

AT0713 Diesel Engine Timing Overhaul Kit - ALFAROMEO,FIAT,FORD,LANCIA, SUZUKI, VAUXHALL/OPEL 1.3 JTD/CDTi/DDiS/TDCi – CHAIN DRIV

Application:

Alfa Romeo: MiTo (08-12)

Citroen: Nemo (10-15)

Fiat: 500 (07-15), Doblo/Cargo (04-10), Fiorino (08-11), Grande Punto (05-11), Idea (04-11), Linea ((07-11), Panda (03-11),Punto (03-11), Punto Evo (09-12), Qubo (08-11), Strada Pickup (06-13)

Ford: Ka (09-14)

Lancia: Musa (04-11), Ypsilon (03-11)

Peugeot: Bipper (10-15)

Suzuki: Ignis (03-09), Splash (08-11), Swift (06-10), Wagon R+ (03-08)

Vauxhall/Opel: Agila (03-08), Agila-B (08-10), Astra-H (04-11), Astra-J (09-12), Combo-C (03-12), Corsa-C (03-07), Corsa-D (06-12), Meriva-A (04-10), Meriva-B (10-11), Tigra-B (04-10) (03-12), Corsa-C (03-07), Corsa-D (06-12), Meriva-A (04-10), Meriva-B (10-11), Tigra-B (04-10)



CN6004 Chain Breaker 420-530 Chains

1. This Chain Breaker is ideal and essential tool for use on 420, 428, 520, 525 and 530 chain.
2. The handle can be folded away for easy storage.



CN6005 Chain Breaker 420-620 Chains

1. This Chain Breaker is equipped with 2 hardened pins in 4.0mm and 4.8mm.
2. It covers the gamut from 420 to 620 chains.
3. The handle can be folded away for easy storage.



AT1031A Camshaft Positioning Tool

1. Adjustable legs allow insertion of pegs into holes in camshaft pulleys
2. Suitable for coarse and fine positioning of camshaft
3. For timing on a variety of engines including Ford Zeta and Zetec



AT1031B Camshaft Sprocket Holding Tool

1. Use with AT1179 to hold valves closed whilst spring is compressed
2. Spark plug adaptor with M14 and M18 threaded
3. Fittings for car and light commercial use
4. Maintains cylinder pressure when air supply is cut
5. Requires a 90-125psi supply



AT1040 Ratchet Action Cam Belt Tension Tool

1. Use on diesel and gasoline engines.
2. Includes standard and metric adaptors for most popular domestic and import cars, trucks, tractors and stationary engines.
3. Features bright, easy-to-read gauge with green protective boot.
4. 0-100 PSI (0-700kPa) Gauge assembly.
5. Contents:Hose assembly.
6. Adaptor(1/8-27 to 1/4-18);Adaptor(1/8-27 to 3/8-18);Adaptor(1/8-27 to 1/4-28BSPT); Adaptor(1/8-27 to M10-1.0);Adaptor(1/8-27 to M12-1.5);Adaptor(1/8-27 to M14-1.5)
7. Street Elbow
8. 2" Large Nipple
9. Coupling

**AT1041 Auxiliary Stretch Belt Removal/Installation Tool**

1. For the recommended removal and installation of elasticated or stretch drive belts
2. Fitted to modern auxiliary drive systems such as the alternator or power steering
3. Prevents damage to the pulley and prolongs the life of the belt
4. Two tools included, one for installation and one for removal
5. Fits crankshaft pulleys

**AT0522 5pcs Auxiliary Belt Tensioner Tool Set - 1.4 / 1.5 / 1.6 / 2.0 / 2.2 Diesel Engines FORD - PSA**

1. **OEM:** 01099. G-01099.PZ4L0-G0109-90
2. **Applications:**
Mazda: 2(DE/DH) 3(BK/BL) 1.4/1.6 TDCI 8V./16V.
Mini: Clubman,Cooper,One, R55/R56 1.6 16V
Toyota: Aygo 1.4 DiD 8V.
Volvo: C30, S40, S80, V50, V70

**AT1094 Camshaft Pulley Holding Tool**

1. Hold the pulleys on Camshafts, Injection Pumps etc rotating when loosening the centre retaining bolt
2. Fit timing pulleys with a hole diameter of 16mm

**CN1079 Diesel Injector Puller (Ford EcoBlue 2.0L)**

Applications include:
 Ford Edge, Focus, Galaxy, S-Max (from 2018);
 Kuga, Mondeo, Ranger (from 2019); Tourneo and
 Transit (from 2016).



AT1360 Crank Seal Remover / Installer Kit 20pc

1. Allows the crank seal to be replaced without dismantling the crank case saving time and costs
2. Avoids scraping the crank surface
3. Universal use covering a wide range of cars with oil seals with 27-58mm in diameter

**AT1361** Master Crank Seal Remover / Installer Kit

1. Quick and easy work for both removal and installation work
2. Ideal for both crankshaft and camshaft seal
3. Includes wide size seal installers
4. Provided with 2 seal removers with different length and angle
5. Fits wide applications
6. Angled blade seal remover is ideal
7. For removing seals in limited space

**AT1090** 3PC Timing Belt Doubl – Pin Wrenches Tools Set For VW&AUD**Applications:**

1. The belt tensioner roller has two holes in which the two pins of the double-pin v159-, AVG 3387 , T10020 are inserted allowing them to turn the belt tensioner roller and to tension the timing belt.
2. Timing belt tensioner pins -OEM Nos T10115, T40011 and Serperitine tension pin-T10060/A

**AT1101** 3/8" DR. Serpentine Belt Tightener 6 Pcs

1. Removing and installing timing belts with spring loaded idler pulleys
2. Long reach design with multi-positional extension
3. Allows access deep into the engine compartment and around obstructions

4. Contents:

- 3/8" Drive Sockets 13, 15, 16, 18mm

**AT1325** 3/8" 1/2" DR. Serpentine Belt Tightener 8 Pcs

1. Release tension on serpentine belt self-adjusting idler pulleys and push or pull to release tension

2. Contents:

- 3/8" Driver Bar for socket and crowfoot wrenches
- 1/2" Extension Bar
- 3/8" Drive Sockets: 15, 16, 18mm
- 3/8" Drive Crowfoot Wrench 13, 14, 15mm



AT1118 Reaction Wrench - VW/Audi

1. For V-ribbed belts
2. When changing the poly-V belt the permanent belt tensioning roller can loosened the reaction wrench
3. **Application:** VW Polo, Golf, Passat,T4 and Audi

**AT1130** 1/2" DR. Alternator Belt Tightener

1. Suitable for use on most alternators.
2. Designed for use with 1/2" drive ratchet wrench.
3. Simplifies a normally awkward task.

**AT1344** Stretchy Belt Installation Tool

1. This tool has been designed specifically for use on the new Stretchy Belt fitted to some of the latest models.
2. This tool fits over the lip of the pulley and a special bolt holds it in place.
3. The belt can then be rotated onto the pulley without twisting the belt.

**AT1344A** Universal Stretch Fit Installation Tool

1. Universal stretch fit installation tool is available separately for applications where a tool must be used.
2. The universal tool is more economical and environmentally friendly than disposable versions.
3. Stretch fit installation kit includes a re-usable universal tool and mounting bolt.

**AT1345** Stretch Belt Service Tool

1. Small size with dual function for quick installation or removal stretch belt from pulley.
2. Strong magnet seat to help user fix this tool on pulley tightly.
3. Investment casting from alloy steel.

**AT1346** Stretch Belt Tool Set 2pc

1. Fitting stretch belts on a variety of modern vehicles
2. Universal stretch fit installation tool is available separately for applications where a tool must be used.
3. The universal tool is more economical and environmentally friendly than disposable versions.
4. Stretch fit installation kit includes a re-usable universal tool and mounting bolt.



AT8700 Ratcheting Serpentine Belt Wrench Set

1. Service approximately 90% of all vehicles equipped with spring-loaded serpentine belt tensioners.
2. Ratcheting action allows quick an easy positioning of wrench driving end for tensioner access from any angle.
3. For use when servicing serpentine drive belts or any belt-driven accessories.
4. Specifically designed to fit into tight areas.
5. Socket size: 8,12,13,14,17,18,19 & 24mm; 3/8", 1/2" & 5/8"

**AT8707 VAG 7-Speed DSG Clutch Chain Tool Kit****Introduction:**

The special design installs and removes the clutch of gearbox.

Applications:

VW: Golf 2004 >, Golf Plus 2005 >

Audi: A3 2004 >, with 7-speed gearbox (code 0 AM),
 Touareg 2003>, with 6-speed gearbox (code 08 D)

**AT1237 Diesel Injector Puller**

1. With M8/M12/M14 adaptors
2. Assists removal of stubborn Bosch and Lucas diesel injectors
3. Saves time and money when injectors are difficult to remove

**AT10039 Diesel Injector Puller Set****Content:**

Connecting thread (injector nozzle):M18*1.5
 Slide hammer:4.8 kg
 Universal joint:M18*1.5
 Pull Spindle-IT-M14*1.5, OT-M16*1.0, OT-M17*1.0,
 OT-M20*1.0, OT-M25*1.0, OT-M27*1.0,
 IT-M16*1.5, IT-M25*0.5, IT-M25*0.75, IT-M27*1.0
 Injector gripper: 12MM, 13.5MM, 16MM, 26MM
 Special bit insert hex 10mm:ø7.6*ø4.8 , ø6.6
 Special socket insert 25mm ,27mm, 29mm ,30mm hex



AT1195 Reaction Wrench - VW/Audi

1. Allows access to difficult pipe connectors and wired sensor units (NOT Lambda)
2. Ideal for loosening of ABS pipes, master cylinder pipes, diesel injection pipes & wired sensors
3. Applications: Peugeot and Citroen with 2.0 engines
4. Sizes: 3/8"DR(10, 11, 12mm)x 6PT x 46mmL, 3/8"DR(14mm)x 6PT x 64mmL , and 1/2"DR(17, 19mm) x 6PT x 78mmL
5. The slot width is: 7.4 mm(10), 8.8 mm(11), 9.1mm(12), 10.8 mm(14), 13.3(17) mm und 14.4(19) mm

**CN1067 Diesel Injector Puller (M9R)**

- Used to remove seized or corroded diesel injectors
1. Install the adapter to the diesel injector.
 2. Screw the support rod into the cylinder head.
 3. Install the support plate, nut/bearing assembly to the adapter & rod.
 4. Tighten the nut to remove the diesel injector from the cylinder head.

**AT1210 Diesel Injector Puller Set 8pc**

1. With sliding hammer 1,70 kg
2. Extra short: only 225 mm
3. Suitable for Mercedes-Benz CDI engines OM 611, 612, 613
4. Overall length 350 mm
5. 2 extract adapters M17X1,0 & M27X1,0

**AT1290 Glow Plug Tool - Mercedes CDI**

1. For unscrewing and disassembly of glow plugs in cylinder head
2. Especially for glow plugs that are stuck because of carbonization remains
3. Cylinder need not to be removed
4. Fits Mercedes 10mm glow plugs
5. **Engine codes:** 611-612-613 etc

**AT1293 BMW Common Rail Injector Remover Kit**

1. Removing BMW Common Rail injectors
2. For M47TU, M57 and M57TU engines
3. Allows the removal of tightly fit injectors nozzles without having to remove the cylinder head
4. **Engines:** BMW Common-Rail M47TU, M57 and M57TU



AT1294 BMW Common Rail injector Removing & Cleaning Kit

1. Removing BMW Common Rail injectors
2. For M47TU, M57 and M57TU engines
3. Allows the removal of tightly fit injectors nozzles
4. Without removing the cylinder head and injectors seat cleaning thanks to the supplied blower.
5. **Engines:** BMW Common Rail M47TU,M87 and M87TU

**AT1399** Bosch Injector Dismantling Tool 1/2"Drive

1. Removing the internal part of Bosch Injectors
2. Size: 1/2"Drive x 10mm Hex Bit (Tamper-proof)

**AT1400** VAG Diesel Injector Puller

1. For quick extraction of diesel injectors
2. Fitted to VW/Audi engines, mainly Pumpe Duse
3. Features 0.7kg slide hammer and four adaptors
4. **Applications:**
 - 1.4SDI/TDI, 1.9D/SDI/TDI/TDI(PD), 2.0TDI (PD),
 - 2.5TDI/TDI(PD), 2.8TDI (PD),Common Rail- 2.7/3.0/4.2TDI

**AT1465** Diesel Injector Puller Set 14pc

1. For the removal of Bosch, Delphi,Denso and Siemens diesel injectors
2. Allows hammer to use in confined areas
3. **Contents:**
 - Slide Hammer,
 - 1/2"Sq Drive Sockets;25, 27, 29, 30mm,
 - Tamper-Proof Key,5 x Adaptor (Bosch,Delphi, Denso,Siemens), Ball Joint

**AT8708** Balancer Shaft Puller -VAG 1.8 /2.0 Chain Drive

- Used for removal of balancer shaft on 4 cylinder injection engine. (1.8 / 2.0 L - chain drive)
- OEM Ref. T10394
- For VAG group
 - VW - Golf 2004 >, Passat 2006 >, Passat CC 2009 >, Tiguan 2008 >, EOS 2006 > ...
 - Audi - A3 2004 >, A4 2008 >, A5 2008 >, TT 2007 > ...
 - Seat - Alhambra 2011 >, Exeo 2009 >, Leon 2006 >, Toledo 2005 >, Altea 2005 >, Altea XL 2007 >., Altea Freetrack 2007 >....



AT1479 Universal Remover For JTD On Diesel Engine

1. Universal injector remover with 4 adjustable feet for JTD diesel engines.
2. Remover for common rail injectors.
3. Applications: FIAT, ALFA, OPEL, SAAB, SUZUKI
4. Engines: JTD

**AT1488 Injector Puller Set - Mercedes CDI Engines**

1. For Mercedes-Benz CDI engines the series OM611, OM612, OM613
2. Overall length with adaptor 500mm, with claw 570mm
3. **Contents:**
 - 1 - Sliding Hammer (1,85 kg, 470 mm long)
 - 1 - Adapter with internal thread for direct mounting on the injector
 - 1 - Sliding Hammer
 - 1 - Injector Claw

**CN1080 Diesel Injector Puller**

1. Suitable for the removal of stubborn Bosch/Delphi diesel injectors.
2. Set includes 6 adaptors for different removal methods.
3. Features a flexible joint adaptor allowing the slide hammer to be used in restricted areas.
4. **Contents:**
 - Connecting thread (injector nozzle): M18*1.5
 - Slide hammer: 4.8 kg
 - Universal joint: M18*1.5
 - Pull Spindle- M14*1.5, M16*1.0, M17*1.0, M20*1.0, M25*1.0, M27*1.0
 - Special bit insert hex 10mm: $\varnothing 7.6 \times \varnothing 4.8$, $\varnothing 6.6$
 - Special socket insert 25mm, 27mm, 29mm, 30mm hex

**CN1081 Slide Hammer 4.8KGS**

Connecting thread: M18*1.5

**AT1504 Diesel Injector Remover For Common Rail- Diesel Engines**

1. Includes:
 - 4.8kg Slide hammer (1pc); M18 x 15 Universal joint (1pc);
 - Special hex bit insert $\frac{1}{2}$ " drive 10mm with bore $\varnothing 7.5$ mm (1pc) & 10mm with bore $\varnothing 6.5$ mm (1pc);
 - M14x1.5 / M16x1.0 / M17x1.0 / M20x1.0 / M25x1.0 / M27x1.0 Injector disassembly adaptor (6pc)
2. Adapters & Applications:
 - M14 x 1.5 - BMW M47, 211 CDI
 - M16 x 1.0 - Toyota 2.2
 - M17 x 1.0 - MB Bosch
 - M20 x 1.0 - Denso
 - M25 x 1.0 - Siemens
 - M27 x 1.0 - Siemens



AT1562 Diesel Injector Removal Set

1. Removing Delphi/Bosch diesel injectors
2. Using a slide hammer with 5/8" UNF thread
3. Suitable for Bosch/Delphi injectors as well as Mercedes-Benz CDI engine OM 611, 612,613...etc.
4. Hammer weight: 1.8kg

**AT10041 Fuel Injector Seal Tool Kit**

1. Used for replacing the fuel injector Teflon seals.
2. **Engines:**
GM 2.0L & 3.6L engines with Hitachi Fuel Injectors (2010-2017), 2.0L, 2.5L, 5.3L & 6.2L engines with Bosch.
3. **Applicable:**
Continental and fuel injectors (2012-2017)
Holden Colorado 7 (2016)
Subaru 2.0L & 2.4L turbo engines (2014-2019)
4. **OEM NO.:**
GM EN-49245/EN-51105
Subaru 18683AA000 / 18683A

**AT1700 VAG Injector Puller - TDi - PD**

1. For VAG models with TDi PD systems
2. Slide hammer with special PD puller
3. Supplied with Vice Clamp
4. Suitable for use with traditional injectors

**AT1730 VW & Audi Injector Removal Kit**

1. Removal and installation of high pressure petrol injectors
2. Use on direct injection VAG engines
3. Included for installation of the injector seals -important to ensure a good seal
4. Equivalent to OEM ref T10133
5. Includes double jaw puller, U shaped puller, slide hammer, tapered tool and sleeve, 2 x seal adaptors and injector installer
6. Prevent damage to the injectors

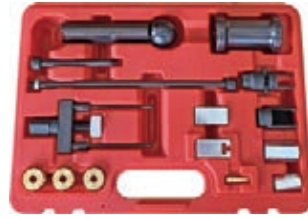
**AT1730A Injector Remover/Installer & Service Tool Set - 18pcs**

1. Injector remover/installer and service kit for petrol injectors found in VAG vehicles covering 1.4, 1.6, 1.8, 2.0, 2.7 V6, 3.0 V6, 3.2 V6, 3.6 V6 and 4.2L V8 FSI engines.
2. Finish: PH Black

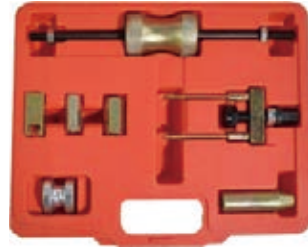


AT1731 Injector Removal Master Kit - VW & Audi

1. As 0XAT1730 but with an additional four adaptors
2. AT1400 for quick extraction of diesel injectors
3. fitted to VW/Audi engines, mainly Pumpe Duse
4. Supplied in storage case
5. Applications:VW/Audi TDI FSI, VW/Audi,Seat, Skoda

**AT1732A** Injector Pump Puller Kit- TDi PD

1. Injector pump puller set for VW/Audi diesel engines.
2. Manufactured from Chrome-Molybdenum Steel for strength.
3. **Contents:**
Slide Hammer, Direct Overhead Grip, Slide Hammer Hand Grip, Offset Adaptor, 22mm Adaptor, Hook Adaptor, 17mm Adaptor.
4. **Applications:**
1.4Di/TDi, 1.9D/SDi/TDi (PD), 4-valves 2.5TDi, 2.5TDi (PD), 2.8TDi (PD), 2.7/3.0TDi (PD).

**AT1737** Diesel Injector Removal Set 4pc - Delphi/Bosch

1. Removing Delphi/Bosch diesel injectors
2. Using a Slide Hammer with 5/8" UNF thread
3. Can use with an air tool
4. Loosen the injectors by vibration
5. Set of 3 adaptors plus a special tool

**AT1756** Injector Removal Tool Set - PSA 2.0 HDI

1. Removing PSA HDI injection nozzles
2. Allows the removal of tightly fit injectors nozzles without removing the cylinder head
3. **Set includes:**
 - Pulling bridge that fits perfectly on PSA cylinder head
 - Special screw system, that allows a fast and easy nozzles removal
 - Blower to clean injectors seats
4. Engines:PSA 2.0 (110, 135 PS)HDI DW10 and DW12 engines
5. Models: Bosch injectors, Siemens injectors

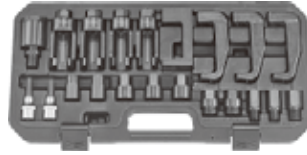


AT1926 Injector Removal and Dismantling Set, 21 PC

Universal tool kit for disassembling the injector and for preparing the removal of the injector.

Contents:

- Special bit insert hex 10mm: $\phi 7.6$, $\phi 6.6$
- Pull Spindle: OT-M14 \times 1.5, OT-M16 \times 1.5,
- IT-M16 \times 1.0, IT-M17 \times 1.0, IT-M20 \times 1.0,
- IT-M25 \times 1.0, IT-M27 \times 1.0, OT-M25 \times 0.5,
- OT-M25 \times 0.75, OT-M27 \times 1
- Universal joint: M18 \times 1.5
- Special socket insert : 25mm ,27mm,29mm ,30mm hex
- Injector gripper: 12mm, 13.5mm, 16mm, 26mm

**AT1441** Diesel Engine Injection Pump Removal & Sprocket Retainer - BMW M47,M57

1. Removes the diesel pump and retains the pump sprocket in-situ so that the sprockets/timing chain configuration remains undisturbed, minimizing the level of engine disassembly

2. Applications:

BMW-318 2.0 E46, 320 2.0 d/td E46, 330 3.0 E46, 525 3.0 E60/61,525 3.0 E39, 530 3.0 E39, 530 3.0 E60/61,535 3.0 E60/61, 730 3.0 E38, X5 3.0 E53

**AT8703** Common Rail Injector Inside Screw Removal Tool Set

1. Size: 1/2" Dr.
2. Feature: To loosen and remove the injectors inside screw .
3. Suitable for Bosch, Denso, Delphi, Siemens Injectors

**AT1033** 1/2" DR. Diesel Injector Socket Set

1. Chrome Molybdenum, open-sided
2. 1/2" drive sockets for injector removal and installation
3. Size & Applications:
 - 110 x 22mm Audi/BMW/Mercedes/Rover/Seat/Vauxhall/Volvo/VW
 - 80 x 27mm BMW/Fiat/Ford/Peugeot
 - 83 x 28mm VM 2.4D/2.5D Engined Alfa Romeo/Chrysler/Land Rover
 - 80 x 22mm Nissan/VW
 - 90 x 21mm Ford Duratorq
 - 80 x 28mm LGV - Scania/Volvo



AT1018 Diesel Injector Line Wrench Set 1/2" Drive

1. Diesel injector socket wrench set in 1/2" drive
2. For dismantling injector lines on diesel engines
3. Fitted to BMW/VAG/Mercedes Benz
4. Sizes: 12 / 14 / 16 / 17 / 18 / 19mm

**CN0074 Diesel Filter/Sensor Wrench Set**

1. Service the diesel filter/sensor on Mazda SKYACTIV-D2.2 (SH-VPTS&SH-VPTR) engine
2. Applicable:
 - 2.2L diesel CX-5 CX-8 Mazda 6 (Atenza), Mazda 8 (Axela)

**CN1061 SPCS Injection Socket Set**

1. 7MM - EDC pump cover socket from 1996 to 2003.
2. 12.6MM - Bosch VE Diesel pump socket used on VAG systems Bosch Distributor injection pumps each with 1/2" square drive.
3. Triangular nut to loosen cover screw.
4. Triangular not to loosen cover from the dial gauge.
5. Two lock nuts for the pressure control valve to VP37 pumps.

