

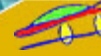


Gamela

Enterprise Co., Ltd.



Welcome to our site...



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Screw Extractor Set, Nut Splitter set , Hand Sander, Door Lock Tool, Hose Clamp Pliers, etc.:[01](#),[02](#),[03](#),
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Brake Tools **New** –Brake Fluid Tester [58876](#) [58881](#)

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[Engine Oil Pressure Taster & Check Kit](#)

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[Torque Screwdriver 59559, 59560](#)

[22pc ratchet set 59561](#)

[Automotive Noise Finder 58877](#)

[Glow Plug Analyser 58879](#)

[Electronic Stethoscope 58880](#)

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F58001**Disc Brake Caliper Tool (1/2" Drive)**

Quickly retract rear disc brake caliper pistons with these individually designed sockets. Essential tools for efficient disc pad installation.

Suits: Ford Falcon-EA, EB, ED. Fairlane-NA. LTD-DA

F58002**Heavy-Duty Truck Tie Rod Socket**

Use on most Class 7 and 8 heavy-duty trucks with 9000 to 20,000 lb. axles. U-shaped slot measures 1-7/8" x 1-1/2". Inside diameter is 3". Overall length is 3-1/2".

F59001**7PC. Valve Tappet Gauge Kit**

Seven 3" long x 1/2" wide blades with a 30° bend, individually mounted on molded E-Zee grip handles. Dual marked blades are replaceable.

Contains: .004", .006", .007", .008", .010", .011", .012"

F59002**39/41mm Fork Spring Compressor Kit for Harley-Davidson**

Designed to install fork caps on forks with large amount of spring pre-load. Will work on most 39mm and 41mm Harley-Davidson fork applications.

F59002-5 Jackscrew

F59002-1 39mm Adapter

F59002-2 39mm Socket

F59002-3 41mm Adapter

F59002-4 41mm Socket

F59002A**39mm Fork Spring Compressor Kit for Harley-Davidson**

Designed to install fork caps on forks with large amount of spring pre-load. Will work on most 39mm Harley-Davidson fork applications.

F59002-5 Jackscrew

F59002-1 39mm Adapter

F59002-2 39mm Socket

F59002B**41mm Fork Spring Compressor Kit for Harley-Davidson**

Designed to install fork caps on forks with large amount of spring pre-load. Will work on most 41mm Harley-Davidson fork applications.

F59002-5 Jackscrew

F59002-3 41mm Adapter

F59002-4 41mm Socket

F59003A, B, C**Crankshaft Turning Sockets**

- * Designed to easily rotate the crankshaft during engine assembly.
- * Manufactured from heat treated alloy steel.
- * Gold iridite plated for maximum corrosion resistance.
- * 1/2" square drive.

PART NO.	APPLICATIONS
F59003A	Small Block Chevy V8, 90° V6
F59003B	Big Block Chevy V8
F59003C	Ford, Buick, Olds, Pontiac with 3/16" keyway

F58004**Crankshaft Rotation Adapter**

No more broken balancer bolts. Rotates the crankshaft the proper way, when turning the engine with the balancer already installed. Useful when assembling an engine or degreasing the cam. Easily attaches to the balancer. Then crankshaft can be rotated with a 1/2" breaker bar or a 1" socket and breaker bar.

F59004**Hydraulic Valve Tappet Remover**

- * Removes stuck hydraulic valve tappets with heavy duty slide hammer type tool.
- * Jaws spread to clamp recessed area of tappet, use slide hammer to remove.
- * Adapters convert tool to a puller for baked-in tappets.
- * Turn adjusting nut with 5/8" wrench.

F59007**Needle Nose Adapter**

- * For all hand grease guns.
- * 4" adapter
- * Dispenses fine line of grease.
- * Fits over all couplers.

F59008**Grease Gun Coupler**

- * For all hand grease guns.
- * For hard to reach grease fitting on cars, trucks and equipment.
- * Ideal for lubrication of late model front wheel drive vehicles.
- * Includes both small and large sleeves to fit over all standard couplers.

F59009**Quick Disconnect Adapter**

- * For all hand grease guns.
- * Converts standard jaw-type lube couplers to steel needle points.
- * Small and large sleeves are supplied to fit most common couplers.

F58007-16, 17**Spark Plug Boot Puller Wrench**

Application: Benz V6 Engine.

F58007-16 16mm**F58007-17 17mm****F59010AB****F59010B****F59010A****Spark Plug Pliers**

* Made of 1/8" (3.2mm) steel with black-oxide finish.

* Spring-loaded for one-hand operation.

* Overall length: 11-1/2" (292.1mm)

* Extra long and thick polyethylene handles help guard against shocks.

* Specially designed head allows access on all angle pull heads and hard-to-reach applications like: Nissan naps-2 V30, General Motors V-6, 231 Chevette, 1.6, 1.8 with air and others.

* Unique posi-grip lips break tight insulators loose with just a twist.

F59010A Straight nose, Orange handles, Nose angle bent at 120°

F59010B Angled nose, green handles, Nose angle bent at 45°

F59011**Fan Clutch Wrench Kit**

Includes Universal Pulley Holder and Fan Clutch Wrenches.

* Services thermostatic fan assemblies without various size holding wrenches.

* 36, 39, 40, 47, 50 mm

* Ford trucks w/2.8L, 2.9L, 3.0L, 4.0L, 4.9L, and 5.0L engines.

* Dodge trucks w/3.9L, 5.2L, 5.9L, 8.0L, and V10 engines.

* GMC/Chevy trucks w/4.3L, 5.0L, and 5.7L engines.

* Jeeps w/5.2L engines.

F59011-3**3PC Fan Clutch Wrench Set**

Includes Universal Pulley Holder and Fan Clutch Wrenches.

* Removes and replaces thermostatic fan assemblies without various size holding wrenches.

- Ford trucks w/2.8L, 2.9L, 3.0L, 4.0L, 4.9L, and 5.0L engines.

- Dodge trucks w/3.9L, 5.2L, 5.9L, 8.0L, and V10 engines.

- GMC/Chevy trucks w/4.3L, 5.0L, and 5.7L engines.

- Jeeps w/5.2L engines.

* Universal pulley holder

* Wrench (40mm)

* Wrench (36mm)

F59011A**Fan Clutch Universal Pulley Holder**

Services thermostatic fan assemblies without various size holding wrenches.

This unique time saving tool is designed to trap and hold bolt-on pulleys by the mounting bolts on most applications. When used in conjunction with fan clutch wrenches it is especially useful in removing and replacing thermostatic fan assemblies while eliminating the need for various size holding wrenches. Applications for use in fan clutch removal include: Ford trucks w/2.8L, 2.9L, 3.0L, 4.0L, 4.9L, and 5.0L engines. Dodge trucks w/3.9L, 5.2L, 5.9L, 8.0L and V10 engines. GM trucks w/4.3L, 5.0L and 5.7L engines. Jeeps w/5.2L engine

F59011C**Fan Clutch Wrench Kit**

Includes Universal Pulley Holder and Fan Clutch Wrenches.

* Services thermostatic fan assemblies without various size holding wrenches.

* 36, 39, 40, 47, 50 mm

* Ford trucks w/2.8L, 2.9L, 3.0L, 4.0L, 4.9L, and 5.0L engines.

* Dodge trucks w/3.9L, 5.2L, 5.9L, 8.0L, and V10 engines.

* GMC/Chevy trucks w/4.3L, 5.0L, and 5.7L engines.

* Jeeps w/5.2L engines.

F59005**Fan Clutch Wrench Kit**

Includes Universal Pulley Holder and Fan Clutch Wrenches.

- * Services thermostatic fan assemblies without various size holding wrenches.
- * 22, 36, 40, 47, 50 mm.
- * Ford trucks w/2.8L, 2.9L, 3.0L, 4.0L, 4.9L, and 5.0L engines.
- * Dodge trucks w/3.9L, 5.2L, 5.9L, 8.0L, and V10 engines.
- * GMC/Chevy trucks w/4.3L, 5.0L, and 5.7L engines.
- * Jeeps w/5.2L engines.

F59005B**Fan Clutch Wrench Kit**

Includes Universal Pulley Holder and Fan Clutch Wrenches.

- * Services thermostatic fan assemblies without various size holding wrenches.
- * 22, 36, 40, 47, 50 mm.
- * Ford trucks w/2.8L, 2.9L, 3.0L, 4.0L, 4.9L, and 5.0L engines.
- * Dodge trucks w/3.9L, 5.2L, 5.9L, 8.0L, and V10 engines.
- * GMC/Chevy trucks w/4.3L, 5.0L, and 5.7L engines.
- * Jeeps w/5.2L engines.

F59013**15PC Disc Brake Service Tool Set**

- * Brake Spring Pliers
- * GM-Ford Disc Brake Piston Tool
- * Heavy-Duty Brake Pad Separator
- * Heavy-Duty Truck Brake Spring Tool
- * Brake Spring Tool
- * Disc Brake Piston Tool
- * Brake Adjusting Tool
- * Caliper Sockets:
Hex Socket: 1/4", 3/8", 7mm, 8mm, 10mm
Torx Socket: T40, T45, T50

F59013A**15PC. Disc Brake Service Tool Set**

- F59252 Brake Spring Pliers
- F59284 GM-Ford Disc Brake Piston Tool
- F59283 Heavy-Duty Brake Pad Separator
- F59232B Brake Spring Tool
- F59232C Brake Spring Tool
- F58170 Disc Brake Piston Tool
- F58107A Drum Brake Adjusting Tool
- * Caliper Sockets:
Hex Socket: 1/4", 3/8", 7mm, 8mm, 10mm
Torx Socket: T40, T45, T50

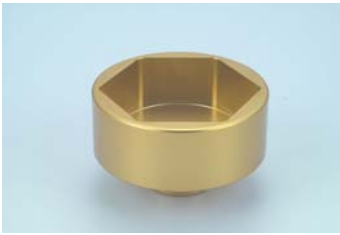
F59106**6PC Brake Service Tools**

- * BRAKE SHONE RETAINING SPRING TOOL
- * DRUM BRAKE ADJUSTING TOOL
- * DISC BRAKE PAD SPREADER
- * DISC BRAKE PISTON "CUBE"
- * BRAKE SPRING PLIERS
- * BLEED-O-MATIC BRAKE BLEEDING KIT

F58011**Harley-Davidson Rocker Box Cover Bolt Ratcheting Wrench**

Used for removal and installation of all Harley-Davidson Evolution motor rocker box covers.

- * 9-3/4" long chrome-plated single-end reversible ratcheting wrench contains 1/4" drive with 3/16" replace able Allen bit, and vinyl grip.
- * Low profile to allow for clearance between the frame and engine.

F58012**Spindle Nut 1/2" Drive****F58013****Hook and Pick Set**

Each hook or pick fitting is made of hardened steel that is 3" long. Includes a 3 lb. Quick-connect magnet. Knurled steel non-slip-grip handle with removable end-cap holds picks inside when not in use.

Includes:

- * Straight Tip
- * 90° Tip
- * Hook Tip
- * Combination Tip
- * Telescopic Pick Up
- * Component Compartment In Handle

F59018**Impact-Type Remover**

For sliding rail pins. Extension pins sold separately.

Screw: M4, M5, M6, M8, M10, M12

F58014**Mitsubishi/Hyundai Timing Belt Tensioner**

This tool has been designed to allow for the easy adjustment of the camshaft spur belts having idle pulleys with pin holes.

In operation, this spanner wrench with its protruding pins, grips the centre of the idler pulley and rotates it around its off-center retaining bolt.

This rotation then allows for camshaft spur belt tension adjustment.

Made from heat treated alloy steel with a soft grip handle.

Pin Dia: 3/16"(5mm)

Length: 7-1/4"(180mm)

F58015**Ford 7.3L Fuel Cap Tool**

Design allows for easy removal and installation of Ford 7.3L Diesel fuel caps and other Diesel filter systems using the same configuration. Works with fuel caps from 1995 to present. Improves ability to remove and install caps where access is a problem.

F58017**Remote Starter Switch**

- * Heavy duty, push button remote starter allows technicians to bump or crank engines while under the hood.
- * Long, 5 ft. leads.
- * Heavy duty insulated alligator clips.
- * Rugged rubber housing.
- * Great for high-use environments.

F58019**Transmission Stop-Off Tool**

- * Eliminates need to drain transmission fluid when making repairs or replacing drive shaft U-joints.
- * Plugs transmission drive shaft opening reducing transmission fluid waste on most domestic rear wheel drive cars.

F59006**Rotating Camshaft Pulleys Tool**

Length: 360mm

F58024**Lexus & Toyota Harmonic Damper Pulley Holding Tool**

This harmonic damper pulley holding tool has been developed to aid in the removal and installation of the crank bolt on most Lexus & Toyota passenger car engine.

These damper pulleys need a special tool to hold the pulley stationary for the center bolt to be removed. The bolt is extremely tight and without the FT-210, removal is extremely difficult at best without removing the radiator. In replacing the center bolt after installation of the pulley, factory specifications require 280 pounds of torque to seat the pulley properly. This tool allows the factory torque to be attained without using chain wrenches or use of impact.

This holding tool works with the following engines:

Lexus 1990 and later: 3.0 L6, 3.0 V6, 3.3 V6, 4.0 V8, 4.3 V8, 4.7 V8.

Toyota 1992 and later: 3.0 V6, 3.3 V6, 4.0 V6, 4.7 V8.

F58025**Flexible Hose Clamp**

- * For replacement of fuel, oil, and water hose.
- * Replaceable clipping member on the same clamp handle.
- * Hose clamp with flexible 580mm and 100mm wire.
- * Convenient for working hidden areas and distance.

F58027**Universal Lift Support Clamp**

- * Holds gas charged lift supports found on hoods, tailgates, hatchbacks and trunks.
- * Securely holds weak lift supports in the extended position to allow access to the engine compartment or luggage area.
- * Aluminum body and brass threads prevent damage to the lift support shaft.
- * Colorful flag serves as a reminder to remove the clamp before closing.

F59025**Bendix Brake Spring Tools**

Have a stainless steel clip that holds spring and washer in tool for easier removal/ replacement of brake shoes.

PART NO.	DESCRIPTION
F59025A	Small 5/8"
F59025B	Large 3/4"

F59027**Master Freeze Plug Installation Tool Kit**

- * Complete kit including straight and formed driver, all adapters and coupling nut, plug exclusive pneumatic adapter.
- * All parts quality machined and plated.

PART NO.	DESCRIPTION
F59027-1	18" Bent Shaft Freeze Plug Driver
F59027-2	Coupling Nut
F59027-3	1-3/4" Adapter
F59027-4	1-1/2" Adapter
F59027-5	1-1/4" Adapter
F59027-6	1" Adapter
F59027-7	3/4" Adapter
F59027-8	8" Straight Freeze Plug Driver

F58035**Saturn Window Glass Socket**

- * Designed to apply even pressure to the special nut used into hold the window glass to the window regulator in 1991 and newer 2 and 4 door Saturns.
- * Use with a 3/8" drive extension and ratchet.

F58036**Door Jammer**

- * Holds door open while you hammer, pull, grind, sand or paint.
- * For door and deck lids.
- * Fits any size latch.

F58037**Door Hinge Adjuster**

Adjusts door hinge position on most vehicles. Works on either bolted or welded hinges. A two-headed pin adaptors allows adjustment on doors with both small and large latches. 24" in overall length.

F58038**Emergency Brake Cable Removal Tool**

- * Used on domestic and import vehicles that utilize an emergency brake cable at the rear wheels with cable connector under the vehicle, including drum brake applications and most rear disc brake vehicles.
- * Place brake cable in slot of pliers and use blade of pliers to push the cable out of the cable connector.
- * hardened steel construction for durability.
- * Soft touch handle grips.

F58039**Retaining Ring Plier**

- * For use on automobile transmission rings.
- * 9-1/2" long with vinyl grips.

F58043**Mini Quarter Puller**

Fits small openings. Perfect for taillight openings and radiator supports.

F58044**Quarter Puller**

Pulls rear quarter and wheel well. Hooks above the lip of the wheel opening. Two curvatures (one on each side) will fit almost all cars. Eliminates tearing on thin sheet metal.

F59035**1/2"DR. Oil Filter Wrench**

ITEM NO.	Jiao number	inside diameter	Round	ITEM NO.	Jiao number	inside diameter size	Round
F59035-1	15	101		F59035-19	12	76.5	✓
F59035-2	15	87		F59035-20	18	96.5	
F59035-3	14	68		F59035-21	45	93	✓
F59035-4	14	68		F59035-22	15	86	
F59035-6	18	87	✓	F59035-23	15	75	
F59035-7	18	93	✓	F59035-24	14	74	
F59035-8	15	90		F59035-25	18	87	✓
F59035-9	15	100		F59035-26	12	59	
F59035-10	15	81		F59035-27	15	101.5	✓
F59035-11	14	65.5		F59035-28	10	95.5	
F59035-12	15	80		F59035-29	15	103	
F59035-13	15	86.5		F59035-30	10	79	
F59035-14	15	107		F59035-31	15	90	
F59035-15	14	76		F59035-32	15	86	
F59035-16	15	75		F59035-33	36	93	
F59035-17	15	95		F59035-34	36	93	
F59035-18	15	92.5		F59035-35	15	73.5	

F58405**Jimmy Bars**

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

F58405-1 5/8" diameter, 18" long. Wt., 1 lb., 8 oz.

F58405-2 3/4" diameter, 24" long. Wt., 2 lbs., 10 oz.

F58405-3 7/8" diameter, 30" long. Wt., 4 lbs., 7 oz.

F58405-4 7/8" diameter, 46" long. Wt., 8 lbs.

F58405-5 1" diameter, 54" long. Wt., 11 lbs., 3 oz.

F59040**Hydraulic Valve Lifter Remover**

Depresses the valve spring on Mitsubishi built DOHC engines for easy removal and replacement of the hydraulic valve lifters. Use on Turbo/Non-Turbo 1.6L 4 cylinder (1989 and later), 2.0L 4 cylinder (1989 and later), 3.0L 6 cylinder (1991 and later) and 3.5L 6 cylinder (1995 and 1996).

F59041**10Pc. Lubrication Adapter Kit**

Kit Includes:

- * Needle Adapter
- * Whip Hose with HD coupler and Quick Disconnect
- * Recessed Lube Adapter with Quick Disconnect
- * Rubber Tipped Seal Off Dispenser with Quick Disconnect
- * 1.5" Narrow Needle Adapter with Quick Disconnect
- * Right Angle Adapter with Quick Disconnect
- * 90° Adapter with Quick Disconnect
- * 3 Pc Fits Over All Couplers

F59041**Cummins Diesel Fuel Injector Remover Kit**

Kit contains a fuel injector connector tube remover and fuel injector puller. The fuel injector connector tube must be removed before removal of the injector, or both will be damaged.

Application: 1998-1/2-newer Dodge pickups and vans with 5.9L 24-valve Cummins diesel turbo engine.

F58056**8 PC. Door Hinge Remover & Installer Set**

Applicable: VW, Audi, Seat, Skoda, Mercedes, Renault.

Bits size: M8, M10, M12, T30, T40, T45, T50

F58056A**Door Hinge Remover & Installer Set**

Applicable: VW, Audi, Seat, Skoda, Mercedes, Renault.

Bits size: M8, M10, M12, T30, T40, T45, T50

F58057**Auto Door Lock Covers**

12 Piece Set.

Choose correct size lock cover and slip it over lock button.

If cover is loose, as on some imports, masking tape may be applied inside cover for adhesion.

Save Time Masking!

Fits Many Cars!

F58058A**Brake Cable Pliers**

To remove and replace the Hand Brake Cable. The Pliers compress the return springs so far that the cable may be easily removed and replaced.

Suitable for VW, Audi, BMW, Nissan, Peugeot, Renault, Rover, Seat, etc.

Length: 225 mm

F58058B**Positive Lift Action Clip Remover Pliers**

Allows easy access and removal of those hard to reach clips on bumper covers, fender liners etc. Features positive lift action without damage to the clip or the surrounding area.

Simply insert the jaws under the clip and squeeze the pliers to remove the clip.

Length: 9-1/2"(240mm)

F58058C**Windshield Wiper Arm Remover**

- * Tool removes wiper arms for most of the vehicles.
- * Protective pad on bottom jaw will not scratch painted surfaces. Place jaws between wiper arm and shaft and squeeze handles to remove.

F58059**Pulley Remover**

- * Puller grips crankshaft pulley grooves.
- * Pulley φ 130-156mm.
- * Groove pitch 3,56mm

F58060**4WD Front Hub Puller**

- * For removal of the front hub assembly, necessary for wheel bearing or brake rotor service. Provides the mechanical advantage and straight pull not possible with a slide hammer.
- * Services the following: 1988-2000 GM 1/2 ton, 3/4 ton and 1 ton trucks, Tahoe, Suburban, and Yukon; 1994-2000 Dodge 1/2-ton, 3/4-ton, and 1-ton Ram trucks; 1997-2000 Ford 1/2-ton trucks and Expeditions; 1998-2000 Ford 3/4-ton and 1-ton trucks and Excursions; and 1985-2001 Jeep Cherokee.

F58061A, B, C**Flexible Spark-plug Fitter**

- * Helps engage a spark-plug thread in any location.
- * For all types of spark plug.
- * Length 316 mm.
- F58061A 9/16" (14.3 mm)
- F58061B 5/8" (15.9 mm)
- F58061C 13/16" (20.6 mm)

F59042**4Pcs. Tire Wrench Set****F58043****Lubelink Automotive Accessory Kit**

- * Kit features the Lubelink Quick Connect System on all fittings and adapters.
- * Set contains a right angle coupler, 90° needlepoint coupler. Hypodermic needle coupler, right angle needlepoint coupler, 16" hose w/coupler, 6" rigid extension w/coupler, 3" straight needlepoint coupler, and a right angle tight tolerance coupler.

F59045**3 Pcs Utility Wedge Set**

F59045-22 22mm

F59045-30 30mm

F59045-60 60mm

F58062**Drum Plug Socket**

One socket removes virtually all screw-in drum plugs or caps large or small. Spring loaded inner wrench handles smaller plugs and recesses automatically when removing large plugs. Use with a 1/2" drive ratchet or impact wrench.

F58063**Spring Cap Socket**

1/4" drive double-ended socket is designed for subcompact brake spring on one end and the larger domestic cars and light trucks on the other. Industrial finish. Use with TM4B Driver.

F59012**Radiator Support Tab Puller**

Chevy Truck Bumper Alignment Made Easy!

* The machined discs fill the insulator opening to eliminate distortion.

* No need to remove the radiator support.

F59014**Lower Control Arm Bracket Puller**

* The Easy Way to Pull Without Removing the Lower control Arm or Bolt

Uses existing Lower Control Arm Bolt for pulling (keyhold plate goes behind bolt head).

* Shoulder nuts in kit prevent thread damage.

F58064**Universal Emergency Brake Tool**

Compresses spring on emergency brake cable to replace brake shoe arm.

* Fit vehicles using cable/spring emergency brake assembly.

* Eliminates pinched fingers.

* Frees one hand for replacing brake shoe lever.

F59047**Grease-Dispensing Accessory Pack**

Includes FT-530-10 thru FT-530-8 (except FT-530-1) (10 pcs) as follows in a plastic tray:

F59047-1 Needle Nozzle. (Not part of set) 1/8" NPT(f) thread. 2-3/4" long.

F59047-2 Flex Whip Hose. For powered and hand-operated grease guns. 1/8" NPT(m) both ends. 4500 maximum PSI. 12" long.

F59047-3 Flex Whip Hose. 18" long version of FT-530-2.

F59047-4 Heavy-Duty Coupler. 1/8" NPT(f) thread.

F59047-5 Swivel Coupler. 1/8" NPT(f) thread. Swivels a full 360o. The swivel locks in position every 45o.

F59047-6 Coupler. 1/8" NPT(f) thread. Fits all hydraulic-type grease fittings.

F59047-7 Extension Coupler. Lubricates recessed fittings. Locking sleeve adaptor allows quick attachment to hydraulic coupler of any control valve or lever gun. 6" long.

F59047-8 Angle Lube Adaptor. 90o head allows fast and complete lubrication of steering and suspension systems on late-model front wheel drive vehicles. 4-1/2" long.

F59047-9 Flex Whip Hose. For hand-operated grease guns only. 1/8" NPT(m) both ends. 18" long.

F59047-10 Universal Swivel. High-pressure swivel. 1/2"-27 male x 1/4" NPT (m) threads. 5000 PSI maximum working pressure.

F59047-11 Needle Nozzle Coupler. This is the FT-530-1 with a locking sleeve adaptor for quick attachment to a hydraulic coupler.

F58066**Door Hinge "Pin Popper"**

- * Removes door hinge pins fast.
- * Drives out even stubborn hinge pins.
- * Direct impact.
- * Clearance for door panels.
- * Works on all GM cars with removable hinge pins.
- * Includes PIN PULLER to remove loosened pins.

F58067**Door Aligning Bar**

The fastest means of aligning doors with welded hinges.

- * Unconditionally guaranteed for one year!

F58068**Store Door Aligning Bar**

Finally a convenient door aligning tool

- * Saves space. Fits easily into your tool drawer.
- * Uses your breaker bar for leverage.
- * Save time. You won't have to hunt for the shop tool.

F58069**Ford Headlight Retaining Clip Tool**

Fits majority of Ford, except 1996-1997 Taurus and Sable, 1996-1997 Lincoln. Two fingers spread locking tabs to release them. Tang of tool lifts back of clip to clear locking tab on panel. Removes clip without damage even in confined spaces.

F58070**GM Door Spring Tool**

Safest Tool Available for Coil Springs in GM Doors.

- * Compresses spring for easy, safe removal.
- * Sides safely enclose spring.
- * Deep reach version for GM B-Body.

F58071

**Universal Pulley Holder**

- * Adjustable jaws fit various water pump pulley bolt patterns.
- * Jaws lock in place to securely hold water pump bolts.
- * Long handle offers leverage for extra torque.

U.S.PAT.

F59048

**Maintenance Puller Kit**For bearings \varnothing 8 to 38mm.

Comprising

- Set of 6 expansion pullers.
- 2 beams.
- Adaptor.

F59048A

**"High-Force" Puller Set*** For bearings \varnothing 30 to 60 mm.

* Comprising:

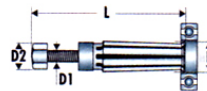
- 3 expansion pullers.
- 1 beams.

F59048EP

**Expansion Pullers**

- * More impact-resistant and durable.
- * Multiple blades, more flexible and less prone to
- * Easier to use.
- * Increased spread.

	D	Dmm(ma)	Lmm(ma)	D2 mm	D1
FS8048EP-1	6	8	76	12	M8
FS8048EP-2	8	10	76	12	M8
FS8048EP-3	10	13	88	12	M8
FS8048EP-4	13	18	100	12	M8
FS8048EP-5	18	22.5	112	17	1/2"
FS8048EP-6	22.5	30	139	17	1/2"
FS8048EP-7	30	38	158	22	1/2"
FS8048EP-8	38	50	190	1-1/4"	1/2"
FS8048EP-9	50	60	190	1-1/4"	1/2"
FS8048EP-10	70	110	169	10	G3/8"



F59049

**Brass/Polyamide/Aluminum Drift Punch Set**Capacity \varnothing 10 to 20 mm.

19 piece set

- 1 sheathed anti-vibration handle.
- 5 steel tips \varnothing 10, 12, 14, 16, 18 mm.
- Effective length 60 mm.
- 3 brass tips \varnothing 12, 16, 20 mm.
- Effective length 40 mm.
- 3 polyamide tips \varnothing 12, 16, 20 mm.
- 40 mm long.
- 1 extension 217.R12, effective length 100 mm.
- 3 brass tips for extension \varnothing 12, 16, 18 mm.
- Effective length 20 mm.
- 3 polyamide tips for extension \varnothing 12, 16, 18 mm.
- Effective length 20 mm.

F59050

**Ø3 to 8 mm Drift Punch Set**Capacity \varnothing 3 to 8 mm.

15 piece set

- 1 sheathed anti-vibration handle.
- 5 steel nail set tips \varnothing 3 to 8 mm.
- Effective length 40 to 65 mm.
- 5 steel drift punch tips \varnothing 3 to 8 mm.
- Effective length 40 to 65 mm.
- 4 brass tips \varnothing 4 to 8 mm.
- Effective length 20 mm.

F59051



Ø 25 to 30 mm Drift Punch Set

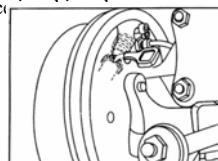
Ø 25 and 30 mm.
 5 piece set
 - 1 sheathed ant-vibration handle.
 - 2 brass tips Ø 25 and 30 mm.
 Effective length 40 mm.
 - 2 polyamide tips Ø 25 and 30 mm.
 Effective length 40 mm.

F58072



Clearance Adjusting Tool

First, take off a dust-proof cover of the clearance-adjusting hole disposed in the back of the drum brake system.
 Secondly, insert the clearance-adjusting tool into the clearance-adjusting hole and move the clearance-adjusting brake ratchet until a proper brake clearance



F58073



Slide-Hammer Straightener

* Chrome finish.
 * Length 715 mm.

F59015



Strip Molding Tool

When used with an air hammer, removes adhesive body moldings quicker and easier than ever before. With proper use, the Strip saves moldings without body damage.
 * Saves Body Moldings.
 * Reduces Body Damage.
 * Saves Time and Materials.
 * Screws holding blade are now coined to hold blade tight.

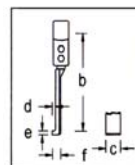
F59052



Universal Puller Set

- * 1 beam 2-arm
- * 1 beam 3-arm
- * 3 pulling legs
- * 1 spindle

b	c	d	e	f
100	27	6	3,6	13



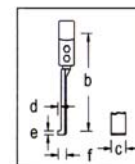
F59053



Universal Puller Set

- * 1 beam 2-arm
- * 1 beam 3-arm
- * 3 pulling legs
- * 1 spindle

b	c	d	e	f
200	27	6	3,6	13



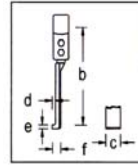
F59054



Universal Puller Set

- * 1 beam 2-arm
- * 1 beam 3-arm
- * 3 pulling legs
- * 1 spindle

b	c	d	e	f
250	27	6	3,6	13

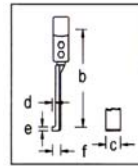


F59055



Universal Puller Set

- * 1 beam 2-arm
- * 1 beam 3-arm
- * 9 pulling legs
- * 1 spindle



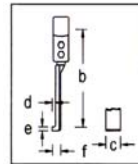
F59055A



Universal Puller Set

- * 1 beam 2-arm
- * 1 beam 3-arm
- * 3 pulling legs
- * 1 spindle

b	c	d	e	f
150	40	8	5,0	14



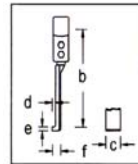
F59055B



Universal Puller Set

- * 1 beam 2-arm
- * 1 beam 3-arm
- * 3 pulling legs
- * 1 spindle

b	c	d	e	f
220	40	8	5,0	14



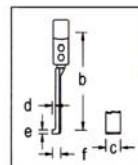
F59055C



Universal Puller Set

- * 1 beam 2-arm
- * 1 beam 3-arm
- * 3 pulling legs
- * 1 spindle

b	c	d	e	f
300	40	8	5,0	14



F59058



F59059**Screw Plugs**

These plugs screw into the center screw of the counter stay for extraction of parts with concentric tapped bores.

- Screw plug M 4
- Screw plug M 5
- Screw plug M 6
- Screw plug M 8
- Screw plug M 10
- Screw plug M 12

F59060**Screw Plugs**

These plugs screw into the center screw of the counter stay for extraction of parts with concentric tapped bores.

- Screw plug M 8
- Screw plug M 10
- Screw plug M 12
- Screw plug M 14
- Screw plug M 16
- Screw plug M 18

F59061**Screw Plugs**

These plugs screw into the center screw of the counter stay for extraction of parts with concentric tapped bores.

- Screw plug M 14
- Screw plug M 16
- Screw plug M 18
- Screw plug M 20
- Screw plug M 22
- Screw plug M 24

F59063**Deep-groove Ball Bearing Tool Set**

- * 2 extractor
- * 5 sets of arms
- * 1 set of spacer rings (13 ea.)

F59065**Micro-Engineering Puller Kit**

Enables removal of bearings where normal pullers are unable to be used by locking into the bearing race itself.

Contents:

- * 1 x Puller yoke with centre screw and twin arms.
- * 2 x Threaded leg extensions.
- * 1 x Centre screw thread cap.
- * 2 x 5.5mm ball ended threaded puller adapter.
- * 2 x 6.0mm ball ended threaded puller adapter.
- * 2 x 8.0mm ball ended threaded puller adapter.

F59066**Light Engineering Puller Kit**

Enables removal of bearings where normal pullers are unable to be used by locking into the bearing race itself.

Contents:

- * 1 x Puller yoke with centre screw and twin arms.
- * 2 x Threaded leg extensions.
- * 2 x 9mm ball ended threaded puller adapter.
- * 2 x 11mm ball ended threaded puller adapter.
- * 2 x 12.5mm ball ended threaded puller adapter.

F59067**General Engineering Puller Kit**

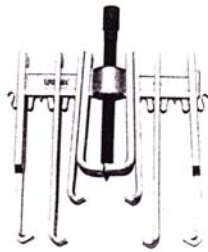
- 6 pairs of tips 16 - 19 - 22 - 25 - 28 - 32 mm,
Spread $\varnothing 70$ to $\varnothing 190$ mm.

F59068**Bearing Fitting Tool Kit**

Made of shock-resistant polyacetate, this light model is designed to be taken along and used out in the field.

Impact rings: 10 - 50 mm

Impact sleeves: 18 - 32 - 52 mm

F59019A**Farm and Shop Pullers With 8 Multi-Purpose Jaws**

This economical and versatile model comes with four pairs of multi-purpose jaws that can be reversed for use in both inside and outside pulling. The puller comes with four pairs of arms for different jobs

JAWS

Type	mm	"	
A	67	2-5/8"	Short, broad jaws with slots for cap screws; used for pulling off parts with tap holes
B	102	4"	Medium-length, broad jaws with sharp talons
C	139	5-7/16"	Long, broad jaws with sharp talons
D	140	5-1/2"	Long, slender jaws for inside pulling and working in confined spaces

F59019B**Farm and Shop Pullers With 8 Multi-Purpose Jaws**

This economical and versatile model comes with four pairs of multi-purpose jaws that can be reversed for use in both inside and outside pulling. The puller comes with four pairs of arms for different jobs.

JAWS

Type	mm	"	
A	80	3 1/4"	Short, broad jaws with slots for cap screws; used for pulling off parts with tap holes
B	120	5"	Medium-length, broad jaws with sharp talons
C	180	7 13/16"	Long, broad jaws with sharp talons
D	180	7 13/16"	Long, slender jaws for inside pulling and working in confined spaces

F59070**Steering Arm Puller**

For the removal of steering arm gears, ball bearing etc.

Clamping device will press legs securely behind parts to be withdrawn. Especially for extracting the inner bearing ring at VW-Audi cars.

F59071**Universal Steering Arm Puller**

For the removal of steering arm gears, ball bearing etc.

Clamping device will press legs securely behind parts to be withdrawn.

F59072**Universal Truck Ball-Joint Extractor**

With three interchangeable forcing forks for universal application to eccentric rods and tie rods on nearly all makes of vehicles, e.g., DAF, Iveco, MAN, Mercedes, Skania, Volvo, etc.

Opening C : 25 - 32 - 47 mm

F59021-35, 36, 39**Lock Nut Wrench**

FT-680-35 35mm

FT-680-36 36mm

FT-680-39 39mm

F59074**Windshield Wiper Puller**

* Removes wiper arms on many foreign and domestic cars and light trucks.

* Will not damage wiper arm or hood cowling during removal.

* Simply place puller feet under wiper arm and tighten forcing screw against wiper shaft.

F59074A**Windshield Wiper Puller**

* Removes wiper arms on many foreign and domestic cars and light trucks.

* Will not damage wiper arm or hood cowling during removal.

* Simply place puller feet under wiper arm and tighten forcing screw against wiper shaft.

F59075**Special Steering Wheel Puller**

For Opel, Ford and many other cars.

long and short pulling arms.

F59075L long pulling arm. Length: 135mm

F59075S short pulling arm. Length: 87mm

F59076**Special Steering Wheel Puller**

For Opel, Ford and many other cars.

long and short pulling arms.

F59076L long pulling arm. Length: 135mm

F59076S short pulling arm. Length: 87mm

F59077A

**Pullers With Yoke**

Model FT-700A has special-purpose legs for gearbox bearings.

Item No.	C min-max mm	P mm
F59077A	10-85	120

F59077B

**Pullers With Yoke**

Model FT-700B has special-purpose legs for gearbox bearings.

Item No.	C min-max mm	P mm
F59077B	10-85	180

F59077C

**Puller With Yoke**

C min-max: 10~150 mm

P: 160 mm

T: 60 kN



F59079

**Universal Puller Set**

2-arm

With pulling legs for narrow spaces in different lengths. Particularly well suited to be hung up on workshop walls. All required clamping depths available at any time.

← 130mm ↑ 100-200-250 mm

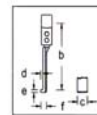
F59079-100, 200, 250

**Universal Puller Set**

2-arm

With pulling legs for narrow spaces in different lengths. Particularly well suited to be hung up on workshop walls. All required clamping depths available at any time.

ITEM NO.	b	c	d	e	f
F59079-100	100	27	6	3.6	13
F59079-200	200	27	6	3.6	13
F59079-250	250	27	6	3.6	13



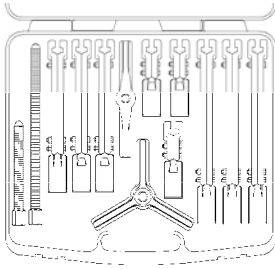
F59079B

**Universal Puller Set**

3-arm

With pulling legs for narrow spaces in different lengths. Particularly well suited to be hung up on workshop walls. All required clamping depths available at any time.

F59079B-13


Universal Puller Set
3-arm

With pulling legs for narrow spaces in different lengths.
 Particularly well suited to be hung up on workshop walls.
 All required clamping depths available at any time.

F59079BS


Universal Puller Set
3-arm

With pulling legs for narrow spaces in different lengths.
 Particularly well suited to be hung up on workshop walls.
 All required clamping depths available at any time.

F59078

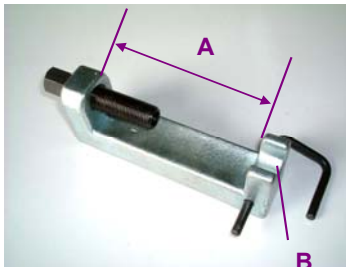

Ball Joint Puller Set

For Audi, BMW, Ford, Chrysler, Opel, Saab, Volvo, VW, Nissan, Toyota....

Ⓐ	∅ mm	Ⓒ	l mm
F59078A	23		55
F59078B	28		55
F59078C	34		63



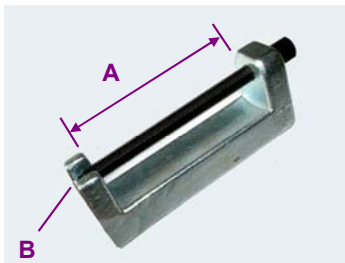
F58076A


Screw Pusher Set

For loosening and extraction of firmly sitting clamping screws, which fix the link pins in the wheel bearing housing of four-steering wheel front axles; e.g. of VOLKSWAGEN Passat + Synchro, AUDI A4, A6, A8 including Quattro, SKODA Superb.

A: 110 mm, B: SW 16 mm

F58076B


Screw Pusher Set

For loosening and extraction of firmly sitting clamping screws, which fix the link pins in the wheel bearing housing of four-steering wheel front axles; e.g. of VOLKSWAGEN Passat + Synchro, AUDI A4, A6, A8 including Quattro, SKODA Superb.

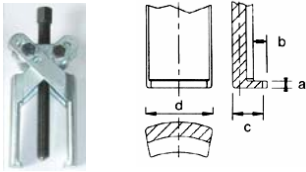
A: 90 mm, B: Ø 12 mm

F59082


Universal Hub Pullers

For all cars and commercial vehicles. Fits hub circles up to Ø 250mm.

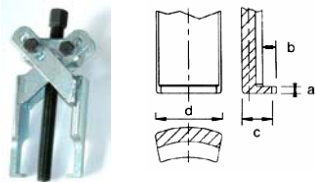
Revolving end parts of legs ensure that no damage can be done to studs, axle or inner parts of the wheel.

F59083, F59084, F59085**Pullers**

2-Arm with sharp pointed claws
To be used in confined areas.
The edged claws are sharp pointed.

mechanical

No.	max. torque		max. capacity	sizes of claw					
	mm	mm		ton	KN	a	b	c	d
A	6 - 100	70 - 85	45	2,5	25	2,5	4,5	8,5	23
B	10 - 140	85 - 120	65	2,5	25	3,5	5	11	31
C	15 - 140	125 - 155	75	4,5	45	3,5	5	11	31

F59086, F59087, F59088**Pullers**

2-Arm with sharp pointed claws
To be used in confined areas.
The edged claws are sharp pointed.

mechanical

No.	max. torque		max. capacity	sizes of claw					
	mm	mm		ton	KN	a	b	c	d
A	6 - 100	70 - 85	18	1,0	10	2,5	4,5	8,5	11
B	10 - 140	85 - 120				3,5	5	10	
C	15 - 140	125 - 155	50	2,5	25	3,5	5	11	12

F59089**Ball Race Extractors**

Schedule of 46 commonly used ball races with extractor sizes to fit.

F59090**Ball Bearing Extractor Sets**

- * Extractors
- * Sets of Pulling Legs
- * Supporting Pin

F59091**Counter Stays**

To obtain firm connection between extractor and pulling device centre screw of pulling device is screwed into nut of extractor.

F59092**Counter Stays**

To obtain firm connection between extractor and pulling device centre screw of pulling device is screwed into nut of extractor.

F59093



Pulling Units
for Separators and Thread Adaptors

Item No.	mechanical		Extensions
	mm	mm	length mm
F59093-1	100	110	100
F59093-2	130	110	150
F59093-3	165	185	
F59093-4	205	185	
F59093-5	260	260	
F59093-6	355	260	
F59093-7	530	260	

F59094



Pulling Units
for Separators and Thread Adaptors

Item No.	hydraulic		Extensions
	mm	mm	length mm
F59094-1	165	185	100
F59094-2	205	185	150
F59094-3	260	260	
F59094-4	355	260	
F59094-5	530	260	

F59095



Pulling Units
for Separators and Thread Adaptors

Item No.	mechanical		Extensions
	mm	mm	length mm
F59095-1	45-110	110	100
F59095-2	55-140	155	150
F59095-3	60-215	200	
F59095-4	85-295	315	
F59095-5	120-350	305	
F59095-6	140-435	320	

F59096



Pulling Units
for Separators and Thread Adaptors

Item No.	hydraulic		Extensions
	mm	mm	length mm
F59096-1	60-215	200	100
F59096-2	85-295	315	150
F59096-3	120-350	305	
F59096-4	140-435	320	

F59097



Thread Adaptors

Each set consists of 1 pair of thread adaptors per kind of thread as well as 1 pair of connecting nuts for being fixed to the pulling bolt.

Thread size:

- * M4, M5, M6, M8, M10, M12
- * M8, M10, M12, M14, M16, M18
- * M14, M16, M18, M20, M22, M24

F59098



Puller Sets

Unit
130mm, ↑ 110mm. 1 Pair Extensions
* Extensions: Length 100mm.
Separator
with pressure beam: Opening 12 - 75 mm.

1 Pulling

* Mechanical:

1

* Separators

F59022**Separating Pullers**

For a wide range of applications in which ordinary pullers would not be suitable.

With particularly space-saving arms for work in confined spaces.

←→ 40 - 145 mm ↑ 270mm

F59023**Puller with 2 wide legs**

Capacity Ø40 mm to Ø180 mm.

Reach 245 mm.

Max. pulling force 70 kN.

F59024**Door Hinge Remover & Installer**

M10 x T45 x 300mm

Suitable for Door Hinge Bolts

e.g. Audi 97- onwards; Renault Safrane/Laguna; Seat Arosa/Cordoba/Ibiza; VW Golf III/Golf IV/Passat 97- onwards/Polo/Vento; Skoda etc.

F59026**Cam Checking Fixtures with Dial Indicator**

* Easily checks cam lift with cylinder heads off.

* Fits 1/2" and 7/16" Threads.

* Measures to .001.

(For use with cylinder head off.) No more fumbling with a magnetic base and a dial to measure cam lift. This fixture holds the dial indicator and 5" extension (included) in the precisely correct position over the lifters, assuring proper geometry. Supplied with 1/2" and 7/16" adapters for use with any engine block. Includes 0-1.000" dial indicator 66962 (0.001").

F59099**Universal Pinion Depth Setting Tool**

The Universal Pinion Depth Setting Tool may be used to measure pinion depth of most automotive and truck differentials. Measurements are obtained by attaching the tool to the machined bearing cap mating surface in the housing and checking the distance to the pinion gear. Three dial indicator extensions (2", 3" and 4") are included to accommodate a variety of rear end types.

F58079**Panel Wedge Tool**

* Special design for removal the door panel.

* Applicable: W140

F59103**Standard Pullers****2-Arm**

Pulling legs drop forged in one piece therefore guaranteed not-bending even by extremely hard work.

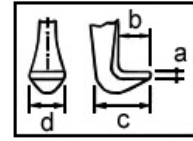
The double profile beam strengthened by trapeze design provide ample power.

Range of use extended by bolt holders which are pushed on beam instead of legs.

For swift and safe removal of wheels of any description, gears, races, ball bearings, pulleys ect.

mechanical

	mm	mm	sizes of claw mm			
			a	b	c	d
F59103 A	15 - 85	100	3	12	22	22
F59103 B	15 - 125	100	3	12	22	22
F59103 C	20 - 160	150	4	18	30	29
F59103 D	20 - 200	150	4	18	30	29
F59103 E	40 - 250	200	6,5	23	43	38
F59103 F	40 - 350	200	6,5	23	43	38
F59103 G	40 - 530	200	6,5	23	43	38

**F59106****Expansion-Type Puller Kit****Contents:**

- 7 Internal Extractors
- 2 Counter Stays
- 1 Pulling Chuck
- 1 Battery Term. Puller
- 2 Pullers

F59107**Universal Engineering Puller Kit****Contents:**

- 2 Universal-Puller(FT-906B, FT-906D)
- 2 Pair Extended-leg
- 1 Hydraulic Press(FT-706B)
- 1 Separator

F58080

Spannbügel
für zweiarmige Abzieher
F58080 BUE Spannbügel

No.	für Abzieher mit Spannweite
F58080 BUE	bis 130 mm \varnothing

F59108**Needle Bearing Extractor Sets**

Also for ball bearing and bushings.

For bores: dia. 12, 15, 18 mm.

For cars: Audi, BMW, Citroen, Fiat, Ford, DB, Opel, Peugeot, Porsche, Renault, Rover, Saab, Volvo, VW, Nissan, Datsun, Toyota...

Contents: Pair of legs, 3 distance wedges, 1 slide hammer with holder.

F59109**Wiper-Arm Puller Set**

Suitable for: VW-Audi, BMW, Ford, Mercedes, Opel, Peugeot, etc.

The first universal Puller Set to remove bolted Windscreen Wiper Arms, especially for those which have become rusted or corroded onto the drive-shaft.

Stubborn and deep-seated Wiper Arms may be quickly and easily removed using the F59109 Puller Set.

Wiper Arms with integrated Screen-Wash nozzles - e.g. VW-Audi, BMW etc. on the rear window - can be easily removed by using the Slide hammer included in the Set.

Wiper Arms with central holes may be removed by using the Pressure Spindle. Those Wiper Arms with no central hole require the Pressure Bolt to be used with the Pressure Adaptor supplied.

F58081



2 PC Flange Spreaders

These flange spreaders allow for fast and safe detachment of the DIN flange on pipings, e.g. when defective seals need to be replaced.

- * 1 piece of flange spreader
- * 2 piece of claws
- * 1 piece of spindle with wedge - M24 x 1.5

F59110



Flare Nut Insert Tools 12-Point

NO.		NO.	
F59110-10	1/4"	F59110-34	1 1/4"
F59110-12	3/8"	F59110-36	1 1/2"
F59110-13	1/2"	F59110-38	1 3/4"
F59110-14	5/8"	F59110-40	2"
F59110-16	3/4"	F59110-42	2 1/4"
F59110-17	7/8"	F59110-44	2 1/2"
F59110-18	1"	F59110-46	2 3/4"
F59110-19	1 1/8"	F59110-48	3"
F59110-21	1 1/4"	F59110-50	3 1/4"
F59110-22	1 1/2"	F59110-52	3 1/2"
F59110-24	1 3/4"	F59110-54	3 3/4"
F59110-26	2"	F59110-56	4"
F59110-27	2 1/8"	F59110-58	4 1/4"
F59110-30	2 1/4"	F59110-60	4 1/2"
F59110-32	2 1/2"	F59110-62	4 3/4"
F59110-36	3"	F59110-64	5"
F59110-41	3 1/2"	F59110-66	5 1/4"
F59110-46	4"	F59110-68	5 1/2"

F59028A, B, C



Hex Nut Drivers

F59028A-6 6PC Screwdrivers

Sizes: 2, 3, 4, 5, 6, 8 mm

F59028B-T/4 4PC Screwdrivers

Sizes: 15, 20, 25, 30 mm

F59028C-4 4PC Hex Nut-Drivers

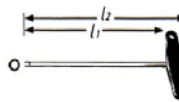
Sizes: 7, 8, 10, 13 mm

F59028D



Screwdrivers

No.	l_1 mm	l_2 mm	s mm
F59028D-2	100	118	2.0
F59028D-2.5	110	118	2.5
F59028D-3	150	188	3.0
F59028D-4	150	175	4.0
F59028D-6	200	232	6.0
F59028D-8	200	232	8.0
F59028D-10	200	235	10.0

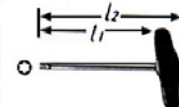


F59028E



Screwdrivers

No.	l_1 mm	l_2 mm	ϕ mm
F59028 E-T6	80	98	1,67
F59028 E-T7	80	98	1,99
F59028 E-T8	80	98	2,31
F59028 E-T9	80	98	2,50
F59028 E-T10	100	125	2,74
F59028 E-T15	100	125	3,27
F59028 E-T20	100	125	3,86
F59028 E-T25	110	142	4,43
F59028 E-T27	120	152	4,99
F59028 E-T30	130	162	5,52
F59028 E-T40	130	162	6,65
F59028 E-T45	130	165	7,82
F59028 E-T50	130	165	8,83



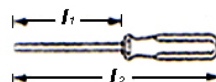
F59028F



Hex Nut Drivers

Sizes: 6, 7, 8, 9, 10, 11, 12, 13 mm

l_1 : 230mm l_2 : 265mm



F59029

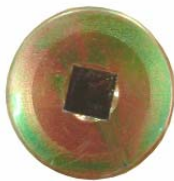
**Cam Bearing Installation & Removal Tool**

F58083

**Piston Ring Filer**

File piston rings with this portable rotary filer. Use to accurately size any make or diameter ring. Filer includes extra-hard, fine-grit carbide-coated cutter file.

F58086

**Crank. Socket Tool**

Rotates crankshaft during engine assembly. All small block Ford, Buick and Pontiac.

F58088

**Ball Joint Socket**

For medium-size Chrysler cars. 3/4" square drive. Wrench size is 1-59/64", length is 2".

F58089

**Ball Joint Socket**

For Chrysler pick-ups and vans. 3/4" square drive. Wrench size is 2-9/64", length is 2".

F59114

**Ball Joint Socket**

F58088 For medium-size Chrysler cars. 3/4" square drive. Wrench size is 1-59/64", length is 2".

F58089 For Chrysler pick-ups and vans. 3/4" square drive. Wrench size is 2-9/64", length is 2".

F58090**Universal Puller for Wet-Type Sleeves**

This tool will remove cylinder sleeves faster than ordinary pullers because it requires very little setup time. Cone adjustment positions the puller jaws quickly, locking bar is tightened. To aid in breaking "frozen" sleeves loose, adjustable bridge is positioned on the cylinder block and the bearing-mounted forcing nut is tightened. Next, bridge is removed and slide hammer assembly is attached. With a few sharp hammer blows, sleeve is pulled. In most cases, job time will average less than two minutes per cylinder. The puller features a 5 lb. slide hammer to help bust loose even the most stubborn sleeves.

* Special adapters are unnecessary.

* Adjustable jaws fit sleeves 3" to 6-1/2" in diameter.

F58091**Jimmy Bars**

8PT x 18mm diameter

F58091-500 500mm

F58091-600 600mm

F58091-800 800mm

F58091-1000 1000mm

F58094**Crankshaft Pulley Holder**

* Suit for BENZ M111, 112

* Brake loose the crank shaft pulley/harmonic balancer bolt.

Designed to properly secure the pulley from rotating during R & R of crank bolt. The 50mm hex head armature slips past the lightest of spaces and slides right into the center slot on the pulley. Then slide the long bar onto the receiving end of the armature and lock it into position with the securing bolt.

F58096A,B**Hinged Chain Wrench For Oil Filters**

* Burnished and chrome finish.

F58096A Suitable for filter Ø 60~105 mm. Length 350mm

F58096B Suitable for filter Ø 60~160 mm. Length 520mm

F58097**Door Handle and Window Lift Remover**

Compresses the door handle spring clip far enough so that the handle can be removed while the spring clip remains on the handle. Use tool's reverse end to disengage clip holding door upholstery panels. Fits GM, Ford and other cars using type of clip shown.

F58098AB**2Pc Hog Ring Plier Set**

Used for upholstery work on most all Domestic and Foreign cars.

* F58098A 45 Degree Hog Ring Plier

* F58098B Straight Hog Ring Plier

For installation of "Hog Ring" fasteners.

Specially made to grip and Hog Rings for closure.

Spring loaded to hold hog ring in jaws during use.

Cushion Grip Handle.

F58101**Sheathed Automatic Centre Punch**

- * Simply press the end to release spring impact.
- * Impact adjustable from 15 to 25 kg by rotating the end.
- * Tip hardened to 57-60HRC.

F59117**F59119****Pogo II**

The Pogo II will hook onto bolt heads flanges, almost anywhere, with no loss of bending power. Its one handed operation for leverage pulling to repair core supports. This shorter version will fit into a tool box for easy storage. 18-3/4" long.

F59120A, B, C**Outside Pullers**

Item No.	C min - max mm	P mm	T kN
F59120 A	7 - 140	147	30
F59120 B	10 - 180	200	40
F59120 C	20 - 260	250	40

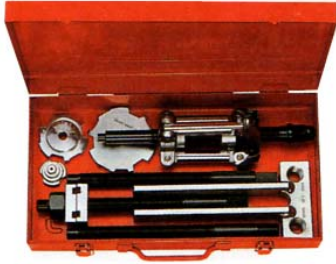
**F59121A,B****Inside Pullers**

Item No	C min - max mm	P mm
F59121 A	23 - 130	140
F59121 B	50 - 170	190

**F59123****Door Removal Tool**

- * Removes hinge pins from welded door hinges (for both solid and hollow hinge pins)
- * For all cars with welded door hinges.
- * Includes Door Spring Removal Tool.

F58030



Puller And Beam Kit

- * Comprising:
- 1 puller
- 1 beam
- * Spread \varnothing 70 to \varnothing 160 mm.

F58030A



Beam For Pullers

F58030B



Puller

- * Spread \varnothing 70 to \varnothing 160 mm.
- * Spreader application sizes:
- 70~100 mm
- 100~136 mm
- 130~160 mm

F58005



Hydraulic Screw

- * Force 100 kN.
- * Thread length 300 mm.
- * Plunger travel 14 mm.

F58006



Hydraulic-Screw Outside Puller

- * Force 100 kN.
- * Min./max. spread C 15/250 mm.
- * Reach P 250 mm.
- * Supplied with 3 long legs.



F58008



High-Capacity Puller

- * Min./max. spread C 30/460 mm.
- * Reach P 360 mm.



F58009



Slide Hammer

- * Thread M22 x 200.
- * Length 760 mm.

F58010



Slide Hammer

- * Thread 1/2".
- * For bearing inner Ø18 to 60 mm.
- * Length 450 mm.

F58016



Slide Hammer

- * Thread M8.
- * For bearing inner Ø6 to 18 mm.
- * Length 300 mm.

F59031-5L



General Engineering Puller Kit

- * For bearings Ø 18 to 50 mm.
- * Comprising:
 - 4 expansion pullers.
 - 1 slide hammer.

F59031-5S



Light-Engineering Puller Kit

- * For bearings Ø 6 to 18 mm.
- * Comprising:
 - 4 expansion pullers.
 - 1 slide hammer.

F59032A



Puller Kit

- * Comprising:
 - 1 beam
 - 1 separator
 - 8 sets of male adaptors threaded M8-M10-M12-M14.
 - 2 female adaptors.
- * Separator capacity Ø 15 to Ø 110 mm.
- * Beam spread Ø 70 to Ø 200 mm.
- * Max. reach 240 mm.

F59032B



Puller Kit

- * Comprising:
 - 1 beam puller FT-079-40-110B
 - 1 separator
 - 8 sets of male adaptors threaded M4-M5-M6-M8.
 - 2 female adaptors.
- * Separator capacity Ø 5 to Ø 60 mm.
- * Beam spread Ø 40 to Ø 110 mm.
- * Max. reach 180 mm.

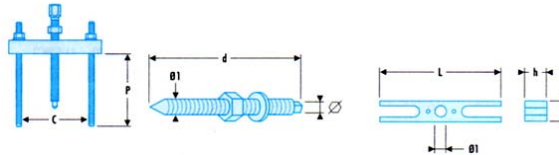
F59032S



Non-Tapped Beams

- * For removing bearing with expansion pullers.

	C mm	P mm	L mm	l mm	h mm	d mm	Ø1 mm	● mm
F59032S-25-100	25-100	125	110	20	20	8,5	M8	6
F59032S-70-200	70-200	240	220	30	30	28,3	M16	11



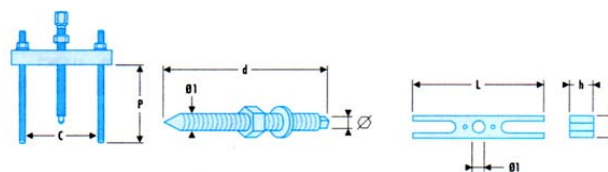
F59032M



Beam Puller

These 3 non-tapped beams have higher mechanical strength than versions (size, steel grades and heat treatment), to withstand greater stresses generated by hydraulics.

	Force kN	C mm	L mm	l mm	h mm	d mm	Ø1
F59032M-120-200	100	120-200	220	35	35	280	M20
F59032M-170-400	300	170-400	450	60	60	420	M33



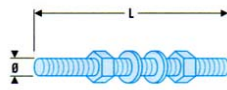
F59032L



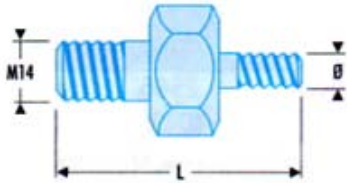
Spare Tie-Rods For Beams

* Supplied singly.

