

AUTO REPAIR TOOLS & EQUIPMENT



- NEW Products

新品



- Engine Tools

引擎修護工具



- Brake, suspension & Under Car Tools

煞車、車底修護工具



- Body Tools

钣金工具



- Jacking & Lifting Tools

千斤頂工具



- Electrical Tools

電器檢測維修



- Air Conditioning Tools

冷媒工具



- Wheel Tools

輪胎修護工具



- Puller Tools

拔套工具



- Oil Service Tools

油筒潤滑設備



- LED Work Lights

LED 工作燈



- Safety Protections

安全防護用品



- General Tools

通用工具



- Parts Washer, Sand Blasters & Sand Blaster Guns

車庫設備



- Truck Tools

卡車工具

汽修工具

					New!
					214
					273
					295
					311
					321
					336
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					407
					410



New Products - Engine Tools

新品 - 引擎修護工具

AET-00891K

Cooling System Pressure Test & Vacuum-Type Cooling Refill Set

- Covering almost all type of cars.
- Provided with 3 Twist-on Type & 16 Threaded Type Adapters.
- Connectors are compatible with all other cooling system products.
- Radiator cap (Small internal passages)



Pressure Leak Test 45° Gauge For Easier Reading



Vacuum-Type Coolant Refill



Radiator Cap Leak Test

NEW



AET-00830K

Pulsating Cooling System Flush Tool Set

- Powerful flush cleans impurities in cooling system with a pulsating effect.
- Adjustable trigger to provide pulsate flush and regular consistent-pressure flush functions.
- Includes a conical adapter for fitting radiator filler necks.
- 5/8" and 1/2" heater hose adapters and a small conical adapter for flushing heater side.
- Connects to air compressor and garden hose for flushing the cooling system.
- Special back pressure one-way valve to avoid excessive pressure accumulated in water hose.

Contents

- 1PC Flush tool
- 1PC Flush hose
- 1PC Conical adapter
- 1PC Conical adapter for heater core
- 1PC Connector for garden hoses
- 1PC 90° Connector
- 1PC Heater core adapter Ø5/8"
- 1PC Heater core adapter Ø1/2"
- 2PCS Hose clamps range 16-27
- 2PCS Hose clamps range 20-32



NEW



AET-00881K

Radiator Coolant Vacuum Refill Set w/ A Universal Adapter

- Vacuum-type coolant refill tool has large internal passages to allow coolant to be refilled fast.
- Provided with a conical adapter, fitting almost all radiator or recovery tank filler necks.
- With only two valves - easy to use, intuitive design.
- Tool with a hook can hang under the hood.
- Tool needs to work with an air compressor to create a vacuum in the cooling system.



NEW



New Products - Engine Tools

新品 - 引擎修護工具



NEW

AET-00839K

Pneumatic Injector Pullout Tool Set
w/ 21 PCS Adaptors

- This is a newly designed of PNEUMATIC DIESEL INJECTOR DISTRACTOR TOOL for handheld switches.
- The handheld seitch was only a general ON/OFF fluid switch in the past. But the new handheld switch has a push type switch with a safe trigger design for one-handed operation.
- It allows the user to operate the PNEUMATIC DIESEL INJECTOR DISTRACTOR TOOL as he likes and perform the action of pulling out the fuel injector with 21pcs suitable accessories.
- Blows Per Min: 0-750 B.P.M
- Air Consumption: 23 CFM
- Min Hose Size: 3/8"
- Length: 179 mm
- Shank Size: M14
- Air Pressure: 90 Psi
- Air Inlet: 1/4"
- Weight: 2.85 kgs



Item No.	Specification
A1	BOSCH 110: M17 x P1.0
A2	BOSCH 120: M18 x P0.75
A3	DENSO: M20 x P1.0
A4	M12: I:M12 x 1.5 ; O:M20 x P1.5
A5	M14: M14 x P1.5
A6	M16: M16 x P1.5
A7	M18: M18 x P1.5
A8	M22: I:M14 x 1.45 ; O:M22 x P1.5
A9	M8 x P1.0
A10	M8 x P1.25

Item No.	Specification
A11	M10 x P1.0
A12	M10 x P1.5
A13	M14 x P1.0
A14	M25 x P0.5
A15	M25 x P1.0
A16	M27 x P0.75
A17	M27 x P1.0
A18	M27 x P1.0
A19	M29 x P1.0
A20	CRN1: M31 x P0.75
A21	CRN2: M26 x P0.75



AET-00846AK w/ Handle

Pneumatic Stucked Diesel Injector Extractor Tool (7PCS)

Contents

- 1PC M18 x 1.5 / M20 x 1.0
- 1PC M18 x 1.5 / M17 x 1.0
- 1PC M18 x 1.5 / M14 x 1.5
- 1PC M18 x 1.5 / M25 x 1.0
- 1PC M18 x 1.5 / M27 x 1.0
- 1PC Universal Joint
- 1PC Pneumatic Stucked Diesel Injector Extractor Tool



NEW

AET-00846BK w/ Handle

Pneumatic Stucked Diesel Injector Extractor Tool (20PCS)