**CN0046 Engine Timing Tool – BMW Twin Cam****Introduction:**

For using on the twin cam engine which both camshafts have to be locked in place whilst servicing the camshaft and replacement of the cam belt.

A reduced kit offering the twin camshaft engine timing components without the Vanos locking tool.

Application:

BMW: 316i, 318i, 318i S16v (S30), 318i S | Coupe (E36), 318Ti Compact (E36), 320i 24v (E36), 323i Compact (E36), 325i 24v (E36), 328i (E36), 518i, 520i 24v (E34 | E39), 523i, 525i 24v (E34 | E39), 528i (E39), 728i (E38), Z3 1.9i | 2.8i

**CN1044 Timing Tool Kit - BMW Mini N13/N18****Applicable:****BMW N13, N18 engine**

Designed for fixing the camshaft in TDC position
To dismantle and assemble intake and exhaust camshaft

Engine no.: 117440, 119590, 496709, 119340



CN6007 BMW (M60/M62) Camshaft Alignment Tool**Introduction:**

Camshaft locking tool for BMW: 3.0, 3.5, 4.0, 4.4,
4.6 ~ 8 cylinder DOHC V32 petrol engines
Crankshaft locking tool for BMW: 3.0, 3.5, 4.0, 4.4,
4.6 ~ 8 cylinder DOHC V32 petrol engines.

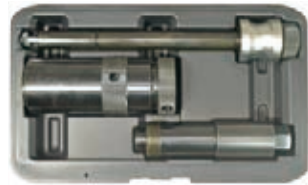
Application:

BMW: 530i LCI (E34), 535i (E39), 535i LCI (E39), 730i (E32),
730iL LCI (E32), 730i (E38), 730iL (E38), 540i LCI (E34),
740i LCI (E32), 740iL LCI (E32), 740i (E38), 740i A (E38),
740iL (E38), 840Ci (E31), 735i (E38), 735iL (E38), 540i (E39), 540i (E39)

Engine Code: M60 B30, M60 B40, M62 B35, M62 B44, M62 B46, M62TU B35, M62TU B44

**CN1045 Fuel Pump Sprocket Holding Kit Vauxhall 1.6 CDTi****Features and Benefits:**

1. The fuel pump on the 1.6 CDTi engines from Vauxhall is mounted on the rear of the engine and when removal is required for service or repair the pump sprocket must be held in place or the drive chain will drop into the engine requiring an engine rebuild.
2. This tool has been specifically designed to allow the pump sprocket to be held and the pump pushed out with the minimum of fuss and work.
3. **Applications:** Vauxhall Astra (2013 - 2018), GTC (2015 - 2018), Insignia (2015 - 2018), Meriva (2013 - 2017), Mokka (2014 - 2018), Zafira (2013 - 2018).
4. **Engine Applications:** 1.6 CDTi diesel, LVK/B16DTR, LVL/B16DTH, LWQ/B16DTC, LWQ/B16DTE, LWV/B16DTU.
5. Equivalent to OEM EN-50885.
6. Includes slide hammer to extract the sprocket blanking plate. New sprocket blanking plate will be required - OEM part number 5557422.

**AT1310 Diesel Injector Socket 22mm 1/2" Drive**

1. Use on Nissan and Volkswagen
2. Outside diameter 32mm
3. Size: 1/2" Drive x 22mm x 78mm long
4. Bi-Hex format

**AT1598 Diesel Injector/ Lambda Socket Set 14pc**

1. A comprehensive range of specialist window sockets
2. For automotive applications including the installation, removal of lambda sensors and diesel injectors
3. Supplied in Single Hex and Bi Hex formats
17/19/21/22/27/28/30mm
4. Bi-Hex in various lengths: 20/22mm Single Hex 22mm x 50mm in axial drive



AT1981 Injector Removal Forks & Adapter Set

1. Adaptors to attach to the external thread of the injectors
2. Forks to attach to the body of the injector
3. Sockets to allow the injector to be pulled from different locations

4. Applications include:

Citroen C5 / Jumpy / Xsara, Fiat Ducato JTD,
Peugeot 206 / 307 / 406 / Boxer (2.0 / 2.2 / 2.3 HDI), Mercedes-Benz CDI
(exc. A-Class (Sprinter / Vito Opel Renault F9Q)

**AT1755** 33 Teeth Diesel Fuel Injection Socket - Benz

1. A special ½" drive socket with 33 tooth
2. For removing and mounting the pressure valve holder on the injection pump
3. For Mercedes-Benz diesel passenger cars:
601, 602, 603, 605,606, 615, 616, 617

**AT1359** 6 Piece Diesel Injector Seat Cutter Kit

1. Clean/decarbonise injector seats
2. Centring Pilot: 7mm
3. Cleaner Sizes: 15mm flat cleaner for Universal applications;
17mm flat cleaner for BMW / PSA / Renault;
19mm angled cleaner for Fiat / Iveco
19mm flat cleaner for Mercedes CRD;
21mm angled cleaner for Fiat / Iveco

**AT0303A** BMW Flywheel Holder**Introduction:**

Special design to fix flywheel when replacing timing chain

To release & tighten the central bolts on vibration damper

Application:**BMW :**

47T2/M47TU/M57T2/M57TU/M67/N45/N45T/N46/N46T/N51/N52/N53/N54/W17.

**AT1567** BMW Valve Pressure Spring Installer/Remover(N20, N26, N55)**Introduction:**

Special design removes and installs the pressure spring on intermediate lever.

Application:

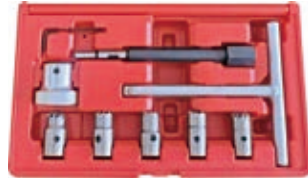
BMW: N20, N26, N55

BM number: 117110



AT1569 Crankshaft Locking Tool - BMW N20/N26/N53/N54/N55

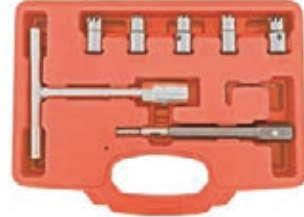
1. For vehicles with automatic transmission
2. For locking the crankshaft with the starter ring gear
3. For loosening and tightening the crankshaft bolt
4. For timing chain replacement or engine repair
5. For engine codes N20B16A, N20B20, N20B20A, N20B20B, N26B20, N26B20A, N53B25A, N53B30A, N54B30A, N54B30AA, N55B30A, N55B30M0

**AT1571 Injection Pump Extractor Tool Kit For BMW****Introduction:**

This tool requires when removing the injection pump. To lock the injection pump sprocket in position and to press out the injection pump shaft.

Application:

BMW M47, M47TU, M57, M57TU engines

**AT1572 Diesel Injector Seat Cleaner Set 8pc**

1. Clean injector seats when changing or reconditioning diesel injectors
2. With centering pilot and T-Handle
3. Avoid blow-back due to poorly seated injectors
4. Cleaner Sizes:
 - 15mm flat cleaner for Universal applications
 - 17mm flat cleaner for BMW /PSA / Renault
 - 19mm angled cleaner for Fiat / Iveco
 - 19mm flat cleaner for Mercedes CRD
 - 21mm angled cleaner for Fiat / Iveco

**AT1610 Injector Seat Cleaning Set**

1. For 2.0 TDI engine from VAG group
2. Clean the contact surface between the injector and engine head when making the replacement.
3. Include cutter holder can made cutter straight and correct to attach
3. Insert the extension bar into the cutter for deep hole cleaning

**AT1697 5 Piece Diesel Injector Seat Cutter Kit**

1. Set of four diesel injector seat cleaners and centering pilot
2. Used to clean/decarbonise injector seats when changing injectors
3. Centering Pilot: 7mm
4. Reamer Sizes & Applications:
 - 15mm; Various Vehicles,
 - 17mm; Delphi/Bosch(BMW, PSA, Ford),
 - 17mm; Bosch (MercedesCRD),
 - 17mm; Angled(Fiat, Iveco)



AT1257 Glow Plug Puller & Ream Kit with 3pc Glow/Spark Sockets

1. Removal of stubborn glow plugs on Mercedes vehicles with melted electrodes
2. Enables extraction from plug aperture
3. Includes reamers 6mm & 7.5mm for decarbonising the glow plug aperture
4. 3pc of plug socket: 8 / 10 / 12mm

**AT8705 BMW Fuel Injector Install & Removal Tool****Introduction:**

Special design installs and removes the injector in N55 engine

In order to remove BMW N55 fuel injector from the cylinder head must be utilized. Failure to use the special tool will result in damage to the injector.

Application:

BMW: N55 engine

**AT1532 Injector Copper Sealing Ring Kit 150pc**

1. Have 15 different size combinations
2. Suitable for popular nozzle of injector system
3. **Contents:** 10pc of each following sizes
 13.85x7.3x1.4mm; 14.6x7.5x1.3mm;
 14.6x7.5x3mm; 15x7x2mm; 15x7.5x1mm;
 15x7.5x1.5mm; 15x7.5x2mm;
 15x7.5x2.5mm; 15x17.5x3mm; 15.5x7.5x2mm;
 16x7.5x1.5mm; 16x7.5x1.7mm; 16x7.5x2mm; 16.4x7.4x2mm; 20x9.4x0.9mm

**AT7028 6 PCS Deluxe Light Set**

Kit packed in a deluxe blow mold case.

Quick, efficient and economic way to find faults find on the following electronic fuel (EFI) system:

1. 3405-BOSCH PFI
2. 3410-GM TBI
3. 3411-FORD TBI
4. 3412-GM PFI
5. 3413-GEO TBI
6. 3414-GM SCPI.

**AT7031 Noid Light and IAC Signal Test Light Kit 11pc**

Quick and easily test electronic fuel injection systems.

1. 8 noid lights for testing GM PFI, FORD TBI, GEO TBI, BOSCH PFI, GM TBI, GM SCPI, GM MULTEC 2, BOSCH 2
2. Two IAC signal test lights: One for GM1982 or newer GM TBI and PFI fuel injection system, and one for GM Model 1987 or newer GM Model 700 TBI and PFI fuel injection system.
3. One fiber optical Noid Lite extension included.



AT1388 Diesel Injection & HP Pump Remover/Sprocket Retainer - for M47R Land Rover, Rover/MG

1. Removes the diesel pump and retains the pump sprocket in situ so that the sprockets/timing chain configuration remains undisturbed, minimizing the level of engine disassembly.
2. Essential for transversely fitted engines.
3. For engine timing use Timing Tool Kit Model No. 0XAT1515
4. Applications: Land Rover, Freelander TD4, Rover 75 CDT/CDTi, MG ZT/T.



AT1163 Front Crankshaft Cover Alignment Tool

1. Ensures the correct alignment of the front lower timing case cover on BMW B37 & B38 engines.
2. It also helps prevent damage to the new seal during fitting.
3. **Applications include:**
BMW 1 Series, 2 Series, 3 Series, 4 Series, X1, X2, Mini Clubman, Hatch, Countryman.
4. **Engine codes:** B37C, B37D, B38A & B38B.
5. OEM No. 2 357 900.



AT1023 Water Pump Tools

1. Adjusts timing belt tension on GM (Vauxhall/Opel) and Daewoo OHC engines
2. Rotating the water pump on eccentric mounting
3. Use with ½" ratchet
4. **AT1023-01** : 41mm
AT1023-02 : 46mm



CN3013 Water Pump Reaction Wrench (Opel / Vauxhall / GM) 1/2"Dr-41mm

1. Suitable for Opel/ Vauxhall/ GM OHC-engines
e.g. 1.2, 1.3, 1.4, 1.6L
2. Used for turning the water pump, so as to enable the driving belt to be tensioned.
3. Safe locking/ No damage of the Visco-clutch
4. Works on 1.6L engines in 2004-current Chevrolet Aveo (excluding 2009 with variable timing engine and 1999–2000 Daewoo Lanos).
Also works on the Chevrolet Optra in market outside the US.



CN3014 Water Pump Reaction Wrench (Opel / Vauxhall / GM) 1/2"Dr-46mm

1. Suitable for Opel/ Vauxhall/ GM OHC-engines
e.g. 1.2, 1.3, 1.4, 1.6L
2. Used for turning the water pump, so as to enable the driving belt to be tensioned.
3. Safe locking/ No damage of the Visco-clutch
4. Works on 1.6L engines in 2004-current Chevrolet Aveo (excluding 2009 with variable timing engine and 1999–2000 Daewoo Lanos).
Also works on the Chevrolet Optra in market outside the US.



AT1212 Engine Injector Remover Kit - Kia/Hyundai

1. Remove injector from Korean vehicles
2. **Applications:**
 - **Hyundai:** starex, lavita, matrix, trajet, terracan, santa fe(sm), libero, avante xd, grandeur xg getz, tucson, nf sonata, 06' accent.
 - **Kia:** carnival, rio, carens,cerato, optima, picanto, sorento, sportage, grand carniva

**AT1735 Water Pump Holding Tool Vauxhall**

1. Removing and refitting the water pump
2. Without disturbing the Timing Chain on the 2.2 16v engine
3. Fitted to Astra-G, Vectra-B/C, Zafira-A, Signum and VX220
4. OEM Ref KM-J 43651

**AT4202 Volvo Strut Nut Socket Set**

1. Used for removing and installing the top shock retaining nut on S40, S60, S70, S80, S90 models.
2. Includes holding socket and double-D axle center socket.

**AT8706 Fuel Pump Locking Tool - GM/ Renault/ Nissan**

1. Designed to lock the fuel pump and pulley in its timed position to allow pulley and or pump removal but in order to use it you may need to remove the belt.
2. Applications: Vauxhall/ Opel/ Renault and Nissan
3. **Engine codes include:**
F8Q 600 1,9D, F8Q 606 , 1.9D, F9Q 760 1.9D CR, F9Q 762 1.9D CR, F9Q 770 1.9D, F9Q 772 1.9D CR, F9Q 774, 1.9D CR
4. GM/Vauxhall OEM KM-6239

**AT1092 Engine Timing Tool For Fiat 1.2 16V****Introduction:**

For using the latest 1.2 16v Fiat engine, including Bravo/ Brava/Punto/Stilo with engine code 176 B9 000, 182B2.000 & 188 A5.000.

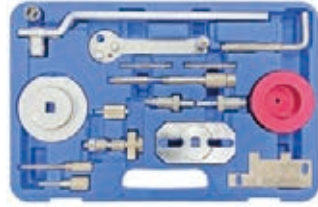
Application:

To determine the specified piston position and to prevent the camshaft from timing or holding in the position when changing the timing belt or during other engine repair.



AT1547**Diesel Engine Setting/Locking Set For
Fiat/Iveco/Citroen/Peugeot 2.2d, 2.3d Belt And Chain Drive****Introduction:**

Use for the timing 2.2D/3.0D belt and the chain drive engine, including later chain in the head version and usually found in the light commercial vehicle. Feature a water sensor installation socket, crankshaft pulley turning tool, timing cover centering plate, oil pump setting plate as well as camshaft and crankshaft locking tools. The engine is found in Ford Transit.

**Application:****Model:**

Citroen: Relay/Jumper III (06-12)

Fiat: Ducato (02-13)

Iveco: Daily (03-10), Daily/Ecodaily (09-11)

Peugeot: Boxer III (06-12)

Engine Code:

2.2D HDi Chain: (P22DTE) 4HM, (P22DTE) 4HU, (P22DTE) 4HV

2.3D Belt: F1AE0481A, F1AE0481B, F1AE0481C, F1AE0481D, F1AE0481N, F1AE0481F, F1AE0481FA, F1AE0481G, F1AE0481H, F1AE0481HA, F1AE0481UA, F1AE0481VA, F1AE3481E, F1AE0481R, F1AE0481GA

3.0D Chain: F1CE0481A, F1CE0481B, F1CE0481D, F1CE0481F, F1CE0481H, F1CE3481M, F1CE3481E, F1CE3481N

3.0D HDi Chain: F30DTE (F1CE0481D), F30DTE (F1CE3481DM), F30DTE (F1CE3481N), F1CE3481E

AT1131**Viscous Fan Holding Tool**

1. Prevents fan from rotating
2. Without risk of damaging fan (or fingers), when removing retaining nut

**AT1155****Ford Fan Clutch Wrench Set 2pcs**

1. Remove and replace the thermostatic fan
2. Assembly on most of Ford engines from 1984 to current
3. Use with 1/2" drive tools and torque wrench
4. Wrench Openings: - Long: 36mm (1.417")
- Short: 58mm (2.283")

**AT1580****Viscous Fan Hub Spanner - 32mm & 36mm**

1. Suitable for removing thermo-viscous fan hubs
2. Fitted to BMW, Ford and Vauxhall/Opel vehicles



AT3401 Land Rover Viscous Fan Wrench**Introduction:**

Length: 650 mm

Replace fan clutch assembly in Land Rover vehicle. Long and thin design is for easier working in the narrow space.

Application:

Discovery 3, Discovery 4, New Range Rover, Range Rover Sport

**AT1020 Wrinkle Band Compressor**

1. Wrinkled spring steel compression band reduces surface contact friction and prevents tool from slipping into the cylinder bore
2. Cam action compression allows one time setting of piston diameter enabling fast insertion of all piston assemblies
3. Depth: 37mm
4. Capacity: \varnothing 76-127mm

**AT1064 Cylinder Head Stands**

1. A pair of support stands which locate into cylinder head via stud holes
2. Provides the clearance between head and workbench required when reaming valve guides
3. Pin Diameter: 16mm

**AT1089 BMW Engine Cylinder Head Bolt Tool - TORX E12, 1/2" Drive**

1. Special TORX socket for cylinder head screws on late BMW 4-valve models
2. Applications: M42, M43, M44, M50, M52, M60, M62

**AT1005 Professional Cylinder Head Service Kit 20pc**

1. Complete upper engine service kit
2. Enables in situ removal and replacement of valve springs and guides/bushings
3. Suitable for 8, 16 and 24 valve engines.
4. Set Includes:
 - Valve Stem Seal Replacement Kit (5, 6, 7, 8, 10, 11.5mm)
 - Rigid and Flexible Air/Cylinder Hoses
 - Universal Valve Spring Compressor
 - Valve Collet Replacement Tool
 - Straight Valve Stem Seal Pliers
 - Angled Valve Stem Seal Pliers



AT1489 Engine Cylinder Component Organizer

1. A useful organizer for use when stripping engines
2. To ensure all component stay in the order
3. Accepted camshafts, valves, springs and components related to the engine

**CN4037 Ø50-175mm Triple Leg Cylinder Hone 75mm Medium Stones**

1. For removal of heat glaze and carbon deposits on cylinder walls.
2. Fitted with 75mm, medium grade cutting stones and suitable for cylinders up to Ø175mm.
3. Range collar adjusts arm travel between Ø50mm and Ø100mm or Ø100mm and Ø175mm.
4. Adjustable spring tension gives finish control.

**AT1136 Professional Cylinder Head Service Kit**

1. Complete upper engine service kit enables in suit removal and replacement of valve springs and guides/bushings.
2. Suitable for 8, 16 and 24 valve engines.
3. Supplied in carry-case.

**AT1175 Cylinder Head Leakage Tester**

1. Set for testing leaks in head gasket without removing engine cylinder head by testing presence of CO₂ in cooling system
2. Includes US-made CO₂ tester fluid, along with MSDS
3. Tester fluid changes from blue to green or yellow if CO₂ is present in coolant
4. Provided with a rubber adapter for fitting most radiator filler necks
5. Rubber bulb helps draw vapor from radiator into test chambers
6. Tester fluid with MSDS and SVHC compliance

**AT1593 Cylinder Head Socket Set 5pc 3/4" Drive**

1. Removing the cylinder head from engines
2. Impact quality, chrome-molybdenum steel
3. **Contents:**

- AT1593-01 Star Socket E18
- AT1593-02 Star Socket E20
- AT1593-03 Star Socket E24
- AT1593-04 12pt Socket 17mm
- AT1593-05 12pt Socket 19mm



AT1062 Hose Clamp Removal Tool Set 7pc

1. Features heavy-duty construction with ratchet locking mechanism on most pliers
2. **Contents:**
Remote Action Hose Clip Tool, Hose Removal Pliers Swivel Jaw Spring Wire Clip Pliers, Swivel Jaw Band Clip Pliers, Angled Band Clip Pliers, Flat Band Clip Pliers, Clic-RR Type Pliers

**AT1129 CLIC-R Collar Hose Clamp Pliers**

1. Releasing and refitting the new style CLIC & CLIC-R reusable hose clamp clips
2. Pliers are made from drop forged alloy steel with spring actuated joint, insulated handles
3. Length: 7" (180mm)

**AT1109 Flexible Hose Clamp Pliers**

1. For the removal and replacement of metal or plastic spring-loaded self-tightening hose clamps
2. Flexible long reach mechanism allows the pliers to release and lock hose clamps in the opened position
3. Fitted with 630mm long cable
4. For clamp diameters from 18mm to 50mm (approx)

**AT1109A Flexible Spring Hose Clip Crimper 3-in-1**

1. 3-in-1 jaw operation of self-gripping spring band and spring hose clamps.
2. Flexible cable (550 mm) enables application in areas with restricted access where the application of usual hose clamp pliers is not possible.
3. Easy ratchet trigger mechanism on the handle makes it easy to apply right amount of pressure.
4. Capacity: 10~65mm

**AT1108-01 Flexible Hose Clamp Pliers - VW/Audi 2.0 TDI Engine**

1. Special Jaw design for VW/Audi 2.0 TDI engine lower water hose clamp
2. Max clamp capacity: 55
3. 630mm flexible shaft enables user to reach, remove and lock clamp into the open position



AT1108-02 Flexible Hose Clamp Pliers - Truck

1. For the removal and replacement of metal or plastic spring-loaded self-tightening hose clamps
2. Flexible long reach mechanism allows the pliers to release and lock hose clamps in the opened position
3. Fitted with 630mm long cable
4. For clamp diameters up to 65mm

**AT1108-04 CLIC-R Collar Flexible Hose Clamp Pliers**

1. Long reach tool designed to get to awkwardly positioned CLIC & CLIC-R tag type hose clips
2. Flexible cable and compact head help operation in confined spaces
3. Features ratchet action and vinyl dipped handles

**AT2304 Bottom Connector Pliers w/ Flexible Cable**

1. This pliers allows a quick disassembly of 2 bottom connectors mainly used for fuel systems, gearbox, brake fluid, urea fluid liquid, power steering, air system and ac systems.
2. Cable length: 650mm
3. Jaw open range: 3mm - 32mm
4. Changeable cable structure

**AT2307 Changeable Hose Clamp Pliers**

1. Patented design cable changeable structure for easily & quickly changing cable for different hose clamp.
2. 670mm length cable for standard hose clamp, opening range from 3mm - 52mm.