	Ø	L
	mm	mm
F59032L-M10	M10	205
F59032L-M16	M16	275
F59032L-M20	M20	350
F59032L-M22	M22	420



F59032MA

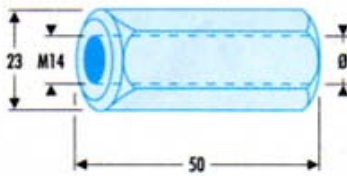


Beam Puller Accessories

* Male Adaptors

	Ø	L
	mm	mm
F59032MA-4	4	33,5
F59032MA-5	5	35,5
F59032MA-6	6	36,5
F59032MA-8	8	39,5
F59032MA-10	10	42,5
F59032MA-12	12	46,5
F59032MA-14	14	48,5

F59032FA



Female Adaptors To Fit Male Adaptors

	Ø
	mm
F59032FA-10	10
F59032FA-16	16
F59032FA-1/2"	1/2"

F58018

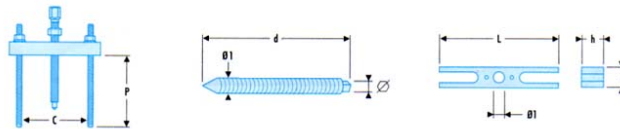


Seams

* Tapped beams, spread Ø25 to Ø400 mm.

* For use with separators and spherical or threaded tips.

	C	P	L	l	h	d	Ø1	●
	mm	mm	mm	mm	mm	mm	mm	mm
F58018A	25-95	100	105	20	20	155	M10	8
F58018B	40-110	180	135	25	25	217	M16	11
F58018C	70-200	240	220	30	30	283	M16	11
F58018D	75-280	300	320	45	35	283	M20	16
F58018E	145-400	350	450	50	50	343	M27	21



F59033A, B



Outside Pullers

* Puller with 3 interchangeable legs.

* Puller accessories: hydraulic screw and slide hammer.

	C min - max	P	T
	mm	mm	kN
F59033A	15 - 170	170	100
F59033B	15 - 250	250	100

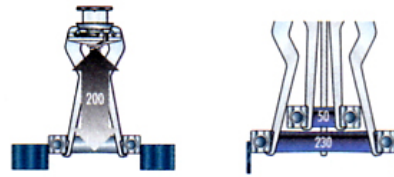


F58020



Inside Puller

- * Puller fitted with 3 long legs.
- * Puller accessories: hydraulic screw and slide hammer.



F59034A, B, C



F59034A

Abzieher Spannbereich 50 mm

Spannbereich 50 mm
Spannbereich:
Maxim. Öffnung 50 mm
Maxim. Reichweite 70 mm

F59034B

Abzieher Spannbereich 100 mm

Spannbereich:
Maxim. Öffnung 100 mm
Maxim. Reichweite 100 mm

F59034C

Abzieher Spannbereich 110 mm

Spannbereich:
Maxim. Öffnung 110 mm
Maxim. Reichweite 130 mm

F59036A






Twin-Arm Pullers

Of sturdy yet well balanced construction for all types of application.
Simple to operate.

Very wide range. Self-locking system prevents slipping of jaws. More pressure by forcing screw automatically increases grip of jaws.

Mechanical Centre Screws are interchangeable with Hydraulic Rams.

mechanical 2-Arm Pullers

No.	 mm	 mm	 kg
F59036A-1	15 - 85	85	0,33
F59036A-2	20 - 120	120	0,45
F59036A-3	20 - 165	145	0,82
F59036A-4	35 - 230	220	2,1
F59036A-5	50 - 300	270	4,5
F59036A-6	50 - 400	400	5,8
F59036A-7	50 - 500	500	7,4
F59036A-8	55 - 650	500	13,0

F59036B






Triple-Arm Pullers

Of sturdy yet well balanced construction for all types of application.
Simple to operate.

Very wide range. Self-locking system prevents slipping of jaws. More pressure by forcing screw automatically increases grip of jaws.

Mechanical Centre Screws are interchangeable with Hydraulic Rams.

mechanical 3-Arm Pullers

No.	 mm	 mm	 kg
F59036B-1	15 - 85	85	0,46
F59036B-2	20 - 120	120	0,61
F59036B-3	20 - 165	145	1,1
F59036B-4	35 - 230	220	2,7
F59036B-5	50 - 300	270	5,7
F59036B-6	50 - 400	400	7,9
F59036B-7	50 - 500	500	10,5
F59036B-8	55 - 650	500	17,5




F59037A, B






Pullers

Of sturdy yet well balanced construction for all types of application. Simple to operate. Very wide range. Self-locking system prevents slipping of jaws. More pressure by forcing screw automatically increases grip of jaws. Mechanical Centre Screws are interchangeable with Hydraulic Rams.

hydraulic 2-Arm Pullers

No.	 mm	 mm	 kg
F59037A-1	50 - 300	270	6,2
F59037A-2	50 - 400	400	8,2
F59037A-3	50 - 500	500	9,1
F59037A-4	55 - 650	500	14,5

hydraulic 3-Arm Pullers

No.	 mm	 mm	 kg
F59037B-1	50 - 300	270	7,7
F59037B-2	50 - 400	400	10,7
F59037B-3	50 - 500	500	12,2
F59037B-4	55 - 650	500	18,6

F58021



Pump Pulley Puller

F58022



Windshield Wiper Puller

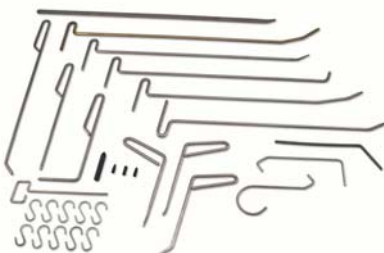
F58038



33 Pc. Paintless Dent Repair Kit

Hail damage, door dings and other cosmetic damage are quickly massaged out with this extensive 33 tool profit center.

F58038A



30 Pc. Paintless Dent Repair Kit

Hail damage, door dings and other cosmetic damage are quickly massaged out with this extensive 30 tool profit center.

F58023**Window Molding Remover**

Tool removes clips and spreads rubber gasket on Chrysler windows. Rounded point spreads zipper-type gaskets.

F58026**Window Molding Remover**

Tool removes window molding clips on GM, Ford and AMC vehicles. To use, place jaw flat against glass, locate clips and roll them out with tip, keeping jaw flat to glass.

F58028**Assembly Tool**

* For installing and removing the draw spring of hand brake shoes.

e.g. on Mercedes-Benz passenger cars with rear disk brakes.

* Hook with T-Handle.

* Special steel.

* Surface chrome-plated.

F58029**Opener For The Back Door Panel**

For VW Golf IV, SEAT, AUDI, Skoda ect.

* Universal tool for unfit and fix the Springs you can not easy reach on the inner panel in cars.

* The problem is especially on the rear door (back door) of VW Golf IV, AUDI, SEAT Leon and similar cars of VW.

F58039A, B**Installers For Brass Bushes In Trailer Tow Bars**

For easy, gentle installation of new bushes in tow-bar eyes.

* **F58039A 28 x 34 x 80 mm**

* **F58039B 30 x 36 x 100 mm**

F58030**Harmonic Balancer Installation Tool**

For small block & big block Chevrolet.

This tool makes installing the harmonic balancer very easy: just thread the proper end into crankshaft, and then rotate the nut which presses the bearing against the balancer which will slide onto the crankshaft smoothly.

F58032**CV Boot Band Pliers**

Suitable for Citroën, Peugeot etc.

For releasing and re-fitting reusable Clamp-Bands, types CLIC (Caillau/Serflex).

The jaws of these pliers are specially shaped to open and close even Clamp-Bands that are difficult to reach.

F58033**Audi/VW Fan Clutch Holding**

* Audi & VW Fan Clutch Idler Pulley Holding Tool is a 4 pin wrench design that holds the pulley of the viscous fan clutch.

* This allows the technician to hold the fan clutch with one hand and break the coupling nut loose with the other.

* Its long handle design gives the technician plenty of room to hold the wrench securely.

* (32mm) wrench is a perfect match for this fan clutch service.

* AUDI 1996-2001 A6 2.6L V6.

* VW 1998 and Later Passat 3.0L V6.

F58040**Chain Breaker And Riveting Tool**

To be used on cam chains or drive chains. Will break chains from #35 to #630. For chain 520 and up, it is recommended to grind the rivet head. Each kit includes 3 pin sizes to fit most chains. Features investment-cast, hardened body and redesigned body bolt.

F58034A**Angled Socket 22mm hex**

Application: VW-Audi, BMW, Mercedes, Ford, Opel/Vauxhall, Peugeot, Citroën, Renault, Seat, Skoda, Japanese cars, etc.

Hex: 22mm

Length: 250mm

Weight: 450g

F58034B**Angled Socket 22mm hex**

Application: VW-Audi, BMW, Mercedes, Ford, Opel/Vauxhall, Peugeot, Citroën, Renault, Seat, Skoda, Japanese cars, etc.

Angle bent at 30°

Hex: 22mm

Length: 250mm

Weight: 450g

F58040**Dual Piston Brake Press**

* Presses in dual brake pistons.

* Also works on single pistons.

* Universal application on all cars, light and heavy trucks.

* Single piece operation, eliminates nuts and bolts to assemble and disassemble on brake assemblies.

F58041**Auto Valve Tool**

For use on all motors with overhead valves-autos, motorcycles, marine, and aircraft. Will not bend or loosen valve springs. Works on gas or diesel engines; removes and replaces VW Rabbit keepers. Magnet retains keepers. Takes the place of C-clamp style removers.

F58042**Tubular Spark-Plug Wrench**

Ø 16 mm

F58046**Tubular Spark-Plug Wrench**

Ø 22.8 mm

F58047



Fan Clutch Holding Tool

F58048



Aluminum Tire Rim Installing Tool

* Installing in the machine, driving in it, pushes the wheel facilitating the placement of the cover in comparison with the collapsible one.

NO DAÑA LLANTA
ALUMINIO BAJO
PERFIL



COLOCA CUBIERTAS RUEDAS AUTO
*** Instalándola en la máquina,
accionando en E), empuja la rueda F),
facilitando la colocación de la cubierta
en comparación con el desmontable.

F59041



Universal Pulley Puller Set

F58049



Rubber Body Repair

F59044A, B



Hammer Rubber Body Repair

F58050



Timing Pulley Puller

- * Draws pulleys by the holes without causing damage.
- * Moving legs adapt to differing pulley diameters.
- * Compact design for use with engine in situ.

F58051



Abrasive Cutting Disk Arbor

- * This flush-type mandrel tightens by screw and used for most cutting, cut-off or grinding applications.
- * 1/4" Shank Size, 3/8" Arbor Hole, fits 1/32"-1/4" wheel thickness.

F59056



Universal Bearing Bushing Extractor Use W/Hydraulic Press

F58052



Self Adjusting Clutch Assemble Tool

Applicable for the most SAC-Clutch e.g. VW-Audi, BMW, Mercedes, Volvo, Opel/Vauxhall, Renault etc.

F59057A,B,AA,AB,BB



450 mm Magnetic Tool Holder

W/13PCS Magnets

F59057A Straight type

F59057B L type

F59057AB 1PC Straight type & 1PC L type

F59057AA 2PC Straight type

F59057BB 2PC L type

F58054A**Spark Plug Puller**

For installing and removing ignition coils with power stage on VW Polo, Golf 1.4, 1.6I, Caddy 1.4I, Bora 1.4, 1.6I, Passat, Touran 1.6I, Phaeton, Transporter T4.

F58054B**Spark Plug Puller**

For removing and installing ignition coils with power stage of injection engines on 5 and 6 cyl. VW Golf, Bora, 4 and 5 cyl. VW Passat, 6 cyl. VW Sharan, Touareg, Phaeton.

F58054C**Spark Plug Puller**

For removing and installing ignition coils with power stage of injection engines on VW 8 and 12 cyl.

F58055**5PC Dent Puller Set****F59062****3Piece Ratchet Buddies Set**

* Use your fingers to take the slack out of a bolt or nut so your ratchet can take over.

* Use as a palm drive for hand installations.

Set consists of: 1/4", 3/8", 1/2"

F58065



Sliding Hammer
Length: 390mm

F58074



Piston Detaching Tool

F59064



Universal Windscreen Wiper Arm Puller Set

for cars and trucks

Contents:

- * 8 grippers
- * 1 drive
- * 1 spindle-cap
- * 1 hollow-cap
- * 1 spindle-extension
- * 1 puller
- * 2 special-legs

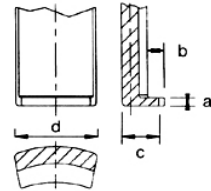
Cars: Audi, Alfa-Romeo, BMW, Chrysler-Jeep, Citroen, Chevrolet-Daewoo, Daihatsu, Fiat, Ford, Honda, Hyundai, Jaguar, KIA, Land Rover, Mazda, MG-Rover, MB, Mitsubishi, Nissan, Opel, Peugeot, Porsche, Renault, Saab, Seat, Skoda, Smart, Suzuki, Toyota, Volvo, VW...

Trucks: MAN, MB, Scania...

F59064A



Puller
2-arm
With Krallex-Legs
With integrated Leg-Clamp

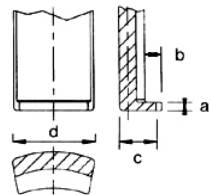


Ø mm min. - max.	↓ mm	max. torque Nm	max. capacity t KN	spindle mm thread x -length	SW	Leg mm			
						a	b	c	d
0 - 60	50	40	2,5 25	M12 x 90	13	2,5	5	8	26,5

F59064B



Puller
2-arm
With Special-Krallex-Legs
With integrated Leg-Clamp

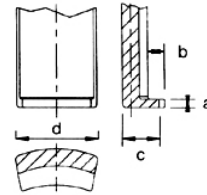


Ø mm min. - max.	↓ mm	max. torque Nm	max. capacity t KN	spindle mm thread x -length	SW	Leg mm			
						a	b	c	d
0 - 60	50	25	1,5 15	M12 x 90	13	2,5	3	6	15

F59064AB



Puller
2-arm
With Special-Krallex-Legs
With integrated Leg-Clamp



∅ mm min. - max.	mm	max. torque Nm	max. capacity t KN	spindle mm thread x length	SW	Leg mm			
						a	b	c	d
0 - 60	60	25	1,5 15	M12 x 90	13	2,5	3	6	15

F58075



Fan Clutch Spanner Wrench

* For GM , Jeep and Dodge trucks, vans and suv's with pressed on water pump pulleys.
* Double ended - hold the pulley firm with the spanner wrench.

F58077



CV Boot Clamp Pliers

Works on earless-type Clamp-Bands on axle collars, water and fuel hoses.
Universal Application.
Specially for VW-Audi etc.

F58078



F59070



23PC. System Release Tools

- For a damage-free releasing of e.g Flat plug contacts.
- Connection defects and corrosion can be repaired fast and easily.
- Assortment with 23 parts for the universal application in the motor electric sector.

F59070A**23PC. System Release Tools**

- For a damage-free releasing of e.g Flat plug contacts.
- Connection defects and corrosion can be repaired fast and easily.
- Assortment with 23 parts for the universal application in the motor electric sector.

F58082**General Purpose Filler Strip Insert Tool****F59071****Ford Rear Crankshaft Seal Installer**

- * This installer works on crankshaft rear oil seals that come with or without a metal wear sleeve.
- * Designed for use on 1993 - 1997 Aerostar or 1993 - 2004 Ranger and Explorer w/4.0L V6 engine.

F58084**Glow-Plug Connector Pliers(straight)**

To remove stubborn and awkward to reach Glow-Plug connectors, found on the latest generation of engines. e.g. Mercedes, BMW, VW-Audi etc.

F58085**Glow-Plug Connector Pliers(angled)**

To remove stubborn and awkward to reach Glow-Plug connectors, found on the latest generation of engines. e.g. Mercedes, BMW, VW-Audi etc.

- * Version angled at 90°

F58087**Slack Check**

The tool enables you to quickly check the brake adjustment on class 7 and 8 trucks and trailers having S-cam brakes. It features a sturdy, four-position handle to provide the leverage you need at the proper angle.

F58092**Hub Oil Seal Puller**

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

F58093**Heavy-Duty Universal Joint Puller**

The ideal tool for disassembling drivelines...

- * May be used with up to a one-inch impact wrench.
- * Quickly and easily removes sealed U-joint cups without the need for hammering or heat.
- * Will not damage the driveshaft, yoke, bearing cups, or joints.
- * Fits practically all Class 7 and 8 trucks, including: Spicer drivelines 1610, 1710, 1760, 1810, 1880 Spicer SPL 140, 170, and 250 "Life Series" Meritor (Rockwell) 16N, 17N, 18N, 1710 Meritor RPL 20 and 25 "Permalube" Series.

F58095A, B**F58095A Distributor Bushing Remover**

- * Used to remove the distributor drive shaft lower bushing from the engine block.
- * Works on Chrysler, Dodge, and Plymouth 3.9 V-6, 5.2 and 5.9 V-8 vehicles with distributors.

F58095B Distributor Bushing Installer/Remover

- * Used to install the distributor drive shaft lower bushing into the engine block. Then use this same tool to ream the new bushing so the distributor drive shaft fits properly into the bushing.
- * Works on Chrysler, Dodge, and Plymouth 3.9 V-6, 5.2 & 5.9 V-8 vehicles with distributors.

F58099**Ford Strut Removal Tool**

- * Works on:

1986–2004 Ford Taurus/Mercury Sable, front and rear.
1995–2000 Ford Contour/Mercury Mystique, front and rear.
1999–2002 Mercury Cougar, front and rear.
1995–2003 Ford Windstar, front.

- * This strut removal tool incorporates a long lever arm working against the strut's lower spring plate with a fulcrum pushing the knuckle down, creating maximum leverage. Frees bottom of the strut from the knuckle.
- * Better than a pry bar.

F58100**Fuel Feed Pipe Pliers**

Application: Opel/Vauxhall, Fiat, GM, VW etc.
For undoing quick release connections on fuel feed pipe lines.

F58102**Universal Valve Spring Compressor**

High leverage. One hand operation. Exceptionally strong, rigid frame, weighs only 6 lbs. Works with most valve-in-head and L-head engines as well as truck and tractor engines.

F58103**Bosch Nozzle Socket**

Here's a helpful multipurpose tool for removing or installing injector nozzles. You use the inner socket to hold the nozzle stationary, and the outer socket to loosen or tighten the nozzle's gland nut.

F58149**GM F-Body Camber Adjusting Tool**

This unique tool works like an extra hand to hold the strut while you're making camber adjustments. For use on 1982 to '92 Camaro and Firebird.

F58150**Alignment Assist Tool**

With this tool, you won't need to remove tires to adjust the camber on most GM and some Chrysler FWD vehicles. The tool sits on top of a tire and presses against the strut to prevent the tire from moving, allowing you to do the adjustments. For Chrysler and GM vehicles with slotted strut mounts that don't use eccentric washers on the through slots for camber adjustment. (Applications do not include Buick Park Avenue, Cadillac Fleetwood, Oldsmobile 88 and 98, and Pontiac Bonneville – if they have rear air suspension.)

F59073**Ford Rear Main Oil Seal Kit**

* Works on 1994 - 2003 7.3 diesel engine in Ford 3/4- and 1-ton trucks.

* A complete kit with the tools you need to properly remove and install the rear main oil seal and wear ring on the crank shaft.

* Eliminates makeshift methods of seal removal and installation that could damage new seal or crankshaft.

F58151A**Computer Edgeboard & Header Release Tool.**

Each end of the tool works on different terminal connector configurations. Works on various domestic and import models.

F58151B**Weather Pack Sensor Terminal Release Tool**

various domestic and import models.

F58151C**Micro-Style Terminal Release Tool**

Works on various domestic and import vehicles.

F58151D**Terminal Release Tool**

Specifically designed to release ID computer terminals on 1988 thru current GM W bodies, 1990 thru current Chevrolet Lumina sedans, and various other domestic and import vehicles.

F58151E**Terminal Release Tool**

Universal harness release tool designed for the RWAL (rear wheel anti-lock) microprocessor found on 1988 thru current GM pickups. Also Works on various other domestic and import vehicles.

F58151F**Terminal Release Tool**

- * Releases terminals from their plastic connectors without damaging either.
- * Releases terminals on most body wiring connectors.
- * Works on various import and domestic vehicles.

F58159**GM Caster / Camber Adjusting Tool**

This tool is designed to make caster/camber adjustments quick and easy. Simply place it into the holes in the cross-member and lower control arm, then turn the tool's turn-buckle nut to hold the correct adjustment. This allows you to tighten the adjusting bolts. For use on 1993 to 2000 Chevrolet Camaro and Pontiac Firebird. Also works on 1986-92 Buick Riviera, Cadillac Seville, Oldsmobile Toronado, and 1986-91 Buick Regal.

F58162A**Conical Pitman Arm Puller**

- The FT-708A tool is designed to fit Pitman arms on compact and intermediate cars.
- * Conical design gives increased strength, stability, and fits securely on a Pitman arm.
 - * Spread is 1-1/4" with a reach of 2-1/4".
 - * 3/4-16 x 4-3/4" forcing screw provides enough power to remove stubborn Pitman arms.

F58162B**Conical Pitman Arm Puller**

- The FT-708B tool is designed to fit Pitman arms on domestic cars and light-duty trucks.
- * Conical design fits securely on Pitman arm.
 - * Spread is 1-1/2" with a reach of 2-1/2".
 - * 3/4-16 x 4-3/4" forcing screw provides enough power to remove stubborn Pitman arms.

F58163



Ford Mirror Removal Tool

Save shop labor time and cost by allowing mirror to be removed without damaging or removing the mirror assembly.

Works on these outside door mirrors:

- * 1997-2002 Windstar
- * 1998-2004 Crown Vic, Grand Marq, Marauder, Taurus, Sable, Mustang, Town Car
- * 1999-2004 Ranger, Excursion, Super Crew (F-250--F-550), F-650, F-750
- * 2001-2004 Escape
- * 2002-2004 Thunderbird
- * 1996-2004 Explorer
- * 1997-2004 Mountaineer
- * 1998-2004 Expedition, Navigator, F-150
- * 1999-2004 E-Series van
- * 2000-2004 LS
- * 2001-2004 Explorer Sport, Explorer Sport Trac
- * 2003-2004 Aviator
- * 1999-2004 Dual arm mirror used on Excursion, Super Crew (F-250--F-550), F-650, F-750
- * Also works on 1999 and newer Ford interior / rearview mirrors that have the detachable (screwless) mount.

F58168



Ford Caster/Camber Adjusting Tool

- * Works on 2002-2004 Ford Explorer and Mercury Mountaineer.
- * Tool allows you to slide control arm in the positive or negative direction.
- * Saves up to 30 minutes and allows more accuracy. Adjust caster/camber while maintaining live alignment reading.

F58169



Dodge Caster/Camber Adjusting Tool

- * Works on 2002-2004 Dodge Ram 1500 pickups.
- * Tool allows you to slide control arm in a positive or negative direction.
- * Adjust caster/camber while maintaining live alignment readings. Saves up to 30 minutes; allows more accuracy.

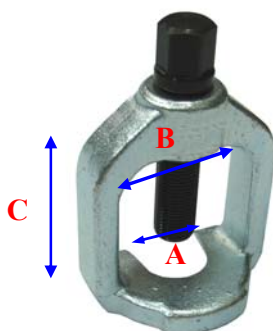
F59079



Universal clutch aligner

- * Bush and cone system.
- * Comprising:
 - 1 guide spindle
 - 11 bushes Ø 12 to 22 mm.
 - 3 cones Ø 25, 30 and 40 mm.

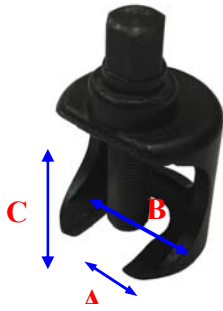
F58181



Ball Joint Extractors

For forcing out ball journals when removing ball-and-socket joint. Quick & simple action.

Item No.	Opening A mm	Width B mm	Height C mm	max. torque Nm
F58181-1	18	40	40	50
F58181-2	25	50	50	120
F58181-3	29	60	60	160
F58181-4	40	80	80	280
F58181-5	45	90	100	400
F58181-T4	58-80	80	80	280

F58182**Ball Joint Extractor**

For splitting track-rod ends, anti-roll bar mountings, ball joints, etc., especially in narrow space conditions like on BMW E46 or other vehicles.

\varnothing A mm opening	C mm	B mm	max. torque Nm	max. capacity t KN	spindles mm thread x -length	SW
24	45	43	80	4 40	M14 x 1,5 x 60	17

F58183**Hose Clips Pliers**

For releasing and re-fitting reusable hose clips, types CLIC and CLIC-R (Caillau/Serflex).

Application: Audi, Citroën, Fiat, Mercedes, Opel/Vauxhall, Peugeot, Renault, VW etc.

F58184**Hose Clip Pliers With Locking Ratchet**

For replacement of hose-clips on Fuel-lines, Oil-pipes and water-hoses, which are not retained by "Jubilee" type clips, but re-usable, self-tensioning spring-clips. Special design allows the spring hose clips to be securely gripped and safely expanded.

Suitable for Alfa Romeo, Audi, Citroën, Fiat, Ford, Hyundai, Lancia, MAN, Mercedes, Opel/Vauxhall, Peugeot, Porsche, Renault, Seat, Toyota, VW, Volvo, etc.

F59080**26PC. Universal Radio Removal Kit & Antenna Wrench Kit**

- * 4pc. Radio Removal Keys (New VW Beetle/Audi)
- * 2pc. Radio Removal Keys (Mercedes Benz)
- * 2pc. Radio Removal Keys (VW)
- * 2pc. Radio Removal Keys (New Skoda)
- * 2pc. Radio Removal Keys (New Becker)
- * 2pc. Din Radio Removal U-Hooks (New Blaupunkt)
- * 1pc. Allen Hex Wrench (BMW)
- * 2pc. Din Radio Removal U-Hooks (Ford/VW/Audi)
- * 1pc. Special Pentagon Wrench (BMW)
- * 7pc. Special Socket Set
- * 1pc. Chrysler Radio Removal Socket

F58185A, B**Collet Clamp And Cup**

- * To fit FT-466, the collet replacing the screw, with the cup inserted between the 2 jaws.
- * FT-186A for 16-valve engines.

F58185A Ø 30 mm

F58185B Ø 33 mm

F58186**Slide-Hammer Valve Lifter**

- * For removing valve springs.
 - * The slide hammer is used to free split collets.
- Ø 34 mm

F58187**Collet Clamp**

- * For 16-valve engines.
 - * Fits FT-196.
 - * Length 54 mm.
- Ø 29 mm

F58188**Cylinder- Head Rest**

- * Adjustable distance between feet.
- * Designed for easy use of valve lifters FT-466 and FT-196.

F59081A, B**Screw-Type Hose Clamps**

- * Cooling systems.
- * Fuel lines.
- * Vacuum hoses.

FT-246A Ø 27mm , Length: 65mm

FT-246B Ø 45mm , Length: 85mm

F59101**General Engineering Kit**

Comprising:

- * 2-tonne sliding-leg puller and set of long legs: reach P1: 85mm, P2: 185mm. (FT-846A)
- * 6-tonne sliding leg puller and set of long legs: reach P1: 140mm, P2: 280mm. (FT-846D)
- * Separator(FT-866B)
- * 30-tonne jack(FT-726A)

**F59100****Bearing Inside Puller**

- * Spread Ø 32 to Ø 70 mm.
- * Complete with 15 spreaders.

F58189A, B**Track-Rod End Release Tools**

- * 3/8" square drive.

F58189A Inside Ø 38 mm, Ø 70 x 130 x 25

F58189B Inside Ø 42 mm, Ø 75 x 135 x 25

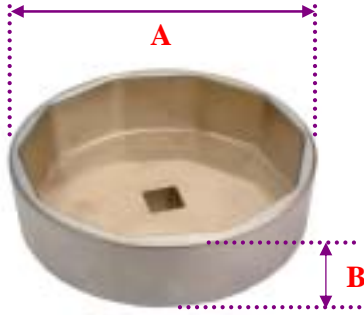
F58190**Differential Filter Spanner Wrench**

Size: 46 mm x 12 PT

Hex Key: 5 mm

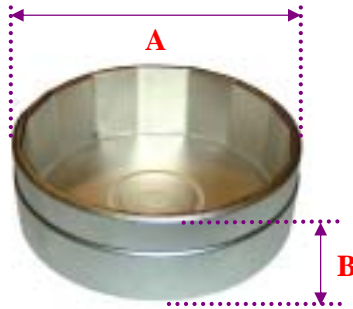
Applicable: VW5+6-Gang Schaltgetriebe Allrad(Bora, Golf IV, Sharan, Skoda-Octavia)

F58191



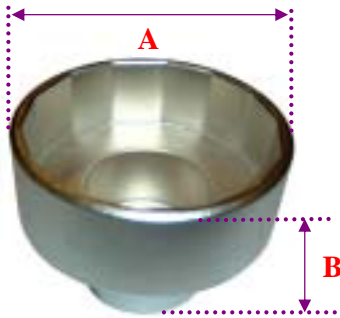
Oil-Filter Wrench
10 sides
A: 92mm, B: 43mm

F58192



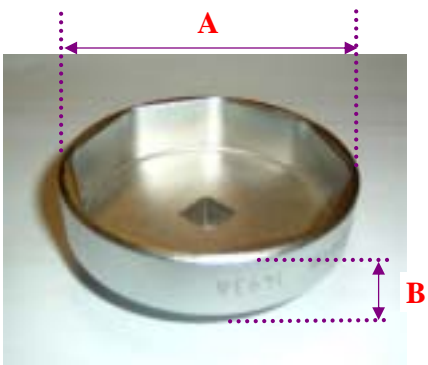
Oil-Filter Wrench
15 sides
A: 105mm, B: 67mm

F58193



Oil and Diesel Oil Filter Wrench
14 sides
A: 74mm, B: 68mm

F58194



Oil-Filter Wrench
8 sides
A: 74mm, B: 35mm

F58195A



Puller with 2 Wide Legs

- * For removing bearings, sprockets and flywheels.
 - * "Cross-legged" configuration recommended.
 - * Optional "uncrossed-legged" configuration doubles capacity.
- C min-max: 10-55 mm, P: 75 mm, Force: 40 kN.



F58195B



Puller with 2 Wide Legs

- * For removing bearings, sprockets and flywheels.
 - * "Cross-legged" configuration recommended.
 - * Optional "uncrossed-legged" configuration doubles capacity.
- C min-max: 15-75 mm, P: 90 mm, Force: 40 kN.



F58195C



Puller with 2 Wide Legs

- * For removing bearings, sprockets and flywheels.
 - * "Cross-legged" configuration recommended.
 - * Optional "uncrossed-legged" configuration doubles capacity.
- C min-max: 15-75 mm, P: 130 mm, Force: 30 kN.



F58196



Hose Clamp Pliers

F58197



Valve Disc Removing Tool
Length: 275 mm

F58198-180,230,245



Valve Depressors For Disc Removal

- * For shiming overhead-camshaft engines.
- F58198-180 180mm** FIAT Tipo 1.4 DGT.
F58198-230 230mm AUDI 80/100, Volkswagen Golf/Jetta/Sirocco/Passat, VOLVO 740 D.
F58198-245 245mm FORD Escort 1.8 D - TD/Sierra Tbo D - Dx.

F58199**"MacPherson" Separator****F59102****Light-Engineering Set**

- * 1 outside puller
- * 4 expansion pullers 6 to 18 mm.
- * 1 beam puller

F59112**Inside/Outside Puller Kit**

- * Comprising:
 - 1 puller
 - 3 inside legs
 - 2 puller accessories
- * Spread:
 - outside $\text{\O} 7$ to $\text{\O} 140$ mm
 - inside $\text{\O} 23$ to $\text{\O} 130$ mm
- * Reach 140 mm

F59112A**Slide Hammer**

- * Thread M16 x 200.
- * For use with pullers.
- * Length 660 mm.

F59113**General Engineering Kit**

A complete set offering normal pulling power for all general engineering applications.

Comprising:

- * wide-leg outside pullers.
- * bearing inside puller.
- * beam.
- * 30-tonne jack.

F58200A, B



3-Leg Pullers

F58200A Short-reach Puller

* Spread Ø 25 mm to Ø 170 mm.

* Effective length 160 mm.

* Shear pin prevents torque exceeding allowable limit.

F58200B Long-reach Puller

* Spread Ø 25 mm to Ø 260 mm.

* Effective length 280 mm.

* Shear pin prevents torque exceeding allowable limit.

F58201A, B



Pullers With 2 Slim Legs

* Puller with 2 slim legs and self-gripping spring mechanism.

* Designed for battery terminals.

F58201A C: 0-35 mm P: 40 mm

F58201B C: 0-45 mm P: 60 mm

F58202



Clip Removal Pliers

Tapered forks slide under most types of auto body clips, then a squeeze of the handles pops the clips out. Has red, vinyl-covered handles.

F58203A-80,150,200



Self-Gripping Pullers

* Spread 80, 150, 200 mm.

* Chrome finish.

* Can be used with slide hammer.

F58203A-80 80mm

F58203A-150 150mm

F58203A-200 200mm

F58204A-80,150,200



Self-Gripping 3-Leg Pullers

* Range of pullers spreads of 80, 150, 200 mm.

* Chrome finish.

* Spare legs and accessories.

* Can be used with slide hammer.

F58204A-80 80mm

F58204A-150 150mm

F58204A-200 200mm

F58205**Valve Lifter**

- * For removing valve springs.
- * Complete with jaws.

F58206**Driveshaft Tie Pliers**

- Applicable on Audi, BMW, Chrysler, Ford, GM, Honda, Mazda, Mercedes, Nissan, Opel/Vauxhall, VW, etc.
- * For crimping driveshaft bellows ties.
 - * Suitable for Oetiker fittings.

F59115**Wrenches For Nuts With Top Holes**

- * Interchangeable pins.
- * Forged in chrome vanadium steel, with divider-type adjustment controlled from central knurl. Each wrench supplied with a set of 8 pins.
- * Set of 2 spare pins.
- * Double-ended round pins for nuts with top holes.
- * Chrome finish.

F58207**Wrenches For Nuts With Top Holes**

- * Interchangeable pins.
- * Forged in chrome vanadium steel, with divider-type adjustment controlled from central knurl. Each wrench supplied with a set of 8 pins.
- * Set of 2 spare pins.
- * Double-ended round pins for nuts with top holes.
- * Chrome finish.

F59208A, B, C**Spring-Clip Pliers**

- For hose clips on cooling, heating, fuel or screen-washer systems.
- * F59208A Standard-reach model with lock and pivoting jaws.
 - * F59208B Long-reach model with lock and pivoting jaws.
 - * F59208C Slip-joint model.

F58209**Valve Stem Seal Pliers**

PEUGEOT, CITROEN and other engines.

F59210**Valve Stem Seal Remover**

* Application: PSA HDI engine.

* Slide-hammer puller.

* Removes seals without scoring or damaging bore in cylinder-head.

* Min. hole 21 mm. Height 70 mm.

* Length 310 mm.

Ø 60 mm.

F59210A**Valve Stem Seal Remover**

* Application: PSA HDI engine.

* Slide-hammer puller.

* Removes seals without scoring or damaging bore in cylinder-head.

* Min. hole 21 mm. Height 70 mm.

* Length 310 mm.

Ø 60 mm.

F59211A,B,C,D,E**F59211A 3/8" Dr. Square Combination Driver**

- size: 4 Lugs-24mm

F59211B 3/8" Dr. Square Bearing

- With 6 Lugs - 44mm

F59211C 3/8" Dr. Square Bearing

- With 6 Lugs - 47mm

F59211D 3/8" Dr. Square Bearing

- With 4 Pcs Pins

F59211E 3/8" Square Bearing and Seal

- With 4Pcs Pins and One Notch

F59116**Puller Set**

Puller Set for Steering Wheels, Sprockets, Pulleys and Shafts, etc.

Range: Ø 32 ~ Ø 90 mm

Consists of:

Puller Disc: Ø-110mm (2+3 Hole mounting) with Spindle.

Allen[®]- bolt: M8 x 1,25 x 100 3Pcs.

Allen[®]- bolt: M10 x 1,25 x 100 3Pcs.

Hex bolt: M8 x 1,25 x 80 3Pcs.

Hex bolt: M10 x 1,5 x 50 3Pcs.

Hex bolt: 1/4"UNF x 75 2Pcs.

Hex bolt: 5/16"UNF x 90 2Pcs.

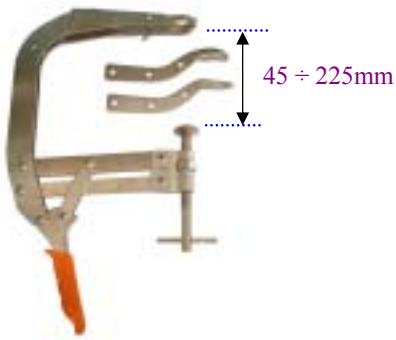
Hex bolt: 5/16"UNC x 50 3Pcs.

Hex bolt: 5/16"UNC x 110 3Pcs.

Hex bolt: 3/8"UNF x 50 3Pcs.

Hex bolt: 3/8"UNC x 100 3Pcs.

Washers: 1/4" x 19 2Pcs.; 5/16" x 18 3Pcs.; 3/8" x 20 3Pcs.

F58212**Valve Spring Compressor with Straight and Offset Jaws****F58213A, B****Door Hinge Bolt Ratchet Wrench****F58213A 14mm x 14mm x 6PT****F58213B 12mm x 12mm x 6PT****F58214A, B****Door Hinge Bolt Wrench****F58214A 12 x 12 x 12PT****F58214B 14 x 14 x 12PT****F58215****3 mm x 300 mm Adjust Screwdriver****3mm x 6PT****F58216-810,812****Double Offset Ratchet Wrench**

* For installing and removing glow plugs e.g. on diesel engines VW, BMW, AUDI, RENAULT.

* For glow plugs between the motor unit and the diesel injection pump.

* Heads with hexagon profile.

FT-606-810 8mm x 12PT x 10mm x 12PT x 300 mm Long.

* s 8 mm for operation of conductor rail screws with limit stop to guide the 8 mm nut.

* s 10 mm for the operation of glow plugs.

FT-606-812 8mm x 12PT x 12mm x 12PT x 300 mm Long.

* s 8 mm for operation of conductor rail screws with limit stop to guide the 8 mm nut.

* s 12 mm for the operation of glow plugs.

F58217**Ball Joint Spanner Wrench**

Designed for removal and installation of ball joint adjusting sleeves on 1/2-, 3/4-, and 1-ton Dana 44 open yoke front axles found on Chrysler, Ford, GM, International, and Jeep 4WD vehicles.

* Permits easy torquing with 1" socket for correct upper ball-joint preload.

F58218**Oil Service Wrench**

* For the oil filler and oil drain plug gearbox, differential, oil pan e.g. on ALFA ROMEO, FLAT, LANCIA.

* For 12 mm inside hexagon screws.

F58219**Diesel Injection Pump Wrench**

13mm - 12PT 90 degree crank.

* For the fastening screws at the injection pump, when replacing the toothed belt or adjusting the injection start.

* Application on 1.6 4-cyl. Diesel engine AUDI 80, VW Golf, Jetta, Caddy, Passat, Santana.

F58220A,B

F58220A - 12 mm Internal Spark Plug Rethread Tool

F58220B - 14 mm Internal Spark Plug Rethread Tool

F58221**Floppy Universal Joints**

* Special two ball design, increased the revolve angles.

* Spring is to prevent the joint stuck when the angle is too big.

* Made of chrome-moly.

* 1/2" DR

F58222A, B



Hydraulic Press

F58222A H: 52~58 mm, D: 24 mm

F58222B H: 75~87 mm, D: 32 mm

F58223



Powerbar Hand Impact Wrench

Remove and replace Harmonic Balancer Pulleys. Up to 600 ft/lb of torque. Applications include pulleys, flywheels, couplings, flanges, lawn mower base plate, etc.

F58224



120-Tonne Jack With Mechanical Screw

* Travel 15 mm.

* Shear-pin rating 550 Nm.

* Plunger Ø 80 mm. Bore Ø 47 mm.

* Head height 105 mm. Length 500 mm.

F58224A



30-Tonne Jack With Mechanical Screw

* Travel 5 mm.

* Shear-pin rating 110 Nm.

* Supplied with 2 shims 25 and 50 mm.

* Plunger Ø 33 mm.

* Length 260 mm, head height 35 mm.

Force 30 tonnes.

19 mm hexagonal screw.

F58225

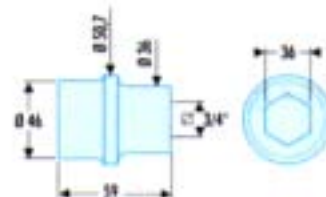


Hub-Nut Protractor Socket

FIAT Cromia/Tempra, LANCIA Thema

* 3/4" square drive.

* 36 mm 6-point.



F58226**Windshield Wiper Puller**

The Wiper Puller is specially designed for use to remove the rear wiper arms with water jets included in the spindle of motorcars.

For use with Skoda, Audi, Seat, VW(Volkswagen) and other.

- * Always loosen the nut from the wiper arm BUT never totally remove the nut.
- * Removal of the nut may cause damage to the plastic arm of metal ferrule (where fitted).
- * Locate the hole of the bolt over the spindle.
- * Place the jaws of the tool under the wiper arm at the base of the spindle.
- * Tighten with fingers first.
- * Use 3/8" drive ratchet to 'dis-engage' arm from spindle.
- * Lubrication maybe required.

F58227**Mini Puller**

* Compact and lightweight tool for pulling small dents such as dings, hail dents, light damage.

* Allows technician to "feel the pull" reducing overpull on light damage.

* Use with any welding stud 1.9 - 2.8 mm

F58228**Electric Fuel Pump Gas Tank Retaining Ring Removal Tool**

To remove or replace fuel pump retaining rings:

* Loosen lock nut on tool and adjust length of tool so slot in ears fits over teeth in plastic ring.

* Tighten lock nut and loosen or tighten plastic ring using 1/2" extension and ratchet wrench.

F58229**1/2" & 3/8" Square, High Torque Drain Plug Wrench**

1/2" & 3/8" male square for removing drain plugs on oil, transmissions, and differentials. Heavy-duty construction, tempered to withstand the rigors of constant use.

F58230**Bench Brake Bleeder**

* Securely mount master cylinder in bench vise by one of the two mounting ears.

* Attach bench bleeder mounting arm to remaining mounting ear of master cylinder.

* Assemble lever and plunger assembly of bench bleeder to mounting arm.

* Install reservoir from old master cylinder or replacement reservoir onto replacement master cylinder.

* Attach fittings in "Brake Line Out" ports and run a suitable hose back into master cylinder reservoir.

* Fill master cylinder reservoir to the appropriate level with new dot approved brake fluid as per the vehicle manufacturers specifications.

* Slowly operate the lever arm to completely depress the master cylinder piston/plunger assembly, then slowly release.

* Repeat step 7 until there are no more air bubbles entering the master cylinder reservoir from the "Brake Line Out" hose assembly.

* When you are sure you have removed all entrapped air in the master cylinder bore, remove bench bleeder tool assembly from the master cylinder.

F58231



Hydraulic Outside Puller

- * Force 20 tonnes.
- * Includes 3 outside-gripping legs and hollow jack with screw.
- * C min-max: 100-360 mm, P: 265 mm, T: 200 kN



F58232



Hydraulic Outside Puller

- * Force 30 tonnes.
- * Includes 3 outside-gripping legs and hollow jack with screw.
- * C min-max: 100-530 mm, P: 395 mm, T: 300 kN



F58233



Outside Puller

- * Force 20 tonnes.
- * 3 outside-gripping legs.
- * Complete with screw extension.
- * C min-max: 100-360 mm, P: 400 mm, T: 200 kN



F58234



Outside Puller

- * Force 30 tonnes.
- * 3 outside-gripping legs.
- * Complete with screw extension.
- * C min-max: 100-530 mm, P: 550 mm, T: 300 kN

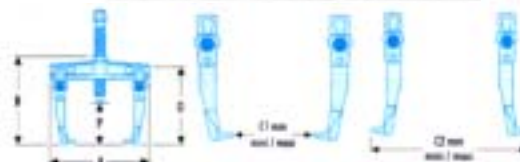


F58235



Pullers

	Force kN	C1 mm min-max	C2 mm min-max	A x B mm	P mm
F58235A	20	20-80	90-140	142 x 150	85
F58235B	20	20-120	90-180	182 x 150	85
F58235C	60	20-160	130-250	237 x 215	140
F58235D	60	20-200	130-290	277 x 215	140
F58235E	150	25-250	180-380	364 x 305	170
F58235F	150	25-350	180-480	464 x 405	270
F58235G	150	25-500	180-530	614 x 405	270



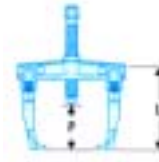
F58236



Spare Legs

Supplied individually without mounting pins.

	Series T2	Series T6	Series T15	P mm	L mm
F58236-1	*			85	125
F58236-2	*			185	225
F58236-3	*			235	275
F58236-4		*		140	185
F58236-5		*		280	335
F58236-6			*	170	250
F58236-7			*	270	315
F58236-8			*	370	445
F58236-9			*	470	545

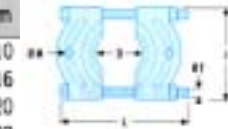


F58237



Separators

	D min - max mm	L mm	I mm	Ø T mm	Ø M mm
F58237A	5-60	140	91	M12	M10
F58237B	15-110	215	153	M16	M16
F58237C	15-150	290	204	M20	M20
F58237D	20-180	360	289	M22	M22
F58237E	25-250	430	316	M22	M22



F58238



Plate And Set Of 4 legs

Ø 230.

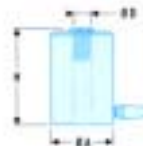
F59239A, B



UWG Hollow jacks

- * For use with pullers.
- * Plunger with tapped through-hole to take a centre screw for pressure or pulling applications.
- * Actuated by 700 bar pump.
- * Caps clip into plunger, allowing use as lifting jack.

	Force KN	Travel mm	H mm	Ø A mm	Ø D mm	Oil capacity cm³
F59239A	200	50	160	100	23,8	141,5
F59239B	300	60	177	115	29,0	257,4



F59240A,B







Centre Screw For UWG Jacks

	Length mm	Hexagonal drive	Ø mm
F59240A	590	21	27 x 300
F59240B	780	25	33 x 350

F58241**Universal Pullers**

2-arm

ITEM NO.	 mm	 mm	 mm	 kg
F58241A	25 - 70	45	* - *	0,6
F58241B	25 - 80	100	70 - 130	1,0
F58241C	25 - 130	100	80 - 180	1,1
F58241D	50 - 160	150	105 - 220	2,8
F58241E	60 - 200	150	120 - 270	3,2
F58241F	80 - 250	200	160 - 350	6,7
F58241G	80 - 350	200	180 - 420	8,0
F58241H	110 - 520	200	195 - 600	12
F58241I	170 - 640	225	260 - 715	23

F58242**Valve Retainer Ring Pliers**

- * For removing valve stem seals on multi-valve-engines.
- * Jaws hardened, longitudinally toothed.
- * Working area dip-insulated avoiding damages of the timing gear.
- * Straight design.
- * Length: 250 mm

F58243**Valve Retainer Ring Pliers**

- * For removing valve stem seals on multi-valve-engines.
- * Jaws hardened, longitudinally toothed.
- * Working area dip-insulated avoiding damages of the timing gear.
- * Bent 25°.
- * Length: 241 mm

F58244**Valve Seal Removal Pliers**

For Valve Stem Sealing Rings

The special long, slim form allows quick, easy and safe removal of valve-stem oil-seals, even on 4-valve cylinder heads.

F58245**CV Boot Clamp Pliers**

- * For axle collar clamps on passenger cars, e.g. on VW-AUDI, OPEL, BMW, MERCEDES-BENZ, HONDA, NISSAN, MAZDA
- * With lug holding-down device.
- * Special Steel.
- * Surface nickel-plated.

F58246



Tube Blocking Pliers

For releasing and re-fitting the re-usable hose clips types CLIC and CLIC-R.

Suitable for VW-Audi, Citroën, Mercedes, Opel/Vauxhall, Peugeot, etc.

F59118



Guide Sleeve Puller

Guide sleeves can be pulled out and knocked in without incurring any damage. The puller works on the principle of an internal collet chuck. In engine and gearbox engineering, so-called guide sleeves are used for accurate fixing of the housing halves. These guide sleeves should therefore not be installed or removed with tongs or a hammer.

- * Slide hammer
- * Internal collet chuck Ø 5 mm
- * Internal collet chuck Ø 6 mm
- * Internal collet chuck Ø 7 mm
- * Internal collet chuck Ø 8 mm
- * Internal collet chuck Ø 9 mm
- * Internal collet chuck Ø 10 mm

F59122



Bearing Extractor Set (Universal)

For pilot bearings, generator bearings, etc. With range from 10 - 30 mm diameter.

Application: For passenger cars and trucks (lorries)

The collets are manufactured from a special high grade steel to ensure proper functioning of the tool.

Consists of:

- * Spreader 5 mm
- * Spreader 6 mm
- * Slide Weight
- * Jaws 10 mm
- * Jaws 12 mm
- * Jaws 15 mm
- * Jaws 17 mm
- * Jaws 20 mm
- * Jaws 25 mm
- * Jaws 27 mm
- * Jaws 30 mm

F58247



Mechanical Easy Pullers

TECHNICAL DATA

Item No.	CAPACITY	Reach (mm)	Spread (mm)		Jaw Tip (mm)			Weight (kg)
			E	D	A	B	C	
F58247-3-2T	2 Ton	77	17	120	8	6	15	1.3
F58247-2-2T		77	17	110	6	6	15	0.9
F58247-3-5T	5 Ton	165	28	250	11	10	25	3.7
F58247-2-5T		165	26	240	11	10	25	3.1
F58247-3-10T	10 Ton	290	30	360	14	10	29	6.8
F58247-2-10T		290	30	370	14	10	29	6.7

F59273**Rotating Camshaft Pulleys****F59127-6****Deluxe Noid Set**

1. The most economic way to check electronic fuel injection (EFI) signals
2. Fast and easily checks for systems of GM TBI, Bosch PFI Ford TBI, GM PFI, Geo TBI and GM SCPI just disconnect the fuel injector, plug the Noid Lite into injector, Plug the Noid Lite into injector wiring harness then crank the engine.

F59127-8**Deluxe Noid Lights & GM IAC Signal Lights**

1. The most economic way to check electronic fuel injection (EFI) signals
2. Fast and easily checks for systems of GM TBI, Bosch PFI Ford TBI, GM PFI, Geo TBI and GM SCPI just disconnect the fuel injector, plug the Noid Lite into injector, Plug the Noid Lite into injector wiring harness then crank the engine.

IAC Signal Test Lights

Use testers for checking the electronic control module signal that provides direction to the idle air-control motor on GM vehicles with throttle body or port fuel injection systems.

F59127-10**Noid Lights/ IAC Test Lights & Ignition**

Set includes:

- * GM TBI Noid Lite
- * Bosch PFI Noid Lite
- * Ford Noid TBI Lite
- * GM Multec 2 Noid Lite
- * GM PFI Noid Lite
- * Geo TBI Noid Lite
- * GM SCPI Noid Lite
- * Bosch 2 Noid Lite
- * '82 and newer GM TBI/PFI with square 4 pin connector
- * '87 and newer Model 700 TBNI/PFI with flat 4 pin connector

F59274A, B**Exhaust And Tailpipe Cutter****F59274A Length 270mm**

Use tool to cut pipes 3/4" to 3" (19 to 76mm) in diameter. Fifteen blades effectively cut pipe so only 1/4 turn is needed for a complete cut. Patented, serviceable tool works in hard-to-reach areas. It will not cut double-wall pipes. Keep well oiled. Not for use on stainless steel.

F59274B Length 340mm

Use tool to cut pipes 3/4" to 6" (19 to 152mm) in diameter.

F59275



Universal Joint Service Tool Set

For Spicer' and Rockwell Universal Joints.

This service tool removes even the most rusted and corroded bearings easily and mechanically, without damage to the U-joint components, even in limited space. The tool applies up to 7 tons of force to separate yoke assemblies and remove bearings. U-joint service tool is for superior to sledgehammer methods.

F59276



Universal Wheel-Bearing Tool Set

F59277S, M



F59277S 1/2"DR.14PC-S.A.E. Crowfoot Wrenches Set

14PC- SAE SIZE:

1-1/16",1-1/8",1-3/16",1-1/4",1-5/16",1-3/8",
1-7/16",1-1/2",1-5/8",1-11/16",1-3/4",1-13/16",
1-7/8",2"

F59277M 1/2"DR.14PC- MM Crowfoot Wrenches Set

14PC - MM SIZE:

27, 29, 30, 32, 33, 34, 35, 36, 38, 41, 43, 46, 48, 50 mm

F59130



Universal Camshaft Bearing Tool

Drives camshaft bearing smoothly , now ,one complete low cost set that will remove or insert camshaft bearings in nearly all engines from compact cars to heavy trucks. Range of 1.125" to 2.69" (28.58~68.3mm). Easy on bearings, the expander has a neoprene sleeve over which the split driving plugs are mounted and expanded to size This tool has two sets of rubber sleeves supplied with it fir each expanding drive. The brown sleeve are used when driving thin wall bearing (.065) the black sleeves should be used when driving thick wall bearing(.090). instruction sheet F59130 provides complete, illustrated operating instructions and parts list Rang 1.125" to 2.690". Includes: Driving shaft, driving shaft extension, expander unit, five split driving plugs, two driving collars, centering cone and blow melded case.

F59131



Upper Control Arm Bushing Service Set

Includes all adapters needed for quick bushing removal/installation without removing control arm form vehicles. Now you can easily replace pressing type upper control arm bushing on most late model Ford GM and Chrysler vehicles without removing the control arm . Mechanical screw power quickly removes the worn bushing and install the new one without damaging the control arm. Includes C frame, screw assembly and all adapters and inserts necessary to do the job properly.

F59132**Ball Joint Service Tool Set**

The tools in this set will press in, or out, most sizes of press-fit ball joints. Plus, the C-frame press can be used alone to remove and replace universal joints.

Set Includes:

- * C-frame press.
- * Receiver tube (3" O.D. x 2-3/4" I.D.).
- * Receiver tube (2-1/2" O.D. x 2-1/4" I.D.).
- * Receiver tube (2" O.D. x 1-3/4" I.D.).
- * Installing adapter.
- * Removing adapter.

F59132A**Master Ball Joint Service Tools Set**

This kit has the same features as F59132A plus addition of the F59141 four wheel drive adaptors.

F59132B**Brake Anchor Pin And Bushing Service Set**

This rugged forged "C" frame press easily removes the often rusted truck brake anchor pins and bushings. Mechanical screw power does the job quickly with little effort. With this press you can handle truck brake pins up to 1-1/4" (32mm) diameter.

F59132C**Mercedes Benz Ball Joint Remover/Installer**

- * For removing and installing the ball joint into the steering knuckle.
- * Applicable: W220

F59132D**Benz Ball Joint Remover/Installer**

F59132E**Master Ball Joint Service Tools Set****F59132-1****Live Center Forcing Screw Plug**

This plug replaces the existing forcing screw on the F59132-2 C-frame to allow its use on heavy-duty ball joints. The shorter length gives the C-frame a wider opening to accommodate the larger ball joints on 3/4- and 1-ton trucks.

F59132-2**U-Joint Removing/Installing Tool**

Forcing screw-powered press is used to remove and replace automotive universal joints with needle-type bearings (including GM plastic pin C.V. Type U-joint). Won't damage costly components.

F58104**Power Steering Pump Pulley Replacer**

An ideal companion to the F58105 the F58104 is a time-tested, time-saver when it comes to installing power steering pump pulleys, it will not damage internal components by exerting force through the pump shaft. A roller bearing in the tool allows for easy turning and the tool shape prevents damage to the pump.

F58105**Power Steering Pump/Alternator Pulley Remover**

The 2050 tool removes pulleys on all Chrysler, Ford GM, and VW vehicles; including Saginaw, Thompson and the Ford C2 power steering pumps. GM belt driven vacuum pumps on boot gas and diesel cars and press-on water pump pulley on GM V6 engines. The 2050 works on pulleys with hub diameters of 1-1/8", 1-1/4", 1-5/16" and 1-3/8" with split collet design, the jaws grip the pulley flange for damage-free removal. Mechanical screw power does the actual pulling.

F59128**Honda/Acura Fuel Filter Banjo Bolt Socket**

It's not easy removing the hard-to-access, specially shaped banjo bolts attaching the fuel line to the fuel filter on 1992 and earlier Hondas and Acuras. Not only are they hard to get at, but using an open end wrench to remove them can strip the head. Now there's an easy, damage-free way to remove them: our F59128 socket, specially designed to work on just this bolt style.

F58106**Ford Lock Pin Remover**

Removes tie rod inner socket retaining pin on Ford vehicles with rack and pinion power steering. Replacement tips available separately.

F59134**Injector Harness Terminal Connector Release Tools**

This pair of tools are designed to provide access to electrical connectors for easy disconnecting. Push and pull tools provide easy connection and removal regardless of component location. Length: 6.1/4" (160mm)

F59135**Ford Fan Clutch Tool Set**

When it comes to removing the fan clutch assembly on Ford engines, conventional wrenches are just too wide to do the job. With the F59135, that is no longer a problem. While you hold the fan clutch pulley stationary with the clutch holder tool turn the fan clutch nut with the included wrench. It is that simple! Available in two popular sizes, each wrench features a special hole for use of breaker bar to provide higher torque. These tool sets are ideal for replacing water pumps or for any front engine service in body or repair shops that deal.

F59135A**Ford Fan Clutch Tool Set**

When it comes to removing the fan clutch assembly on Ford engines, conventional wrenches are just too wide to do the job. With the F59135, that is no longer a problem. While you hold the fan clutch pulley stationary with the clutch holder tool turn the fan clutch nut with the included wrench. It is that simple! Available in two popular sizes, each wrench features a special hole for use of breaker bar to provide higher torque. These tool sets are ideal for replacing water pumps or for any front engine service in body or repair shops that deal.

F59135B**GM Fan Clutch Wrench**

This specially designed tool is used to loosen and tighten the fan clutch on 1996 and later GM trucks and vans.

The unique design works with both 10mm & 13mm pulley bolts. The tool enables the mechanic excellent control to hold the water pump pulley stationary while using an open end wrench to loosen the fan clutch.

B59135C**Ford Fan Clutch Wrench Set**

When it comes to removing the fan clutch assembly on Ford engines, conventional wrenches are just too wide for the job of removing the fan clutch assembly on some engines. Here's the solution: You hold the fan clutch pulley stationary with the clutch holder tool, and turn the fan clutch nut with the included wrench. Most wrenches feature a square drive for attaching a breaker bar for extra torque. Time savers when replacing water pumps, or for any other front engine service in body or repair shops.

* 2-1/8" (54mm) Fan clutch pulley holding tool

* 1-7/8" (47mm) Left hand clutch nut wrench

F58107**Brake Adjustment Tool**

Speeds starwheel adjusting. Insert tool through slot in backing plate. Different angle at each end adapts makes and models.

