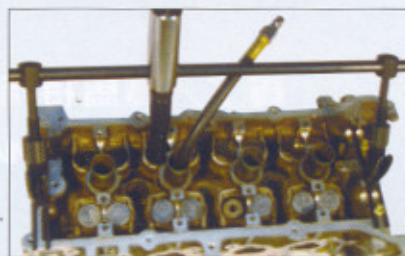




1238 ONE MAN OPERATION - VALVE SPRING COMPRESSOR KIT

單人操作免拆式凡爾鉗

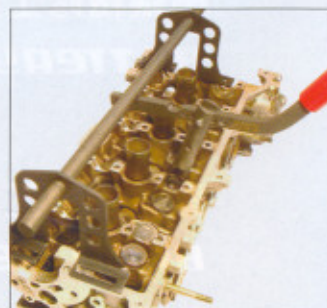
- Easy of use, operate by one person only.
- Recessed pocket on valve pusher allows replacement retrieval of valve collets.
- Valve pusher: 22mm Φ .
- Complete service tool kit for installation and removal of the valve spring without removal of cylinder head from the engine.
- Applicable: 12V, 16V, 20V, and 24V engine.
- Patented.



1620 VALVE SPRING COMPRESSOR KIT

免拆式凡爾鉗

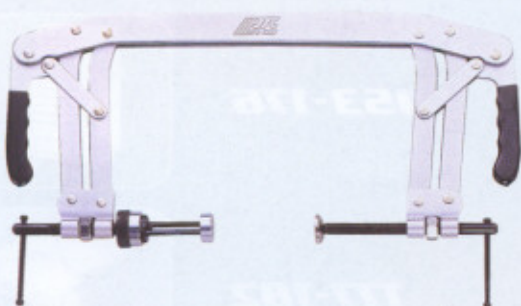
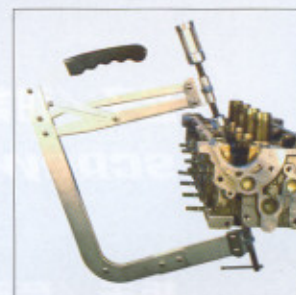
- Complete service tool kit for installation and removal of the valve spring without removal of cylinder head from the engine.
- Applicable for OHV&OHC petrol/diesel engine on Audi, Nissan, Toyota, Chrysler, Honda, Mazda, Mitsubishi, Porsche, Volvo, and VW etc...



1711 VALVE SPRING COMPRESSOR

萬能凡爾鉗

- Reversible jaw adaptor for multi-valve engines.
- Capacity 45-145mm, throated clearance 250mm big window jaw adaptor for easy replacement of valve collects.
- Dual size in 25mm and 30mm diameter.



1731 UNIVERSAL VALVE SPRING COMPRESSOR

雙壓式凡爾鉗

- Suitable for use on multi-valve petrol & diesel engines with deep seated valves.
- Also for use with OHC OHV & CVH engines.
- Jaw capacity of 55mm~175mm.
- Throat depth: 165mm.

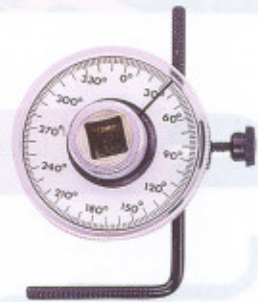
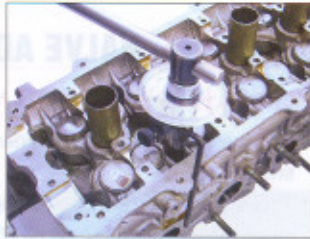




1814 TORQUE ANGLE GAUGE

扭力角度規

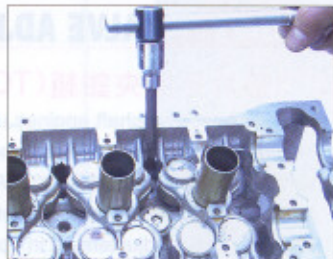
- Calling for fasteners to be tightened after torque load in torque-angle applications.
- 360 degree scale clearly marked in 2 degree increments & in intervals of 30.
- Easily zero the gauge by turning housing for every application.



1936 1/2" x M9 CYLINDER HEAD BOLT TOOL

1/2" x M9 12角軸套筒

- The 100mm length allows easy access to recessed head bolts.
- Comes with 1/2" drive for use with a torque wrench.
- Use for TOYOTA Tercel cylinder head bolt.



1430 OVERHEAD VALVE SPRING COMPRESSOR

下壓式凡爾鉗

- For use on a wide range of OHV, OHC and CHV engines.
- Not suitable for use on engines with deep seated valves.
- Allow valve springs and valve stem oil seals to be replaced with the cylinder head.
- Feature a reversible jaw/adaptor and automatic cam-action locking to a re-determined setting.



1304 VALVE SPRING COMPRESSOR

螺桿型凡爾鉗5PCS

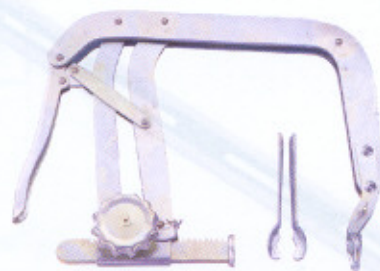
- Used for Car & Motorcycle.
- Pusher size: 16mm, 19mm, 23mm, 25mm, and 30mm.
- 5pcs pusher for fitting the valve spring correctly and easier to compress the valve spring easily.



1421 LARGE VALVE SPRING COMPRESSOR

爪型凡爾鉗

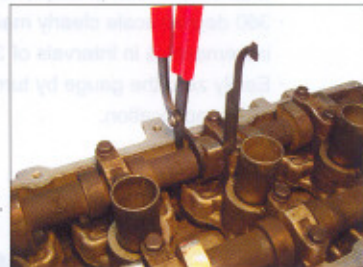
- Larger design to use on the engine which valve spring exposed outside.
- With straight and bend jaws.
- Applicable: 12V engine, Diesel engine...



