extends the application of the 3-in-1 Ball Joint Service Set (Model # T75801). Set includes 3 adaptors.

Applications:

1967 - current 1/2 and 3/4 Ton 4WD vehicles with Dana 44 front axle on GM, Ford, Dodge, IHC and Jeep



T75869 Pickle Fork Kit



Includes:

- 11/16" Wedge opening tie rod separator
- 15/16" Jaw opening ball joint separator
- 1-1/8" Opening pitman arm wedge
- 8" Handle to use with regular hammer
- 401 Shank handle to use with air hammer

Quickly separates ball joints, tie rods, pitman arms and shock absorber links. This kit contains cast-iron forks and 2 alloy steel handles that work with either regular or impact hammers. All 3 forks are interchangeable with either handle. Pilot head design handles absorb shock and protect threads from distortion.

T75602 Seal Driver Set



Makes the job of driving seals into their axle housing quick and easy. Contains 16 high-impact adaptors designed to fit most seal sizes up to 3-3/8" in diameter. Three of the adaptors are recessed to fit shielded seals.

T75903 Bearing Race / Seal Driver Set



Inserts the wheel bearing race and seal without damaging the bearing race or axle housing. Features double-sided discs to drive seals or bearing races. Includes 9 disc sizes to fit bearing races and seals on most domestic and import vehicles. Also includes a hose plug and cap kit

T72158 Wheel Stud Alignment Guide Tool - M14

- Guides wheel stud alignment when mounting wheels with long lug bolts
- Size: M14 x 1.5
- Works on all Mercedes models with lug bolts



T72159 Wheel Stud Alignment Guide tool - M12

- Guides wheel stud alignment when mounting wheels with long lug bolts
- Size: M12 x 1.5
- Works on all Mercedes models with lug bolts





T72160 "T" Handle Disclosed Tire Repair Tool

- Repairs punctured tires by plugging puncture with rubber coated inserts
- Designed for steel belted radial tires



T72167 4-in-1 Valve Stem Repair Tool

- Removes and installs tire core valves
- Rethreads the inside and outside of the valve stem
- Features E-Z Out for removing broken valve parts when shoulders are broken



T72169 Wheel Cover Tool

- Removes and installs wheel covers and hub caps
- Durable handle, rubber head and tip are designed for quick wheel cover replacement



T72175 Wheel Weight Tool

- Removes and installs wheel weights
- Heavy duty construction
- Balanced to swing as a hammer



T72207 Dial Type Gauge

- Zinc alloy case, enamel finish
- Chrome plated valve head and acrylic dial scales
- 10 - 60psi & 0 - 4.5kg/cm²



T72231 Offset Tire Gauge

- Calibrated 10 - 120 psi and 19kg/cm²
- Chrome plated, pocket clip



T72164 Valve Core Torque Tool

- Maintain proper pressure to prevent over or under torque
- Prevent premature tire failure due to valve leakage
- Also use as tire core remover and installer
- Torque range: 45N. Cm /4 Lb. in (± 6%)



T72165 Valve Core Torque Tool

- Maintain proper pressure to prevent over or under torque
- Prevent premature tire failure due to valve leakage
- Also use as tire core remover and installer
- Torque range: 25N. Cm /2 Lb. in (± 6%)





T73147 5pc Screw Extractor Set

- Removes broken studs, screws, bolts, pipes and fittings
- Chrome Molybdenum steel
- Features flutes for more positive grip
- Sizes: 1/8", 3/16", 15/64", 5/16" and 3/8"



T73148 5pc Screw Extractor Set

- Removes broken studs, screws, bolts, pipes and fittings
- Chrome Molybdenum steel
- Sizes: 1/8", 3/16", 15/64", 5/16" and 3/8"



T73151 5pc Screw Extractor Set

- Removes broken studs, screws, bolts, pipes and fittings
- Chrome Molybdenum steel
- Sizes: 5/64", 7/64", 5/32", 1/4" and 19/64"



T73153 6pc Screw Extractor Set

- 6 heavy duty steel extractors, reverse threaded for easy broken screws, bolts, studs or pipes removal
- Sizes: 1/8", 1/4", 5/16", 7/16", 9/16", 3/4"



T75927 4pc Stud Puller Set - SAE



- Removes threaded studs without damaging threads
- Alloy steel, heat-treated
- Use with ratchet or breaker bar
- Sizes: 1/4", 5/16", 3/8" and 7/16"

T75928 4pc Stud Puller Set - Metric

- Sizes: 6mm, 8mm, 10mm and 12mm

T70616 Clip Remover

- Removes clips in hard-to-reach or confined areas
- Dual-head design allows proper leverage for easy access and faster pull



T72135 Automatic Center Punch

- Automatic design cleanly and accurately punches steel, wood and plastic
- Heavy duty brass construction





T73302 Flat Clamp Pliers

- Removes and installs flat band hose clamps
- Rotating jaws can grip at any angle
- Ratchet lock lever holds jaws closed at different angles
- Heavy duty, durable construction



T73303 Angled Flat Band Hose Clamp Pliers

- Removes and installs flat band clamps where access is limited
- Long, angled jaws with rotating grooved tips grip at any angle
- Fine tooth ratcheting lock lever frees both hands for hose positioning



T75630 Internal / External Snap Ring Pliers Set



- 11pc combination of internal, external, straight, and bend snap ring pliers
- Chrome Molybdenum steel for strength and durability
- Insulated vinyl handle for positive grip
- 5" hook and pick tools included