F58107A**Drum Brake Adjusting Tool**

* Blade width 17/32" x 3/8"

* 7" (177.8mm) long

F58107AA**Drum Brake Adjusting Tool**

Tool adjusts clearance between drum brake and brake shoe. It fits through a slot in the backing plate and turns the star wheel in many drum brakes.

F58107B**Brake Adjusting Tool**

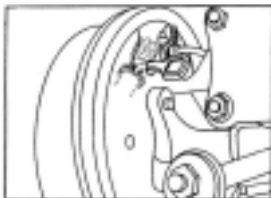
Star-nut turning tool for Chevrolet trucks with overload springs. Different angles at each end of tool clearance. Blades are $17/32$ " wide. Tool is $5-1/4$ " long.

F58107C**Brake Adjusting Tool**

One end has a wind tang set at a 29° angle for rear brakes; the other end is set at a 45° angle for front brakes. $8-1/4$ " long.

F58107D**Brake Adjusting Tool**

Fix Bendix brakes with star adjusting nut and other self-adjusting brakes (except Chevy). $7/32$ " wide blade, $1/32$ " tip thickness. $8-3/16$ " long.

F58107E**Brake Adjustment Tool Set**

Set contains 3 popular tools.

Allows the adjusting of brake easily and conveniently.

*** Brake adjustment tool**

$8-1/4$ " long, blade width $5/8$ ", $11/16$ "

*** Brake adjustment tool**

$8-3/16$ " long, blade width $1/2$ "

*** Clearance-adjusting tool**

To easily move the clearance-adjusting brake ratchet.

First, take off a dust-proof cover of the clearance-adjusting hole disposed in the back of the drum brake system.

Secondly, insert the clearance-adjusting tool into the clearance-adjusting hole and move the clearance-adjusting brake ratchet until a proper brake clearance is achieved.

F58107F**7" Brake Spoon****Features:**

- * Adjusts brakes easily.
- * Chrome plated finish resists corrosion.
- * Offset angle design to reach confined.

Instructions:

1. Jack-up wheel to adjust brakes.
2. Remove rubber cover from brake adjusting slot.
3. Insert tool through backing plate slot to turn adjusting star wheel.
4. Turn star wheel clockwise to tighten and counter-clockwise to loosen wheel and drum.
5. Replace rubber cover back to brake adjustment slot after adjustment.

F58107G**9" Brake Spoon****Features:**

- * Adjusts brakes easily.
- * Chrome plated finish resists corrosion.
- * Offset angle design to reach confined.

Instructions:

1. Jack-up wheel to adjust brakes.
2. Remove rubber cover from brake adjusting slot.
3. Insert tool through backing plate slot to turn adjusting star wheel.
4. Turn star wheel clockwise to tighten and counter-clockwise to loosen wheel and drum.
5. Replace rubber cover back to brake adjustment slot after adjustment.

F58107H**Brake Spoon-Toyota****F58107I****Brake Spoon-Chevy Truck****F58107J****Drum Brake Adjusting Tool**

Tool adjusts clearance between drum brake and brake shoe. It fits through a slot in the backing plate and turns the star wheel. Ends of tool are offset for hard-to-reach areas on small cars.

F58108**Injector Harness Tool**

The F58108 removes and installs injector wiring harness without damaging the connections. For use on all multipart fuel injection injectors. This tool saves time by not having to remove excess parts when the injector cannot be reached.

F59136**Clutch Alignment Tool**

Faster, easier replacement of clutches. Align clutch plates and pilot bearing accurately. Shaft and bushings provide an accurate fit for eight pilot bearing sizes. Two turned size (1" and 1-1/8") fit 90% of the clutch plates and cone handles the rest. Shaft and bushings to fit 8 pilot bearing sizes: 0.587", 0.650", 0.673", 0.748", 0.787", 0.807", 0.981".

F58109**Heavy-Duty Hydraulic Valve Lifter Remover**

Remove most stuck hydraulic valve tappets with this slide hammer-type tool. Spread jaws to clamp recessed area of tappet and use slide hammer to remove. Adapters convert tool to a puller for baked-in valve tappets. Turn adjusting nut with 5/8" wrench. This is a serviceable products.

F59137**Valve Lappers**

For hand lapping valves.

F59137A has 1-1/8" and 1-3/8" diameter cups for large valves.

F59137B has 5/8" and 13/16" diameter cups for small valves.

F59138**Rocker Stopper Oil Plugs**

Plug oil holes in ball-joint type rocker arms. Spring steel clips with gaskets stop splashing, squirting hot oil while you adjust clearance. Designed for cars with hollow, oil-fed push rods.

F59139**Spark Plug Wire Tester**

Quickly locate faulty plug wires. No shock hazard. Now you can check spark plug wires without piercing the wires. Light flashes indicating sound wire.

F59140**Carburetor Adjusting Tool**

For adjusting idle/Mixture screws on GM and Chrysler. Heavy-duty flexible shaft for easy access. Four adapters conveniently store in the comfortable handle.

F59140A 4.5mm hex for 78 and 79 GM

F59140B 1/4" hex for pre-78 GM

F59140C 3/32" hex for 78 thru present Chrysler, 1.7L-2.2L engines.

F59140D Double "D" for GM 79 thru present.

F59141**4WD Ball Joint Service Kit**

Use with F59132 to remove and install upper and lower ball joints on 1967 to current 1/2-ton and 3/4 ton pickups, Suburbans, and Yukons/Tahoes. Work on both original equipment and aftermarket ball joints.

F59141N**4WD Ball Joint Service Kit**

Use with F59132 to remove and install upper and lower ball joints on 1967 to 1992 1/2-ton and 3/4-ton 4WD vehicles fitted with Dana 44 front axles (found on Ford, Dodge, GM, International, and Jeep vehicles).

F59141A**4WD GM Ball Joint Adapter Set**

Use with F59132 ball joint service tool set to easily remove or install press-fit lower ball joints found on 1996 and newer GM 4WD 1/2-and 3/4-ton pickups, Suburbans, and Yukons/Tahoes. Works on both original equipment and Aftermarket ball joints.

F59141B**Dodge Ram/Jeep Ball Joint Service Adapter Set**

For 2WD and 4WD light truck and SUVs, includes F59141B-1 receiving tube, F59141B-3 installing tube, F59141B-4 receiving cup and F59141B-2 remove/installer.

F59141C**2WD Ford Van Ball Joint Adapter Set**

Use with the F59132 ball joint service tool set easily remove or install press-fit and lower ball joint found on 1992-97 Ford 2WD 3/4- and 1-ton vans. Works on both original equipment and aftermarket ball joints.

F59141C-1**2WD Ford Van Ball Joint Adapter Set**

This set is designed to remove and install press-fit upper and lower ball joints. Fits most Ford 1992 to '97 2WD 3/4-and 1-ton vans.

F59141D**Master Ball Joint Adapter Set**

Expands the service capability of your No. F59132 joint service tool set Includes all the receiver tubes and removing /installing adapters needed to work on most GM, Ford and Dodge two-and for -wheel-drive pickups, vans, and sport utility vehicles through 1997, application chart included. Works on press-fit upper and lower ball joints. Set also includes the F59132-1 live center forcing screw plug, and a plastic storage/carrying case.

F59141E**Ford Ball Joint Remover**

This tool enables you to quickly remove the lower ball joint on 1992 to current 3/4-and 1-ton vans (E-250 and E-350) when used with ball joint service set F59132.

F59141F**Honda Lower Ball Joint Tool Set**

Use with F59132 ball joint service set to remove and install both sizes of ball joints on 1983-1997 Honda Accord, Civic, del Sol, and Prelude.

F59141G**GM Truck Bushing Adapter Set**

- * Works on 2000–2003 Chevy and GMC 1/2-ton and 3/4-ton trucks, 2- and 4-wheel drive.
- * Adapter set is designed for quick and easy removal of the OE control arm bushing and installation of the offset camber bushing.
- * Saves shop time by being able to install the offset camber bushing while aligning the front end.
- * Saves replacement cost of the control arm assembly.
- * Use with U-joint removing/installing tool C-Frame.

F59141H**Ford Ball Joint Adapter Set**

- * Allows easy removal and installation of the lower ball joint on 1996–2004 Ford Taurus and Mercury Sable vehicles.
- * Lower ball joint can now be replaced without having to replace the entire spindle assembly.
- * Adapters are used with U-joint removing/installing tool C-Frame.

F59133A**Beryllium Hammers**

Size: 1 lb(450mg) x 12-1/2"

F59133B**Beryllium Hammers**

Size: 1/2 lb (225mg) x 10-3/4"

F59146**4 PC Mini Snap Ring Pliers Set**

Small-size pliers for work in tight areas. Service S-ring and R-ring lips. Internal or external, straight or angled. Ruggedly built of heat-treated chrome molybdenum steel. Set includes two internal snap ring pliers (one straight, one 45°) and two external snap ring pliers (one straight, one 45°).

F59145**Crankshaft Drive Belt Pulley Puller**

Special universal puller with 132mm spread for removing crankshaft drive belt pulleys with and without bolt holes on European vehicles.

F59147**Wheel Hub Resurfacing Kit**

Rust build-up on brake rotors can cause warping, and that causes pulsation and diminished braking. This kit attacks the rust on lug studs and rotors on the hub assembly faster and easier than anything you've used before. Usable on most domestic and import vehicles with either front or rear disc brakes. The tool fits you power drill.

F59144**9PC. Non-Sparking Punches & Hammers Set**

Contents:

Taper Drifts: 7/16"x14", 3/8"x8", 3/8"x10"

Pin Punches: 1/4"x4", 3/8"x6", 1/2"x8", 3/4"x10"

Beryllium Hammers: 1/2 lb (225gm), 1 lb (450gm)

F59144A**3pc. Solid Brass Drift Punch Set**

Heavy duty punches for rough jobs.

Non-sparking solid brass won't damage object being struck.

Contents: 2 drift punches 5/8" x 8" & 3/4" x 14, one starter punch 3/4" x 10

F59144B**3pc. Solid Brass Pin & Drift Punch Set**

Non-sparking solid brass punches designed to prevent damaged to the object being struck.

Contents: one each 1/4" x 4" & 3/8" x 6" pin punch. 1/2" x 8" drift punch.

F59144C**6pc. Brass Punch Set**

Contents: 3/32" x 4 1/4", 1/8" x 4 3/4", 5/32" x 5", 3/16" x 5 1/4", 1/4" x 5 3/4", 5/16" x 6" (center punch).

F59143A**Double End Dolly**

Tough material with one end having a 70mm diameter round convex head while the other has a 65mm wide curved wedge shaped head. Ideal for working on lighter sheet metal panels as the material provides a cushioning effect to match the weight of the hammer without stretching.

Round End: 2.3/4"(70mm)

Wedge End: 2.1/2"(65mm)

Length: 7"(180mm)

F59143B**Round Head Chisel Dolly**

Tough material with long handle and 95mm diameter half round head with chamfer on edge, can reach into narrow openings to reform damaged panels.

Head: 3.1/2"(95mm)

Length: 11"(280mm)

F59143C**Bolster Head Dolly**

Tough material with long handle and 95mm straight blade chisel head with chamfer on edge, can reach into narrow openings to reform damaged panels.

Head: 3.1/2"(95mm)

Length: 11"(280mm)

F59143D**Crease Alignment Tool**

By means of the groove crease and profiles can be laterally arranged.

Furthermore an import fitting in assistance for hood and truck flap.

F59143E**Profile Arranging Block I + II**

This solid tools carry excellent services out when strong working on of strongly distorted sections just like with fine work. (full impact force, for curved outlines, for pointedly approaching sheet metals, for large surfaces.)

F59143F**Hand Fist Flat + Curved**

To holding against and bumping out at roundnesses, large surfaces, edges.

F59143G**Large Rubber Dolly**

* Great for door skin work.

Particularly to treatment of bodies from steel, high and maximumfirm, specially-thin steel sheets as well as aluminum bodies. The sheet metal without it arranges to stretch or shrink. Optimal use e.g. at door sheet metals, trace widenings and for careful direct bumping out.

Solid steel core enclosed from a rubber cost. Thus the edition becomes more full surface as with conventional steel arranges blocks.

Ideally also in connection with bump out Pickeisen (colorless dent repair, Paintless Dent Repair.)

F59143H**Rubber Dolly**

* Weighted hard rubber to match body hammer weight.

* Works well on thinner sheet metal.

* Moves the metal rather than stretching it.

Particularly to treatment of bodies from steel, high and maximumfirm, specially-thin steel sheets as well as aluminum bodies. The sheet metal without it arranges to stretch or shrink.

Optimal use e.g. at door sheet metals, trace widenings and for careful direct bumping out.

Solid steel core enclosed from a rubber cost. Thus the edition becomes more full surface as with conventional steel arranges blocks.

Ideally also in connection with bump out Pickeisen (colorless dent repair, Paintless Dent Repair.)

F59143I**Lever System Things And Bumping Out Tool**

Ideally for work on with difficulty accessible places. E.G. doors, fender, truck lid.



F58143K



F58143L



F58143M



F58143N

**FENSTERLEISTEN HEBER**

Das **perfekte Werkzeug** für alle Arbeiten an Schachtabdeckungen und Zierleisten.

- Unzerbrechlicher, schlagfester Spezialkunststoff
- Hebelausnutzung über gesamte Breite - keine Beschädigung der zu bearbeitenden Leisten
- Problemloses Ansetzen durch angefasste Einführschlingen
- Besonders geeignet auch für gewölbte Flächen
- Rückseite mit halbrunden Profil zum Einrücken der Leisten
- Passend für alle PKW mit Schachtabdeckung wie z. B. Opel, Ford, DS oder die Jet-Reihe von BMW.

**General Purpose Dolly**

- * Comfortable hand hold during heaviest blows.
- * Weight, balance and different crowned working faces, plus two beading and flange lips give this dolly wide general use.

Wedge Dolly

- * Curved face.
- * Also available in a thinner version.

F59142**Fuller Transmission Yoke Puller**

Removes truck transmission output shaft end yokes. Supplies 10 tons of mechanical force.

Forcing screw: 3/4" UNF x 11-1/2"(290mm) long

F59129**Camshaft Drive Belt Pulley Puller**

Special puller designed for pulling camshaft pulley wheels on 4 & 6 cylinder, V6 & V8 engines on VW and Audi petrol engines.

F59278**6PCS Heavy Duty Pin Punch Set**

Size: 1.7, 2.7, 3.7, 4.7, 5.7, 7.7 mm

F58279**Front Wheel Drive Bearing Service Set**

The set includes all the special receiving cups, adaptors and pulling attachments for servicing front wheel bearings on later model Audi, Ford, GM, Opel, Volkswagen, etc.

F58280**Ford Radio Removal Tools**

Simply insert these tools into the holes on the radio face plate to release the retaining clips, then use them as handles to pull the radio from the instrument panel.

Two piece set supplied on blister card.

F59281**Inner Tie Rod Tool**

- * Works on inner tie rods with inaccessible wrench flats.
- * Utilizes seven crow's feet, sizes 1-3/16", 1-1/4", 1-5/16", 1-7/16", 14mm and 17mm, 33.6mm to engage wrench flats.

F59282**Radio Removal Tool Set**

Includes:

- * For Ford/VW Models with a DIN chassis.
- * For BMW models with anti-theft radio.
- * For Audi A4, A6, A8 and VW New Beetle.
- * For 1992 & newer Mercedes 129, 140, 163, 202, and 210 models.
- * For VW New Body Style Passat, Jetta and Golf.

F59282-10**10Pc. Radio Removal Tool Set**

Set includes the following tools needed to install and remove radios:

- * 2pc. Din Radio Removal U-Hooks (Ford/VW/Audi)
- * 1pc. Special Pentagon Wrench (BMW)
- * 2pc. Radio Removal Keys (New VW Beetle/Audi)
- * 2pc. Radio Removal Keys (Mercedes Benz)
- * 2pc. Radio Removal Keys (VW)
- * 1pc. Allen Hex Wrench (BMW)

F59282-18**18Pc. Radio Removal Tool Set**

Set includes the following tools needed to install and remove radios:

- * 4pc. Radio Removal Keys (New VW Beetle/Audi)
- * 2pc. Radio Removal Keys (Mercedes Benz)
- * 2pc. Radio Removal Keys (VW)
- * 2pc. Radio Removal Keys (New Skoda)
- * 2pc. Radio Removal Keys (New Becker)
- * 2pc. Din Radio Removal U-Hooks (New Blaupunkt)
- * 1pc. Allen Hex Wrench (BMW)
- * 2pc. Din Radio Removal U-Hooks (Ford/VW/Audi)
- * 1pc. Special Pentagon Wrench (BMW)

F59282-18A**18Pc. Radio Removal Tool Set**

Set includes the following tools needed to install and remove radios:

- * 4pc. Radio Removal Keys (New VW Beetle/Audi)
- * 2pc. Radio Removal Keys (Mercedes Benz)
- * 2pc. Radio Removal Keys (VW)
- * 2pc. Radio Removal Keys (New Skoda)
- * 2pc. Radio Removal Keys (New Becker)
- * 2pc. Din Radio Removal U-Hooks (New Blaupunkt)
- * 1pc. Allen Hex Wrench (BMW)
- * 2pc. Din Radio Removal U-Hooks (Ford/VW/Audi)
- * 1pc. Special Pentagon Wrench (BMW)

F59282-20**F59282-46****F59282-46A****F59148****F59283****20Pc. Radio Removal Tool Set**

Set includes the following tools needed to install and remove radios:

- * 4pc. Radio Removal Keys (New VW Beetle/Audi)
- * 2pc. Radio Removal Keys (Mercedes Benz)
- * 2pc. Radio Removal Keys (VW)
- * 2pc. Radio Removal Keys (New Skoda)
- * 2pc. Radio Removal Keys (New Becker)
- * 2pc. Radio Removal Keys (Pioneer)
- * 2pc. Din Radio Removal U-Hooks (New Blaupunkt)
- * 1pc. Allen Hex Wrench (BMW)
- * 2pc. Din Radio Removal U-Hooks (Ford/VW/Audi)
- * 1pc. Special Pentagon Wrench (BMW)

46Pc. Radio Removal Tool Set**46Pc. Radio Removal Tool Set****Brake Caliper Tool Kit**

This tool set is a "must" item when installing new brake pads on vehicles with 4-wheel disc brakes. Rotate the tool on the parking brake actuator to retract the piston. Works on most GM vehicles with 1-1/2" brake pistons, most Ford vehicles, Pontiac Fiero, and imported vehicles. Kit includes plate, 3/8" extension, forcing screw, and adapters.

Disc Brake Pad Spreader

- * For installing pads on most domestic and import cars and light trucks.
- * Makes changing pads an easy job.
- * Tool compresses disc brake piston for easy pad installation.

F59284**GM-Ford Disc Brake Piston Tool**

Tool rotates the piston back on GM and Ford vehicles equipped with rear wheel disc brakes. Fits GM vehicles with 2-1/8" and 1-7/8" pistons and Ford vehicles 1987 to current with rear disc brakes. Use in conjunction with 3/8" square drive tool.

F59285**Chrysler LH Toe Adjustment Set**

This three-piece set, consisting of a wrench, socket, and retainer, is the quickest way to get the front toe adjusted on the popular Chrysler LH series cars. The set works on 1993 and newer Chrysler Concorde and New Yorkers, Dodge Intrepid, and Eagle Visions.

F59149**Electric Marking Pencil**

This ETCHING PENCIL will operate from either 6 or 12 volts. The recommended hook-up is shown below using the leads supplied with the pencil.

F59150**GM Hydraulic Clutch Line Disconnect Tool**

Damage-free way to reach and disconnect the clutch line from the slave cylinder during clutch master cylinder, slave cylinder, or clutch assembly service.

Bentend works on NVG3500 manual transmissions on 1996 and newer full-size 2WD and 4WD trucks, S-10s, and S-15 Blazers/Jimmys. The quick connect fit-ting on the slave cylinder is recessed in the bell housing on these vehicles. The straight end is for 1993 and newer Pontiac Grand Prix, Olds Cutlass Supremes, Buick Regals; 1993-94 Chevy Lumias; and 1995 and newer Chevrolet Monte Carlos.

F58110**Grease Injector Needle**

The grease injector needle can be easily inserted under or through bearing seals, CV boots etc.

Made from 18 gauge stainless steel.

Use with hand grease gun.

Supplied with protection sleeve.

F59286**9PC Heavy-Duty Body Pry Bar**

#4700-880	880mm
#4700-740	740mm
#4700-600	600mm
#4700-490	490mm
#4700-470	470mm
#4700-320	320mm
#4700-290	290mm
#4700-140	140mm
#4700-130	130mm

F59287A**BPW Rear Hubcap Nut Socket**

Special heavy duty eight point socket to suit BPW rear axle hub retaining cap nuts found on later model Japanese commercial trucks, tractors and other automotive industrial equipment.

Male Hex Drive: 1-5/8" (41mm)

Size: 4-5/16" (109mm) 8 Point opening

F59287B**BPW Rear Hubcap Nut Socket**

Special heavy duty eight point socket to suit BPW rear axle hub retaining cap nuts found on later model Japanese commercial trucks, tractors and other automotive industrial equipment.

Male Hex Drive: 1-5/8" (41mm)

Size: 4-3/4" (120mm) 8 Point opening

F59287C**BPW Rear Hubcap Nut Socket**

Special heavy duty oval shape socket with two flats on the side to suit BPW rear axle hub retaining cap nuts found on later model Japanese commercial trucks, tractors and other automotive industrial equipment.

Male Hex Drive: 1-5/8" (41mm)

Size: 4-3/8" (111mm) Across the flats

F59287D**BPW Socket**

Special heavy duty eight point socket to suit BPW rear axle hub retaining cap nuts found on later model Japanese commercial trucks, tractors and other automotive industrial equipment.

* Size: 37mm.

* Applicable: Bpw-6T.

F59288**Hydraulic Tappet Remover**

Removes hydraulic valve lifters from the top side of engine. Hardened steel jaws grip lifter by expanding into inside groove to pull valve lifters out of bore.

Length: 11" (280mm)

Capacity: 1/2" to 3/4" (13 to 19mm)

F59157**Mighty Midget Panel Clamp**

Clamps panels in place for welding small profile allow door to be closed for alignment check before welding.

F59158**Forged Trim Clip Pliers**

This drop forged tapered "V" opening tool removes upholstery clips from car doors. Fits many different sizes of clips. Can also be used for a multitude of other jobs.

* To remove trim pads & insulation.

* To keep from breaking clips.

* To remove the "tough" clips.

F59158A**Trim Clip Pliers**

*To remove trim pads & insulation

*To keep from breaking clips

*To remove the "tough" clips

F59289**Oil Filter Wrench**

F59289A 15 points x 101mm for Mitsubishi Canter.

F59289B 15 points x 107mm for Volvo Truck.

F59289C 16 points x 108mm for Toyota.

F59289D 14 points x 66mm for Mitsubishi.

F59289E 15 points x 89mm for Suzuki.

F59290

Honda & Acura Harmonic Damper Pulley Puller Holder
Break loose the crank shaft pulley/harmonic balancer bolt. Designed to properly secure the pulley from rotating during R & R of crank bolt. The 50mm hex head armature slips past the lightest of spaces and slides right into the center slot on the pulley. Then slide the long bar onto the receiving end of the armature and lock it into position with the securing bolt.

F59291A**BMW Guide Rail Pin Puller**

- * Can remove even the most stubborn pins from the cylinder head, unlike the short slide hammer previously used to attempt this job.
- * This puller incorporates a thrust bearing to ease the pulling action.
- * This alloy steel, heat treated tool has already been tested in shops and has proven to be the best solution."

F59291B**Guide Rail Pin Puller**

- * Can remove even the most stubborn pins from the cylinder head, unlike the short slide hammer previously used to attempt this job.
- * Applicable: Model M 102, 110, 115, 116, 117, 130, OM 601, 602, 603, 615, 616 & 617.

F59159**Heavy Duty Pry Bar**

- F59159A (30°)
5/8" (15.8 mm) L : 36" (914.4 mm)
- F59159B
5/8" (15.8 mm) L : 36" (914.4 mm)
- F59159C (90°)
5/8" (15.8 mm) L : 24" (609.6 mm)
- F59159D (45°)
5/8" (15.8 mm) L : 24" (609.6 mm)

F59293**Brake Spring Pliers**

- * For removing shoe springs.
- * Suitable for use to the right and left.
- * Length: 230 mm

F59294**Special Allen Wrench**

For R & R of all BMW anti-theft radios.

F58111**Antenna Wrench**

This special pin wrench is used for removing and installing bezel nuts when servicing antennas and aerials on most vehicles. Designed to service Ford, GM, Chrysler, VW, Toyota and others.

F59160**10 Ton Push Puller Set**

The Push-Puller is designed to quickly remove or install gears, bearings, pulleys, couplings, sprockets, shafts, and other press-fitted parts without damage to the part. A variety of adapters, attachment, and legs may be used with the push-puller to apply either pushing or pulling force.

F59160A**Gear and Pulley Puller**

Ideal for pulling gears, bearing, etc. Having tapped holes.

F59160B**Large Gear and Pulley Puller**

Removes parts having tapped holes, such as gears, pulleys, etc. Cap screws are not included with this puller, but any cap screws up to 1/2" diameter may be used. Spread range when used with 1/2" dia.

Cap screws: 2" to 7- 3/4". Puller block is 8-1/4" wide, forcing screw is 3/4"- 16 x 11- 5/8" long.

F59160C**Push Puller**

17-1/2"-Ton Capacity

Can be used with bearing pulling attachment or pulley pulling attachment. May also be used with internal pulling attachments.

F59161**Ball Joint Service Tool & Master Adapter Set**

This set was created specifically to expand the capability of your No.#2030 ball joint service set. It includes all the receiver tubes and removing/installing adapters needed to work on press-fit upper and lower ball joints on most GM, Ford, and Dodge 2- and- 4 -wheel-drive pickups, vans, and sport utility vehicles, through 1997. Also includes the No. #2030-1 live center forcing screw plug. Packaged in convenient carrying/storage case.

F59295**Instructions For Pulley Puller****F59296****5PCS Heavy Duty Pin Punch Set**

Size: 3, 4, 5, 6, 8 mm

F59297**11PC Punch and Chisel Set**

Pin Punches 2, 3, 4, 5, 6 mm

Taper Punches 4, 5, 6 mm

Centre Punch 2.5mm

Cold Chisel 10, 16 mm

F59162A**Fan Clutch Removing/Installing Set**

Removing fan clutches to replace Water pumps or for other engine service doesn't have to be a headache.

* Five wrenches and five holding tools included give you broad coverage of GM, Ford and Chrysler vehicles that use a fan clutch.

* Fit into close quarters where conventional wrenches just won't get the job done. Heat treated to with stand high torque needed to remove some fan clutches.

* Most wrenches feature a 1/2" drive square for attaching a break bar to apply extra torque.

* 2-1/4" (57mm) Fan pulley holding tool

* 2-3/8" (60mm) Fan clutch bolt holding tool

* 2-1/8" (54mm) Fan clutch pulley holding tool

* 3/1/4" (82mm) Fan pulley holding tool

* 3" (76mm) Fan clutch pulley holding tool

* 2-13/16" (72mm) Fan hub wrench

* 1-7/16" (36mm) Fan clutch nut wrench

* 1-7/16" (36mm) Fan clutch wrench

* 1-9/16" (39mm) Fan clutch wrench

* 1-7/8" (47mm) Left hand clutch nut wrench

F59162A-3658**Ford Fan Clutch Wrench Set**

Set is used to remove and replace the thermostatic fan assembly on Ford 4.9-L E and F series truck engines 1984 through 1993, Ford 4.6-L modular engines, 2.8-L engines 1984 through 1987, 2.9 to 3.0-L engines, 1988 to current and 4.0-L engines 1990 to current. Use with 1/2" square drive tools and torque wrench. Refer to Ford factory service manual for torque specifications and thread direction. Wrench Openings - Long: 36mm (1.417"), Short: 58mm (2.283").

F59162A-3683**Ford Diesel Fan Clutch Wrench Set**

Wrench Openings - Long: 36mm (1.417"), Short: 83mm (3.250").

F59162B**Fan Clutch Removing/Installing Set**

Removing fan clutches to replace Water pumps or for other engine service doesn't have to be a headache.

* Five wrenches and five holding tools included give you broad coverage of GM, Ford and Chrysler vehicles that use a fan clutch.

* Fit into close quarters where conventional wrenches just won't get the job done. Heat treated to with stand high torque needed to remove some fan clutches.

* Most wrenches feature a 1/2" drive square for attaching a break bar to apply extra torque.

* 2-1/4" (57mm) Fan pulley holding tool

* 2-3/8" (60mm) Fan clutch bolt holding tool

* 2-1/8" (54mm) Fan clutch pulley holding tool

* 3/1/4" (82mm) Fan pulley holding tool

* 3" (76mm) Fan clutch pulley holding tool

* 2-13/16" (72mm) Fan hub wrench

* 1-7/16" (36mm) Fan clutch nut wrench

* 1-7/16" (36mm) Fan clutch wrench

* 1-9/16" (39mm) Fan clutch wrench

* 1-7/8" (47mm) Left hand clutch nut wrench

F59162C**24PC. Fan Clutch Removing/Installing Set & Serpentine Belt Tool & Accessories**

Includes:

- * 2-1/4" (57mm) Fan pulley holding tool
- * 2-3/8" (60mm) Fan clutch bolt holding tool
- * 2-1/8" (54mm) Fan clutch pulley holding tool
- * 3/1/4" (82mm) Fan pulley holding tool
- * 3" (76mm) Fan clutch pulley holding tool
- * 2-13/16" (72mm) Fan hub wrench
- * 1-7/16" (36mm) Fan clutch nut wrench
- * 1-7/16" (36mm) Fan clutch wrench
- * 1-9/16" (39mm) Fan clutch wrench
- * 1-7/8" (47mm) Left hand clutch nut wrench
- * 13mm Crowfoot-GM Quad Four Engine
- * 14mm Crowfoot-Saturn Engine
- * 15mm Crowfoot-Ford Windstar with 3.8 L Engine
- * 13mm Socket- GM Quad Four Engine
- * 14mm Socket- 1.9 Liter Saturn
- * 15mm Socket- Some GM and Chrysler
- * 16mm Socket- 4.0 Liter Ford
- * 18mm Socket - GM 3800 Engine
- * 3/8" Square Drive Socket - 3.1 Liter GM
- * 1/2" Square Drive Socket - Late Model GM and Ford
- * Short Extension- 15mm Socket- 3.3 Liter Chrysler- 16mm Socket- 3.8 Liter Ford
- * Long extension- 15mm Socket- 3.3 Liter Chrysler- 16mm Socket- 3.8 Liter Ford
- * Serpentine belt holder (Length: 590mm) - 13mm Socket- Late model GM Quad Ford Engine- 16mm Socket- 3.8 Liter Ford
- * 3/8" bolt- Connects Serpentine belt holder to extension

F59298**Master Harmonic Puller Replacer Set**

This unique puller & replacer design includes eight imperial and metric adaptors, plus an end cap adaptor.

Special 1/4" shoulder bolts and a 2" extension piece are included to suit Holden 3800cc V6 Commodore engines. The pulling plate, fitted with its needle race thrust bearing removes or replaces the pulley by the position of the thrust nut.

Includes five sets of three fixing bolts: 2x1/4"UNF, 5/16"UNC, 3/8"UNC, 3/8"UNF

Installing Adaptor Sizes: 7/16", 1/2", 9/16", 5/8" & 3/4"UNF 12x1.5mm, 14x1.5mm & 16x2.0mm

F59163**Master Bolt Grip Set**

Master Bolt Grip Set works on harmonic balancers, steering wheels, crankshaft pullers, and gears. Capable of handling almost every two or three-way bolt pull possible on almost every car, pickup, SUV, and small engine.

Description:

- * Two or three way Yoke
- * 4 pc Tip Set
- * Metric Bolt Set- 8 mm x 80(3), 8 mm x 65(2), 8 mm x 40(3), 10 mm x 50(3)
- * SAE Bolt Set- 5/16-18 x 4-1/2"(3), 5/16-24 x 3-1/2"(2), 3/8-16 x 4"(3), 3/8-16 x 2"(3), 3/8-24 x 2"(3), 5/16-18 x 2"(3)
- * Center Screw for Puller(2)

F59163A**Harmonic Balancer Remover Set**

- * 2 of 3/8" x 16 x 4" * Small pointed tip
- * 3 of 5/16" x 18 x 2" * Flat tip
- * 3 of 3/8" x 24 x 2" * Long center bolt
- * 2 of 10mm x 1.5 x 3" * Yoke

F59163B**Steering Wheel Puller**

* Removes steering wheels on most domestic or imported vehicles, with or without telescoping steering columns.

* Also works as a regular 2/3-way puller to remove pulleys and small engine flywheels.

F59299**3Pc. External Disconnect Tool Set**

This external set works on Norma-Quick connect fuel lines found on the late model Ford, GM, Chrysler & Mitsubishi vehicles. They simply clip over the connector and release the spring lock. They will not damaged fuel lines or connectors. VT & later Commodore, AU & later Falcon, TJ & later Magna, GM Opel & Vectra.

F59164A-15M**15PC. Professional Metric Crowfoot Wrench Set****Metric Size: 3/8" DR.**

8, 9, 10, 11, 12, 13, 14, 15, 16, 17
18, 19mm

1/2" DR.

21, 22, 24mm

F59164A-11M**11PC. Professional Metric Crowfoot Wrench Set****Metric Size: 1/2" DR.**

20, 21, 22, 23, 24, 25, 26, 27, 28
30, 32 mm

F59164-13M**13PC. Professional Metric Crowfoot Wrench Set****Metric Size: 1/2" DR.**

20, 21, 22, 23, 24, 25, 26, 27, 28
30, 32 mm

F59164A-19M**19PC. Professional Metric Crowfoot Wrench Set****Metric Size: 3/8" DR.**8, 9, 10, 11, 12, 13, 14, 15, 16, 17
18, 19mm**1/2" DR.**

21, 22, 24, 27, 28, 30, 32mm

F59164-7M**7PC. Professional Metric Crowfoot Wrench Set****Metric Size: 3/8" DR.**

10, 11, 12, 13, 14, 17, 19mm

F59164B-12S**12PC. Professional S.A.E. Crowfoot Wrench Set****S.A.E Size: 3/8" DR.**5/16", 3/8", 7/16", 1/2", 9/16", 5/8"
11/16", 3/4"**1/2" DR.**

13/16", 7/8", 15/16", 1"

F59164B-16S**16PC. Professional S.A.E. Crowfoot Wrench Set****S.A.E Size: 3/8" DR.**5/16", 3/8", 7/16", 1/2", 9/16", 5/8"
11/16", 3/4"**1/2" DR.**13/16", 7/8", 15/16", 1", 1-1/16", 1-1/8",
1-3/16", 1-1/4"**F59164B-6S****12PC. Professional S.A.E. Crowfoot Wrench Set****S.A.E Size: 3/8" DR.**

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

F59164C-10MH**3/8" x 10PC. Metric Flare Nut Crowfoot Wrench Set**

10PC-MM Size:

10, 11, 12, 13, 14, 15, 16, 17, 18,
19mm.**F59164D-11SH****11PC. S.A.E Flare Nut Crowfoot Wrench Set**S.A.E Size: **3/8"DR.**3/8", 7/16", 1/2", 9/16", 5/8", 11/16"
, 3/4"**1/2"DR.**

13/16", 7/8", 15/16", 1".

F59164E-8SH**8PC. S.A.E Flare Nut Crowfoot Wrench Set**

S.A.E Size: 3/8"DR.

3/8", 7/16", 1/2", 9/16", 5/8", 11/16"
, 3/4", 7/8"**F59164F-8MH****8PC. Metric Flare Nut Crowfoot Wrench Set**

MM Size: 3/8"DR.

10, 11, 13, 14, 15, 17, 18, 22

F59166**IAC Signal Tester**

Use testers for checking the electronic control module signal that provides direction to the idle air-control motor on GM vehicles with throttle body or port fuel injection systems.

F59165**Universal Twin Disc Brake Pad Spreader**

*For Single & Dual Piston Calipers

*Works on or off the vehicle

*Heavy Duty Tool

Works on most single piston calipers.

Works on the following dual piston applications:

Ford F250, F350, & F450 Trucks

GM Lumina, Cutlass, Regal, and Grand Prix.

Works on & off the vehicle.

Heavy-duty (3/16") pushing plate designed to be long-lasting.

F59300**3/8"DR. 11PC.-S.A.E Crowfoot Wrenches Set**

Size: 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1"

F59301**3/8"DR. 15PC.-MM Crowfoot Wrenches Set**

Size: 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 23, 24, 26mm

F59302**Brake Piston Readjusting Set**

* For readjusting (pushing or turning) brake pistons on floating caliper systems with or without locking device for hand brakes.

* Thrust bearing avoids damaging of the dust boot.

* With additional outside hexagons 13 mm for flexible application of operating tools, e.g. reversible ratchets.

* Universal application - suitable for all common vehicle types.

	d(mm)	
F59302-1		Basic device
F59302-2	30	Adapter with 4 pins HONDA/SAAB
F59302-3	30	Adapter VW-AUDI, inside hexagon 12 mm
F59302-4	32	Adapter with 2 points FORD Focus, SMART for four OPEL Zafira, Astra G, Corsa GSi
F59302-5	35	Adapter with 2 pins AUDI 80 B4
F59302-6	55	Adapter with 2 pins VW-AUDI

F59303**Front Coil Spring Compressor Kit**

Suits: Mercedes Benz

Models: W116, W123, W124, W126, W129, W140, W170, W201, W202, W210, GM, Opel, Peugeot, Rover, Saab, Volvo, VW T2, Ford Taurus, Hyundai, Mitsubishi Lada, Skoda, etc.

Features extra strong Trapezoid thread on center screw.

Supplied in blow mold storage case.

Maximum Capacity: 5-1/2"(140mm) Spring diameter

Overall Length: 13-3/8"(340mm)

F59304**Crankshaft Pulley Holder**

Break loose the crank shaft pulley / harmonic balancer bolt.
Designed to properly secure the pulley from rotating during R & R of crank bolt.

F59304A**Crankshaft Pulley Holder**

Break loose the crank shaft pulley / harmonic balancer bolt.
Designed to properly secure the pulley from rotating during R & R of crank bolt.

F59305**Valve Grinder**

* #7900A Suction pads Ø 19 and 22 mm. Length: 245mm
* #7900B Suction pads Ø 22 and 32 mm. Length: 255mm

F59306**Fibre Optic Noid Light Extension Cable**

Insert noid light into the cup of extension cable then connect it to the vehicle wiring harness. The extra long fibre optic cable can be secured with suction cup to the windscreen, bonnet etc. to observe the flashing noid light through the lens of the fibre optic cable.

Length: 6ft (1.8m)

F59307**4PCS Heavy Duty Pin Punch Set**

Size: 10, 12, 14, 16 mm

F59308**Antenna Wrench & Radio Service Set**

Set includes:

Universal Antenna Wrench

GM Code Retriever

Chrysler Radio Removal Socket

Ford Radio Removal Lock Pin Set

1/4" Hex Bit Holder Socket

1/4" Hex Torx Bits: T10 & T15

1/4" Hex Tamper Torx Bits: T7, T10, & T15

F59308A**Antenna Wrench & Radio Service Set**

Set includes:

Universal Antenna Wrench

GM Code Retriever

Chrysler Radio Removal Socket

Ford Radio Removal Lock Pin Set

1/4" Hex Bit Holder Socket

1/4" Hex Torx Bits: T10 & T15

1/4" Hex Tamper Torx Bits: T7, T10, & T15

1/4"DR. Ratchet Wrench

F59308B**Antenna Wrench & Radio Service Set**

Set includes:

* Universal Antenna Wrench

* GM Code Retriever

* Chrysler Radio Removal Socket

* Ford Radio Removal Lock Pin Set

* 1/4" Hex Bit Holder Socket

* 1/4" Hex Torx Bits: T10 & T15

* 1/4" Hex Tamper Torx Bits: T7, T10, & T15

* BMW models with anti-theft radio.

* Audi A4, A6, A8 and VW New Beetle.

* For 1992 & newer Mercedes 129, 140, 163, 202, and 210 models.

* For VW New Body Style Passat, Jetta and Golf.

F59309**4PCS Heavy Duty Chisel Set****3PCS Flat Chisel: 15, 20, 25 mm****1PC Cape Chisel: 10mm****F59310****TDC Timing Degree Wheel**

360° Timing degree wheel is designed for finding top dead center and checking camshaft timing. Three holes allow the wheel to securely fasten to the engine crankshaft. Use in conjunction with a dial gauge for correct intake and exhaust valve timing settings.

Diameter: 12-5/8" (320mm)

F59311**Grip Spark Plug Gap Gauge**

This patented universal spark plug gauge is always at your fingertips by utilizing the "pocket clip" feature. Full range coverage for spark plug gapping requirements from .020" to .080". This range covers older models right through to the latest model vehicles including those equipped with distributor less ignition systems. Metric gapping scale shown on reverse side. Tool includes a recess specifically designed to adjust spark plug electrodes.

F59312**Harmonic Balancer Remover & Replacer Set**

*For removal and installation of harmonic balancers on most automotive and light truck applications.

*Master set includes necessary bolts and adapters for most applications.

*Bilingual Instructions

*Replacement Parts Available

F59313**6PC. Heavy Duty Punch & Chisel Set**

Extra heavy duty long punch and chisel set with impact resistant, moulded tang-thru handles which give a positive and comfortable grip. Made from 6140 heat treated chrome alloy steel.

Set Contains:

#8800A 3/16" Long Taper Punch

#8800B 3/32" Diamond Point Chisel

#8800C 3/8" Long Cold Chisel

#8800D 1-3/16" Long Cold Chisel

#8800E 2" Long Cold Chisel

#8800F 3-1/16" Long Cold Chisel

Supplied in blow mold case.

F59313A**Extra Heavy-Duty Long Taper Punch**

Extra heavy duty long taper punch with impact resistant, moulded tang-thru handle which gives a positive & comfortable grip. Made from 6140 heat treated chrome alloy steel.

Stock: 11/16" (17mm)

Tip: 3/16" (5mm)

Length: 16" (405mm)

F59313B**Extra Heavy-Duty Long Diamond Point Chisel**

Extra heavy duty long diamond point chisel with impact resistant, moulded tang-thru handle which gives a positive & comfortable grip. Made from 6140 heat treated chrome alloy steel.

Stock: 11/16" (17mm)

Tip: 3/32" (2.5mm)

Length: 16" (405mm)

F59313C**Extra Heavy-Duty Long Cold Chisel**

Extra heavy duty long chisel with impact resistant, moulded tang-thru handle which gives a positive & comfortable grip. Made from 6140 heat treated chrome alloy steel.

Stock: 11/16" (17mm)

Blade: 3/8" (9.8mm)

Length: 16" (405mm)

F59313D**Extra Heavy-Duty Long Cold Chisel**

Extra heavy duty long chisel with impact resistant, moulded tang-thru handle which gives a positive & comfortable grip. Made from 6140 heat treated chrome alloy steel.

Stock: 11/16" (17mm)

Blade: 1-3/16" (30mm)

Length: 16" (405mm)

F59313E**Extra Heavy-Duty Long Cold Chisel**

Extra heavy duty long chisel with impact resistant, moulded tang-thru handle which gives a positive & comfortable grip. Made from 6140 heat treated chrome alloy steel.

Stock: 11/16" (17mm)

Blade: 2" (50mm)

Length: 16" (405mm)

F59313F**Extra Heavy-Duty Long Cold Chisel**

Extra heavy duty long chisel with impact resistant, moulded tang-thru handle which gives a positive & comfortable grip. Made from 6140 heat treated chrome alloy steel.

Stock: 11/16" (17mm)

Blade: 3-1/16" (78mm)

Length: 16" (405mm)

F59313G**Extra Heavy-Duty Long Taper Punch**

Extra heavy duty long taper punch with impact resistant, moulded tang-thru handle which gives a positive & comfortable grip. Made from 6140 heat treated chrome alloy steel.

Stock: 3/4" (19mm)

Tip: 3/8" (10mm)

Length: 18-1/2" (470mm)

F59314**Spark Plug & Lead Tester**

Tests both spark plugs and spark plug leads. With engine running place the wire in the cradle, slide the tool up and down the length of the wire. Flashes of light should be visible. To test spark plug, place opposite end as close to spark plug boot as possible. Flashes of light should be again visible. Steady flashes indicate normal. Erratic or no flash indicates faulty component.

F59167**Spark Gap Tester**

Tests both spark plugs and spark plug wires. With engine running place wire in cradle. Slide the tool up and down.

F59316**3Pc. Non Sparking Hammer & Punch Set**

Brass Punches

* 8" (203mm) Long, 5/8" hex-tapered to 3/8"

* 10" (254mm) Long, 3/4" diameter, chamfered both ends.

Beryllium Hammers

Size: 1 lb (450mg) x 12-1/2"

F59317**3Pc. Non Sparking Hammer & Punch Set**

Copper & Beryllium soft face hammer with 3/4" diameter straight brass punch & 5/8" brass taper drift punch, to prevent marking and damage to metal parts.

Hammer Weight: 2lb. (0.9kg)

Length of Punches: 8" (200mm)

F59318**9PC. Disc Brake Service Tool Kit**

General purpose brake service tool kit consists of the following brake service tools:

- * Brake Spring Pliers
- * Brake Shoe Retaining Spring Tool
- * Drum Brake Adjusting Tool
- * Disc Brake Piston Cube
- * Disc Brake Pad Spreader
- * Brake Cylinder Retainer Remover
- * 3PC. Disc Caliper Bolt Socket Set

F59319**9PC. Disc Brake Service Tool Kit**

- * Brake Spring Pliers
- * Brake Shoe Retaining Spring Tool
- * Universal Twin Disc Brake Pad Spreader
- * Brake Adjustment Tool
- * Brake Cylinder Retainer Remover
- * Disc Brake Piston "Cube"
- * 3PC. Disc Caliper Bolt Socket Set

F59320**12PC. Spark & Wire Service Tool Kit****F59321****GM Crankshaft Sensor Remover**

Easily removes the crankshaft sensor from the engine block on GM V-6 applications. Works on 1994 and newer GM 3100 V-6, 1990-1994 3.1L V-6, 1987-1989 2.8L V-6, and 1999-newer 3400 engines.

F59322**Air Conditioning Seal Installation and removal Tool**

- 1 Seal removal tool for worn seals on pipes.
 - 1 inside grip seal removal tool.
 - 1 seal installation tool for each current seal size (no. 6 , 8 , 10 and 12).
- For installing and removing Manuli "Euro" series air-conditioning seals.
Protects seals and pipes.

F59323**Chrysler LH-Series Toe Adjusting Tool Set**

Three tools consisting of crow's foot wrench, offset socket and retainer ring cone required for front toe adjustments on Chrysler LH-series vehicles '98 to current.
This set enables the mechanic to adjust toe and maintain a straight steering wheel enabling correct centring of the tie rod.

F59196**Metric Clutch Alignment Tool**

For faster, easier replacement or repair of metric clutches. Tool consists of the shaft, ten pilot bushing and two plate alignment cones with graduated turned diameters for automatic fit of most metric clutch plates. A tapered cone to fit all other is provided.

Sizes: 11.85, 13.85, 15.8, 16.7, 18.98mm.

F59170**Transmission/Transaxle Plugs**

Stops loss of transmission fluid. Five stepped plugs fit both transmission and transaxles on most import and domestic cars and pickups. Stepped design prevents slipping out. Adapter 23450 includes side gear centering for Ford transaxles. Plugs cover a range of 1"-2.180"(25.4mm-53.37 mm). Plugs may be purchased individually.

F58112**Power Steering Pump Alternator Pulley Remover/Installer**

This 2-in-1 impact tool features a 2-sided flange which fit domestic automobiles including GM, Chrysler and Ford, and install Saginaw, Thompson and Ford C-2 power pumps with grooved assemblies. Works on alternator pulley the following grooved hub diameters: 1-1/8"(28mm), 1-1/4"(32mm), 1-5/16"(34mm), and 1-3/8"(35mm).

F58112A**Power Steering Pump Alternator Pulley Remover/Installer**

Removes and installs Saginaw, Thompson, Bishop Bendix, TRW and Ford C-4 power steering pump pulleys with grooved hub assemblies. Features a two-sided flange which also fits most alternator pulleys with grooved center hubs. Suits Hub Diameters: 1-1/8"(28mm), 1-1/4"(32mm), 1-5/16"(33mm), 1-3/8"(35mm)

F59171**GM10 3 Pin & 4 Pin Strut Service Tool**

Removes GM10 model MacPherson Strut cartridges on the car. Tool completely removes and installs strut cartridge through the strut tower. Comes with handle, double end 3 and 4 pin socket wrench and T-50 Torx bit to quickly remove and replace strut cartridge. Works on later model GM vehicles with strut type suspension.

F59172**Universal Strut Nut Remover**

Makes strut disassembly & assembly easily. Four double-ended drivers remove the top nut on most all Macpherson strut application. Drivers fit Torx, internal hex, two external hex and four double-D sizes. Works especially well on nuts that are recessed. Allows direct reading with torque wrench when required.

F59173**Front Shock Absorber Tool Set**

This tool is designed to remove and install front shock absorbers on domestic cars. Includes two sizes of oval piston-end sockets, and a convenient 3/8" square drive wrench. The 9/16" hex socket is used to loosen or tighten the hex nut on the socket, use 3/4" open-end wrench. Instruction included.

F59174**Chrysler Crankshaft Pulley Remover/Installer**

Two tools in one! This remover/installer is a must when servicing the crankshaft pulley on 1981 and newer Chrysler cars. It removes/installs the crank gear while the engine is still in the vehicle, and will not damage either the gear or crankshaft. For use on 1981-current 2.2L engines with 4-ro5-hole crank gear; 1986-current 2.5L engines with 4- or 5-hole crank gear.

F59175**Perma-Quick Boot Clamp Installer**

Designed to crimp and flatten the clamp on CV joint boot clamps. Also install perma quick clamps on fuel filter and cooling system hoses. Use on "Oetiker" type clamps.

F59175A**Ear-type CV Boot Clamp Pliers**

* For removal of the front hub assembly, necessary for wheel bearing or brake rotor service. Provides the mechanical advantage and straight pull not possible with a slide hammer.

* Services:

- 1988 - 2000 GM 1/2-ton, 3/4-ton, and 1-ton trucks, Tahoe, Suburban, and Yukon.
- 1994 - 2000 Dodge 1/2-ton, 3/4-ton, and 1-ton Ram trucks.
- 1997 - 2000 Ford 1/2-ton trucks and Expeditions.
- 1985 - 2001 Jeep Cherokee.

F59324

**Cv Boot Clamp Installer Cutter Set**

F59176

**Fuel Tank Sender Unit Wrench**

Use instead of hammer and punch when it is necessary to remove or install fuel tank lock rings. Fits 1974 thru 1984 Ford rear wheel drive vehicles with mechanical fuel pumps.

F59177

**Drive Pulley Puller And Installer Set**

This two piece set is for removal and installation of the drive pulley on Cummins NH and NTC 855 cu. In. diesel engines. The F59177A remover simply bolts into the tapped holes for pulling. The F59177B installer threads onto the pulley accessory drive shaft for easy installation.

F59325

**Exhaust Grommet Pliers**

For removal of exhaust components from rubber-style hangers.

- * Self-locating forcing pin.
- * "Cushioned" slip-resistant handles.
- * 25° Offset for easy access.

F59326

**1" Drive Budd-wheel Socket**

Socket removes and installs Budd-type wheel fasteners. It has 2 openings, 13/16" square and 1-1/2" hex, eliminating the need for 2 separate sockets. It is designed for use with power impact tools. Length: 4". Weight: 2 lb.

F59327**Ball Joint Socket**

For Plymouth and Dodge cars. 3/4" square drive. 2-3/16" I.D. 2" long.

F58113**Steering Pivot Pin Remover**

Tilt and telescoping steering columns are much easier to service when your tool box has one of these pivot pin removers in it. Works on 1969-current GM, Chrysler, and Ford vehicles with saginaw steering columns.

F58114**VW and Audi Strut Nut Socket**

Because the top shock retaining nut on VW and Audi FWD cars is recessed inside the strut tower, conventional methods for removing and installing it just won't work. The 1-3/4" long socket reaches down into the recess and fits the slot in the top of the nut. Center bore allows you to use a hex key to hold the strut shaft from turning, and the 7/8" (22mm) hex can be gripped with a wrench.

F59178**Transmission Seal Remover & Installer****Instructions**

GM transmission Seal remover & installer allows user to remove and install transmission shift selector shaft seals without draining fluid screw threaded cone into seal and tighten remover screw to easily pull worn seal. Then place installer over new seal and selector shaft and lightly tap with hammer.

F59178A**Transmission Seal Removers And Installers**

Remove and install transmission shift selector shaft seals without draining fluid. To use screw cone-shaped threads into seal and tighten remover screw to pull worn seals. Place installer over new seal and selector shaft and tap with hammer to install.

F59178B**Transmission Selector Shaft Seal Remover & Installer**

Capacity: 5/8" to 3/4" (16-19mm)

F58115**ABS Proportioning Valve Depressor**

On the 4WEL unit; one of each of two valves, also for use on Hayes anti-lock brake systems by GM.

F59180**GM W-Body Strut Service Kit**

This six pieces strut service set includes one (1) each of the following:

F58181**Strut Retaining Tool**

Tool holds the strut spring in place when the strut cartridge is removed from the assembly. Also prevent misalignment and damage while changing the strut cartridge. 1988 to current Grand Prix, Cutlass and Rega 1990 to current Lumina.

F58116**Jounce Bumper Wrench**

Remove jounce bumper retainers while still in the vehicle without worry of damage. Allows direct access to the strut nut.

F58117

**Strut Cap Wrench**

Remove and install on the vehicle the strut cap nut from the strut cartridge.

F58118

**Strut Extension Rod**

Remove and install strut cartridge by screwing on to the strut shaft to guide the cartridge into place. Use with stry in vehicle without damage to the strut.

F58119

**Metric Strut Rod Socket**

This 24mm socket permits tightening or loosening the strut nut; essential for tightening the nut to the proper torque setting. 1/2" drive, open top socket for holding of strut rod while torquing strut nut.

F58120

**T-50 TORX Bit Socket 3/8" Drive**

Parts also available individually.

F59182

**Monroe Rear Shock Wrench**

Specially designed double-D shaped end fits over the lower rear shock bolts on 1970 to date Ford Vehicles with Monroe Replacement shock.

F59183**Heater Hose Disconnect Tool**

Removes heater hoses with 1/4" or 5/8" quick disconnect couplings from rear heater core on 1987-current Dodge Caravan and Plymouth Voyager vans. Also gets into difficult access area next to firewall on 1986-current Ford Aerostar vans.

F59183A**Ford Aerostar Heater Hose Tool**

Use tool to remove heater hose from heater core tube without damaging coupling, retainer or hose. It fits Ford 1986 to current Aerostar vans with 5/8" to 3/4" heater hoses and quick disconnect couplings. Its extension handle allows for easy access to coupling.

F58121**Lower Ball Joint Socket**

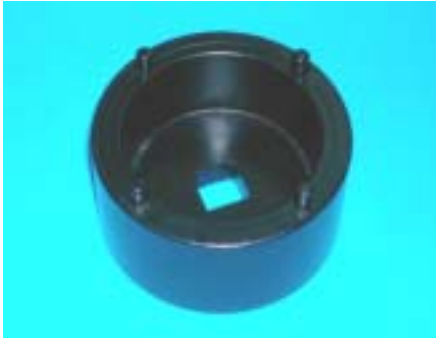
Peugeot 405 / Citroen

F58122**Tie Rod End Socket**

For removing tie rod ends. Fits most cars and some trucks. U-shaped opening measures 1-1/8" x 3/4". Use with 1/2" square drive handles. 1-15/16" I.D., 2-1/4" long.

F58178**Ball Joint Socket**

For compact Chrysler Corporation cars. 3/4" square drive. Wrench size is 1-51/64", length is 3-5/8".

F58123**Toyota Locknut Wrench**

Toyota's front wheel bearing design change requires a new procedure to remove the locknut; the free wheel hub assembly's locknut is on the inside, so the hub must be removed to gain access. This wrench's four-pin design accommodates the four holes in each locknut, which prevents slippage under high torquing requirements. Works on 1995 and newer Tocomas, and 1996 and newer T100 and 4 Runners.

F58124**Ball Joint Socket**

For use on 4-5 B axles such as found on Dodge, Ford, Chevrolet, GMC and international four wheel drive trucks. Adjusts the sleeve in the top of the yoke on the front suspension. 1/2" square drive, 1" O.D., 2-1/8" long.

F58125**Antenna Nut Socket**

Three-prong socket has 11/16" external hex. 3/4" in diameter, 1-1/2" long. Nickel/chrome finish. Services: 1987-current Chrysler vehicles.

F58126**Antenna Nut Socket**

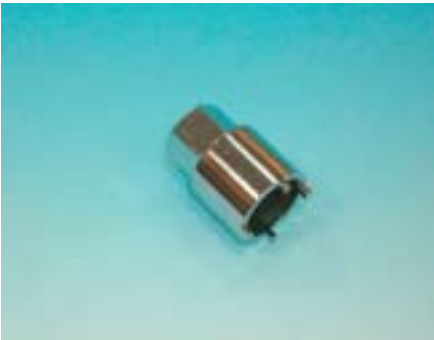
Two-prong socket has 11/16" external hex. Nickel/chrome finish. Services: 1989-90 Ford Probe, 1989-90 Mazda Rx7 and 926, Nissan Stanza and Maxima.

F58127**Antenna Nut Socket**

Four-prong socket has 11/16" external hex. Nickel/chrome finish. Services: 1985-90 Ford Taurus and Mercury Sable, 1990 Lincoln Mark VLL.

F58128**Antenna Nut Socket**

Four-prong socket has 11/16" external hex. Nickel/chrome finish. Services: 1988-90 GM Cavalier and Sunbird, 1988-90 GMT400 pick-up trucks C and K, 1989-90 Lincoln Town car and Continental, 1990 Toyota Camry and Celica, Chrysler/Mitsubishi Tazer and Eclipse, Mitsubishi Galant and Sigma.

F58129**Power Antenna Nut Socket**

Four-prong socket has 3/4" external hex. Overall length is 44.5mm. Nickel/chrome finish. Services: 1977-current GM cars.

F58130; F58131**F58130 3/8" Drive Remote Control Mirror Socket**

Suit Ford. & VW

F581317 Radio Trim Nut Socket

Suit GM & Ford vehicles.

F59184**5 PCs Special Socket Set**

These special pin sockets are used for removing and installing bezel nuts when servicing antennas, aerials and remote control mirrors. Suits: Chrysler, Ford, GM, GMC, Mazda, Mercury, Mitsubishi, Nissan, Toyota and other vehicles.

F59185**8 PCs Special Socket Set**

Service: Mercedes, BMW, VW, GM, Audi, Ford, Honda, Mazda, Nissan, Mitsubishi. Toyota vehicles.

F58132**Engine Lift Chain**

- * For removal of car and light commercial vehicle engines.
 - * Unique self balancing and securing link lock feature, ensures safe and non-slip lifting.
1. Never exceed the maximum load of 450 kg.
 2. Do not attach ends more than 510mm (20") apart.