1904N VALVE ADJUSTING TOOLS

氣門墊片更換夾鉗組(NISSAN)

- For overhead camshaft engines using spacer shims.
- This unique tool has been designed to allow for easy valve adjustment on all NISSAN'S, and many other overhead camshaft engines using spacer shims for valve adjustment in operation.



1904T VALVE ADJUSTING TOOLS

氣門墊片更換夾鉗組(TOYOTA)

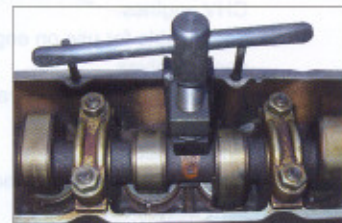
- For overhead camshaft engines using spacer shims.
- This unique tool has been designed to allow for easy valve adjustment on all TOYOTA'S LEXUS and many other overhead camshaft engines using spacer shims for valve adjustment in operation.



1937 VALVE ADJUSTING TOOLS

氣門墊片更換夾鉗(歐系)

- Used for VOLVO, OPEL...European cars.
- For overhead camshaft engines.



1302 VALVE LIFTER REMOVAL / INSTALL TOOL

氣缸油壓頂桿拆裝器

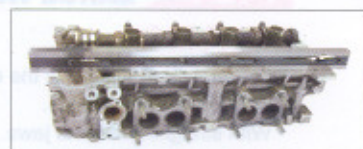
- A special design to depress the valve spring for removal of the hydraulic valve lifters.
- By pulling up on the tool, the valve spring is depressed and remove the valve spring retainer and then the hydraulic valve lifter can be removed.
- Applicable engine: DOHC 1.6 liter and 2.0 liter, 4 cylinder, 1989 and later, 3.0 liter 6 cylinder, 1991 and later, 3.5 liter 6 cylinder, 1995 & 1996.
- Applicable: MITSUBISHI, KIA, CHRYSLER



1010 STRAIGHT EDGE

氣缸平面量規壓尺

- Dimension 1-3/8" height and 20-1/2" length. Convenient hanging hole and edge protector.
- Use with feeler gauges to check distortion in engine blocks, cylinder heads and flywheels.

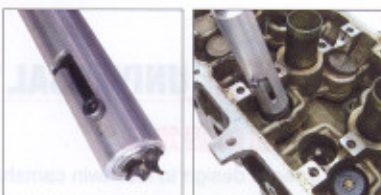




1252 VALVE COLLET REMOVER

氣門彈簧半圓形固定銷拆卸器

- Full length: 160mm
- Designed to remove the valve collet quickly and easily.
- The body is with magnetic. When you hit the tool to the valve spring, the collet will be attracted by the magnetic.
- Patented.



1244 VALVE COLLET INSTALLING & PICK UP TOOL

氣門彈簧半圓型固定銷按裝器

- This tool holds the valve keepers in its magnetic jaws for better adjustment into the valve stem grooves during installation.
- Easily reaches into recessed pocket to retrieve install valve keepers.
- Retrieves small parts from any recessed or limited area.
- Contents: 3 pcs valve keeper installing tool
Flexible magnetic pick up tool



1243 DEEP VALVE SEAL REMOVER

深孔型氣門油封拔取鉗

- This model of remover is special design to remove the deep seated valve seal.
- Maximum: 23 φ
- Maximum depth: 217mm
- T handle with ON-OFF function for stronger grasp of seal.
- Patented.



1716 VALVE STEM SEAL PLIERS

氣門油封拔取鉗

- Designed to reach into confined area for removal of valve seal.
- Serrated tip for better grasp of valve seal regardless of its configuration.



1717 VALVE SEAL REMOVAL & INSTALLER KIT

氣門油封拆裝組

- For removing and installation of valve seal.
- Precision machined seal driving adapters for proper setting of valve seal.
- Set contains:
 - 1-Valve stem seal plier. (JTC-1716)
 - 1- Drive handle 6" (150mm) long.
 - 2- Deep seal driving sockets for seals O.D. 10.8-14.8mm
 - 7-Seal driving adapters fit seals 5, 5.5, 6, 6.6, 7, 8, & 3/8".





1314 UNIVERSAL TWIN/4CAM LOCK

雙凸齒輪固定器

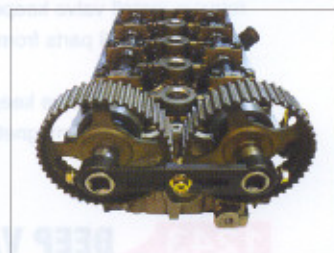
- Special design to lock twin camshafts timing marks during timing belt replacement.
- Fit onto sprockets and lock into the teeth.
- Adjustable arms to fit various diameters and tooth pitch.
- Also suitable for locking between cam and diesel injection pump sprockets.
- One man operation.
- Applicable: Gas & Diesel engines.



1362 UNIVERSAL CAMSHAFT ALIGNMENT TOOL

圓孔型雙凸齒輪固定器

- By using sockets to lock onto camshaft central screw.
- Adjustable to fit most kinds of vehicle.
- Special design to align camshaft and for remove or install the guide rail pin.



1113 VACUUM CUP VALVE GRINDER

手動凡爾研磨器(2PCS)

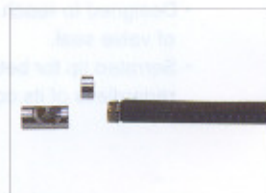
- For hand grinding flat head, unslotted valves. Synthetic rubber vacuum cups are resistant to oil, grease, gasoline and are replaceable.
- Cup diameters: 5/8", 13/16", 1-1/8", 1-3/8".



1406 REFRACTION LENS

內試鏡用折射鏡頭

- Use with #1334, and augment sight of angle.
- Use the refracting scope can survey 90° sight of angle.
- First, take off the scope of #1334, then install refracting scope to work.



1334 IMAGE GUIDE SCOPE

手握型內視鏡

- Inspects Hard-To-Reach corners.
- Flexible cables for easy operations.
- Equipped with illumination lamp for clear viewing.
- Cable length: 18", Diameter: 8mm
- Powered by 2AA batteries.
- With 5 lamps.