Contents

- 1PC M18 x 1.5 / M20 x 1.0
- 1PC M18 x 1.5 / M18 x 0.75
- 1PC M18 x 1.5 / M17 x 1.0
- 1PC M18 x 1.5 / M27 x 1.0
- 1PC M18 x 1.5 / M27 x 1.0
- 1PC M18 x 1.5 / M25 x 1.0
- 1PC M18 x 1.5 / M29 x 1.0
- 1PC M18 x 1.5 / M31 x 0.75
- 1PC M18 x 1.5 / M26 x 0.75
- 1PC M18 x 1.5 / M14 x 1.5
- 1PC M18 x 1.5 / M16 x 1.5
- 1PC M18 x 1.5 / M18 x 1.5
- 1PC M18 x 1.5 / M22 x 1.5
- 1PC M18 x 1.5 / M8 x 1.25
- 1PC M18 x 1.5 / M8 x 1.0
- 1PC M18 x 1.5 / M10 x 1.5
- 1PC M18 x 1.5 / M20 x 1.5 / M12 x 1.5
- 1PC Pneumatic Stucked Diesel Injector Extractor Tool



NEW



New Products - Engine Tools

新品 - 引擎修護工具

AET-00847

Small Air Slide Hammer

NEW



AET-00898K

Engine Timing Set

For 1.2, 1.4 8V Belt Drive (Fiat, Ford, Lancia)

- To Remove & install belt for 1.2, 1.4 engine.
- Including camshaft & tensioner adjuster and sprocket locking tool.

Application

- Fiat: 500 (07-12), Doblo/Cargo (05-10)/ Grande Punto (07-12)/ Idea (04-12), Linea (07-11), Panda EVO2 (05-11), Punto EVO (09-12)
- Ford: Ka (09-12)
- Lancia: Ypsilon (06-11), Musa (05-12)

NEW



AET-00894K

1/2" DR. Oxgen Sensor Socket Set (5PCS)

- For removing and install lambda sensors Particulary.
- Material: CR-MO Steel
- Drive: 1/2" x 6PT
- Length: 50 mm
- Size: 14, 17, 19, 22, 24 mm

NEW



AET-00897K

Engine Timing Tool Set For Audi, Seat, Skoda, Vw

- Raising the front of the vehicle and removing the front wheels & inner wheel arches as required.
- To remove the engine under shield, top cover, air intake, auxiliary drive belt (s).

Application

- 2.0I Turbo Timing Set Is Applicable To Vag Vehicle With A 2.0I

NEW



New Products - Engine Tools

新品 - 引擎修護工具



AET-00840

Automotive Smoke Leak Detector

- This kit uses smoke to diagnose leaks on EVAP system, intake system, EGR and exhaust system, vacuum leaks and low pressure turbo leaks.
- It also detects worn gaskets, worn rubber/seal and connectors on all systems.
- Suitable for all kinds of vehicles.
- Fill with USP grade mineral oil or baby oil, attach power cable to car battery and connect to air compressor to make the kit works.
- Equipped with a pressure relief valve.
- The kit comes with a power switch and a valve on regulator that allow you to suspend the work without detach anything.



NEW

AET-00892

3 Jaws Adjustable Fuel Tank Lid Wrench

- An innovative tool for the removal and fitting of fuel Gauge sender collars.
- Adjustable to suit for most collars from 90 - 200 mm.
- Lock in place and then turn with a 16 mm wrench or Socket.
- A damage free method of removing & re-fitting collars.
- Operation range: Ø90 - 200 mm

NEW



AET-00895K

Super Scraper Set (2PCS)

- To scrape off old silicone on oil pans, carbon buildup on exhaust manifolds, or rusts on brake calipers.
- Finely ground carbide double edges scrape residues off without leaving a damage on the surface.
- Premium tungsten carbide tip remains sharp for an extended period of time.
- Slimmer tool suitable to work in limited spaces.
- Ergonomic handle design offers comfortable grip.

NEW



AET-00893

Flywheel Locking Tool (For Hyundai, Kia)

- Designed to lock the flywheel via the starter motor aperture of the 1.0, 1.2, 1.25, 1.4, 1.6, 2.0, 2.4 & 2.7 L petrol and diesel engines fitted across the Hyundai/ Kia ranges.
- This tool ensures the crankshaft is locked to allow the crankshaft pulley, clutch bolts and flywheel bolts to be removed and torqued without moving the crankshaft.
- Material: S45C

Applications

- 1.0, 1.2, 1.25, 1.4, 1.6, 2.0, 2.4 and 2.7L petrol and diesel chain driven engines across the Hyundai & Kia vehicle ranges, fitting some engines from 2001.

NEW



AET-00896

24" (610 mm) Air Powered Cleaner w/ Ultra Thin Tube

- Air powered cleaner with an ultra thin tube to clean hard-to-access areas, such as filters and radiator.
- 90° angle and 5-port air outlet to increase accessibility and maximize air pressure and volume.
- Ergonomic handle design enables users to control the air direction easily and work with the tool comfortably.