**AT2308 Changeable Hose Clamp Pliers**

- Patented design cable changeable structure for easily & quickly changing cable for different hose clamp .
- 1pc 670mm length cable for standard hose clamp, opening range from 3mm to 52mm.
 - 1pc 635mm length cable for clip – r type hose clamp, opening range from 0mm to 24mm.
 - 1pc 670mm length patent design dual side clamp for spring type & truck hose clamp, opening range from 0mm to 75mm.



AT8149 Heavy-Duty Large Hose Clamp Pliers

1. Use on most of vehicles for the removal and installation of flat-type hose clamps
2. Features a fine-tooth locking ratchet to latch pliers in position
3. Large size is perfect for heavy-duty jobs

**AT8150 Hose Clip Pliers**

1. Suitable for removal of tag and wire type hose clips
2. Features ratchet locking mechanism for easy use on lower radiator hoses
3. Swivel jaws allow use where access is confined
4. PVC dipped handles for improved grip and comfort

**AT1719 Fuel Line Pliers VAG**

1. Specially introduced fuel line pliers use on three ended hose clips
2. Applications: Audi, Seat, Skoda and VW
3. For use on 'tag style' hose clips
4. Designed for Audi, Seat, Skoda and Volkswagen
5. Spring loaded
6. Wide jaw opening
7. Great time saver

**AT1168 Flexible Hose Clip Nut Driver**

1. 150mm Flexible shaft driver with 7mm socket
2. Comfortable, high-grip, textured handle
3. Overall length: 260mm
4. AT1168-01 Size: 5mm
AT1168-02 Size: 6mm
AT1168-03 Size: 7mm

**AT1171 Flexible Hose Clip Nut Driver Set 4pc - 5, 6 & 7mm**

1. 150mm Flexible shaft driver with 5/6/7mm socket
2. Comfortable, high-grip, textured handle
3. Overall length: 260mm

**AT1173 Ling Reach Flexible Hose Clip Nut Driver Set 4pc - 5, 6 & 7mm**

1. 500mm Flexible shaft driver with 5/6/7mm socket
2. Comfortable, high-grip, textured handle
3. Overall length: 625mm



AT8190 Screw Type Hose Clamp

1. Smooth clamping adjusts minimize chance of damage to the hose
2. **AT8190-01** - Capacity: \varnothing 27mm, Length: 65mm
For air, coolant and fuel hoses to 27mm max diameter
3. **AT8190-02** - Capacity: \varnothing 45mm, Length: 85mm
For air, coolant and fuel hoses to 45mm max diameter

**AT2301** Multi-Direction Hose Clamp Plier

1. Wide application plier, available to work on radiator clamp, fuel line clamp and tank ventilation line clamp, and wheel bearing clip.
2. Special intersected slots design solves limited space problem.
3. 16mm-wide head more effectively grips hose clamp than general pliers with 9mm head.
4. Patent pending.

**AT8139** Extra-Long Hose Clamp

1. Designed for clamping flexible hoses, features rounded clamp section to prevent damage to internal hose reinforcement.
2. Allows use in deep confined spaces and large adjusting knob enables easy operation.
3. Suitable for brake, coolant, fuel and vacuum hoses.
4. Max. Hose Diameter: 28mm
5. Length: 310mm

**AT1075** Ratched Hose Pinch-Off Pliers, 3pcs-Swivel Jaws

1. 3 sizes of 8", 10" & 12"
2. Pinch off flow through vacuum, fuel, coolant lines, etc
3. Automatic ratchet mechanism holds pivoting jaws tightly in place
4. Heavy duty swivel jaws pivot to assure parallel pinching

**AT2037** Hose Pinch Tool Kit 2pc

1. Alloy body with steel clamp arm.
2. Compact design allows use in confined spaces.
3. Rounded jaw edges prevent damage to internal hose reinforcement.
4. Suitable for use on fuel, vacuum and brake hoses.

**AT1029** Pulley Holding/Locking Tool

1. Locking auxiliary drive belt pulleys as found on air conditioning pumps
2. Use in conjunction with spanner or ratchet wrench
3. Use to rotate camshaft pulleys for timing purposes and also for removing oil/fuel filters



AT1828 Locking Hose Pinch-off Plier

1. Eliminates the draining of cooling system when installing thermostats and water pumps on pressurized cooling systems.
2. Swivel jaws for level clamping.
3. Positive clamping for tight seals on large radiator and other hoses.
4. Length: 9 1/2"

**AT1127 Composite Hose Pinch Tools**

1. Manufactured from heat resistant nylon.
2. Rounded jaw edges prevent damage to internal hose reinforcement.
3. Features locking mechanism for simple one-handed use.
4. Suitable for brake, coolant, fuel & vacuum hoses.
5. Size: 160mm (S), 185mm (M), 255mm (L)
6. Capacity: 1/4~3/4(S), 1/4~1 3/4(M), 3/4~2 1/4(L)



Item No.	Description	Size	Capacity
AT1127-01	Small for Brake & Fuel Hoses	160 mm	1/4~3/4
AT1127-02	Medium for Heater Hoses	185 mm	1/4~1 3/4
AT1127-03	Large for Radiator Hoses	255 mm	3/4~2 1/4

AT1127A Angled Composite Hose Pinch Tools

1. Manufactured from heat resistant nylon.
2. Rounded jaw edges prevent damage to internal hose reinforcement.
3. Features locking mechanism for simple one-handed use.
4. Suitable for brake, coolant, fuel & vacuum hoses.



Item No.	Description
AT1127A-01	Small for Brake & Fuel Hoses
AT1127A-02	Medium for Heater Hoses
AT1127A-03	Large for Radiator Hoses

AT1087 Fuel Line Disconnect Set 3pc

1. For breaking into fuel lines and hoses fitted with quick release coupling's
2. Applications:
Ford / Vauxhall/ Opel/ Renault/ Fiat / Chrysler/ Chevrolet
3. 3 Sizes in set:
 - 120 x 8mm twin peg pliers with red handles for use on Chrysler / Ford / and Renault petrol engines
 - 120 x 8mm diameter pliers with green handles for use on GM (vauxhall / Opel) fuel systems
 - 120 x 10mm diameter pliers with blue handles for use on Chrysler / Ford and Renault diesel fuel systems



AT2039 Hose Pinch Tool - Spring Type

1. Completely or partially seals flexible brake, fuel, and vacuum lines.
2. Smooth rounded jaw edges prevent damage to internal hose reinforcement.
3. Quick and simple to use.
4. All steel construction with sliding lock collar.

**AT2040 Hose Pinch Tool - Bar Type**

1. Suited for both brake and fuel lines.
2. Metal construction with chromed finish.
3. Simple, yet effective, pinch action with rounded clamp section to prevent damage to hose lining.

**AT1219 Alternator Tool Set 13pcs**

Alternator pulley tool kit for VW,Audi,Seat, Mercedes, Renault,BMW,Ford,Fiat etc.

Set includes :

8mm & 10mm Hex,Star T50 & T40
M10 Spline X 1/2"D and T50 Star X 1/2"D for
Bosch Alternators with free wheel pulleys
1/2"D to Hex Adaptor, 4 X Pulley Connectors.

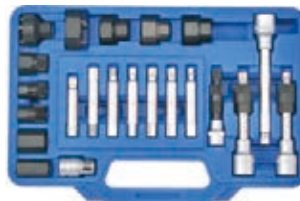
**AT7107 Alternator Tool Kit 6pc**

1. Permits easy removal of freewheel pulley from alternator either on or off the vehicle.
2. Insert allows alternator shaft to be held while the pulley retainer is removed with the key nut.
3. **Contents:**

Spline Adaptors: 22mm x 33T; Hex Adaptor: 22 x 28mm,
Socket Bits: 1/2"Sq Drive; M10 x 140mm, M10 x 100mm,
H10 Drive; T50 x 65mm, M10 x 65mm

**AT7111 Alternator Tool Kit 22pc**

1. A comprehensive range of Combination Sockets required on the Free Wheel Pulley when removing or replacing the alternator
2. Includes tools for Bosch, Marelli and Valeo alternators and complete with new tools required for the latest Renault and Fiat alternators
3. **Applications:**
Alfa Romeo, Audi, BMW, Citroen, Fiat, Mercedes, Mitsubishi, Renault, Seat, Skoda, Vauxhall/Opel, Volvo, VW

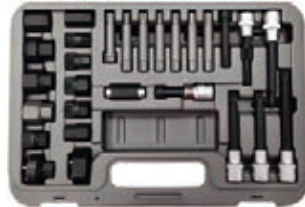


AT7111A 24pc Alternator Tool Set

1. A comprehensive range of Combination Sockets required on the Free Wheel Pulley when removing or replacing the alternator
2. **Applications:**
Alfa Romeo, Audi, BMW, Citroen, Fiat, Mercedes, Mitsubishi, Renault, Seat, Skoda, Vauxhall/Opel, Volvo, VW

**AT7111B 30pcs Alternator Repair Tool**

1. Removes and installs press-on-type belt drive accessory pulleys.
2. Works with hand tools or an impact gun.
3. Interchangeable components to work on VW, Audi, Seat, Mercedes-Benz, Renault, BMW, Ford, Renault, Fiat...etc.

**4. Contents:**

3-Combined Socket T50 x 113mmL Socket, M10 x 113mmL Socket, 3/8"DR. x M10 x 80mmL W/ Ø14 x 31T.

5-Hex Socket 22 x 28mm, 19 x 28mm, 21 x 28mm, 15 x 28, 17 x 21mm.

4-Bit Socket M10 x 140mmL, T50 x 140mmL, M10 x 200mmL, T50 x 200mmL.

3-Teeth Socket 15mm Hex x 33 teeth, 22mm Hex x 33 teeth, 15mm Hex x 33 teeth.

1-1/2"DR. SQ.(F) x 10mm Hex.(F) Bits Adaptor.

1-3/8"DR. SQ.(F) x 10mm Hex.(F) Bits Adaptor.

2-22mm Hex Socket, 17mm Hex Socket.

1-35mm Round Socket W/4 pins.

1-38mm Hex W/3Pins.

1-H10 x FM10 X 75mmL.

2-M10 x H12 x 64mmL bit, T50 x H12 x 64mmL bit .

6-10mm Hex Shank x 75mmL CR-V bit: T40, T50, M8, M10, H8, H10.

AT7113 Alternator Tool Kit 18pc**Contents:**

Combined Socket Bits: 1/2"Drive;

Star - T50-33Tx113mm,

Spline - M10-33T x113mm,

Spline - M10-33T x80mm

Spline Adaptors: 15mmx33T, 22mmx33T

Hex Adaptor: 22x28mm

Round Adaptor: 35mm-4 pin

Bits: 10mm Hex Drive; Star - T40/T50, Spline - M8/M10, Hex - H8/H10

Adaptor: 1/2"/Drivex10mm Hex



AT7109 Alternator Tool ½" Drive - M10 Spline

1. Use on Bosch Alternators with free wheel pulleys
2. For use Audi, BMW, Ford, Skoda, Mercedes and VW
3. Ideal for dismantling and assembling the free wheel pulley whilst changing the alternator or pulley
4. The pulley shaft is held in place with the M10 spline bit on ½" drive socket whilst the nut is undone using the 33 teeth
5. Union Nut with 19mm spanner

**AT7110** Alternator Tool ½" Drive - T50 Star

1. Ideal tool for assembling and dismantling the free wheel pulley whilst changing the alternator or pulley on Bosch alternators
2. The pulley shaft is held in place with the M10 spline bit on 1/2" drive socket whilst the nut is undone using the 33 teeth Union Nut with 19mm spanner

**AT1026** Piston Ring Pliers

1. Installs and removes piston rings from 3/64" to 1/4"
2. Vinyl gripped handles with spring return mechanism

**AT1028** Piston Ring Groove Cleaner

1. Fast and reliable removal of carbon
2. Glaze deposits from piston ring grooves
3. Suitable for pistons between Ø51mm and Ø127mm
4. With three 6-bladed cutters
5. Covering most popular piston groove sizes
6. Cutters:
 - #1 - 1/16", 5/64", 3/32", 1/8", 5/32", 3/16"
 - #2 - 2.0, 2.5, 3.0, 4.0, 4.5mm, 1/4"
 - #3 - 1.2, 1.5, 1.8, 2.8, 5.0, 5.5mm

**AT1197** Piston Ring Pliers

1. Special steel, Nickel-plated
2. For removing and mounting piston rings
3. **AT1197-01** - Capacity: 50mm-100mm
AT1197-02 - Capacity: 80mm-120mm
AT1197-03 - Capacity: 110mm-160mm

**AT1161** Piston Ring Compressor

1. With sprung steel wrap and ratchet action tension mechanism
2. Supplied with steel key
3. **AT1161-01** Capacity: 53-125mm, Depth:75mm(3")
AT1161-02 Capacity: 90-175mm, Depth:75mm(3")
AT1161-03 Capacity: 90-175mm, Depth:100mm(4")
AT1161-04 Capacity: 90-175mm, Depth:150mm(6")



AT1328 Piston Ring Compressor Set 73mm - 117mm

1. Enables the installation of piston rings ranging from 73mm to 117mm
2. Allows the user to compress the piston rings in small increments
3. Includes Ratchet Pliers, 7 Bands:
73mm-80mm, 80mm-86mm, 86mm-93mm, 93mm-99mm, 99mm-105mm, 105mm-111mm, 111mm-117mm

**AT1712** Piston Ring Service Tool Kit

Contents:

- Piston ring compressor w/ratchet key:
Ø53-125mmx3"H / Ø90-175mmx3.5"H /
Ø90-175mmx4"H
- Piston ring plier
capacity: 50-100mm.
- Piston ring groove cleaning fits to 2" - 5"(51 to 127mm) includes blade 1/16" to 3/16";
2.0mm to 4.5mm & 1/4"; 1.2mm to 5.5mm
- Offset screwdrivers: ⊕ ⊖

**AT1454** Universal Belt Tensioner Wrench Set

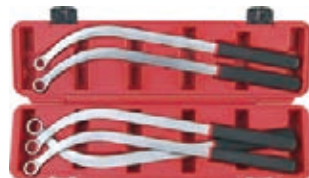
1. 13 sizes for v-belt and timing belt.
2. Double ended : 12, 13, 14, 15, 16, 17, 18, 19mm.
3. Single ended : E10, E12, E14, E16, E18.

**AT1829A** Universal Belt Tensioner Wrench Set

1. Long wrench for easy handling
2. 12-pt 12-19 mm & E-Type E10 - E18
3. 12-pt. heads: 12, 13, 14, 15, 16, 17, 18 and 19 mm
4. E-Type heads: E10, E12, E14, E16, E18

**AT8188** Damper Pulley Puller Ring Wrench Set -5pc

1. Hardened & tempered chrome vanadium steel with heat treatment.
2. Sizes: 13,15,16,17,19mm



AT1462 Ribbed Crankshaft / Auxiliary Pulley Remover

1. For removal of stubborn or seized ribbed crankshaft and auxiliary pulleys
2. Without the risk of damage
3. For most vehicles
4. Low profile arms allow use in restricted engine bays
5. Maximum Leg Spread: 165mm

**AT1484 Camshaft Pulley Removal Tool**

1. For removal of camshaft pulleys
2. Legs fasten through holes in camshaft pulley for fast and sure removal
3. Without damage to the pulley
4. Adjustable legs
5. Allow use on various sizes of pulley
6. Minimum/Maximum Spread: 22-43mm
7. Leg Diameter: 20mm

**AT1485 Timing Pulley Puller**

1. Draws pulleys by the holes without causing damage
2. Moving legs adapt to differing pulley diameters
3. Special compact design for use with engine in situated

**AT4138 Power Steering Pump/Alternator Puller Remover**

1. Removes power steering pulleys on most Ford, Chrysler, VW, and GM vehicles with Saginaw, Thompson and Ford C2 and C111 power steering.
2. It works on pulleys with hub diameters of 1-1/8", 1-1/4", 1-5/16" & 1-3/8".

**AT1067 V-Belt Pulley Wheel Removal Set**

1. Expert v belt pulley wheel removal set expert quality
2. For the removal of v belt pulley wheels
3. Sculpted grooves on face of puller
4. Allow the legs to lock on to outer circumference of the v belt for easy removal.
5. Contents:
 - Small straight leg puller: max. reach 20mm; max spread 110mm
 - Large straight leg puller: max. reach 35mm; max spread 200mm
 - 2 cranked puller legs (can be used with either yoke)



AT4003 Pulley Remover & Installer Set

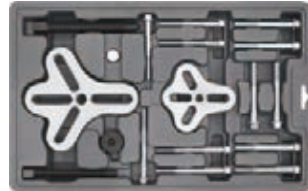
1. Complete with puller body, jaw and sleeve assembly, jack-screw, button, bearing, thrust washer.
2. Remove and install pressed-on alternator and power steering pump pulleys on GM, Ford, Chrysler, AMC engines
3. Fits Pulley shafts of 1-1/8", 1-1/4", 1-3/8", 1-5/8"

**AT4049 Harmonic Balancer Puller Kit**

1. Eases the removal of the harmonic damper pulleys
2. Found on many Chrysler, Ford, GM, Hyundai, Mazda and Mitsubishi engines
3. Eliminates the need of a technician to go through the time consuming process of first removing the radiator before being able to remove the pulley
4. Low profile puller
5. Entire puller set comes packed in a handy blow molded case for ease of storage

**AT4058 Steering Wheel & Harmonic Balancer Puller Set 18pc**

1. Steering wheel yoke manufactured from drop-forged carbon steel.
2. Fits Vauxhall/Opel, Ford and Chrysler vehicles.
3. Suitable as two or three-way puller for removal of pulleys and flywheels from small engines.
3. The larger ductile steel yoke is suitable for pulling harmonic balancers, timing gears and other parts with bolt circle diameters
4. Contents: Yoke, Thrust Bolt, Screw 5/16" x 24 x 3" x 2pc, Screw 3/8" x 16NC x 3" x 2pc, Screw 5/16" x 18NC x 3-1/2" x 2pc, Harmonic Balancer
5. Application: Yoke, Thrust Bolt, Adaptor, Screw 3/8" x 3" x 24 x 3pc, Screw 3/8" x 3" x 16 x 3pc

**AT4070 Harmonic Balancer Remover Set 14pc**

Contents:

- Screwdriver 3/8"x16NCx4"x2pc
- Screwdriver 5/16"x18NCx2"x3pc
- Screwdriver 3/8"x24x2"x3pc
- Screwdriver 10mmx1.5x3"x2pc
- Small pointed tip
- Flat tip
- Long center bolt
- Yoke



AT4071 Master Bolt Grip Set

1. Works on harmonic balancers, steering wheels, cranks haft pullers, and gears.
2. Capable of handling two or three- way bolt pull possible on almost every car, pickup,SUV, and small engine.
3. Contents:
 - Two/Three Way Yoke
 - 4pc Tips
 - Metric Bolt Set
 - SAE Bolt Set
 - 2pc Center Screw for Puller

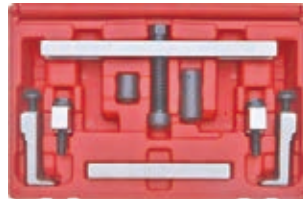
**AT4082 Steering Wheel / Pulley / Flywheel Puller**

1. Removes steering wheels on most American and Japanese vehicles.
2. With or without telescoping steering columns.
3. Also works as a regular 2/3-way puller to remove pulleys and small engine flywheels.

**AT8049 Crankshaft Drive Belt Pulley Puller Set**

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

- 1 beam-working range 132mm
- 1 beam-working range 132-195mm
- 1 pair of pulling legs-length 68mm
- 1 pair of extensions-length 88mm
- 1 spindle with exchangeable pressure pad
- 1 pressure pad 12mm
- 1 pressure pad 37mm
- 2 pairs of screws for the attachment of pulling legs and/or belt pulleys with boltholes

**AT1169 Universal Pulley Extractor**

To loosen the injection pump pulley from the shaft.
Application:VW-AUDI, Seat, Skoda, etc.

**AT1387 Oxygen Sensor Wrench with Flexi - Handle 22mm**

1. Has a swivel head action
2. Double ended with both single and bi-hex profile
3. Giving greater flexibility on Lambda sensors



AT1180

Pulley-Extractor and Reaction Tool with Sliding Hammer

1. **Applications:**

VW-Audi, Seat, Skoda, Opel/Vauxhall Ford, BMW, Mercedes, Peugeot, Citroën, Renault, Fiat and Japanese vehicles, etc.

2. **Contents:**

- 1 - Puller Plate
- 3 - Hook \varnothing 20 mm
- 3 - Hook \varnothing 26 mm
- 3 - Shoulder Nut M10
- 1 - Pressure-Unit
- 1 - Hammer (L: 495mm)



AT1181

Pulley-Extractor and Reaction Tool

1. Loosen the retaining bolt and extract the Pulley
2. For Pulleys with holes with a PCD from \varnothing 70mm- \varnothing 100mm
3. Also suitable for hole from minimum \varnothing 20mm
4. Lock the Pulley while loosening or tightening the retaining bolt
5. Preventing the Pulley from rotating during extraction

6. **Application:**

VW-Audi, Seat, Skoda, Opel/Vauxhall, Ford, BMW, Mercedes, Peugeot, Citroën, Renault, Fiat, Japanese vehicles, etc.

7. **Contents:**

- 1 - Puller Plate
- 3 - Hook \varnothing 20m
- 3 - Hook \varnothing 26mm
- 3 - Shoulder Nut M10
- 1 - Pressure-Unit



AT1183

Pulley-Extractor and Reaction Tool

1. As 0XAT1181 but with two 26mm hooks and two hexagon nuts
2. **Applications:**
VW-Audi, Seat, Skoda, Opel/Vauxhall Ford, BMW, Mercedes, Peugeot, Citroën, Renault, Fiat and Japanese vehicles, etc.

3. **Contents:**

- 1 - puller plate
- 2 - hook diameter 26 mm
- 2 - shoulder nut M10
- 1 - pressure-unit



AT1470 Camshaft Pulley Removal / Installer Kit

1. Hold the camshaft pulley stationary while loosening and tightening center shaft bolt
2. Use the centered screw rod to uproot the pulley
3. Locking screw:M8, M10
4. Fixed distance:54~120mm

**AT1352A Crankshaft Seal Installation Tool VAG 1.4 1.6 16V**

1. For Volkswagen and Audi Group models 16V 1.4/1.6 engines
2. OEM Code: T10017
3. Applications:VAG 1.4/1.6 16v engines
4. Use on Fiat engines

**AT1352B Crankshaft Seal Installing Tool 1.9, 2.0 Diesel**

- This Crankshaft seal removal and installer tool has been introduced for use on Golf, Touran, Audi A3 (04-) and also for 4 cylinder diesel engines with applications including; 1.4i Turbo, 1.4/1.6 Direct Injection (Petrol), 1.9/2.0 SDI, 2.0 TDi and 2.0 Common Rails (Diesel).
- OEM Tool Code T10134.

**- Applications:**

Golf 2004, Touran 2004, Audi A3 2004, and 4 cylinder diesel, 1.9, 2.0SDI, 2.0 TDi, 2.0 and 2.0 Common Rails (Diesel).