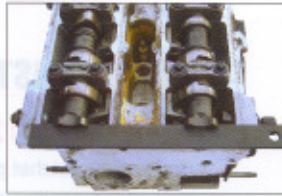




1723 CAMSHAFT ALIGNMENT TOOL

正時工具組(MONDEO)

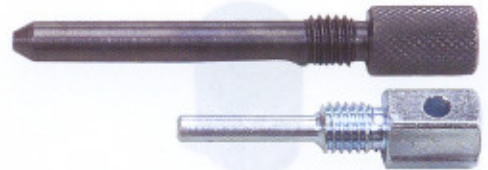
- For holding camshaft in place.
- Applicable: Ford Mondeo/Matrostar



1418 FORD/MAZDA TDC TIMING PINS

FORD/MAZDA 正時插銷

- Updated set now covers zetec engines found in Focus, Mondeo and Cougar from 98 on.
- Also covers Ford 1.6, 1.8, twin cam 16v petrol engines, and Mazda 121 1.25ltr petrol engine.



1813 CAMSHAFT ALIGNMENT TOOL

正時工具組(福特天王星)

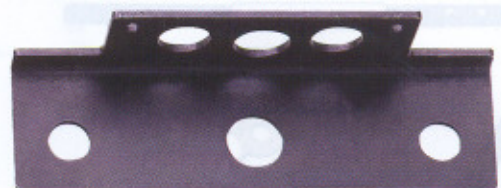
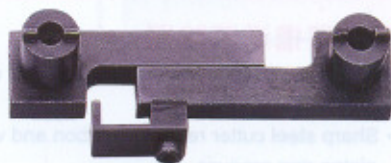
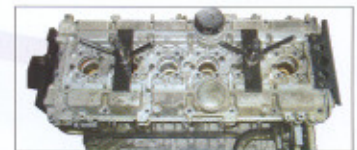
- For holding camshaft in place.
- Applicable: Ford Telstar.



1829 CAMSHAFT/CRANKSHAFT ALIGNMENT TOOL

正時工具組(VOLVO專用)

- 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.





1734 PISTON RING COMPRESSOR

活塞環夾 3" x 125mm

- Self locking ratchet pawl prevents premature release and allows positive locking action.
- 3" height, capacity 2-1/8" to 5" (53-125mm)



1735 PISTON RING COMPRESSOR

活塞環夾 3" x 175mm

- Self locking ratchet pawl prevents premature release and allows positive locking action.
- 3" height, capacity 3-1/2" to 7" (90-175mm)



1736 PISTON RING COMPRESSOR

活塞環夾 4" x 175mm

- Self locking ratchet pawl prevents premature release and allows positive locking action.
- 4" height, capacity 3-1/2" to 7" (90-175mm)



1737 PISTON RING COMPRESSOR

活塞環夾 6" x 175mm

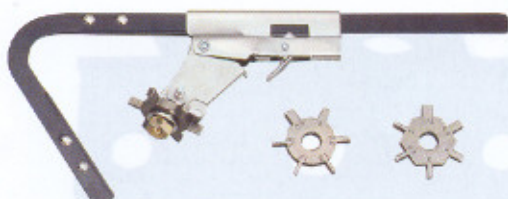
- Self locking ratchet pawl prevents premature release and allows positive locking action.
- 6" height, capacity 3-1/2" to 7" (90-175mm)



1348 ADJUSTABLE PISTON RING INSTALLER

活塞環撥開鉗

- Make installing piston rings safe and easy without over-expanding rings.
- Works on most common piston diameter.
- Capacity: 3/64" to 1/4" thickness.



1349 PISTON RING GROOVE CLEANING TOOL

活塞環槽溝清除器

- With three easy-to-set cutter wheels for quick cleaning of grooves.
- Sharp steel cutter removes carbon and vanishes from piston ring grooves.
- Sizes: Blade 1: 1/16", 5/64", 3/32", 1/8", 5/32", 3/16".
Blade 2: 2, 2.5, 3, 4, 4.5mm & 1/4".
Blade 3: 1.2, 1.5, 1.8, 2.8, 5, 5.5mm





1608 SEAL PULLER

油封拉拔器(雙頭大型)

- Removes oil & grease seals.
- Two tips fit most application.



1730 5PC HOOK & PICK SET

油封拉拔器5支組(小型)

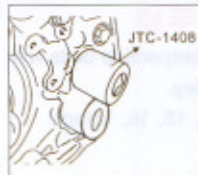
- Stainless steel points.
- Set contains awl, hook tool, 45° & 90° bent tool.
- Use for detail works and scribing, picking jobs.



1408 ENGINE BALANCE SHAFT O-RING REMOVER

引擎平衡軸O令更換套筒

- Suitable for removing the o-ring of engine balance shaft.
- The special socket will remove the special screw on the o-ring and then replace the o-ring easily.
- Applicable: Mitsubishi, KIA



1422 BRAKE CYLINDER HONE

剎車三爪內徑研磨器(64mm)

- Range: 3/4"~2-1/2"(19~64mm)
- Stone size: 28.5 x 5 x 3 (3pcs)
- Collar prevents stone breakage.
- Sleeve makes insertion in cylinder easy and protects stones when not in use.



1423 ENGINE CYLINDER HONE

引擎三爪內徑研磨器(178mm)

- Range: 2"~7"(51~178mm)
- Stone size: 100 x 10 x 8 (3pcs)
- Collar prevents stone breakage.
- Sleeve makes insertion in cylinder easy and protects stones when not in use.





1803 POWER STEERING PUMP PULLEY KIT

動力方向盤拆裝器

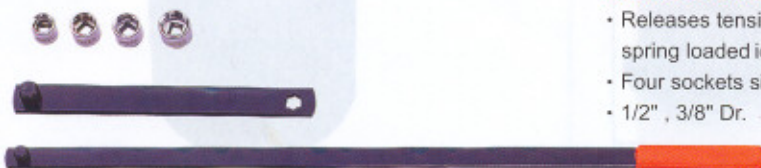
- Thompson & Ford C111, C2 power steering pumps found on Ford, GM & Chrysler Vehicles.
- A disconnect tool to release the power steering line from pump on 1989-current GM pickups 1/2T, 3/4T & 1T.