F58133**Code Retriever for GM**

Retrieves trouble codes from late model GM vehicles. Three tools in one. Tool retrieves codes from engine computer, rear wheel anti-lock brake computer and four wheel anti-lock brake computer. Key probes jump terminals on assembly link connector (ALDL) to activate trouble codes. Refer to repair manual for proper code interpretation.

F58134**Disc Brake Pad Spreader**

Spreader fits between two new pads being installed, then expands to retract the piston. Leaves hands free to start caliper over rotor. Slides off easily. Ford all standard and four-piston caliper disc brakes.

F58135**Code Retriever for GM**

Retrieves trouble codes from late model GM vehicles. Three tools in one. Tool retrieves codes from engine computer, rear wheel anti-lock brake computer and four wheel anti-lock brake computer. Key probes jump terminals on assembly link connector (ALDL) to activate trouble codes. Refer to repair manual for proper code interpretation.

F58179**Ford Rear Main Seal Installer**

This installer is the most accurate way to ensure that the rear main seal is set to the correct depth on the crankshaft. The installer fits over the seal, and with the two bolts included, attaches to the engine crankshaft. By alternately tightening the bolts, the seal is pulled into place quickly, easily, and with no damage to the rear main seal. Works on Ford with 2.0 and 2.3L 4-cylinder engines; 3.0 and 3.8L V-6 engines; and 4.6 and 5.0LV-8 engines.

F59186

- F59186A** Pair of 3/8" flywheel to clutch guide pins.
- F59186B** Pair of 7/16" flywheel to clutch pins.
- F59186C** Hex keywrench.
Removes/installs flywheel
Drive pin set screws.

F58136**Hydraulic Clutch Line Disconnect Tool**

* For removing hydraulic clutch lines from clutch slave cylinders on some manual transmissions.

Applications:

- * 1989 to current Mercury Cougars & Thunderbirds.
- * 1988 to current small trucks including; Explorer, Ranger & Bronco II.

F58180**Miscellaneous**

Brake and Accelerator Pedal Jack. Trigger-controlled unit slides handle to any position on 28-1/2" shaft. Thump lock releases pressure easily. Use as a pedal depressor.

F58137**Drive Pin Installing Tool**

Makes for precise alignment and proper installation of the spacer plate drive pins on the pot type 14" flywheel. Ensures free action of the clutch assembly.

F58138**Self-Adjust Clutch Rotating Tool**

Replaces self-adjuster mechanism on spacer self-adjust clutches. Permits use of open end or box wrench to make proper clutch adjustment.

F58139**Clutch Release Tool**

Permits removal of the shipping blocks from new clutch assemblies. A simple one-step operation.

F58140**Clutch Adjusting Wrench**

For spacer-built heavy-duty clutches. This easy-to-use clutch adjusting wrench will solve the difficult, time-consuming job of internal adjustment of spacer angle-spring and multiple lever clutches found on nearly 50% of all heavy-duty trucks. Until now, a pry bar or other makeshift method was used and often resulted in damage to parts, poor job performance, and excessive downtime.

F59187**Truck Clutch Service Set**

An ideal companion set to the clutch handler, this set lets you perform a variety of clutch and fly wheel service jobs on Spicer-Built heavy-duty cast and angle-spring clutches. Nine different tools help with everything from clutch installation and removal, to installing new drive pins in the flywheel, to proper adjustment of manual and self-adjusting clutches. Carrying/storage case included.

F59328**European Door Hinge/Handle Kit**

Finally, a compact solution to accessing the special fasteners found on the door hinges & door handles of VW/Audi, Mercedes-Benz and Porsche. Includes 4 door hinge bits (less than 1 inch long) with slender ratcheting wrench and extra long drivers for accessing Mercedes and VW door handle fasteners.

- * Ratchet
- * T-20 T-handle Driver
- * T-30 Torx Screwdriver
- * T40 Bit
- * T45 Bit
- * 4MM 12 Point Bit
- * 8MM 12 Point Bit
- * 10MM 12 Point Bit

F59329**Disc Brake Pad Spreader**

- * For installing pads on most domestic and import cars and light trucks.
- * Makes changing pads an easy job.
- * Tool compresses disc brake piston for easy pad installation.

F59191**Fuel Line Disconnect Tool Set**

These little fuel line disconnect tools are just right for working on quick connect fuel lines. They fit 5/16" or 3/8" fuel lines on Chrysler, Ford, or GM vehicles. They separate the fuel lines without damaging the connectors.

F58142; F58143**Ford A/C & Fuel Line Spring Lock Coupling Tool**

Set of both F58142 & F58143

F58142**Fuel Line Quick Disconnect Tool**

Tools service most type of quick-disconnect fittings used on Ford, GM & Chrysler vehicles.

Ford/Chrysler/GM fuel line disconnect tool 5/16" & 3/8".

F58143**Spring Lock Coupler Tool**

Releases locking mechanism on all four sizes of spring lock couplings on most Fords.

* Four separate sizes referenced A, B, C, D.

* A= 3/4"; B= 5/8"; C= 1/2"; D= 3/8"

F59330C**3PC Fuel & Air Condition Disconnect Tool Set**

Tools service most type of quick-disconnect fittings used on Ford, GM & Chrysler vehicles.

* 1pc Ford fuel line coupling tool for Rangers/Explorers.

* 1pc Ford/Chrysler/GM fuel line disconnect tool 5/16" & 3/8".

* 1pc A/C & fuel line spring lock coupling tool 3/8", 1/2", 5/8" & 3/4".

F59330D**Ford A/C And Fuel Line Spring Lock Coupling Tool**

Set of both AT-515A , AT-515B & CJ-570

Ford/GM Quick Disconnected Tool

Set of CJ-400

F59192**Ford/GM Fuel Line Disconnect Tool Set**

1992 & newer Chev, Lumina & Monte Carlo; Pont, Grand Prix; Olds Cutlass Supreme; Buick Regal (all w/ABS); 1988 & newer Ford pickups (at fuel sending unit).

F58144**Chrysler Fuel Line Disconnect Tool**

1994 & newer Chrysler LH vehicles, other Chrysler vehicles with quick connect fuel lines.

F59331**Ford Heater Hose Disconnect Tool**

1995 & newer Ford Crown Victoria & Mercury Grand Marquis with 4.6L engine

F59193**GM Heater Line Disconnect Tool**

Disconnects heater line from engine block/thermostat housing. Fits 1991-current GM 3.1 liter, 3.4 liter and 3.8 liter (3800) engine.

F59332**Full-Coverage Disconnect Tool Package**

Tool included service the many types of quick-disconnect fittings used on GM, Ford, and Chrysler vehicles. Tools service heater hoses, transmission oil coolers, air conditioning and fuel lines. They are vehicle manufacturer approved; will not damage fittings being disconnected. Tool No: 58205, 58206, 58207, 58208, 58210 and 58211 are used on Ford air conditioning and fuel lines. They are spring-loaded in the closed position to deflect any spray that occurs when the line is disconnected, Handy grease and fuel-resistant storage trays that fit in a tool box are included.

F59333T**Valve Adjusting Tool (Toyota)**

(For Toyota and other overhead camshaft engines using spacer shims). Shim pliers push between the shim and camshaft allowing the included wedge tool to be placed between the valve lifter ledge and camshaft for easy shim replacement.

F59333N**Valve Adjusting Tool (Nissan)**

(for Nissan overhead camshaft engines using spacer shims). Same shim pliers as the AT-585 above. except its wedge tool is designed for Nissan GM engines found on Sentra.

F59334**Coolant Temperature Sensor Socket**

Fits Nissan cars & trucks with 3.0L V6 engines. For easy removal and installation of coolant temperature sensors.

Size: 19 mm 12 Point x 3/8" Square Drive

F59335**Mazda Crankshaft Holder Tool**

For holding crankshaft stationary so that crankshaft center bolt can be removed or tightened. Bolts directly to crankshaft using pulley attaching bolts.

F59336**Transaxle Drain Plug Socket**

VW registered trademark of
Volkswagen of America, Inc

F59337**Valve Adjustment Tool**

- * For adjusting valve on Honda and Acura VTEC engine.
- * Same tool factory technicians use.
- * Long socket raises the adjustment position for more work space.
- * Holds adjusting screw positively in place while jam nut is tightened.
- * Eliminates misadjustment typically experienced using conventional tools.

F59338**Crankshaft Pulley Holding Tool**

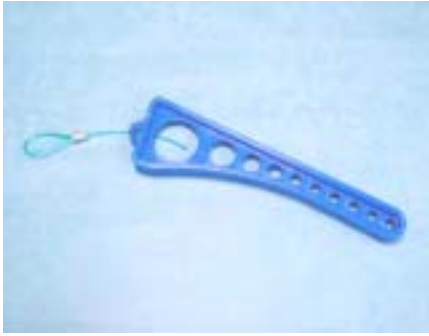
Ford removal and installation of crankshaft pulley attaching bolt
Hexagonal shaped tool mates with hole in crankshaft Pulley
Shallow 1" overall depth fist tight engine compartment areas
Hole in center allows access to crankshaft pulley bolt with socket
Prevents crankshaft and engine movement when held with breaker bar
Fits Honda Prelude 1944-95 and some Honda/Acura V6 engines

F59339**Honda Crankshaft Pulley Holding Tool**

For removal and installation of crankshaft pulley attaching bolt
Special sliding dowel assembly adjusts to fit into holes in crankshaft pulley
Prevents crankshaft and engine movement when held with breaker bar
Hole in center allows access to crankshaft pulley bolt with socket
Fits most carbureted Honda engines, including CRX, Civic, Accord and Prelude
Facilitates timing belt change
Similar design to factory tool

F59340**Nissan Timing Chain Holding Wedge**

Fits 1980-1989 NAPZ 2.0L,2.2L,2.4L,cylinder found in 200sx,510 and Pick up
Used to hold timing chain in place while cylinder head or camshaft is removed
Keeps timing chain from dropping inside the timing cover
Wedge shape keeps chain tensioned from popping out
Eliminates the need for timing cover R&I when servicing head
1. Follow manufacturer's procedures for remove of cylinder head, making sure cylinder NO.1 Piston is at TDC on compression stork ignition pointer and timing mark on crankshaft pulley are aligned and rotor is pointing at NO.1 wire.
2. Prior to removal of camshaft sprocket, insert timing chain wedge into the space directly beneath sprocket.
3. Carefully push down on wedge and ensure it contacts chain on both sides. Note straight side of wedge should be on left side.
4. Remover camshaft gear and drape chain on top pf wedge.
5. Cylinder head may now be removed.

F59341**Nissan Timing Chain Holding Wedge**

Fits 1968-79 1.6L, 1.8L & 2.0L 4-cylinder found in Pickup, 510, 610 and 710

Also fits 1970-83 2.4L, 2.6L & 2.8L inline 6-cylinder found in "Z" cars and 810

Keeps timing chain from dropping inside timing cover while cylinder head or camshaft is removed

Wedge shape keeps chain tensioned from popping out

Eliminates the need for timing cover R&I when servicing head

1. Follow manufacturer's procedures for removal of cylinder head, making sure cylinder No.1 piston is at TDC on compression stroke ignition pointer and timing mark on crankshaft pulley are aligned and rotor is pointing at NO.1 wire.
2. Prior to removal of camshaft sprocket, insert timing chain wedge into the space directly beneath sprocket.
3. Carefully push down on wedge and ensure it contacts chain on both sides. Note straight side of wedge should be on left side.
4. Remove camshaft gear and drape chain on top wedge.

F59342**Ford Injector Remover/Installer Kit**

* Removes and installs injectors without damaging the injector or cylinder head.

Application: 1994- newer Ford 3/4 - and 1- ton trucks, Super Duty trucks, and vans with 7.3L direct- injected turbocharged (DIT) diesel engine.

F59194**Marine Lower Unit Flush And Fill Tool**

Hand operated plunger pump that will screw onto gear box oil containers with universal threaded adaptor to fit marine lower units. Use pump to refill or flush out lubricant.

F59343A**Quart Pump Lower Unit****F59344****Marine Lower Unit Flush And Fill Tool**

Hand operated plunger pump that will screw onto gear box oil containers with universal threaded adaptor to fit marine lower units. Use pump to refill or flush out lubricant.

F59345**Fluid Quart Pump**

Fits standard quart bottle. Ideal for adding fluids to small engines, gearboxes and differentials. Flexible hose for hard-to-reach fill plugs. 4cc pump.

F59346**Camshaft Timing Tools**

Indispensable for servicing timing belts on GM 3.4L V-6 DOHC engine. Works on 1991-'96 Chevrolet Lumina and 1995-'97 Monte Carlo, 1991-'98 Olds Cutlass Supreme and Pontiac Grand Prix.

F59347**Mercedes Benz Rear Wheel Bearing Remover & Installer**

This precision machined tool is used for removing and replacing the rear wheel bearing found on Mercedes Benz rear axles. This tool is also used for the installation of the rear axle flange.

Suits Mercedes Benz models: 124, 129, 201 & 202.

F59348**GM Injection Pump Timing Wrench**

Required to turn the injection pump to set the pump timing. Needed any time the pump is removed, or when valve service is required. Wrench pins fit into holes on mounting flange of pump. The special design of this O.E.- approved wrench allows it to service hard-to-reach injection pumps. Application: 1995- newer 6.2L and 6.5L diesel engines used in GM vans and light-duty trucks.

F59349**Camshaft Lock Set W/Adjustable 38mm Wrench**

* Camshaft Spanner

* Camshaft Locking Tool RH

* Camshaft Locking Tool LH

F59195**Click-R Collar Pliers**

* For releasing and re-fitting reuse able hose clips. It will quickly and easily to close and open the hose clips.

* For type clic and clic-R

F59195A**Click-R Collar Pliers**

* For releasing and re-fitting reuse able hose clips. It will quickly and easily to close and open the hose clips.

* For type clic and clic-R

F59350**Open-End Hexagon Socket for Lambda Probes with 1/2" Female Square Drive**

Universal application of the lambda probe e.g. on Ford, BMW, OPEL, VW-AUDI.

F59351**Valve Guide Cleaner**

Valve guides cleaned with this tool are really cleaned with no gum, no carbon and no scale left.

Use manually or with 1/4" electric drill. Blades of flat spring stock are extremely flexible and give a fine cutting action. Correct tension for various guide hole sizes is regulated by the adjusting nut.

Capacity: 5/16" to 5/8" (8 to 16mm)

F59352**Ford Diesel Fan Clutch Wrench**

Has a 1.7/8" (48mm) opening with special offset handle for use on the viscous fan lock-nut fitted to Ford vans and pickups with 7.3 Litre direct- injected turbo charged (DIT) diesel engines.

1/2" Drive fitted to the end of the wrench for extra leverage. Length: 14.1/4" (360mm)

F59352N**2 Piece 6.0L Powerstroke Fan Clutch Kit**

- * New holder tool for removal and installation of Ford 6.0L PowerStroke Diesel engines from 2003 to present.
- * No known tool in the market today.
- * Designed for Fan Clutch removal on 2003 and above Ford 6.0L Powerstroke engines.
- * Unique fan clutch wrench grips and securely holds the pulley housing.
- * Fan clutch holding tool loosens and removes oval or round hole clutch nut.

F59353**GM W-Body Rear Leaf Spring Compressor**

This compressor is essential equipment when you're servicing the rear shock assembly of GM W-body cars. It fits over the top of the auxiliary spring and applies compression with a threaded forcing screw. The procedure is fast, yet safe, greatly reducing the risk of vehicle damage or personal injury. The compressor works on 1988-'96 Pontiac Grand Prix, 1988-'96 Oldsmobile Cutlass Supreme, 1988-'97 Chevrolet Lumina sedan, 1995-'97 Chevrolet Monte Carlo, and 1988-'96 Buick Regal.

F59354**Ford Torsion Bar Adjustment Tool**

This tool firmly holds the torsion bar on Ford light-duty trucks while you adjust or service the front suspension. Without it, a torsion bar could unwind and possibly cause damage. The tool fits 1997 to current Ford F-150 4WD pickups, 1995 - 2001 Ford Explorer 4WD, 1998 - 2001 Mercury Mountaineer, and 1998 - newer Ford Ranger.

F59355**2PC Cv Boot Clamp Installer And Cutter Set****F59356A****Brake Bleeder Screw Repair Kit**

Eliminates need to replace caliper or wheel cylinder when bleeder screw is frozen or broken.

Instructions:

1. Remove caliper or wheel cylinder from car.
 2. Disassemble and remove piston or cups.
 3. Drill 3/16" hole through existing bleeder.
 4. Increase hole size to 11/32", drilling as straight as possible (Minimum stock around hole should be at least 1/8".)
 5. Using a 1/8"-18 NPT tap, tap hole at least 1/2" deep.
 6. Clear out any metal shavings or foreign material from bleeder hole.
 7. Lubricate threads with anti-seize compound and install repair fitting.
 8. Torque to 30-35 foot pounds.
 9. Reassemble caliper or wheel cylinder.
 10. Check for leakage around threads.
- * 1/4", 5/16", 7mm & 8mm

F59356B



Brake Bleeder Screw Repair Kit

Eliminates need to replace caliper or wheel cylinder when bleeder screw is frozen or broken.

Instructions:

1. Remove caliper or wheel cylinder from car.
2. Disassemble and remove piston or cups.
3. Drill 3/16" hole through existing bleeder.
4. Increase hole size to 11/32", drilling as straight as possible (Minimum stock around hole should be at least 1/8".)
5. Using a 1/8"-18 NPT tap, tap hole at least 1/2" deep.
6. Clear out any metal shavings or foreign material from bleeder hole.
7. Lubricate threads with anti-seize compound and install repair fitting.
8. Torque to 30-35 foot pounds.
9. Reassemble caliper or wheel cylinder.
10. Check for leakage around threads.

* 3/8", 7/16" & 10mm

F59357A; F59358B



F59357A 3/8". 7PC. SAE Spline Wrench Set

Size: 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"

F59358B 3/8". 7PC. Metric Spline Wrench Set

Size: 10, 11, 12, 14, 16, 17, 19 mm

F59358



90° Offset Cummins Feeler Gauge

Contains fourteen 6" x 1/2"(150 x 13mm) blades with 1" x 90° ends. Includes sizes of the following thicknesses: Length: 6" (150mm)

.008"	.014"	.020"	.027"
.011"	.016"	.023"	.029"
.012"	.017"	.024"	
.013"	.018"	.025"	

F59359



Solid Brass Drift Punch Set

Heavy duty punches for rough jobs.

Non-sparking solid brass won't damage object being struck.

* 3/4" x 14"

F59360



Solid Brass Drift Punch Set

Heavy duty punches for rough jobs.

Non-sparking solid brass won't damage object being struck.

* 5/8" x 8"

F59361



Brass Pin Punch Set
1/2" x 8" (13 x 200mm)

F59362



Brass Pin Punch Set
3/8" x 6" (10 x 150mm)

F59363



Brass Pin Punch Set
1/4" x 4" (6 x 100mm)

F59364



Ford Crankshaft Positioning Tool

* Designed for use on Ford 1993 and newer 4.2L, 4.6L 2-valve, 4.6L 4-valve, 5.4L V-8, and 6.8L V-10 engines when installing timing chains. These engines are not free-wheeling, and if an engine has "jumped time", it is possible the cylinder heads have to be removed because of damage to the valves or pistons.

* Easily installs over the crankshaft and engine front cover alignment dowel to position the crankshaft at top-dead-center: the correct position for timing chain installation.

F59196



Mercedes & BMW Ignition Lock Set

Complete kit for removal and installation for Mercedes and BMW motor vehicles. Stored in a plastic case.

Includes:

- * 2 x Instrument cluster removal hooks for models: 107, 116, 123, 124, 126, 140 & 201.
- * 2 x Radio removal tools for 1992 and newer Mercedes vehicles Models: 140, 129, 202 & 210.
- * 2 x Ignition lock removal tools for models W124 & 201.
- * 2 x Ignition lock removal tools for models W124, 126 & 201. CJ-A.B.C Tool Set

F59196A



Ignition Lock Removal Tool Set

Contains: 2) removal tools for Model W 126;
2) removal tools for Models W 124 & 201.

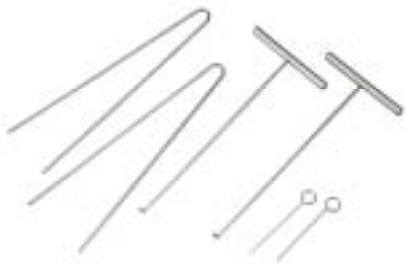
F59196B



Instrument Cluster Tools

Pair of hooks for removing instrument cluster on Mercedes 107, 116, 123, 124, 126, 140 & 201.

F59196AB



Mercedes & BMW Ignition Lock Set

Complete kit for removal and installation for Mercedes and BMW motor vehicles.

Includes:

- * 2 x Instrument cluster removal hooks for models: 107, 116, 123, 124, 126, 140 & 201.
- * 2 x Ignition lock removal tools for models W124 & 201.
- * 2 x Ignition lock removal tools for models W124, 126 & 201.

F59196C



Radio Removal Tool

To radio removal on 1992 and newer Mercedes. Applicable: Models 140, 129, 202 & 210.

F59196D**Mercedes & BMW Ignition Lock & Radio Service Set****F59196E**
Mercedes & BMW Ignition Lock & Radio Service Set
 Complete kit for removal and installation for Mercedes & BMW motor vehicles.
Includes:

- 2*Radio Removal Tools: Mercedes & BMW
- 2*Instrument Cluster Removal Hooks for models: 107, 116, 123, 124, 126, 140, & 201
- 2*Radio Removal Tools for 1992 & newer Mercedes vehicles. Models: 140, 129, 202, 210
- 2*Ignition Lock Removal Tools for models W124 & 201: Mercedes & BMW
- 2*Ignition Lock Removal Tools for models W124, 126, & 201: Mercedes & BMW

F59197**GM Transmission Oil Cooler Line Disconnect Tool**

Specially designed to work in tight places, and so simple to operate you can do it with just one hand. After inserting into the quick-connect fitting, a quarter turn of the tool quickly and easily releases the fitting on the transmission end of the transmission-to-radiator oil cooler line. Works on 2WD and 4WD pickups and vans with electronic shift overdrive automatic transmission.

F59198**Toyota A/C Disconnect Tool**

* Used to release the plastic quick-connect fittings on the high and low pressure air conditioning lines at the evaporator.

* Services 1998- newer Toyota Corolla, 1998- newer Geo Prism, 1998- 1/2- newer Toyota Land Cruiser and Lexus LX470, 1999- newer Toyota Avalon, Camry, Solara, and Sienna mini vans.

* Easy to use: Plastic fitting on A/C line is rotated to show access to the two release holes in the fitting, tool is inserted into release holes and pushed to release the fitting.

F59199**Ball Joint Spanner Wrench**

Designed for removal and installation of ball joint adjusting sleeves on 1/2-, 3/4-, and 1-ton Dana open yoke front axles found on Ford, GM, Chrysler, IHC, and Jeep 4WD vehicles. Tool permits easy torquing with 1" socket for proper upper ball joint preload.

F59365



Chrysler Radio Removal Socket

Removes and installs special tamper- proof screws of Chrysler deluxe radio packages, 1980-current. Ability to reinstall tamper-proof screws after radio servicing protects customer socket fits 1/4" drive ratchet.

F58148A



Small Tailpipe Expanders Set

Heavy-duty tools flare and expand tailpipes. Features exist long hex bar for turning and alloy steel construction. Three sizes fit all automotive applications. Compact 1-1/8"-1-3/4" (29-44mm)

F58148B



Medium Tailpipe Expanders Set

Heavy-duty tools flare and expand tailpipes. Features exist long hex bar for turning and alloy steel construction. Three sizes fit all automotive applications. Compact 1-1/2"-2-1/2" (38-64mm)

F58148C



Large Tailpipe Expanders Set

Heavy-duty tools flare and expand tailpipes. Features exist long hex bar for turning and alloy steel construction. Three sizes fit all automotive applications. Compact 2-1/8"-3-1/2" (54-89mm)

F59201



Air Brake Service Kit

This kit includes the tool needed to remove the air brake push rod clevis pins, and both manual and automatic slack adjusters found on class 7 & 8 tractor and trailer brake systems.

F59201A, B



Manual & Automatic Slack Adjuster Puller

Designed to service all S-cam air brake slack adjusters on the market. Puller F59201A fit all manual types, and the F59201B works on Rockwell, Haldex, Gunitex, and Bendix automatic adjusters. These tools eliminate costly S-cam damage caused by "heat and beat" method. Replacement is accomplished in a fraction of the usual time, These pullers have a rugged forcing screw and cast steel body.

F59201C



Brake Clevis Pin Press

Servicing truck and trailer brake components that are rusted and corroded due to their exposure to the elements can be a challenge. Removing air brake push rod clevis pins is one of those jobs that can eat up time. The clevis pin C-frame press is the answer. This handy screw-operated tool makes short work of the task, applying the force just where it's needed. The pin is easily popped out of the most rusted push rod assemblies.

F59200SAE



Truck Wheel Bearing Locknut Sockets

Each of these sockets has 3/4" square drive opening, permitting the use of an extension and torque wrench to tighten the locknut as required. Locknut removal and installation is simple, even when wide-rim wheels are involved, since a long extension may be attached to the socket to provide the necessary clearance. sockets are made of high-strength steel; openings resist "rounding out"

Socket No	Opening size	Socket No	Opening size
1901	2-3/32"(6pt.)	1909	3-1/4"(8pt.)
1920	2-1/4"(6pt.)	1924	3-3/8"(8pt.)
1902	2-3/8"(6pt.)	1910	3-1/2"(6pt.)
1936	2-3/8"(6R)	1911	3-1/2"(8pt.)
1903	2-3/8"(8pt.)	1925	3-3/4"(8pt.)
1921	2-1/2"(6pt.)	1926	3-3/4"(6pt.)
1904	2-9/16"(6pt.)	1927	3-13/16"(8pt.)
1905	2-9/16"(8pt.)	1912	3-7/8"(6pt.)
1928	2-9/16"(6R)	1913	3-7/8"(8pt.)
1922	2-5/8"(6pt.)	1914	4" (6pt.)
1923	2-3/4"(6pt.)	1915	4-1/8"(6pt.)
1937	2-3/4"(8pt.)	1940	4-1/8"(8pt.)
1932	2-7/8"(6pt.)	1916	4-3/8"(6pt.)
1933	2-7/8"(8pt.)	1917	4-3/8"(8pt.)
1906	3" (6pt.)	1938	4-1/2"(8pt.)
1907	3" (8pt.)	1941	4-13/16"(8pt.)
1934	3-1/8"(6pt.)	1918	4-7/8"(6pt.)
1935	3-1/8"(8pt.)	1919	4-7/8"(8pt.)
1908	3-1/4"(6pt.)	1939	5-1/4"(6pt.)

F59200-7795



Metric Truck Wheel Bearing Locknut Sockets

Socket No.	Opening size
1950M	54mm(6pt.)
1951M	55mm(6pt.)
1952M	60mm(6pt.)
1953M	70mm(6pt.)
1954M	71mm(6pt.)
1955M	80mm(6pt.)
1956M	82mm(8pt.)
1957M	90mm(8pt.)
1958M	94mm(8pt.)
1962M	100mm(8pt.)
1959M	106mm(8pt.)
1960M	110mm(8pt.)
1961M	120mm(8pt.)

F59200-7795



2-1/2" rounded hex locknut socket.

Services 1995-newer Ford F-series 1/2-ton trucks and full-size Bronco with automatic hubs. 3/4" sq. drive.

F59200-7796



2-3/4" rounded hex locknut socket.

Services 1995-newer Ford F-series 3/4- and 1-ton trucks with automatic hubs. 3/4" sq. drive.

F59366



Clutch Pilot Bushing Remover

This blind hole bushing remover uses hydraulic pressure to quickly remove brass and bronze pilot bushings from 1/2" to 3/4" I.D. Not for use on steel bearings.

Instructions:

With 7/8" wrench or socket, screw self-tapping tip 2-3 threads into bushing. Pump out with grease gun.

F59202



Universal Tie Rod Tool

Fits most domestic and import cars and light truck with split tie rod sleeves.

Double-end feature makes 360 degree turns possible in confined spaces.

F58152



4-WD Spindle Puller

Fits all common 4-WD pick-up Spindles stepped design fits 1-1/2", 1-5/8" and 2" spindles. Use with either a 1/2"-20 or 5/8"-18 slide hammer.

F59203



Steering Wheel Remover/Lock Plate Compressor Set

Removing steering wheels of most domestic and imported vehicles, with or without telescoping tilt steering columns, is easy with this new set. You get the steering wheel puller, including five sets of cap screws needed for various thread requirements. The steering wheel lock plate compressor is also included, to compress the steering wheel lock plate to remove or install the snap ring. It accesses the turn signal switch and S.I.R. modules on current GM vehicles. Also works on older GM, AMC, and Chrysler vehicles with tilt or conventional steering columns. Contained

in convenient plastic storage tray.

F59203A

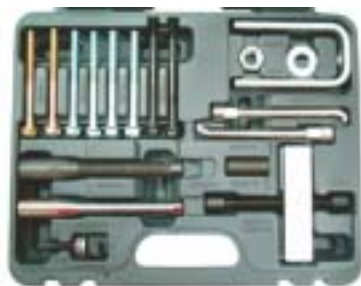


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in convenient plastic storage tray.

F59203B



Steering Wheel Remover/Lock Plate Compressor Set

Removing steering wheels of most domestic and imported vehicles, with or without telescoping tilt steering columns, is easy with this new set. You get the steering wheel puller, including five sets of cap screws needed for various thread requirements. The steering wheel lock plate compressor is also included, to compress the steering wheel lock plate to remove or install the snap ring. It accesses the turn signal switch and S.I.R. modules on current GM vehicles. Also works on older GM, AMC, and Chrysler vehicles with tilt or conventional steering columns. Contained in convenient plastic storage tray.

F58153



10mm & 12mm Spark Plug Rethreader Tap

Use with any standard 13/16" deep socket.

F58154



12mm & 14mm Spark Plug Rethreader Tap
Use with any standard 13/16" deep socket.

F58155



10mm & 14mm Spark Plug Rethreader Tap
Use with any standard 13/16" deep socket.

F58156



14mm Spark Plug Rethreader Tap
Features 5/8" hex and 3/8" square drive. Can be used with Extended Spark Plug Socket.

F58157



14mm & 18mm Spark Plug Thread Cleaning Tool
Use with any standard 13/16" deep socket.

F58157A



Oxygen Sensor Thread Chaser
Cleans Threads in Oxygen Sensor Holes.
Use with 3/4" hex socket or 3/8" square drive. Size: M18x1.5 Also works on M18x1.5 spark plug threads.
IMPORTANT: Use anti-seize.

F59204



Spark Plug Boot Puller

Nylon Stops the Shocks and Beats the Heat and Burns. Helps you pull spark plug wires quickly, easily and without damage to the wire or rubber boots.

F59205



Spark Plug Wire Pliers

Removes spark plug wires safely with insulated handles and jaws. Small indentations in the jaws allow gripping even a bare terminal with engine running. OAL: 7"(18cm)

F59367



Exhaust And Tailpipe Stretcher

- * Pipe stretcher is convenient, inexpensive alternative to hydraulic pipe expanders.
- * Stretches all types of exhaust pipe including stainless steel.
- * Use with impact wrench to quickly stretch pipes for connection.
- * Two collet sets fit pipes from 1-5/8" to 2-7/16"
- * Can be used on the car.

F59206



Remote Starter Switch

Heavy clips with insulated sleeves attach to ground and starter solenoid switch. Thumb activated switch. 6 foot (183cm) heavy insulated wire for long tool life.

F59207



Special Steering Wheel Pullers

For Opel, Ford and many other cars.

F59208**Spark Plug Terminal Pliers**

Safely remove spark plug cables and prevent cable damage. Pliers handles and jaws are coated with a heavy-duty plastic for a sure grip.

F59208A**Heavy Duty Spark Plug Boot Pliers**

This 10" (250mm) long reach spark boot pliers is designed

to remove hard-to-reach spark plug boots. Double insulated to give complete protection against shock. Handle and jaws are double dipped to assure complete coverage of all contact areas. Also for light bulb removal.

Lock Ring (Horseshoe) Pliers

These pliers spread snap lock rings used on brakes, transmissions pedal shafts, clutch shafts and machine tools, Drop forged from alloy steel. Jaws have deep serrations on the outside of tip to hold lock rings secure.

F59208A-1**Heavy Duty Spark Plug Boot Pliers (Straight)**

This 10" (250mm) long reach spark boot pliers is designed

to remove hard-to-reach spark plug boots. Double insulated to give complete protection against shock. Handle and jaws are double dipped to assure complete coverage of all contact areas. Also for light bulb removal.

Lock Ring (Horseshoe) Pliers

These pliers spread snap lock rings used on brakes, transmissions pedal shafts, clutch shafts and machine tools, Drop forged from alloy steel. Jaws have deep serrations on the outside of tip to hold lock rings secure.

F59208B-1**Angle Tip Lock Ring Pliers**

Used to spread snap rings found on brakes, pedal shafts, transmissions, clutch shafts, machine tools, and some piston ring Jaws are scored on outside for secure gripping.

Drop forged alloy steel, polished jaws, nickel-chrome plated.

Tip: Flat, angled, serrated.

Spread: 3/4" (19mm)

Length: 8-1/4" (210mm)

F59208C**Straight Tip Lock Ring Pliers**

Used to spread snap rings found on brakes, pedal shafts, transmissions, clutch shafts, machine tools, and some piston ring Jaws are scored on outside for secure gripping.

Drop forged alloy steel, polished jaws, nickel-chrome plated.

Tip: Flat, straight, serrated.

Spread: 3/4" (19mm)

Length: 8-1/4" (210mm)

F59208D**Flat Nose Retaining Ring Pliers**

- * Works on GM output shaft and 425 chain sprocket.
- * Has additional ring applications.
- * Maximum spread: 1-1/2" (38.1mm)
- * Length: 9-1/4" (235.0mm)

F58158**Ford/GM Quick Disconnected Tool**

(same as Ford No.T82L-9500-AH; and Kent-Moore No.J-36391.) Ford CFI fuel lines w / hair pin connectors; universal for radiator to transmission oil cooler lines; '87 & newer Olds. Toronado; Buick Riviera & Regatta; Cadillac Eldorado, Seville, & Concours; '89 & newer GM 1/2-ton, 3/4-ton, and 1-ton pickups.

F58158A**Transmission Cooler Line and Fuel Line Quick Disconnect Tool**

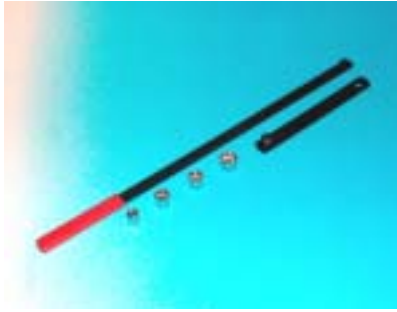
Removes push lock connectors found at both the radiator and transmission. Used on 1983 through current Ford, and the 1982 Lincoln Continental overdrive transmissions. Tool slides down transmission cooler spread the plastic clip apart for easy removal.

F58158B**Disconnect Tool Set**

Two popular disconnect tools in one set gives you the versatility to quickly separate the quick connectors found on everything from radiators to transmission and power steering lines. The quick disconnect coupler tool, No. 400 works on late model Ford and GM vehicles by sliding down the line and into the connector, spreading the clip apart for removal -- without disturbing the quick connect seals. No 400A releases the fingers on the transmission-to-radiator oil cooler line quickly and without damaging the those or connector. Works on 1986 and newer Ford Taurus and Mercury Sables with an AXOD, AOD, or ATX transmission. Each tool is available separated.

F58158C**Chrysler Quick Disconnected Coupler Tool**

F59213



Serpentine Tool

Releases tension on Serpentine Belts with Spring Loaded Idler Pulley. This tool is used to remove and install belts on serpentine belt systems using the spring loaded idler pulley. Fits idler pulleys requiring 13mm, 15mm, 16mm, 18mm, or 3/8" square drive socket size, which are on most all domestic applications. Select proper socket size and position tool idler arm, (handle only is used for 16mm applications.) pulley or pull to relieve tension.

F59213A



Serpentine Belt Tool

Tool is used to release tension on Serpentine Belt Self-Adjusting Idler Pulleys and push or pull to release tension.

Description Use on

F59213AA



3/8" Driver Bar for socket and crowfoot wrenches Ford 1.9 and 2.3L; GM 3.1L
 1/2" Square Driver Bar Chrysler 2.5 and 3.0L; Ford 4.6L
 3/8" Drive 6 point 15mm skt. Ford 3.0 and 3.8L; Chrysler 3.0.

Serpentine Belt Tool

Tool is used to release tension on Serpentine Belt Self-Adjusting Idler Pulleys and push or pull to release tension.

Description Use on

F59213B



3/8" Driver Bar for socket and crowfoot wrenches Ford 1.9 and 2.3L; GM 3.1L
 1/2" Square Driver Bar Chrysler 2.5 and 3.0L; Ford 4.6L
 3/8" Drive 6 point 15mm skt. Ford 3.0 and 3.8L; Chrysler 3.0, 3.3 and 3.8L; GM 2.2, 2.8, 3.8 and 4.0L.

Serpentine Belt Tool

Additional sockets and extension expand application to cover most domestic models. Used to remove and install belts on serpentine systems using spring loaded idler pulley. Fits pulleys requiring 13, 14, 15, 16 and 18mm hex, and both 3/8" and 1/2" square drive sizes. Two extensions can be bolted on for hard to reach areas.

F59213C



Serpentine Belt Tool

Applications:
 13mm Socket-GM Quad Four Engine
 13mm Socket (on handle)-Late model GM Quad Four Engine
 14mm Socket-1.9 Liter Saturn
 15mm Socket-Some GM and Chrysler
 15mm Socket (on long extension)-3.3 Liter Chrysler
 16mm Socket (on handle & long extension)-3.8 Liter Ford
 16mm Socket- 4.0 Liter Ford
 18mm Socket - GM 3800 Engine
 3/8" Square Drive Socket - 3.1 Liter GM
 1/2" Square Drive Socket - Late Model GM and Ford
 Short Extension - Allows easier access on some Fords

F59213D**Serpentine Belt Tool**

Applications:

13mm Socket-GM Quad Four Engine
 13mm Socket (on handle)-Late model GM Quad Four Engine
 14mm Socket-1.9 Liter Saturn
 15mm Socket-Some GM and Chrysler
 15mm Socket (on long extension)-3.3 Liter Chrysler
 16mm Socket (on handle & long extension)-3.8 Liter Ford
 16mm Socket- 4.0 Liter Ford
 18mm Socket - GM 3800 Engine
 3/8" Square Drive Socket - 3.1 Liter GM
 1/2" Square Drive Socket - Late Model GM and Ford
 Short Extension - Allows easier access on some Fords

F59213E**Serpentine Belt Tool**

Tool is used to release tension on Serpentine Belt Self-Adjusting Idler Pulleys and push or pull to release tension.

Description Use on

3/8" Driver Bar for socket and crowfoot wrenches	Ford 1.9 and 2.3L; GM 3.1L
1/2" Square Driver Bar	Chrysler 2.5 and 3.0L; Ford 4.6L
3/8" Drive 6 point 15mm skt.	Ford 3.0 and 3.8L; Chrysler 3.0, 3.3 and 3.8L; GM 2.2, 2.8, 3.8 and 4.0L
3/8" Drive 6 point 16mm skt.	Ford 3.8 and 4.0L
3/8" Drive 6 point 18mm skt.	GM 3800
3/8" Drive 13mm crowfoot wrench	GM Quad Four Engine
3/8" Drive 14mm crowfoot wrench	Saturn Engine
3/8" Drive 15mm crowfoot wrench	Ford Windstar with 3.8L Engine

F59213F**Serpentine Belt Tool**

Tool is used to release tension on Serpentine Belt Self-Adjusting Idler Pulleys and push or pull to release tension.

Description Use on

3/8" Driver Bar for socket and crowfoot wrenches	Ford 1.9 and 2.3L; GM 3.1L
1/2" Square Driver Bar	Chrysler 2.5 and 3.0L; Ford 4.6L
3/8" Drive 6 point 15mm skt.	Ford 3.0 and 3.8L; Chrysler 3.0, 3.3 and 3.8L; GM 2.2, 2.8, 3.8 and 4.0L
3/8" Drive 6 point 16mm skt.	Ford 3.8 and 4.0L
3/8" Drive 6 point 18mm skt.	GM 3800
3/8" Drive 13mm crowfoot wrench	GM Quad Four Engine
3/8" Drive 14mm crowfoot wrench	Saturn Engine
3/8" Drive 15mm crowfoot wrench	Ford Windstar with 3.8L Engine

F58160**Exhaust Manifold Spreader**

For reinstalling the manifold on small block Chevrolets. A simple way to expand a warped manifold so all bolt holes are accurately aligned helps prevent cross-threading of manifold bolts. Work best when used in pairs or install before removing manifold to prevent misalignment.

F59215**Deluxe Hubcap & Wheel Lock Remover Kit**

Set includes the following:

- * Dual sided tapered lug nut socket 7/8"(22mm) to 1-1/8"(28mm)
- * Dual sided tapered lug nut socket 3/4"(19mm) to 15/16"(24mm)
- * Dual sided twist thread socket 3/4" (19mm) to 13/16"(21mm)
- * Hole through socket 15mm
- * GM spline hubcap lock remover 14mm
- * Single end socket 15mm
- * Ford/Chrysler hubcap lock remover 14mm
- * Extractor Punch
- * Socket Installing Driver

F59215A**Deluxe Hubcap & Wheel Lock Remover Kit**

Set includes the following:

- * Dual sided tapered lug nut socket 7/8"(22mm) to 1-1/8"(28mm)
- * Dual sided tapered lug nut socket 3/4"(19mm) to 15/16"(24mm)
- * Dual sided twist thread socket 3/4" (19mm) to 13/16"(21mm)
- * Hole through socket 15mm
- * GM spline hubcap lock remover 14mm
- * Single end socket 15mm
- * Ford/Chrysler hubcap lock remover 14mm
- * Extractor Punch
- * Socket Installing Driver

- * Locking Wheel Nut Remover 2 Pieces
1/2" dr. sq. 13/16" x 38mm
1/2" dr. sq. 1" x 38mm

F59215B**Deluxe Hubcap & Wheel Lock Remover Kit**

F59215B-1 Ford & Chrysler Hubcap Locks.

F59215B-2 GM Spline Hubcap Locks.

F59215B-3 GM Hubcap Locks.

F59215B-4 Stripped 18mm Lug Nuts, GM Hubcap Locks, Ford Wheel Locks.

F59215B-5 CORVETTE, GM, "N" and "F" Body Wheel Locks. GM Hubcap Locks.

F59215B-6 Standard Wheel Locks, Large GM Wheel Cover Locks.

F59215B-7 Oversize Wheel Locks.

F59215B-8 Extractor Punch.

F59215B-9 Chrysler Hubcap Lock.

F59215C**13Pc. Deluxe Wheel Lock Removal Kit**

- Most extensive wheel lock removal set on the market.
- New sockets provide additional coverage for some damaged wheel lugs as well as odd-sized wheel locks not previously covered.
- In addition to the wheel locks contained in the CJ-430B, this kit adds:
 - * Socket for 18mm stripped nuts, Corvette, & GM wheel locks.
 - * Socket for 19mm, 3/4" damaged wheel lugs and oversized wheel locks.
 - * Socket for 7/8" damaged wheel lugs and oversized wheel locks.
 - * 3" extension

F58111**Round "Key Chain" Spark Plug Gauge**

This popular solid steel spark plug gauge is designed with a tapered edge for gauging sparkplugs and with a flanged hole to adjust the side wire of plugs without pressuring center electrode. Marked in standard and metric sizes. Used to gap all plugs from .020 to .100 (0.5 to 2.53mm).

F59217



S.A.E. Clutch Alignment Tool

Faster, easier replacement of clutches. Align clutch plates and pilot bearings accurately. Shaft and bushings provide an accurate fit for eight pilot bearing sizes. Two turned sizes (1" and 1-1/8") fit 90% of the clutch plates and cone handles the rest.

Metric Clutch Alignment Tool

For faster, easier replacement or repair of metric clutches. Tool consists of the shaft, ten pilot bushings and two plate alignment cones with graduated turned diameters for "automatic" fit of most metric clutch plates. A tapered cone to fit all others is provided.

F59218



Universal Bearing Packer

Fast, efficient, thorough. Simply place the bearing between the plastic cones, tighten, and apply grease through the fitting on the end of the threaded shaft. Forces out old grease and evenly injects fresh grease. Cone diameter is 5".

F59209



4pc Super Scraper

Works Like a Chisel

- * Tough plastic handle can be hit with a hammer!
- * Resharpener when needed with a file!
- * Sizes: 3/4", 7/8", 1", 1-1/2"

ITEM NO	SIZE	LONG
F59209-19	3/4"	10-3/4"
F59209-22	7/8"	10-3/4"
F59209-25	1"	10-3/4"
F59209-38	1-1/2"	10-3/4"

F59219S



Saginaw Tie Rod Sockets

These sockets remove and install inner tie rods on GM and Chrysler vehicles with saginaw-type tack and pinion steering. Use in conjunction with Cal-Van No.21 Inner Tie Rod Tool. 1-7/8"(48mm)

- F59219S-1 1-3/16" socket
- F59219S-2 1-5/16" socket
- F59219S-3 1-7/16" socket

F59219M



Saginaw Tie Rod Sockets

These sockets remove and install inner tie rods on GM and Chrysler vehicles with saginaw-type tack and pinion steering. Use in conjunction with Cal-Van No.21 Inner Tie Rod Tool. 1-7/8"(48mm)

- F59219M-1 30mm
- F59219M-2 34mm
- F59219M-3 36mm

F59220**7PC A/C, Fuel Line Disconnect Set**

Includes seven tools for disconnecting spring couplings on Ford, GM, and Chrysler air conditioning lines. Also works on fuel lines and can be used as push lock connectors on radiator and transmission lines.

Size include: 1/4", 5/16", 3/8", 1/2", 5/8", 3/4", 7/8".

F59220A**Deluxe Fuel Line Disconnect Tool Set**

3Pc. External Disconnect Tool Set to suit: VT & later Commodore, AU & later Falcon, TJ & later Magna, GM Opel & Vectra.

Plus: 7Pc. Internal Disconnect Tool Set

Sizes: 1/4", 5/16", 3/8", 1/2", 5/8", 3/4", 7/8".

Works on all spring lock fuel line couplings fitted to today's EFI engines, also used on air conditioning lines.

F59221**Rethreader Kit For 14mm Spark Plugs**

Includes the following-also available separately:

F59221-1 Tap and Reamer

F59221-2 Insert - 3/8" long

F59221-3 Insert - 7/16" long

F59221-4 Insert - 1/2" long

F59221-5 Insert - 3/4" long

F59221A**Rethreader Kit For 14mm Spark Plugs**

Includes the following-also available separately:

F59221A-1 Tap and Reamer

F59221A-2 Insert - 3/8" long

F59221A-3 Insert - 7/16" long

F59221A-4 Insert - 1/2" long

F59221A-5 Insert - 3/4" long

F59221B**Rethreader Kit For 18mm Spark Plugs**

Includes the following-also available separately:

F59221B-1 Tap and Reamer

F59221B-2 Insert - 7/16" long

F59221B-3 Insert - 1/2" long

F59221B-4 Insert - 5/8" long

F59221B-5 Insert - 13/16" long

F59221-1**Inner Tie Rod Tools**

For installing and removing the Inner Tie Rod without removing the rack from the car. Long hollow socket slips right over the tie rod to easily reach the nut. Two sizes to fit most applications. F59222 has 1-3/16" Hex, Fits some Ford, Renault. F59222 also has 1-5/16" Hex, fits GM, Chrysler, American Motors and some Ford.

F59222AM**Inner Tie Rod Removal Set**

Remove and install inner tie rods without removing steering gear. Adapters fit into the tie rod socket. 1/2" drive ratchet fits drive end. Kit services both old and new style inner tie rods. Use 520 socket alone to work on older Ford and Chrysler vehicles. Use socket and 30mm adapter for Ford FWD vehicles with rack and pinion power steering with new style tie rods, use socket and 34mm adapter for Ford RWD and most Chrysler vehicles with rack and pinion power steering with new style tie rods. The socket with

the 36mm adapter services GM and Chrysler car with Saginaw steering gear.

F59222AS**Inner Tie Rod Removal Set**

Remove and install inner tie rods without removing steering gear. Adapters fit into the tie rod socket. 1/2" drive ratchet fits drive end. Kit services both old and new style inner tie rods. Use 520 socket alone to work on older Ford and Chrysler vehicles. Use socket and 1-3/16" adapter for Ford FWD vehicles with rack and pinion power steering with new style tie rods, use socket and 1-5/16" adapter for Ford RWD and most Chrysler vehicles with rack and pinion power steering with new style tie rods. The socket with

the 1-7/16" adapter services GM and Chrysler car with Saginaw steering gear.

F59222-2**Inner Tie Rod Socket Tool**

For installing and removing the Inner Tie Rod without removing the rack from the car. Long hollow socket slips right over the tie rod to easily reach the nut. Two sizes to fit most applications. CJ-520A1 has 1-3/16" Hex, Fits some Ford, Renault. CJ-520A1 also has 1-5/16" Hex, fits GM, Chrysler, American Motors and some Ford.

F59222BM**Inner Tie Rod Removal Set**

Remove and install inner tie rods without removing steering gear. Adapters fit into the tie rod socket. 1/2" drive ratchet fits drive end. Kit services both old and new style inner tie rods. Use 520A1 socket alone to work on older Ford and Chrysler vehicles. Use socket and 30mm adapter for Ford FWD vehicles with rack and pinion power steering with new style tie rods, use socket and 34mm adapter for Ford RWD and most Chrysler vehicles with rack and pinion power steering with new style tie rods. The socket with

the 36mm adapter services GM and Chrysler car with Saginaw steering gear.

F59222BS**Inner Tie Rod Removal Set**

Remove and install inner tie rods without removing steering gear. Adapters fit into the tie rod socket. 1/2" drive ratchet fits drive end. Kit services both old and new style inner tie rods. Use 520 socket alone to work on older Ford and Chrysler vehicles. Use socket and 1-3/16" adapter for Ford FWD vehicles with rack and pinion power steering with new style tie rods, use socket and 1-5/16" adapter for Ford RWD and most Chrysler vehicles with rack and pinion power steering with new style tie rods. The socket with

the 1-7/16" adapter services GM and Chrysler car with Saginaw steering gear.

F59224**GM Power Steering Pump Pulley Installer**

Easily installs power steering pump pulley without damage to pump shaft or pulley. Required tool for: 1988 thru current GM Quad 4 engines; 1990-current Chevrolet, Lumina APV, Oldsmobile, Silhouette, and Pontiac Trans, Sport mini vans; 3.1L V6 engines on 1991 -current Chevrolet Lumina sedans, Pontiac Grand Prix, Oldsmobile Cutlass Supreme and Buick Regal.

F59224A**Ford Power Steering Pump Pulley Installer**

The 4.6L modular engine that Ford and Mercury use on the 1991 and newer models presents special problem of its own when it comes to installing the power steering pump pulley. Installer F59224A is a required tool to ensure that the pulley or pump shaft are not damaged during installation. Threads are 8mm to fit the metric threads on the Ford C111 pump.

F59224B**GM Power Steering Pump Pulley Service Kit**

Remove and install the power steering pump pulley easily and without damaging the pump shaft or pulley. Kit includes F59224A, F59224B

F59224C**GM Power Steering Pump Pulley Installer**

This tool offers easy, damage-free installation of power steering pump pulleys. It works on 1988-'95 GM Quad 4 engines; 1990-'94 Chevrolet Lumina APV, Oldsmobile Silhouette, and Pontiac Trans Sport vehicles; 1990-'94 3.1L V-6 engines; 1994- newer 3100 GM V-6; 1999- newer 3400 GM V-6. Threads are 3/8-16" to fit pulley shaft threads.

F58164**Shock Absorber Socket**

For X and J body GM cars. Fits 6.1mmx8mm double D" stem found on many General Motor OEM shocks. 3/8" drive.

F59226**Universal Shock Absorber Tool**

For removing and installing shock nuts. Two stem sockets to fit most all shock stems. The nut socket is double-ends to fit most shock nuts.

F58165**Snap In Tire Valve Installer**

Steel constructed tool with deep threaded head for positive sealing of all snap-in type passenger car tire valve stems.

F58166**Ford Fuel Line Coupling Tool**

The best way to get easy, frustration - and damage-free fuel line separation. The tool's fingers slip into the fuel line coupling, depressing the retaining collar as they go. The tool works on 1990 and newer Ford Rangers and Explores having 4.0L, 6-cylinder engines.

F58167**Grease Cap Pliers**

Grease and hub cap tool. Tapered jaws of the tool fit behind the crimped edge of the grease cap preventing damage while removing it from the hub. Opposite end handle hook removes wheel hub caps.

F58167A**Grease Dust Cap**

Grease and dust cap tool. Tapered jaws of tool fit behind the crimped edge of dust cap. One handle is designed for prying hub cap loose.

F59227**One Man Brake Bleeder Kit**

Deluxe Kit will service calipers, wheel cylinders and master cylinders. Includes fluid collection bottle with extra-strong magnet (for convenient attachment to car). Set of those and special tapered fittings.

F59228**Brake Cylinder Retainer Remover**

For GM X and J body cars. Expands and holds this special retainer so the brake cylinder may be removed. Insert the tool tips into the retainer ring and expand by returning the knob.

F59210AB**Non-Sparking Brass Punches**

Ideal for use where sparks from ferrous metal could be hazardous or where precision metal parts could be damaged by using steel punches. The ends of this soft brass punch will mushroom with normal use and should be redressed regularly.

* Includes an 8" punch (5/8" hex, tapered to 3/8") and 10" straight punch(3/4" dia., chamfered at both ends.)

F59210A**Brass Taper Punch**

8" (203mm) Long, 5/8" hex-tapered to 3/8"

F59210B**Brass Bar Punch**

10" (254mm) Long, 3/4" diameter, chamfered both ends.

F58170**Disc Brake Piston Tool**

* This "cube" tool rotates pistons back into brake calipers when replacing brake pads on vehicles with rear wheel disc brakes.

* Tool has 3/8" square drive, provides six drive pin configurations to fit most cars and light trucks. This updated version fits more applications than many competitors.

F59229**One-Man Brake Bleeder**

Simple to use, one man bleeder, everything needed to quickly bleed brakes with no mess. Plastic bottle collects discharged fluid. Complete instruction.

F59230**One-Man Brake Bleeder**

Simple to use, one man bleeder, everything needed to quickly bleed brakes with no mess. Plastic bottle collects discharged fluid. Complete instruction.

F58171**Brake Spring Washer Tool**

Fits both large and small washers. Troublesome brake shoe retaining spring washers can now be easily removed and then reinstalled. Wide "window" allows better visibility to align the nail and washer slot.

F59231**One Man Brake Bleeder Hose**

One-way check valve built into hose allows user to control flow of brake fluid from wheel cylinders while pressing brakes. Features universal spring clamp and clear hose to view bubbles.

F59232**Brake Shoe Retaining Spring Compressors**

Removes brake shoe retaining spring washers 5/8" to 11/16" (16-17mm) diameter. Use on late model compact cars and light trucks. Place tapered end over brake spring retaining washer. Push tool in and rotate 1/4" turn to release pressure and remove spring. Reverse to install.

F59232A**Brake Spring Washer Tool**

Remove and install brake spring washers 5/8" to 7/8" in diameter. Fits both large and small brake spring washers.

F59232B**Brake Spring Tool**

For a wide variety of drum brake springs. Wide window allows clear view of button.

- * Bright plated metal
- * Double end
- * Fluted red handle

F59232BB**Brake Spring Tool**

For a wide variety of drum brake springs. Wide window allows clear view of button.

- * Bright plated metal
- * Double end
- * Fluted red handle

F59232C**Brake Spring Tool**

- * Designed for import car brake return springs.
- * Removes and installs import brake return springs.
- * Also works on domestic brakes that don't use an anchor pin.
- * Engage brake spring in tool head, turn handle to lock on spring, and expand spring to install or remove.

F59232D**Brake Retainer Spring Tools**

Special head configuration easily engages and removes smaller diameter retaining spring found on the brake assemblies on newer, smaller vehicles.

F59232E**Bendix Brake Spring Remover/Installer**

Special head configuration easily removes brake retaining springs on drum brake assemblies found on many full-size cars and light trucks.

F59232F**Brake Spring Installer Tools**

The angled shank and special notch in the tool's tip simplifies the task of installing brake springs on 1979 to current GM vehicles.

F59234**Ford In Maton Wrench**

Features T-20

F59235**Pulley Puller And Installer Set**

Remove pressed-on alternator and power steering pulleys on late-model GM, Ford and Chrysler engines. The threaded end installs late-model GM alternator and power steering pulleys. Including Quad 4. Reverse the jaws to pull the alternator internal bearing. The puller fits some AMCs.

- *Replacement part: 700-01 Puller Body (Letter A)
- *Replacement part: 700-02 Jaw and Sleeve Assembly (Letter B)
- *Replacement part: 700-03 Jackscrew (Letter C)
- *Replacement part: 700-04 Button (Letter D)
- *Replacement part: 700-05 Bearing and Washer (Letter E and F)
- *Replacement part: 700-06 Puller Pin for Quad 4 (Letter G)
- *Replacement part: 700-07 Screw Installer for Quad 4 (Letter H)
- *Replacement part: 700-08 Puller Pin for GM 3.1 (Letter J)
- *Replacement part: 700-09 Screw Installer for GM 3.1 (Letter K)
- *Replacement part: 700-10 Screw Installer for Ford 4.6 (Letter M)
- *Replacement part: 700-11 Screw Installer for Others (Letter N)

F59236**Pulley Puller And Installer Set**

Remove pressed-on alternator and power steering pulleys on late-model GM, Ford and Chrysler engines. The threaded end installs late-model GM alternator and power steering pulleys. Including Quad 4. Reverse the jaws to pull the alternator internal bearing. The puller fits some AMCs.

- *Replacement part: 700-01 Puller Body (Letter A)
- *Replacement part: 700-02 Jaw and Sleeve Assembly (Letter B)
- *Replacement part: 700-03 Jackscrew (Letter C)
- *Replacement part: 700-04 Button (Letter D)
- *Replacement part: 700-05 Bearing and Washer (Letter E and F)
- *Replacement part: 700-06 Puller Pin for Quad 4 (Letter G)
- *Replacement part: 700-07 Screw Installer for Quad 4 (Letter H)
- *Replacement part: 700-08 Puller Pin for GM 3.1 (Letter J)
- *Replacement part: 700-09 Screw Installer for GM 3.1 (Letter K)
- *Replacement part: 700-10 Screw Installer for Ford 4.6 (Letter M)
- *Replacement part: 700-11 Screw Installer for Others (Letter N)

F59237**Piston Ring Installer**

Save by reducing ring breakage. Tapered jaws to remove and install most passenger car and light truck rings from 3/64" to 1/4" (1.2 - 6.3mm)

F59238**Cummins Water Pump Pulley Remover/Installer**

This heavy-duty tool is designed for use on water pumps found on Cummins L10 and M11 engines. Installer includes a rugged thrust bearing that allows for friction-free pulley installation without damaging pump components.