AT10045 Crankshaft Seal Installer

1. Using the special tool, install the crankshaft front seal.
2. Suitable for Citroen/Peugeot/Ford 1.4L & 1.6L diesel engines
3. Also for Ford DV5 / EcoBlue 1.5L diesel engines
4. OEM no.: 303-733

**AT8704 Engine Seal Two Ways Puller**

1. Finish: Black finish
2. Size: 200mm L
3. Feature: for taking out the seal from engine

**AT4200 Ford Rear Main Oil Seal Kit**

1. Works on 1994 - 2003 7.3 diesel engine in Ford 3/4- and 1-ton trucks
2. Need to properly remove and install the rear main oil seal and wear ring on the crank shaft
3. Eliminates makeshift methods of seal removal and installation that could damage new seal or crankshaft



AT2203 Volvo DCT Front Oil Seal Installer Kit

1. VOLVO OEM No:9997383.9997388

2. Application:

C70(-06), S40(-04), S60(-11), S80(-07), S80L(-13),
V40 CrossV40Cross Country, V50, V60, V70(-08), XC60, C30

3. Engine:

B4164T2, V4164T3, B4204S3, B4204S4, B4204T6, B4204T7, D4162T, D4204T,
Power Transmission:MPS6

**AT1240 4-16mm Sealing Ring Puller**

1. Use on sealing rings with internal diameter 4 - 16 mm, e.g. injector nozzle sealing rings on Mercedes CDI engines
2. The puller extracts the sealing rings correctly, for example from between the injector nozzle and the cylinder head
3. Pull out the sealing ring, screw the taper point of the tool into it, then remove with the impact-type puller

**AT1404 Offset Oxygen Sensor Wrench with Flexi-Handle 22mm**

1. Flexibly mounted handle with off-set grip for maximum access
2. Suitable for heated and unheated oxygen sensors
3. Cut-out section allows socket to pass over wiring

**AT4098 Power Steering Pump Pulley Set**

1. A complete set of tools required to remove and install power steering pump pulleys of most American vehicles.
2. Fits pulley hubs with diameters of 1-1/8".1-1/4".1-5/16" and 1-3/8".
3. Includes the necessary adapters for servicing GM.Ford engines.

**AT1061 Oxygen Sensor Socket Set 7pcs 3/8" & 1/2" Sq Drive****Contents:**

- 29mm Pressure / Vacuum Switch Socket
- 7/8" Vacuum Switch Socket
- 27 mm Oil Pressure Sending Unit Socket
- 7/8" Vacuum Switch Socket
- 1-1/16" & 1" Oil Pressure Sending Unit Socket
- Long Oxygen Sensor Socket
- Short OXygen Sensor Socket



AT1302 Diesel Injector Puller - Mercedes Cdi

1. For removal of stubborn diesel injectors
2. Fitted on Mercedes CDI engines
3. Features injector cap removal socket, security hex key
4. Including an inner part of injector and a puller to remove the injector without damaging the cam cover
5. Fitted to C-Class, E-Class and Sprinter vehicles

**AT1304 Deep Oxygen Sensor Socket**

1. Hardened & tempered steel socket.
2. Black oxidized finish.
3. 1/2" double-square, 7/8" hex.

**AT1305 Oxygen Sensor Socket**

1. Hardened & tempered steel socket.
2. Black oxidized finish.
3. 3/8" drive, 7/8" hex.

**AT1306 Oxygen Sensor Socket 22mm, 3/8" Drive**

1. Allows the wires to sensors and bypassed
2. **Application:**
Mitsubishi, Nissan, General Motors & Volkswagen Audi Group
3. Size: 3/8" Drive x22mm x 90mm long
4. For heated and non-heated Lambda Sensors

**AT1308 Extra-Long Oxygen Sensor Socket - 22mm, 1/2" Drive**

1. For deep-seated and longer type oxygen sensors found on modern vehicles
2. Enables socket fitted over wiring harness
3. Size: 1/2" x 22mm x 150mm long

**CN5019 Oxygen Sensor Socket - Size: 22mm x 6PT x 50L**

1. Material: Cr-Mo Steel
2. 1/2" Dr. Length: 50mm
3. Size: 22mm x 6PT x 50L
4. Feature: For removing and install lambda sensors Particulary

**CN5020 Oxygen Sensor Socket - Size: 24mm x 6PT x 50L**

1. Material: Cr-Mo Steel
2. 1/2" Dr. Length: 50mm
3. Size: 24mm x 6PT x 50L
4. Feature: For removing and install lambda sensors Particulary



AT1367 Injector Cap Removal Socket Set 4pc

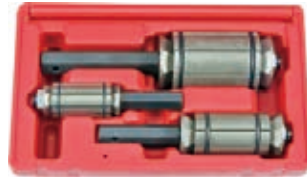
1. Removes the top cap and connectors on diesel fuel injectors
2. Prior to injector removal.
3. Deep socket and wide cut-out configuration are essential for this application.
4. Fits popular injectors found in modern vehicles
5. Injector Applications: Bosch, Delphi, Siemens, Denso
6. Sizes: 25, 27, 29, 30mm

**AT1383** Sensor Socket Master Set 11pc

1. Suitable for Titania and Zirconia oxygen sensors found on most modern vehicles.
2. Windows and slots enable sockets to be fitted over wiring harness.

**AT4001** Exhaust Pipe Expander Set 3pc

1. Ideal for fitting aftermarket components to standard exhausts the pipe is the same diameter and not tapered
3. Ensures a perfect fit with no leaks and also removes dents and clamp marks
4. **AT4001-01** Small: 29-44mm
AT4001-02 Medium: 38-64mm
AT4001-03 Large: 54-89mm

**AT4039** Exhaust Pipe Cutter

1. Suitable for cutting thin wall tubing up to 3.0mm thick
2. Designed to cut where space is restricted, 120° handle movement produces a 360° cut
3. Ideal for cutting all exhaust pipes from Ø35-64mm

**AT4041** Exhaust Pipe & Tubing Cutter

1. Designed for cutting thin walled steel and copper tubing
2. Suitable for cutting exhaust pipe with diameters from Ø20-75mm

**AT4401** Exhaust Pipe Stretcher Kit

1. Expands all types of exhaust pipe, including stainless steel, from 1-5/8" to 4-1/4" in size.
2. **Contents:**
 - Extender#1 (2-3/8"~2-3/4")
 - Extender#2 (2-3/4"~3-1/8")
 - Extender#3 (3-1/8"~3-1/2")
 - Extender#4 (3-1/2"~3-7/8")
 - Extender#5 (3-7/8"~4-1/4") must be used with #3
 - Standard extender (1-5/8"~2-7/16")



AT4296 Exhaust Pipe Chain Cutter

1. Exhaust pipe/tailpipe chain cutter tool
2. Ideal for cutting both thick and thin walled exhaust-pipes
3. Chain suitable for diameters from 19mm (3/4") up to 83mm (3-1/4")
4. Gets into tight spots for easy cutting
5. A complete cut only takes 1/4" turn of the tool

**AT4008 Exhaust Hanger Removal Pliers**

1. Tool for removing exhaust pipe hangers
2. Self-positioning head pin provides a wide application
3. Large body length 367mm / 14.5 in offers extra leverage for an energy-saving operation
4. Enables fast, one-handed, removal of exhaust brackets from rubber hangers
5. Suitable for a wide range of cars and light commercial vehicles

**AT1189 Oxygen Sensor Port Thread Chaser - M18 x 1.5mm**

1. Suitable for cleaning and repairing damaged threads on the exhaust oxygen sensor port.
2. Use with a spark plug socket (21mm).

**AT1190 Oxygen Sensor Port Thread Chaser - M12 x 1.25mm**

1. Cleaning and repairing damaged threads on the exhaust oxygen sensor port
2. With a spark plug socket (21mm)

**AT1628 Oxygen Sensor & Thread Chaser Kit 5pc**

1. For oxygen sensors found on modern vehicles
2. **Contents:**
 - 1/2"Dr. 22mm x 78mmL Oxygen Sensor Socket
 - 1/2"Dr. 22mm x 150mmL Oxygen Sensor Socket
 - 1/2"Dr. 22mm x 50mmH Offset Oxygen Sensor Socket
 - 3/8"Dr. 22mm x 30mmH Offset Oxygen Sensor Socket
 - M18x1.5mm Thread Chaser

**AT1629 Oxygen Sensor & Thread Chaser Set 5pc**

1. For oxygen sensors found on modern vehicles
2. For cleaning and repairing damaged threads
3. **Contents:**
 - 3/8"Dr. x 30mmH & 1/2"Dr. x 50mmH 22mm Offset Oxygen Sensor Socket
 - 3/8" Dr. 22mm x 78mmL Oxygen Sensor Socket
 - M12x1.25mm & M18x1.5mm Thread Chaser



AT1147 Magnetic Spark Plug Socket

1. Forged Chrome Vanadium steel, hardened, tempered and chrome plated
2. **AT1147-01** Size: 3/8" Drive x 16mm
AT1147-02 Size: 3/8" Drive x 21mm
AT1147-03 Size: 1/2" DR. x 16mm
AT1147-04 Size: 1/2" DR. X 21mm

**CN2019** Spring-loaded detent ball Spark Plug socket

1. The newly designed spring-loaded Detent ball spark plug socket provides the same tight grip of a spark plug as the more expensive magnetic ones while eliminating the possibility of attracting unwanted objects from the combustion chamber .
2. Built to last longer than regular rubber insert spark plug sockets.
3. size: 3/8 " Dr. 14-16-21 mm/ 63MML

**AT1182-01** Insulated Spark Plug Booth Pliers - 45° Angled

1. Allows safe removal of spark plug boot
2. Without pulling the leads from their clips
3. Prevent electric shock when working on operating ignition system
4. Vinyl dipped handles and jaws
5. Length: 250mm (10")

**AT1182-02** Insulated Spark Plug Booth Pliers - Straight

1. Allows safe removal of spark plug boot
2. Without pulling the leads from their clips
3. Prevent electric shock when working on operating ignition system
4. Vinyl dipped handles and jaws
5. Length: 250mm (10")

**AT1693** Spark Plug Boot Puller

1. Safely remove spark plug boots with the engine running
2. A flexible shaft makes it easy to reach the spark plug boot
3. Avoid engine burns

**AT1694** Spark Plug Installation/Removal Tool

1. Fits onto common sizes of spark plugs
2. Reduces possible cross threading on deep-seated engine applications
3. Remove spark plugs once loose
4. Flexible rubber shaft allows access in confined spaces



AT1401 Ignition Coil Puller Set for VAG 4 Pcs

1. Installation/removal of ignition coils on VAG vehicles
2. Long shafts with composite T-style handle for added control and stability
3. Prevents damage to ignition coils whilst
4. Allowing faster removal

**AT1401-01 Ignition Coil Puller Type A**

For installing and removing ignition coils with power stage on VW Polo, Golf 1.4, 1.6L, Caddy 1.4L, Bora1.4, 1.6L, Passat, Touran 1.6L, Phaeton, Transporter T4.

**AT1401-02 Ignition Coil Puller Type B**

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.

**AT1401-03 Ignition Coil Puller Type C**

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

**AT1401-04 Ignition Coil Puller Type D**

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

**AT1077 4 PCS Spark Plug Torque Limited Socket**

1. Ideal for automotive based applications including replacement of spark plug.
2. 3/8" DR. Torque Spark Plug Socket:
14mm(19Nm), 16mm(20Nm), 21mm(25Nm).
3. 1/2" (F) x 3/8" (M) adapter

**AT1193 Long Reach Spark Plug Socket - 250mm L**

1. Use with deep-seated spark plugs
2. **AT1193-01** -
Socket size: 3/8" Dr. x 14mm x 12PT x 250mm L,
magnet inside
AT1193-02 -
Socket size: 3/8" Dr. x 16mm x 12PT x 250mm L,
magnet inside



CN2020 Long Reach Spark Plug Socket

1. Socket size: 14mm for 8mm spark plug
2. Designed for use with deep-seated spark plugs.
3. 300mm Long, 3/8" Sq drive, 12-point socket.

**AT1278 Torque Spark Plug Socket Set 8pc - 3/8" Drive****Contents:**

- 3pc - 3/8"DR. Torque Spark Plug Socket: 14mm(19Nm), 16mm(20Nm) and 21mm(25Nm)
- 2pc - 3/8"DR. Wobble Extension Bar: 150mm & 250mm
- 1pc - Sliding T-Bar
- 1pc - 3/8"DR. Universal Joint
- 1pc - 1/2"DR. (F) x 3/8"DR. (M) Adaptor

**AT1280 Torque Limited Adapter Set 3/8" Drive**

1. This tool prevents over-tightening of spark plugs and glow plugs and ensures garages are protected from hefty claims from customers at one end and refused warranty by the plug maker at the other
2. Use in conjunction with your own plug sockets
3. Torque Ratings: 10, 15, 25Nm

**AT1281 Torque Glow Plug Socket Set 3pc 3/8" Drive**

1. Chrome Vanadium steel, 12-point sockets, with plug retaining insert
2. Prevent over-tightening of glow plug and resulting cylinder head damage.
3. Transmits full torque in reverse for rapid plug removal
4. Supplied in storage case
5. Torque Limits: 15, 18, 18Nm
6. Socket Sizes: 8, 10, 12mm

**AT1623 Spark Plug Socket 3/8" Drive 8mm Thin Wall**

1. Thin walled Spark Plug socket with a spring clip to hold the plug
2. Used on most Citroen vehicles
3. Fitted with 8mm Bosch spark plugs such as BMW E90335I N54 engine 2006, BMW Mini, Mercedes M156 engine, Peugeot 207 and 307, Renault 1.2 16v

**AT1292 Spark Plug Lead Tool - VAG**

1. Separates the HT leads from deep-seated spark plugs
2. Fitted to VAG vehicles
3. For spark plug removal
4. Overall length: 290mm



AT1141 Spark Plug Boot Puller Tong

1. Designed for removal/installation of spark plug boot
2. Reduces risk of electric shock or burns when checking installation of plug leads whilst running engine

**AT1244 Spark Plug Pliers - 300mm**

1. Suitable for removal of spark plug boot on deep-seated engine applications
2. Provide insulation from HT shock
3. Give added comfort and control

**AT1191 Spark Plug Thread Chaser 14 & 18mm**

1. Suitable for removal of spark plug boot on deep-seated engine applications
2. Provide insulation from HT shock
3. Give added comfort and control
4. Use with a spark plug socket (21mm).

**AT1192 Spark Plug Thread Chaser 10 & 12mm**

1. Suitable for removal of spark plug boot on deep-seated engine applications
2. Provide insulation from HT shock
3. Give added comfort and control
4. Use with a spark plug socket (21mm).

**AT1226 Diesel Injection Pump Wrench Bi -Hex 13mm**

1. Use on:
Audi / Alfa Romeo / Citroën / Chrysler /Ford / Fiat / Nissan / Peugeot / Rover / Renault / Seat /Vauxhall/ Opel / Volkswagen and Volvo
2. For removal of glow plug
3. 90 degree angle for leverage

**CN7000 2pcs Turbo Actuator Wrench 10x12mm**

1. Turbo Actuator Adjustment Set - VAG
2. 1/4"Dr Socket - 10mm x 50mm Long.
3. 12pt Spanner - 10 / 12mm x 143mm long.
4. Unique spanner and split socket for removing fitting and adjusting the turbo pressure capsule and charge pressure actuator on VAG vehicles.
5. For 2.0 L common rail diesel engines fitted to Golf V1 / 5k | Golf Plus / 52 / Jetta / 1K Passat / 3c | Passat CC / 35 / Scirocco/ 13 EOS/ 1F / Tiguan / 5N Transporter T5 from 2010 upwards 7J | 7H | 7G | 7F
6. Equivalent to OEM T10422 and T10423
7. Material: Cr-V Steel



AT1480 Glow Plug Socket Set 3 Pcs 8/9/10 mm

1. Specially designed for gaining access to the glow plug when the cable restricts access.
2. Lateral slot for access.
3. Hardened & tempered drop-forged CR-V.
4. Sizes: 8mm / 9mm / 10mm
5. **Applications:**
Alfa Romeo: 147 / 156 / 159 / GT / Spider / Brera
Fiat: Bravo / Stilo
GM: Astra / Signum / Vectra-C Zafira / Saab 93/95

**AT1594** Reverse Action Spark Plug Thread Chaser

1. For chasing spark plug threads from inside the cylinder head and working outward
2. Uses better threads at the base of the spark plug port
3. Reduces the chance of debris from falling into the cylinder
4. **AT1594-01** Size: 12mm x 260mm long
AT1594-02 Size: 14mm x 260mm long

**AT1595** Internal (Thread Chaser) Spark Plug Rethread Tool Kit 7pc

1. Repair damaged, deep-seated spark plug threads on modern engines
2. Allows the tool passed through the plug thread into the combustion chamber
3. Expanded to the correct size starting on the inner, undamaged threads
4. Traditional thread restorers rely on luck for restored and undamaged threads to align
5. **Contents:**
 - 12mm Internal Spark Plug Rethread Tool
 - 14mm Internal Spark Plug Rethread Tool
 - 18mm Spark Plug Rethread Tool
 - 8mm Internal Spark Plug Rethread Tool
 - 10mm Internal Spark Plug Rethread Tool

**AT1405** 14mm Spark Plug Rethreader Kit 16pc

1. Designed for the repair of spark plug threads
2. With the Spark plug tap/reamer and inserts
3. **Includes:**
 - 1 - Tap and Reamer
 - 5 - Insert M14x1.25x11mm
 - 5 - Insert M14x1.25x16mm
 - 5 - Insert M14x1.25x19mm

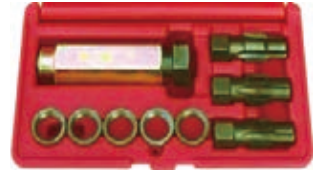


AT1723 Thread Repair kit for Lambda Sensors - M12 x 1.5mm

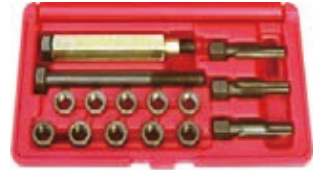
1. Repair of threads in the cylinder head
2. For new thread inserts
3. New insert will remain in-situ even if Lambda Sensors is subsequently removed
4. Includes five replacement inserts and three cutters

**AT1724 Thread Repair kit for Lambda Sensors - M18 x 1.5mm**

1. Unique and wide assortment for thread damaged or worn off thread repairing
2. Ideal lambda sensor threads
3. Includes threaded tap and assembly tool
4. Fast repair possibility without costly replacement of bearing housings and components

**AT1725 Glow Plug Thread Repair kit - M10 x 1.0mm**

1. Repair of threads in the cylinder head
2. Insertion tool for new thread inserts also included
3. New insert will remain in-situ even if Glow plug is subsequently removed
4. Includes replacement inserts 5pc of each M10x1.0x12mmL & M10x1.0x19mmL, three cutters and assembly tool

**AT1726 Glow / Spark Plug Thread Repair kit - M12 x 1.25mm**

1. Repair of threads in cylinder head
2. New insert will remain in-situ even if Glow/Spark plug is subsequently removed
3. Includes replacement inserts 5pc of each: M12x1.25x12mmL, M12x1.25x19mmL & M12x1.25x26mmL, three cutters and assembly tool

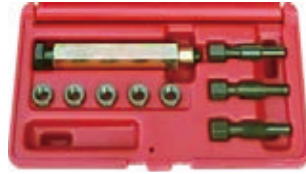
**AT1727 Spark Plug Thread Repair kit - M14 x 1.25mm**

1. Repair of threads in the cylinder head
2. New insert will remain in-situ even if spark plug is subsequently removed
3. Includes replacement inserts 5pc of each: M14x1.25x12mmL, M14x1.25x17.5mmL, M14x1.25x17.5mmL t, three cutters and assembly tool

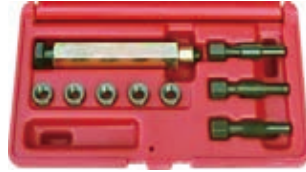


AT1720 Glow Plug Thread Repair kit- M8 x 1.0mm

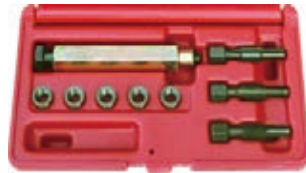
1. Repair of threads in the cylinder head
2. Insertion tool for new thread inserts
3. Also included New insert will remain in-situ even if Glow plug is subsequently removed
4. Includes five replacement inserts and three cutters

**AT1721 Glow Plug Thread Repair kit- M9 x 1.0mm**

1. Repair of threads in the cylinder head
2. Insertion tool for new thread inserts
3. Also included New insert will remain in-situ even if Glow plug is subsequently removed
4. Includes five replacement inserts and three cutters

**AT1722 Glow Plug Thread Repair kit- M10 x 1.25mm**

1. Repair of threads in the cylinder head
2. Insertion tool for new thread inserts
3. Also included New insert will remain in-situ even if Glow plug is subsequently removed
4. Includes five replacement inserts and three cutters

**AT1521 Diesel Glow Plug Socket Set 4pc 3/8" Drive**

1. Popular glow plug sized Chrome Vanadium steel sockets
2. With universal joints for replacement
3. Features rubber inserts for retention of plug in socket
4. Includes 75mm extension bar
5. Contents:
 - Sockets; 8, 10, 12mm,
 - Extension Bar 75mm

**AT1132 Glow Plug Puller & Ream Kit with 6pc - Glow / Spark Sockets 3/8" Drive**

1. Suitable for removal of stubborn glow plugs on Mercedes vehicles with melted electrodes
2. Enables successful extraction from plug aperture
3. Set includes reamers 6mm & 7.5mm for decarbonising the glow plug aperture and 6pc of plug socket 8 / 9 / 10 / 12 / 14 / 16mm

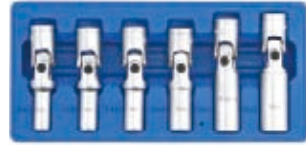
**AT1157 Extra-Long Glow/Spark Plug Socket Set 6pc 3/8" Drive**

1. Forged Chrome Vanadium steel deep universal glow/spark plug sockets
2. Rubber socket insert grips ceramic insulation and assists in extraction of plug
3. Overall Length: 150mm
4. Sizes: 8, 9, 10, 12, 14, 16mm



AT1172 Glow/Spark Plug Socket Set 6pc - 3/8" Drive

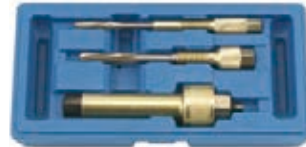
1. Forged Chrome Vanadium steel deep universal glow/spark plug sockets
2. Rubber socket insert grips ceramic insulation and assists in extraction of plug
3. Overall Length: 150mm
4. Sizes: 8, 9, 10, 12, 14, 16mm

**AT8701** PSG Glow Plug Socket with 5 PSG Protection Caps

1. The PSG-Glow plugs with pressure sensor should be mounted with protecting cap in order to save the plug-in connection of the PSG-Glow plugs from pollution and electrostatic charging.
2. Size: 1/4"Dr.x12mm
3. Suitable for Audi, Volkswagen and Opel (eg. Dür PSG glow plugs with OE no. GM 55564163/55577419, Opel 18 26 354/12 14 061, VW 03L905 061 D)