1211 BELT TENSION ADJUSTER

惰輪皮帶張力調整器(三菱)

- Two cylinder design for easy to fix the tension pulley, adjustment by the 1/4" wrench.
- Application: MITSUBISHI model with injection engine.



1603 SERPENTINE BELT TOOL

惰輪皮帶調整扳手組

- Releases tension on serpentine belts with spring loaded idle pulley.
- Four sockets size: 13, 15, 16, 18mm
- 1/2" , 3/8" Dr.



1424 UNIVERSAL TENSIONING GAUGE

皮帶張力器 FOR CAM BELTS

- It can be used to adjust the tension on the cam belt where the movement of timing belt is measured by load(NM).
- Suitable for use on cam belts various belt widths.
- Easy to use.
- Clear incremental marking with knurled knob for precise measurement.
- Dual scale allows reading from top or bottom of tool.



1022 ENGINE SLING CHAIN SET

引擎吊鍊組

- For alignment of the engine's core, special design on the adjustable chain.





1732 BALANCER PULLER & INSTALLER

正時皮帶盤拆裝器

- A professional tool set for balancer replacement.
- Built-in bearing makes balancer replacing job easy and damage-free.
- 4-slot puller plate plus 9 threaded adapters to fit on balancers on most engines.



· Removing



· Installing



· Bearing

1835 CHRYSLER CRANKSHAFT PULLEY REMOVER /

克萊斯勒小型正時皮帶盤拆裝器

- 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-or 5-hole crank gear; 1986-current 2.5L engines with 4-or 5-hole crank gear.

INSTALLER



1953 CHRYSLER CRANKSHAFT PULLEY REMOVER

三爪式正時皮帶盤拆裝器(克萊斯勒)

- This tool was developed to aid in the removal of the harmonic damper pulleys found on many Chrysler Corporation engines. This pulley is hard to access and remove due to space limitations in and around the engine compartment.



1350 CHANGEABLE TWO JAWS PULLEY REMOVER

兩爪更換型皮帶盤拆卸器

- Suitable to use when the space limited.
- To change the parts easily for fitting the different cars.
- Jaw length: 72/95mm
- Jaw depth: 18mm, Width: 4.4mm.



1102 CRANKSHAFT PULLEY REMOVER

正時皮帶盤拆卸器(R-2)

- Application: FORD model engine R-2
- To fix the male thread on the pulley and screw the axle bolt to remove the pulley.



1830 UNIVERSAL PULLEY HOLDER

凸軸萬用支撐扳手

- A great time saver, this unique tool is designed to trap and hold bolt-on pulleys by the mounting bolts on most applications.



1831 UNIVERSAL CAMSHAFT PULLEY HOLDING TOOL

皮帶盤支撐扳手

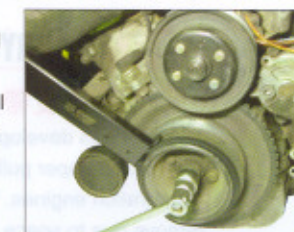
- For use on Toyotas, Nissans and other OHC engines.
- This wrench is designed with grooved pins which are designed to hold the camshaft pulley stationary while loosening and tightening the center shaft bolt.
- While useful on most Asian overhead cam engines, it is most needed on transverse mounted V6 engines such as the VG30 used in Nissan Maximas, as well as, the 3VZFE and 1MZFE engines used in Toyotas Camrys.



1901 PULLEY REMOVING WRENCH

皮帶盤束緊支撐扳手

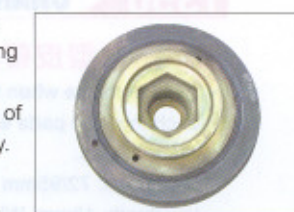
- Ideal for removing and assembling any type of grooved pulley for V-type belt.
- Ideal for alternator and pump pulleys, but also essential for electric motors of compressors, washing machines, tool machines etc.
- Also suitable to rotate the camshaft when timing the engine and removal of oil and gasoline filters.



1902 HONDA HARMONIC DAMPER PULLEY PULLER/ HOLDER

正時皮帶盤支撐扳手(HONDA)

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



1209 UNIVERSAL CAMSHAFT PULLEY HOLDING TOOL

通用型皮帶盤支撐扳手組

- Applicable to every belt pulley.
- Each hooks can be changed to fit in the bore diameter.
- Serrated hooks to secure on the holes of the pulley.
- Adjustable Jaws Type.
- Connected 1/2" Dr. wrench in the end to hold the pulley.
- Patented.





1903 3/8" x 14mm FLARE NUT WRENCH

3/8" x 14mm 單開口扳手(加長型)

- Used for TOYOTA, HONDA bolts of fuel filter cup.
- Full length 94 mm, suit for narrow place.
- Special design with cover for holding the nut completely and prevent slipping.



1437 1/2" X 17mm FLARE NUT WRENCH

1/2" X 17mm 單開口扳手(加長型)

- Used for TOYOTA, HONDA bolts of fuel filter and tube.
- Full Length: 97mm, suit for limited space.
- Special design with cover for holding the nut completely and prevent slipping.



1213S DIESEL OIL FILTER REMOVER SET

堅達柴油濾心器拆裝組

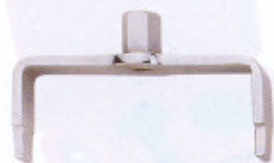
- Include 1213 Diesel oil filter wrench x 1, 1214 Diesel oil filter switch wrench x 1
- Applicable: MITSUBISHI CANTER model and most diesel engine.



1015 FUEL TANK LID TOOL(SAAB)

汽油油箱蓋拆裝器(SAAB)

- Applicable: SAAB model 900.
- Used to remove & install the plastic fuel tank lid.