NEW





New Products - Brake Suspension & Under Car Tools

新品 - 煞車、車底修護工具

AUT-00421K

Pressure / Vacuum Pump & Brake Bleeding Set

NEW

- Kit for testing and diagnosing most systems that require pressure or vacuum to operate.
- Pump with a sturdy nylon case and with a gauge that can test both pressure and vacuum.
- Accessories include a reservoir bottle, caps, hoses, and adapters for one-person brake bleeding.
- Provided with a pack of adapters for brake bleeder valves and pressure/vacuum tests.



Pressure Tests



Vacuum Tests



Brake Bleeding



AUT-00381K

Drive Axle / Axle Nut Service Set

NEW

- This kit provides total solutions for drive axle and staked axle nut.
- Deep impact axle nut socket made by CR-MO steel, 1/2" DR., 12 points.
- Stud cleaning tool and hub cleaning tool that drive by impact wrench can remove dirt and rust on drive axle and hub easily.
- Special designed Staked Axle Nut Punch provides easy and fast way to both unstake and stake axle nuts.

Contents

- 5PCS Deep axle nut socket: 30, 32, 34, 36, 39 mm
- 1PC Staked axle nut punch
- 1PC 22 mm Stud cleaning brush
- 2PCS Ø23 mm Hub cleaning pad



AUT-00375K

Brake Bleeder Adapter Set (7PCS)

NEW

- Designed for applications on master cylinder reservoirs from 2001 to 2021.
- Covers most of the common car models on the market.
- Adapters with a standard European air plug type, suitable for pressure bleeding tools or machines.
- Most adapters have a swivel 90° fitting to tackle limited space problems.

Application

- Toyota, Lexus all models. • Honda, Acura all models.
- Hyundai, Kia all models; most models for Ford, Mitsubishi, Nissan.
- Mazda, Suzuki. • Chrysler, Dodge, Jeep, Ram all models.
- Nissan Cube, Juke, Leaf, Micra, Maxima, Tiida, Versa.
- European standard; some models for Buick, Chevrolet, Ford, Mazda and Nissan.



Toyota



Honda



Ford



BMW



Hyundai



Nissan



AUT-00414K

Brake Bleeder Adapter Set For Tesla (2PCS)

NEW

- Kit specially designed for performing power brake bleeding on Tesla vehicles.
- Compatible with most brake pressure bleeder machines or tank pumps.
- Adapters for Tesla Model S and X, Tesla Model 3 and Y.
- Metallic adapter holds pressure up to 2.5 bar / 36 psi.



New Products - Brake Suspension & Under Car Tools



新品 - 煞車、車底修護工具

AUT-00422K

Air Powered Brake Caliper Wind Back Tool Set (16PCS)

- Designed to make disc brake services faster and energy saving.
- Tool can be turned left- and right-ward - suitable for regular and reverse-threaded pistons.
- Pneumatic powered tool is able to wind pistons back simply pressing a button.
- Includes 15 adapters, fitting a wide range of vehicles.



NEW



AUT-00428K

Air Powered Brake Caliper Wind Back Tool Set (22PCS)

- Designed to make disc brake services faster and energy saving.
- Tool can be turned left- and right-ward - suitable for regular and reverse-threaded pistons.
- Pneumatic powered tool is able to wind pistons back simply pressing a button.
- Includes 21 adapters, fitting a wide range of vehicles.



NEW



AUT-00418K

Press & Pull Sleeve Set

- Universal tool set for extracting and drawing in: Silent bearings, hydraulic bearings, bearing bushes, ball bearings, shaft seals, rubber bearings, etc. Fully universal application.
- Ideal for different vehicles. Cars + HGVs. • Application also with workshop press + press frame.
- Depending on requirements, the particular sleeves can also be individually reworked (e.g. recess, etc.)

Contents

- 22PCS Press-on sleeves:
 - inside: Φ 34, 36, 38, 40, 42, 44, 46, 48, 50, 52, 54, 56, 58, 60, 62, 64, 66, 68, 70, 72, 75, 80 mm
 - Outside: Φ 44, 46, 48, 50, 52, 54, 56, 58, 60, 62, 64, 66, 68, 70, 72, 74, 76, 78, 80, 82, 85, 90 mm
- 5PCS Pulling spindle + nuts: M10, M12, M14, M16, M18



AUT-00391K

Ball Joint Removal / Install Press & Pullsleeve Set

- Universal tool set for extracting and drawing in: Silent bearings, hydraulic bearings, bearing bushes, ball bearings, shaft seals, rubber bearings...etc.
- Depending on requirements, the particular sleeves can also be individually reworked e.g. Recess...etc.
- Application also with workshop press+press frame.
- Fully universal application. • Material: Iron • Color: Black • Labor-saving nut
- M10 x 1.5mm ; M12 x 2.0mm ; M14 x 2.0mm ; M16 x 2.5mm
- Inside: Diameter: 34, 36, 38, 40, 42, 44, 46, 48, 50, 52, 54, 56, 58, 60, 62, 64, 66, 68, 70, 72 mm
- Outside: Diameter: 44, 46, 48, 50, 52, 54, 56, 58, 60, 62, 64, 66, 68, 70, 72, 74, 76, 78, 80, 82 mm