**AT1426** Glow Plug Puller & Reamer Set 3pc

1. Removal of stubborn glow plugs on Mercedes vehicles with melted electrodes
2. Enables extraction from plug aperture
3. Includes reamers for decarbonising the glow plug aperture after removal
4. Reamer Dimensions:
 - 6mm Reamer x 10mm Thread x 103mm from
 - 7.5mm Reamer x 12mm Thread x 95mm

**AT1704** Master Glow Plug Tool Set - Mercedes CDI engines

1. For Mercedes CDI engines OM 611, 612 and 613
2. Enables removal of burnt and/or stuck due to corrosion or torn off glow plugs as well as the repair of glow plug retaining thread
3. The cylinder head need not to be removed

**AT1418** Glow Plug Reamer Set 3pc

1. Use when fitting new or refitting original glow plugs
2. The Reamer Set has M10 and M12 (two lengths)
3. It is a Chrome Molybdenum Titanium coated
4. Suitable for removing engine carbon deposits



AT1728 Glow Plug Puller Kit 7pcs

1. Manufactured from S45C carbon steel and SUS303 for strength.
2. Contents:
 - External Grip (7.7mm internal), includes size 4 (6.0mm) contraction collect.
 - External Grip (6.8mm internal), includes size 3 (5.0mm) contraction collect.
 - 3pc of Contraction Collect, sizes: 3 (5.0mm); 2 (3.6mm); 1 (2.7mm).
3. T-Bar Slide Hammer / Puller
4. Internal (Expansion Collect) Puller

**AT1267 Injector Seal Removal Tool**

1. Remove the copper injector seal when it stuck into the head
2. Allow seals with 7.5-10mm internal diameter to be removed
3. Drop the tool into the hole left by injector, tighten the handle and lift out the seal

**AT1051 Glow Plug Socket Set 3pcs**

1. These sockets have a universal joint for easy replacement and removal of all popular glow plugs.
2. Hardened & tempered chrome vanadium steel.
3. Length:72mm
4. Sizes:8mm,10mm,12mm

**AT1831 31PCS Glow Plug Tool Set**

1. Thread glow plug application: M10 x 1.0mm
2. Suitable for VW-Audi V6TDI engines:
 - 2.5L (AKB,AKE,AKN,AYM;BAU;BCZ,BDG,BDH,BFC);
 - 2.7L(BPP,BSG)and 3.0L(ASB,BKN,BMK,BNG,BUN,BUG)
3. Tap Dimension:
 - 1/4" x 20 UNC thread,M10 x 1.0mm thread
 - M12 x 1.0mm



AT1714 Master Glow Plug Thread Repair Kit

1. Unique and wide assortment for thread damaged or worn off thread repairing
2. For sparks plugs, glow plugs and lamda sensor threads
3. Includes threaded tap and assembly tool
4. Fast repair and without costly replacement of bearing housings and components

5. Contents:

- Repair set for glow plug threads M8 x 1,0
- Repair set for glow plug threads M9 x 1,0
- Repair set for glow plug threads M10 x 1,0
- Repair set for glow plug threads M10 x 1.25
- Repair set for glow and spark plug threads M12 x 1.25
- Repair set for lambda sensor threads M12 x 1,5
- Repair set for spark plug threads M14 x 1,25
- Repair set for lambda sensor threads M18 x 1,5
- Glow pin canal cleaning brush, brass
- Glow pin canal cleaning brush, nylon
- 20 blades feeler gauge,metric

**AT1472 Damaged Glow Plug Removal & Cleaning Set**

1. Remove damaged/broken glow plugs from cylinder heads
2. For glow plugs with M8 x 1.0mm thread
3. Includes required adaptors, centring and cleaning tools
4. Safety remove the glow plug without damage the engine
5. Tap Dimensions: M5.5 x 0.9, M8 x 1.0mm
6. Glow Plug Applications: M8 x 1.0mm

**AT1116 Water Pump Pulley Wrench Set 10pc**

1. Removal of lock nuts on thermo Viscous fans found on Mercedes-Benz, BMW, Ford and many other vehicles
2. Allows the technician to hold the water pump pulley in place while loosening the radiator fan for removal of the visco-coupling on the cooling fan
3. Special open-ended spanner to allow removal and replacement of the radiator fan hub
4. The three-in-one design allows servicing of three separate areas of repair (which all require a specialty tool due to their confined locations)
5. Applications: Mercedes, BMW, Ford and GM vehicles



AT1095 Valve Spring Compressor Kit

1. Use on SOHC and DOHC engines
2. Allow the removal of valve springs and valve stem oil seals
3. With the cylinder head in place
4. Fast set up time due to the twin rail pivot system
5. Single handed operation

6. Contents:

- 2 - Support bar
- 1 - Spark plug air line adaptor
- 2 - Adjustable upright
- 1 - Compressor force screw assembly
- 1 - Valve adaptor
- 1 - Extension rods

**AT1133 Valve Seal Remover and Installer**

1. Works on both valves still seated or removed
2. Precision machined seal driving adapters guide the seal for proper setting

3. Contents:

- 1 - Valve stem seal plier
- 1 - Drive handle 150mm long
- 2 - Deep seal driving sockets for seals
O.D. 10.8 - 14.8mm
- 7 - Seal driving adapters fit seals 5mm, 5.5mm, 6mm, 6.6mm, 7mm, 8mm, & 3/8"

**AT1616B Valve Seat Cutter Kit 10pc**

1. For re-cutting inlet/exhaust valve seats concentric to the valve guides
2. Features tungsten carbide cutting blades, expandable pilots and double end cutters for increased application
3. Pilot Range: 5.5-10mm
4. Cutter Sizes:
Ø28-37mm 75° & 45°,
Ø37-44mm 75°, 28-37mm 30°,
Ø37-46mm 60° & 45°

**AT1916 Engine Calibration & Set-up Kit**

1. To remove balance pulley or to set up timing alignment.

2. Contents:

- TDC indicators
1mm graduation marks to 50mm extended model 10.5"
- Compression whistle alert
- Adaptor 12mm spark plug hole
- Adaptor 18mm spark plug hole
- Crank stop tool
- Gauge indicated



AT1311 Glow Plug Ratchet Spanner

1. Double-end, 12-point, reversible, offset, ratchet ring spanner
2. For removal/installation of glow plug bus bar and glow plug units.
3. Overall length: 300mm
4. **AT1311-01** - 8mm x 10mm
AT1311-02 - 8mm x 12mm

**AT1027 Valve Collet Installer/Remover**

1. Aid simple and secure installation of valve spring collets
2. Quick and easy retrieval of lost collets using magnetic tip
3. Suitable for 16 and 24 valve engines
4. Use on heads with recessed valves

**AT1456 Glow Plug Connector Pliers - Straight**

1. For removal of hard to reach glow plug connectors
2. Found on latest generation of engines
3. Composite handles provide added comfort and control
4. Overall length: 245mm

**AT1457 Glow Plug Connector Pliers - Angled**

1. For removal of hard to reach glow plug connectors
2. Found on latest generation of engines
3. Composite handles provide added comfort and control
4. Overall length: 235mm

**AT1396 Glow Plug Aperture Cleaner/Reamer Set**

1. Clean the base aperture of M8, M10 and M12 Glow Plugs
2. Includes 3 reamers and 4 glow plug sizes: M8x1.0; M10x1.0; M10x1.25; M12x1.25
3. Manufactured from Chrome
4. Vanadium for strength

**AT1397 Glow Plug Thread Repair Kit 33pc**

1. Repair taps and coils for repairing the threads on 8 / 10mm glow plugs on alloy cylinder heads
2. Tap sizes:
M8 x 1.0 / M10 x 1.0 / M10 x 1.25 / M12 x 1.0 / M12 x 1.25 / M14 x 1.25
3. Coil sizes:
M8 x 1.0 / M10 x 1.25
M10 x 1.0 / M12 x 1.0
M12 x 1.25 / M14 x 1.25



AT1117 Valve Spring Compressor

1. For large diesel and petrol engines
2. Give improved visibility and ease of use in confined areas
3. Collet release adaptors 25mm and 30mm
4. Jaw opening Min 35mm Max 142mm
5. Throat clearance: 150mm

**AT1134** Valve Spring Compressor - Multi Valve

1. Use on multi valve petrol and diesel engines
2. With deep-seated valves
3. For general use on OHC, OHV and CVH engines
4. Universal jaw with 55-175mm capacity and 165mm throat depth
5. Reversible jaw and adaptor
6. Twin cam action permits use from above or below valve

**AT1135** Valve Spring Compressor - Dual Size

1. Suitable for Multi-Valve, Zetec engines
2. Large throat clearance for larger engines
25mm x 30mm collet release adaptors

**AT1179** Valve Spring Compressor OHV

1. Replaced without the need to remove the cylinder head
2. Used in conjunction with OXAT1032
3. Compressed Air Adaptor
4. Reversible jaw adaptor and automatic cam action lock to pre-set spring tension
5. Use on a wide range of OHV, OHC and CVH engines
6. Not suitable for engines with deep-seated valves

**AT1296** Valve Spring Compressor

1. Easily removes valve springs on most cars and light trucks
2. Works with cylinder head on or off the engine
3. Grip the valve spring in parallel compression

**AT1032** Compressed Air Adaptor

1. Use with OXAT1179 to hold valves closed whilst spring is compressed
2. Spark plug adaptor with M14 and M18 threaded
3. Fittings for car and light commercial use
4. Maintains cylinder pressure when air supply is cut
5. Requires a 90-125psi supply



AT1194 Valve Spring Compressor Lever Type OHV/OHC

1. For the replacement of valve springs and valve stem oil seals
2. Without the need to remove the cylinder head
3. Conjunction with 0XAT1032 compressed air adaptor
4. Adjustable handle, claws and hooks
5. Allow use on OHV engines

**AT1239 Valve Spring Compressor**

1. For service to most valve train components
2. Remove and replace valve spring in GM 8 cylinder engines
3. Replaces weak or broken valve springs and guide seals with cylinder head on the engine

**AT1384 Valve Spring Compressor - Ford CVH**

1. Permits valve stem seal and valve spring replacement without the need to remove the cylinder head
2. With radiused fulcrum for smooth spring compression
3. For CVH Ford engines 1.3, 1.4 and 1.6
4. Fitted to Escort (inc. XR3i and RS Turbo), Fiesta (inc. RS Turbo) and Orion

**AT1385 Rocker Arm & Valve Compensator Tool**

1. Use on Vauxhall/Opel OHC engines
2. Permits quick, on vehicle, removal of rocker arm and valve play compensator
3. Mounts on camshaft housing
4. Cast construction with knurled hex head fixing.

**AT4430 Inner-Driveshaft Extractor Fork**

1. Total length: 390mm; jaw width: 82mm.
2. Applications include:
Ford, Mazda, Volvo, Renault, Dacia & other front wheel drive vehicles.
3. Designed to engage between the inner driveshaft and the gearbox housing to lever out the driveshaft

**AT1929 BMW (N20,26, 55) Valve Pressure Spring Installer/Remover**

1. Suitable for: BMW N20,N26,N55.
2. Special designed to remove and install the pressure spring on intermediate lever.
3. BM number: 117110.



AT8702 Mercedes Valve Adjustment Wrenches - 17mm

1. Size: 17mmL x1/2"Dr. x H21
2. Material: Cr-Mo Steel Chrome plated
3. Can be used with Torque wrench
4. Application: Mercedes 100,110,114,115,123,130

**AT1291 Valve Seal Removal tool Hammer with Sliding**

1. Allows quick and easy removal of the valve-stem-oil-seals
2. Without any risk of damage to the inner walls of the cylinder-head in the area of the bucket-tappets
3. For valve stem seal ring
4. Capacity: Ø10mm to Ø19mm

**AT1741 Valve Shim Adjustment Remover**

1. Use on European Cars with overhead camshafts
2. For use on overhead camshafts
3. European models including Volvo; Vauxhall/Opel
4. T-bar action

**AT1137 Valve Grinder**

1. Hand grind small and large flat-head unslotted valves
2. Use place grinding compound on valve face and put in seat
3. **AT1137-01** : Small Cup Ø5/8" & 13/16" Valve Grinder
AT1137-02 : Large Cup Ø1-1/8" & 1-3/8" Valve Grinder

**AT3016 Condenser Fin Comb**

1. Cleans and straightens condenser and evaporator fins.
2. Six side head for 8,9,10,12,14 & 15 fins per inch operation.

**AT1124 Radiator Cap Wrench**

1. Removes all standard radiator caps.
2. Allows the extra torque required to free tight caps to be applied easily and safely

**AT1165 Engine Cleaning Kit with Syphon Tube**

1. For engine, engine bay and similar applications
2. With standard and long aluminium nozzles and 1.8mtr suction tube
3. Specifications:
 - Working Pressure:75-120psi
 - Air Consumption:6.5cfm
 - Suction Hose Length:1.8mtr
 - Air Inlet: 1/4"BSP



AT8265 Part Of Spark Plug Tools-3/8"

1. 180mm long
2. Specifically designed for Ford EcoBoost 1.5 engines
3. Manufactured from Chrome Vanadium
4. Bi-Hex profile

**AT8266** Part Of Spark Plug Tools-3/8" Dr.x16mmx12PT

1. 16mm x 3/8"D
2. Specifically designed for Ford EcoBoost 1.6 engines
3. Special length 215mm x 12 point with rubber insert
4. Specifically designed for better access
5. Manufacture from Chrome Vanadium

**AT0509** Flywheel Locking Tool Set

Locks flywheel in place when removing harmonic balancer on 6.6L Duramax engines with Allison automatic transmissions. Use 36mm 12-point socket with 3/4" square drive to remove harmonic balancer bolt

**AT0019** VW/Audi Crankshaft Locking Pin

- A: M12x 1.5 -Audi, V6,V8 Engine, OEM: T40026 for Audi 3.0 AVK (2000-2004)
- B: M18x 1.5 VAG, V6,V8 Engine, OEM: T3242 for VW/Audi 2.7 & 2.8 Liter V6 Engines & Audi: 4.2L, V8- BVJ, BHF
- C: M14x 1.5 OEM: T10340 for VAG 1.4L and 1.6L TSI FSI Engines- AXU, BAG, BKG,BLF, BLG, BLN, BLP, BMY, BTS, BWK, AXA (03+)
- D: M14x 1.5 OEM: T40069 for VAG 6-cyl, 2.4 & 3.2 FSI engines

**AT0024B** Ignition Coil Puller - VAG group

1. Used for removing "pencil-type" ignition coil on 4-cyl. Direct injection engine (Generation III).
2. OEM Ref. T10530

**AT0024C** Ignition Coil Puller Set 2pcs

1. Specifically designed to pull out the ignition coil- Equivalent to OEM KM 6009
2. Applications:
Agila-A, Astra-F/G/H/J, Calibra, Combo, Corsa-B/C/D, Frontera-A/B, Insignia, Mervia-A/B, Omega-B, Signum, Tigra-A/B, Vectra-B/C, Zafira-A/B



AT0031 Crankshaft Pulley Assembly

Tools for securing crankshaft pulley, keep everything in time while performing a chain service.

OEM NO.: T10531/1, T10531/2, T10531/3, T10531/4

Applicable: Seat, Skoda, Audi, Volkswagen

**AT0512 Fuel Solenoid Wrench 1/2"Dr -Ford**

1. Description

For removing the solenoid on high pressure Diesel pump

2. Suitable for the following models:

Ford Tourneo Connect, Transit (-2010),
Transit Connect (-2006), Mondeo (-2007), Focus (-2004)

3. With following engines:

1.8 Duratorq Di / TDDi / TDCI - 2.0 Duratorq Di / TDDi / TDCi
- 2.2 Duratorq TDCi - 2.4 Duratorq Di / TDDi / TDCi to be used as OEM 303-1286

**AT0029A Engine Timing Tool Set - VAG 1.4D, 1.6D, 2.0D- Belt Drive**

1. Covers the new generation three and four-cylinder common rail diesel engines.

2. Includes the tools required for setting the camshaft drive gears within the cylinder head.

**AT8143 Hose Clamp Pliers Angle Type Swivel Jaws**

1. Suitable for accessing reusable Clic/Clic-R type hose clamps in normally inaccessible positions
2. Can be used at any angle and with swivel head for most awkward angles

**AT8146 Hose Clip Pliers - Standard Type**

1. Heavy-duty construction with non-slip handles for added comfort and grip
2. Special 'V' slot and cross slot jaws for installation and removal of tag and wire type hose clips
3. Pliers with ratchet locking mechanism for easy use on lower radiator hoses
4. Swivel jaws allow use where access is confined

**AT8147 Hose Clip Pliers - Straight**

1. Heavy-duty construction with non-slip handles for added comfort and grip
2. Special 'V' slot and cross slot jaws for installation and removal of tag and wire type hose clips
3. Pliers with ratchet locking mechanism for easy use on lower radiator hoses
4. Swivel jaws allow use where access is confined



AT8148 Hose Clip Pliers - 45° Angled

1. Heavy-duty construction with non-slip handles for added comfort and grip
2. Special 'V' slot and cross slot jaws for installation and removal of tag and wire type hose clips
3. Pliers with ratchet locking mechanism for easy use on lower radiator hoses
4. Swivel jaws allow use where access is confined

**AT1985** Lock-ring Pliers

1. For Removing and Installing all Types of Lock Rings.
2. Spreads lock rings commonly found on transmissions, master cylinders, brakes and other applications.
3. Specially designed jaws are knurled on the end to prevent slipping.

**AT1986** Repair Tool for Four-Link Axle Clamping Screw

1. Deally for drill out the broken screw on the four -link axle
2. Special design for clamping the axle and drill guide to drill out the screws.
3. Application range: VW AUDI & SEAT

**AT1989** Injector Shaft Cleaning Set

1. For cleaning the injector seats and glow plug ducts
2. Injector Seat and shaft cleaning kit

**AT0033** Diesel Injector Remover

1. Diesel injector remover for VAG vehicles fitted with 1.6 & 2.0 CR TDi engines
2. **Applications:**
Volkswagen Golf 2009, Seat Ibiza 2008, Altea 2009, XL 2009, Freetrack 2009, Toledo 2013, Audi A3 2009/2013, Leon 2009
3. Engines: 1.6L TDi CR diesel & 2.0L TDi.
4. OEM No.: T10402, T10415



AT0612 VOLVO Cam Belt Kit 2.0L | 2.4L 5 CYL

1. Volvo Crankshaft Pulley Holding Tool.
2. OEM: 303-117 / 9999 5433
3. Crankshaft Locking Pin . OEM:999 7005
4. Camshaft Locking Pin. OEM:999 7007

**AT1195H EGT Sensor Sockets**

This set of sockets is designed to remove exhaust temperature sensors.

Due to heat cycles and the corrosive environment in the modern diesel exhaust system the EGT sensors become very difficult to remove without damaging them.

This set of sockets is designed to drive all 6 sides of the hex equally to reduce the chance of damage. The 3 different sizes and two different styles will remove most if not all EGT sensors used on cars, light, medium, and heavy-duty trucks on the road today.

**AT1636 14-piece Slotted Special Socket Set**

1. Slotted sockets in 3/8"DR(10, 11, 12mm)x 6PT x 46mm, 3/8"DR(13,14,15,16mm)x 6PT x 64mm, and 1/2"DR(17,18,19,20,21,22,24mm) x 6PT x 78mmL
2. For the assembly of top and side wired temperature, sensors, thermo switches and other components also suitable for for nuts and bolts of bent pipes.
3. The slot width is:

7.4 mm(10), 8.8 mm(11), 9.1mm(12), 10.5 mm(13), 11 mm(14), 11 mm(15), 12.3 mm(16), 13.8 mm(17), 14 mm(18) 14.4mm(19), 14.4 mm(20), 15.7 mm(21), 15.7 mm(22) and 16.9 mm(24).

**AT0519 Timing Tool - FORD 3.5L & 3.7L**

1. To ensure camshaft alignment during removal and installation of the timing chain.
2. Applications:
 - 3.5L - 2007 and newer.
 - 3.7L -2009 and newer.