F58172**VW Drain Plug Socket**

17mm x 3/8" square drive for removing and installing Volks transmission chain plugs. Recessed for full wrenching engagement over magnet 3/8" female square drive and 17mm male hex alloy steel heat-treated and zinc plated socket is 1-1/4" (32mm) long. Not for impact use.

F59239**Ford 4WD Caster/Camber Sleeve Puller**

Removes rusted and seized bushings before resetting the caster/camber, and easily pulls most aftermarket and OE bushing on Ford 4WD vehicles. It's the only tool available that works on any angle OE bushing, removing them quickly and without breaking the ears off. Applications: 1980-current full-size F-and E-series vans and pickups, and Broncos;

1983-89 Ranger and Bronco II. Two horseshoe adapters are included to pull most aftermarket bushing with removable retaining rings.

F59211**Truck Tie Rod Socket**

Designed for use with 3/4" drive impact wrench, this rugged socket makes inner and outer tie rod end removal a simple task. Fits tie rods on 12,000 through 16,000 lb. truck front axles.

F59240**"Air Holds" For Overhead Valves**

Here is a long needed tool to make Overhead Valve repairs without removing the cylinder head. Set of 14mm and 18mm with 1/4" pipe thread for any quick coupler. It lets air do the work.

F58173**Gland Nut Wrench**

Fully adjustable to fit hydraulic cylinders on vehicles having gland nuts from 1" to 3-3/4" (25-95mm) in diameter. It also reverses to work on either 1/4" or 7/32" pinholes. Use with 1/2" square drive to tools.

F58241**Disc Brake Caliper Rolt Tools**

These sockets are designed for easy removal of Ford and GM caliper Torx bolts. Features Torx Bit set into bolt head recess to help maintain alignment. Reduce slippage and increase torque yield. Made of heat treated alloy steel.

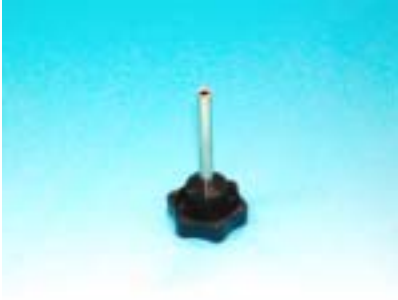
CJ-780-40 Ford, T-40, 3/8"drive. Fit Tempo, Taurus, Sable, late model T-Birds and Cougar.

CJ-780-45 Ford, T-45, 3/8"drive. Fits T-Bird, Cougar, LTD. Crown Victoria. Mustang, Granada thru 1988

CJ-780-50 Ford, T-50, 3/8"drive. Fits T-bird, Cougar, LTD. Crown Victoria. Mustang. Granada thru 1988

CJ-780A Ford, 3 pieces Kit includes CJ-780-40, CJ-780-45 CJ-780-50.

CJ-780B GM, 2 pieces Kit includes CJ-780-45, CJ-780-50

F58174**Headlight Adjuster For Ford**

Fits 4mm hex headlight adjusting bolts on late model Ford, Mercury and Lincoln cars and pick-ups with aerodynamic headlight.

F58175**Adjustable Gland Nut Wrench**

- * Fits hydraulic cylinders on vehicles with gland nuts from 2" - 6"(51-152mm) in diameter, pin to pin.
- * Reverses to work on 1/4" or 5/16" pinholes.
- * Use with 3/4" square drive ratchet or breaker bar.
- * Fits most farm and construction equipment.

F59242**Spark Gap Tester**

Provides instant diagnosis of ignition problems -- whether a faulty coil, ignition wire or spark plug. Plugs into coil to measure jump of spark from 0 to 40,000 volts. Works hands-free and can be used as a troubleshooting tool for road tests.

F59243**GM Steering Wheel Puller Legs**

GM eliminated the tapped holes in the steering wheel assembly on late model cars and vans, making these puller legs the only way to remove the wheel without damage. They're used with CJ-270 steering wheel puller to get behind the steering wheel assembly to give a straight, even pull. Works on: Pontiac: 1988-93 Lemans; 1977-current Grand Prix, Trans Sport van.

F58243A**GM Steering Wheel Puller Leg Set**

GM eliminated the tapped holes in the steering wheel boss on late model cars and vans, making these puller legs the only way to remove the wheel without damage.

Length: 4.1/4"(110mm)

F58243B**GM Crankshaft Balancer Puller Adapter Set**

The shoulder bolts are designed to prevent them from being installed too deeply, protecting the crank sensor, and interrupter rings from damage. The spacer adaptor gives the forcing screw something to push against. For use with any flange puller for removal of GM 1990 - current 3.3L & 3.8L V6 engines. Adaptor set consists of the spacer adaptor & shoulder bolts only.

F59179A**Miscellaneous -- Harmonic Balance Installer**

Includes eight adapters for use on a wide range of engines. Adapters sizes are 7/16"-20, 1/2"-20, 9/16"-18, 5/8"-18, 3/4"-16, M12x1.5, M14x1.5 and M16x2.0.

F59179B**Harmonic Balancer Installer**

Installs Harmonic Balancers or Drive Pulleys that are Pressed on the Crankshaft.

This set includes a driving screw, thrust bearing and threaded adapters necessary to work on a wide range of domestic and some import harmonic balancers.

F59179C**Harmonic Balance Installer**

Includes eight adapters for use on a wide range of engines. Adapters sizes are 7/16"-20, 1/2"-20, 9/16"-18, 5/8"-18, 3/4"-16, M12x1.5, M12x1.75, M14x1.5 and M16x2.0.

F59245**CV Dust Boot Clamp Pliers**

Special tips on pliers allow mechanic to grip clamp in many positions and to tighten clamp around the boot. Designed for notched clamps 7-1/4" (184mm). OAL.

F59246



Windshield Molding/Door Handle Clip Pliers

For removing most windshield molding clips and door handle clips. Releases clips to remove chrome molding on most windshield and rear glass. Offset handle permits easy access to molding clips. Clips under door handle without damage to panel material.

F59212



Truck Pinion Locknut Sockets

Seven sockets, engineered with the proper clearance to fit the yoke and locknut assembly on a wide variety of truck transmissions/differentials. Sockets have 3" of usable depth, 4" overall length. Eliminates the need to grind or modify a standard socket to provide the necessary clearance.



Yoke Size	A	B	C	D	E
2"	69.84	67.31	76.2	25.91	104.14
2-1/8"	62.89	71.37	76.2	25.91	104.14
2-1/4"	66.04	75.95	76.2	25.91	104.14
2-3/8"	70.5	80	76.2	25.91	104.14
2-1/2"	72.6	83.06	76.2	25.91	104.14
2-5/8"	76.66	86.87	76.2	25.91	104.14
2-3/4"	77.88	91.44	76.2	25.91	104.14
3"	84	101.30	76.2	25.91	104.14
3-1/8"	88.01	105.58	76.2	25.91	104.14

F59247



Truck Clutch Alignment Tools

These truck clutch tools are available in the three most popular sizes: 1-1/2", 1-3/4", and 2" O.D. 10-spline shafts. Each tool is constructed of a lightweight fiberglass-reinforced nylon body that won't hang up in the clutch disc spines. Each tool is designed to provide a perfect fit to the spine of the clutch disc. Easily supports heavy pressure plates.

- FWT No. Truck Clutch alignment shaft
- F59247-1 1-1/2" O.D. 30mm pilot. Wt.10 oz.
- F59247-2 1-1/2" O.D. 1" pilot. Wt.10 oz.
- F59247-3 1-3/4" O.D. 1-1/4" pilot. Wt.11 oz.
- F59247-4 2" O.D. 1-1/4" pilot. Wt.13 oz.
- F59247-5 1-3/4" O.D. 1" pilot. Wt.7 oz.

F59248



Pulley and Gear Puller

Ideal for servicing crankshaft pulleys and gears and timing gears on a wide range of gasoline and diesel engines including Cummins accessory drive and water pumps. Includes two each 1/8"-16 x 3", 5/16"-18 x 2-1/2" and M10-1.5 x 65mm bolts.
Spread: 1-1/2" to 5"
Reach: Variable
Pressure screw: 3/4-16 x 5"

F59249



Timing Gear Puller

Designed to pull timing gears, and all other gears with sliding jaws enable tool to handle gears of many width 1"(25mm) square, 4"(102mm) side screws 5/16"-18 width of body 5" (127mm). Length of center screw 5-7/8"(149mm). This tool may be used with No.920 Bearing splitter.

F59250**Seal Puller**

Use tool to remove oil and grease seals on automobiles and light trucks. Puller has 2 tip sizes for most applications. To use, insert tip behind seal and use leverage to remove. Do not use as a striking tool. For intended use only.

F59214S**GM Battery Terminal Wrench**

Ratcheting box wrench design for use on GM side terminal batteries. 5/16" hex, 5-1/2" long.

F59214S- 10mm

F59214S- 8mm

F59214L**Side Terminal Battery Wrench**

Extra long 9-3/4" length makes this tool indispensable when connecting/disconnecting battery side terminals on 1994 and later Ford Aerostar vans and GM vehicles including: 1994 and later Pontiac Grand AM, Lumina APV, "W" body cars,

F59214L- 10mm

F59214L- 8mm

F59214C**Ratchet Wrench****F58176****Tie Rod Adjusting Tool**

Permits 360 rotation of sleeve for required adjustment. Four-position feature fits you locate tool to grip sleeve properly, even when access is limited. Universal services most models of impact and standard-size passenger cars and light truck.

F59251**1" Drive 5 PCs Budd Wheel Socket Set**

Metric sizes for Isuzu, Hino, Mitsubishi Fuso and Import trucks, fit front and rear axles wheel. 1-1/2" hex budd wheel socket for American-made trucks. With dual rear wheels. These sockets work on the import truck budd wheels, their extra deep design lets you remove both nut and stud with just the one socket. They are usable with a 1" square impact wrench.

FWT No.	Description
F59251-1	33mm hex budd wheel socket. For Mack Midliners, white Volvo and other import trucks w/dual rear wheel Wt. 1lbs., 8 oz.
F59251-2	35mm hex wrench. Wt., 2lbs
F59251-3	1-1/2" hex budd wheel socket. For American-made trucks w/dual rear wheels. Wt. 2 lbs, 8 oz.
F59251-4	38mm hex wrench. Wt 2 lbs., 8 oz.
F59251-5	41mm hex wrench. Wt 2 lbs., 14 oz.

F58177**Oxygen Sensor Wrench**

Needed for servicing today's computer-controlled vehicle systems. Easily removes the oxygen sensor located in the exhaust manifold. Heat treated cast steel. Has 7/8" hex, 1/2" square drive (double square for easy access).

F59252**Brake Spring Pliers**

Tool easily removes and installs shoe return springs on most drum brakes. Socket end removes spring from anchor stud and notched end installs spring on anchor. Tool is chrome plated to resist rust and provide easy clear-up.

F58252A**Brake Spring Pliers**

Tool easily removes and installs shoe return springs on most drum brakes. Socket end removes spring from anchor stud and notched end installs spring on anchor. Tool is chrome plated to resist rust and provide easy clear-up.

F58252B**Brake Spring Pliers**

Tool easily removes and installs shoe return springs on most drum brakes. Socket end removes spring from anchor stud and notched end installs spring on anchor. Tool is chrome plated to resist rust and provide easy clear-up.

F59252C**Brake Spring Pliers**

Tool easily removes and installs shoe return springs on most drum brakes. Socket end removes spring from anchor stud and notched end installs spring on anchor. Tool is chrome plated to resist rust and provide easy clear-up.

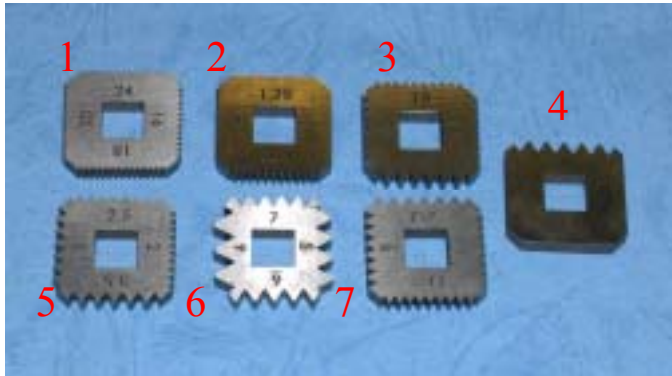
F59253**1/2" Drive 7 PCs Wheel Bearing Locknut Sockets Set**

F59253A-- 55mm hex locknut socket designed for use on front wheel adjusting nuts found on Toyota EJ, LN , and AN models.
F59253B--2-3/8" hex locknut socket works on 1984-92 Ford Rangers & Bronco II with automatic locking hubs.
F59253C--2-1/2" hex locknut socket fits hex nut found on rear axles and various front axles application on light -duty trucks.
F59253D--2-1/2" rounded hex locknut socket. Works on 1995-96 Ford F/150 trucks and full-sized Broncos with automatic locking hubs.
F59253E--2-3/4" rounded hex locknut socket. Works on 3/4 and 1-ton Ford F-250 and F-350 trucks with automatic locking hubs.
F59253F -- 2-9/16" rounded hex locknut socket. Works on 1900-1993 Dodge trucks with Dana 60 manual hubs.
F59253G -- 2-3/8" rounded hex locknut socket. Work on 1990-newer Ford Bangers, Bronco IIs, and Explorers with automatic locking hubs.

H58034

牙片

Square Thread Tap Set



說明:

H58034-1 : 16P / 18P / 20P / 24P.

H58034-2 : 1P / 1.25P / 1.5P / 1.75P.

H58034-3 : 8P / 10P / 12P / 14P.

H58034-4 : 4P

H58034-5 : 2P / 2.5P / 3P / 3.5P.

H58034-6 : 4P / 5P / 6P / 7P.

H58034-7 : 7.5P / 9P / 11P / 11.5P.

H59042

磁性底座可調式水平儀

Magnetic Adjustable Camber Gauge



說明:

It has a simple leveling adjustment of $\pm 3^\circ$.
Housed in a durable, non-magnetic casing with a magnetic head that attaches firmly to rotors or spindles.

- Time/money saving device
- Return a strut to its original camber after repair or replacement.
- Measure camber change before reinstalling alignment heads during camber kit installation.
- Check the amount of camber change before reinstalling tire and wheel assemblies on trucks receiving offset alignment bushings.



H58141

INJECTON PUMP LOCK PIN-LATE MODEL**說明:**

- Locks diesel pump cam to maintain timing during pump installation
- Mercedes Benz:601, 602, 603, 604, 605, 606, and 617.

H58142

福斯 T - 4 三角架鐵套拆裝器**BUSH EXTRACTOR****說明:**

- Used for R & R of rear wheel bearing located in wheel carrier.
- This tool can also be used to install The rear axle shaft flange.
- Applicable:VW,T4



H58140

AUDI CAM ALIGNMEOT

AUDI 凸輪校正工具

説明:

- **Holding /Alignment Fixture**
 - **Used to align and hold camshaft**
- Applicable=**
VW polo Diesel, Audi 100 since1991, andi A6
with engine Z15L TDI



H58139

火星塞高壓線圈拔取器

2PCS Spark Plug Socket Remover

說明:

The VW and Audi Steel spark plug boots are designed to seal and increase contact between the spark plug and spark plug wire. With the increased seal and location of the boot, a special tool has been developed to access and remove the spark plug boot. The tool is also needed in snapping the spark plug boot on to the spark plug that is in a very confined area. This sparkplug boot tool was designed in hardened stainless steel for long term service for the professional technician. The "T" handle gives the technician plenty of pulling power to remove and replace the most difficult spark plug boot.



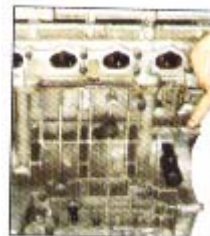
H59128

正時工具組 (VOLVO 專用)

CAMSHAFT/CRANKSHAFT ALIGNMENT TOOL

說明:

- For alignment of the cam and crankshafts. Also enables correct installation of the camshafts with the cam cover.
- Applicable: VOLVO models 850, 960, S40, S70 and S90



H59126

蝶式煞車分泵拆裝工具

Disc Park Brake Caliper Tool

**說明:**

This tool set is a “must” when installing new brake pads on vehicles with 4 wheel disc brakes. Rotate the tool on the parking brake actuator to retract the piston.

Applications : ALL Push-Block applications



H59127

免拆式仰角培令拆裝器(23PCS)

FWD FRONT WHEEL BEARING TOOL

**說明:**

- A great tool used to replace front wheel bearings without removing the steering knuckle & strut assembly
- AS the spindle assemble isn't removed there is no need to align front end after the job is done
- Fit on most cars
- Could be worked with shop press also



H59124

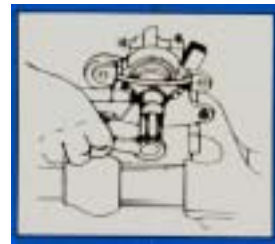
蝶式煞車分泵拆裝工具

Disc Park Brake Caliper Tool

**說明:**

This tool set is a “inust” when installing new brake pads on vehicles with 4 wheel disc brakes. Rotate the tool on the praking brake actuator to retract the piston.

Applications : FORD Falcon XE,XF, Fairlane ZK,LTD FD.



H59125

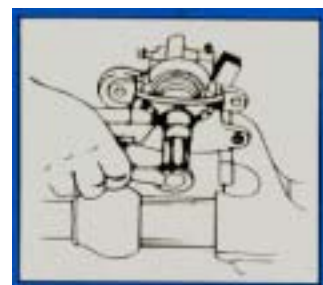
蝶式煞車分泵拆裝工具

Disc Park Brake Caliper Tool

**說明:**

This tool set is a “inust” when installing new brake pads on vehicles with 4 wheel disc brakes. Rotate the tool on the praking brake actuator to retract the piston.

Applications : NISSAN Pintara,Skyline



H59112

蝶式煞車分泵拆裝工具

Disc Park Brake Caliper Tool

**說明:**

This tool set is a “inust” when installing new brake pads on vehicles with 4 wheel disc brakes.
Rotate the tool on the praking brake actuator to retract the piston.

Applications : MITSUBISHI Magna TW,TN
NISSAN Pulsar.



H59123

蝶式煞車分泵拆裝工具

Disc Park Brake Caliper Tool

**說明:**

This tool set is a “inust” when installing new brake pads on vehicles with 4 wheel disc brakes.
Rotate the tool on the praking brake actuator to retract the piston.

Applications : FORD Falcon XB,XC,XD, Fairlane
ZL,LTD FC, GM-Holden HJ,HX,HZ.



H59120

蝶式煞車分泵拆裝工具

Disc Park Brake Caliper Tool

**說明:**

This tool set is a “inust” when installing new brake pads on vehicles with 4 wheel disc brakes.
Rotate the tool on the praking brake actuator to retract the piston.

Applications : FORD Falcon EA,EB,Fairlane
NA,NB,LTD DA.



H59121

蝶式煞車分泵拆裝工具

Disc Park Brake Caliper Tool

**說明:**

This tool set is a “inust” when installing new brake pads on vehicles with 4 wheel disc brakes.
Rotate the tool on the praking brake actuator to retract the piston.

Applications : MITSUBISHI Starlon,Scorpion,
Galant,Lancer,FORD Telster,Laser,MAZDA
323,626.



H59118

蝶式煞車分泵拆裝工具

Disc Park Brake Caliper Tool

**說明:**

This tool set is a “inust” when installing new brake pads on vehicles with 4 wheel disc brakes. Rotate the tool on the praking brake actuator to retract the piston.

Applications : FORD Australia/nz Telstar,laser(R). MAZDA(R). SAAB 9000(R). FIAT/Alfa Romeo 164 2.0(R). HONDA/Prelude,CRX16i GA/Saturn(R)



H59119

蝶式煞車分泵拆裝工具

Disc Park Brake Caliper Tool

**說明:**

This tool set is a “inust” when installing new brake pads on vehicles with 4 wheel disc brakes. Rotate the tool on the praking brake actuator to retract the piston.

Applications : Audi/80,90,V8+100,Coupe E(R). Rover/800 ABS. SUBARU L+Z(R). FORD/Sierra ABS, Granada, Scorpio, Primero 2.0i LS/GS/GSX(R). Peugeot/405 1.9 GL, GRi, Sri, Gtxi, Mi16,605 2.0 Sri(R). TOYOTA/Celica,Corolla GT,MR2(R). VW/Golf Gti,Jetta Synchro,Jetta Gti 16V, Passat CL,GL,GT and GT 16V, Corrado 16V, Scirroca GTX 16V(R).



H59116

3PCS 裝油蓋拆卸工具組

3PCS M: Benz Fuel Tank Service

**說明:**

H58116: The tool to removal the plastic fuel tank cup.
Apply on BENZ type W210.

H58119: The special tool to removal the plastic fuel tand cup.
Applicable: BENZ(W202)

H58124:



H59117

蝶式煞車分泵拆裝工具組 13PC

13PC Universal Caliper Wind Back Kit

**說明:**

Comprehensive brake caliper wind back kit designed for brake pad and caliper servicing. Ideal set for brake specialists, independent motor workshop, panel shops and franchise dealership.

- (1) Plate
- (2) Citroen/XM,Xantia.(F/R)
- (3) Audi(F). FIAT/Alfa Romeo(F). Ford/Fiesta(F). ISUZU(F). HONDA/Concesto(F). Jaguar/XJ6,XJ40(F/R).BMW/318is, 320i, 325TD, 518i, 525i & lx, 740i, 850ci, M5.(F). Mercese Benz/190, 200, 300, 420, 560 series(F). Mitsubishi/Colt(F). NISSAN/Mlera, Stanza, Sunny(F). Rover/Austin, Metro, 200 & 400 serles, Maestra, Montego(F). TOYOTA/Camry(F). Volvo(F). VW/Passat, Golf GTI(F).
- (4) FORD Australia/NZ Telstar, Laser(R). MAZDA(R). SAAB 9000(R). FIAT/Alfa Romeo 164 2.0(R). HONDA/Prelude, CRX 16i, GM/Saturn(R).
- (5) 3/8" dr. Adapter used with extention bar and ratchet when need to apply more strength to the piston.
- (6) NISSAN, PRIMERA, VW/Golf IV.
- (7) Audi/80, 90, V8+100, Coupe E(R). Rover/800 ABS. SUBARU L+Z(R). FORD/Sierra ABS, Granada, Scorpio ABS 85(R). NISSAN/Bluebird 1.8 Turbo, Silvia Turbo, Primera 2.0i LS/GS/GSX(R). PEUGEOT/405 1.9Gi, Gri, Sri, Gtxi, MI 16, 605 2.0 Sri(R).TOYOTA/Celica, Corolla GT, MR2(R). VW/Golf Gti, Jeta Synchro, Jetta Gti 16V, Passat CL, GL, GT and GT 16V, Corrado 16Vscirroca GTX 16V(R).
- (8) GM most 1-7/8" diameter pistons.
- (9) GM most 2-1/8" diameter pistons.
- (0) GM most 2-1/2" diameter pistons.
- (N) SAAB. Honda.
- (E) NISSAN Maxims.

H58137

火星塞高壓線圈拔取器(長)

Spark Plug Socket Remover

說明:

The tool is designed to separate the electric wire from spark plug.



總長度 352.2 MM



H58138

火星塞高壓線圈拔取器(短)

Spark Plug Socket Remover

說明:

The tool is designed to separate the electric wire from spark plug.



總長度 225 MM

H59114

BENZ 鎖頭工具組

Turning Tool Set

**說明:**

- For R&R of protective cover For Ignition-steering Lock
- H58134 Use for : W123, W124, W126
- H58135 Use For:W116, W123, W124, W126, W163, W170, W202, W210
- H58117 For removal and replacement of the ignition switch retaining ring fitted to Mercedes types W129 W140 W202 W210 W220
- H58134-1 H58134-2 H58134-3(Spare Parts)

H59115

蝶式煞車分泵拆裝工具組 18PCS

18PCS Universal Caliper Wind Back Kit

**說明:****Applications:**

- (1) Plate
- (2) Citroen/XM,Xantia.(F/R)
- (3) Audi(F). FIAT/Alfa Romeo(F). Ford/Fiesta(F). ISUZU(F). HONDA/Concesto(F). Jaguar/XJ6,XJ40(F/R).BMW/318is, 320i, 325TD, 518i, 525i & lx, 740i, 850ci, M5.(F). Mercese Benz/190, 200, 300, 420, 560 series(F). Mitsubishi/Colt(F). NISSAN/Miera, Stanza, Sunny(F). Rover/Austin, Metro, 200 & 400 serles, Maestra, Montego(F). TOYOTA/Camry(F). Volvo(F). VW/Passat, Golf GTI(F).
- (4) FORD Australia/NZ Telstar, Laser(R). MAZDA(R). SAAB 9000(R). FIAT/Alfa Romeo 164 2.0(R). HONDA/Prelude, CRX 16i, GM/Saturn(R).
- (5) 3/8" dr. Adapter used with extention bar and ratchet when need to apply more strength to the piston.
- (6) NISSAN, PRIMERA, VW/Golf IV.
- (7) Audi/80, 90, V8+100, Coupe E(R). Rover/800 ABS. SUBARU L+Z(R). FORD/Sierra ABS, Granada, Scorpio ABS 85(R). NISSAN/Bluebird 1.8 Turbo, Silvia Turbo, Primera 2.0i LS/GS/GSX(R). PEUGEOT/405 1.9Gi, Gri, Sri, Gtxi, MI 16, 605 2.0 Sri(R).TOYOTA/Celica, Corolla GT, MR2(R). VW/Golf Gti, Jeta Synchron, Jetta Gti 16V, Passat CL, GL, GT and GT 16V, Corrado 16Vscirroca GTX 16V(R).
- (8) GM most 1-7/8" diameter pistons.
- (9) GM most 2-1/8" diameter pistons.
- (0) GM most 2-1/2" diameter pistons.
- (A) Renault/R21, Laguna (Rear Disk).
- (M) Ford Modeo.
- (N) SAAB. Honda.
- (F) Open (Rear disk)
- (K) Citoren
- (E) NISSAN Maxims.

H58136

油底殼拆卸扳手

8&8mm Oil Service Wrench

**說明:**

Chrome-vanadium, chrome-plater with 8 and 8 mm outside square drive for various French passenger cars, oil drain plug on oil pan, gearbox, diferencial.

H59113

彎曲蛇型皮帶扳手組

Serpentine belt servicing tool set

**說明:**

Combines the patented innovation of GearWrench with the requirements of the Serpention Belt removal tool to provide the user with the best possible combination.

Provides coverage for all major vehicles with serpentine belt configuration.

The versatility and strength of the GearWrench allows for unlimited access to serpentine pulley tension arms with added attachments for unlimited coverage.



H58135

BENZ 雙頭鎖頭工具組

Turning Tool (Both End)

**說明:**

For R&R of protective cover For Ignition-steering Lock

Use For:W116, W123, W124, W126, W163, W170, W202, W210

H59112

BMW 正時工具組

BMW Camshaft Alignment Tool Kit

**說明:**

BMW engine models M42 & M50: Includes 2 block swivel lock plate & locking pin for setting camshaft timing.

Engine models M40 & M70: Include plate & locking pin for setting camshaft timing.

BMW engine models M60 & M62: Includes 2 block swivel lock plate & locking pin for setting camshaft timing.

H59111

BMW 正時工具

BMW(M52,M54,M56) Timing Tool Kit

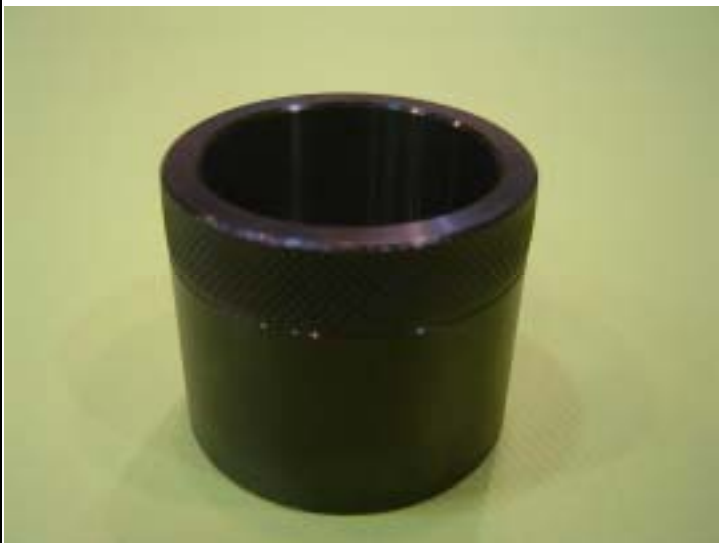
**説明:**

BENZ double vanes setup bracket.

Application : BMW M52, M54, M56.

H58134

W123, W124, W126 TURNING TOOLS



H58132

福斯 & Audi 正時皮帶調整工具

JGO AJUSTE COREA UNIVERSAL

**說明:**

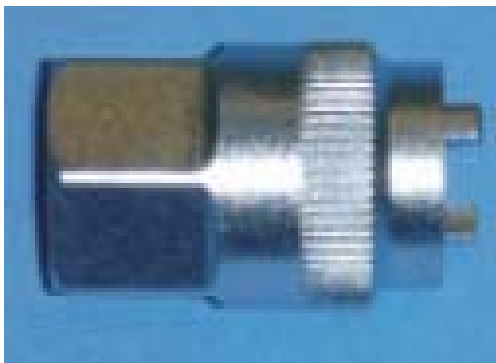
- **THE ADJUSTABLE KEY ALLOWS TO TIGHTEN THE FREE ROLLER IN SPACES EVEN LIMITED.**



H58133

牙齒套筒

BENZ Strut Nut Socket

**說明:**

Use for removing and installing the top shock retaining.

Applications: BENZ W220.



H59110

BMW(E38.E39)後羊角鐵套拆裝工具組

BMW(E38、 E39) Bush Remover/Installer

**說明:**

- Removal and replacement tool for metallic bushes on rear axles.

Application : BMW E38、 E39

H58131

後煞車分泵活塞拔卸器 1PCS

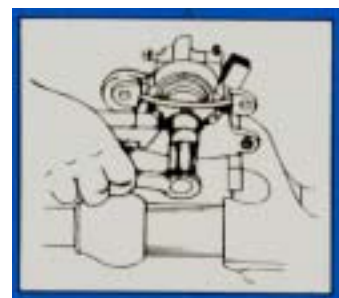
Disc Park Brake Caliper Tool

**說明:**

This tool set is a “inust” when installing new brake pads on vehicles with 4 wheel disc brakes.

Rotate the tool on the praking brake actuator to retract the piston.

Works on most GM vehicles with 1 1/2” brake pistons, most Ford vehicles, Pontiac Fiero, and imported vehicles.



H59108

BMW(E34)輪軸裝卸工具組

BMW (E34) Hub Remover / Installer

**說明:**

- Designed for professional removal and installation of rear wheel hub.
- Applicable : E34

H59109

BMW 上三角台鐵套拆裝工具組(E30.E36.E46)

BMW(E30、 E36、 E46) Bush Extractor

**說明:**

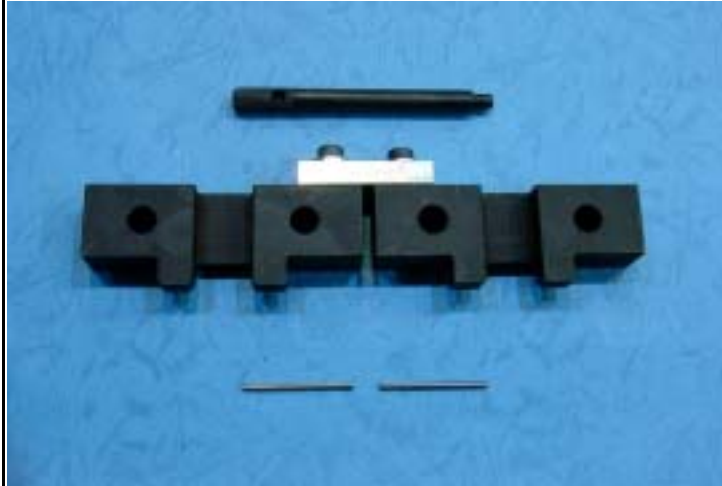
- Used for R&R of rear wheel bearing located in wheel carrier.
- Application : BMW E30、 E36、 E46



H58129

BMW(M42.M50)偏心軸正時工具

BMW(M42、 M50) Camshaft Alignment Tool

**說明:**

- Includes : 2 blocks swivel lock plate & locking pin for setting camshaft timing.

Application : BMW engine model M42 & M50



H58130

BMW(M60.M62)偏心軸正時工具

BMW(M60、 M62) Camshaft Alignment Tool

**說明:**

- 2 blocks swivel lock plate & locking pin for setting camshaft timing.

Application : BMW engine models M60 & M62



H59107

BMW 三腳架鐵套拆裝工具組

BMW(E30、 E36) Ball Joint Remover/Installer

**說明:**

- For removal and installing the ball joint using a hydraulic press.
Application : BMW E30、 E36

H58128

BMW 上三角台鐵套拆裝工具組

BMW(E32、 E34) Bush Extractor

**說明:**

- Removal and replacement tool for metallic bushes on upper sub-frame.
Application : BMW E32、 E34

H58126

萬用球頭拆卸器

Universal Ball Joint Separator

**說明:**

For splitting track-rod ends, anti-roll bar mountings, ball joints, ect. Especially in small space conditions like on AUDI, VW,BMW, FORD, MERCEDES(W170,W202,W210,W220 ETC.) OPEL/VAUXHALL, MITSUBISHI ETC.

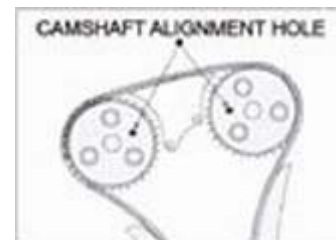
H58127

BENZ W110/W119 偏心軸插銷

BENZ W110/W119 Bias Shaft Pin

說明:

For holding cam shaft tight in installation position.

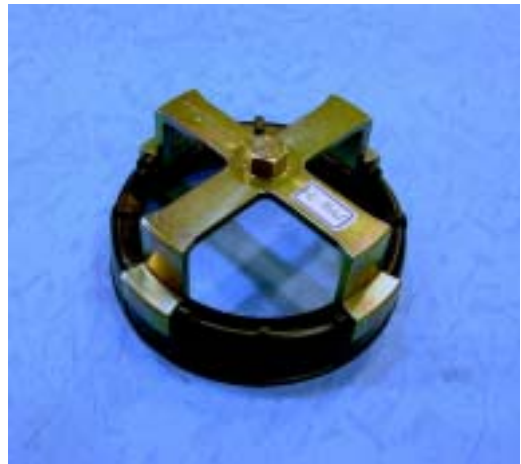


H58124

BENZ 油箱蓋拆卸器

Benz Fuel Tank Lid Dissembler

說明:



H58125

BENZ 手煞車來令片固定彈簧扳手

Benz Parking Brake Installer

說明:

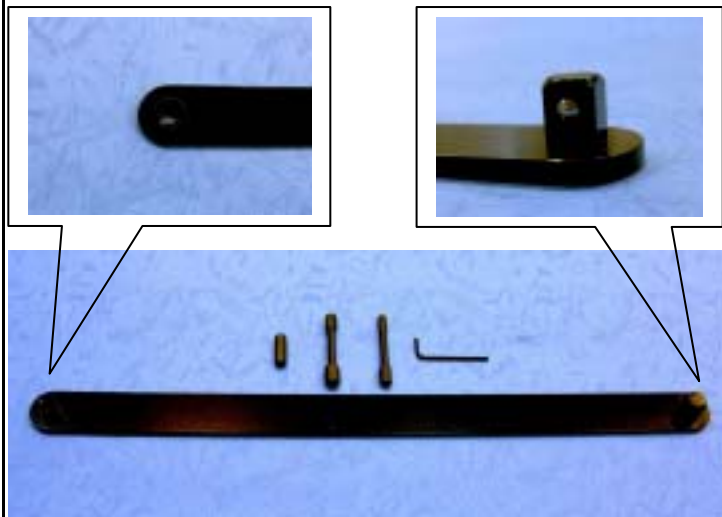
- For pressure spring of parking brake.
- Application : All Mercedes models.



H59105

BENZ-風扇皮帶扳手組

BENZ-Fan Belt Service Wrench



說明:

- This universal tool has been designed to service Mercedes Benz ; Nissan Quest ; Mercury Villager Radiator fans and pulley belts.
- The three-in-one design allows servicing three separate areas of repair. All of which require a specialty tool due to their confined locations.
- This special wrench can be used for loosening the A/C idler pulley tensioner lock-nut for A/C belt Adjustment or replacement 8M/M & 10M/M bit included.

H59106

後煞車分泵活塞拔卸器 11PCS

11PCS Brake Piston Wind Back Kit



說明:

- Comprehensive brake caliper wind back kit designed for brake pad and caliper servicing. Ideal set for brake specialists, independent motor workshop, panel shops and franchise dealership.

固定座使用車種	
03	FORD Australia/nz Telstar,Laser(R). MAZDA (R). SAAB 9000(R). FIAT/Alfa Romeo 164 2.0(R). HONDA/Prelude,CRX1.6i CA/Saturn(R)
04	Audi/B0,90,V8+100,Coupe E(R). Rover/800 ABS. SUBARU L+Z(R). FORD/Sierra ABS, Granada, Scorpio, Primera 2.0i LS/GS/GSX(R). Peugeot/405 1.9 GL,GRI,SRI,GTxi,Mi16,605 2.0 SRI(R). TOYOTA/Celica,Corolla GT,MR2(R). VW/Golf GTi,Jetta Synchron,Jetta GTi 16V,Passat CL,GL,GT and GT 16V,Corrado 16V,Scirocco GTX 16V(R).
05	FORD Falcon EA,EB,Fairlane NA,NB,LTD DA.
06	MITSUBISHI Starion,Scorpio, Galant,Lancer,FORD Telstar,Laser, MAZDA 323,626.
07	MITSUBISHI Magna TM,TN NISSAN Pulsar.
08	FORD Falcon XB,XC,XD, Fairlane ZI,LTD FC, GM-Holden HJ,HX,HZ.
09	FORD Falcon XE,XF,Fairlane ZK,LTD FD.
10	NISSAN Pintara,Skyline
11	ALL Push-Back applications

H59103

BMW 塑鋼正時工具組

BMW Timing Tool



說明:

“11 6 150/151 CE 12/03” (原廠編號)

H59104

雙 B 風扇扳手組(7 PCS)

BENZ & BMW Fan Service Wrench Kit



說明:

- (A) Removes lock nuts on thermo-Viscous fans found on FORD BMW... many vehicles.
- (B) Removes lock nuts on thermo-Viscous fans found on FORD Mercedes... many vehicles.
- (C) Allows the technician to hold the water pump pulley in place while loosening the radiator fan.
- (D) To allow removal of the visco-coupling on the cooling fan.
- (E) Required to remove the radiator fan hub, the reaction spanner is bolted to the front face of the hub.
- (F) Special open-ended spanner to allow removal and replacement of the radiator fan hub.
- (G) The three-in-one design allows servicing three separate areas of repair. All of which require a specialty tool due to their confined locations.

H58122

Benz 變速箱專用套筒

BENZ Transmission Socket

說明:

H58123

BMW 鋁合金正時工具

BMW Double Vanos Setup Bracket M50-TU

說明:

- “11 6 150/151 CE 12/03” (原廠編號)
Application : BMW M52、M54、M56



H58121

火星塞高壓線拔取器

Spark Plug Electric Wire Remover

**說明:**

- The tool is designed to separate the electric wire from spark plug.
Applicable : VW VR6, PASSAT, BENZ V-CLASS



H59102

BENZ 免拆三角架後輪軸承拆裝工具組

BENZ Axles Wheel Bearing Extractor/Installer

**說明:**

- A great tool used to replace front wheel bearings without removing the steering knuckle & strut assembly.
- As the spindle assembly isn't removed, there is no need to align front end after the job is done. It is saving a lot of time.
Application : Mercedes Benz, BMW, TOYOTA, VW, MARCH, FORD, VOLVO.

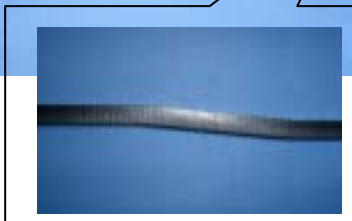
H58120

特殊扳手(替換式)1/2"

CAM BELT TENSIONING TOOL

說明:

- 1/2"D x T50
- With replaceable Star Bit
(Part No 0751)
OEM MOT 1368



H58118

BENZ 門板拆卸器

BENZ Wedge Set

**說明:**

- Used to safely remove the wood & plastic pieces on the door panels as well as on the dashboard, without damage it.

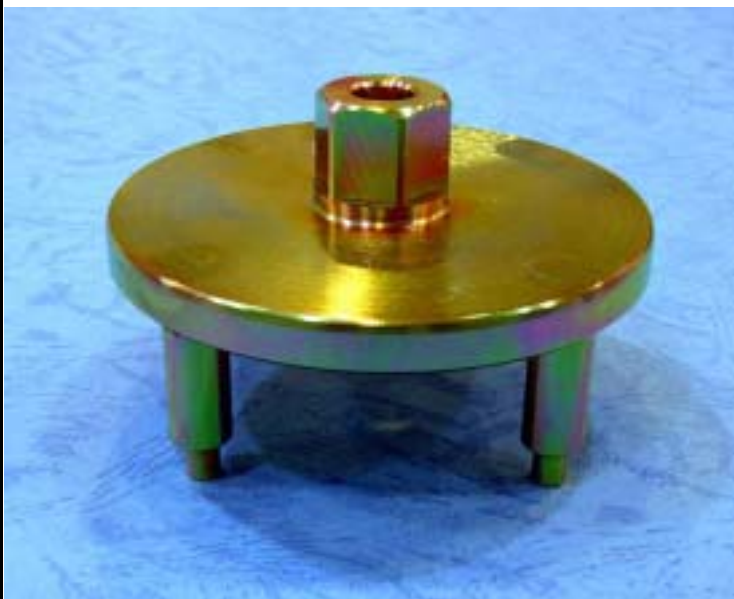
Applicable : All Mercedes Benz.



H58119

BENZ-拆塑膠油箱蓋特種工具

BENZ-W202 Fuel Tank Cup Wrench

**說明:**

- The Special tool to removal the plastic fuel tank cup.

Applicable : BENZ (W202)

H58116

BENZ-拆塑膠汽油箱蓋工具組

BENZ-W210 Fuel Tank Cup Wrench



說明:

- The tool to removal the plastic fuel tank cup .
- Apply on BENZ type W210



H58117

BENZ-鎖頭外框套

BENZ-Assembly Sleeve for Ignition



說明:

- For removal and re placement of the ignition switch retaining ring fitted to Mercedes types W129 W140 W202 W210 W220.



H58114

BENZ-輪胎定位銷 M14XP1.5

BENZ-Wheel Stud Alignment Guide Tool

說明:

- Assists when mounting wheels, especially late models with iron lug bolts.
- Apply on all Mercedes models with lug bolts.



H58115

BENZ-內鍊滑板插銷拔卸器

BENZ-Guide Rail Pin Puller

說明:

- Can remove even the most stubborn pins from the cylinder head, unlike the short slide hammer previously used to attempt this job.
- This puller incorporates a thrust bearing to ease the pulling action.
- The overall length is 85MM. Which allows it to fit into those tight problem areas.
- Screw Specifications :
M8*P1.25*M6*P1.0*1PCS
M8*P1.25*30MM*1PCS



H58112

BENZ W202、W170 三角架鐵套拆裝工具組

BENZ(W202、W170) Lower Control Arm Bushings Remover/Installer

**說明:**

- Used for R&R of rear wheel bearing located in wheel carrier.
- This tool can also be used to install the rear axle shaft flange.

Applicable : Mercedes models W202
W170(C-CLASS)



H58113

油底殼拆卸扳手

8 & 10mm Oil Service Wrench

**說明:**

Chrome-vanadium, chrome-plater with 8 and 10 mm outside square drive for various French passenger cars, oil drain plug on oil pan, gearbox, diferencial.

H58110

BENZ W140 三角架鐵套拆裝工具

BENZ(W140) Lower Control Arm Bushings Remover/Installer

**說明:**

- Used for R&R of rear wheel bearing located in wheel carrier.
- This tool can also be used to install the rear axle shaft flange.

Applicable : Mercedes models
W140(S-CLASS)



H58111

BENZ W210 三角架鐵套拆裝工具

BENZ(W210) Lower Control Arm Bushings Remover/Installer

**說明:**

- Used for R&R of rear wheel bearing located in wheel carrier.
- This tool can also be used to install the rear axle shaft flange.

Application : Mercedes models W210(NEW
E-CLASS)



H59101

BENZ 後羊角鐵套拆裝工具組

BENZ Bush Remover/Installer

**說明:**

- Removal and replacement tool for metallic bushes on rear axles Mercedes type 201/124/202/140/129/210 .
- The Tool incorporates an axial bearing and also incorporates a pressure piece which guarantees the correct position of the new metallic bushes when replaced.

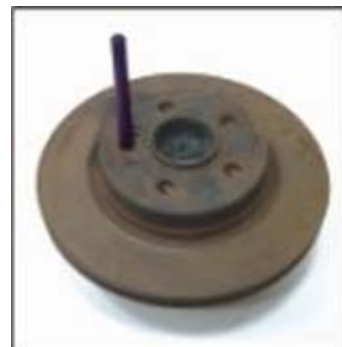
H58109

BENZ 輪胎定位銷 M12X1.5P

BENZ Wheel Stud Alignment Guide Tool

**說明:**

- Assists when mounting wheels, especially late models with iron lug bolts.
Applicable : All Mercedes models with lug bolts.



說明:

H59100

BENZ 免拆差速器.後三角架橡皮座鐵套拆裝工具組

BENZ Bush Extractor

說明:



- Extractor for replacement of the differential mounting metallic bushes in the rear sub-frame for Mercedes type : 124
Replacement of mounting bushes without removal of the differential.



H59098

BENZ W220 避震器維修工具組

BENZ W220 Shock Absorber Service Tool Set



說明:

- “220 589 00 61 00 06/03” (原廠編號)
- This tool is for changing the top seal in air suspension.
- Fix suspension strut to a vise.
- Set 3 legs onto stub bolts in strut.
- Drive the contour forcing screw to compress the seal cup and replace the seal.
- Application: Benz W220



H59099

BENZ 722.6 變速箱離合器壓板工具組

Clutch Spring Compressor



說明:

“BENZ 208 589 00 21 00 R T” (原廠編號)

This tool is to setup a correct gape in transmission clutch.

Use this tool with a hydraulic press.

Set the clutch on press table then place this tool on it and press the spring cylinder with press to the set-line on the cylinder for a correct gape.

Application : BENZ 722.6 transmission clutch.

H59096

BENZ 扳手 4PCS 裝

4PCS BENZ Power Tool Set



說明:



Benz W220 Power Tool Seat

H59097

蛇型皮帶扳手組

Ratcheting Serpentine Belt Wrench Kit

說明:



- Service approximately 90% of all vehicles equipped with spring-loaded serpentine belt tensioners.
- For use when servicing serpentine drive belts or any belt-driven accessories.
- Specifically designed to fit into tight areas.
- Ratcheting action allows quick and easy positioning of wrench driving end for tensioner access from any angle.
- Heat treated and nickel chrome plated for strength, durability, and appearance.

H58107

大型内歯輪扳手

説明:



H58108

小型内歯輪扳手

説明:



H58105

固定鐵板

BENZ-Fan Clutch Wrench

說明:



H58106

雙凸點扳手

說明:



H58103

球頭拔卸器

Universal Ball Joint Separator



說明:

Special steel for removing the ball pivots on steering arms, steering tie rocks, steering knuckles, ect.

H58104

BENZ-風扇扳手

BENZ-Fan Clutch Wrench



說明:

Replaces fan clutch assembly on Mercedes Benz vehicles. Slim shaft handles let you easily work in light space.

H58101

BENZ-風扇支撐扳手

BENZ-Holding Tool(L 型)

說明:

- To allow removal of the visco-coupling on the cooling fan.
- Apply on Mercedes engine M103 M104



H58012

BENZ-風扇支撐扳手

BENZ-Fan Belt Service Wrench

說明:

- Special designed 3 holes to hold the stud on fan clutch assembly found on Mercedes Benz vehicles to allow release of lock nut.
- Slim handle for tight space operation.



H58099

BENZ 風扇扳手(36mm)

BENZ Viscous Fan Nut Wrench(36mm)

說明:

- Removes lock nuts on the Viscous fans found on Ford Mercedes.... many vehicles.



H58100

BMW-風扇支撐扳手

BMW-Pulley Holder

說明:

- Allows the technician to hold the water pump pulley in place while loosening the radiator fan.
- BMW engine models M10, M20 & M30 and late cars.



H58097

正時工具組

BMW Camshaft Alignment Tool

說明:



- Removes lock nuts on thermo-Viscous fans found on Ford BMW.... many vehicles.
- Made from tempered pressed steel with PVC dipped handle.



H58094

BMW 風扇扳手(32mm)

BMW Viscous Fan Nut Wrench (32mm)

說明:



- Removes lock nuts on thermo-Viscous fans found on FORD BMW.... many vehicles.



H58095

R12-R134a 鋁接頭

R12-R134a Aluminum Fitting

**說明:**

H58096

牙齒套筒

BENZ Strut Nut Socket

**說明:**

Use for removing and installing the top shock retaining nut.

Applications: BENZ W203.



H59129

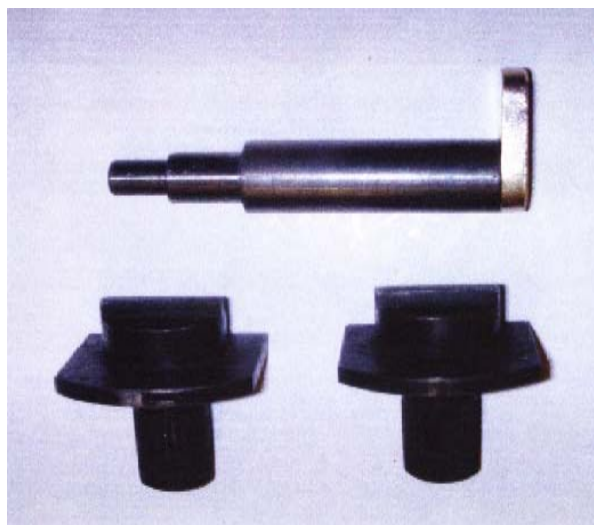
REPLACER SETS



H58092



H58093



H59095



H58091



H59094



H58090



H59092

ENGINE TIMING TOOLS - VW & AUDI



-
-
-

H59093



H59090

DIESEL 2.0 & 2.4 TDDI-TDCI (CHAIN)

-
-
-

H59091

DIESEL 1.5/1.9/2.2/2.5 DCI

説明:

-
-
-

H58089



H59089

DIESEL 1.3 CDTI



説明:

-
-
-

H59087

DIESEL 1.7 OPEL & ISUZU

説明:

●

●

H59088

ENGINE TIMING TOOL SET - FORD

●

●

H59085

PETROL TWIN CAM 1.6 16V

説明:

-
-

H59086

PETROL 1.0,1.2,1.4 TWIN CAMS (CHAIN)

説明:

-
-
-

H59084

DIESEL FUEL PUMP TIMING SET



説明:
●

H59082

ENGINE TIIMING TOOLS SET - VGA

説明:



ALSO OLDER 1.9D MODELS FROM 1976.

H59083

ENGINE TIMING TOOL SET - CITROEN & PEUGEOT

説明:



H59080

ENGINE TIMING TOOLS-VW &AUDI**說明:**

- MODELS:
AUDI:A4,A6,A8,A11road(97-04)
VW:PASSAT(98-04)
- ENGINES CODES:AFB,AKE,AKN,AYM,BAU
BCZ,BDG,BDH,BFC.

H59081

正時工具組**ENGINE TIMING TOOLS - GM****說明:**

- WHEN SERVICING GM ECOTEC 2.0 ENGINES

H59079

正時工具組

ENGINE TIMING TOOLS-BMW**說明:**

- THIS SET ENABLES THE CORRECT TIMING TO BE MADE WHEN SERVICING BMW M47 2.0 16 ENGINES .

H58088

固定插銷

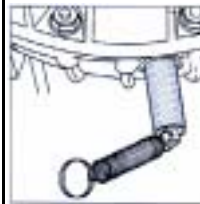
說明:

H58094

DIESEL ENGINE SETTING/LOCKING KIT

**説明:**

- Anodized finish for corrosion protection.
- Instructions for use are printed inside this card.



For vehicles without this type of sump pan, use the flywheel TDC setting tool. Secure the tool to the cell housing with the marker point bent in towards the flywheel timing gear. Align the TDC mark on the flywheel with pointer.



On vehicles from 1998on, the injection pump locking pin is required as part of the procedure. With the TDC set up, pass the locking pin through the hole in the timing pump gear and locate it.



Any other use of these tools than that described in the section above is considered as misuse.

H59077

油壓式螺絲破壞器

Nut Splitter

**說明:**

可破壞螺帽的規格
6mm~36mm (1/4"~1-1/2")

H58087

1"棘輪扳手

Wrench With 1" Hex Ratchet

**說明:**

H58085

螺絲破壞器

1/2"~5/8" Nut Splitter

說明:



H58086

螺絲破壞器

7/8"~1-1/16" Nut Splitter

說明:



H58083

螺絲破壞器

5/8"~7/8" Nut Splitter

說明:



H58084

螺絲破壞器

1/8"~1/2" Nut Splitter

說明:



H59076

齒輪式活動扳手組

Auto Adjustable Wrench 3/8"+1/2"

說明:

Ideal for track-red ends allows leverage in confined areas.

For use with 3/8" power bar.

For use with 1/2" power bar.



H58082

螺帽破壞鉗

Nut Cracker

說明:

Offset, open-head designed nut cracker, allowing access to any spot from any angle.



H58080

齒輪式活動扳手 3/8"

Auto Adjustable Wrench 3/8"

**說明:**

Ideal for track-red ends allows leverage in confined areas.

For use with 3/8" power bar.

H58081

齒輪式活動扳手 1/2"

Auto Adjustable Wrench 1/2"

**說明:**

Ideal for track-red ends allows leverage in confined areas.

For use with 1/2" power bar.

H59078

4PCS Nut Splitter

螺絲破壞器



說明:

- 5/8''~7/8'' (H58083)
- 1/8''~1/2'' (H58084)
- 1/2''~5/8'' (H58085)
- 7/8''~1-1/16'' (H58086)

說明:

H59075

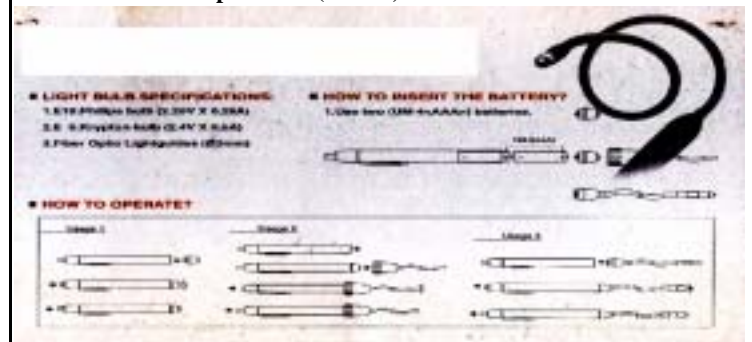
三合一燈組

3 NI 1 ULTRA THIN LIGHT



說明

- Good helper for repairing
 - Good assistant for a maintenance man
 - Invincible for a searcher
- Is the all-in-one series product.
It can brighten in any area you want.
It can lighten anywhere even narrow corner.
It is the must for you to suit your need,
and lighten the dark corner wherever you are
- Light bulb specifications.
 1. E10:Philips bulb(2.25V x 0.25A)
 2. E5:krypton bulb(2.4V x 0.5A)
 3. Fiber optic wand(03mm)



:

H59071

正時工具組

GM 4CYL CAM TOOLS

說明:

H59072

正時工具組

GM 6CYL CAM TOOLS (KIT#1)

說明:

H59069

門板支撐汽車氣囊組



說明:

H59070

門板支撐汽車氣囊組



說明:

H59067

門板支撐汽車氣囊組

ADJUSTABLE WINDSHIELD LEVERAGE DEVICE



說明:

H59068

門板支撐汽車氣囊組

ADJUSTABLE WINDSHIELD LEVERAGE DEVICE



說明:

H59066

門板支撐汽車氣囊組

ADJUSTABLE WINDSHIELD LEVERAGE DEVICE



說明:

AFTER WINDSHIELD IS RELEASED FROM TOP AND SIDES OF VEHICLE.

STEP1:INSERT PUMPER

BETWEEN UPPER WINDSHIELD AND BODY OF VEHICLE.

STEP2:INFLATE PUMPER TO DESIRED POSITION.DO NOT OVER-INFLATE!

STEP3:CUT ADHESIVE AT THE BOTTOM OF WINDSHIELD IN INGREDIENTS. REPEAT STEPS 2&3

UNTIL WINDSHIELDS IS RELEASED.

H58079

軟性吸棒(6'')

MAGNETIC PICK UP TOOLS (6'')



說明:



H58077

軟性吸棒(10")

MAGNETIC PICK UP TOOLS (10")

說明:



H58078

軟性吸棒(12")

MAGNETIC PICK UP TOOLS (12")

說明:



H58075

軟性吸棒(4'')

MAGNETIC PICK UP TOOLS (4'')

說明:



H58076

軟性吸棒(8'')

MAGNETIC PICK UP TOOLS (8'')

說明:



H58074

休旅車避震彈簧拆卸器(短)

65-200mm SPRING COMPRESSOR

**說明:**

- THE SPINDLES ARE EQUIPPED WITH CONTRA-ROTATING THREADS WHICH ELIMINATE THE RISK OF SLIPPING ROUND THE SPRING.
- COMPRESSION LENGTH:65-200mm

H58072

鋁制接頭

ALUMINUM ADAPTER



說明:

H58073

休旅車避震彈簧拆卸器(彈簧壓縮器長)

65-370mm SPRING COMPRESSOR



說明:

- THE SPINDLES ARE EQUIPPED WITH CONTRA-ROTATING THREADS WHICH ELIMINATE THE RISK OF SLIPPING ROUND THE SPRING.
- COMPRESSION LENGTH:65-370mm

H59065

手動膨脹氣囊組 -3PCS 氣囊

Inflatable Hand Pumper W/3PCS Inflatable Pads

**說明:****規格 CONTENTS:**

1PC-Inflatable Hand Pumper

1PC-7"(180mm) X 1 1/2"(38mm)

1PC-7 1/2"(190mm) X 2 3/8"(60mm)

1PC-6 3/8"(160mm) X 6 3/8"(160mm)

H58070

軟性吸棒 42" (1070mm)

MAGNETIC PICK UP TOOLS

**說明:**

H58069

電線測試夾

“FINGER-SAVER” WIRE PIERCING GUIDE

說明:

- An ingenious device that eliminates stabbed fingers. Quickly, easily and safely guides the pick point of any circuit tester into the center of all primary automotive electrical wire. Also holds the circuit tester in position allowing you to work with both hands free. Resists gasoline, oil, thinners, and other shop chemicals.



Tests standard primary electrical systems.