T75632 10pc - 1/2" Heavy Duty Replaceable Tip Circlip Pliers Set



- Includes:
 - 8 - Replaceable Internal / External Tips (0.108" & 0.12")
 - 1 - Internal Circlip Pliers
 - 1 - External Circlip Pliers
- Replaceable tips with spring ratchet lock mechanism securely holds circlip against tension
- Offset tips for internal and external circlips
- Tips must be toed inward for internal applications and outward for external applications



T75740 10pc 1/2" Dr. Torque Extension Bar Set



- Eliminates over torqued lug nuts, broken or damaged stud nuts
- Prevents distortion of rotors, drums and wheels
- Easily torques wheel nuts to the correct torque
- Chrome Vanadium steel construction for exceptional accuracy and durability
- Color coded for easy size identification
- Sizes:
 - 55 Ft.Lb, 75Nm, 17mm Green
 - 65 Ft.Lb, 90Nm, 3/4" (19mm) Yellow
 - 80 Ft.Lb, 110Nm, 17mm Red
 - 80 Ft.Lb, 110Nm, 3/4" (19mm) Blue
 - 80 Ft.Lb, 110Nm, 21mm Light Brown
 - 100 Ft.Lb, 135Nm, 13/16" Brown
 - 100 Ft.Lb, 135Nm, 3/4" (19mm) Gray
 - 120 Ft.Lb, 160Nm, 7/8" (22mm) White
 - 140 Ft.Lb, 190Nm, 7/8" (22mm) Turquoise
 - 140 Ft.Lb, 190Nm, 15/16" Light Blue

T75742 4pc 1/2" Dr. Torque Extension Bar Set (Metric)



- Contents:
 - 90Nm (65Ft.Lb)
 - 110Nm (80Ft.Lb)
 - 135Nm (100Ft.Lb)
 - 160Nm (120Ft.Lb)

T75840 6pc Industrial Punch and Chisel Set



- Special go-thru handle design for impact use
- Chrome Molybdenum steel
- Black phosphate finish to resist corrosion
- Sizes:
 - 1 - Prick Punch,
 - 1 - Center Punch,
 - 4 - Chisels (10mm, 30mm, 50mm, 78mm)



T75842 9pc Brass Punch and Hammer Set



- Solid brass construction and wood handle prevent sparks when struck upon in electric and ignition areas
- Includes:
 - 2 - Hammers: 1/2 lb and 1 lb
 - 2 - Pin Punches: 1/2" - 1/4" x 4", 1/2" - 3/8" x 6"
 - 2 - Tapered Punches: 7/16" x 14", 3/8" x 8"
 - 1 - Hex Tapered Punch: 3/8" x 8"
 - 1 - Drift Punch: 1/2" x 8"
 - 1 - Bar Punch: 3/4" x 10"

T70056 9pc Gasket & Hollow Punch Set

- Driving mandrel and 9 punches: 2.5, 3, 4, 5, 6, 7, 8, 9, 10mm
- Not for cutting metal



T73402 Power Scissors

- Stainless steel, offset blades for safety
- Great for use in offices, gardens, garages, and workshops



Putty Knives / Wall Scrapers



Putty Knives:

- Semi-flexible tempered blades for putties and glues

Wall Scrapers:

- Extra-rigid stainless steel blades for tough scraping jobs

Putty Knives		Wall Scrapers	
T70785	1-1/4"	T70789	1-1/4"
T70786	2"	T70790	2"
T70787	3"	T70791	3"
T70788	4"	T70792	4"

T73158 6pc Electrical Screwdriver Set

- Heat-treated alloy steel, black oxide tips
- Color-coded caps for easy identification
- Slotted: 2.4 x 75mm, 3.0 x 100mm, 3.8 x 150mm
- Phillips: #0 x 75mm, #1 x 100mm, #2 x 150mm



T74610 Deluxe Siphon Pump

- Multi-use for liquid or gases transfers
- Facilitates easy and fast transfer



T73472 27pc Character Stamp Set

- Heavy duty steel construction to prevent bending or chipping under repeated blows



- T73472** 1/8" (3mm)
- T73473** 5/32" (4mm)
- T73474** 3/16" (5mm)
- T73475** 1/4" (6mm)
- T73476** 5/16" (8mm)

T73479 9pc Numerical Stamp Set

- High quality, heavy duty steel prevents any bending or chipping under the toughest jobs



- T73479** 1/8" (3mm)
- T73480** 5/32" (4mm)
- T73481** 3/16" (5mm)
- T73482** 1/4" (6mm)
- T73484** 5/16" (8mm)

T73404 4" (100mm) Magnetic Tray - Round

- Keeps loose nuts, bolts, screws and metal pieces in place
- Stainless steel, strongly magnetized


T73405 6" (150mm) Magnetic Tray - Round
T73406 Magnetic Tray - Rectangle

- Stainless steel, fully magnetized
- Heavy duty rubber covered magnets
- Keeps loose nuts, bolts, screws and metal pieces in place
- Size: 9-1/2" (L) x 5-1/2" (W)


T73410 9pc Magnetic Tray w/ Extendable Flashlight Magnetic Tools Holder w/ Pick Set


- Contents:
 - 1 - Heavy Duty Telescoping Pickup and 3-LED Flashlight
 - 1 - Pocket Magnetic Pickup
 - 4 - Two-Tone Color Grip Handle Pick Set
 - 1 - Curved Hook
 - 1 - 45-Degree Hook
 - 1 - 90-Degree Hook
 - 1 - Straight Pick
 - 1 - Magnetic Tray-Rectangle
 - 2 - 18" Magnetic Tool Holder