**AT0719 Crankshaft Trigger Wheel Installer JLR**

1. Introduction: To install the trigger wheel to the rear crankshaft
2. OEM NO. 303-1130
3. **Application:**

Land Rover Required to install the crankshaft position Sensor Ring on Discovery 3/4, Range Rover Sport when fitted with TDV6 engine (3 Powertrain)

Jaguar Required to install the Trigger Wheel to the rear crankshaft on X200 S Type, X250 XF, X350 XJ and X351 XJ (300 powertrain)



AT0034 Clamping Washer Tool - VAG/Ford

1. Introduction:
OEM NO.: 36149, 36150 & 36571
2. Applications:
Audi, Seat, Skoda and Volkswagen OE
N90335004, N90335006, N90796501
and Ford OE 6715468

**AT8277** Hose Clip Fitting Tool

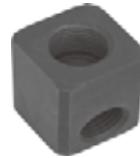
1. For clips used on Audi 2011 onwards,
Volkswagen Polo, Skoda Rapid, Seat Ibiza 2013 onwards.
2. OEM No.: VAS 531 001

**AT8278** Universal Locking Ring Tool

1. It's safest, strongest tool for lock ring service.
2. Hold single handle then adjust screw mechanism to control forged jaws to remove and install lock rings securely
3. Services CV shaft, wheel hub, axle shaft, cam shaft, etc
4. Includes 3 pairs of tips: 2.5mm, 3mm & 3.5mm

**AT1995** Diesel Injector Puller (Hyundai / Kia)

- Introduction:
For removing diesel injector without removing the cylinder head.
Suitable for Hyundai / Kia A2 diesel engine

**AT1996** Injector Nozzle Removal (BENZ M278)

1. This tool is designed for removing the injector by slide hammer or the t bar.
2. Application: Benz m278 engine.
3. Engines: 133,152,157,270,274,276,278.
4. Benz OEM no.: 278 589 00 33 00

**AT1997** Benz Injector Nozzle Installer

1. Fuel injectors must be installed immediately after calibration of the sealing rings.
2. Clean base surface for sealing ring on fuel injector.
3. Application: Benz m278 engine.
4. Engines: 133,152,157,270,274,276,278
5. Benz OEM no.: 272 589 00 43 00
6. Material: stainless-steel



AT1937 Universal Spark Plug Socket

1. Size: 3/8" Dr. x 14MM x 92MML
2. Material : CR-V

**AT0518 Install/Remove Gear Belt Tool-FORD**

1. Torque Multiplier Set Ford 1.0 EcoBoost
2. This torque multiplier set allows the correct mounting position and correct tightening sequence to be applied to the crankshaft pulley bolts.
3. The torque multiplier has a gear ratio of 1:5.
4. The tool is mandatory when working on the following Ford engines: 1.0 EcoBoost, 1.0 Duratec, 1.1 Duratec, 2.0 Duratorq-TDCi, 2.0 EcoBlue Diesel.
5. OEM: 303-1611, 303-1611-01, 303-1611-02
6. **Models:**

Ford: B-Max (2012-2018), C-Max (2012-2018), Grand C-Max (2017-2018), EcoSport (2015-2019), Fiesta (2012-2019), Focus (2012-2018), Mondeo (2015-2018), Transit Courier (2014-2020), Transit Connect (2013-2018), Grand Tourneo Connect (2013-2018), Tourneo Courier (2014-2020)

7. Engine Codes:

M1DA, M1DD, M1JA, M1JC, M1JE, M1JH, M1JJ, M1CA, M1CB, M2DA, M2DB, M2DC, M2GA, M2GB, P4JA, P4JB, P4JC, P4JD, SFCA, SFCB, SFCC, SFCD, SFDB, SFJA, SFJB, SFJC, SFJD, XMJA, XMJB, XMJC, XMJD, YYJA, YYJB

**AT1990 Universal Injector Extractor**

1. Extraction of diesel injectors of the brands Bosch, Delphi, Siemens, Denso by means of percussion hammer. Allows removal of the injectors without removal of the electric plug or injector head
2. Special pliers for secure gripping in the clamp holder on the injector
3. Handles with joint adapter for simultaneous pulling and twisting of the injector.
4. Handles can be attached either to the internal or external threads of the power supply connector

**AT1998 8mm & 10mm x 10 Point Socket Set**

Introduction:

1. For removal and installation of the driver side & front passenger side seat tracks
2. Both sizes needed for this application
3. For 2009 & up Honda Odyssey & Pilot
4. 1/4" square drive



AT1999 Universal Hose Clamp Pliers

1. Special angle jaws designed for most kinds of hose clamp.
2. Finger tip "position lock" to keep hose clamp spread open.
3. Capacity: 0mm ~ 65mm

**AT0732 Hybrid Belt Tensioner Tool (Hyundai / Kia)**

1. The tool must be used to compress the stiffer hydraulic tensioner as part of the Hybrid Starter Generator (HSG).
2. Belt removal steps.
3. Suitable for : Hyundai Sonata / Ioniq Kia Optima / Niro

**AT10001 Metric Socket / Wrench insert set (Non-Marring)**

1. General automotive use, decorative polished engine components, rims, Door thresholds, motorcycles, boats / marine, trucks, bezels, grips / handles, Step rails, exhaust / stack components, bumpers, gear shift plates, air cleaner Canister, front grill and manufacturing equipment.
2. Size(Fastener/Socket/Torque):



Fastener	Socket	Torque
8 mm	12 mm	9 Nm
10 mm	14 mm	17 Nm
12 mm	16 mm	27 Nm
13 mm	17 mm	45 Nm
15 mm	19 mm	50 Nm
17 mm	22 mm	79 Nm

AT10002 Hose Clamp Removal Tool

1. Universally designed for the loosening / opening of HENN clamp ps as found on coolant hoses / charge air hoses in passenger cars.
2. Suitable for VW-Audi, Seat, Skoda, BMW, Peugeot, Citroën, Dacia, Fiat, Ford, Kia, Lexus, Mazda, Mercedes, Nissan, Opel/Vauxhall, Porsche, Renault, Toyota, Volvo etc.

**AT10003 Instrument Cluster Tools**

1. For safely removing the airbag module from the steering wheel.
2. Suitable for Land Rover Discovery 3-4, Freelander 2 and Range Rover Sport.
3. Land Rover OEM Tool: 501-106.
4. Also used across the VAG ranges as a trim, door handle, A/C vent, clock removal, fuel tank flap removal/release tool.
5. VAG OEM Tool: T40207.



AT1987 Topping Up Engine Oil

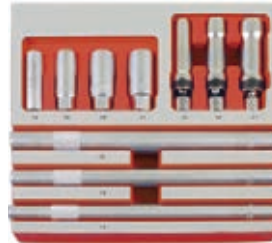
1. Topping-up funnel with sealing connection
2. Capacity approx. 2 liter
3. Type: BMW 6 and 8 cylinders 1996-Newer;
Dodge Sprinter; Mercedes 112 & 113 engines;
VW & Audi 1.8T, 1.9L TDI, 2.0T, 2.8L(30v), 3.0L(30v),
3.2L, 3.6L, 4.2L(40v) engines; Volvo 2.5T engines.

**AT1977 Flywheel Locking Tool - Hyundai/Kia**

1. Introduction: Flywheel locking tool for Hyundai & Kia petrol engines from 2007 to 2018. Used to lock the flywheel via the starter motor aperture.
2. OEM No.: 09231-2B100
3. **Application:**
Accent, Elantra, i10, i20, i30, i40, ix20, ix35, Santa fe, Tiburon, Tuscon, Veloster
Kia applications from 2007 include: Carens, Cee d, Optima, Picanto, Pro-Cee'd, Rio, Sedona, Sorento, Soul, Sportage, Venga
4. Engine codes include: 1.0 G3LA, GELC 1.2, G4LA 1.4, G4LC, G4FA 1.6, G4FC, G4FD, G4FJ 2.0 G4KD, G4KF, G4NC, G4NA, G4ND, G4NE 2.4, G4KE, G4KJ 2.7 G6BA

**AT10004 3/8"Dr. x 10pcs Spark Plug Socket Set****Contents:**

- 4 - 3/8" x 63mm(L) x 12pt Spark plug socket with rubber 14, 16, 18, 21mm
 - 3 - 3/8" x 100mm(L) x 12pt Uj-type Spark plug socket with rubber 14, 16, 21mm
 - 3/8" x 250mm(L) x 12pt Extra long Spark plug socket with rubber 14, 16, 18mm
- Cr-V steel, Matt Chrome Plated

**AT1991 Injection Nut Repair Tool Set**

1. Threaded insert repair kit for Mercedes CDI engine Injector clamping bolt.
2. Enables a broken stud repair to be carried out with minimal dismantling.
3. **Contents:**
M8 x 1mm Tap, 7mm/8mm Stepped Drill, 6mm Drill, Drill Guide, Thread Insert Fitting Tool, M8 x 1mm Threaded Inserts (x5).
4. Thread inserts available separately in packs of five.



AT1994 Spark Plug Puller - Ford**1. Feature:**

Special design is used to remove Ford's unique three piece spark plugs that commonly break upon removal.

2. Application:

2004-2008 Ford 4.6, 5.4 & 6.8 3V engines that have spark plugs that are M16 x 1.5.

3. Broken Spark Plug Remover for Ford Triton 3 Valve Engines.

4. Suitable For Ford .

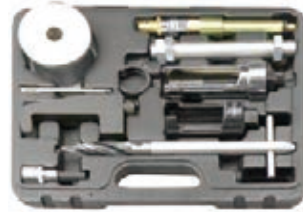
**AT10005 Injector nozzle Tool Set, Mercedes CDI**

1. Applicable to Mercedes CDI engines OM 611, 612, 613, 628, 646*, 647, 648 etc.

(*not suitable for 646 EVO)

2. The injector nozzle puller with slide hammer is designed for the removal of injection nozzles which are only slightly seized in place without having to dismantle them. The injector nozzle puller with pull spindle enables the removal of very tight-fitting or stuck injector nozzles to be performed directly on the vehicle. It is not necessary to remove the cylinder head from the vehicle using either of the pullers. The cleaning tool allows the injection nozzle mounting hole, the nozzle seat, and the small aperture leading to the combustion chamber to be cleaned in a single operation. By screwing the compressed air adapter into the glow plug bore and injecting air into the combustion chamber, impurities are prevented from entering the latter.

3. The screw tap with drill bit is used for re cutting and cleaning the tapped hole for the nozzle holder. This procedure is important before re-installing the injector nozzle.

**AT10006 Oetiker Collar Pliers**

1. For medium-size closed and open collars.

2. The double setting of the reaction bar allows pre-tensioning and then definite clamping. a mechanical lock avoids any damage to the collar at the end of the operation.

3. The pivot geometry allows minimum clamping effort.

**AT8195A 1/2"SQ DR. Stud Extractor Set**

1. Function: screw without head screw up, pull up

2. Advantage:

- Quick function
- NO damage to stud

3. Ways in use:

Put stud puller wrench on screw, then handle on it, turn it up or down.

4. Size: 2.5mm, 3mm, 3.5mm, 4mm



AT10008 Deep Counter-weighted Crank Bolt Socket Set

1. Deep counter-weighted sockets to add more torque to break loose stubborn crank bolts specifically.
2. The set includes 17mm, 19mm, 21mm.
3. Applications:
 - 17mm: Honda engines
 - 19mm: Hnada engines
 - 21mm: Chevy, Chrysler, Dodge, Ford, GM, Jeep and Mazda engines

**AT10009 Automotive C-Frame Socket Press**

1. The automotive press can be used for a number of different removal and installation jobs on various driveline and non-driveline related parts.
2. Any socket with 1/4", 3/8" or 1/2" drive can be used in any combination for the use on virtually all cars ATV/UTV/SxS, light-duty trucks and farm machinery.
3. There are also flat anvils which can be installed into either side of the press for general clamping/pressing.

**AT10010 Diesel Filter Wrench (VW / Volvo)**

1. Special designed to remove and install the fuel filter on VW/ Volvo diesel engine.
2. Suitable for VW Crafter 5-cyl. Diesel engine from 2006
3. Suitable for Volvo C30, C70, S40, S60, S80, V50, N60, V70, XC60, XC70, XC90
4. OEM Ref. VW T50011/ Volvo 9997084
5. 1/2" Dr.

**AT10011 Fuel Tank Locking Ring Tool**

1. This tool is designed to remove and install the fuel tank locking ring.
2. Suitable for Audi, BMW, Chevrolet, Chrysler, Fiat, Ford, GM, Hyundai, Jaguar, Kia, Land Rover, Mercedes, Nissan, Opel, Vauxhall, Volvo and VW vehicles, etc.

**AT10012 Special Socket For Air Intake Hose Clamp**

1. For removal replacement or tightening the safety clamp in the intake area, near the throttle flap.
2. Suitable for H4Bt 0.9L petrol turbo engine form 2012:
 - Smart Fortwo / Smart Forfour/ Renault Twingo / Renault Clio/ Renault Captur / Dacia Sandero/ Dacia Logan / Nissan Micra



AT10013 19mm Ford Flow Sensor Socket

1. The inner hex walls of the socket are machined extra-deep for clearance Clears the sensor connection bracket for easy removal of the Ford Fuel/Temp. flow sensor
2. Thin-wall design 1/2" Dr.
3. Application: 2010-2017 Ford Transit Connect

**AT10031 Renault Inlet Socket**

1. 10mm (across points), 8 point internal castellated socket.
2. 1/4" drive; length: 50mm; O/D: 14.5mm.
3. Specially designed for the removal of the inlet tract housing bolts on the R9M 1.6 turbo diesel engines.

**AT10032 Caliper Hanger Set**

1. Not only are these great for holding calipers out of the way and preventing damage to brake hoses.
2. Material: Iron

**AT10033 Petrol Engine Timing Checking Gauge PSA, 1.0/1.2-Belt Drive**

Specification

1. Suitable for PSA Group belt in oil engines.
2. Fast and accurate way to check for belt degradation.
3. PSA original number: 16 431 900 80

**AT0040 Flywheel Locking Tool for VW and Audi 1.9 TDI Engine**

1. For locking the flywheel on VW / Skoda / Seat vehicles with the 1.9L Diesel.
2. Locks from the top of the transmission, drops into the "8" shaped inspection hole.

**CN4040 Heavy Duty Hydraulic Valve Lifter Remover**

1. Knurled handle for safe grasp.
2. Specially designed slip hammer easily tight firm or stuck lifters.
3. Collet expands to firm grasp hydraulic valve lifter consenting for easy removal.

**CN0045 64/14 Filter Removal Tool**

1. Size: 1/2" dr. / SW 63-64MM
2. Point: P-14
3. Suitable for Toyota



CN0065 Fuel Filter Removal Kit - Vauxhall / Opel

1. Fits Chevrolet, Citroen, Fiat, Peugeot, Saab and Suzuki.
2. Prevents damage to the housing assembly.

**AT10044 AdBlue Tank Cap Remover (PSA group)**

1. For use with 3/8" D or 17mm spanner
2. AdBlue® tank cap remover for Peugeot and Citroën vehicles.
3. Citroën applications: Berlingo, C3, C3 Picasso, C4 Cactus, C4 Picasso, C4 Grand Picasso, C5, DS3, DS3 Cabriolet, Jumpy.
4. Peugeot applications: 208, 301, 308, 308SW, 508, 508SW, 2008, Expert, Partner, Rifter, Traveller.

**AT10042 Axle Shaft Puller**

1. Base that bolts onto two studs while straddling an additional two, for solid, positive locating.
2. Fully adjustable pulling arms and stud adapters are quick and easy to install. Includes most common 5/8" – 18 Axle Stud Adapter Set; additional adapter sets also available.
3. Reduces the risk of damage to axle studs.
4. Application: Works on all medium to heavy-duty Eaton and Rockwell drive axles.

**AT10036 15pcs-Seal Removal And Installation Tool**

1. A 15 piece kit for the removal and fitting of oil seals without damaging the replacement seal or housing.
 2. Content:
 - 8 adaptors, sizes (inner x outer):** 36 x 46mm, 38 x 48mm, 40 x 50mm, 40 x 52mm, 42 x 54mm, 44 x 56mm, 46 x 58mm, 48 x 60mm.
 - 2 spacer adaptors, sizes (L x dia):** 35 x 45mm, 65 x 45mm;
 - 2 screw threads:** M10 & M12, including washer and nut. Nut secured using 19mm socket or spanner (not included).
- 2 seal removers with different lengths and angles, ideal for removing seals in tight spaces.
Black phosphosphate finish

**AT10037 VAG Connector Release Tool**

1. The tool fits directly on the push & pull style VAG connector and gives just the perfect amount of leverage to release the connector and not break the tab.
2. This style connector is often found on mass air flow (MAF) sensor, coil packs, headlights/fog lights, level sensors, MAP sensors, and etc..



AT10038 BMW High Pressure Pump Tool

1. A special automotive tool to remove the diesel high pressure pump on BMW.
2. This is a standalone tool , and does not require an additional puller
3. Engines: N47 / N57
4. OEM: BMW 118740 / 118 740

**AT1234 Drain Plug Key Set 14pc, 3/8" Drive**

1. For draining differentials, sumps, axles and gearboxes on most modern vehicles
2. Includes:
 - Hex 8/9/10/12/14/17mm
 - Square 7/8/11/13mm & 3/8" & 5/16"
 - Female Square 10mm
 - Triangular

**AT1236 Drain Plug Key Set 18pc, 3/8" Drive**

1. For draining differentials, sumps, axles and gearboxes on most modern vehicles
2. Includes:
 - 6pc Hex 8/9/10/12/14/17mm
 - 9pc Square 7/8/10/11/12/13/14mm/5/16" & 3/8"
 - Female Square 10mm
 - Triangular 10mm
 - Spline M16 with tamper

**AT2580 Drain Plug Key Master Set-23pcs**

This master drain plug key set is applicable for almost vehicles in market.

- 6pcs Hex Socket: 13/14/17/18/19/21mm (Magnetic)
- 7pcs Hex Bits: H 8/9/10/12/13/14/17 (Magnetic)
- 6pcs Square Bits: S 8/9.5/10/10.5/11/13.1 (Magnetic)
- 1pc Star: T45 (Magnetic)
- 1pc Square Socket: 10mm (No Magnet)
- 1pc Triangle Bit: 10mm (No Magnet)
- 1pc XZN Temper Proof: M16 (No Magnet)

**AT8001 Drain Plug Thread Repair Set, 12pc**

Kit includes:

- 1 x Tap M14x1.5 / 1 x thread borer
- 5 x Threaded Plugs / 5 x Washers



AT8004 Drain Plug Thread Repair Set 64pc

1. Superb for repairing sump, gearbox and differential drain plug threads
2. Used to tap the damaged thread slightly oversize, then fit a new drain plug and washer
3. Suitable for the most popular threads used on cars and light commercial vehicles
4. Tap Sizes: M13x1.5P, M15x1.5P, M17x1.5P, M20x1.5P

**AT8004L Drain Plug Thread Repair Set 114pc**

1. Kit for repairing damaged or worn drain plug hole by enlarging the threads with taps provided and new (and bigger) drain plugs with copper washers
2. Suitable for car maintenance and repair
3. Tap Sizes:
M13x1.25P, M13x1.5P, M15x1.5P,
M17x1.5P, M20x1.5P, M22x1.5P

**AT1503 8 in 1 Drain Plug Wrench**

1. Drain plug wrench with 8 sizes on one tool
2. Sizes:
- Square 8mm / 10mm / 3/8" / 1/2"
- Hex 10mm / 12mm / 14mm / 17mm

**CN1062 DPF Fuel Vaporiser Wrench -FORD**

1. Super slim fit for access; 22mm across the flats, 6 point crows foot with 1/2" drive.
2. Applications include: Ford 1.6, 2.0 & 2.2L Duratorq TDCi engines from 2012 (EURO 6 engines).
3. Vaporiser failure is often indicated by ECU fault codes P244C or P26A1.

**CR1010 Clutch Alignment Tool Set (Universal)**

1. Align the clutch disc either relative to the clutch pressure plate or via the pilot bearing relative to the flywheel.
2. For single / two-disc clutches. (clutch hub 0 15 ~ 26 mm)
3. For passenger cars and light commercial vehicles.
4. For vehicles with / without pilot bearings.

**CR0018 M17 Bit Socket for Rear Axle**

1. Align the clutch disc either relative to the clutch pressure plate or via the pilot bearing relative to the flywheel.
2. For single / two-disc clutches. (clutch hub 0 15 ~ 26 mm)
3. For passenger cars and light commercial vehicles.
4. For vehicles with / without pilot bearings.



AT4126 Automatic Transmission Clutch Compressor (4 Pins)

1. Capacity: Clutch diameter from 64mm to 175mm.
2. Adjustable legs fit most cars and trucks for replacement of transmission rear clutch piston snap ring.

**CN1070 Injector Extractor with slide hammer set - for Bosch (5/8"-18)**

Designed to use with a slide hammer to safely and easily dismantle the Bosch solenoid valve diesel injector without disassembling the solenoid valve.

**CN1071 Extractor Specific For MERCEDES Injectors**

1. Specific for MERCEDES (C/E/S CLASS, VITO) INJ. Complete W/ SOCKET for dismounting the EL. Connection.
2. MERCEDES / BOSCH Injector Solution.
3. Extractor specific for MERCEDES injectors, complete with socket for dismounting the electrical connection.
4. Application MERCEDES range: Sprinter, Vito, Viano, Vario
5. Engines: CDI

**CR0015 C-Frame Socket Press Set (Pat.)****Features and Benefits:**

1. C-Frame Socket Press Set is designed for the Installation and removal of driveline and non-driveline parts. This set includes 1/4", 3/8", 1/2" and 3/4" drive socket adapters that can be arranged for an array of Installation/removal tasks on cars, Small trucks and utility vehicles. Configured with a 3.5" throat depth, this versatile tool will fit applications that require greater clearance. Wheel studs and even troublesome cardan joint rebuilds are no match for the Socket Press.
2. For the Installation and Removal of Driveline and Non-Driveline Parts
3. Any Socket with 1/4", 3/8", 1/2" and 3/4" Drive Can Be Used in Any Combination for Use on Virtually All Cars, ATV/UTV/SxS, Light Duty Trucks and Farm Machinery
4. Set Includes Flat Anvil Attachments for General Pressing Jobs
5. Durable Steel Frame Construction Tested at Loads Exceeding 2.5 Tons
6. Versatile 3.5" Throat Depth for Wider Cardan Joints
7. Forcing Screw: 6.5"
8. Drive: 1/4"Dr. 3/8"Dr. and 1/2"Dr. 3/4"Dr.



CR0016 Rear Axle Bearing Install/Remove Puller**Applications:**

Hilux pickups 1975-1995 Lexus GX 460 2010-2013
 4 Runner 1984-2013 Lexus GX 470 2003-2009
 Tacoma 1995-2016 Toyota Pre-Runner 2005-2013
 T-100 1993-1998 Tundra 2000-2016
 Sequoia 2001-2008
 Toyota Land Cruiser 1998-2008
 FJ 2007-2013
 Nissan Frontier 2005-2017
 Nissan Xterra 2015-2017
 Suzuki Equator 2009-2012

**CN1069 VAG Turbine Actuator Socket**

1. Size: 1/4" Dr. x 10 mm / 12 PT x 50 mm (Length).
2. Application: Golf 2009 > 4-cylinder diesel engine (2.0L).
3. VM number: T10422A

**CN4045 Multi-Valve Tool**

1. These tools are purpose to save time necessary when replacing valves in modern 16 – to 20 – valve heads.
2. **CN4045-E01:**
Large tool works on valves of 4-valve-per-cylinder heads (5.5 mm valve stem diameter or larger with under 40 lbs. seat pressure)

**CN4045-E02:**

Small tool works on valves of 4-and 5-valve-per-cylinder heads (5mm valve stem diameter or smaller)

CN4046 Piston Pin Tool

1. An essential tool for removing and installing piston pins.
2. It will not damage piston during operation.
3. Tool includes knurled aluminum handle, 9/16 hex lead screw and three left-handed adapter nuts.
4. **Applications:**
Piston sizes: 40mm (1-5/8") to 100mm (4")
Piston pin sizes: 12mm (1/2") to 25mm (1")
Including all single-cylinder engines from 50cc to 600 cc and all 2, 3, & 4-cylinder models.
5. **Warning:** Wear safety goggles to prevent eye injury when using it



CN3016 Pulsating Cooling System Flush Tool

1. Powerful flush cleans impurities in cooling system with a pulsating effect
2. Includes a conical adapter for fitting radiator filler necks
3. 5/8" and 1/2" heater hose barbs and a small conical adapter for flushing heater side
4. Connects to air compressor and garden hose for flushing the cooling system

**CN4047 Ford Valve Spring Compressor - 4.0L**

1. This tool is use for Ford valve spring compressor for 4.0 SOHC and some 4.6 V8's.
2. Spring compressor with detachable end to enable access in tight areas.
3. Ford p / n: T95T-6565-A OTC
Rotunda Part Number: 303-581

**CR0014 U-Joint Clip Installer**

1. Designed to install inner circlips on UTV and small vehicle U-Joints
2. Magnet holds clips securely in place during installation
3. Ultra-thin profile for easy clip installation.
4. V blade works with virtually all UTV U-Joints
5. Durable plastic handle with integrated steel strike plate
6. Hardened tool steel blade for durability

**CN1066 Air Chisel Extractor & Diesel Injector Set**

1. Air hammer extractor adaptor for the removal of diesel injectors/bushes.
2. Allows effective transmission of impact force and vibration to any adaptor with a 5/8" thread.
3. Offers an effective means of extraction of stuck injectors using relevant adaptor.
4. Designed to safely and easily dismantle the Bosch solenoid valve diesel injector without disassembling the solenoid valve.
5. For destruction-free dismantling of EGR / AGR valves
6. Applications include: PSA, Mercedes-Benz, BMW, Renault.
7. Suitable for Bosch solenoid valve diesel and Hyundai / KIA 2.0 & 2.2L diesel R engines installed in the Hyundai Tucson (as from 2009), ix35 (as from 2009), Santa Fe (as from 2009), Maxcruz (as from 2009) and KIA Sportage (R) (as from 2010), Sorento (R) (as from 2010), Carnival (as from 2010)



AT2000 Diesel Filter Socket (Ford Transit)

Special designed to remove and install the fuel filter on Ford EocBlue 2.0L TDCi diesel engine from 2016.
Size: 32mm x 1/2"D x Single Hex (6pt) profile.