Tests computer controlled electrical systems.

H59064

休旅車避震彈簧拆卸器(彈簧壓縮器組)

UNIVERSAL SPRING COMPRESSOR SET

說明:

-
-
-



H58071

SS30 玻璃手

ADJUSTABLE PIN WRENCH

說明:



H59063

氣動膨脹氣囊組- 3PCS 氣囊

說明:

規格: 7"(180mm) X 1 1/2"(38mm)

7 1/2"(190mm) X 2 3/8"(60mm)

6 3/8"(160mm) X 6 3/8"(160mm)



H58067

特殊五角扳手

Pentagon driver

說明:

**FIVE SIDES DRIVER NEEDED
FOR R&R OF BMW ANTITHEFT
RADIOS**

APPLICABLE:

**MODELS EQUIPPED WITH AN
ANTITHEFT RADIO MOUNT
THE ONLY WAY TO REMOVE
RADIO WITHOUT DAMAGE**



H58068

汽缸彈簧壓縮桿

VALVE SPRING COMPRESSOR

說明:

- .for R & R of valve spring or rocker arm (cylinder head does not need to be removed).
Applicable:V-8 engines (M116&117) 4 & 6 cylinder engines with single camshaft,
With the exception of engines M 102, 103 & 119 (please see # M 1160 above).



H58065

玻璃用雙凸點扳手

ADJUSTABLE SPANNER WRENCH

說明:



H58066

軟性吸棒 (525mm)

MAGNETIC PICK UP TOOLS

說明:



H58063

油壓測試接頭

Mercedes Oil Extractor Adapter

說明:



H58064

撬棒頭

3/8"DR Pry Bar Head

說明:



This adapter gives you the

versatility of a

Pry bar with out the storage problems!
Turn any 3/8"drive ratchet or breaker bar
Into a rolling head pry bar, then just
Disassemble and put in your tool box when
you`re done.

H59026

#3~#20 開口扳手

8PCS Aluminum Fitting Wrenches

**説明:**

Light, flexible racing hoses are used in motorsport and performance cars due to their compatibility with petroleum, synthetic lubricants, hydrocarbon fuels and liquid engine coolants. Able to operate at higher temperatures & pressures for longer periods these Aeroquip style hoses are used more & more. Aluminium wrenches for the swivel hose ends are now offered by Laser with the full size range available.

Itemno	Size	Size	Color	Overall Length	t
H58476-1	No.3	1/2"	Silver	4.00" (101.6mm)	8.1mm
H58476-2	No.4	9/16"	Black	4.75" (120.7mm)	8.3mm
H58476-3	No.6	11/16"	Lt.Black	5.75" (146.1mm)	9.8mm
H58476-4	No.8	7/8"	Pink	5.75" (146.1mm)	9.8mm
H58476-5	No.10	1"	Gold	7.12" (181.0mm)	9.9mm
H58476-6	No.12	1-1/4"	Red	7.50" (190.5mm)	10.2mm
H58476-7	No.16	1-1/2"	Brass	8.75" (222.3mm)	10.2mm
H58476-8	No.20	1-13/16"	Darke	9.25" (235.0mm)	10.4mm

H58062

活動扳手

Aluminum Adjustable Wrench

説明:

H59073

正時工具組

GM 6CYL CAM TOOLS (KIT#2)

說明:

H59074

門板支撐汽車氣囊組

說明:



H59059

FG03 洩油閥



說明:

H59060

FG05 洩油閥



說明:

H59057

FM3 洩油閥



說明:

H59058

FG02 洩油閥



說明:

H59055

F106 洩油閥



説明:

H59056

F108 洩油閥



説明:

H59053

F102 洩油閥



說明:

H59054

F103 洩油閥



說明:

H59061

FG06 洩油閥

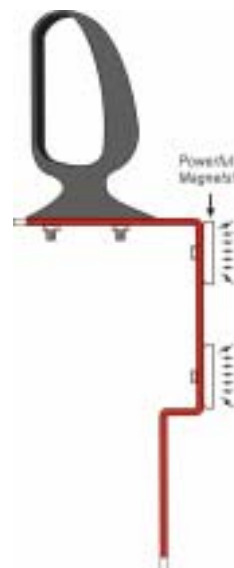
說明:



H58060**工具架****Tool Hold With Two Magnetic Pad****說明:**

High power magnet to hold the impact wrench & socket.

Put on the tool chest or two pole lifter to hold the impact wrench.

**H58061****照後鏡烤漆固定架****Side View Mirror Holder****說明:**

H59051**簡式工具架****說明:****H59052****工具架****說明:**

H58056

固定鈕拆卸器

Door Upholstery Remover

**說明:**

Well designed tool removes upholstery clips in just a few seconds.

Place the tool under the edge of door panel & insert in fastener then pry up.

H58057

水管夾板固定鉗

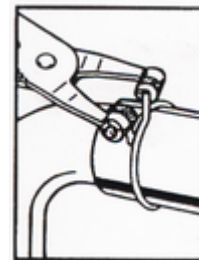
Hose Clamp Plier

**說明:**

Swivel jaws are slotted for positive holding of large or small clamps at any angle.

Ratchet action holds jaws closed in 5 different positions.

Fits all automotive and appliance spring wire hose clamps.



H59050

5PCS U 型插銷

5PCS Fork Set

説明:**OPERATING INSTRUCTIONS**

1. Assemble desired handle to fork.
2. Remove cotter pin (if equipped) and nut from tie rod, ball joint or pitman arm stud.
3. Insert tines of separator between parts.
4. Strike end of separator with hammer or attach air hammer and apply air pressure to separate.

**INSTRUCTIONS POUR LA MISE EN ŒUVRE**

1. Monter le manche désiré sur la fourche.
2. Retirer la goupille fendue (le cas échéant) et l'écrou du boulon de barre d'accouplement, joint à rotule ou axe de fusée.
3. Insérer les dents du séparateur entre les pièces.
4. Frapper sur le manche du séparateur avec un marteau ou installer le marteau pneumatique et appliquer la pression pour séparer les pièces.

**INSTRUCCIONES PARA EL FUNCIONAMIENTO**

1. Arme el mango deseada en la horquilla.
2. Quite el pasador de chavetas (si lo tiene) y la tuerca de la barra de acoplamiento, articulación de rótula o espárrago de biela de mando de la dirección.
3. Coloque las puntas del separador entre las piezas.
4. Golpee el extremo del separador con el martillo o adjunte un martillo neumático y aplique presión de aire para separar.



H58054

水管夾固定鉗 2PCS 裝

Hose Clamp Plier 2PCS



H58052

H58053

說明:

- Two Pliers service all ring type or flat type hose clamp.
One Cross slotted jaws plier & one wide flat band hose clamp jaws plier, both pliers feature ratcheting lock mechanism holding the clamp in an open position for easy removal and installation.



H58055

水管夾固定鉗

Hose Clamp Plier

**說明:**

This plier features ratcheting mechanism holding the clamp in an open position for easy removal & installation.



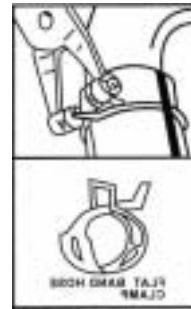
H58052

水管夾板固定鉗

Hose Clamp Plier

說明:

This plier features ratcheting mechanism holding the clamp in an open position for easy removal & installation.



H58053

水管壓板固定鉗

Hose Clamp Plier

說明:

This plier features ratcheting mechanism holding the clamp in an open position for easy removal & installation.



H58050

套筒扳手

Hi-Torque Installation Tooling

說明:



H58051

固定鈕拆卸器

Door Upholstery Remover

說明:



Well designed tool removes upholstery clips in just a few seconds.

Place the tool under the edge of door panel & insert in fastener then pry up.

H59048

正時工具組 13PCS 裝

13Piece Diesel and Petrol Engine Timing Kit



說明:

- For use on Audi, Citroën, Peugeot, Volkswagen and Volvo diesel and petrol engined cars and light commercial vehicles.
After use, remove all setting pins & locking plates. Turn the engine over twice by hand to complete a full cycle. Regain T.D.C. (top dead center) & insert setting tools to re-check the alignment is correct. Remove setting tools and check there is no obstruction, by turning the engine over twice by hand again, to complete a full cycle.

H59049

正時工具組 13PCS 裝

13Piece Diesel and Petrol Engine Timing Kit



說明:

- For use on Rover group vehicles.
- Petrol engine : Metro Gta, Gti 16v DOHC, 111, 114, 214, 414, 216 and 416Gti DOHC, 820 8v SOHC.
Diesel engine : 218SD, 218SLD Turbo, 418GSD Turbo, Maestro 2.0D, 2.0D Turbo, Maestro 500 & 700 vans, Metro 1.4LD, 1.4SD, Montego 2.0D Turbo and Sherpa DL200.

H58049

內裝拆卸工具

Handy Remover

說明:

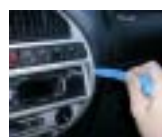
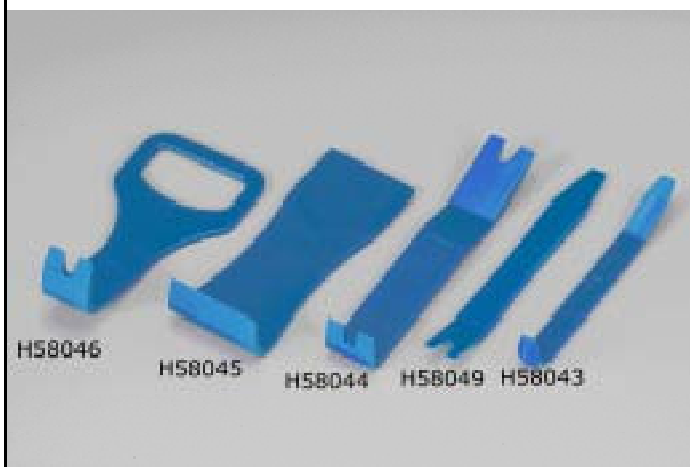


H59047

內裝拆卸工具組

5PCS Handy Remover

說明:



H58043



H58044



H58045



H58046



H58049

H58047

17mm 雙用型橫拉桿球頭拔卸器

Universal Ball Joint Puller

**說明:**

- Special steel for removing the ball pivots on steering arms, steering tie rods, steering knuckles, etc.
- Jaw open : 17 mm

H58048

20mm 雙用型橫拉桿球頭拔卸器

Universal Ball Joint Puller

**說明:**

- Special steel for removing the ball pivots on steering arms, steering tie rods, steering knuckles, etc.
- Jaw open : 20 mm

H58045

內裝拆卸工具

Handy Remover

說明:



H58045



H58046

內裝拆卸工具

Handy Remover

說明:



H58046



H58043

內裝拆卸工具

Handy Remover

說明:



H58043



H58044

內裝拆卸工具

Handy Remover

說明:



H58044



H59044

2PCS 磁性底座水平儀

2PCS Magnetic Camber Gauge

**說明:**

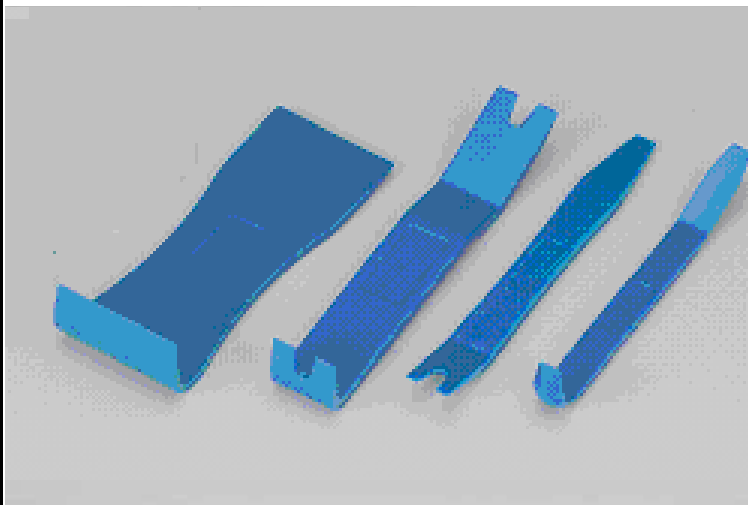
It has a simple leveling adjustment of +/-3°. Housed in a durable, non- magnetic casing with a magnetic head that attaches firmly to rotors or spindles.

- Time/money saving device
- Return a strut to its original camber after repair or replacement.
- Measure camber change before reinstalling alignment heads during camber kit installation.
- Check the amount of camber change before reinstalling tire and wheel assemblies on trucks receiving offset alignment bushings.

H59045

內裝拆卸工具組

4PCS Handy Remover

**說明:**

H58043



H58044



H58045



H58046



H58042

調節扳手

A/R Brake Slack Adjuster

說明:

- Designed to make slack adjustment on air brakes used on Timken, Fruehauf, Kay-Burner and Trailermobile axles.
- The VIM slack adjusting tool permits rapid and easy checking of brake pot push rod movement. Adjustment of brakes can be made with this one tool by using proper socket attached to 3/8" sq. drive provide.



H59043

磁性底座水平儀及可調式水平儀

Magnetic Camber & Adjustable Cauge 2pcs/set

說明:

It has a simple leveling adjustment of $\pm 3^\circ$. Housed in a durable, non-magnetic casing with a magnetic head that attaches firmly to rotors or spindles.

- Time/money saving device
- Return a strut to its original camber after repair or replacement.
- Measure camber change before reinstalling alignment heads during camber kit installation.
- Check the amount of camber change before reinstalling tire and wheel assemblies on trucks receiving offset alignment bushings.



H58040

四驅後輪轉向定位器

Rear Honda Four Wheel Steering Tool

**說明:**

- After making necessary adjustments to front caster & camber, and rear camber, center the steering wheel in the straight ahead position.
- Remove the gearbox cap bolt.
- install the #H58040 tool into the rear steering gearbox.
- Turn the steering wheel right or left slightly until the tool seats fully.

Note: the red mark on the pin will not be visible when the tool is completely seated properly.

Caution: Do not turn the steering wheel when the tool is in place or damage may result to the tool or gearbox.

- When the alignment is completed, remove the #H58040 tool and replace the gearbox cap bolt. Road test vehicle for proper steering wheel alignment.

H58041

環型固定鉗

Retaining Ring Pliers

**說明:**

Removes external retaining rings used to locate bearings on shafts of transmissions, differentials, etc. Maximum spread: 17/16"

H58038

平頭機油尺

Oil Gauge

說明:

ENGINE 103,943,994,995, 104, 111, 119, 120, 137, 682,913,963,987, 604, 605, 606, 611, 612, 613, 638, 612,965

Use:
Dipstick for determining oil level
and inspecting length of dipstick
guide tube



H58039

90° 機油尺

Oil Gauge

說明:

ENGINE 112, 113, 946, 947, 948

Use:
Measuring rod for measuring oil level and for checking length of oil
pipe.



H58036

長型變速箱油尺

Transmission Oil Gauge

說明:

TRANSMISSION 712.6

Use/Specification:
Dipstick for determining oil level



140 000 15 21 00



H58037

短型變速箱油尺

Transmission Oil Gauge

說明:

TRANSMISSION 716.5, 721.7

Use:
Dipstick for determining oil level



100 000 01 21 00



H58035

引擎吊環 (2 PCS)

LIFTING BRACKETS (2PCS)

**說明**

- Set includes two 4000lb. Capacity brackets.
Attach directly to component, then hook lifting chain through chain link for easy lifting.
- 4000lb 1800kg CAP.

H59046

2PCS 裝磁性底座可調式水平儀

2PCS Magnetic Adjustable Camber Gauge

**說明:**

It has a simple leveling adjustment of $\pm 3^\circ$. Housed in a durable, non- magnetic casing with a magnetic head that attaches firmly to rotors or spindles.

- Time/money saving device
- Return a strut to its original camber after repair or replacement.
- Measure camber change before reinstalling alignment heads during camber kit installation. Check the amount of camber change before reinstalling tire and wheel assemblies on trucks receiving offset alignment bushings.

59053

攻牙器

Universal Outside Thread Chaser

**說明:**

- Eliminates the need or expensive thread-cutting equipment.
- Secure the tool slightly on the good threads, then back off over the damaged thread area to restore the threads.
- Working capacity : 1 1/4"~5" OD.
- Die cast alloy V-Pad will not damage the threads. And could be replaced while worn out.
- Die cast alloy V-pad includes 2 dimension with the thread chaser.

- Threads per inch : 4, 5, 6, 7, 7-1/2, 8, 9, 10, 11, 11-1/2, 12, 14, 16, 18, 20, 24

Metric Thread chaser : 1mm, 1.25mm, 1.5mm, 1.75mm, 2mm, 2.5mm, 3mm&3.5mm



H59041

磁性底座水平儀

Magnetic Camber Gauge

**說明:**

It has a simple leveling adjustment of +/-3°. Housed in a durable, non-magnetic casing with a magnetic head that attaches firmly to rotors or spindles.

Time/money saving device

Return a strut to its original camber after repair or replacement.

Measure camber change before reinstalling alignment heads during camber kit installation.

Check the amount of camber change before reinstalling tire and wheel assemblies on trucks receiving offset alignment bushings.



H58058

彈簧線油尺

AUDI OIL DIPSTICK

說明:

- The tool is designed to measure the oil Level of transmission
- Full length : 659 mm
- Applicable: Audi 100



H58059

卡車油尺

DIPSTICK FOR MERCEDES TRUCK

說明:

H59111T

**説明:**BMW (M52, M54, M56)
TIMING TOOL IKT

HAND TOOLS

	<p>Y59228 5 PCS SCREW EXTRACTOR SET</p> <ul style="list-style-type: none"> ■ CARBON STEEL ■ CHROME MOLYBDENUM ■ SIZE: 1/8", 1/4", 5/16", 7/16", 9/16" ■ BLISTER CARD 	<p>Q'TY: 100 SET N.W.: 12 KGS G.W.: 13 KGS CUFT: 1'</p>
	<p>Y59229 5 PCS SCREW EXTRACTOR SET</p> <ul style="list-style-type: none"> ■ CARBON STEEL ■ CHROME MOLYBDENUM ■ SIZE: 1/8", 1/4", 5/16", 7/16", 9/16" ■ BLISTER CARD 	<p>Q'TY: 100 SET N.W.: 10 KGS G.W.: 11 KGS CUFT: 0.6'</p>
	<p>Y59230 5 PCS SCREW EXTRACTOR SET</p> <ul style="list-style-type: none"> ■ CARBON STEEL ■ CHROME MOLYBDENUM ■ SIZE: 1/8", 1/4", 5/16", 7/16", 9/16" ■ PLASTIC CASE AND COLOR SLEEVE 	<p>Q'TY: 100 SET N.W.: 12 KGS G.W.: 13 KGS CUFT: 0.6'</p>
	<p>Y59231 5 PCS SCREW EXTRACTOR SET</p> <ul style="list-style-type: none"> ■ CHROME MOLYBDENUM ■ SIZE: 5/64", 7/64", 5/32", 1/4", 17/64" ■ BLISTER CARD 	<p>Q'TY: 100 SET N.W.: 12 KGS G.W.: 13 KGS CUFT: 1'</p>
	<p>Y59232 5 PCS SCREW EXTRACTOR SET</p> <ul style="list-style-type: none"> ■ MADE OF CHROME MOLYBDENUM ■ DRILL SIZE: 5/64", 7/64", 5/32", 1/4", 17/64" ■ BLISTER CARD 	<p>Q'TY: 100 SET N.W.: 12 KGS G.W.: 13 KGS CUFT: 1'</p>
	<p>Y59233 5 PCS SCREW EXTRACTOR SET</p> <ul style="list-style-type: none"> ■ MADE OF CHROME MOLYBDENUM ■ DRILL SIZE: 5/64", 7/64", 5/32", 1/4", 17/64" 	<p>Q'TY: 100 SET N.W.: 12 KGS G.W.: 13 KGS CUFT: 1'</p>



5 PCS SCREW EXTRACTOR SET

- MADE OF CHROME MOLYBDENUM
- DRILL SIZE: 5/64", 9/64", 5/32", 1/4", 19/64"
- BLISTER CARD

N.W.: 12 KGS
HOME
G.W.: 13 KGS
CUFT: 1'

HAND TOOLS



Y59234 SCREW EXTRACTOR

- MADE OF CHROME MOLYBDENUM
- BULK

SIZE	SIZE TO USE	FOR SCREW & BOLT SIZE
NO.1	5/64"	3/16"-1/4"
NO.2	7/64	1/4-5/16
NO.3	5/32	5/16-7/16
NO.4	1/4	7/16-9/16
NO.5	19/64	9/16-3/4
NO.6	13/32	3/4-1
NO.7	17/32	1-1-3/8
NO.8	13/16	1-3/8-1-3/4
NO.9	1-1/16	1-3/4-2-1/8



Y59235 6 PCS SCREW EXTRACTOR SET

- CARBON STEEL
- CHROME MOLYBDENUM
- SIZE: 1/8", 1/4", 5/16", 7/16", 9/16", 3/4"
- PLASTIC CASE AND COLOR SLEEVE

Q'TY: 100 SET
N.W.: 23 KGS
G.W.: 24 KGS
CUFT: 1'



Y59236 6 PCS SCREW EXTRACTOR SET

- CARBON STEEL
- CHROME MOLYBDENUM
- SIZE: 1/8", 1/4", 5/16", 7/16", 9/16", 3/4"
- BLISTER CARD

Q'TY: 100 SET
N.W.: 25 KGS
G.W.: 26 KGS
CUFT: 1.2'



Y59237 8 PCS SCREW EXTRACTOR SET

- CHROME MOLYBDENUM
- SIZE: 1/8", 1/4", 5/16", 7/16", 9/16", 3/4", 1", 1 1/8"
- PLASTIC CASE AND. COLOR BOX.

Q'TY: 24 SET
N.W.: 19 KGS
G.W.: 20 KGS
CUFT: 0.4'



Y59238 8 PCS SCREW EXTRACTOR SET

- CHROME MOLYBDENUM
- SIZE: 1/8", 1/4", 5/16", 7/16", 9/16", 3/4", 1", 1 1/8"
- DOUBLE BLISTER

Q'TY: 24 SET
N.W.: 21 KGS
G.W.: 22 KGS
CUFT: 1'

■ SIZE: 1/8", 1/4", 5/16", 7/16", 9/16", 3/4", 1", 1 1/8"
■ DOUBLE BLISTER

CUFT: 1'
HOME



Y59239
8 PCS SCREW EXTRACTOR
SET

- MADE OF CHROME MOLYBDENUM
- BULK

SIZE	SIZE TO USE	FOR SCREW & BOLT SIZE
NO.1	5/64"	3/16"-1/4"
NO.2	7/64	1/4-5/16
NO.3	5/32	5/16-7/16
NO.4	1/4	7/16-9/16
NO.5	19/64	9/16-3/4
NO.6	13/32	3/4-1
NO.7	17/32	1-1-3/8
NO.8	13/16	1-3/8-1-3/4
NO.9	1-1/16	1-3/4-2-1/8

HAND TOOLS

	<p>Y59240 7 PCS SCREW EXTRACTOR AND NAP SET</p> <ul style="list-style-type: none"> ■ 3/8" TAP HAND ■ SIZE: 1/8", 1/4", 5/16", 7/16", 9/16" ■ BLISTER CARD 	<p>Q'TY: 60 SET N.W.: 19 KGS G.W.: 20 KGS CUFT: 1.4'</p>
	<p>Y59241 11 PCS SCREW EXTRACTOR AND HAND TAP SET</p> <ul style="list-style-type: none"> ■ 3/8" TAP HAND ■ TAP SIZE: 8NC-32, 10NC-24, 10NC-32, 1/4NC-20, 5/10NC-18 ■ EXTRACTOR SIZE: 1/8", 1/4", 5/16", 7/16", 9/16" ■ SLIDING CARD 	<p>Q'TY: 48 SET N.W.: 20 KGS G.W.: 21 KGS CUFT: 1.6'</p>
	<p>Y59242 NUT SPLITTER AND 5 PCS SCREW EXTRACTOR SET</p> <ul style="list-style-type: none"> ■ NUT SPLITTER SIZE: 5/16"-1/2" (9MM-12MM) ■ EXTRACTOR SIZE: 1/8", 1/4", 5/16", 7/16", 9/16" ■ BLISTER CARD 	<p>Q'TY: 40 SET N.W.: 13 KGS G.W.: 14 KGS CUFT: 0.6'</p>
	<p>Y59243 5 PCS SCREW EXTRACTOR SET (SQUARE)</p> <ul style="list-style-type: none"> ■ MADE OF CHROME MOLYBDENUM ■ SIZE: 1/8", 3/16", 15/64", 5/16", 3/8" ■ BLISTER CARD 	<p>Q'TY: 120 SET N.W.: 15 KGS G.W.: 16 KGS CUFT: 1'</p>
	<p>Y59244 5 PCS SCREW EXTRACTOR SET (SQUARE)</p> <ul style="list-style-type: none"> ■ MADE OF CHROME MOLYBDENUM ■ SIZE: 1/8", 3/16", 15/64", 5/16", 3/8" ■ BLISTER CARD 	<p>Q'TY: 100 SET N.W.: 16 KGS G.W.: 17 KGS CUFT: 1'</p>
	<p>Y59245 5 PCS SCREW EXTRACTOR SET</p>	<p>Q'TY: 100 SET</p>

■ REGISTER CARD



Y59245

**5 PCS SCREW EXTRACTOR SET
(SQUARE)**

- MADE OF CHROME MOLYBDENUM
- SIZE: 1/8", 3/16", 15/64", 5/16", 3/8"
- COLOR BOX WITH TRAY AND DUST COVER

HOME

Q'TY: 100 SET

N.W.: 12 KGS

G.W.: 13 KGS

CUFT: 1'

HAND TOOLS

	<p>Y59246 5 PCS SCREW EXTRACTOR SET (SQUARE)</p> <ul style="list-style-type: none"> ■ MADE OF CHROME MOLYBDENUM ■ SIZE: 1/8", 3/16", 15/64", 5/16", 3/8" ■ BLISTER CARD 	<p>Q'TY: 120 SET N.W.: 15 KGS G.W.: 16 KGS CUFT: 1'</p>
	<p>Y59247 7 PCS SCREW EXTRACTOR SET (SQUARE)</p> <ul style="list-style-type: none"> ■ MADE OF CHROME MOLYBDENUM ■ SIZE: 1/8", 3/16", 15/64", 5/16", 3/8", 15/32", 9/16" ■ COLOR BOX WITH TRAY AND DUST COVER 	<p>Q'TY: 60 SET N.W.: 20 KGS G.W.: 21 KGS CUFT: 2'</p>
	<p>Y59248 10 PCS SCREW EXTRACTOR SET (SQUARE)</p> <ul style="list-style-type: none"> ■ MADE OF CHROME MOLYBDENUM ■ SIZE: 1/8", 3/16", 15/64", 5/16", 3/8", 15/32", 9/16", 21/32", 13/16", 1 1/16" ■ COLOR BOX WITH TRAY AND DUST COVER 	<p>Q'TY: 12 SET N.W.: 17 KGS G.W.: 18 KGS CUFT: 0.6'</p>
	<p>Y59249 4 PCS STUD PULLER WRENCH SET</p> <ul style="list-style-type: none"> ■ CHROME VANADIUM STEEL ■ SAE SIZE: 1/4", 5/16", 3/8", 7/16" ■ METRIC SIZE: 6MM, 8MM, 10MM, 12MM ■ METAL BOX AND COLOR BOX 	<p>Q'TY: 24 SET N.W.: 24 KGS G.W.: 25 KGS CUFT: 0.9'</p>
	<p>Y59250 4 PCS STUD PULLER WRENCH SET</p> <ul style="list-style-type: none"> ■ CHROME VANADIUM STEEL ■ SAE SIZE: 1/4", 5/16", 3/8", 7/16" ■ METRIC SIZE: 6MM, 8MM, 10MM, 12MM ■ BLOW CASE AND COLOR BOX 	<p>Q'TY: 24 SET N.W.: 19 KGS G.W.: 20 KGS CUFT: 1.6'</p>

12MM

■ BLOW CASE AND COLOR BOX

HOME



Y59251

2 PCS NUT SPLITTER SET

■ CHROME VANADIUM STEEL

■ DOUBLE BLISTER

■ SIZE: 1/2"-5/8" (12MM-16MM)

5/8"-7/8 (16MM-22MM)

Q'TY: 36 SET

N.W.: 19 KGS

G.W.: 20 KGS

CUFT: 1'

HAND TOOLS

	<p>Y59252 4 PCS NUT SPLITTER SET</p> <ul style="list-style-type: none"> ■ CHROME VANADIUM STEEL ■ COLOR BOX ■ SIZE: 5/16"-1/2" (9MM-12MM) 1/2"-5/8 (12MM-16MM) 5/8"-7/8 (16MM-22MM) 7/8"-1 1/8 (22MM-27MM) 	<p>Q'TY: 12 SET N.W.: 14 KGS G.W.: 16 KGS CUFT: 0.6'</p>
	<p>Y58375 MEDIUM DUTY NUT SPLITTER</p> <ul style="list-style-type: none"> ■ CHROME VANADIUM STEEL ■ SIZE: 1/8"-15/16" (6mm-23mm) ■ BULK 	<p>Q'TY: 40 PCS N.W.: 21 KGS G.W.: 22 KGS CUFT: 0.4'</p>
	<p>Y59253 INTERNAL PIPE WRENCH SET</p> <ul style="list-style-type: none"> ■ COLOR BOX ■ PIPE SIZE SAE: 1/8", 1/4", 3/8", 1/2", 3/4", 1" ■ PIPE SIZE METRIC: 6m/m, 8m/m, 10m/m, 15m/m, 20m/m, 25m/m 	<p>Q'TY: 24 SET N.W.: 22 KGS G.W.: 23 KGS CUFT: 0.86'</p>
	<p>Y59254 21 PCS SCREW EXTRACTOR & INTERNAL PIPE SET</p> <ul style="list-style-type: none"> ■ 5PCS SCREW EXTRACTOR: 7/64"(2.7MM), 9/64"(3.5MM), 5/32"(3.9MM), 1/4"(6.3MM), 19/64"(7.5MM) ■ 4PCS INTERNAL PIPE WRENCH: 1/8"(3.1MM), 1/4"(6.3MM), 3/8"(9.5MM), 1/2"(12.7MM) ■ 4PCS STUD PULLER WRENCH: 1/4"(6MM), 5/16"(8MM), 3/8"(10MM), 7/16"(12MM) ■ 1PC ADJUSTABLE WRENCH: 8"(200MM) ■ 1PC TAP WRENCH: 3/8"(10MM) ■ 5PCS DRILL BITS: 1/8"(3.1MM), 5/32"(3.9MM), 7/32"(5.5MM), 1/4"(6.3MM), 5/16"(7.9MM) ■ 1PCS NUT SPRITTER: 5/8"-7/8"(15MM-22MM) 	<p>Q'TY: 6 SET N.W.: 14 KGS G.W.: 15 KGS CUFT: 1.4'</p>
	<p>Y59255 34 PCS SCREWDRIVER EXTRACTOR & INTERNAL PIPE SET</p> <ul style="list-style-type: none"> ■ 5PCS SCREW EXTRACTOR: 7/64"(2.7MM), 9/64"(3.5MM), 5/32"(3.9MM), 1/4"(6.3MM), 19/64"(7.5MM) ■ 6PCS INTERNAL PIPE WRENCH: 1/8"(3.1MM), 1/4"(6.3MM), 3/8"(10MM), 1/2"(12.7MM), 3/4"(19MM), 1"(25.4MM) ■ 4PCS STUD PULLER WRENCH: 1/4"(6MM), 5/16"(8MM), 3/8"(10MM), 7/16"(12MM) ■ 1PC ADJUSTABLE WRENCH: 10"(250MM) ■ 1PC TAP WRENCH: 3/8"(10MM) ■ 8PCS DRILL BITS: 1/8"(3.1MM), 5/32"(3.9MM), 7/32"(5.5MM), 1/4"(6.3MM), 5/16"(7.9MM), 3/8"(9.5MM), 1/2"(12.7MM), 5/8"(15.8MM) 	<p>Q'TY: 6 SET N.W.: 24 KGS G.W.: 25 KGS CUFT: 1.4'</p>



MM), 3/8" (10MM), 7/16" (12MM)

■ 1PC ADJUSTABLE WRENCH: 10" (250MM)

■ 1PC TAP WRENCH: 3/8" (10MM)

■ 8PCS DRILL BITS: 1/8" (3.1MM), 5/32" (3.9MM), 7/32" (5.5MM), 1/4" (6.3MM), 5/16" (7.9MM), 3/8" (9.5MM), 7/16" (11.1MM), 1/2" (12.7MM)


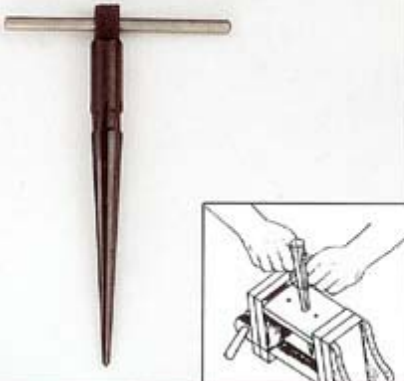
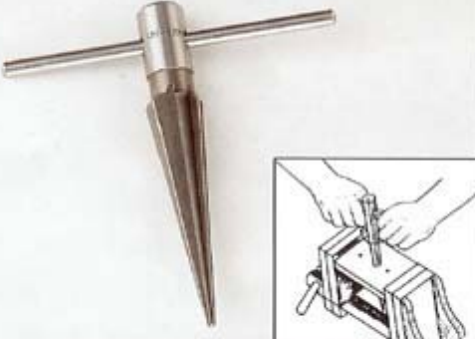


■ 1PCS NUT SPLITTER: 1/8"-15/16" (3.1MM-7.9MM)

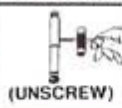
■ 8PCS SQUARE SCREW EXTRACTOR: 1/8" (3.1MM), 3/16" (4.7MM), 15/64" (5.9MM), 5/16" (7.9MM), 3/8" (10MM), 15/32" (11.9MM), 9/16" (14.2MM), 21/32" (16.6MM)

G.W.: 25 KGS

HOME
CUFT: 1.4'

HAND TOOLS

	<p>Y59256 10 PIECE MULTI-SPLINE EXTRACTOR SET</p> <ul style="list-style-type: none"> ■ QUICK & EASY TO REMOVE BROKEN SCREWS, PLPES, BOLTS, & STUDS. ■ MADE OF CHROME MOLYBDENUM. ■ SIZE: 1/8"(3.2MM), 5/32"(4MM), 3/16"(4.8MM), 7/32"(5.5MM), 1/4(6.3MM), 9/32"(7.1MM), 5/16"(7.9MM), 11/32"(8.7MM), 3/8"(9.5MM), 13/32"(10.3MM) ■ BLOW CASE COLOR BOX 	<p>Q'TY: 48 SET N.W.: 20 KGS G.W.: 21 KGS CUFT: 1.8'</p>
	<p>Y58376 TAPERED REAMER</p> <ul style="list-style-type: none"> ■ REAM, DEBURR, ALIGN, AND ENLARGE HOLES. T-HANDLE MAKES TURNING EASY. REAMER IS MADE OF HEAT TREATED HIGH GRADE TOOL STEEL FOR LONG LIFE. TO AVOID DAMAGE TOOL MUST ALWAYS BE TURNED CLOCKWISE. THE USE OF CUTTING OIL IS RECOMMENDED. ■ CAPACITY: 1/8" TO 1/2"(3 TO 13MM) ■ SLIDING CARD 	<p>Q'TY: 120 PCS N.W.: 10 KGS G.W.: 11 KGS CUFT: 1.2'</p>
	<p>Y58377 TAPERED REAMER</p> <ul style="list-style-type: none"> ■ REAM, DEBURR, ALIGN, AND ENLARGE HOLES. T-HANDLE MAKES TURNING EASY. REAMER IS MADE OF HEAT TREATED HIGH GRADE TOOL STEEL FOR LONG LIFE. TO AVOID DAMAGE TOOL MUST ALWAYS BE TURNED CLOCKWISE. THE USE OF CUTTING OIL IS RECOMMENDED. ■ CAPACITY: 5/32" TO 7/8"(4 TO 22MM) ■ SLIDING CARD 	<p>Q'TY: 120 PCS N.W.: 15 KGS G.W.: 16 KGS CUFT: 1.5'</p>
	<p>Y58378 4-WAY GREASE FITTING TOOLS</p> <ul style="list-style-type: none"> ■ IS DESIGNED FOR 1/8" NPT FITTINGS. TAP REPAIRS 1/8" NPT THREADS. WRENCH REMOVES 7/16" AND 3/8" HEX FITTINGS AND PLUGS. WRENCH INSTALLS NEW FITTINGS. 1/8" NPT "EASY-OUT" REMOVES BROKEN FITTINGS. ■ SLIDING CARD 	<p>Q'TY: 240 PCS N.W.: 20 KGS G.W.: 20.5 KGS CUFT: 1.2'</p>
	<p>Y58379 4-WAY GREASE FITTING TOOLS</p> <ul style="list-style-type: none"> ■ FOR MOST POPULAR 1/4"-28 AND 6MM FITTINGS. TAP REPAIRS 1/4"-28 THREADS. WRENCH REMOVES 5/16" AND 3/8" HEX FITTINGS AND PLUGS. WRENCH INSTALLS NEW FITTINGS. 1/4"-28. "EASY-OUT" REMOVES BROKEN FITTINGS. ■ SLIDING CARD 	<p>Q'TY: 240 PCS N.W.: 11.5 KGS G.W.: 12 KGS CUFT: 1.2'</p>



TINGS AND PLUGS. WRENCH INSTALLS NEW FITTINGS. 1/4"-28. "EASY-OUT" REMOVES BROKEN FITTINGS.
■ SLIDING CARD

CUFT: 12'
HOME



Y58380
PROFESSIONAL IMPACT DRIVER

- CHROME MOLYBDENUM
- 36 L PHILLIPS NO.2 NO.3, 36L SLOTTED 9MM 11MM
- METAL BOX AND COLOR BOX

Q'TY: 24 PCS
N.W.: 24 KGS
G.W.: 25 KGS
CUFT: 0.6'

HAND TOOLS

	<p>Y58381 6" JUNIOR HACKSAW</p> <p>■ BULK</p>	<p>Q'TY: 120 PCS N.W.: 12 KGS G.W.: 13 KGS CUFT: 0.5'</p>
	<p>Y58382 6" MINI HACKSAW</p> <p>■ BULK ■ ZINC ALLOY HANDLE</p>	<p>Q'TY: 100 PCS N.W.: 19 KGS G.W.: 20 KGS CUFT: 1.2'</p>
	<p>Y58383 6" MINI HACKSAW</p> <p>■ ABS PLASTIC HANDLE ■ BULK</p>	<p>Q'TY: 120 PCS N.W.: 7 KGS G.W.: 8 KGS CUFT: 1.2'</p>
	<p>Y58384 HANDY SAW</p> <p>■ ADJUSTABLE FOR 8"-12" USE ■ BULK</p>	<p>Q'TY: 120 PCS N.W.: 12 KGS G.W.: 13 KGS CUFT: 1'</p>
	<p>Y58385 HANDY SAW</p> <p>■ ADJUSTABLE FOR 8"-12" USE ■ BULK</p>	<p>Q'TY: 240 PCS N.W.: 16 KGS G.W.: 17 KGS CUFT: 1.8'</p>
	<p>Y58386</p>	<p>Q'TY: 240 PCS</p>

HOME

Y58386
MINI HACKSAW

Q'TY: 240 PCS

N.W.: 13 KGS

G.W.: 14 KGS

CUFT: 1.8'



■ ADJUSTABLE FOR 8"-12" USE

■ PLASTIC HANDLE

■ BULK

HAND TOOLS

	<p>Y58387 6" HANDY HACKSAW</p> <p>■ BULK</p>	<p>Q'TY: 120 PCS N.W.: 17 KGS G.W.: 18 KGS CUFT: 1'</p>
	<p>Y58388 ADJUSTABLE HACKSAW</p> <p>■ 8", 10", 12" SAW BLADE ■ PLASTIC HANDLE ■ BULK</p>	<p>Q'TY: 120 PCS N.W.: 28 KGS G.W.: 29 KGS CUFT: 4.9'</p>
 	<p>Y58389 12" BUTCHER SAW</p> <p>■ 12" STAINLESS STEEL SAW BLADE ■ ABS PLASTIC HANDLE ■ COLOR SLEEVE</p>	<p>Q'TY: 48 PCS N.W.: 15 KGS G.W.: 16 KGS CUFT: 2.4'</p>
 	<p>Y58390 15" BUTCHER SAW</p> <p>■ 15" STAINLESS STEEL SAW BLADE ■ ABS PLASTIC HANDLE ■ COLOR SLEEVE</p>	<p>Q'TY: 48 PCS N.W.: 21 KGS G.W.: 22 KGS CUFT: 3.5'</p>

		HOME
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SANDING TOOLS

 	<p>Y58391 SAND BOW (USE FOR CURVE SURFACE)</p> <ul style="list-style-type: none"> ■ SAND BELT SIZE: 33MM(W) ×250MM(L) ■ TIE ON CARD 	<p>Q'TY: 60 PCS N.W.: 13 KGS G.W.: 14 KGS CUFT: 3.2'</p>
 	<p>Y58392 SAND BOW (USE FOR NARROW PLAGE OR TIGHTEN SURFACE)</p> <ul style="list-style-type: none"> ■ SAND BELT SIZE: 33MM(W) ×260MM(L) ■ TIE ON CARD 	<p>Q'TY: 48 PCS N.W.: 19 KGS G.W.: 20 KGS CUFT: 2.7'</p>
 	<p>Y58393 SAND BOW (USE FOR FLAT SURFACE)</p> <ul style="list-style-type: none"> ■ SAND BELT SIZE: 33MM(W) ×260MM(L) ■ TIE ON CARD 	<p>Q'TY: 48 PCS N.W.: 19 KGS G.W.: 20 KGS CUFT: 2.7'</p>
	<p>Y58394 2 PCS SAND BELT SET (SUITABLE FOR SAND BOW)</p> <ul style="list-style-type: none"> ■ POLYBAG W/HEADER 	<p>Q'TY: 100 SET N.W.: 2 KGS G.W.: 2.5 KGS CUFT: 0.9'</p>
 	<p>Y58395 PLASTIC HANDY SANDER</p> <ul style="list-style-type: none"> ■ ABS PLASTIC BODY ■ WORKING SIZE: 65MM × 150MM ■ SAND BELT LENGTH: 1500MM/ROLL ■ SLIDING CARD 	<p>Q'TY: 36 SET N.W.: 8.5 KGS G.W.: 9 KGS CUFT: 3.3'</p>
	<p>Y58396 2PCS SELF-ADHENSIVE SAND</p>	<p>Q'TY: 120 SET</p>



Y58396
2PCS SELF-ADHENSIVE SAND
PAPER ROLL

- SIZE:60MM(W)×1500MM(L)
- BLISTER CARD

HOME

Q'TY: 120 SET
N.W.: 11 KGS
G.W.: 12 KGS
CUFT: 2.5'

SANDING TOOLS

	<p>Y58397 HAND SANDER</p> <ul style="list-style-type: none"> ■SIE:3"×9" ■BULK 	<p>Q'TY: 48 PCS N.W.: 20 KGS G.W.: 21 KGS CUFT: 2.8'</p>
	<p>Y58398 SANDING BLOCK</p> <ul style="list-style-type: none"> ■SIZE:106MM(W)×212MM(L) ■ABS PLASTIC BODY ■BULK 	<p>Q'TY: 48 PCS N.W.: 16 KGS G.W.: 17 KGS CUFT: 2.2'</p>
 	<p>Y58399 HAND SANDER</p> <ul style="list-style-type: none"> ■SIZE:235MM×75MM ■BODY:NYLON ■COLOR BOX 	<p>Q'TY: 48 PCS N.W.: 20.5 KGS G.W.: 21 KGS CUFT: 1.8'</p>
 	<p>Y58400 WATERSTONE HOLDER</p> <ul style="list-style-type: none"> ■FITS STONES FROM 7"(1-77m/m) TO 9"(228m/m)LONG ■DURABLE RUBBER ■COLOR BOX 	<p>Q'TY: 24 PCS N.W.: 18 KGS G.W.: 18.5 KGS CUFT: 0.9'</p>
	<p>Y58401 HAND SANDER WOODEN HANDLE</p> <ul style="list-style-type: none"> ■SANDPAPER SIZE:2 3/4"×17" ■BASE LENGTH: 15 3/4" ■PC/WHITE BOX 	<p>Q'TY: 36 PCS N.W.: 17 KGS G.W.: 18 KGS CUFT: 4.2'</p>
	<p>Y58402</p>	

HOME

Y58402

HAND SANDER WOODEN HANDLE

- SANDPAPER SIZE: 2 3/4" × 11"
- BASE LENGTH: 9 1/2"
- PC/WHITE BOX

Q'TY: 60 PCS

N.W.: 20 KGS

G.W.: 21 KGS

CUFT: 4.4'



SANDING TOOLS

	<p>Y58403 HAND SANDER WOODEN HANDLE</p> <ul style="list-style-type: none"> ■ SANDPAPER SIZE: 2 3/4 × 8" ■ BASE LENGTH: 6 3/4" ■ PC/WHITE BOX 	<p>Q'TY: 60 PCS N.W.: 14 KGS G.W.: 15 KGS CUFT: 3'</p>
	<p>Y58404 HAND SANDING PAD</p> <ul style="list-style-type: none"> ■ 5" (125m/m) SAND PAPER × 2 ■ FASTENED BY VELCRO PAPE ■ BLISTER CARD 	<p>Q'TY: 120 PCS N.W.: 8.5 KGS G.W.: 9 KGS CUFT: 2'</p>
	<p>Y58405 MINI SANDING DISC KIT</p> <ul style="list-style-type: none"> ■ SIZE: φ 45M/M ■ FASTENED BY VELCRO PAPE ■ 2PCS SANDING PAPER ■ SLIDING CARD 	<p>Q'TY: 240 PCS N.W.: 11.5 KGS G.W.: 12 KGS CUFT: 2.1'</p>
	<p>Y58406 MINI SANDING PAPER</p> <ul style="list-style-type: none"> ■ SIZE: φ 45M/M ■ FASTENED BY VELCRO PAPE ■ GRIT 100/3 ■ GRIT 150/3 ■ SLIDING CARD 	<p>Q'TY: 240 PCS N.W.: 6 KGS G.W.: 6.5 KGS CUFT: 1.8'</p>
	<p>Y58407 RUBBER BACKING PAD</p> <ul style="list-style-type: none"> ■ 75MM DIAMETER BACKING PAD. ■ 7MM ARBOR ■ THIS GOOD QUALITY PAD IS SUPPLIED COMPLETE WITH A 7MM ARBOR ASSEMBLY SUITABLE FOR USE WITH NON-CLOGGING NYLON REINFORCED SANDING/CUTTING DISCS. ■ WHEN PRESSURE IS APPLIED BY THE SCREW, THE DISC CENTER WILL GIVE AND MOULD ITSELF TO THE BACKING PAD. ■ SLIDING CARD 	<p>Q'TY: 120 PCS N.W.: 11 KGS G.W.: 12 KGS CUFT: 4'</p>
	<p>Y58408</p>	<p>Q'TY: 120 PCS</p>

THE BACKING PAD.
■ SLIDING CARD

HOME



Y58408
RUBBER BACKING PAD

■ 3"(75MM) × 16MM

■ SLIDING CARD

Q'TY: 120 PCS

N.W.: 10 KGS

G.W.: 11 KGS

CUFT: 3.5'

ACCESSORIES FOR POWER TOOLS

 	<p>Y58409 DRILL ADAPTOR (FOR CUTTER DISCS)</p> <ul style="list-style-type: none"> ■ SUITABLE FOR HOLE DIA. 10MM-15MM ■ POLY BAG 	<p>Q'TY: 250 PCS N.W.: 11 KGS G.W.: 12 KGS CUFT: 0.9'</p>
	<p>Y58410 3PCS LONG SIZE ARBOR SET</p> <ul style="list-style-type: none"> ■ SUITABLE FOR HOLE DIA. 13MM-24MM ■ POLY BAG 	<p>Q'TY: 250 PCS N.W.: 20 KGS G.W.: 21 KGS CUFT: 0.9'</p>
	<p>Y58411 MULTI PURPOSE ARBOR SET</p> <ul style="list-style-type: none"> ■ SUITABLE FOR HOLE DIA. 12MM-28MM ■ POLY BAG 	<p>Q'TY: 250 PCS N.W.: 15 KGS G.W.: 16 KGS CUFT: 0.9'</p>
	<p>Y58412 ARBOR SHANK SET</p> <ul style="list-style-type: none"> ■ SIZE: ϕ 6M/M \times 12M/M (ϕ 14 \times 1/2) ■ POLY BAG 	<p>Q'TY: 250 PCS N.W.: 22 KGS G.W.: 23 KGS CUFT: 0.9'</p>
	<p>Y58413 ARBOR SHANK SET</p> <ul style="list-style-type: none"> ■ SIZE: ϕ 8M/M \times 12M/M (ϕ 5/16 \times 1/2) ■ POLY BAG 	<p>Q'TY: 250 PCS N.W.: 23 KGS G.W.: 24 KGS CUFT: 0.9'</p>
	<p>Y58414</p>	<p>Q'TY: 250 PCS</p>



Y58414

PAD NUT

■ SIZE: 5/8"

■ POLY BAG

HOME

Q'TY: 250 PCS

N.W.: 15 KGS

G.W.: 16 KGS

CUFT: 0.9'

ACCESSORIES FOR POWER TOOLS

	<p>Y58415 ARBOR SHANK SET</p> <ul style="list-style-type: none"> ■ 1/4" BORE, 3/16 SHANK ARBOR FOR POWER DRILL ■ SIZE: ϕ 3/16" \times 6M/M 2 PCS: 1/4" DIN WASHER 2 PCS: 3/16" DIN BOLT AND NUT ■ POLY BAG 	<p>Q'TY: 250 PCS N.W.: 10 KGS G.W.: 11 KGS CUFT: 0.5'</p>
	<p>Y58416 ARBOR SHANK SET</p> <ul style="list-style-type: none"> ■ SIZE: ϕ 6M/M \times 10MM (ϕ 1/4 \times 3/8) ■ POLY BAG 	<p>Q'TY: 250 PCS N.W.: 9 KGS G.W.: 10 KGS CUFT: 0.5'</p>
	<p>Y58417 ARBOR SHANK SET</p> <ul style="list-style-type: none"> ■ SIZE: ϕ 7M/M \times 11M/M (ϕ 9/32 \times 7/16) ■ POLY BAG 	<p>Q'TY: 250 PCS N.W.: 14 KGS G.W.: 15 KGS CUFT: 0.5'</p>
	<p>Y58418 ARBOR SHANK SET</p> <ul style="list-style-type: none"> ■ SIZE: ϕ 6M/M \times 9M/M (ϕ 1/4 \times 23/64) ■ POLY BAG 	<p>Q'TY: 1000 PCS N.W.: 24.5 KGS G.W.: 25.5 KGS CUFT: 0.9'</p>
	<p>Y58419 ARBOR SHANK SET</p> <ul style="list-style-type: none"> ■ SIZE: ϕ 6MM \times 20MM ■ POLY BAG 	<p>Q'TY: 250 PCS N.W.: 15 KGS G.W.: 16 KGS CUFT: 1'</p>
	<p>Y58420</p>	<p>Q'TY: 250 PCS</p>



Y58420

ARBOR SHANK SET

■ SIZE: ϕ 6MM \times 20MM

■ POLY BAG

HOME

Q'TY: 250 PCS

N.W.: 12 KGS

G.W.: 13 KGS

CUFT: 0.9'

BODY TOOLS


	<p>Y58421 DOOR PIN EXTRACTOR</p> <ul style="list-style-type: none"> ■ FOR THE EASY REMOVAL AND REPLACEMENT OF DOOR HINGE PINS. CHOOSE THE CORRECT PUNCH FOR THE DOOR HINGE. ■ REMOVE THE THREADED END CAP. SLIDE THE PUNCH UPWARDS THROUGH HINGE AND SCREW BACK THE END CAP. FIT THE CRANKED HANDLE ONTO THE PUNCH USING THE SLOTTED END AND TAP GENTLY WITH A MALLET TO DRAW OUT THE PIN. ■ SLIDING CARD 	<p>Q'TY: 50 PCS N.W.: 23 KGS G.W.: 24 KGS CUFT: 1.8'</p>
	<p>Y58422 DOOR LOCK HOLE REFORMING TOOL</p> <ul style="list-style-type: none"> ■ FOR THE REPAIR OF DAMAGED DOOR LOCK APERTURES. ■ SUITABLE FOR FLUSH FITTING OR RECESSED LOCK HOLES. ■ SLIDING CARD 	<p>Q'TY: 48 PCS N.W.: 23 KGS G.W.: 24 KGS CUFT: 1'</p>
	<p>Y58423 DOOR LOCK HOLE REFORMING TOOL WITH T HANDLE</p> <ul style="list-style-type: none"> ■ FOR THE REPAIR OF DAMAGED DOOR LOCK APERTURES. ■ SUITABLE FOR FLUSH FITTING OR RECESSED LOCK HOLES. ■ SLIDING CARD 	<p>Q'TY: 48 PCS N.W.: 23 KGS G.W.: 24 KGS CUFT: 1'</p>
	<p>Y58424 WINDSHIELD LOCKING STRIPT TOOL</p> <ul style="list-style-type: none"> ■ WEDGE OPENINGS IN 2 WIDTHS MAKE SHORT WORK OF INSTALLING NEARLY ALL LOCKING STRIPS. INCLUDES SPECIAL TIP FOR DODGE TRUCK APPLICATIONS. 4" CONTOURED HANDLE AND 4" METAL SHANK. ■ SLIDING CARD 	<p>Q'TY: 120 PCS N.W.: 21 KGS G.W.: 22 KGS CUFT: 1.5'</p>
	<p>Y58425 WINDSHIELD LOCKING STRIP TOOL</p> <ul style="list-style-type: none"> ■ TWO DOUBLE-ENDED TIPS TO FIT MOST OF CAR. THIS TOOL IS USED WHEN REPLACING THE WINDSHIELD, REAR GLASS OR SLIDING REAR GLASS ON VEHICLES WITH LOCKING STRIPS. UNIQUE DESIGN ALLOWS TIP TO SWIVEL 90° IN EITHER DIRECTION TO WORK WHERE OTHERS WON'T. SELECT THE TIP WITH OPENING THAT MOST CLOSELY FITS LOCKING STRIP. THEN INSERT INTO RUBBER MOLDING. THREAD LOCKING 	<p>Q'TY: 96 PCS N.W.: 18 KGS G.W.: 19 KGS CUFT: 1.7'</p>



ETHER DIRECTION TO WORK WHERE OTHERS
WON'T. SELECT THE TIP WITH OPENING THAT
MOST CLOSELY FITS LOCKING STRIP. THEN IN-
SERT INTO RUBBER MOLDING. THREAD LOCKING
STRIP INTO EYELET OF TOOL. WORK TOOL
AROUND WINDSHIELD WHILE FEEDING LOCKING
STRIP INTO EYELET. USE SOAP AND WATER
FOR LUBRICANT TO HELP TOOL SLIDE IN MOLD-
ING. REPLACEMENT TIPS ALL INCLUDING.
■SLIDING CARD.