With Acme Threads



Labor-saving nut





New Products - Brake Suspension & Under Car Tools

新品 - 煞車、車底修護工具

AUT-00415

Universal Brake Refilling Adapter (Claw Type)

- Brake refilling adapter with a 90° rotating coupling fits almost all vehicles on the market.
- Fits master cylinder fill neck between Ø26 - 79mm (1.0" - 3.1")
- Maximum pressure up to 3.5 bar (50 psi)



AUT-00429

Bushing Tool For Tesla Model 3 Electric Motor

- Tool to remove an old bushing or install a new bushing on Tesla Model 3 electric motor.
- The black sleeve with a special side cutout specifically design for Tesla Model 3. (see arrow in the image on the right)



AUT-00425

Front Upper Control Arm Ride Height Gauge (For Tesla Model 3 & Y)

- Used to set the initial ride height position of the front upper suspension control arm, on Tesla Model 3 and Model Y vehicles.
- Required for initial setup when replacing the front upper suspension arms.
- Screw this tool directly into the front upper control arm mount & tighten the new arm against the 8849 plate to set the arm position.
- Applications include: Tesla Model 3 & Model Y.
- Use in accordance with the vehicle manufacturers instructions.
- Equivalent to OEM 1450399-00-A.
- Material: POM



AUT-00166E

Air Brake Piston Wind Back Tool w/ 2 & 3 Pin Brake

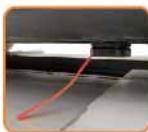
- Air operated ram applies pressure to the caliper piston, while the handle is rotated by hand.
- Easy to use-works on normal workshop air supply.
- Used on wind back and push back pistons.
- Adjustable design fits majority cars with 2 or 3 slotted wind-back caliper pistons.
- Works with 3/8" square. • Market adapter.
- w/ 3/8" Square. • All range is 20 - 35 mm



AUT-00430K

Jack Lift Pad Set For Tesla Model S 3 X Y (4PCS)

- Pad pucks for creating a safe jack lifting point for Tesla models.
- Magnets to help the pad to stick to the metallic frame when fitting the pad to the jack point for servicing the Battery.
- Pad to protect the Battery at the bottom of Tesla.
- Special colored line attached as an identifier so the pads are not forgotten after servicing Tesla.



New Products - Under Car Tools & Body Tools

新品 - 車底修護工具及鈑金工具



AUT-00424

Rear Ride Height Torque Tool (For Tesla Model 3 & Y)

- Used to set the initial ride height position of the rear lower suspension arm, on Tesla Model 3 and Model Y vehicles. Required for initial setup when replacing the lower suspension arms, hubs, springs, etc.
- Used to set the suspension at the correct ride height when the top of the tool touches the sub-frame & the lower control arm sits on the lower part of the tool.
- Applications include: Tesla Model 3 & Model Y.
- Use in accordance with the vehicle manufacturers instructions.
- Equivalent to OEM 1137855-00-A.
- Material: POM



AUT-00427

Brake Lining Thickness Gauge

- Color coded brake gauge identifies thickness levels for quick inspection of brake linings.
- Green: 8, 10, 12 mm (0.3150" - 0.4720")
- Yellow: 4, 5, 6 mm (0.1575" - 0.2382")
- Red: 2, 3 mm (0.0787" - 0.1181")



ABT-00184

Metal Skin Wedge Tool (Curved)

- Slim radius taper end for optimum blend of strength and access.
- High strength thin tip (<0.0218") with very little deflection.



AUT-00423

Hybrid Belt Tensioner Compression Tool (For Kia, Hyundai)

- Essential tool for compressing the hybrid starter generator (HSG) belt tensioner spring when replacing the drive belt.
- Applications: Hyundai Sonata, Kia Optima (Hybrid).
- OEM Tools: 09244-G2100, 09252-2E100.
- Material: CR-MO Steel



ABT-00183K

Pry & Scaper (4PCS)

- Easily and safely remove automotive clips, fasteners, molding or gaskets from interior / exterior applications.



ABT-00185

Metal Skin Wedge Tool (Curved & Straight)

- Slim radius taper end for optimum blend of strength and access.
- High strength thin tip (<0.0218") with very little deflection.
- Double-ended tool with curved and straight tips.





New Products - Body, Wheel, Air Condition, Puller Tools

新品 - 鋁金, 輪胎維修, 冷媒及拔套工具

ABT-00182K

9-Way 5LB Slide Hammer & Puller Bearing Remover Tool Set

- Highly versatile tool kit, provided with a 5 lb slide hammer, for more than 9 ways of pulling operations on a car.
- Forged carbon steel used as the primary material that provides high strength and corrosion proof, and is resistant to severe sliding applications.
- Jaws can be assembled into 2-jaw and 3-jaw yokes for pulling either internal or external bearings.