**AT1597 Fuel Feed Pipe Pliers**

Special designed to remove and install the fuel filter on Ford EocBlue 2.0L TDCi diesel engine from 2016.
Size: 32mm x 1/2"D x Single Hex (6pt) profile.

**AT1612A Fuel Line Pliers**

1. Quick and easy fuel connector removal and replacement
2. Use on fuel filter connectors during replacement
3. Prevents fuel leakage from damaged fuel connectors

4. Applications:

Audi, GM, Mercedes including M- class, Toyota and VW models

**AT1701 Fuel Line Disconnect Pliers**

1. For undoing quick release connections on fuel feed pipe lines
2. For Opel/Vauxhall, Fiat, Volkswagen and PSA

**AT1382 Fuel & Injection Line Clamp & Stopper Kit**

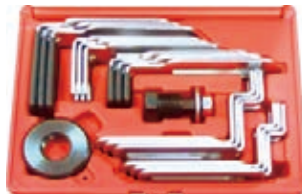
1. Use on all Fuel supply lines to stop the flow of fuel after disconnection
2. Use on flexible and solid fuel/ transmission/ brake lines
3. Pipe separator included
4. Extended clamp for flexible hoses

**AT1217 Fuel Tank Sender Wrench Set**

1. For removing and replacing the plastic retaining ring On the fuel tanks.
2. Select two or three jaws
3. For size: 75-160mm; 80-122mm; 110-170mm
4. Universal application of 24mm Driver.

**AT1218 Fuel Tank Cup Wrench**

1. Universal application of 24mm Driver.
2. For removing and replacing the Plastic Retaining Ring on the sender Unit on Fuel Tanks.
3. Include: 5 series of extension, that include for PSA and Renault models.
4. Range for: Min 70mm to Max 170mm



AT1970 Toyota/Lexus Fuel Tank Lid Wrench

1. Removes and installs Fuel Tank Lid
2. Suitable for Toyota & Lexus vehicles from 2004 & up
3. 9-slot design with 173 mm OD & 143mm ID
4. Use with 1/2" square drive tools

**AT1273** Fuel Tank Sender Wrench - 2 Leg, Ø110mm - 170mm

1. Removing and refitting fuel tank sender mounting rings
2. Used with 24mm spanner or socket
3. Capacity: Ø110mm-170mm

**AT1274** Fuel Tank Sender Wrench - 3 Leg, Ø75mm - 160mm

1. Removing and refitting fuel tank sender mounting rings
2. Used with 24mm spanner or socket
3. Capacity: Ø75mm-160mm

**AT1449** Fuel Filter Key 109mm, 8 Flute, 3/8" Drive

1. Removing and refitting the fuel filter cap when replacing the fuel cartridge
2. Avoid damage to components when working on fuel system
3. Applications: Citroen, Renault and Peugeot engines

**AT0611** Volvo Oil Filter Cup Wrench

1. Special wrench for VOLVO oil filter cover.
2. **Models:**
S60 XC / S60 V60 (2011-) / S80 (2007-) / S90 V90 (2017-) / V40 (2013-) / V40 XC / V60 XC / V70 (2008-) / V70, XC70 (2008-) / XC60 / XC70 (2008-) / XC90 (2016-)
3. **OEM:**9997499 Material: S45C

**AT1443** Fuel Filter Removal Kit - Vauxhall/Opel

1. Designed to remove the fuel filter on Vauxhall/Opel vehicles fitted with 1.9CDTi engines
2. Fit with some Alfa Romeo, Fiat and Saab 1.9JTD/TD vehicles
3. Filter housing fits into the plastic holder using a vice, so the key can be used to unscrew the housing cap without causing damage



AT1450 Fuel Filter Key 108mm/46 Flute 3/8" Drive

1. For removing and refitting the fuel filter cap when replacing the fuel cartridge.
2. Used to avoid damage to components when working on fuel system.
3. Applications: Citroen, Peugeot and Renault HDi Diesel Engines.

**AT1229 Diesel Injection System Priming Device**

1. Diesel Injection System Priming Device.
2. Essential for reintroduction of fuel into fuel pump following maintenance such as fitting of new diesel filter drainage of fuel tank.
3. Must be used whenever fuel system is disturbed.
4. Applications: Vauxhall; 2.0Di & 2.2Di

**AT1717 Oil Gauge/dipstick Audi**

1. Designed for measuring the oil levels on different Audi engines fitted with electronic oil level systems.
2. The tool also checks the oil levels in Audi A4/A5 6 cylinder petrol 3.2 1-4v engines.
3. Used to assist the calibration of the driver's instrument panel.
4. OEM Code: T40178

**AT1445 Mercedes Transmission Dipstick 4pc**

1. Transmission dipstick for checking the fluid level on Mercedes automatic transmissions, fitted to most Mercedes vehicles from 1996 to 2006.
2. The dipstick is a service tool, therefore must be removed after the fluid has been checked.
3. **AT1445-01** For Transmission Code: 722.6.
AT1445-02 For Transmission Code: 722.7, 722.8, 716.5.
AT1445-03 For Mercedes Motors: 103, 104, 111, 119, 120, 137, 603, 604, 605, 606, 611, 612, 613, 626, 913, 943, 963, 984, 985, 997.
AT1445-04 For Mercedes Motors: 112, 113, 646, 647, 648.

**AT1447 Audi 100 / A6 Transmission Dipstick**

For checking the Auto Transmission Fluid levels on Audi 100 vehicles.

**AT1526 Fuel Feed Pipe Pliers**

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



AT1744 Fuel Tank Drainer - 90ltr Stainless Steel

1. Stainless steel fuel drainer with venturi type suction
2. 90ltr Capacity tank for petrol or diesel
3. With suction tubes and adaptors for breaking into vehicle fuel system
4. CE Certified (971231EC)
5. Tank Capacity: 90ltr
6. Recommended Air Pressure:72-100psi
7. Air Consumption: 6cfm

**AT1745 Air Operated Fuel Tank Drainer - Stainless 40ltr**

1. Stainless steel fuel drainer with venturi type suction
2. 40ltr Capacity tank suitable for petrol or diesel
3. With suction tubes and adaptors
4. For breaking into vehicle fuel system
5. CE Certified (971231EC)
6. Air Operated Fuel Tank Drainer
7. Tank Capacity: 40ltr
8. Recommended Air Pressure: 72-100psi
9. Air Consumption: 6cfm

**AT1881 2pcs Oil Funnel W/new Adaptor**

1. Length: 320mmL
2. Material: PA6
3. Application:
VW, Audi, Seat, Skoda, Mercedes Benz, BMW,
TOYOTA, Mitsubishi, new VW Golf 7 & new Audi A3 2013

**AT1797 Oil Suction Syringe - 200 ml**

1. Transparent design to see fluid visually.
2. Suitable for fluid suction and supply in vehicle service.
3. Applications such as gear oil and differential fluid.
4. Composite plastic resists to brake fluid and antifreeze.
5. Weight: 0.294kg / Capacity: 200cc

**AT1798 Oil Suction Syringe - 1.5 L**

1. Transparent design to see fluid visually.
2. Suitable for fluid suction and supply in vehicle service.
3. Applications such as gear oil and differential fluid.
4. Composite plastic resists to brake fluid and antifreeze.
5. Weight: 0.9kg / Capacity: 1.5L



AT2152 Flexible Funnel

1. Resistant from Petroleum, Diesel, Engine Oil, Coolant, Hydraulic, Brake Fluid and Battery Acid.
2. Perfect for storage in service cart.
3. Flexible to be any shape and easy to clean.
 - AT2152A (Small): 4.75"x9" (12 x 22 cm)
 - AT2152B (Large): 6.5"x14.5" (16.5 x 36 cm)

**AT1410 Universal Coolant Filling Set**

1. Universal set for easy, efficient and mess free refilling during cooling system bleeding work
2. Includes five rubber seal adaptors (31, 35, 40, 42, 45mm) to suit most vehicles
3. Also includes one rubber tapered cone adaptor for variable applications and multi-purpose use
4. Built in shut off valve and special designed flow pipe system helps prevent air locks

**AT1363 Cooling System Filler - Japanese Vehicles**

1. Refill coolant during cooling system bleeding process Quicl, efficient and no mess.
2. Applications: Mitsubishi, Ford, Mazda, Honda, Toyota

**AT1364 Cooling System Filler - Korean Vehicles**

1. Refill coolant during cooling system bleeding process Quicl, efficient and no mess
2. Applications: Hyundai, Kia & Daewoo

**AT1920 Universal Oil Funnel**

1. Adjustable mouth clamp can fit 28mm-74mm (1.1in-2.9in) oil filter hole.
2. Clamp mouth can seat on oil filter hole perfectly without need holding by hand.
3. Funnel bottleneck is threaded to seat on clamp perfectly.
4. Transparent material in lower chamber for easy checking the oil passing.

**AT1921 Siphon Coolant Refill Kit - Spill Free Funnel**

1. Special Siphoned designed to avoid coolant splitting over from radiator.
2. Special siphoned designed to avoid bubble up from funnel.
3. 2 elbow adaptor and 1 extension adaptor will help you refill coolant at any positions
4. Caution: Never opening radiator cap when it is hot.



AT2505 Transmission ATF Fluid Filling Dispenser System 9.5L

Manual operated pump to fill fluid in transmission, differentials and transfer cases.

1. Viscosity Range: up to SAE 140
2. Output Capacity: 70 cc / cycle
3. Capacity of Tank: 9.5L
4. Adapting nozzle(8 units) for
 - A1: Ford 1/8 NPT
 - A2: Universal Nozzle (BMW, Honda, Nissan and ETC)
 - A3: VW, Audi
 - A4: VW, Audi, Porsche
 - A5: VW, Audi, Mini Cooper 10x1.0
 - A6: Benz 722.9 12x1.5
 - A7: VW, Audi DSG 24x1.5
 - A8: VW, Audi CVT 22x1.5

**AT2154 Transmission ATF Fluid Filling System 12L**

1. Includes 10 adapters to connect to Ford, Toyota, BMW, Honda, Nissan, VW, Audi, Mercedes and Volvo transmissions (also for Direct-Shift Gearbox.)
2. Large 3 gallon (12-liter) reservoir with integrated manual pump, pressure gauge, and pressure relief valve.
3. Fluid is dispensed under pressure for smooth continual flow.
4. Integrated manual pump adds air above the fluid level to prevent aeration.
5. 1500mm ROHS PVC filling hose with a quick coupling that can be connected with ATF refill adapter.

**AT1742 Engine Pre-Lube Pump System, 7.5 L**

1. Ensure oil is present to internal engine components on the first start of new or rebuilt engine, and when major engine work is performed.
2. Including engine adaptors
3. Capacity: 7.5 liter

**AT4089 Transmission & Engine Oil Filling System**

1. Manually operated oil dispensing unit manufactured from composite materials.
2. Large visual measurement will identify amount dispensed.
3. Supplied with a range of five automatic transmission fluid adaptors.
4. Delivers approximately 70ml per stroke.
5. Features a fluid control valve and adaptor stowage to minimise oil leakage when not in use.
6. Capacity: 7 L
7. Hose: 1500mm



AT4089-01 Transmission Oil Filler Adaptor Kit

1. For use in conjunction with Transmission Oil Filling System (Model No. OXAT4089)
2. Applications:
Mercedes M12 Thread: 722.9 Gearbox
VW/Audi M22 Thread: CVT (Continuously Variable Transmission)
VW/Audi M24 Thread: DSG(Direct-shift Gearbox)

**AT2158 Combo Fluid Extractor**

1. Uses both manual or air for operation
2. Venturi system design to provide excellent performance
3. Capacity : 9.50L
4. Maintenance free.

**AT2102 Dual Manual/Air Vacuum Oil & Fluid Extractor 9 Liter**

1. Uses manual pump or compressed air supply to generate vacuum.
2. Suitable for extraction of all types of engine, transmission and lubricating oils from cars, motorcycles, marine engines, stationary engines and industrial machinery.
3. Supplied with $\varnothing 6$ and $\varnothing 10$ mm suction probes and brake/clutch bleeding hose.
4. Capacity: 9 Liter
5. Suction Probes: $\varnothing 6 \times 1100$ mm, $\varnothing 10 \times 1100$ mm
6. Hose: $\varnothing 8 \times 1100$ mm
7. Air Supply: 90psi(5cfm)

**AT2103 Manual Vacuum Oil & Fluid Extractor 9 Litter**

1. Uses manual pump to generate vacuum.
2. Suitable for extraction of all types of engine, transmission and lubricating oils from cars, motorcycles, marine engines, stationary engines and industrial machinery.
3. Also suitable also for low viscosity fluids such as water.
4. Supplied with $\varnothing 6$ and $\varnothing 10$ mm suction probes and brake/clutch bleeding hose
5. Capacity: 9ltr
6. Suction Probes: $\varnothing 6 \times 1100$ mm, $\varnothing 10 \times 1100$ mm
7. Hose: $\varnothing 8 \times 1100$ mm

**AT2104 Vacuum Oil & Fluid Extractor Air Operated 9 Ltr**

1. Uses manual pump or compressed air supply to generate vacuum.
2. Suitable for extraction of all types of engine, transmission and lubricating oils from cars, motorcycles, marine engines, stationary engines and industrial machinery.
3. Supplied with $\varnothing 6$ and $\varnothing 10$ mm suction probes and brake/clutch bleeding hose.
4. Capacity: 9ltr
5. Suction Probes: $\varnothing 6 \times 1100$ mm, $\varnothing 10 \times 1100$ mm
6. Hose: $\varnothing 8 \times 1100$ mm
7. Air Supply: 90psi(5cfm)



AT2105 Vacuum Oil & Fluid Extractor Air Operated 5.5 ltr

1. Uses manual pump or compressed air supply to generate vacuum.
2. Suitable for the extraction of all types of engine, transmission and lubricating oils from cars, motorcycles, marine engines, stationary engines and industrial machinery.
3. Supplied with $\varnothing 6$ and $\varnothing 10$ mm suction probes and brake/clutch bleeding hose.
4. Capacity: 5.5ltr
5. Suction Probes: $\varnothing 6 \times 1100$ mm, $\varnothing 10 \times 1100$ mm
6. Hose: $\varnothing 8 \times 1100$ mm
7. Air Supply: 90psi(5cfm)

**AT1149 Oil Filter Pliers**

1. Forged pliers with chemically blackened finish
2. Serrated jaws and long handles for extra grip on oily filters
3. Features angled jaws, for use in confined engine bays
4. Dipped non-slip rubber grip handles for added comfort and control
5. AT1149-01 Capacity: $\varnothing 54$ -108mm
AT1149-02 Capacity: $\varnothing 85$ -115mm

**AT4137 Differential Filter Spanner 46mm**

1. For removing and refitting differential filters fitted to Audi TT and Volkswagen Four Motion Golf and Passsat models
2. Complete with 5mm Hex Key

**AT1498 Multi-Purpose Oil Filter Locking Pliers**

1. Capacity: 2-1/8" to 4-5/8"(53mm-118mm)range
2. Chrome vanadium steel
3. Drop forged jaws, heat-treated, nickel plated
4. Suitable for installing , removing and tightening objects of any shape
5. Locks onto the work with terrific grip

**AT1530 Swivel Jaw Filter Pliers $\varnothing 57$ -120mm**

1. Jaws swivel up to 90° to give access to awkwardly positioned oil and fuel filters.
2. Chemically blackened finish to prevent corrosion and non-slip grip for added comfort and control.



AT1513 Oil Pan Separator

1. Breaks seals on engine sumps, transmissions or any difficult to separate gasket
2. Blade material SK5 blade, width 48mm
3. Tool body material S45c
4. Insert the knurled handle into the separator and joint with hammer

**AT1624 Truck/Tractor HGV Oil Filter Pliers**

1. These Oil Filter Pliers range from 95mm to 178mm
2. Spring loaded with soft grip handles
3. Manufactured from forged medium carbon steel
4. AT1624-14 - 14" Oil Filter Pliers
AT1624-18 - 18" Oil Filter Pliers

**AT1496 Oil Filter Key with Handle Ø76 mm 12 Ribs**

1. For Oil Filter Key with \varnothing 76 mm and 12 Ribs.
2. Allows quick and easy removal of seized oil filters.

**AT1502 Band Type Oil Filter Wrench Ø112-145mm**

1. Band type filter wrench.
2. Steel strap with heavy-duty cast body and control knob.
3. Removes filters with minimal risk of damage.
4. Ideal for servicing newer vehicles or in case the filter needs to be refitted.
5. Capacity: \varnothing 112-145mm

**AT1832 BENZ Oil Filter Wrench 74mm**

1. New Style Mercedes Oil Wrench 74MM with points (inside flats-flutes).
2. Mercedes M102,M103 etc
3. Mercedes 102 ,103,104,111,112,113,119,120,611
4. Mercedes 190E2.3 1985-1993
5. Mercedes 190E2.6 1987-1993
6. Mercedes 260E 1987-1989
7. Mercedes 300CE 1988-1989
8. Mercedes 300E 2.6 11990-1992
9. Mercedes 300E 1986-1992
10. Mercedes 300E 4-Matic 1990-1993
11. Mercedes 300SEL 1988-1991
12. Mercedes 300TE Wagon 1988-1992
13. Mercedes 300TE 4-Matic Wagon 1990-1993
14. Other application:Audi, VW Golf,and new body Jetta, TDI(Disel) and the following gas vehicles; Passat,Golf and Jetta with 1.8 turbo and 2.0litre, Rabbit, Dasher Scirocco and New Beetle.



AT1833 Mercedes Dodge Jeep Oil Filter Wrench 84mm

1. 84mm *14 point*1/2" Drive socket specifically designed for removing the oil filter housing on various engines when changing the oil and oil filter
2. Application:
 - 2007 Dodge Sprinter
 - 2007 Mercedes Benz E320
 - 2007 Jeep Cherokee with 30.L V6 diesel engine

**AT1145 Oil Filter Wrench Claw Type**

1. Satin chrome finish steel construction with 3/8" & 1/2" Sq drive.
2. Suitable for use with a 21mm(13/16")spanner.
3. Claws grip filter tighter as more torque is applied to wrench.
4. Capacity: Ø65-110mm

**AT1146 Oil Filter Wrench Claw Type**

1. Satin finished carbon steel construction with 3/8" & 1/2" Sq drive.
2. Suitable also for use with a 21mm spanner.
3. Claws grip filter tighter as more torque is applied.
4. Capacity: Ø63-103mm

**AT1156 Three-Leg Oil Filter Wrench**

1. Range: 1 – 3/4" to 4–3/8"(45-111mm)
2. Removes all oil filters from 1-3/4" to 4-3/8" in diameter.
3. Use with 1/2" or 3/8" square drive tool.
4. Adaptor & spline material:CR-MO, chromeplated.
5. Leg material: carbon steel with heat treatment.

**CN0040 3 Jaw Oil Filter Instant Wrench (PATENT)**

1. Construct with spring and magnetic, easy to attach on filter and draw back itself.
2. Single way to release the oil filter
3. Nickel-Plated Finish & Phosphatizing Finish
4. For oil filter size diameter 60~93mm, fit most car spec. in the market.

**AT1575 Two Way Oil Filter Wrench**

1. Designed to install and remove the oil filter easily and quickly.
2. Use with 3/8" Drive or 17mm wrench.
3. Two Way Oil Filter Wrench
 - AT1575-01 Range: 60-80mm
 - AT1575-02 Range: 80-115mm



AT1143 Oil Filter Band Wrench - Stainless Steel

1. Stainless steel band wrench with 180° pivoting handle suitable for filters with limited access.
2. Swivel action tightens band on filter automatically.
3. Features comfort grip handle.
4. AT1143-01- Capacity: \varnothing 60-76mm
AT1143-02- Capacity: \varnothing 73-85mm
AT1143-03- Capacity: \varnothing 85-99mm
AT1143-04- Capacity: \varnothing 95-111mm

**AT1342 Oil Filter Band Wrench**

1. Articulated filter wrench suitable for filters with limited access.
2. Swivel action tightens band on filter automatically.
3. PVC dipped handle.
4. AT1342-01 Capacity: \varnothing 60-73mm
AT1342-02 Capacity: \varnothing 73-85mm
AT1342-03 Capacity: \varnothing 85-95mm
AT1342-04 Capacity: \varnothing 95-111mm
AT1342-05 Capacity: \varnothing 110-120mm
AT1342-06 Capacity: \varnothing 120-134mm

**AT1139 Oil Filter Strap Wrench 1/2" Drive**

1. Square section satin finish steel body with 1/2" drive.
2. Body may be shortened by sawing, for jobs with tight access.
3. 50mm Nylon webbing strap.
4. Use with ratchet wrench
5. Capacity: \varnothing 150mm

**AT1140 Oil Filter Strap Wrench**

1. Satin finish cast steel body with 3/8" and 1/2" Sq drives.
2. Designed for use with ratchet wrench, also be used with a 21mm(13/16") spanner.
3. Extra wide nylon webbing strap.
4. Capacity: \varnothing 300mm

**AT1590 Oil Filter Chain Wrench**

1. Drop-forged Chrome Vanadium steel body with satin finish and hanging hole.
2. Capacity: \varnothing 30-160mm

**AT1591 Heavy-Duty Oil Filter Chain Wrench**

1. Extended-pin chain and twin-claw body for positive and reliable chain retention.
2. Drop-forged steel body with satin finish and hanging hole.
3. Capacity: \varnothing 60-140mm



AT1614 Oil Filter Wrench - Strap Type

1. Heavy duty strap filter wrench for removing oil filters
2. Self adjusting
3. Gives access in awkward areas
4. Ergonomic handle
5. Capacity: $\Phi 60$ -260mm

**AT1718 Heavy-Duty Oil Filter Chain Wrench**

1. A heavy-duty chain wrench available for most type of oil filters.
2. Flexible handle for narrow space
3. AT1718A-Capacity: $\Phi 60$ mm- $\Phi 105$ mm Length of Chain: 350mm
AT1718B-Capacity: $\Phi 60$ mm- $\Phi 160$ mm Length of Chain 500mm

**AT1613 Oil Filter Chain Wrench 1/2" Drive**

1. Satin finished carbon steel body with 1/2" square drive for use with ratchet wrenches.
2. May also be used with a 20mm spanner.
3. Capacity: $<\Phi 135$ mm

**AT2802 VAG Fuel Filter Cap Installation Tool**

1. Special designed pattern press pad allowing for direct mounting of fuel filter caps on fuel filters on UFI filters and some MANN+HUMMEL with bigger flange for VAG.
2. Applications: VW-Audi, Seat and Škoda Diesel vehicles with UFI fuel filter unit.