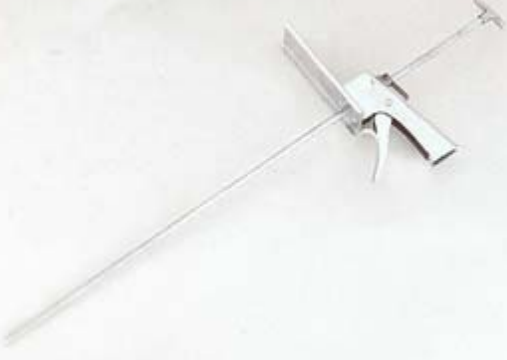




G.W.: 19 KGS
CUFT: 1.7'

BODY TOOLS

 	<p>Y58426 WINDSHIELD MOLDING/DOOR HANDLE CLIP PLIERS</p> <ul style="list-style-type: none"> ■ FOR REMOVING MOST WINDSHIELD MOLDING CLIPS AND DOOR HANDLE CLIPS. RELEASES CLIPS TO REMOVE CHROME MOLDING ON MOST WINDSHIELDS AND REAR GLASS. OFFSET HANDLE PERMITS EASY ACCESS TO MOLDING CLIPS. SLIPS UNDER DOOR HANDLE WITHOUT DAMAGE TO PANEL MATERIAL. ■ SLIDING CARD 	<p>Q'TY: 72 PCS N.W.: 12 KGS G.W.: 13 KGS CUFT: 2'</p>
 	<p>Y58427 DOOR ADJUSTER</p> <ul style="list-style-type: none"> ■ ADJUSTS DOOR HINGES ON MOST ALL CARS AND LIGHT TRUCKS. ■ WILL ADJUST DOORS WITH EITHER BOLTED OR WELDED HINGES. <p>SIMPLY SLIDE PIN END OF TOOL INTO DOOR LATCH AND CLOSE DOOR UNTILL TOOL ENGAGES DOOR STRIKER. NOW RAISE OR LOWER TOOL HANDLE TO ALIGN DOOR. COMES WITH TWO-HEADED PIN ADAPTER FOR BOTH LARGE AND SMALL LATCHES. SPECIALLY DESIGNED HANDLE. FOR OPTIMUM LEVERAGE, MAKES ADJUSTMENT FAST AND EASY.</p> <ul style="list-style-type: none"> ■ COLOR BOX 	<p>Q'TY: 6 PCS N.W.: 14 KGS G.W.: 15 KGS CUFT: 1'</p>
 	<p>Y58428 DOUGHNUT STRETCHER</p> <ul style="list-style-type: none"> ■ ONE END FEATURES AN OFFSET HOOK.FOR EASY REMOVAL, USE TO GRAB ONTO THE RUBBER MOUNTING RINGS OR "DOUGHNUTS" USED IN MANY EXHAUST SYSTEMS FOR EASY REMOVAL. ■ SLIDING CARD 	<p>Q'TY: 72 SET N.W.: 14 KGS G.W.: 15 KGS CUFT: 2'</p>
 	<p>Y58429 EXHAUST MANIFOLD SPREADER</p> <ul style="list-style-type: none"> ■ FOR REINSTALLING THE MANIFOLD ON SMALL BLOCK CHEVROLETS. ■ A SIMPLE WAY TO EXPAND A WARPED MANIFOLD SO ALL BOLT HOLES ARE ACCURATELY ALIGNED. HELPS PREVENT CROSS-THREADING OF MANIFOLD BOLTS. WORKS BEST WHEN USED IN PAIRS. OR INSTALL BEFORE REMOVING MANIFOLD TO PREVENT MISALIGNMENT. ■ SLIDING CARD. 	<p>Q'TY: 120 SET N.W.: 18 KGS G.W.: 19 KGS CUFT: 1'</p>

HOME

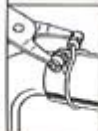
ENGINE TOOLS

	<p>Y58430 BRAKE AND ACCELERATOR PEDAL JACK</p> <ul style="list-style-type: none"> ■ TRIGGER-CONTROLLED UNIT SLIDES HANDLE TO ANY POSITION ON 28 1/2" SHAFT. THUMB LOCK RELEASES PRESSURE EASILY. USE AS PEDAL DEPRESSOR. ■ BULK 	<p>Q'TY: 24 SET N.W.: 14 KGS G.W.: 15 KGS CUFT: 4'</p>
	<p>Y58431 HOSE CLAMP PLIERS</p> <ul style="list-style-type: none"> ■ SWIVEL JAWS ARE SLOTTED FOR POSITIVE HOLDING OF LARGE OR SMALL CLAMPS AT ANY ANGLE ■ RATCHET ACTION HOLDS JAWS CLOSED IN 5 DIFFERENT POSITIONS ■ FITS ALL AUTOMOTVE AND APPLIANCE SPRING WIRE HOSE CLAMPS ■ + SLOT ■ SLIDING CARD 	<p>Q'TY: 72 SET N.W.: 15 KGS G.W.: 16 KGS CUFT: 1.5'</p>
	<p>Y58432 HOSE CLAMP PLIERS</p> <ul style="list-style-type: none"> ■ SWIVEL JAWS ARE SLOTTED FOR POSITIVE HOLDING OF LARGE OR SMALL CLAMPS AT ANY ANGLE ■ RATCHET ACTION HOLDS JAWS CLOSED IN 5 DIFFERENT POSITIONS ■ FITS ALL AUTOMOTVE AND APPLIANCE SPRING WIRE HOSE CLAMPS ■ V SLOT ■ SLIDING CARD 	<p>Q'TY: 72 SET N.W.: 15 KGS G.W.: 16 KGS CUFT: 1.5'</p>
	<p>Y58433 HOSE CLAMP PLIERS</p> <ul style="list-style-type: none"> ■ SWIVEL JAWS QRE SLOTTED FOR POSITIVE HOLDING OF LARGE OR SMALL CLAMPS AT ANY ANGLE ■ RATCHET ACTION HOLDS JAWS CLOSED IN 5 DIFFERENT POSITIONS ■ + SOLT ■ SLIDING CARD 	<p>Q'TY: 72 SET N.W.: 15 KGS G.W.: 16 KGS CUFT: 1.5'</p>
	<p>Y58434 HOSE CLAMP PLIERS</p> <ul style="list-style-type: none"> ■ SWIVEL JAWS ARD SLOTTED FOR POSITIVE HOLDING OF LARGE OR 	<p>Q'TY: 72 SET N.W.: 15 KGS</p>

HOSE CLAMP PLIERS

- SWIVEL JAWS ARE SLOTTED FOR POSITIVE HOLDING OF LARGE OR SMALL CLAMPS AT ANY ANGLE
- RATCHET ACTION HOLDS JAWS CLOSED IN 5 DIFFERENT POSITIONS
- V SOLT
- SLIDING CARD

Q'TY: ~~72~~ ^{HOME} SET
N.W.: 15 KGS
G.W.: 16 KGS
CUFT: 1.5'



ENGINE TOOLS

   <p>FLAT BAND HOSE CLAMP</p>	<p>Y58435 FLAT BAND HOSE CLAMP PLIERS</p> <ul style="list-style-type: none"> ■ REMOVES AND INSTALLS NEW STYLE FLAT BAND HOSE CLAMPS. JAWS ROTATE TO GRIP AT ANY ANGLE. ■ SLIDING CARD 	<p>Q'TY: 72 SET N.W.: 15 KGS G.W.: 16 KGS CUFT: 1.5'</p>
	<p>Y58436 HOSE CLAMP PLIER</p> <ul style="list-style-type: none"> ■ A NEW DESIGN PLIER FOR ALL KIND OF HOSE CLAMP, SPECIAL DESIGN FOR NARROW SPACE, TIPS AND JAWS SWIVEL THROUGH 360 DEGREES. ■ SLIDING CARD 	<p>Q'TY: 60 PCS N.W.: 16 KGS G.W.: 17 KGS CUFT: 1.2'</p>
	<p>Y58437 RETHREADER KIT FOR 14MM SPARK PLUGS</p> <ul style="list-style-type: none"> ■ TAP AND REAMER ■ INSERT - 3/8" LONG ■ INSERT - 7/16" LONG ■ INSERT - 5/8" LONG ■ INSERT - 13/16" LONG ■ SLIDING CARD 	<p>Q'TY: 72 SET N.W.: 12 KGS G.W.: 13 KGS CUFT: 0.75'</p>
	<p>Y58438 RETHREADER KIT FOR 18MM SPARK PLUGS</p> <ul style="list-style-type: none"> ■ TAP AND REAMER ■ INSERT - 7/16" LONG ■ INSERT - 1/2" LONG ■ INSERT - 5/8" LONG ■ INSERT - 13/16" LONG ■ SLIDING CARD 	<p>Q'TY: 72 SET N.W.: 15 KGS G.W.: 16 KGS CUFT: 0.75'</p>
	<p>Y58439 SPARK PLUG HOLE THREAD CHASER</p> <ul style="list-style-type: none"> ■ DOUBLE - ENDED FOR BOTH 14MM X 	<p>Q'TY: 120 PCS N.W.: 17 KGS</p>

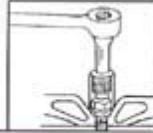
SPARK PLUG HOLE THREAD CHASER

Q'TY: 100 PCS

N.W.: 17 KGS

G.W.: 18 KGS

CUFT: 1.8'



- DOUBLE - ENDED FOR BOTH 14MM X 18MM THREADS
- CLEANS THREADS IN SPARK PLYG HOLE. USE WITH 13/16"
- SLIDING CARD

ENGINE TOOLS

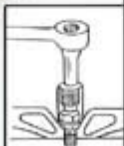
Y58440 SPARK PLUG HOLE RETHREADER



- 12MM & 14MM
- USE WITH ANY STANDARD 13/16" DEEP SOCKET.
- SLIDING CARD

Q'TY: 120 PCS
N.W.: 16 KGS
G.W.: 17 KGS
CUFT: 1.8'

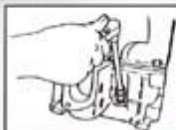
Y58441 SPARK PLUG HOLE RETHREADER



- 10MM & 12MM
- USE WITH ANY STANDARD 13/16" DEEP SOCKET.
- SLIDING CARD

Q'TY: 120 PCS
N.W.: 12 KGS
G.W.: 13 KGS
CUFT: 1.8'

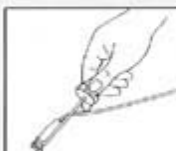
Y58442 14MM SPARK PLUG RETHREADER



- USE TO CLEAN AND RESTORE THE THREADS ON 14MM SPARK PLUG HOLES PRIOR TO INSTALLING THE SPARK PLUG. TOOL FEATURES EXTRA-LONG NECK FOR ACCESS TO RECESSED SPARK PLUG CAVITIES. GROOVE AND O-RING HOLD TOOL IN SOCKET. USE WITH 3/8" DRIVE TOOL OR 5/8" SOCKET.
- SLIDING CARD

Q'TY: 120 PCS
N.W.: 7 KGS
G.W.: 8 KGS
CUFT: 0.6'

Y58443 SPARK PLUG WIRE PULLER



- SO SIMPLE, BUT VERY EFFECTIVE ! PLACE HOOKED SHAFT BEHIND THE SPARK PLUG BOOT. PULL TOOL TO DISENGAGE BOOT. THE SQUARE SHAFT PREVENTS SLIPPING. THIS TOOL PERFORMS WELL IN DIFFICULT AREAS, SUCH AS RECESSED PLUGS AND OBSTRUCTED PLUGS.
- SLIDING CARD

Q'TY: 120 PCS
N.W.: 12 KGS
G.W.: 13 KGS
CUFT: 2.4'

Y58444 SPARK PLUG BOOT PLIER



- SAFELY REMOVE SPARK PLUG CA-

Q'TY: 72 PCS
N.W.: 19 KGS

SPARK PLUG BOOT PLIER






■ SAFELY REMOVE SPARK PLUG CABLES AND PREVENT CABLE DAMAGE. PLIERS' HANDLES AND JAWS ARE COATED WITH A HEAVY-DUTY PLASTIC FOR A SURE GRIP.

■ SLIDING CARD

Q'TY: ^{HOME} 72 PCS
N.W.: 19 KGS
G.W.: 20 KGS
CUFT: 2.4'



ENGINE TOOLS

	<p>Y58445 VISCOUS FAN HUB SPANNERS</p> <ul style="list-style-type: none"> ■ FOR REMOVAL OF THERMO, VISCOUS FAN HUBS. CRANKED FOR EASY ACCESS. ■ SIZE: 32MM ■ BMW 316i, 520i, 525i, 530i, 535i, 730i & 735i. ■ FORD CAPRI, SIERRA GRANADA 2.0 & 2.8. ■ FORD TRANSIT 2.0 1986-90. (WITH VISCOUS FAN) LCX 2.0, LCT 2.0, 2.5 DIESEL 1980-90, LCX 2.5D & LCY 2.5D. ■ SLIDING CARD 	<p>Q'TY: 72 PCS N.W.: 22 KGS G.W.: 23 KGS CUFT: 1.6'</p>
	<p>Y58446 VISCOUS FAN HUB SPANNERS</p> <ul style="list-style-type: none"> ■ FOR REMOVAL OF THERMO, VISCOUS FAN HUBS. CRANKED FOR EASY ACCESS. ■ SIZE: 36MM ■ FORD GRANADA 2.4 & 2.9. GM CARLTON, MOANTA & SENATOR. ■ SLIDING CARD 	<p>Q'TY: 72 PCS N.W.: 22 KGS G.W.: 23 KGS CUFT: 1.6'</p>
	<p>Y58447 FORD FAN CLUTCH TOOLS (FORD VISCOUS FAN HOLDING BAR)</p> <ul style="list-style-type: none"> ■ CONSISTS OF TWO EXTRA SLIM OFFSET WRENCHES AND HOLDING DEVICE FOR REMOVAL AND REPLACEMENT OF THE VISCOUS FAN CLUTCH ASSEMBLY ON FORD FALCON, FAIRLANE, ETC SUITS BOTH 6 & 8 CYLINDER ENGINES. ELONGATED SLOTS FIT OVER AND GRIP FIRMIY ON THREE OF THE STUD HEADS HOLDING THE VISCOUS FAN CLUTCH ASSEMBLY. ■ LENGTH: 27.3/4" (450MM) ■ SLIDING CARD 	<p>Q'TY: 24 PCS N.W.: 17.5 KGS G.W.: 18.5 KGS CUFT: 1'</p>
	<p>Y58448 G.M. FAN CLUTCH WRENCH</p> <ul style="list-style-type: none"> ■ THIS SPECIALTY DESIGNED TOOL IS USED IN CONJUNCTION TO LOOSEN AND TIGHTEN THE FAN CLUTCH ON 1996 AND LATER G.M. TRUCKS AND VANS. ■ THE UNIQUE DESIGN WORKS WITH BOTH 10MM & 13MM PULLEY BOLTS. THE TOOL ENABLES THE TECHNICIAN EXCELLENT CONTROL TO HOLD THE WATER PUMP PULLEY STATIONARY WHILE USING THE OPEN END WRENCH TO LOOSEN THE FAN CLUTCH. ■ SLIDING CARD 	<p>Q'TY: 24 PCS N.W.: 16 KGS G.W.: 17 KGS CUFT: 1'</p>
	<p>Y58449 ROCKER ARM STUD REMOVER AND INSTALLER</p>	<p>Q'TY: 24 SET</p>

Y58449

ROCKER ARM STUD REMOVER AND INSTALLER

■KIT CONTAINS :

- ①THRUST BEARING
- ②CENTER REMOVER SCREWS-5/16" · 3/8"
- ③OUTER SLEEVE
- ④INSTALLER SCREWS-5/16" · 3/8"

■SLIDING CARD

HOME

Q'TY: 24 SET

N.W.: 15 KGS

G.W.: 16 KGS

CUFT: 0.9'



ENGINE TOOLS

	<p>Y58450 UNIVERSAL VALVE SPRING COMPRESSOR</p> <ul style="list-style-type: none"> ■ LIGHT WEIGHT EASY TO OPERATE BY ONE PERSONAL ■ USE FOR EVERY KIND (UNIVERSAL) OF ENGINE ■ VERY EASY TO FIX & TIGHTER QUICK OPERATE. ■ OUTSIND DIMENSION : 400MM × 300MM ■ INSIDE DIMENSION : 300MM × 250MM ■ FOR USE VITH UPTO 50HP - 400HP ENGINE (600CC - 20000CC) ■ TIE ON CARD 	<p>Q'TY: 12 PCS N.W.: 25 KGS G.W.: 26 KGS CUFT: 2.3'</p>
	<p>Y58451 UNIVERSAL VALVE SPRING COMPRESSOR</p> <ul style="list-style-type: none"> ■ LIGHT VEIGHT EASY TO OPERATE BY ONE PERSONAL ■ USE FOR EVERY KIND (UNIVERSAL)OF ENGINE ■ VERY EASY TO FIX & TIGHTER QUICK OPERATE. ■ OUTSIND DIMENSION: 280MM × 190MM ■ INSIDE DIMENSION: 200MM × 150MM ■ FOR USE VITH UPTO 50HP - 250HP ENGINE (600CC - 4500CC) ■ TIE ON CARD 	<p>Q'TY: 12 PCS N.W.: 21.5 KGS G.W.: 22.5 KGS CUFT: 1'</p>
	<p>Y58452 VALVE SPRING COMPRESSOR</p> <ul style="list-style-type: none"> ■ COMPRESSES OVERHEED VALVE SPRINGS WITH ROCKER ARM STUDS. ■ THIS TOOL CAN BE USED WITH THE HEAD EITHER ON OR OFF THE ENGINE. JAWS ADJUST TO FIT MOST DOMESTIC AND IMPORT OVERHEAD VALVE ENGINES. ADJUSTABLE HANDLE ALLOWS FOR CLEARANCE IN TIGHT AREAS. COMES COMPLETE WITH STUD ADAPTER. ■ SLIDING CARD 	<p>Q'TY: 24 PCS N.W.: 16 KGS G.W.: 17 KGS CUFT: 2.5'</p>
	<p>Y58453 VALVE SPRING LIFTER</p> <ul style="list-style-type: none"> ■ DESIGNED FOR USE ON ALL SMALL CARS WITH L-HEAD ENGINES. ■ ADJUSTABLE JAWS EASILY LIFT VALVE SPRINGS AND AUTOMATICALLY LOCK AT ANY HEIGHT. TOOL PROVIDES CLEAR VIEW AND EASY ACCESS FOR SPRING REMOVAL AND REPLACEMENT. ■ SLIDING CARD 	<p>Q'TY: 36 PCS N.W.: 18 KGS G.W.: 19 KGS CUFT: 0.6'</p>
	<p>Y58454 UNIVERSAL VALVE SPRING COMPRESSOR</p> <ul style="list-style-type: none"> ■ CAPACITY 55-175MM, THROAT CLEARANCE 165MM. DESIGNED FOR USE ON MULTI VALVE PETROL AND DIESEL ENGINES WITH DEEP SEATED VALVES. ALSO SUITABLE FOR GEN- 	<p>Q'TY: 10 PCS N.W.: 21 KGS G.W.: 22 KGS</p>



■ CAPACITY 55-175MM, THROAT CLEARANCE
165MM. DESIGNED FOR USE ON MULTI VALVE
PETROL AND DIESEL ENGINES WITH DEEP
SEATED VALVES. ALSO SUITABLE FOR GEN-
ERAL USE ON A WIDE RANGE OF OHC, OHV,
AND CVH ENGINES. UNIVERSAL MODEL WITH
UNIQUE DUAL CAM-ACTION, PARALLEL LIFT,
AND AUTOMATIC LOCKING. REVERSIBLE
JAW/ADAPTOR.
■ COLOR SLEEVE

Q'TY: 10 PCS
HOME
N.W.: 21 KGS
G.W.: 22 KGS
CUFT: 0.8'

ENGINE TOOLS



Y58455

VALVE SPRING COMPRESSOR

- FOR LARGE ENGINES & DIESEL ENGINES
- UNIQUE 'DIRECT ACTION' COMPRESSOR LEVER GIVES IMPROVED VISIBILITY & EASE OF USE IN AREAS OF DIFFICULT ACCESS.
- COLLET RELEASE ADAPTERS: RESTRICTED ACCESS ADAPTER, 25MM, 30MM
- COLOR SLEEVE

Q'TY: 6 PCS
N.W.: 14 KGS
G.W.: 15 KGS
CUFT: 1'



Y58456

CVH VALVE SPRING COMPRESSOR FORD ENGINES

- PERMITS VALVE STEM SEAL AND VALVE SPRING REPLACEMENT WITHOUT THE NEED TO REMOVE THE CYLINDER HEAD. SUPERIOR CAST DESIGN WITH RADIUSED FULCRUM FOR SMOOTH SPRING COMPRESSION SUITABLE FOR CVH FORD ENGINES 1.3, 1.4 AND 1.6 AS FITTED TO ESCORT (INC. XR3I AND RS TURBO)FIESTA (INC.RS TURBO)AND ORION.
- SLIDING CARD

Q'TY: 72 PCS
N.W.: 21 KGS
G.W.: 22 KGS
CUFT: 0.8'



Y59257

FUEL SYSTEM TOOL SET

- GENERAL APPLICATIONS
- 1.6228-1 3MM HEX:ZENITH(STROMBERG) 150 CD3, JAGUAR, LOTUS, MG, LAND ROVER, RANGE ROVER AND SAAB
- 2.6228-2 145MM FLEXIBLE EXTENSION
- 3.6228-3 HANDLE
- 4.6228-4 BIT SET:TX 20 FORD W CARBS, FUEL PUMPS ETC. 3MM HEX 'K' JETRONIC, 5MM HEX 'L' JETRONIC, 3MM FLAT, 5MM FLAT, CROSSPOINTS NO 1 & 2 POZIDRIVE NO 1 & 2 1/4" A/F SQ. DR. CONVERTOR
- 5.6228-5 95MM EXTENSION
- 6.6228-6 FORD:WEBER TLDM, DFTM, 2V, TLM, TLD, DFT ETC. FORD FIESTA, ESCORT AND ORION 1989
- 7.6228-7 17MM(0.6") SU/SU HIF ROVER MINI AND METRO
- 8.6228-8 0.34", 1/2" SU/SU HIF. ROVER MINI AND METRO
- 9.6228-9 ZENITH CD, OPEL/VAUXHALL
- 10. 6228-10 ZENITH(STROMBERG) CD LAND ROVER,SAAB, VAUXHALL AND VOLVO
- 11. 6228-11 NIKKI, HITACHI, NISSAN AND SUBARU
- 12. 6228-12 ZENITH
- 13. 6228-13 AISAN AND MIKUNI, TOYOTA, AND MITSUBISHI
- BLOW CASE AND COLOR BOX

Q'TY: 12 SET
N.W.: 16 KGS
G.W.: 17 KGS
CUFT: 1.9'



Y59258

9 PCS CARBURETTOR TUNING SET

- A COMPREHENSIVE SPECIALISED TOOL KIT COVERING MOST POPULAR CARBURETTOR AND FUEL INJECTION SYSTEMS.

CONTENTS:

- 6228-15 BOSCH K-TRONIC MIXTURE ADJUSTMENT
- 6228-09 BOTTOM FITTING CD AND CDS
- 6236-01 TAMPERPROOF MIXTURE ADJ-FORD CVH
- 6236-02 WEBER 0.8X4MM BLADE
- 6236-06 STROMBERG DIAL PURPOSE TOOL

Q'TY: 24 PCS
N.W.: 15.5 KGS
G.W.: 16.5 KGS
CUFT: 2.7'



- 6228-09 BOTTOM FITTING CD AND CDS
- 6236-01 TAMPERPROOF MIXTURE ADJ-FORD CVH
- 6236-02 WEBER 0.8X4MM BLADE
- 6236-06 STROMBERG DUAL PURPOSE TOOL
- 6236-03 AISAN AND MIKUNI/TOYOTA VENTURI
- 6236-04 NIKKI AND HITACHI - DATSUN/SUBARU
- 6236-05 FLOAT NEEDLE VALVE SPANNER
- 6236-16 BOSCH L-TRONIC MIXTURE ADJUSTMENT

■ BLOW CASE AND COLOR BOX

N.W.: 15.5 KGS
G.W.: 16.5 KGS
CUFT: 2.7'

SUSPENSION & UNDERCAR TOOLS

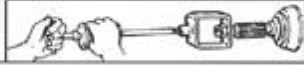
 	<p>Y58457 CV BOOT CLAMP PLIERS</p> <ul style="list-style-type: none"> ■ FOR EARLESS-TYPE CLAMPS ■ A STURDY, LOW-COST TOOL. WORKS ON EARLESS-TYPE CLAMPS INCLUDING THOSE FOUND ON GM INBOARD CV JOINTS. ■ SLIDING CARD 	<p>Q'TY: 72 PCS N.W.: 22 KGS G.W.: 23 KGS CUFT: 2.2'</p>
 	<p>Y58458 OFFSET BOOT CLAMP PLIERS</p> <ul style="list-style-type: none"> ■ CRIMPS EAR-TYPE CLAMPS IN HARD-TO REACH AREAS. ■ A SPECIAL BOOT CLAMP CRIMPING PLIER DESIGNED TO WORK IN CONFINED SPACE. USE PLIER PARALLEL TO THE BOOT TO CRIMP THE CLAMP. UNIQUE OFFSET DESIGN ALLOWS YOU TO WORK ON CLAMPS ON LARGE SIZE BOOTS. TOP PLATE ON PLIERS FLATTENS CRIMP. WORKS ON MOST ALL EAR-TYPE CLAMPS EXCEPT THOSE REQUIRING A TORQUE READING. ■ SLIDING CARD 	<p>Q'TY: 48 PCS N.W.: 16 KGS G.W.: 17 KGS CUFT: 1.8'</p>
 	<p>Y58459 C-V JOINT BOOT CLAMP PLIERS</p> <ul style="list-style-type: none"> ■ FOR EAR TYPE CLAMPS. FITS LATE MODEL GM CV JOINT BOOTS. ALSO INSTALLS PERMA-QUICK TYPE CLAMPS QUICKLY AND EASILY USE FOR FILTER, COOLING SYSTEM AND VACUUM LINES. ■ SLIDING CARD 	<p>Q'TY: 48 PCS N.W.: 17 KGS G.W.: 18 KGS CUFT: 1.6'</p>
  	<p>Y58460 C-V DUST BOOT CLAMP INSTALLER WITH CUTTER</p> <ul style="list-style-type: none"> ■ THSI HEAVY DUTY PROFESSIONAL TOOL IS USED TO FROM, INSTALL AND CUT CLAMP. 	<p>Q'TY: 36 PCS N.W.: 20 KGS G.W.: 21 KGS CUFT: 2.2'</p>
 	<p>Y58461 C-V JOINT BOOT REMOVER/INSTALLER</p> <ul style="list-style-type: none"> ■ REMOVES AND INSTALLS C-V JOINT BOOTS AND RETAINING RINGS. FITS GM FWD VEHICLES WITH PREFORMED RETAINING RINGS. CAN BE USED ON OR OFF THE CAR. COMPLETE INSTRUCTIONS INCLUDED. ■ COLOR BOX 	<p>Q'TY: 12 PCS N.W.: 27 KGS G.W.: 28 KGS CUFT: 2.2'</p>
	<p>Y58462 FRONT-WHEEL-DRIVE AXLE PULLER</p>	<p>Q'TY: 24 PCS</p>



Y58462
FRONT-WHEEL-DRIVE AXLE PULLER
ADAPTER

■ USE TO REMOVE THE AXLE ASSEMBLY WHEN
SERVICING FRONT-WHEEL DRIVE VEHICLES.
USE WITH 5/8"-18 THREAD.

■ SLIDING CARD



HOME



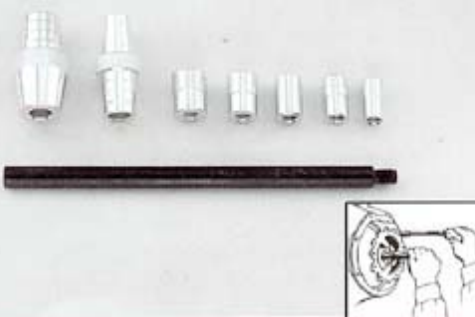



Q'TY: 24 PCS

N.W.: 16 KGS

G.W.: 17 KGS

CUFT: 1'

SUSPENSION & UNDERCAR TOOLS

	<p>Y58463 TRANSMISSION CLUTCH SPRING COMPRESSOR</p> <ul style="list-style-type: none"> ■ COMPRESSES AUTOMATIC TRANSMISSION CLUTCH SPRINGS FOR FAST, EASY REMOVAL AND INSTALLATION OF SNAP RINGS ADJUSTABLE FOR MOST CARS AND TRUCKS. ■ COLOR BOX 	<p>Q'TY: 12 PCS N.W.: 16 KGS G.W.: 17 KGS CUFT:1.9'</p>
	<p>Y58464 CLUTCH ALIGNMENT TOOL</p> <ul style="list-style-type: none"> ■ FASTER, EASIER REPLACEMENT OF CLUTCHES. ■ ALIGN CLUTCH PLATES AND PILOT BEARINGS ACCURATELY. SHAFT AND BUSHINGS PROVIDE AN ACCURATE FIT FOR EIGHT PILOT BEARING SIZES. TWO TURNED SIZES (1" AND 1 1/8") FIT 90% OF THE CLUTCH PLATES AND THE TAPERED CONE HANDLES THE REST. ■ SLIDING CARD 	<p>Q'TY: 36 PCS N.W.: 14 KGS G.W.:14.5KGS CUFT: 2 '</p>
	<p>Y58465 METRIC CLUTCH ALLGNMENT TOOL</p> <ul style="list-style-type: none"> ■ FOR FASTER, EASIER REPLACEMENT OR REPAIR OF METRIC CLUTCHES. ■ TOOL CONSISTS OF THE SHAFT, TEN PILOT BUSHINGS AND TWO PLATE ALIGNMENT CONES WITH GRADUATED TURNED DIAMETERS FOR "AUTOMATIC" FIT OF MOST METRIC CLUTCH PLATES. A TAPERED CONE TO FIT ALL OTHERS IS PROVIDED. ■ SLIDING CARD 	<p>Q'TY: 36 PCS N.W.: 14 KGS G.W.: 14.5GS CUFT:2 '</p>
	<p>Y58466 BEARING RACE AND SEAL DRIVER</p> <ul style="list-style-type: none"> ■ MAKES IT EASIER TO INSERT BEARING RACE. ■ INSERT BEARING RACE QUICKLY, STRAIGHT IN ON FIRST TRY! HELPS REDUCE DAMAGE TO BOTH RACE AND AXLE HOUSING. SIX DISC SIZES FIT MOST BEARING RACE SIZES. TURN DISCS OVER TO DRIVE SEALS. ■ SLIDING CARD. 	<p>Q'TY: 24 PCS N.W.:16.5KGS G.W.:17.5KGS CUFT:1.2'</p>
	<p>Y58467 BEARING RACE AND SEAL DRIVER-MASTER SET</p> <ul style="list-style-type: none"> ■ MAKES IT EASIER TO INSERT WHEEL BEARING RACE AND SEALS WITHOUT DAMAGE TO RACE AND AXLE HOUSING. THEIR MASTER SET INCLUDES NINE DISC SIZES TO FIT MOST STANDARD WHEEL BEARINGS. TURN DISCS OVER TO DRIVE SEALS. PACKAGES IN CONVENIENT CLAM SHELL FOR STORAGE. ■ BLOW CASE AND COLOR BOX 	<p>Q'TY: 12 PCS N.W.:21.5KGS G.W.:22.5KGS CUFT:1.8'</p>
	<p>Y58468 UNIVERSAL SHOCK ABSORBER</p>	<p>Q'TY: 48 PCS</p>



■ BLOW CASE AND COLOR BOX

HOME



Y58468

UNIVERSAL SHOCK ABSORBER

TOOL

- FOR REMOVING AND INSTALLING SHOCK NUTS.
- TWO STEM SOCKETS TO FIT MOST ALL SHOCK STEMS. THE NUT SOCKET IS DOUBLE-ENDED TO FIT MOST SHOCK NUTS.
- SLIDING CARD

Q'TY: 48 PCS

N.W.: 18 KGS

G.W.: 19 KGS

CUFT: 1.2'

SUSPENSION & UNDERCAR TOOLS

	<p>Y58469 GM10 STRUT TOOL</p> <ul style="list-style-type: none"> REMOVES GM10 MODEL MACPHERSON STRUT CARTRIDGE ON THE CAR! TOOL COMPLETELY REMOVES AND INSTALLS STRUT CARTRIDGE THROUGH THE STRUT TOWER. COMES WITH HANDLE, SPANNER WRENCH AND T-50 TORX BIT TO QUICKLY REMOVE AND REPLACE STRUT CARTRIDGE. WORKS ON ALL GM10 MODELS INCLUDING. 1988-UP GRAND PRIX, BUICK REGAL, CUTLASS SUPREME AND 1990-UP CHEVROLET LUMINA. COMPLETE INSTRUCTIONS WITH TOOL. USE WITH 1/2" SQUARE DRIVE. DOUBLE BLISTER 	<p>Q'TY: 12 PCS N.W.: 18 KGS G.W.: 19 KGS CUFT:1.3'</p>
	<p>Y58470 COIL SPRING COMPRESSOR</p> <ul style="list-style-type: none"> USE TOOL TO REMOVE AND INSTALL AUTOMOTIVE COIL SPRINGS UP TO 5-5/8" OD. DESIGNED TO GRASP A MAXIMUM 3/4" WIRE DIAMETER SPRING, COMPRESSOR CAN BE USED ON STRAIGHT OR CURVED COIL SPRINGS. FORGED ALLOY STEEL ARMS HUG CONTOUR OF HELIX. READ INSTRUCTIONS CAREFULLY BEFORE USING. SLIDING CARD 	<p>Q'TY: 12 PCS N.W.: 17 KGS G.W.: 18 KGS CUFT:0.5'</p>
	<p>Y58471 INNER TIE ROD CRIMPER TOOL</p> <ul style="list-style-type: none"> WORKS ON ALL GM AND CHRYSLER VEHICLES HAVING SAGINAW STEERING GEAR ASSEMBLIES. BETTER AND FASTER THAN THE HAMMER AND CHISEL METHOD. THIS HANDY TOOL LETS YOU CRIMP THE TIE ROD HOUSING TO THE FLATS ON THE RACK TO KEEP IT FROM COMING LOOSE. AND YOU CAN DO IT WHILE THE STEERING GEAR IS STILL IN THE VEHICLE. THAT SAVES A LOT OF TIMER SLIDING CARD 	<p>Q'TY: 20 PCS N.W.: 23 KGS G.W.: 24 KGS CUFT:1.6'</p>
	<p>Y58472 FIRST MOTION SHAFT PULLER</p> <ul style="list-style-type: none"> FOR OPEL AND VAUXHALL GEAR BOXES ON VEHICLES WITH TRANSVERSE ENGINES. CONTENTS. 008S SLIDE HAMMER, 097 FIRST MOTION SHAFT ADAPTOR, ONE SET OF 096 CLUTCH RETAINING CLIPS. BLOW CASE AND COLOR BOX 	<p>Q'TY: 12 PCS N.W.: 17 KGS G.W.: 18 KGS CUFT: 0.5'</p>
	<p>Y59261 FORD SUBFRAME ALIGNMENT PINS</p>	<p>Q'TY: 12 PCS</p>



Y59261

FORD SUBFRAME ALIGNMENT PINS

■ FOR ALIGNING SUBFRAMES ON POST 1989 FORD FIESTAS, 1991-95 FORD ESCORTS AND ALL FORD MONDEOS. SOLD IN PAIRS, PACKED IN BLOW MOULD STORAGE CARRYING CASE WITH DISPLAY SLEEVE. DISPLAY PACKED.

■ BLOW CASE AND COLOR BOX

HOME

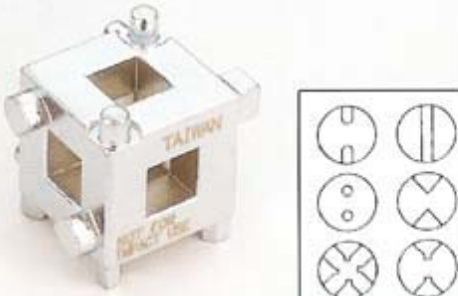




Q'TY: 12 PCS

N.W.: 13 KGS

G.W.: 14 KGS

CUFT: 1'

BRAKE TOOLS

	<p>Y58473 DISC BRAKE PISTON "CUBE"</p> <ul style="list-style-type: none"> ■ A MUST FOR REITNING MOST REAR DISC BRAKES. ROTATES PISTONS BACK INTO BRAKE CALIPERS WHEN REPLACING PADS. UNIQUE 'CUBE' DESIGN PROVIDES FIVE DRIVE PIN CONFIGURATIONS TO FIT MOST APPLICATIONS. USE WITH 3/8" DRIVE TOOLS. ■ SLIDING CARD 	<p>Q'TY: 72 PCS N.W.: 9 KGS G.W.: 10 KGS CUFT: 1'</p>
	<p>Y59259 BRAKE CALIPER PISTON TOOL</p> <ul style="list-style-type: none"> ■ A COMPREHENSIVE KIT FOR BOTH PUSH-BACK & WIND-BACK DISC BRAKE PISTON SERVICE APPLICATIONS ON 'COLLETE' TYPE BRAKE ASSEMBLIES. ■ ESSENTIAL FOR BRAKE PAD REPLACEMENT & CALIPER SERVICING. ■ ENABLES NECESSARY PRESSURE TO BE APPLIED TO RETURN PISTON INTO HOUSING & PROVIDE CLEARANCE FOR NEW PADS TO BE FITTED. ■ KIT COMPRISES, MAIN BODY/SCREW ASSEMBLY, SPECIAL LOCATING PLATE & 5 ADAPTERS COVERING WIND-BACK TYPE FORD, ROVER, HONDA, MERCEDES, TOYOTA, VW-AUDI, NISSAN, BMW, MAZDA, MITSUBISHI, PEUGEOT, SUBARU. ■ BLOW CASE AND COLOR BOX 	<p>Q'TY: 12 PCS N.W.: 17 KGS G.W.: 18 KGS CUFT: 0.9'</p>
	<p>Y58474 BRAKE PIN PUNCH</p> <ul style="list-style-type: none"> ■ PARALLEL PIN PUNCHES FOR THE REMOVAL OF BRAKE CALIPER DISC RETAINING PINS. ■ FOR BRAKE CALIPER DISC PAD RETAINING PINS. ■ FITS MOST VEHICLES. ■ SIZE: 165 X 5.5mm ■ SLIDING CARD 	<p>Q'TY: 120PCS N.W.: 9 KGS G.W.: 10 KGS CUFT: 2'</p>
	<p>Y58475 BRAKE PIN PUNCH</p> <ul style="list-style-type: none"> ■ USES A PILOT TIP TO AID LOCATION IN HOLLOW PINS USED ON GM CALLIPERS. ■ SUITABLE FOR VAUXHALL/OPEL ASCONA, ASTRA, BELMONT, CAVALIER, CORSA, KADETT, AND VECTRA. ■ SIZE: 165 X 6.0MM ■ SLIDING CARD 	<p>Q'TY: 120 PCS N.W.: 9 KGS G.W.: 10 KGS CUFT: 2'</p>
	<p>Y59260 AXLE SPINDLE RETHREADING SET</p> <ul style="list-style-type: none"> ■ 8PCS THREAD RESTORING DIE SET IS USED TO CLEAN OR REPAIR AXLE THREADS ON SPINDLES OF 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 20 UNEF, 3/4" X 20 UNEF. USE WITH 1-1/4" SOCKET OR WRENCH ■ NO. 5501 1.25 TAPERED DIE, M24 X 1.50 	<p>Q'TY: 36 PCS N.W.: 21 KGS G.W.: 22 KGS</p>



OR REPAIR AXLE THREADS ON SPINDLES OF
M24×1.50, M24×2.00, M22×1.00, M22×1.50, M20×1.50,
M20×1.25, 13/16"×20UNEF, 3/4"×20UNEF. USE WITH
1-1/4" SOCKET OR WRENCH

- NO. 6504-1 RETHREADER DIE. M24×1.50.
- NO. 6504-2 RETHREADER DIE. M24×2.00.
- NO. 6504-3 RETHREADER DIE. M22×1.00.
- NO. 6504-4 RETHREADER DIE. M22×1.50.
- NO. 6504-5 RETHREADER DIE. M20×1.50.
- NO. 6504-6 RETHREADER DIE. 3/4"×20.
- NO. 6504-7 RETHREADER DIE. 13/16"×20.
- NO. 6504-8 RETHREADER DIE. M20×1.25.
- BLOW CASE AND COLOR BOX

Q'TY: 36 PCS
HOME
N.W.: 21 KGS
G.W.: 22 KGS
CUFT: 2.4'

**WE SPECIALIZE IN ALL KIND OF SPECIAL SCREWS
FASTENERS AND WING NUTS WE ALSO WELCOME
CUSTOMER DESIGN AND OEM ORDER**





HOME

BODY TOOLS



Y58164

TAPERED REAMER
CAPACITY : 1/8" TO
3/8" (3mm TO 10mm)



Y58165

TAPERED REAMER
CAPACITY : 5/32" TO
1 7/32 (4mm TO 31mm)



Y58166

STAINLESS STEEL
WINDSHIELD CUT
OUT (22 M)



Y58167

WINDSCREEN WIPER
ARM REMOVAL TOOL



Y58168

WINDOW MOLDING
REMOVER



Y58169

WINDSHIELD CUT-OUT
WIRE



Y58170

SELF-TIGHTENING CLAM-
PS (1 1/2") AW-5 TON)



Y58171

SELF-TIGHTENING CLA-
MPS (2" JAW-6 TON)



Y58172

SELF-TIGHTENING
CLAMPS (2 1/4")
JAW-6 TON)



Y58173

CORROSION ASSESSMENT
TOOL



Y58174
SMALL PARTS
CLEANING
BASKET



Y58175

WINDOW MOLDING
REMOVER



Y58176
WIRE GUIDE



Y58177

WIRE GRIPPING
HANDLES

BODY TOOLS



Y58178
"HUSTLER" (POGO-STICK)



Y58179
HEADLIGHT ADJUSTING
RETCHET FOR FORD



Y58180
WIRE GUIDE



Y58181
5 POUND KNOCKER SET



Y58182
CLIP REMOVAL PLIERS



Y58183
CLIP REMOVAL PLIERS



Y58184
SEAL PULLER

BODY TOOLS



Y58185
WINDSHIELD WIPER ARM
REMOVER



Y58186
BODY AND FENDER DENT PULLER



Y58187
CLIP REMOVAL
PLIERS(35°)



Y58188
CLIP REMOVAL
PLIERS(80°)



Y58189
2PCS CLIP REMOVAL
PLIERS(35°,80°)
(2005 NEW)



Y58190
INSIDE REARVIEW
MIRROR ROMOVAL
TOOL
(2005 NEW)

BODY TOOLS



Y58191
MUSIC WIRE
PIERCING TOOLS



Y58192
AIR INFLATE FOR
UNLOCK DOOR
(VEHICLE)
(2005 NEW)



Y58193
BODY DENT REMOVER
(2005 NEW)



Y58194
UNIVERSAL DOOR HANDLE CLIP
REMOVER W/GRIP
(2006 NEW)



Y58195
WINDSHIELD REMOVING TOOL KIT
(2006 NEW)



Y58196
HEAVY-DUTY
WINDSHIELD WIPER
PULLER
(2006 NEW)

BRAKE TOOLS



Y58197

HEAVY-DUTY TRUCK BRAKE SPRING PLIER



Y58198

BRAKE SPRING PLIER & CLAW



Y58199

PARKING BRAKE SPRING COMPRESSOR



Y58200

PROFESSIONAL BRAKE SPRING TOOL



Y58201

CROSS TYPE BRAKE SPRING COMPRESSOR



Y58202

DRUM BRAKE SPRING PLIERS



Y58203

REAR DISC BRAKE CALIPER TOOL



Y58204

DRUM BRAKE SPRING PLIERS



Y58205

BRAKE SPRING PLIERS



Y58206

LUCAS REAR BRAKE ADJUSTING TOOL



Y58207

AXLE STUD CONE PLIER



Y58208

4 PCS LOCKING DRUM BRAKE PISTONS



Y58209

DISC BRAKE PAD SPREADER



Y58210

LUCAS GIRLING BRAKE SPRING TOOL



Y58211

DISC BRAKE PISTON SPREADER

BRAKE TOOLS



Y59149
10PCS. PROFESSIONAL BRAKE
TOOL SET



Y59150
8-PIECE BRAKE TOOL SET



Y59151
CAR & TRUCK BRAKE RIVETTER

BRAKE TOOLS



Y58212
BRAKE SHOE ADJUST TOOL



Y58213
BRAKE CALIPER PIN PUNCH (GM
VAUXHALL / OPEN)



Y59152
6 PIECE DOWEL
PIN PUNCH SET



Y58214
BRAKE SHOE
SPREADER
PLIERS



Y58215
WHEEL STUD
ALIGNMENT
GUIDE TOOL



Y58216
HANDBRAKE
CABLE SPRING
PLIERS



Y59153
DISC BRAKE CALIPER
TOOL ADAPTORS KITS

BRAKE TOOLS



Y59154
8PCS MANUAL BRAKE
GAUGE SET
(2005 NEW)



Y58217
BRAKE
CALIPER PLIER
(2005 NEW)



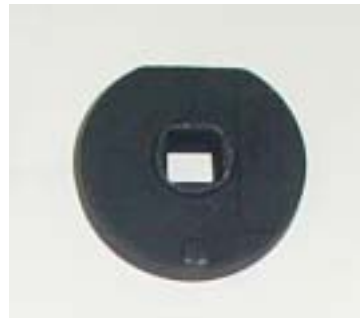
Y58218
WHEEL STUD ALIGNMENT
GUIDE TOOL



Y58219
HEAVY DUTY BRAKE
PAD SEPARATOR
(2006 NEW)



Y59155
DISC BRAKE CALIPER TOOL ADAPTORS
KITS(18PCS)



Y58220
GM-FORD DISC BRAKE PISTION TOOL
(2006 NEW)



Y59156
UNIVERSAL DISC PAD
SPREADER

Brake Tools New


58876 Brake Fluid Tester



- ▶ To check the quality of brake fluid.
- ▶ 5 LEDs to indicate percentage of water in the brake fluid.
- ▶ Battery=1.5V AAA.
- ▶ Suitable for DOT4.










- ▶ Quality is tested and indicated on five LEDs in terms of percentage of water in the brake fluid.










 Battery OK;
 no water

 Less than
 1% of water

 Approx.2%
 of water.

 Approx.3%
 of water,
 The brake
 fluid should
 be changed.

 At least 4%
 of water,
 The brake
 fluid must
 be changed
 urgently!
 danger!



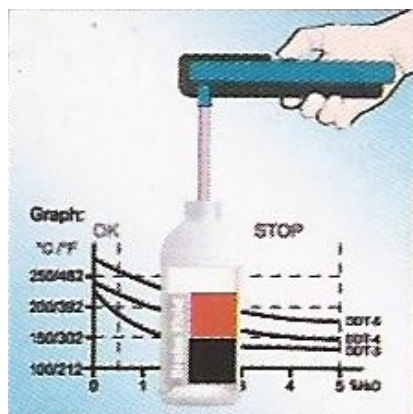
Brake Tools New

Brake Fluid Tester Model No. 58881

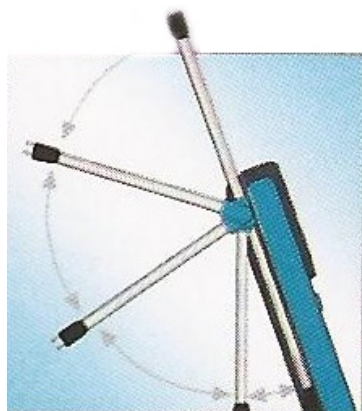


ELECTRIC POLE

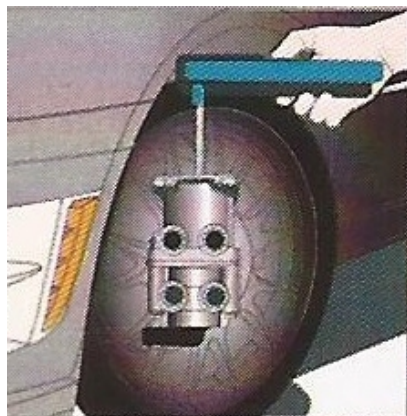
Insert the test head into the new brake oil about 2cm deep, or expose the test head in dry air directly. Comparative electrolyte-type tester which passes current through the fluid and measures any resistance present.



New brake fluid testing



180° pucker



Used brake fluid testing

Power Supply :

9V(6F22) battery x 1pc

Dimensions :

175 x 70 x 29mm

Weight : Approx. 160g

ENGINE TOOLS



Y58221
STEERING WHEEL
HOLDER



Y58222
HOSE CLAMP PLIERS



Y58223
ANGLED FLAT BAND
HOSE CLAMP PLIERS



Y58224
VISCIOUS FAN HUB
SPANNERS



Y59157
PISTON RING COMPR-
ESSOR SET



Y59158
PROFESSIONAL UNIVER-
SAL FLRING TOOL



YF59159
VALVE KEEPER INSTA-
LING & PICK UP TOOL



Y58225
FLEXIBLE HOSE CLAMP



Y58226
REACTION WRENCH



Y58227
65 MM SINGLE-ENDED
OPEN WRENCH



Y58228
REACTION TOOL



Y58229
FAN BELT TIGHTENER



Y58230
REVERSIBLE FILTER
WRENCH



Y58231
FILTER WRENCH

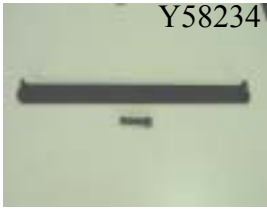


Y58232
HOSE REMOVER
PLIERS



Y58233
ANGLE TIP RELAY PLIERS

ENGINE TOOLS



Y58234

NISSAN QUEST FAN
BELT SERVICE WRENCH



Y58235

UNIVERSAL CAMSHAFT
PULLEY HOLDING TOOL



Y58236

UNIVERSAL PULLEY
HOLDER



Y58237

OVERHEAD VALVE SPR-
ING COMPRESSOR



Y58238

RELAY AND FUSIBLE
LINK PLIERS



Y58239

3 PCS FUEL LINE DISCO-
NNECT SET



Y58240

POWER STEERING PU-
MP PULLEY INSTALLER



Y58241

BMW PULLEY HOLDER



Y58242

BMW PULLEY HOLDER



Y58243

BMW PULLEY HOLDER



Y58244

CYLINDER HEAD
HOLDERS SET



Y58245

FORD CAM POSITIONING
TOOL



Y59160

PETROL ENGINE
COMPRESSION TESTER
SET



Y59161

DIESEL ENGINE COMPR-
SSION TESTER SET
(CARS)



Y59162

DIESEL ENGINE COMPR-
SSION TESTER SET
(C.V.S)



Y59163

OIL PRESSURE TESTER
SET

ENGINE TOOLS



Y59164
VALVE REFACING AND
SEATING TOOLS
(15 PCS)



Y59165
VALVE REFACING
AND SEATING
TOOLS (10PCS)



Y58246
UNIVERSAL AUTO-
MOTIVE OIL FILTER
WRENCH



Y58247
HEAVY-DUTY FILTER
WRENCH



Y58248
BELT TENSIONING
ADJUSTERS (41mm)



Y58249
BELT TENSIONING ADJU-
STERS (46mm)



Y58250
UNIVERSAL OXYGEN
SENSOR WRENCH



Y58251
FORD 7.3L FUEL
LAP TOOL



Y58252
CLIC-R COLLAR
PLIERS



Y58253
FILTER WRENCH



Y58254
CALIBRATED LGNITION
TESTER (HEI)



Y58255
CALIBRATED LGNITION
TESTER (SM ENG)



Y59166
10PC. SCREW EXTR-
ACTOR/DRILL &
GUIDE SET



Y59167
4 PCS FORD CAM
POSITIONING TOOL



Y59168
12PCS ENGINE
TIMING SET-LAND
ROVER



Y59169
ENGINE TIMING
SPROCKET LOCKING
DEVICE TOOL

ENGINE TOOLS



Y59170
STEERING WHEEL HOLDER
AND PEDAL DEPRESSOR KIT



Y58256
CAMSHAFT LOCKING
TOOL



Y58257
CAMSHAFT LOCKING
TOOL



Y58258
CAMSHAFT LOCKING
TOOL



Y58259
CAMSHAFT LOCKING
TOOL



Y58260
CAMSHAFT LOCKING
TOOL



Y58261
FLY WHEEL HOLDING
TOOL

Y58262
CRANKSHAFT
LOCKING TOOL
(FOR VOLKSWAGEN)



Y59171
TIMING LOCKING TOOL KIT



Y58263
TRUCK OIL FILTER
WRENCH (STRAP
TYPE)



Y58264
4 PCS FORD CAM
POSITIONING TOOL

ENGINE TOOLS



Y59172

ADJUSTABLE HOOK SPANNER WRENCH

- . NEEDED WHERE TURRET ADJUSTING NUTS OR PACKING GLAND NUTS ARE USED.
- . CAPACITY : 1.1/2" TO 4" (38 TO 100M)
- . LENGTH : 24 " (610 MM)
- . HANDLE DIAMETER : 11/16 " (18 MM)



Y59173

ADJUSTABLE HOOK SPANNER WRENCH

- . HEAVY-DUTY DROP FORGED JAWS ADJUST TO ELEVEN POSTIONS FOR SERVICING INDUSTRIAL TRACTORS AND OTHER EQUIPMENT.
- . SUPPLIED WITH ONE JAW 3/8 " (9.5 MM) THICK.
- . CAPACITY : 4.3/4 " TO 12. 3/4 " (120 TO 325 MM)
- . LENGTH : 24 " (610 MM)
- . HANDLE DIAMETER : 1 " (25 MM)



Y59174

ADJUSTABLE HOOK SPANNER WRENCH

- . HEAVY-DUTY DROP FORGED JAWS ADJUST TO ELEVEN POSITIONS FOR SERVICING INDUSTRIAL TRACTORS AND OTHER EQUIPMENT.
- . THICK & 1× 3/4 " (19 MM) THICK.
- . CAPACITY : 4.3/4 " TO 12. 3/4 " (120 TO 325 MM)
- . LENGTH : 24 " (610 MM)
- . HANDLE DIAMETER : 1 " (25 MM)

ENGINE TOOLS



Y59175

HEAVY-DUTY DOUBLE SHEAR DESIGN WITH DROP FORGED JAWS WHICH ADJUSTS TO ELEVEN POSITIONS FOR SERVICING INDUSTRIAL TRACTORS AND OTHER HEAVY EQUIPMENT.

SUPPLIED WITH ONE JAW 3/4" (19 MM) THICK.

CAPACITY : 4.3/4" TO 12. 3/4" (120 TO 325 MM)

LENGTH : 25.3/4" (655 MM)

HANDLE DIAMETER : 1.5/16" (33 MM)



Y58265

2 WAY VISCOUS FAN
SPANNER



Y58266

ADJUSTABLE SPANNER
WRENCH



Y58267

VISCOUS FAN HOLDING TOOL
(BMW , FORD , VAUXHALL / OPEN)



Y59176

7PCS UNIVERSAL HOSE CLAMP
PLIERS KIT



Y59177

UNIVERSAL PULLEY HOLDER & FAN
CLUTCH SET

ENGINE TOOLS



Y59178
UNIVERSAL PULLEY HOLDER & FAN
CLUTCH



Y58268
CUMMINS ENGINE TURNING
TOOL



Y58269
CAMSHAFT SETTING / LOCKING TOOL
. FORD / MAZDA



Y59179
UNIVERSAL VALVE ADJUSTMENT TOOLS



Y59180
10PCS TUNE-UP KIT



Y59181
UNIVERSAL VALVE
LIFTER



Y58270
2PCS LAMBDA
SENSOR
SOCKET THREAD
CHASER



Y58271
SOLDERING AID TOOL

ENGINE TOOLS



Y58272
VALVE STEM
SEAL RING
PLIERS



Y58273
EXTRA LONG VALVE
SEAL RING PLIERS



Y58274
REACTION WRENCH (VW, AUDI)



Y58275
REACTION WRENCH (VW, GOLF,
PASSAT, AUDI)

Y59182
RADIO REMOVAL TOOL SET



Y58276
VALVE SPRING
COMPRESSOR

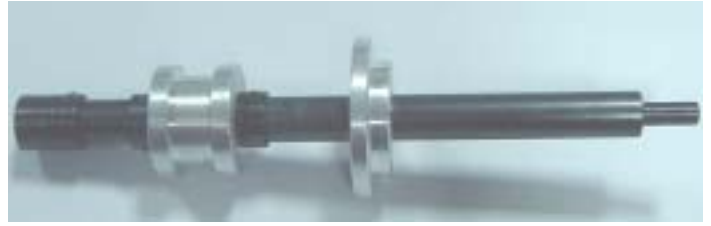


Y58277
FORD LIFTER BLEED DOWN TOOL

ENGINE TOOLS



Y58278
OIL PUMP PRIMERS
(FORDS WITH 5/16" HEXES)



Y58279
GM V-6 AND V-8 OIL PUM
PRIMER



Y58280
OIL PUMP SCREEN INSTALLER
TOOL



Y58281
OIL PUMP PRIMER (FORDS WITH 1/4"
HEXES)



Y58282
OIL PAN SEPARATOR
TOOL



Y58283
SPARK PLUG
TERMINAL PLIERS



Y59183
18PCS RADIO REMOVAL
TOOL SET



Y59184
VALVE SEAL
REMOVAL &
INSTALLER KIT
(2005 NEW)



Y58284
NORTHSTAR WATER
PUMP SOCKET

ENGINE TOOLS



Y58285
CAMSHAFT&INJECTION PUMP SPROCKET
HOLDIN TURNING TOOL
(2005 NEW)



Y59185
3 PCS OIL FILTER
CAP WRENCH SET
(2005 NEW)



Y59186
7PC SENSOR
SENDING UNIT
SOCKET SET



Y59187
HONDA & ACURA CRANKSHAFT AND
HARMONIC BALANCER HOLDER
(2005 NEW)



Y58286
HONDA CRANKSHAFT PULLEY
HOLDER KIT
(2005 NEW)



Y59188
9PC. HOSE CLAMP
PLIERS KIT

ENGINE TOOLS



Y59189
CYLINDER LEAKAGE
TESTER



Y59190
CYLINDER LEAK
DETECTOR AND
CRANK STOPPER



Y58287
FUEL INJECTION
CANISTER CLEANER



Y59191
6PCS TERMINAL
RELEASE TOOL
(2005 NEW)



Y58288
FORD FUEL PUMP
WRENCH
(2005 NEW)



Y59192
VALVE SPRING
COMPRESSOR KIT
(2005 NEW)



Y59193
VALVE SPRING
COMPRESSOR KIT



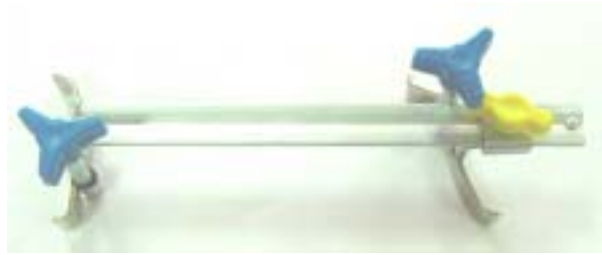
Y59194
PULLERS FOR
AUDI/VWCAM WHEELS
(2005 NEW)

ENGINE TOOLS



Y58289
HOSE REMOVER
PLIERS

Y58290
UNIVERSAL TWIN/4 CAM LOCK
(2005 NEW)



Y59195
8PCS TIMING
LOCKING TOOL KIT



Y58291
FORD TIMING CHAIN
TENSIONER
ADJUSTING TOOL
(2005 NEW)



Y58292
GM V6 REAR MAIN
BRG. HOUSING
ALIGNER
(2005 NEW)



Y58293
GM V6 REAR MAIN
BRG. SEAL
INSTALLER
(2005 NEW)



Y58294
FORD TIMING CHAIN
TENSIONER
(2005 NEW)



Y59196
AUDI CAM
ALIGNMENT
TOOL
(2005 NEW)



Y58295
6 PCS PLASTIC
BRAKE HOSE
DISCONNECTOR
(2005 NEW)



Y58296
VW FRONT MASK
DISASSEMBLE TOOL

ENGINE TOOLS



Y58297
COMPRESSION TESTER
ADAPTOR(LONG
REACH)
(2005 NEW)



Y58298
BELT GAUGE
(2005 NEW)



Y59182
20PCS RADIO REMOVAL
TOOL SET
(2006 NEW)



Y58299
BULBS PLIERS
(2006 NEW)



Y59198
4PC INJECTOR SOCKET
SET
(2005 NEW)



Y59199
ENGINE TIMING SET
V6 ENGINES
(2006 NEW)



Y58300
BENZ(M112,M113)CAMSH
AFT ALIGNMENT TOOL
(2006 NEW)

ENGINE TOOLS



Y59200
BENZ & BMW FAN
SERVICE WRENCH KIT
(2006 NEW)



Y58301
VW AIRBAG REMOVAL TOOL
(2006 NEW)



Y58302
BMW SPROCKET
EXTRACTOR/INSTALLER
(2006 NEW)



Y58303
OIL FILTER WRENCH 1/2" DR.
SUITABLE FOR FILTER 95-165MM
(2006 NEW)



Y58304
OSCILLATING VALVE
LAPPER
(2006 NEW)



Y58305
CLIKADJUST TAPPET
ADJUSTER
(2006 NEW)



Y58306
VW CRANKSHAFT
LOCKING SET
(2006 NEW)



Y58307
NYLON STRAP OIL FILTER
WRENCH

ENGINE TOOLS



Y59201
BALANCER PULLER & INSTALLER



Y59202
H/D HARMONIC BALANCER PULLER
(2006 NEW)



Y59203
5 PCS OIL FILTER CAP WRENCH SET
SIZE: 24.27.32.36.38(MM)
(2006 NEW)



Y58308
FORD 36MM
OEM WRENCH



Y58309
FORD LATE MODEL
GAS/D WRENC



Y59225
FORD G/D FAN CLUTCH
WRENCH SET



Y58310
AIRBAG TOOL
(2006 NEW)



Y59204
EXPANSION PLUG DRIVER

ENGINE TOOLS



Y58311
CAMSHAFT
LOCKING TOOL
(2006 NEW)



Y58312
4PC-GM DIESEL ENGINE
CAMSHAFT LOCKING TOOL



Y58313
TIMING ADJUSTABLE TOOL

USE FOR:

VW: LUPO, POLO/CLASSIC, BEETLE, GOLF, BORA & CADDY.

SEAT: LBIZA/GORDOBA

(2006 NEW)



Y58314
TIMING ADJUSTABLE TOOL

USE FOR:

VW: LUPO, POLO/CLASSIC, GOLF, BORA & CADDY.