1429 NYLON STRAP OIL FILTER WRENCH

帆布型機油芯扳手

- Removes any oil filter up to 152.44mm(6")
- Use with 1/2" DR. (19mm)wrench or screwdriver to remove the filter.





1721 CLUTCH SPRING COMPRESSOR

立式變速箱離合器壓板工具(四支腳)

- Adjustable legs fit most cars & trucks for replacement of transmission rear clutch piston snap ring.
- Special design to assemble & reassemble the clutch snap ring easier.
- Capacity: Clutch diameter from 64 mm to 175 mm.
- Patented.



1841 CLUTCH SPRING COMPRESSOR

變速箱離合器壓板工具(2隻腳)

- For removing and installing the transmission rear clutch piston snap ring...adjustable, for most models of American cars and light trucks.



1728 ANGLE TIP LOCK RING PLIERS

平口鋼圈鉗

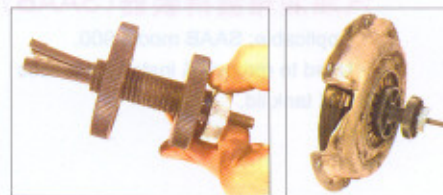
- Spread snap lock rings on brakes, transmissions, pedal shafts, clutch shafts & machine tools.
- Jaws have deep serrations on the outside of tip to help lock rings securely.



2110 UNIVERSAL CLUTCH ALIGNMENT SET

離合器對孔校正器(塑鋼)

- This tool makes the alignment and assembly of clutch.
- Specially designed for those vehicles equipped with late-model front wheel drives without pilot bearing in flywheel.
- Size: small cone: range 14.4~21mm
large cone: range 20.9~29mm



2120 CLUTCH ALIGNMENT SET

離合器對孔校正器(鐵)

- Align single disc clutches on most vehicles, light truck & tractors.
- Properly aligns clutch plate by tapered cone fitting into pilot bushing or bearing.
- Size: 8 collects ranging from 0.465" (11mm) to 0.980"(24.9mm)





1606 OXYGEN SENSOR SOCKET

含氧感應器套筒

- 1/2" Dr. 7/8" (22m/m) x 90mm long, 7mm slot for oxygen sensor on Japanese cars Ford, GM, Chrysler & other cars.



1607 OXYGEN SENSOR SOCKET

含氧感應器套筒(歐規)

- 3/8" Dr. 7/8" (22m/m) flare nut socket for vacuum switch & oxygen sensor service on computer controlled engines.



1706 OIL PRESSURE SENDER SWITCH SOCKET

機油壓力輸送開關套筒(27mm)

- 1/2" Dr. 1-1/16" (27m/m) X 3-1/2" long for oil pressure sending unit on 2.0, 2.3, 2.5, 2.8, 3.0L GM's cars.



1707 OIL PRESSURE SENDER SWITCH SOCKET

機油壓力輸送開關套筒(30mm)

- 1/2" Dr. 1-3/16" (30m/m) X 4" long for oil pressure sending unit on 2.0, 2.3, 2.5, 2.8, 3.0L GM's cars.
- The same function as #1706.

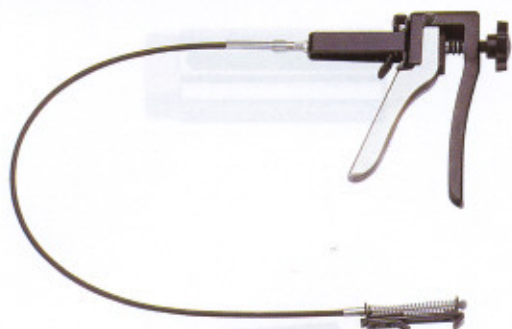


1425 7 PCS SENSOR SOCKET SET

7PCS 感應套筒組

- Special socket for removing oxygen sensor.
- Contents: 1/2"DR. x 29mm x 90mmL(7mm slot); 1/2"DR. x 27mm(12pt) x 82mmL 3/8"DR. x 7/8" x 90mmL(20mm slot) ; 3/8"DR. x 1-1/16" x 74mmL 3/8"DR. x 7/8" x 80mmL(7mm slot) ; 1/2"DR. x 22mm x 90mmL(90°) 3/8"DR. x 22mm x 31mmL(90°)

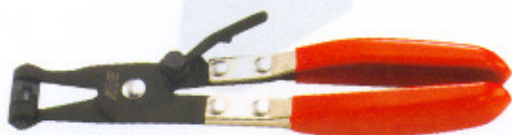




1812 UNIVERSAL HOSE CLAMP REMOVER

可彎式喉式管束夾鉗

- For removal of hose clamp on fuel, oil and water hose.
- Hose clamp with flexible 600mm wire.
- Convenient for working hidden areas and long distance.
- Patented.



1027 HOSE CLAMP PLIERS

直型喉式管束鉗

- Finger tip "position lock" to keep hose clamps spread open.
- Convenient for replacement of lower radiator hose.
- Fits most size clamps.



1028 CURVED HOSE CLAMP PLIERS

彎型喉式管束鉗

- Finger tip "position lock" to keep hose clamps spread open.
- Convenient for replacement of lower radiator hose.
- 45° designed to fit some clamp in deep position.



1935 HOSE REMOVER PLIERS

油管分離鉗

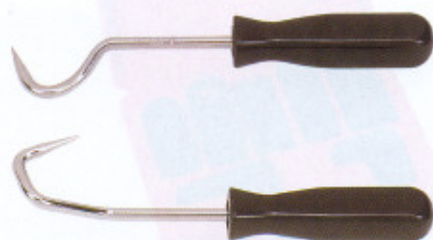
- For easy removal of 5/32" to 1/2" vacuum and fuel hoses.
- Fit the jaws on the tube with black jaw on the tube and silver jaw on the hose.
- Squeeze to push the hose off the tube.



1152 HOSE REMOVER PLIERS

專利型油管分離鉗

- Special JAWS design, one side is flexible to fix on the tube when using, the other side to pull out the hose.
- Hose range: 1/4"~1/2".