NEW

ACT-00088K

Master Deluxe Line Disconnect Tool Set

- Works on air conditioning line fuel line, etc.
- Size: 5/16", 3/8", 1/2", 5/8", 3/4", 7/8"

NEW



HP-00064K

Deep Groove Bearing Puller Set

- The following arm numbers are suitable for bearing:
 - Arm H1: 6000, 6001, 6002, 6003, 6200, 16002, 16003, 16100, 16101
 - Arm H2: 6004, 6005, 6006, 6201, 6202, 6203
 - Arm H3: 6007, 6008, 6009, 6010, 6204, 6205, 62/22, 6300, 6301, 6302, 16011
 - Arm H4: 6011, 6012, 6013, 6206, 62/28, 6303, 6304, 63/22
 - Arm H5: 6014, 6015, 6016, 6017, 6207, 6208, 6209, 6210, 6211, 6305, 63/28, 6306, 6307, 6403
 - Arm H6:
 - 6018, 6019, 6020, 6212, 6213, 6214, 6215, 6216, 6217, 6218, 6308, 6309, 6310, 6311, 6312, 6313, 6403, 6404, 6405, 6406, 6407, 6408, 6409, 6410

NEW



AHT-00106K

Wheel Alignment Guide Tool Set - M15 x P1.25 (2PCS)

- Wheel alignment guide tool is a great helper when changing tires.
- Insert the wheel alignment guide tool on the wheel bolt hole first, and hang the wheel and tire without needing to hold the tire in mid air and look for the wheel bolt hole.
- M15 x 1.25 for Mercedes-Benz GLE and GLS MHEV models from 2020.

NEW



AHT-00105K

Wheel Hanger Set (8PCS)

- Wheel hangers for hanging tires while changing tires - a great helper during tire-changing seasons.
- Also for stabilizing brake discs, preventing brake caliper from wobbling.
- Insert the wheel alignment guide tool on the wheel bolt hole first, and hang the wheel and tire without.
- Needing to hold the tire in mid air and look for the wheel bolt hole.
- Two pieces for each size - helpful when doing tire rotation.
- Includes M12 x 1.25, M12 x 1.50, M14 x 1.25, M14 x 1.50.

NEW



New Products - Oil Service Tools & Truck Tools

新品 - 油筒潤滑設備及卡車工具



AOT-00126K

3 Liter Universal ATF Refill Tank Set

- Designed for vehicles without a transmission dipstick.
- 3 liter tank with a manual pump for easy refilling gearbox oil provided with 2 adapters for fitting most automatic transmission / gearbox fill plug holes.
- Includes a tube type and a hook type adapter.
- Hose with internal wire spring does not get kinked.
- Release pressure before disconnecting the tank from transmission / gearbox.



NEW

AOT-00075

Universal Oil Funnel Set (For America Cars)

- Screw - on type oil funnel prevents unsafe oil spills.
- Transparent lower chamber clearly shows oil flow process.
- Large oil passage allows oil to be refilled more rapidly.
- Includes adapters for most common vehicles in North America.
- Provided with a storage holder & a drain plate.

NEW



Part	Descriptions	Specifications
FN	Funnel	Opening: Ø 4.9" / Ø 125 mm
CS	Chamber for Chrysler	Threads: M31
FR	Chamber for Ford / Mazda	Threads: M33.5
GM	Chamber for GM	Threads: M35.3
HD	Chamber for Honda	Threads: M33 x P3.5
TY	Chamber for Toyota / Lexus	Threads: M37 x P3.0
SB	Adapter (Yellow)	Threads: M42 x P4.5
RA	Adapter (Red)	Threads: M37 x P3.0 ; Clip: Ø 1.2" / Ø 30 mm
EA	Extended Adapter	Threads: M32 x P3.5 ; 150° Angle



Fig. 1

Fig. 2

AGT-00317K

Trim Removal Pry Bar Fastener Lifter Tool Set (2PCS)

NEW

- Set for rethreading damaged or rusted threads on axle spindles.
- Twist shape on inner rings of the dies offers better rethreading results.
- Eight dies cover the most commonly used sizes for axle spindles on market.



ATK-00055K

Truck Torque-Rod Bush Removal installation Set

NEW

- Put Torque-Rod into the main body with necessary accessories Stepping on the foot plate of air pump until The bush comes out (air pump available separately)
- Application Truck Brand: Daewoo, Fuso, Hino, Isuzu, Mitsubishi, Nissan, Toyota.



Remove 1



Remove 2



Install 1



Install 2



ENGINE TOOLS



Engine Tools

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Engine Tools

引擎修護工具



AET-00778K

Ford 3.5I & 3.7I 4V Cam Tool Set

- Helps ensure camshaft alignment during removal and installation of the timing chain.
- Includes holding tool for secondary chain tensioner.

Applications:

- 3.5L - 2007 to 2016, non-turbo 2017.
- 3.7L - 2009 and newer



AET-00712

VW/Audi 2.0L Turbo Timing Set

- The kit consists of 6 main components which includes the tool recommended by the manufacturer to set No.1 cylinder at the TDC.
- It is important that the correct process is followed when setting up the engine.