ADUI: A2

(2006 NEW)

ENGINE TOOLS



Y58315
BUSSAB QYEST FAB BELT SERVICE WRENCH
(2006 NEW)



Y58316
STEERING WHEEL
FLYWHEEL PULLER



Y58317
HOSE REMOVE PLIER
(2006 NEW)



Y59205
RADIO REMOVAL & ANT WRENCH
SET
(2006 NEW)



Y58318
EXTRA LONG SPARK
PLUG 3/8"DR.X14MM
HEX L:250MM
(2006 NEW)



Y58319
EXTRA LONG SPARK PLUG
3/8"DR.X16MM HEX L:250MM
(2006 NEW)

ENGINE TOOLS



Y58320
RADIATOR PETCOCK SOCKET



Y58321
FORD THIN 40MM WRENCH



Y58322
DUAL END 36*48MM WRENCH



Y58323
FORD GAS/DIESEL FAN CLUTCH SET



Y58324
CHRYSLER GAS/DIESEL WRENCH



Y58325
FORD FAN CLUTCH WRENCH SET



Y59206
DIESEL ENGINE COMPRESSION TESTER SET (C.V.S)

ENGINE TOOLS



Y58326

DIESEL INJECTOR

SOCKET 1/2" DR.X

SUSPENSION & UNDERCAR TOOLS



Y58327

UNIVERSAL SHOCK
AVSORBER TOOL



Y58328

UNIVERSAL CLUTCH
PILOT TOOL SET



Y58329

CAMBER ADJUSTING
TOOL



Y58330

BOOT INSTALL TOOL



Y59207

HARMONING DAMPER
PULLEY PULLER



Y58331

C.V. BOOT HOSE
CLAMP CUTTER



Y58332

BENT TYPE C.V. BOOT
HOSE CLAMP CUTTER



Y58333

UNIVERSAL PITMAN
ARM PULLER



Y58334

HEAVY DUTY COIL
SPRING COHPRESSOR



Y58335

EAVY DUTY COIL
PRING COMPRESSOR



Y58336

EXHAUST T PIPE AND
TUBING CUTTER



Y58337

UNIVERSAL STRUT
SRPING COMPRESSOR



Y58338

UNIVERSAL BALL
JOINT EXTRACTOR



Y59208

REAR SUSPENSION TOOL



Y58339

TRUCK PITMAN ARM
PULLER

SUSPENSION & UNDERCAR TOOLS



Y59209
HARMONIC DAMPER
PULLEY



Y58340
CHRYSLER
HARMONIC DAMPER
PULLEY HOLDING
TOOL



Y59210
ADJUSTABLE WHEEL
BEARING LOCK NUT
WRENCH



Y59211
UNIVERAL DRIVER
TOOL



Y59212
METRIC BUSHING
DRIVER SET



Y58341
PARALLEL
LOCK RING
(HORSESHOE)
PLIERS



Y58342
STRAIGHT TIP
LOCK RING
PLIERS



Y58343
ANGLE TIP
LOCK RING
PLIERS



Y59213
4PCS CUP
ROCKET
SET



Y59214
7PCS CUP
ROCKET SET



Y58344
HUB CAP PLIER



Y59226
C.V. BOOT
INSTALLER
SET

SUSPENSION & UNDERCAR TOOLS



Y59215
HARMONIC DAMPER
PULLEY HOLDING AND
PULLER SET



Y59216
C-V BOOT SERVICE
KIT



Y58345
BALL JOINT
EXTRACTORS
(18mm-46mm)



Y58346
BALL JOINT
TEXTRACTOR



Y58347
BALL JOINT EXTRACTOR
(OPENING IN 30m/m-50m/m)



Y58348
BALL JOINT EXTRACTOR
(OPENING IN 50m/m-80m/m)



Y59217
STEP PLATE ADAPTER SET



Y59218
DRIVE NUT SET

SUSPENSION & UNDERCAR TOOLS



Y58349
BALL JOINT
EXTRACTOR



Y58350
BALL JOINT
EXTRACTOR



Y58351
STRUT NUT TOOL 3PC VW
AUDI MOT TEST TOOL



Y59219
REAR AXLE BEARING
PULLER SET
(2005 NEW)



Y58352
TWIN-ARM BEARING
PULLERS
(2005 NEW)



Y58353
RING PLIER
(2005 NEW)



Y58354
BALL JOINT
EXTRACTORS (KTC)



Y58355
EXHAUST SPRING
CLAMP
REMOVER/INSTA
LLER
(2005 NEW)

SUSPENSION & UNDERCAR TOOLS



Y58356
UNIVERSAL SPRING
COMPRESSOR(65-320
M/M)
(2005 NEW)



Y58357
SPRING
COMPRESSOR(65-
200M/M)
(2005 NEW)



Y58358
SPRING
COMPRESSOR(85-
170M/M)
(2005 NEW)



Y58359
SERIES BALL JOINT
EXTRACTORS(18m/m)
(23.29.40.46m/m)



Y58360
TWIN-ARM BEARING
PULLERS
(2006 NEW)



Y59227
DRIVE NUT SET



Y59220
VECTRA BUSH
REMOVAL TOOL SET
(2006 NEW)



Y59221
UNIVERSAL SPRING COMPRESSOR
(2006 NEW)



Y58361
SNAP IN TIRE VALVE
INSTALLER



Y58362
LUG NUT CAP
REMOVER



Y58363
PROFESSIONAL STYLE SEAL
PULLER

SUSPENSION & UNDERCAR TOOLS



Y59263
CRANK PULLEY HOLO PLATE
(2006 NEW)



Y58364
OUTER TIE ROD
REMOVER/BALL JOINT
SEPARATOR



Y58365
BENZ M-CLASS PIN
WRENCH SOCKER
(2006 NEW)



Y58366
HUB PULLER
(2006 NEW)



Y58367
EXHAUST SPRING CLAMP
REMOVER/INSTALLER
(3PCS)
(2006 NEW)



Y58368
UNIVERSAL BALL JOINT
EXTRACTOR(32m/m)
(2006 NEW)



Y58369
UNIVERSAL BALL JOINT
EXTRACTOR(45m/m)
(2006 NEW)



Y58370
UNIVERSAL BALL JOINT
EXTRACTOR(18m/m)
(2006 NEW)

SUSPENSION & UNDERCAR TOOLS



Y58371
UNIVERSAL BALL JOINT
EXTRACTOR(22m/m)
(2006 NEW)



Y58372
FORD VACUUM HUB REL TOOL



Y59222
24PC BUSHING REMOVER AND
INSERT KIT



Y59223
9PC HEAVY-DUTY BUSHING REMOVER
AND INSERT KIT



Y59224
FORD FRONT HUB
INSTALLER SET



Y58373
UNIVERSAL TWIN-ARM BULLERS
SAZE: 90m/m. 130m/m. 160m/m. 200m/m. 250m/m
(2006 NEW)

SUSPENSION & UNDERCAR TOOLS



Y58374

SNAP IN TIRE VALVE

INSTALLER



Y59130

7

PCS STUD PULLER
WRENCH SET



Y59131

6

PCS STUD PULLER
WRENCH SET



Y58143

HEAVY DUTY NUT
SPLITTER



Y58144

UNIVERSAL NUT CR-
ACKER



Y59262

25 PCS MULTI-SPLINE
EXTRACTOR SET



Y58145

EXTERNAL THREAD
RESTORING FILES



Y58146

EXTERNAL THREAD
RESTORING FILES



Y58147

EXTERNAL THREAD
RESTORING FILES



Y58148

EXTERNAL & INTERNAL
RESTORING FILES



Y58149

EXTERNAL & INTERNAL
RESTORING FILES



Y58150

3 PCS THREAD
RESTORING FILE SET



Y59132

EXTERNAL THREAD
RESTORER FILES AND
PITCH GAUGE SET



Y59133

43 PC. UNF , UNC &
METRIC RETHREADER
KIT



Y59134

42 PC. UNF , UNC &
METRIC RETHREADER
KIT



Y59135
4PC CHROME-MOLY SAE
STUD PULLER SET
(2005 NEW)



Y59136

18 PCS UNF & UNC
RETHREADER SET



Y59137

26 PCS UNF & UNC
ETHREADER SET



Y59138

15 PCS UNF & UNC
RETHREADER SET



Y58151

SCREW PITCH
GAUGE



Y58152

SCREW PITCH GAUGE



Y59139

7 PCS WHEEL-LOCK
REMCYER SET
(2005 NEW)



Y58153

5 PIECE STRAIGHT
FLUTE SCREW EXT-
TRACTOR SET



Y59140

COMBINATION EXTRA-
CTOR AND DRILL SET



Y59141

5 PIECE WHEEL STUD
RETHREAD SET



Y59142

MASTER SPINDLE
RETHREADING SET



Y58154

PARALLEL JAW PLIERS



Y59143

13PCS BOLE EXTRACTOR SET

SIZE: 3/8"DR.

1/4".5/16"(8MM).3/8".10MM.7/16(11MM).12MM.1/2".13MM.
9/16"(14MM).5/8"(16MM).17MM.18MM.3/4"(19MM)**(2006 NEW)**

Y59144

5PCS BOLE EXTRACTOR SET

SIZE: 1/4"DR.

3/4"(19MM).13/16"(21MM).7/8"(22MM).15/16"(24MM)

(2006 NEW)

Y59145

9PCS BOLE EXTRACTOR SET

SIZE: 3/8"DR.

8.10.11.12.13.14.16.17.19(MM)

(2006 NEW)

Y59146

9PCS BOLE EXTRACTOR SET

SIZE: 3/8"DR.

1/4".5/16".3/8".7/16".1/2".9/16".5/8".11/16".3/4"

(2006 NEW)

Y59147

9PCS BOLE EXTRACTOR SET

SIZE: 3/8"DR.

10.11.12.13.14.15.16.17.19(MM)

(2006 NEW)

Y59148

5PCS BOLE EXTRACTOR SET

SIZE: 3/8"DR.

10MM(3/8").11MM(7/16").13MM(1/2").14MM(9/16").16MM(5/8").

(2006 NEW)



Y58155
7-3/4"PSA FIRM HAND BLOCK

Y58156
7-3/4"VELCRO FIRM HAND
BLOCK

(2006 NEW)



Y58157
5"PSA FIRM HAND BLOCK

Y58158
5" VELCRO FIRM HAND
BLOCK

(2006 NEW)



Y58159
2-3/4"X5"PSA SOFT HAND BLOCK

Y58160
2-3/4"X5"VELCRO SOFT HAND
BLOCK

(2006 NEW)



Y58161
SANDING BLOCK

(2006 NEW)



Y58162
16" PLASTIC SANDING
BOARD



Y58163
HAND SANDER-LOW PROFILE
(2-3/4 " × 11 ")

T59012**Diesel Compression Tester With Adapters**

Easy-to-use compression tester is designed specifically for medium-duty engines equipped with glow plugs. Dual reading gauge measures compression to 1000 PSI and 7000 kPa. Gauge has a push-button release valve and quick disconnect fittings on the hose end. Tester comes with all the necessary glow plug and nozzle adapters in a handy storage case. Tester service these engines:

- * Cummins B and C
- * Navistar DT466/DT360
- * Ford/Navistar 6.9 & 7.3L
- * GM 6.2L and 6.5L
- * Hino diesel and Mitsubishi Fuso truck engines

T59013**Oil Pressure Gauge Set**

Use on diesel and gasoline engines . Includes standard and metric adaptors for most popular domestic and import cars, trucks, tractors and stationary engines Features bright, easy-to-read gauge with black protective boot. Includes plastic storage case.

Includes:

- * 0-100 PSI (0-700 kPa) Gauge Assembly
- * Hose Assembly
- * Adaptor (1/8-27 to 1/4-18)
- * Adaptor (1/8-27 to 3/8-18)
- * Adaptor (1/8-27 to 1/-28 BSPT)
- * Adaptor (1/8-27 to M10-1.0)
- * Adaptor (1/8-27 to M12-1.5)
- * Adaptor (1/8-27 to M14-1.5)
- * Street Elbow
- * 2" Large Nipple
- * Coupling

T59014**Engine Oil Pressure Tester**

* Designed to check engine oil pressure in both cars and trucks. Easy to read dual scale gauge. Complete with 24" (600mm) of oil proof hose with 1/8"NPT.

- * Also includes 1/4" NPT and 3/8" NPT adaptors.
- * Dual gauge readings: 0 to 300psi (0 to 21bar)
- * Gauge diameter: 2.5"

T59015**Oil Pressure Check Kit**

For testing engine oil pressure at the oil filter on most passenger cars and light trucks. Adapters are included for both domestic and imported engines. Gauge range 0-100PSI.

T59016**Automotive Diesel Compression Test Set**

- * A basic set for Diesel work in the American market.
- * Tester has a handy deflator for releasing air & retesting.
- * A 16-1/2" wire reinforced hydraulic hose has a quick coupler on a swivel for ease of connection.
- * A 2-1/2" gauge with easy to read red and black dial & snap-in lens. Records pressures from 0-1000 PSI and 0-70 bar.
- * Adapters for GM, Isuzu , Lincoln Mark VII and Continental, Ford/Navistar, Audi, Mercedes, Peugeot, Toyota, VW, Volvo-Bacharach conversion adapter also included.
- * Comes in a red metal box with insert; instructions and specifications included.

T59040**Automotive Diesel Compression Test Set**

- * A basic set for Diesel work in the American market.
- * Tester has a handy deflator for releasing air & retesting.
- * A 16-1/2" wire reinforced hydraulic hose has a quick coupler on a swivel for ease of connection.
- * A 2-1/2" gauge with easy to read red and black dial & snap-in lens. Records pressures from 0-1000 PSI and 0-70 bar.
- * Adapters for All GM, Isuzu , Lincoln Mark VII and Continental, Ford/Navistar, Audi, Mercedes, Peugeot, Toyota, VW, Volvo-Bacharach conversion adapter also included.
- * Comes in a red metal box with insert; instructions and specifications included.

T59017**Heavy Duty Global Diesel Compression Test Set**

Contains compression tester and an assortment of adapters to test a wide variety of vehicles, trucks, heavy-duty equipment deluxe gauge with rubber boot. Tester service these engines:

Audi, Mercedes, VW, Volvo, Cummins, Allis Chalmers, Bedford, J.I. Case, J.I. Case 70 Series, John Deere Pencil Type, John Deere, Flat Allis, Ford Tractor, International, Harvester, Mack Truck, Massey Ferguson, Mitsubishi-Fuso, Onan, Scania, Waukesha, Wisconsin, White Farm, Kubota, Mitsubishi, Nissan, Toyota, UD-Nissan Truck, Detroit Diesel, Lincoln, Mark , Continental, Dodge, Case/Cummins "C" Series, Dodge, Navistar, Caterpillar-Pencil, Caterpillar-Capsule, GMC Truck, Hine, Isuzu Truck.

T59018**Universal Compression Tester Kit**

This versatile kit provides a quick method to obtain cylinder compression pressure on engines with deep, recessed spark plugs and difficult access.

A special air-hold valve is included for easy resetting of the gauge, which is graduated from 10 to 300 psi (0 to 21 kg/cm²).

Gauge assembly includes pressure relief valve.

T59041**Universal Compression Tester Kit**

This versatile kit provides a quick method to obtain cylinder compression pressure on engines with deep, recessed spark plugs and difficult access.

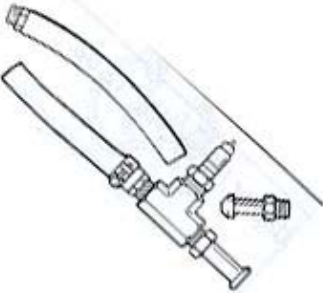
A special air-hold valve is included for easy resetting of the gauge, which is graduated from 10 to 300 psi (0 to 21 kg/cm²). Gauge assembly includes pressure relief valve.

T59019**Master Cummins Diesel Fuel Injection Test Kit**

Includes the fitting gauge needed to check fuel pressure, fuel volume, and fuel restrictions. Contents:

- * Special quick-disconnect banjo fitting (M14 x 1.5 male).
- * Two fuel injection quick-coupler adapters.
- * Quick disconnect banjo fitting (M12 x 1.5 male).
- * Gauge assembly.
- * Fuel volume test adapter.
- * Diesel fuel inlet restriction test adapter.

Application: 1988-98 Dodge pickups and vans with 5.9L 12-valve, and 1998 1/2-newer 5.9L 24-valve Cummins Diesel engines.

T59042**Fuel Injection Pressure Adapter 5/16 & 3/8in.****T58022****Compression Tester**

Checks cylinder compression from 0 to 300 psi (0 to 21 kg/cm²).

Adapters fit 14 and 18mm spark plug holes and a special air-hold valve is included to easily reset gauge. Has a 12" rubber hose.

Instructions:

1. Run engine long enough to bring crankcase oil to normal operating temperature.
 2. Stop engine and remove all spark plugs and their gaskets.
 3. Block choke and throttle valve in "open" position.
 4. On standard ignition, remove high tension cable from distributor cap and ground it. On HEI, remove three terminal connectors and battery connector.
 5. Select the correct size threaded adapter.
 6. Screw adapter into the spark plug hole.
 7. Crank the engine four compressions to obtain maximum reading. Make a note of the pressure in each cylinder.
 8. To remove the gauge from spark plug hole, depress the valve below the dial, releasing the pressure. If compression readings vary more than 10% between cylinders further tests should be performed.
- See Manufacturer's Service Manual.

T58023**Compression Tester**

Checks cylinder compression from 0 to 300 PSI (0 to 21 kg/cm²).
Fit 18mm spark plug threads
Equipped with air-hold valve and gauge reset button
11"flexible rubber hose

T58034**Compression Tester**

Checks cylinder compression from 0 to 300 PSI (0 to 21 kg/cm²).
Fit 10mm,12mm and 14mm spark plug threads
Equipped with air-hold valve and gauge reset button
11"flexible rubber hose

T58035**Compression Tester**

Checks cylinder compression from 0 to 300 PSI (0 to 21 kg/cm²).
Fit 10 mm spark plug threads
Equipped with air-hold valve and gauge reset button
11"flexible rubber hose

T58036**Compression Tester**

Checks cylinder compression from 0 to 300 PSI (0 to 21 kg/cm²).
Fit 14 mm spark plug threads
Equipped with air-hold valve and gauge reset button
11"flexible rubber hose

T58037**Compression Tester**

Checks cylinder compression from 0 to 300 PSI (0 to 21 kg/cm²).

Fit 12 mm spark plug threads

Equipped with air-hold valve and gauge reset button

11" flexible rubber hose

T58038**Compression Tester**

*Start and run engine up to normal operating temperature.

*Mark sure the battery is fully charged.

*Removed dust from spark plug wells.Remove all spark plugs.

*Ground hi-tension terminal of the ignition coil avoid spark during test.

T59020**Fuel Injection Test Kit**

*The fuel injection test kit tests fuel injection systems on vehicles on most makes and models.

*Pinpoints problems in filters,lines,and regulators.

*This kit comes complete with assorted hoses,hose barb fittings,and hose clamps to adapt to earlier vehicle models,as well as current.

The adapter set tests fuel injection systems on vehicles on most makes and models:Accura Honda Hyundai Mazda,Suzuki,Toyota,Audi,BMW,Mercedes,Puegot,Porshe,saab vw, Volvo W/CIS,CISE or K.jetroni.

T59021**Fuel Injection Pressure Test**

* A large 3-1/2" gauge with dual readings of 0-145 psi and 0-1000 kpa.

Also a low pressure 2-1/2" gauge for an accurate reading below 15 psi.

* All adapters, gauges, and hose assemblies feature a quick coupling system for speedy and efficient testing connection.

* The uniquely designed relief valve relieves the pressure and the fuel safely. Also allows checking for sufficient fuel flow.

* No need for wrenches or pipe dope.

* The specially designed compact, neatly arranged plastic blow- molded box makes storage easy.

* Comes complete with instruction manual.The adapter set tests fuel injection systems on vehicles on most makes and models:Accura Honda Hyundai Mazda, Suzuki,Toyota,Audi,BMW,Mercedes,Puegot,Porshe,Saab vw, Volvo w/cis,CISE or K.jetroni.

T59043**Fuel Injection Pressure Test-Japanese Car**

- *The set designed for most Japanese car.
- *Pick up the joints and adapters from # TIT-055
- *Model No.:A,D,HE,HN,HO,HP,HQ,HR,HA,HE,F,Repair Kit,Instruction Manual.
- *All the specification is the same as # TIT-055

T59044**Fuel Injection Pressure Test-European Car**

- *The set designed for most European car.
- *Pick up the joints and adapters from # TIT-055
- *Model No.:A,D,G,F,AM x 2,AE,AL,AT,AA,AB,AL,AG,AK,AC,E,Repair Kit,Instruction Manual.
- *All the specification is the same as # TIT-055

T59022**Deluxe Brake Pressure Test Kit**

Features two 3,000-psi gauge assemblies. Dual scale dial - standard scale 0-3,000 psi and metric scale 0-200 kg/c . 4,500 psi rated pressure hose assembly. Include 22-piece adapter set. Includes high impact blow-molded carrying case & reference chart.

T59045**ABS & Brake Pressure Test Kit**

- *Adapters install directly into wheel cylinder or back caliper line access holes.
- *Measures pressure at front or back of master cylinder or ABS port.
- *Comes with a complete line of adapters,gauge assembly,a complete instruction manual and vehicle look-up table.
- *Analog pressure gauge 0-3000 PSI and is accurate to 4% of scale.
- *JIC quick disconnect for easy connection.
- *Complete adapter line with annual updates offered as needed.
- *Comes with a lifetime warranty covering defects in material and workmanship.

T59046**Brake and Clutch Master Cylinder Pressure Tester Kit**

This unique brake & clutch master cylinder pressure test kit measures front or back master cylinder. The adapters install directly into master cylinder line access holes. Also includes a complete line of adapters to fit most vehicles on the market today. The adapters are equipped with JIC quick connection for easy connection. The tool is covered by the lifetime warranty and adapters are available individually.

T59023**Instructions For Multi-Port Fuel Injection Pressure Testing**

Contents of kit:

- * Gauge and blow down hose assembly
- * Adapter hose for schrader test ports with 7/16-20 threads
- * Adapter hose for schrader test ports with .308-32 threads
- * Single end hose connector 1/4" , 5/16": and 3/8"
- * Double end hose connector 5/16" and 3/8"
- * 6mm fuel bolt adapter

T58024**Instructions For Multi-Port Fuel Injection Pressure Testing**

Contents of kit:

- * Gauge and blow down hose assembly
- * Adapter hose for schrader test ports with 7/16-20 threads
- * Adapter hose for schrader test ports with .308-32 threads
- * Single end hose connector 1/4" , 5/16": and 3/8"
- * Double end hose connector 5/16" and 3/8"
- * 6mm fuel bolt adapter

T59024**Diesel Compression Tester**

2-1/2" dial, glycerine filled gauge with glass lens in stainless steel housing.

4,500 PSI rated nylon jacketed pressure hose assembly.

Dual scale -0-1,000 PSI; Metric Scale -0-70 BAR. 13 Piece adapter set
Included Ford/Navistar, General Motors, Audi, Cummins, Mercedes Benz, Volkswagen, Volvo, Bacharach, Allis Chalmers, Bedford, Case, J.I., Deere, John, Fiat Allis, Ford Tractor, International Harvester, Mack Truck, Onan, Waukesha, BMW, Lincoln Continental, Mark , Peugeot, Chevy Luv, Isuzu, Toyota, General Motors, Detroit Diesel, Caterpillar, Case, Waukesha.

T58025**Diesel Compression Tester Adapter For Mack Truck Engines**

*Use to test all mack truck engines listed on application chart on reverse side

2-1/2" dial, glycering filled gauge with glass lens in stainless steel housing.

4,500 PSI rated nylon jacketed pressure hose assembly.

Dual scale -0-1,000 PSI; Metric Scale -0-70 BAR. 13 Piece adapter set (Deere & BMW adapters included)

Mack Truck,J.I. CASE,Onan,Waukesha,Aillis Chalmers,Bedfore,Fiat Allis,Harvester.

T59025**Diesel Compression Tester**

Supplied with one gauge and all necessary adapters.Gauge includes release valve and 368 mm(14.5")of hous,dial reads from 0-1000 PSI and 0-70 BAR.Unique swivel end quick coupler allows the operator to connect the adapters quickly and easily.Included Audi,Cummins,Mercedes Bez,Volkswagen,Volvo,Cummins.

T59026**Diesel Compression Tester**

Supplied with one gauge and all necessary adapters.Gauge includes release valve and 368 mm(14.5")of hous,dial reads from 0-1000 PSI and 0-70 BAR.Unique swivel end quick coupler allows the operator to connect the adapters quickly and easily.Included Ford/Navistar,General Motors,Navistar,Audi,Cummins,Mercedes Benz,Volkswagen,Volvo,Cummins,Bacharach,Detrolt Diesel.

T58039**Universal Diesel Engine Compression Gauge**

Works on any diesel engine to test compression up to 1000 PSI and 7000 Kpa. Features include a check valve,push but compression release,and a quick disconnect fitting on the hose end.Straight and 45. Hose connectors are included.

T59027**Compression Test Kit**

Compression test on vehicles with gasoline engines. Long flex hose and adapters eliminate the need to remove secondary equipment such as power brakes, steering, air conditioning, and manifold components. Side release valve for quick re-testing of cylinder. Set includes gauge and 14mm/18mm solid short adapter, 14mm/18mm long flexible adapter, 14mm long reach adapter, and instruction manual.

* Large 2-1/2" gauge with dual inch/metric readings: 0 to 300 PSI and 0 to 21 kg/cm².

* Boot on gauge provides extra protection from rough handling.

* Small 1-1/2" gauge w/dual inch/metric readings 0-200 PSI and 0 to 14 kg/cm².

Application: American motors,Chrysler,Ford,GM,Mitsubishi,Nissan,Peugeot porsche,Subaru,Suzuki.Toyota,Jeep,Saturn,Saura,Audi,BMW,Daihatsu, Hoda,Hyundai,Infiniti,Isuzu,Jaguar,Kia,Land rover,Lexus,Mazda,Mercedes.

T59047**Digital Compression Test Kit**

Compression test on vehicles with gasoline engines. Long flex hose and adapters eliminate the need to remove secondary equipment such as power brakes, steering, air conditioning, and manifold components. Side release valve for quick re-testing of cylinder. Set includes gauge and 14mm/18mm solid short adapter, 14mm/18mm long flexible adapter, 14mm long reach adapter, and instruction manual.

* Large 2-1/2" electronic gauge with dual inch/metric readings: 0 to 300 PSI and 0 to 21 kg/cm².

* Boot on gauge provides extra protection from rough handling.

* Small 1-1/2" gauge w/dual inch/metric readings 0-200 PSI and 0 to 14 kg/cm².

Application: American motors,Chrysler,Ford,GM,Mitsubishi,Nissan,Peugeot porsche,Subaru,Suzuki.Toyota,Jeep,Saturn,Saura,Audi,BMW,Daihatsu, Hoda,Hyundai,Infiniti,Isuzu,Jaguar,Kia,Land rover,Lexus,Mazda,Mercedes.

T59028**Gas Cylinder Compression Tester**

* Air gauge with quick coupling & release valve.

* High - tension connecting pipe with safety lock coupling.

* Crank shaft type test pipe with rubber plug.

* Transverse axis test pipe with rubber plug.

* M10-1.0 Adapter

* M12*1.25 Adapter

* M14*1.25 Adapter

* M18*1.5 Adapter

T59029**Compression Tester**

Easy -reading 2-1/2" diameter gauge features color-coded quadruple calibrations 0-300 psi,21kg/cm,21bar&2100 kpa.

13" durable rubber hose with 14mm/18mm adapter.

6" heavy-duty stem with universal rubber cone adapter fits all plug holes.

Convenient pressure -holding side release valve.

Provides an accurate reading on high performance engines.

T58026**Unique Compression Tester**

- *Easy-reading 2-1/2" diameter gauge features colour-coated quadruple calibrations 0-300 psi, 21kg/cm, 21bar & 2100 kpa.
- *13" durable rubber hose with 14mm/18mm adapter.
- *6" heavy-duty stem with universal rubber cone adapter fits all plug holes.

T58027**Compression Tester**

- *Start and run engine up to normal operating temperature.
- *Mark sure the battery is fully charged.
- *Removed dust from spark plug wells. Remove all spark plugs.
- *Ground hi-tension terminal of the ignition coil avoid spark during test.
- *Fit 12 mm spark plug threads

T59030**Carburetor Synchronize**

- For testing fuel pump carburetor and transmission check auto with 2~4pcs carburetors
- * 4pcs 3-1/2" synchronizer gauges with fixed plate
 - *rubber hose 4pc 8×5×750mm
 - *extension tube 4pc 3.9×52mm 4pc 3.9×122mm
 - *cone type connector 8 pc 8×40mm
 - * 4pc 10×53mm(M6×0.75)
 - * 4pc 10×60mm(M6×1.0)

T59028**DELUXE VACUUM/FUEL PUMP TESTER KIT**

Diagnoses valve leaks, incorrect timing, leaky intake manifold & clogged mufflers. 3-1/2" diameter gauge, includes 3 brass fittings and 4' tubing.

T58029**VACUUM & FUEL PRESSURE TESTER**

- *Check fuel pump suction pressure
- *Tests settings of the carburetor
- *Checks for sticking valves, valve timing and burnt valves or insufficient valve tappet clearance
- *Detect weak valve springs, worn valve stem guides or leaking head gasket
- *Quick, accurate testing for many applications

T58040**Basic Exhaust Back Pressure Set**

- *Enables technician to test exhaust back pressure through oxygen sensor.
- *Oxygen sensor adapter includes M12 and M18 thread.
- *The special 2-1/4 in. gauge has two multi-colored bands-idle 2500RPM, with pressure shown in PSI and bar.
- *Furnished with rubber boot to protect gauge.
- *Hose is 6 ft., enough length for the technician to test from the driver's seat.

T59031**Cylinder Leak Detector and Crank Stopper**

- *Kit allows easy identification of compression problems
- *Detector measures exact leakage amount and locates leaks area
- *Crank stopper locks engine in place to facilitate installation of timing belts, removal of harmonic balance pulleys and replacing spark plugs.

**Cylinder Leak Detector and Crank Stopper**

- *Kit allows easy identification of compression problems
- *Detector measures exact leakage amount and locates leaks area
- *Crank stopper locks engine in place to facilitate installation of timing belts, removal of harmonic balance pulleys and replacing spark plugs.

T58030**Cleaning the Fuel Injectors**

Read, understand, and follow "Safety Precautions" before using Fuel Injector Cleaner. Run the vehicle until the engine reaches normal operating temperature. Shut the engine OFF. Turn regulator on top of Fuel Injector Cleaner to full OPEN position (counterclockwise). Leave the fitting on the end of the regulator open-do NOT connect shop air. Close the shut-off valve at the bottom of the Fuel Injector Cleaner. Note: Valve Is OFF if it's turned all the way clockwise. Remove top and regulator assembly from top of Fuel Injector Cleaner. Fill the container with one bottle of D-Karbonizer. Install top and regulator assembly again. Connect the canister hose to a decarbonizing adapter. Locate a manifold vacuum port (NOT ported vacuum) near the throttle body or carburetor. (This will distribute the decarbonizing solution more evenly.) Connect the decarbonizer hose (with adapter) to the manifold vacuum port. Start the engine. Manually increase throttle to 1,500 RPM while slowly opening the shut-off valve. (The engine will run rough and RPM will decrease. Do NOT manually increase RPM.) When the container is empty, turn the engine OFF. Remove the adapter fitting from the engine. Connect the vacuum hose. Let the vehicle sit for at least 30 minutes to allow the solution to work on soft carbon deposits. Test drive the vehicle for at least 15 miles to flush loosened carbon deposits out of the system.

**T58031****Fuel Injection Canister Cleaner, 2 Gauges**

Cleans fuel injectors restoring the original spray pattern and giving improved performance, fuel economy, and emission tests.

Cleans carbon from intake valves, fuel passages, and cylinders with a professional carbon cleaning solution.

Two gauges allow for checking the vehicle fuel pressure with the bottom gauge then setting the cleaning pressure with the top gauge by referring to vehicle fuel pressure on the bottom gauge.

Uses shop air with any professional canister cleaning solution on the market.

Ample capacity: holds 20 oz.

**T59033****European Fuel Injection Fitting Kit**

The fittings in this kit enable you to connect OTC No. 7211 gauge (not included) to most Audi, Mercedes Benz, Volkswagen, and other European automotive engines, and diagnose most common fuel system problems involving low fuel pressure and low fuel volume at the injectors. It even works on CIS and CISE systems. Each fitting comes with a quick-connect Schrader valve for safe, easy hookup to the gauge assembly.

*Fitting seals are compatible with most popular cleaning solvents.

*Includes operating instructions and handy blow-molded case.



T58032**Asian Fuel Injection Fitting Kit**

*Diagnoses fuel related problems such as hesitation, stumble, stall, and lack of power on nearly every Asian import system by simply checking fuel pressure and volume. With just a few quick connections you'll know if the problem is caused by low fuel pressure, a defective fuel pressure regulator, low fuel volume to the injectors plus much more.

*Each fitting comes with a quick-connect Schrader valve for safety and easy hookup to the gauge assembly.

*Fitting seals are compatible with most most popular cleaning solvents.

*Set includes an organizer and storage tray.

*Operating instructions included.

T58033**GM Throttle-Body Injection Fitting Kit**

This kit has everything you need to quickly and easily check the fuel pressure in GM throttle-body injection systems. It's designed for 1982 and newer low-pressure TBI system.

T58041**GM Fuel Injection Fitting**

*Can be used to diagnose and clean fuel injection systems.

*Used on 1992 and newer Chevrolet Cavalier, Beretta, and Corsica; Pontiac Sunbird and Grand Am; Olds Calais; and Buick Skylark with 2.0L and 2.2L 4-cylinder, and 2.3L SOHC 4-cylinder engines.

*Allows you to safely "T" into the fuel system.

T59034**Petrol Engine Compression Tester Set**

*comprehensive kit based on petrol compression tester for vehicles with M10, M12, M14 and M18 spark plug threads. complete with extensions, thread chasers and service kit.

*easy to use.

*checks condition of valves, piston rings, gaskets & cylinder heads.

* used on cars, vans & motorcycles.

*pressure relief valve enables repeated testing of a cylinder without removing the gauge.

T59035**Diesel Engine Compression Tester Set (CARS)**

- *comprehensive test kit for both direct and indirect diesel injected cars.
- *simple & easy to use.
- *for use on both direct or indirect injection engines.
- *checks engine compression under cranking conditions.
- * small profile, quick coupling adapters for speed & security.
- *built-in pressure relief valve enables repeat tests without dismantling.
- *flexible hose(355MM) gives access to restricted plug & injector ports.
- * dual scale 80MM DIA gauge 0-1000 LB/IN2 & 0-70 BAR.

T59036**Diesel Engine Compression Tester Set (C.V.S)**

- *comprehensive kit for checking compression on both direct and indirect diesel injected commercial, marine and industrial engines.
- *for commercials, marine & industrial engines.
- *checks engine compression when cranking.
- * for use on direct or indirect fuel injection engines.
- * built-in pressure release enables complete tests without dismantling.
- *small profile, quick release coupling system.
- *dual scale 80MM DIA gauge 0-1000 LB/IN2 &0-70 BAR. flexible hose(355MM)to give access in restricted spaces.

T59037**Oil Pressure Tester Set**

- *helps to diagnose worn oil pumps and engines, faulty oil pressure switches and warning indicators..
- *easy to use.
- *accurately tests oil pump pressure, switch & warning indicators.
- * large clear dual scaled gauge.
- *quick coupling adapters, with shut-off valve, for speed & security.
- *permanently oil primed, long, flexible hose.

T59038**Power Steering Tester**

- *For accurate, reliable power steering analysis.
 - *Determines if trouble is in front suspension or steering linkage.
 - *Saves valuable time when rebuilding or replacing parts not actually defective.
 - *Set contains 2,000 PSI gauge with metering valve. connection hose, 13 adapters and power steering pressure specifications.
 - *All packed in a plastic storage case.
- American Motors, Chrysler Corp, Ford Motor.

T59039**Transmission Pressure Gauge Set**

- *For all major manufacturer domestic and import vehicles.
- *Set contains two gauge assemblies for high and low pressure ranges.
- *Nine adaptors to test a wide variety of domestic and import automatic transmissions.
- *Four special fittings are also included for connection to hard-to-reach test ports in areas requiring a 45° or 90° angle.

Acura/Honda, BMW, Chrysler Corp, AMC/Eagle, Jeep, Ford, General Motors, Saturn, Hyundai, Infiniti, Lsuzu, Jaguar, Lexus, Mazda, Mercedes, Mitsubishi, Nissan, Peufeot, Saab, Subaru, Suzuki, Toyota, VW, Volvo.

T59048**Carburetor Synchronizer(Vacuum)**

Specifications:

Carburetor Synchronize

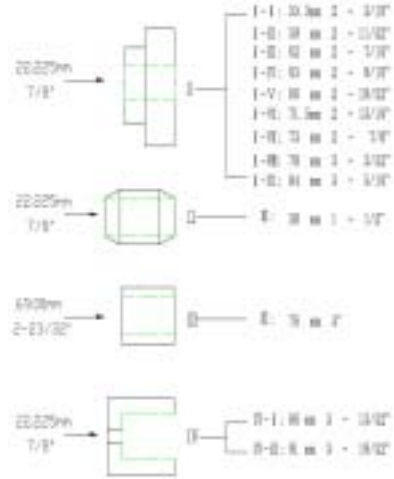
For testing fuel pump carburetor and transmission check auto with 2~4pcs carburetors

- * 4pcs 3-1/2" synchronizer gauges with fixed plate
- *Pressure Range:0~76cmHg
- *rubber hose 4pc 8×5×750mm
- *extension tube 4pc 3.9×52mm 4pc 3.9×122mm
- *cone type connector 8 pc 8×40mm
- * 4pc 10×53mm(M6×0.75)
- * 4pc 10×60mm(M6×1.0)

B59001

FWD Hub Bearing Service Kit

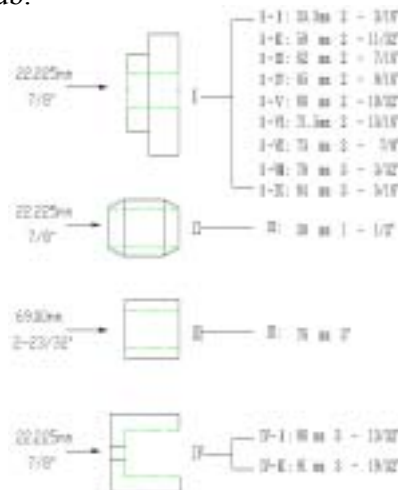
- *universal kit to service most front wheel drive bearings.
- * removes and installs wheel bearings.
- *installs front hub.



B59002

FWD Hub Bearing Service Kit

- *universal kit to service most front wheel drive bearings.
- * removes and installs wheel bearings.
- *installs front hub.



B59003

Universal Hub Separator

Complete versatile adapters included to handle hub removing from most popular front wheel drive vehicles. Acme threaded forcing & adjusting screws make rugged jobs easy & efficient. Applications: GM, Ford, Honda, Mazda, Toyota, Nissan, Mitsubishi, Daihatsu, Subaru, Suzuki, Saab, VW, Fiat, Renault & Hyundai.



B59004**Brake Caliper Guide Pin Wrench Set**

This set contains everything necessary to remove and install guide pins from disc brake calipers when performing brake service on the following vehicles: Most AMC 1980-1987, Most Buick 1980-1989, Most Cadillac 1980-1993, Most Chevrolet 1980-1993, Most Chevrolet Trucks 1980-1993, Some Dodge 1980-1993, Some Dodge Trucks 1980-1993, Most Ford 1983-1993, Most GMC Trucks 1980-1993, Most Jeep 1980-1993, Some Lincoln 1998-1992, Most Mercury 1982-1993, All Merkur 1985-1989, Most Oldsmobile 1980-1993, Some Plymouth 1983-1990, Most Pontiac 1980-1993, Most Volkswagen 1980-1993 *This set will also service many newer model vehicles. Please consult vehicle owner's manual.

**B58001****Ball Joints Separators****Zinc-chrome plated**

Used mainly on large agricultural and earth moving machines. On cars provided with ball joint cups, we recommend using items BT-020A, BT-020B, BT-020C, to prevent the ball joint cups from being damaged.

B58002**Ball Joints Separators(H 18mm L 300mm)****Zinc-chrome plated**

Ball joint service is easier with this tool. It was designed to safely remove ball joints from spindle support arms, and can be used on a wide variety of vehicles, from compact cars to light-duty trucks.

B58003**Ball Joints Separators(H 23mm L 300mm)****Zinc-chrome plated**

Ball joint service is easier with this tool. It was designed to safely remove ball joints from spindle support arms, and can be used on a wide variety of vehicles, from compact cars to light-duty trucks.

B58004**Ball Joints Separators(H 30mm L 380mm)**

Zinc-chrome plated

Ball joint service is easier with this tool.It was designed to safely remove ball joints from spindle support arms,and can be used on a wide variety of vehicles,from compact cars to light-duty trucks.

**B58005****Fuel Tank Sender Spanner Set (adjustable)**

Universal application.

For removing and replacing the Plastic Retaining Ring on the sender Unit on Fuel Tanks.

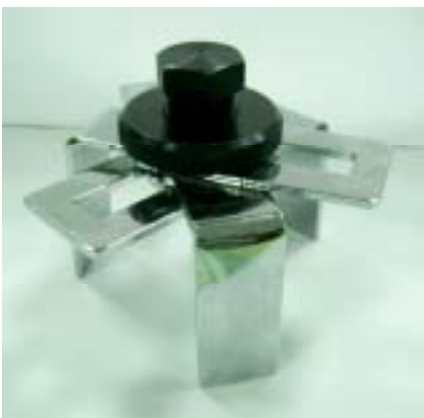
Tank Sender Spanner Φ 110-170 mm. Drive 24 mm

B58006**Fuel Tank Sender Spanner Set (adjustable)**

Universal application.

For removing and replacing the Plastic Retaining Ring on the sender Unit on Fuel Tanks.

Tank Sender Spanner Φ 80-122 mm. Drive 24 mm

B58007**Fuel Tank Sender Spanner Set (adjustable)**

Universal application.

For removing and replacing the Plastic Retaining Ring on the sender Unit on Fuel Tanks.

Tank Sender Spanner Φ 75-160 mm. Drive 24 mm

B58008**Flywheel Locking Tool(universal)**

Necessary for dismantling or re-assembling flywheels, clutch pressure plates and belt pulley. (Length 250mm)

B58009**Spring Vice**

*For the steel clamps at the ball flange on VW exhaust systems

*Applications:

VW transporter T4 4-cyl. engine, Golf III, Jetta models years 1984-1992

*□ drive 10=3/8"

*Drop-forged

*Chrome-Vanadium

*Surface chrome-plated

B58010**Idler Pulley Wrench**

*For adjusting of the toothed belt at the automatic tensioning pulley

*Especially for VW Polo Diesel, AUDI 100 since 1991, AUDI A6 with 2.5 l TDi engine

* s 32 mm

*Special steel

*Surface mat chrome-plated, handle plastic coated

B58011**Pulley Spinning Tool**

For deep forged pulleys to turn off the crankshaft, camshaft, etc.

Application: Mercedes, VM-Audi, BMW, Ford, Opel, Peugeot, Renault, Rover, Volvo, Japanese cars.

Attention: It is not a counter-holding wrench for shafts.



B58012**Ratcheting Box - End Wrenches 10 mm**

*With T-handle

*Especially suitable for areas with restricted access

*Pivoting, >90°

*Extremely long

B58013**Ratcheting Box - End Wrenches 12mm**

*With T-handle

*Especially suitable for areas with restricted access

*Pivoting, >90°

*Extremely long

B58014**Ratcheting Box - End Wrenches 13mm**

*With T-handle

*Especially suitable for areas with restricted access

*Pivoting, >90°

*Extremely long

B58015**Ratcheting Box - End Wrenches 14mm**

*With T-handle

*Especially suitable for areas with restricted access

*Pivoting, >90°

*Extremely long

B58016**Driving tool for tensioning Decice**

*For operating the tensioning device when changing the V-ribbed belt, on VW Polo, Golf and Passat, AUDI since 1991

*Special steel

*Surface chrome-plated

B58017**Brake Spring Pliers**

*For the operation of the retaining springs at the drum brake linings e.g. on MERCEDES-BENZ type 168, class A, as well as on various French cars: RENAULT

Clio, Twingo since 2003

*For the new types of retaining springs (form C and P)

*Jaws are especially formed according to the retaining springs

B58018**Pliers for Axle Collar Clamps**

*For endless hose clamps on axle collars, on FIAT, NISSAN, RENAULT

*With cutting device

B58022**Pliers for Axle Collar Clamps**

*For endless hose clamps on axle collars, on FIAT, NISSAN, RENAULT

*With cutting device

B59005**Magnetic Fender Cover W / 4 Tool Holding Pockets**

SIZE: 1100*560mm (43-1/4"*22")

PACKING: 25PCS/22.5/23.5/2.5'

*Front cover made with PVC Sponge Leather,backing is TR/BRUSH which does not damage or scratch any surface.

*Top row includes STRONG magnets,which attract and stay on any metal surface easily.

*Easy to open and fold into compact size.

*The magnets are removable and replaceable before and after washing the fender cover.

B59006**Magnetic Fender Cover**

SIZE: 800*600mm(31-1/2"*23-3/4")

PACKING: 25 PCS/14/14.5/1.7'

*Front cover made with PVC Sponge Leather,backing is TR/BRUSH which does not damage or scratch any surface.

*Top row includes STRONG magnets,which attract and stay on any metal surface easily.

*Easy to open and fold into compact size.

*The magnets are removable and replaceable before and after washing the fender cover.

B59007**Magnetic Fender Cover**

SIZE: 1080*390mm(42-1/2"*15-3/8")

PACKING: 25 PCS/15/16/1.5'

*Front cover made with PVC Sponge Leather,backing is TR/BRUSH which does not damage or scratch any surface.

*Top row includes STRONG magnets,which attract and stay on any metal surface easily.

*Easy to open and fold into compact size.

*The magnets are removable and replaceable before and after washing the fender cover.

B59008**Magnetic Fender Cover W / 0 Tool Holding Pockets**

SIZE: 1100*560mm (43-1/4"*22")

PACKING: 25PCS/21/22/2.5'

*Front cover made with PVC Sponge Leather,backing is TR/BRUSH which does not damage or scratch any surface.

*Top row includes STRONG magnets,which attract and stay on any metal surface easily.

*Easy to open and fold into compact size.

*The magnets are removable and replaceable before and after washing the fender cover.

B59019**Hose Clamp Pliers**

For spring band hose clamps

B58020**Truck Front Leaf Spring, Pin & Bushing Service Set**

Truck Front Leaf Spring, Pin & Bushing Service Set.

Delivers 10 tons of hydraulic force to remove and install truck front spring eye pin and bushing assemblies quickly and easily. Services bushings with diameters from 1-1/4" through 1-7/8", pin diameters from 7/8" through 1-1/8". Handles all popular OE and aftermarket components, including Horton pin and bushing assemblies. Services bushing assemblies, in many cases without removing leaf spring hangers and spring assemblies from the vehicle. All accessories are included except the hydraulic hand pump, which must be purchased separately.

B58023**Injector Nozzle Tester**

The small injector nozzles used in smaller car and light-truck engines. It enables you to diagnose leakage, pop-off pressure, spray pattern, and chatter. It has a .68-gallon reservoir and is equipped with a replaceable 2-micron filter. It delivers 1cc of fuel per stroke and won't flood small nozzles. The unit is light enough to be easily carried for field use, or you can bench-mount it. Includes fittings, fuel line, and 5000PSI(350bar) gauge. Works on nozzles from Audi, GM, Mercedes-Benz, Nissan/Datsun, Toyota, and VW Rabbit diesels.

B58024**Nozzle tester adapter set**

This is our universal adapter set for testing injection nozzles on the most popular automotive, agricultural, and construction diesel engines. The set has 17 adapters.

B58025**7 Piece Soft-Grip Trim Pad Remover Set**

Includes the following seven most needed tools for removing or replacing door trim, trim pads, and handles. Tools are neatly arranged in a plastic tray.

B58026**Trim Pad Remover**

For all GM door trim panels. Curved blade helps remove plastic clips and nail-type clips without damage to either the clips or the trim.

B58027**Trim Pad Remover**

For GM and most imports. Same design as BT-100C except for different application. 7 1/2" long.

B58028**Trim Pad Remover**

For GM, Ford, and Chrysler. Features a screwdriver-type handle. 7 3/4" long.

B59029**Door Handle Tool**

For most late-model Chrysler cars. Hook end is designed for use on older-style handles.

B58030**Tool, Door Handle**

For most GM cars and trucks-except Cadillac, plus some Ford cars, Plastic-dipped offset handle 10 7/8" long.

B58021**1/4"*Triangle Extension Bar**

L59009**Mini Grease Gun**

For mini bearings,model planes & cars
toys,reel,automotive & marine parts,etc.....
good for hard to reach areas this grease gun is easy
to
operate,has a smooth flow and easy to carry around
the work shop.

L59010**Mini Grease Gun Refill Pack**

Torque Screwdriver



59559

Torque Screwdriver with window scale

Torque Screwdriver with window scale,
display range 4-12NM (30-90 INCH-POUNDS),
socket 11mm & 12mm (L:50mm), torque:
0.4-0.6Nm, accuracy: $\pm 4\%$



59560

Torque Screwdriver with window scale

Torque Screwdriver with window scale,
display range 1-5NM (10-50 INCH-POUNDS),
accuracy: $\pm 5\%$



22PC Ratchet Set

Model No. 59561

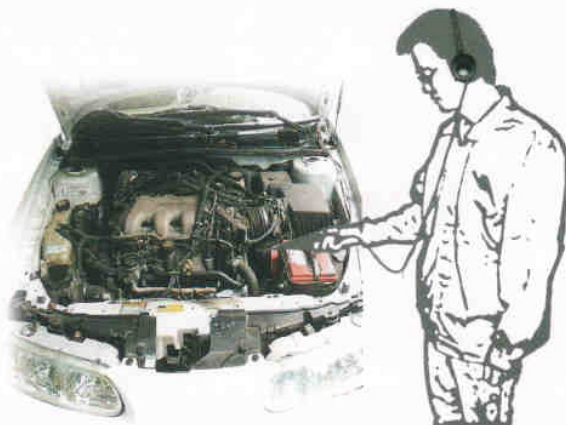
Automotive Noise Finder

58877 Automotive Noise Finder

This is a portable automotive noise finder which could quickly detect source or location of noises emanated from bearing, gear, valve, valve body, crankshaft, cylinder, gearbox, car body etc. parts after starting engine. It helps the serviceman to pinpoint the actual noise part and severity even in severe ambient noise.

- ▶ To determine the trouble location according to different noise.
- ▶ Sound amplification with volume control.
- ▶ Battery Voltage Indicate.

CE



Glow Plug Analyser

model

58879, GLOW PLUG ANALYSER

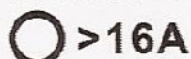
CE

GENERAL DESCRIPTION

The instrument can be used to make fast diagnosis of glow plug failure or degradation without the need to disassemble the glow plug from the engine. It is suitable for use on any 12Volt DC vehicle system. The six LEDs on the panel indicate the status of the glow plug under test and also whether the vehicle battery contains enough charge to power glow plug.



Defective (short circuit) glow plug.



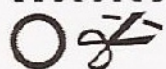
Higher than 16A in 3 seconds or less =OK; Higher than 16A but in more than 3 seconds = fault



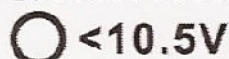
Glow plug is OK.



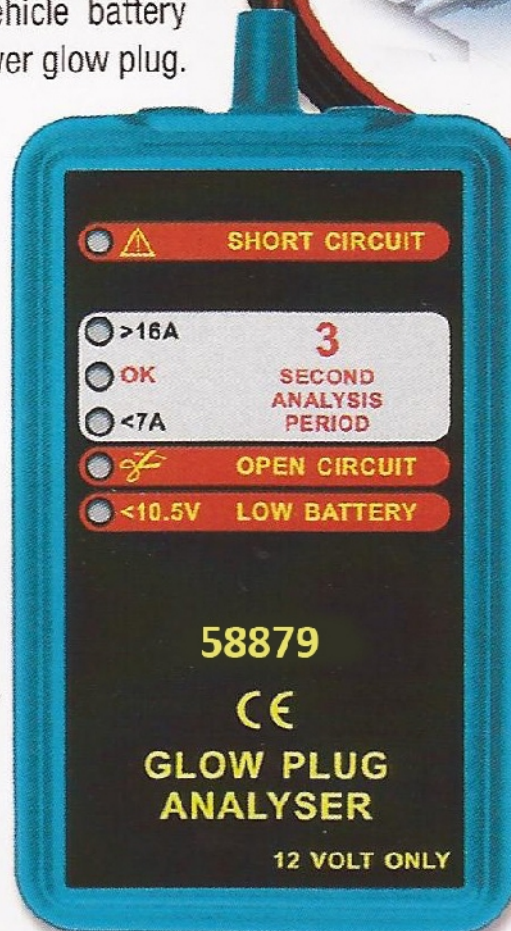
Defective (high resistance) glow plug.



Defective (open circuit) glow plug.



Vehicle battery is low so that the Glow Plug Analyser will not function correctly.



Electronic Stethoscope 58880



Power Supply : 9V(6F22) battery x 1pc

Dimensions : 206 x 50x 32mm

Weight : Approx. 205g(without battery)

NOISE FINDER

Quickly and accurately pinpoints noise and location of engine bad bearings, bushingsdirty fuel injectors, wind and air leaks, noisy valves and filters.

SHORT/LONG PROBE

Long and short shaft reaches tight areas Ultra-sensitive mike and amplifier gives full range of sounds needed by the professional.

This unit is a high performance maintenance tool which is particularly suitable for use in machine noise detection.

By using it, you can easily detect and find the early hidden trouble of a machine so that you can service the machine in an early time to ensure the machine's proper operation and avoid any damage and economic loss.

This unit's probe has a high-sensitivity so that you can use the unit to detect and locate the position where the machine's certain noise come from. All kinds of noise can be detected, for example, valve's quiver sound, tappet's tremolo, a loose piston's sound, tremolo of gear or pump and sound of relay solenoid. In addition, it can also be used to judge whether the liquid in a pipe is flowing or blocked, as well as to judge the working conditions of various motors, internal-combustion engines, diesel engines, engines, household appliances, the automatic assembly line, and so on.

APPLICATION

58880 can be widely used in ship, automobile, chemical manufacture, metallurgy, machine, household appliance and many other fields.



58880, SPECIFICATION

Frequency Range	100Hz~10kHz
Input Impedance	>15M Ω
Ambient Noise Permitted	100dB

Automotive Battery Tester digital type 58882



VEHICULAR BATTERY

This tester is designed for automotive battery load voltage test, charging voltage test and starter motor test. It is very useful and can be used in vehicle's fault diagnosis and service.

FEATURES

BATTERY LOAD TEST

This test evaluates a battery's ability to crank an engine. The tester draws current from the battery while measuring its voltage level. The voltage level of a good battery will remain relatively steady under load, but a defective battery will show a rapid loss in voltage. Battery size (CCA rating) and temperature will affect test result-follow instruction carefully.

COLD TEMP. EFFECTS

Because of the battery's chemical nature, it will test lower when cold than when warm. For most accurate results, this effect should be compensated for when the battery's internal temp. is below 40°F (4.4°C). Assume internal battery's internal temperature to be the day's high-low average temperature.

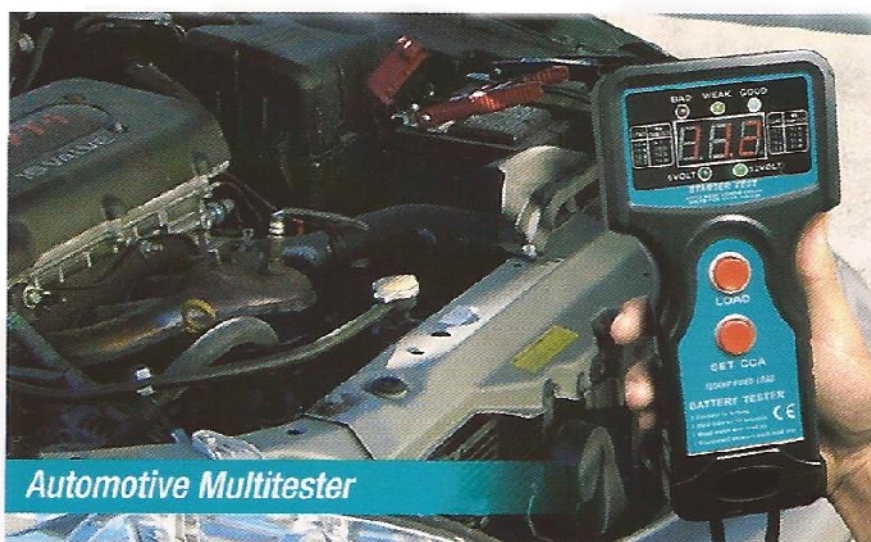
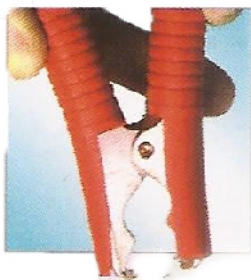
CHARGING VOLTAGE TEST

This test enables the user to measure the output voltage of the alternator/regulator and check for

undercharging or overcharging, which leads to poor battery performance and short life.

STARTER MOTOR TEST

This test identifies excessive starter current draw, which makes starting difficult and shortens battery life.



CE

Power Source:
Powered by the
vehicle battery directly

Dimensions:
204×102×64.5 mm
Weight: Approx. 250g
(Without battery)

Ultrasonic Diagnostic Tool 58883



Ultrasonic Diagnostic Tool 58883

USING AIR OR CONTACT PROBES

The air and contact probes are used to optimize the response depending on the type of inspection. The air probe is best used for detecting ultrasounds associated with a pressure leak or an electrical corona. The contact probe is best used to detect the ultrasounds generated from within a casting such as in a gear, bearing, pump, solenoid, valve, or steam trap housing.

USING LED GRAPH ON RECEIVER AND/OR HEADPHONES

Depending on the amount of ultrasonic signature being elected, use either the level of intensity on the LED graph and/or the audible amount of sound through the headphones. As you get closer to the problem decrease the volume. As the sound gets louder, repeat the process until you have pinpointed the location. Please note that the volume control is independent of the bar graph intensity during an inspection. With minute leaks, the LED bar graph may to move up from the first position. In this situation, use the audible signal as discussed above.



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TWO ANODIZED ALUMINUM PROBES

12" air probe and a precision length contact probe

Setting Keeper 58885

model

58885, SETTINGS KEEPER

KEEP YOUR "PERSONAL SETTINGS"

For safety reasons, this product has been designed to have limited output capability which provides just enough power to maintain the memory of the vehicle's on-board computer settings and codes. The product can be used to keep the settings of alarms, preset radio stations, clocks, anti-theft radios, preset seat positions, keyless entry systems, mobile phones, and other memory related functions.

- Uses a 9V battery to retain a vehicle's on-board computer settings and codes
- Plugs into your 12V cigarette lighter