1253 HOSE REMOVER

油管分離起子組(2PCS)

- Special designed to remove the hose easily.
- 12 sets/72 sets/15.5 kgs/16.5 kgs/2.6'





1341 FLUID LINE CLAMPER SETS

4PCS U型封管夾

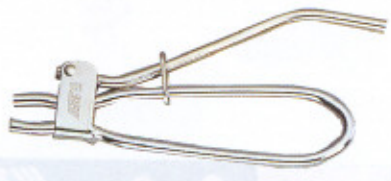
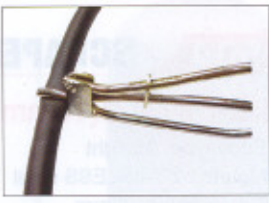
- Special design to stop the fluid flow without damaging the hose.
- Application: 13411 - 10mm (3/8")
13412 - 15mm (5/8")
13413 - 25mm (1")
13414 - 45mm (1-3/4")



1342 FLUID HOSE CLAMP

小型封管夾

- Completely or partially closes flexible brake, fuel, and vacuum fluid line.
- All steel construction with adjustable locking collar.



1343 HOSE PINCH-OFF TOOL

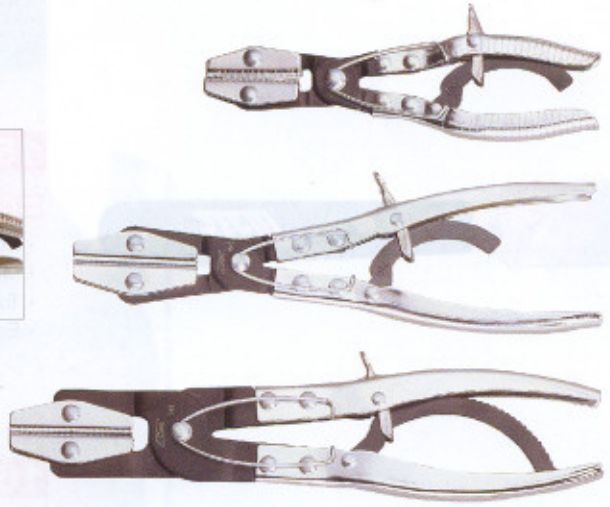
中型封管夾

- Suitable for both brake and fuel lines.
- Effective pinch action with rounded clamp section to prevent damage the hose lining.



平口式封管鉗 HOSE PINCH-OFF PLIERS

- The pinch-off pliers act as a third hand to help you keep hose changed tightly when you are servicing various engine components.
- Swivel jaws for level clamping.
- Locking ratchet provides tight grip in just about any position.



編號 Item	規格 Spec
1344	8"
1345	10"
1346	12"

1347 2 PCS MULTI-PURPOSE HOSE & WIRE PLIERS

2PCS 油管拔取鉗

- Special design for disassembly vacuum hose, radiator hose, fuel hose and spark plug wire, etc...
- Capacity: 1/4" ~ 3/4" O.D.
- Length: 8.5" & 10"





1501 CHISEL SCRAPER KNIFE

木柄刮刀

- This heavy duty blade is designed with a chisel edge.
- 1- 1/4" (32mm) wide blade.
- 7-1/2" (190mm) OAL.



1504 SCRAPER KNIFE(15mm)

白鐵木柄刮刀(15mm)

- Edge type: Straight
- Material: STAINLESS steel
- Total length: 190mm
- Edge width: 15mm



1505 SCRAPER KNIFE(20mm)

白鐵木柄刮刀(20mm)

- Edge type: Straight
- Material: STAINLESS steel
- Total length: 190mm
- Edge width: 20mm



1506 SCRAPER KNIFE(30mm)

白鐵木柄刮刀(30mm)

- Edge type: Curred
- Material: STAINLESS steel
- Total length: 190mm
- Edge width: 30mm



1617 SPARK PLUG HOLE THREAD CHASER

火星塞攻牙器(雙頭)

- Tapered double ended for both 14m/m and 18m/m threads designed to start and remove carbon & dirt or straighten damaged threads in spark plug hole. Use with deep socket, open ends or boxes wrench.



1618 SPARK PLUG HOLE THREAD CHASER

火星塞攻牙器 3/8" x 14mm

- Cleans threads in spark plug hole.
- Use with 5/8" (16mm) spark plug socket or 3/8" square drive tool.



1009 DELUXE NOID-LITE SET

噴油嘴測試燈

- The fastest, easiest, most economical way to check electronic fuel injection signals.
- Includes lights to check TBI systems on GM, Ford, and Geo; GM and Bosch PFI systems; and GM's new SCPI (sequential central port injection) system.



1251 DELUXE NOID-LITE/IAC TEST KIT

全配備噴油嘴測試組

- Set includes seven noid lights for testing GM PFI, FORD TBI, GEO TBI, BOSCH PFI, GM TBI, GM SCPI, GM MULTEC2, BOSCH 2 and two IAC signal test lights for Gm1982 or newer, GM TBI and PFI., And GM model 1981 or newer GM model 700 TBI and PFI fuel injection system, and one fibre optic noid lite extension.
- Kit comes in a deluxe molded plastic case.



1315 OIL PAN SEPARATOR TOOL



油底殼密合處分離器

- Wide, tapered, round blade edges between metal surfaces to break gasket seals on engine pumps, transmissions or any difficult to separate gasket joints.
- Blade width: 1-7/8" (48mm)
- Length: 3-1/8" (78mm)



1117 OIL SCREWS SOCKET SET

油底殼螺絲套筒組

-  : 3/8", 8, 9, 10, 12, 14, 17mm
-  : 8, 10, 11, 12, 13mm
- Use with wrench 17m/m.
- Use to remove the engine oil and transmission oil screws.



2019 ASSORTMENT OF COPPER GASKETS & SCREWS

機油螺絲+銅華司組(18種)

- Screws: 10mm x 5pc; 12mm x 5pc; 13mm x 5pc; 14mm x 5pc; 15mm x 5pc; 16mm x 3pc; 18mm x 3pc; 20mm x 3pc
- Gaskets(made of brass material): 6mm x 50pc; 8mm x 50pc; 10mm x 50pc; 12mm x 50pc; 13mm x 50pc; 14mm x 50pc; 15mm x 50pc; 16mm x 50pc; 18mm x 50pc; 20mm x 50pc
- Total: 534 pcs.