AET-00734

Glow Plug Aperture Cleaner

- For cleaning glow plug apertures when replacing glow plugs.
- Particularly useful when the original glow plugs have been removed.
- Size: M10 x 1.0 & M10 x 1.25



AET-00735

Cam Lock Tool

- Suitable for Subaru (Impreza, Legacy, Forester, Outback, Baja), Saab 9-2X
- Material: Carbon Steel



AET-00362

DCT Clutch Installation / Removal Tool

- Volvo / Ford / Chrysler / Dodge
- For 6 speed DCT - dual clutch transmission (Getrag 6DCT450 / MPS6) on Volvo, Ford, Chrysler, Dodge.

Suitable for :

- Volvo: C30, C70(06~), S40(04~), S60(11~), S80 (07~), S80L, V40(13~), V40 Cross Country, V50, V60, V70(08~), XC60. Ford: Focus(04~), Kuga(13~), C-Max, S-Max, Galaxy, Mondeo (07~), Chrysler: Sebring. / Dodge: Avenger, Journey.
- OEM Ref. 9997435 (Volvo) / 308-763 (Ford)



AET-00463

Bosch Diesel Injection Pump Socket Kit

- For Bosch diesel injection pump VE (Bosch VE)
- 1. Triangular socket for central closing plug
- 2. Governing pressure socket
- 3. Triangular socket for bearing screws governing lever- For Bosch diesel injection pump VP EDC TDI (Bosch TDI)
- 4. Triangular socket for top cover screw - For Bosch diesel injection pump VP 37 (Bosch CR)
- 5. Triangular socket for body





Engine Tools

引擎修護工具

AET-00586

Diesel Injector Seat Cleaner Set (19 PCS)

- Used to clean injector / injector seat when changing injector.
- Helps to avoid blow - back due to poorly seated injector.
- Suitable for a wide range of vehicles.



Contents			
Reamer (angled)	17mm	Reamer (flat)	14 x 14mm
Reamer (flat)	17 x 17mm	Reamer (angled)	15.5 x 15.5mm
Reamer (flat)	15 x 19mm	Reamer (flat)	15.5 x 15.5mm
Reamer (flat)	17 x 19mm	Reamer (flat)	17 x 17.5mm
Reamer (angled)	17 x 21mm	Reamer (flat)	17 x 19.5mm
Reamer	18 x 21mm	Reamer (flat)	17 x 20mm
Reamer	20 x 21mm	Reamer (angled)	17.5 x 20.5mm
Reamer (long)	15.5mm	Cleaner (injector)	19mm
Pilot post		T-handle	
			Hex key

AET-00777

Ford Engine Timing Chain Locking Wedge

- This tool will allow you to do camshaft or cylinder head work without removing the front cover

Applicable:

- Expedition 5.4L 3V 2005 2006 2007 2008 2009 2010 2011
- Explorer 4.6L 3V 2006 2007 2008 2009 2010
- F-150 4.6L 3V 2009 2010
- F-150 5.4L 3V 2004 2005 2006 2007 2008 2009 2010
- F-250 5.4L 3V 2005 2006 2007 2008 2009
- F-250 6.8L 3V 2005 2006 2007 2008 2009
- F-350 5.4L 3V 2005 2006 2007 2008 2009
- F-350 6.8L 3V 2005 2006 2007 2008 2009
- F-450 5.4L 3V 2005 2006 2007 2008 2009
- F-450 6.8L 3V 2005 2006 2007 2008 2009
- F-53 6.8L 3V 2006 2007 2008 2009 2010 2011 2012
- F-550 5.4L 3V 2005 2006 2007 2008 2009
- F-550 6.8L 3V 2005 2006 2007 2008 2009
- F-59 6.8L 3V 2011 2012
- Mark LT 5.4L 3V 2006 2007 2008
- Mountaineer 4.6L 3V 2006 2007 2008 2009 2010
- Mustang 4.6L 3V 2005 2006 2007 2008 2009 2010
- Navigator 5.4L 3V 2005 2006 2007 2008 2009 2010 2011 2012



AET-00762

Sonic Belt Tension Tester

- Portable Probe
- 20 sets Frequency Storage
- Maximum Frequency: 600Hz
- Automatically Power-off: The instrument will automatically power off when no operation for 5 minutes.
- User can also make the instrument power off by pressing On/Off switch for 2s.
- Power Source: 2 AAA Battery (not included)



AET-00744

Crankshaft Pulley Holder

- For removal and replacement of the crankshaft bolt.

Applicable:

- BENZ M272 ,M273



AET-00800

Stretch Belt Installation And Removal Tool

- Used for most stretch belt applications found on many accessory drive systems
- Unique magnetic faces hold the tool in place on the pulley
- Helps prevent damage to belt or pulley during removal or installation
- Material: CR-MO
- Surface Finish: Zinc plated



AET-00698

Timing Belt Tensioner Tool (JTD Multijet)

- Simplified tensioning of the timing belt via the tensioner roller.



Engine Tools

引擎修護工具



AET-00786K

Universal Camshaft Alignment Tool Set (3PCS)

- Use your own sockets (in the rings) to lock onto the central camshaft screws-aligning & locking camshafts.
- Special design to align camshaft and removing or installing the guide rail pin.
- Adjustable to fit most twin crankshafts.
- One uses your own sockets in the rings and lock them in with the screws.
- Material: CRV4140
- Surface Finish: Phosphate



AET-00737

VW & Audi Flywheel Holder

- This tool screws into the bell housing and slide in-between the teeth on the flywheel to keep it from rotating.
- For removing and installing pulley.