**AT1014 Oil Filter Cap Wrench Set 7pc, 6 Point**

1. Cap type filter wrenches with satin chrome finish.
2. Low profile design for removing paper cartridge style oil filters commonly
3. Fitted to Vauxhall/Opel Vectra, Mercedes and VW.
4. Use with 3/8" or 1/2" drive wrenches.
5. **Contents:**
24mm, 27mm, 30mm, 32.5mm, 36mm, 38mm
6. Adaptor: 3/8" Drive(M)x 1/2" Drive(F)

**AT1104 Oil Filter Cap Wrench Set 15pcs**

Contents & Sizes:

- | | |
|----------------------------|-------------------------|
| 1- 65mm x 14 Flute | / 1- 65/67mm x 14 Flute |
| 1- 68mm x 14 Flute | / 1- 73mm x 14 Flute |
| 1- 74/76mm x 15 Flute | / 1- 75/77mm x 15 Flute |
| 1- 76mm x 14 Flute | / 1- 76mm x 30 Flute |
| 1- 80mm x 15 Flute | / 1- 80/82mm x 15 Flute |
| 1- 90mm x 15 Flute | / 1- 93mm x 15 Flute |
| 1- 93mm x 36 Flute | / 1- 100mm x 15 Flute |
| 1- Adaptor 3/8" M x 1/2" F | |



AT1199 Oil Filter Wrench Set - Renault

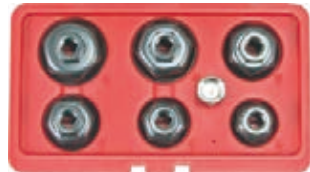
1. Cup style oil filter set compiled for Renault dCi engines.
2. For Renault 1.5 / 1.9 / 2.2 / 2.5 engines.
3. Sizes:
27mm x 6 flutes; 76mm x 12 flutes; 96mm x 18 flutes.
4. Use on Vauxhall/Opel and Nissan models.

**AT1321 Low Profile Oil Filter Socket Set 3/8" Drive**

1. Low profile design enables use on cartridge style filters
2. Made from Chrome Vanadium
3. Application:
BMW Mini / BMW / Mercedes-Benz A Class /
Vauxhall Vectra2.0 / Astra-G / Corsa-B / Zafira / Ford /
Volkswagen VR6 / Audi
4. AT1321-01- Includes sizes 27-32-36mm
AT1321-02 4pc set- Includes sizes 27-32-36 & 38mm
AT1321-03 5pc set- Includes sizes 24-27-32-36 & 38mm
AT1321-04 6pc set- Includes sizes 24-27-29-32-38mm
AT1321-05 7pc set- Includes sizes 24-27-29-30-32-38mm

**AT1307 7PC Oil Filter Cup Wrench Set**

1. Cap type filter wrenches with satin chrome finish
2. Use with 3/8" Sq dr. wrenches
3. Low profile design for removing paper cartridge style oil filters commonly fitted to vehicles including Vauxhall/ Opel Vectra, Mercedes and VW
4. Supplied in storage case
5. Includes 24mm, 27mm, 30mm, 32mm, 36mm, 38mm cups with 6 flutes

**AT1208 Oil Filter Cap Wrench Set 13pcs**

1. Size & Applications:
 - 1- 66mm x 6 flute Fiat / Renault
 - 1- 76mm x 8 flute Fiat / Lancia
 - 1- 76mm x 12 flute Fiat / Renault
 - 1- 86mm x 16 flute Volvo
 - 1- 86mm x 18 flute Audi / Renault / VW
 - 1- 92mm x 10 flute Fiat / Lancia / Volvo
 - 1- 93mm x 45 flute Audi / VW
 - 1- 96mm x 18 flute Audi / Renault
 - 1- 106mm x 15 flute Fiat
 - 1- 108mm x 18 flute Renault
2. Includes:
 - 1/2"(F) x 3/8"(M) adap tor
 - 3 legged oil filter tool
 - 11 Filter Cap Wrenches



AT1250 Oil Filter Cap Wrench Set 9pc, 1/2" Drive

1. For loosening and tightening oil filter, petrol filter and air filter housing whilst changing oil
2. Includes strap wrench and 21mm cup wrench
3. **Applications:**

Fiat; Ducato 2.5D/TD, Iveco,MAN; L2000, F2000, TGA, Mercedes; Actros BR500, Atego

4. **Contents:**

36mm x 6 flutes, 76mm x 14flutes, 106mm x 15 flutes, 170mm x 15 flutes, 108mm x 15 flutes, 108mm x 18 flutes, 135mm x 18 flutes, 21mm Cup Wrench, Strap Wrench: Ø160mm

**AT1256 Oil Filter Cap Wrench Set 30pc**

1. Designed to grip like sockets, thereby minimising the possibility of crushed filters
2. Includes adjustable oil filter wrench
3. Adaptor allows use with 3/8" or 1/2" drive wrenches
4. Claw Wrench: O65-120mm
5. Adaptor 3/8"Dr. x 1/2Dr
6. **Applications:**

Alfa Romeo, VW/Audi, BMW,Daihatsu, Fiat, Ford, GM, Honda, Lancia, Lexus, Mazda, Mercedes,Benz, Mitsubishi, Nissan, Opel, Renault, Porsche, etc.

Size	Flutes	Steps	Size	Flutes	Steps
66mm	6	1	80-82mm	15	2
65mm	14	1	86mm	16	1
65-67mm	14	2	86mm	18	1
68mm	14	7	90mm	15	1
73mm	14	1	92mm	10	1
74mm	15	1	93mm	15	1
74-76mm	15	2	93mm	36	1
75-77mm	15	2	93mm	45	1
76mm	12	1	95mm	15	1
76mm	14	1	96mm	18	1
76mm	30	1	100mm	15	1
76mm	8	1	106mm	15	1
78mm	15	1	108mm	15	1
80mm	15	1	108mm	18	1

**AT1799 Aluminum Oil Filter Cap Wrench 24pc**

1. Light weight for durable of 1/2" Square or H27mm Hex wrench.

2.

Size	Qty	Size	Qty	Size	Qty
SW64mm	14P	SW67mm	14P	SW74mm	14P
SW75mm	15P	SW74mm	8P	SW74mm	15P
SW73mm	14P	SM73mm	30P	SM79mm	15P
SM73mm	15P	SM84mm	18P	SM89mm	15P
SM91mm	15P	SM92mm	15P	SM95mm	15P
SM91mm	12P	SM76mm	12P	SM79mm	15P
SM86mm	14P	SM91mm	15P	SM101mm	15P



AT1320-46 Oil Filter Socket 46mm

1. Suitable for the operation of the filter housing cap when replacing the ad blue filter on Mercedes-Benz commercial vehicles with blue TEC engines
2. Applications: Actros; Atego; Axor; Eonic

**AT1341 Oil Filter Wrench Toyota 3/8" Drive 64.5mm**

1. An Oil Filter Wrench suitable for use on Toyota | Lexus 3.5L V6 Engines
2. Designed for use on Toyota (07-08) 3.5L V6 and Lexus GS300 (06-) IS250(2006-) IS350(2006-) ES350(2007-) GS350(2007-) GS450H(2007-) LS460(2007-)RX350(2007-) LS600H(2008-)
3. Removes filters without damage to the filter housing
4. Oil Filter Wrench Size: 64.5mm x 14 flutes

**AT1490 Oil Filter Socket Key 1/2" Drive - VW/Audi**

1. Oil filter wrench key suitable for VAG diesel engines.
2. 42mm diameter.
3. Ideal for use where space is restricted.
4. For diesel engines fitted with Mann Mahle and Knecht filters.

**AT1491 Oil Filter Remover 3/8" Drive - VAG**

1. Specially designed for use on VAG 10 cylinder diesel engines
2. Suitable for the Touareg and Phaeton
3. Size: 97mm x 9 Flutes
4. Can also be used with 32mm spanner

**AT1713 Oil Filter Wrench 3/8" Drive - Toyota**

1. Manufactured from aluminium
2. 3/8"D or 24mm spanner
3. Fits most new models fitted with 1800cc and 200cc engines including Prius and Corolla
4. 14 flutes x 64.5mm with 6 slots
5. Features 6 slot design specific to Toyota filters

**AT1494-03 Oil Filter Wrench 74mm x 14 flutes**

1. An 74mm x 14 flutes aluminium filter wrench in 1/2" drive
2. Use on Audi/BMW/Citroën/Fiat/Ford/Lancia/Mazda/Nissan/ Peugeot/Mercedes-Benz/Renault/Suzuki/Toyota/Vauxhall/Opel and Volkswagen



AT8011 Oil Sump Repair Kit 7pc

Kit for repairing damaged, stripped, or worn drain plug hole by enlarging the threads with taps provided and new (and bigger) drain plugs with copper washers.

Item No.	Tp Size	Item No.	Tp Size
AT8011-01	M13x1.25P	AT8011-04	M17x1.5P
AT8011-02	M13x1.5P	AT8011-05	M20x1.5P
AT8011-03	M15x1.5P	AT8011-06	M22x1.5P

**AT1506 Oil Drain Plug Wrench- 10mmx10mm**

1. For the oil filler and oil drain plug gearbox, differential, oil pan on various French passenger cars.
2. Length: 280mm
3. Sizes: M10 Spline Female - 10mm Square Male

**AT1507 Oil Drain Plug Wrench- 8mmx10mm**

1. For the oil filler and oil drain plug gearbox, differential, oil pan on various French passenger cars.
2. Length: 220mm
3. Sizes: 8mm - 10mm Square Male

**AT1508 Oil Drain Plug Wrench- 12mmx10mm**

1. For the oil filler and oil drain plug gearbox, differential, oil pan on various French passenger cars.
2. Length: 215mm
3. Sizes: 12mm Hex Male - 10mm Square Male

**CN0047 Plastic oil drain plug tool set**

- A. For FORD 2.0 TDCi; PSA 2.0 HDi; OPEL; VAUXHALL 2.0D; Toyota 2.0D; Ford; Lincoln
- B. For Mercedes
- C. For BMW
- D. For Ford; Lincoln
- E. For PACCAR MX-11; MX-13; MAN D3876
- F. For VAG 1.8, 2.0 TSI/ TFSI; 1.6, 2.0 TDI; PORSCHE Type 991 / Type 95B

**AT8107 Replaceable Oil Pan Separator And Cleaning Set (21 Pcs)**

1. Tool for separating old sealant on oil pan and clean surface
2. High quality SK-5 blade provides satisfactory sealant separation
3. Can also use on cylinder head cover, transmission pan, differential covers and other sealant joints in vehicles
4. Includes a bronze blade as a replacement. Ideal for aluminum alloy oil pan as it avoids damages on pan surface
5. Provided with 3M cleaning pads (15 pcs) for cleaning pan surface



AT1633 Oil Filter Drain Tube for VAG FSI

1. Designed to attach to the oil filter housing on VAG FSI petrol engines.
2. Allows the filter housing to be drained before removal, preventing spillage.
3. Conjunction with a suitable oil drainer.
4. Tube Length: 500mm

**AT1635 Oil Filter Drain Tube & Bottle - VAG FSI**

1. Designed to attach to the oil filter housing on VAG FSI petrol engines.
2. Allows the filter housing to be drained before removal preventing spillage.
3. Features a control valve fitted to the bottle and hanging chain.
4. Capacity: 1ltr

**AT2174 9L Manual Fluid Dispenser**

1. Included:
 - 8PCS ATF adaptor set
 - 1 PC * 5/16"*2*600mm PVC hose
 - 1 PC * 3/8"*2*1500L hose (attach to bottle)
2. Capacity: 5L

**AT2182 Residual Fluid Collector**

1. Designed to collect residual fluid from oil bottle, filters etc.
2. The unit can be placed on the working table or installed on the wall.
3. Isolated bottle to collect fluid and prevent from spillage and contamination.
4. Easy, simple and keeps working environment clean.
5. Dimension: 174 x 197 x 486.6mm
6. Capacity: 2L

**AT2178 Topping Up Engine Oil Set****Contents:**

- M37 - Lexus,Toyota,Scion&Pontiac Vibe Models (except Toyota Prius&Yaris)
 - M42 - Subaru(except Tribeca)
 - M32 - Dodge Cummins turbo Diesel Truck&Neon; Ford Turbo- Diesel 6.0,6.4,6.9&7.3; Honda Accord, Civic, Element, Fit, NSX&S2000; All Acura Models (expect MDX&RDX);Fit Most Nissan Models & some Jaguar Modesls.
 - M35 – Mazda
- Adapter with bayonet fitting – Audi ,BMW,Dodge,Mercedes, Volvo and VW vehicles.
 Angled extension – Aluminium Angled
 Topping-up funnel - Capacity approx. 1 litre



AT2179 Oil Drain Set Mercedes 9G

1. For 9G Tronic transmission 725 on Mercedes Benz
2. Applications:
E350 Bluetec from 2013 and CLS models from 2014
For 9G Tronic (725589029000, 725589009000) gearboxes

**AT2183 Fuel Return Line Tool (VAG TDI - CR)**

1. Designed for professional removal/installation of the fuel return line push-fit connector (round type) at the injectors.
2. Suitable for VW, Audi, Skoda, Seat 2.0, 2.7 and 3.0 TDI common rail diesel engine.

**AT2188 Fluid Extractor Set**

1. Manual type vacuum creator for extracting engine oil (and ATF, coolant...etc)
2. Tank capacity 6 liter / 1.5 gallon
3. Tank base for feet to step on to stabilize the tank while pumping
4. Transparent hose makes it easier for mechanics to check extracted engine oil quality
5. Conical pour spout for spill-free waste oil discharge

**AT2188A 6L Air Powered Fluid Extractor Set**

1. Designed for extracting engine oil, brake fluid, coolant, and ATF 6 liter / 1.5 gallon tank capacity suitable for most fluids in a car
2. High quality translucent tube for inserting into dipstick tube
3. Provided with a brake bleeder valve adapter for fast brake fluid extraction
4. Special anti-dripping device to prevent unsafe oil dripping on the working floor

**AT2188B 6L Air Powered Brake Extractor Set**

1. Insert a suitable-sized box wrench onto the brake bleeder valve on wheel cylinder.
2. Connect the brake bleeder valve adapter to the brake bleeder valve.
3. Connect the tank to air compressor.
4. Turn on the air valve and brake fluid will be extracted accordingly.
5. Turn off the air valve when extracted brake fluid becomes lighter in color, which indicates that the brake fluid is no longer the old brake fluid.



AT2191 Teflon Oil Seal Tool

1. For damage-free and professional assembly and disassembly of Simmerrings and shaft seals.
2. For precise use on motor shafts such as crankshaft, camshaft or intermediate shaft universally applicable for radial sealing rings in the diameters from 23.0 to 35.0 mm.

**AT10007 Oil Filter Offset Wrench**

1. Size: 74.5mm / 15 PT
2. **Application:**
Ford 1.5 and 1.6 EcoBoost
C-MAX II, Mondeo IV, Focus III, Mondeo V, Galaxy III,
S-MAX II, Kuga II, Transit Connect II

**AT10007A Oil Filter Offset Wrench**

1. Low profile design with offset drive.
2. Special design for tight confined areas.
3. For oil filters where access is limited.
4. 74mm/14grooves & rounded surface
5. **Application:**
Ford 1.0/2.0/2.3 EcoBoost
B-Max, Kuga II, C-Max II, Mondeo IV/V, EcoSport, Mustang
Fiesta VI/VII/VIII, S-Max I/II, Focus III/IV, Transit Connect II, Galaxy II/III, Transit Courier

**CN1064 Fuel Filter Wrench Diesel - Hyundai / Kia**

1. The wrench is designed specifically to service the diesel fuel filter.
2. Hyundai/KIA 2.0 - 2.2L CRDi engines.
3. Applicable:
Hyundai: Santa Fe (TM) 2018~, Palisade 2018~.
KIA: Sorento (UM) 2018~1/2" Square Drive.

**AT2804 Offset Filter Wrench 7PCS**

- Use on oil and fuel filter canisters when replacing the element.
- 24mm: for Cadillac and some BMW
 - 25mm: for Fleet guard Filter on Motorhomes, Buses, and some Medium Size Trucks with Cummins Engine Also Some K&N Filters
 - 27mm: for 2003 and later Mercedes 1.8L, smart and some VW
 - 28mm: for 2010-2018 6.7L Dodge Cummins Fuel Filter Canister
 - 29mm: (1-1/8") for Dodge Cummins Fuel Filter Housing
 - 32mm: (1-1/4") for GM Ecotec 2.0L, 2.2L, 2.4 for Cylinder Oil Filter Housing Some Saturn and Saab
 - 36mm: for Ford 6.0L Diesel Fuel and OIL Filter Housings Mini Cooper and some BMW Oil Filter Housings and Mack Truck Oil Filter Housing



CN0066 Hyundai & Kia U3 Diesel Oil Filter Wrench

1. Dr. 1/2, 14 POINTS, 80mm
2. For removing and installing fuel filters.

3. Application:

- Hyundai applications include:
Kona (from 2018), Tuscon (from 2018), i30 (from 2019), i40 (from 2018).
- Kia applications include: Ceed (from 2018), Optima (from 2018), Sportage (from 2018), ProCeed (from 2019), Stonic (from 2018).

**CN0067 19PCS Oil Filter Cap Wrench Set-For Cartridge Type Filter**

- Size:87mm / point: P-16 for Volvo
 Size:63-64mm / point: P-14 for Toyota
 Size:74mm / point: P-14 for Mercedes-Benz
 Size:64.5mm / point: P-14 for Lexus
 Size:64.5mm / point: P-14 for Toyota
 Size:84mm / point: P-14 for 2007 Dodge Sprinter/2007 Mercedes-Benz E320/2007 Jeep Cherokee With 3.0L V6 Common Rail diesel engines.



- Size:67mm / point: P-14 for Ford,Mazda
 Size:79mm / point: P-15 for Toyota,Honda,Mitsubishi,Subaru,Mazda, Isuzu
 Size:92mm / point: P-15 for Nissan,Subaru
 Size:94.5mm / point: P-15 for Nissan,Toyota
 Size:100.5mm / point: P-15 for Mazda,Mitsubishi
 Size:24mm / for BMW 2004 and newer5,7 series and X5 with V8 motor(N62) / Saturn 2008 Astra with 1.8L eco-tec Chrysler 2011 after with 3.6L V6 engine, 200,300 and T/C Dodge Jeep
 Size:27mm / for Mercedes A class, Fiat 500,PSA, Renault
 Size:30mm / for Audi A2/VW Polo,Lupo with 1.4L or 1.6L engine
 Size:32.5mm / for Opel Astra G, Corsa B, Zafira; Audi;VW
 Size:36mm / for Opel Omega, Vectra B, Zafira(98 on); BMW M43/60, Mini Cooper, Mercedes Vito CDi,C and E class, VW Lupo 1.2 TDi Man.
 Size:38mm / for Opel Vectra 2.0D

CN0069 Fuel Pump Locking Ring Wrench for Toyota & Lexus

1. Tool precisely-made with slots to mesh with the ribs on fuel pump locking rings for Toyota and Lexus
2. Elevated bridge to avoid blockage from connectors and lines on fuel pump
3. Helps remove and install the fuel pump locking rings easier and faster
4. 3/8" square drive - 19 mm hex
5. OD 177 mm / 7 inch - ID 143 mm / 5.6 inch



CN0070 Renault Oil Filter Wrench

1. For removing and installing fuel filters.
2. Size: Dr. 1/2", 6 RIBS, 66mm)
3. Application: RENAULT.

**CN0071 Oil Filter Wrench (Dr. 1/2", 14 Points, 84.6mm)**

1. Exact fitting key for disassembly / assembly of the plastic oil filter housing cover.
2. **Application** range:
 - Mercedes-Benz Sprinter (2007)
 - Mercedes-Benz E320 (2007)
 - Dodge Sprinter (2007)
 - Jeep Cherokee 3.0 V6 Diesel (2007)

**CN0072 Benz Oil Pan Wrench (14mm HEX x 17mm BOX)**

1. Description:
 - A wrench designed specifically to service the driveline fluids on most BMW and Mercedes Benz vehicles.
 - The 14-mm Allen end services the fill and drain plugs on the transmission and differential housing.
 - The low-profile design allows access where restricted space does not allow the use of a conventional socket.
 - The 17-mm box end services the oil drain plug.



2. Application Make:

BMW: Most vehicles since 1990

Mercedes Benz engine types: 102.92/93/96/98/99, 103, 104, 110.92/98/99, 112, 113, 116, 117, 119, 120, 266, 275, 285, 601, 602.91/93/94/96, 603.91/93/96/97, 604, 605, 606, 615, 616, 617.91 /95

Mercedes transmission types: 716, 717, 722, 63

AT2199 Oil & Fuel Pipe Stopper

1. Ideal for sealing metal brake pipes.
2. This stopper suitable for clamping and sealing metal flared pipes on braking systems, cooling systems, fuel pipes etc.
3. Size range : 4mm to 10mm.

**CN1065 Filter Removal Tool**

1. Size: 180cc (63~67mm) / 240cc (73~76mm)
2. 2pcs / set



CN0072 Oil Funnel Set for VAG

1. Funnel can be directly connected to oil filler necks, eliminating unsafe oil spills.
2. Engine oil bottles can be put up side down on funnel – hands-free and one-person operation.
3. Large oil passage allows oil to flow down more rapidly.
4. Lower transparent chamber shows oil flows down to engine

**CN0073 Oil Funnel Renault , Nissan , Dacia and Suzuki**

1. Funnel can be directly connected to oil filler necks, eliminating unsafe oil spills
2. Engine oil bottles can be put up side down on funnel – hands-free and one-person operation
3. Large oil passage allows oil to flow down more rapidly
4. Lower transparent chamber shows oil flows down to engine

**CR1011 Oil Filter and Clutch Hub Spanner**

1. Designed for oil filter and clutch hub on many Honda models. (single-cylinder and twin-cylinder machines)
2. 3/8" driver and 24mm inside diameter.
3. Material:heat-treated steel
4. **Applications:**
Most pre-1978CB, CL, CT, SL and XL models, XR200 1980-1984, XR200R 1981-1994, XR250L 1991-1994, XR250R 1986-1994.
5. Replaces large end of 077160020100 OEM tool.

**CN0075 3/8" Hex Oil Filter Wrench - 24 / 36 MM**

1. Material: S45C
2. Remove/install filter cartridge
3. One side with 24 mm hex oil filter wrench, and the other side with 36 mm hex oil filter wrench
4. Surface Finish: Chrome plating
5. Socket made of strong forging process

**AT10019 Diesel Injector Puller**

1. The removal of jammed two-piece injector can be carrier out without having to de-install the cylinder head.
2. For Ford EcoBlue 2.0L TDCi diesel engine Transit 2014~ , Transit Custom 2012~