1601 OIL FILTER WRENCH

夾式機油心扳手90mm

- Hardened drop forged CR-V steel tool removes stubborn filters 60m/m up to 90m/m.
- Slip joint design makes adjustment fast & easy.



1602 OIL FILTER WRENCH

夾式機油心扳手115mm

- Hardened drop forged CR-V steel tool removes stubborn filters 85m/m up to 115m/m.
- Slip joint design makes adjustment fast & easy.



1151 OIL FILTER WRENCH

固定鉗式機油心扳手

- Chrome-vanadium steel made.
- This plier can be adjusted and fastened for applications at any angle.
- Suitable for installing, removing, and tightening objects of any shapes.
- Jaws opening: 2-1/8" to 4-5/8" (53-108mm).



1942 TWO WAY OIL FILTER WRENCH

三爪雙向機油心扳手

- Removes all oil filters from 2-1/2" to 4" in diameter.
- Use with 1/2" square drive tool.
- Size: range 2-1/2" - 4" (63-102mm)



鋼片機油心扳手 OIL FILTER WRENCH

- Professional oil filter wrench unique "Swivel-Handle" design allows adjustable band to rotate 180 degrees, to reach tight areas. Full range of sizes to fit sub-compact to truck filters. Parts are heat-treated for strength and durability and all wrenches feature vinyl grips.

編號 Item	規格 Spec
1945	2-3/8" ~ 2-7/8" (60mm-73mm)
1946	2-7/8" ~ 3-3/8" (73mm-85mm)
1947	3-3/8" ~ 3-3/4" (85mm-95mm)
1948	3-3/4" ~ 4-3/8" (95mm-110mm)



鋼板碗型機油心扳手 OIL FILTER SOCKET

• Use with 1/2" Dr. tool or 21mm wrench.

編號 Item	規格 Spec	適用車種 Applicable
1114	65mm/14P	TOYOTA, NISSAN
1021	67mm/14P	FORD, MITSUBISHI, MAZDA
1235	74mm/14P	BENZ, BMW, AUDI, VW, OPEL
1403	79mm/15P	MITSUBISHI, HONDA, NISSAN, TOYOTA



強力碗型機油心扳手 PROFESSIONAL OIL FILTER SOCKET

• Use with 1/2" Dr. tool.

編號 Item	規格 Spec	適用車種 Applicable
1101	89mm/15P	ISUZU(3.5T Diesel Engine)
1951	101mm/15P	MITSUBISHI(Diesel Engine), MAZDA, TOYOTA



1448 9PCS OIL FILTER SOCKET SET

9PCS 環保型機油芯扳手組

- Use with 3/8" Dr. or 21mm wrench.
- Size: 27/6P, 32/6P, 36/6P, 76/14P, 75.6/14P, 86/16P, 76/12P, 93/15P
- With a specialized 21mm wrench
- Applicable: BENZ, BMW, VOLVO, VW, FIAT, RENAULT, HONDA, MAZDA, NISSAN, TOYOTA...etc.



1103 TWO WAY OIL FILTER WRENCH

二爪正反轉機油心扳手

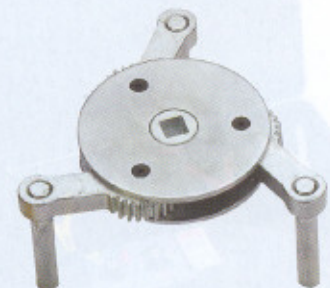
- The tool with serrated design for better grip of oil filter during removal/installation.
- Use with 1/2" Dr. or 21mm wrench.
- Size: range 60-80mm



1451 TWO WAY OIL FILTER WRENCH(HEAVY DUTY)

三爪雙向強力型機油芯扳手

- Heavy duty designed. Remove larger filter and diesel ones.
- Use with 1/2" wrench and deep to 40mm
- Range: 80-120mm



1324 OIL FILTER WRENCH

碗式加柄型機油心扳手

- Handle specially tilted for easy removal /installation of oil filter.
- Size: 80mm, 15 points
- Applications: MITSUBISHI SAVRIN.





1921 MECHANIC'S STETHOSCOPE

音診器

- Locates source of engine noise quickly.
- Inspect for problem by tracing sound of flowing water, oil, gas or steam.
- Handle is shockproof.



1007 MECHANIC'S STETHOSCOPE

雙用型音診器

- Provides a fast and easy way to locate noises in engines or bearings and other moving parts.
- Aluminum alloy probe/needle for finding the exact location of specific noises.
- Instrument is shockproof.
- Ideal for pinpointing unusual vibration or suspected leaks (valves, piston ring, gasketss, etc...)



1449 COMBINATION ELECTRONIC STETHOSCOPE KIT

電子式動靜態音診器(4組線)

- To locate & identify noise and enable road test diagnosis.
- Super sensitive microphone pick up
- Defect & isolate noisy components
- Contents: Flexible non-conductive shaft
Cushioned headphones
4 channel sensor selector unit
4 pick up sensors-4.8mm ling cords



1426 ELECTRIC DYNAMIC STETHOSCOPE FOR

電子式靜動態音診器(6組線)

VEHICLE

- It intend and designed for car maintenance/repair technicians to locate the abnormal noise emitting from elements of the vehicle at a far higher efficiency far more effectively than ever.
- High technologies certainly benefit automotive techs and are applied in engine, power wires, and lines.
- With two earphones for the engineer and customer to operate together for getting confidence from the customer.
- Contents: user's guide x 1, earphone x 2, test clamp x 5, test sensor (with magnetic) x 1, nylon fastening tapes x 6 main unit control box x 1, outer case x 1, magnetic testing probe x 1, sensor with suction pad x 1, airflow meter x 1





1005 COOLING SYSTEM TESTERS

水箱壓力錶組(14PCS)

- Test cooling system for leaks.
- Includes hand pump, test head in a blowmold case.
- Suit for: Nissan, Mitsubishi, Mazda, Subaru, Toyota, Honda, Ford GM, Chrysler, VW, Audi, Volvo, Saab, Mercedes Benz, BMW, Renault, Fiat, Alfa Romeo, Infiniti, Geo, Suzuki, Isuzu, Lexus, Opel, Peugeot, Jeep, Rover, Citron, Truck.