- Applicable:**
• VW, AUDI



AET-00740K

Crankshaft Rear Seal Remover/Installer Tool Set

- To Remove And Fit Crankshaft Rear Oil Seal.

Application:

- Land Rover: Range Rover Sport (2005 to 2009), Range Rover (2002 to 2013), Free Lander 2 (2006 to 2010), Discovery 3 (2004 to 2009), Defender (from 2007)
- Plus Jaguar: V8 XJ (X308 1997 to 2003), XJ (X350 2003 to 2010), XF (X250 2008 to 2013), S Type (X200 1990 to 2008), XK (100 1996 to 2006), XK (150 from 2006)



AET-00776

Harmonic Balancer Remover

- This Balancer Remover is suitable for a variety of engines that are fitted with 3 & 6 Spoke Balancers.

Applicable:

- GM V8 Engines:
5.3Litre, 5.7LS1, 6.0 LS2,
6.2 LS3, 7.0 Litre
- Ford : Coyote 5.0 Supercharge
Chrysler / Dodge / Jeep :
3.5Litre, 3.7Litre V6, 4.7Litre,
5.7Litre, 6.1Litre



AET-00739

JLR Crankshaft Trigger Wheel Installer

- Tool for installing the crankshaft trigger wheel.
- Overall diameter: 12.5cm(4.9").

Application:

- Discovery 3, Discovery 4 and Range Rover Sport when fitted with the TDV6 engine.



AET-00750

Front Crankshaft Oil Seal Fitting Tools

- For use on duratorq engines.
- This kit is required when you replace the crank seal and when you remove the front engine cover to replace the chain.
- Front cover alignment tool.
- Front seal fitting tool and fuel pump sprocket cover removal tool.

Application:

- Ford Transit, Ranger with 2.0/2.2/2.4/3.2 TDCi/TDDi engines plus Jaguar X Type X400 and Land Rover Defende





Engine Tools

引擎修護工具

AET-00748K

Ford, Mazda Rear Camshaft Pulley Installer & Remover

- Special designed to install and remove rear camshaft pulley which connect to the water pump on V6 engine.

Application:

- FORD, MAZDA 2.5L, 3.0L, V6 engine.



AET-00754K

BMW Flywheel lock Set

- Used to lock the flywheel for removal and installation.

Applicable:

- BMW E60 (M5) S85 5.0L
 - E63 (M6) S85 5.0L
 - E64 (M6) S85 5.0L
 - E65 (745i) N62 4.4L
 - E65 (750i) N62 4.8L
 - E65 (760i) N73 6.0L
 - E65 (760Li) N73 6.0L
 - E65 (B7 Alpina) N62 4.4L
 - E66 (745Li) N62 4.4L
 - E66 (750Li) N62 4.8L
 - E66 (760Li) N73 6.0L



AET-00709K

Vag Year 2012 Adaptable To 1.6 - 2.0 CR Tdi Engines Timing Kit

- An 8 piece kit consists of the components which requires to lock the crankshaft, the cam pulley and the fuel pump pulley in the timed position to removal and replacement of the camshaft timing belt.



AET-00711K

Diesel Engine Setting/Locking Kit BMW/Mini N47/N57 1.6,2.0,3.0 - Chain Drive

- The essential tool is for the timing BMW/ Mini N47/ N57 1.6, 2.0 and 3.0 diesel chain drive engines. The kit includes camshaft setting plate, flywheel locking pin and crankshaft turning tool, and also includes HP pump sprocket retaining tool required during the pump removal/ replacement application.



AET-00710K

Setting / Locking Tool Kit Renault / Nissan & Vauxhall / OPEL 1.6/2.0/2.3 DCI / CDTI

- Suitable for setting and locking 1.6 & 2.0 & 2.3 DCI/ CDTI chain drive engines fit in Renault, Nissan and Vauxhall/Opel models with M9R/ M9T engine code.



AET-00708K

Petrol Engine Twin Camshaft Setting / Locking Tool Kit

- The setting and locking kit suitable for the timing 1.4 & 1.6 16v Valvetronic direct injection and the chain drive petrol engines fit in BMW Mini, Peugeot and Citroen vehicles.



Engine Tools

引擎修護工具



AET-00713K

2.0 Range Rover Evoque And 2.0 Jaguar Xf Setting And Locking Kit

- Suitable for Jaguar Land Rover 2.0 petrol chain drive engines.
- Kit includes crankshaft pulley and crankshaft sensor positioning tools.
- Comprehensive instructions and warning tag are included. Supplied in storage case.

Applications:

- Jaguar XE 2015>2016,
- XF 2012>2015 GTDi,
- XJ 2013>2016 GTDi
- Plus:
 - Land Rover Discovery Sport 2015>2016, Si4, Freelander 2 2012>2015 Si4.
 - Range Rover Evoque 2011>2016 Si4 Engine code 204PT



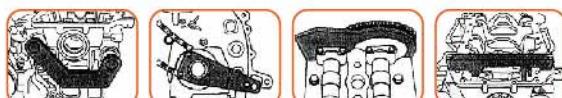
AET-00731K

BMW Combination Timing Tool Set (N47)

- This set for installing and removing camshaft & variable camshaft timing unit, also for aligning the balance shaft and crankshaft timing position.