1414 COOLING SYSTEM TESTERS(7PCS)

水箱壓力錶組(快速型) 7PCS

- To test water tank and density of water tank cover.
- Applicable: Mercedes, GM(Buick),Jeep, Peugeot Subaru, Chrysler,Acura, GM (Nova, Spectrum, Sprint) Mitsubishi, Nissan, Mazda, Toyota, Infiniti, Geo, Suzuki, Isuzu, Ford, Honda, Toyota, Suzuki, Mitsubishi, Chrysler, Acura



1236 LEAK-CHECK

引擎燃燒室測漏組(藥水型)

- Spots and locates combustion leaks quickly in cracked or warped heads, leaky gaskets or cracked block. Use Leak-Check in the radiator opening with engine idling. The blue test liquid will turn into yellow in 60 seconds if there is a combustion leak, no matter how small. Get exact location of leak by disconnecting one spark plug at a time and retest. Completely accurate proof of leak.
- Perfect combination with JTC 1005
- 250cc fluid container.
- Patented.



1245 AUTOMOTIVE VACUUM & PRESSURE TEST KIT

全配備正負壓槍

- Attach many kinds of joint to fit most kinds of vehicles.
- The body has the switch to control two kinds of pressure conditions.
- Include the parts of brake bleeder.
- Pressure range: positive pressure. 0 ~ 60 psi(1 ~ 4 inhg)
negative pressure. 0~ -30 psi(0 ~ -1 inhg)



1820 AUTOMOTIVE VACUUM TEST KIT

全配備真空吸力槍

- This kit includes: Repairable Metal Vacuum Pump, Reservoir Jar, Transfer Lid, Storage Lid, 4 lengths of 1/4" ID Tubing, 1 length of 5/32" ID Tubing, Automotive Adapter Package, Brake Bleeding Adapter Package, Rubber Cup Adapter, Fitted Carrying Case.



1225 FUEL INJECTION TEST SET

汽油噴射壓力錶(全車種)

- 3-1/2" gauge with dual readings of 0-145 psi and 0-1000kpa.
- 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 pressure and 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.
- Complete with instructions manual.

1225J FUEL INJECTION TEST SET-JAPANESE CAR

汽油噴射壓力錶(日規)

- The set designed for most Japanese car.
- Pick up the joints and adapters from #1225.
- Model No.: A, AC, D, F, E, N, O, P, Q, R, RA, RK, IM, MA, MCA,
- All the specification is the same as #1225.

1225E FUEL INJECTION TEST SET-EUROPEAN CAR

汽油噴射壓力錶(歐規)

- The set designed for most European car.
- Pick up the joints and adapters from #1225.
- Model No.: A, AC, D, G, F, Mx2, H, J, HA, I, L, Kx2, KA, KB, KC, B, RK, And IM
- All the specification is the same as #1225.

1256 ENGINE OIL PRESSURE TESTER

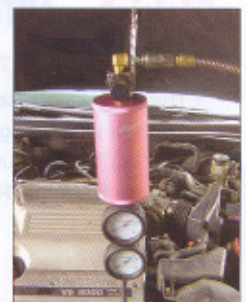
自動變速箱引擎油壓表

- 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"

1340 DOUBLE GAUGE CARBON CLEANER

雙錶點滴式積碳清洗器

- To test the engine pressure first, and adjust the inlet pressure to be the same as engine pressure, and then open the valve to start the clean work.
- Gauge pressure: 0-100psi (0-7kgf/cm²)
- Tank capacity: 20 OZ.





1621 UNIQUE COMPRESSION TESTER KIT

汽缸壓力錶(汽油)

- Easy-reading 2-1/2" diameter rubber covered gauge features color-coded quadruple calibrations with 0-300 psi, 21 kg/cm, 21 bar & 2100 kpa.
- 13" durable steel wire insert hose with 14mm / 18mm adapter.
- 6" heavy-duty stem with universal rubber cone adapter fits all plug holes.



1622 PROFESSIONAL VACUUM & FUEL TESTER

真空吸力錶

- Large 3-1/2" diameter gauge with color-coded easy-reading scales.
- Extra long heavy-duty rubber hose and 14mm / 18mm manifold adapter.
- Checks for worn or defective parts in fuel pumps, vacuum system.



1364 DIESEL ENGINE COMPRESSION TESTER KIT

柴油汽缸壓力錶

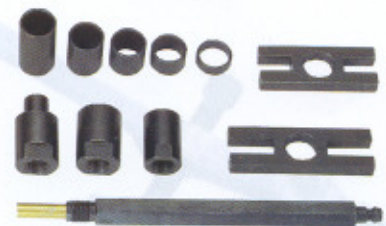
- This is generally the preferred test method and avoids damage to the injector, and fuel system contamination.
- Gauge range: 0-1000 psi/ 0-70 bar.
- Application: BMW, MERCEDES-BENZ, CARBODIES, MITSUBISHI, CITROEN, NISSAN, DACIA, OPEL, DIAHATSU, PEUGEOT, FIAT, RENAULT, FORD, ROVER, HOLDEN, SEAT, ISUZU, TOYOTA, LAND ROVER, VAUXHALL, LEYLAND / DAF, VOLKSWAGEN, MAZDA, VOLV...ETC.



1359 DIESEL ENGINE COMPRESSION ADAPTERS

柴油氣缸壓力錶接頭組

- Use with #1364 for C.V.S. system.
- The kit with fittings which different from #1364.



1626 TIMING LIGHT

正時燈

- Works on all 12 volt gasoline engines.
- High impact ABS housing.
- Detachable heavy duty inductive pick-up clamps and leads for easy operation and replacement.