Application:

- BMW N47/N47s/N57 2.0 Diesel Engines.



AUT-00358K

Universal Camshaft Oil Seal Remover & Installer (15PCS)

- This tool is developed specifically for car engine oil seal replacements
- Professional tool for everyday commercial or occasional use
- 15pcs corresponds to most of the vehicles
- Designed to allow original pulley / flange bolt to be used to press in the new seal ensuring a squarely seated seal every time
- Precision quick change with full set of working instructions



AET-00707K

Petrol Engine Twin Camshaft Setting / Locking Tool Kit

- The timing kit is suitable for 1.2/1.4 TFSi and 1.4/1.6 FSi engines.
- The kit contains the essential tool for TDC positioning tool, camshaft setting plate and tensioner locking pin.



AET-00703K

Camshaft Central Valve Tool

Application:

- Assembly Tool for installation and removal 4/3-way central valve for camshaft adjustment.
- Applicable with 4-cylinder gas direct injection, 1.8 liter, 2.0 liter, 4v, TFSI engine with chain.
- Also used for 3rd generation 4-cyl. 1.8l, 2.0l 4V TFSI direct injection engine which across all brands and platforms for VW group.
- For Audi A3 2003>, A4, Q5, VW Passat/Passat CC 2006>, Golf 2003>, SEAT, Skoda with engine above. Audi TT 2006>, Audi A4 2008 >, Audi A5 2008 >, Audi Q5 2008 >, Audi A3 2012 >



AET-00789K

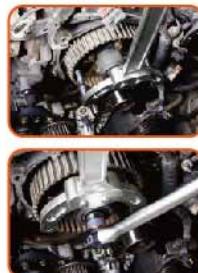
Universal Camshaft Pulley Holder (9PCS)

- Use to hold camshaft pulley while loosening and tightening cam sprockets center bolt
- Adjustable swivel jaw both side application for most engine
- For universal engine, especially O.H.C. overhead cam engines cars
- Design with 4 pair groove pins 7, 10, 14, 16mm
- Capacity: 40 - 140mm (1-1/2 - 8-5/8)



Contents:

- 1PC Main body
- 2PCS 7mm x 49mm groove pins
- 2PCS 10mm x 49mm groove pins
- 2PCS 14mm x 49mm groove pins
- 2PCS 16mm x 49mm groove pins





Engine Tools

引擎修護工具

AET-00782K

Setting/Locking Tool Kit 1.0 Ecoboost 3 Cylinder Petrol Engine - Ford (21PCS)

- Introduced in 2011, Ford 1.0 turbo, 3 cylinder, Ecoboost (SCTi) petrol engine fits in the various car and light commercial vehicle across Ford range.
- The engine features a wet timing belt (belt in oil) that runs between the crankshaft and the twin camshaft VVT sprocket. The timing belt is a conventional arrangement, the exception is being that the belt is encased in the engine and runs in oil in a similar set-up as a chain engine.



Contents:

- 10PCS A: Exhaust/Inlet Camshaft Locking Tool
- 2PCS B: Inlet/Exhaust Camshaft adjuster alignment tool
- 1PC C: Crankshaft Setting Pin
- 1PC D: Flywheel Locking Tool
- 1PC E: Tensioner Locking Pin
- 1PC F: Crankshaft Pulley Positioning Pin
- 3PCS G: Installer, Front Cover Seal
- 1PC H: Installer
- 1PC I: Auxiliary Drive Belt Tensioner Locking Pin

Application:

- 1.0 Ecoboost 3 cylinder (belt in oil) petrol engine in:
 - Ford: Fiesta, Ecosport, B-Max, Transit Courier, Focus, Transit Connect, C-Max, Tourneo Connect, Grand C-Max
- Engine Code: M1DA, P4JA, XMJA, M1JA, P4JB, XMJB, M2DA, SFJA, M2GA, SFJB

AET-00767K

Riveting Tool Set

- For Timing Chains on Mercedes petrol and diesel engines.
- The Separating Tool and the Riveting Tool allow quick, easy and safe splitting and reconnection of the timing - chains - both Simplex and Duplex - as well as the double-roller to be found on new Mercedes diesels from 9/95 onwards. On such chains, the timing chain pin is peened.



AET-00783K

Volvo Timing Tool Set (9PCS)

- The comprehensive the setting and locking kit covers the engine which is fitted to a large range of Ford, Volvo and some Mazda vehicle.
- Contain the time saving tool to correctly align the timing cover on Ford and Volvo engines and the crankshaft pulley holder for Mazda engine.



Contents:

- 2PCS A,B: Camshaft Alignment Plate
- 1PC C: Crank Sensor Alignment Tool
- 1PC D: Crankshaft Timing Pin
- 1PC E: Tensioner Pin (Ø2 mm)
- 1PC F: Camshaft Sprocket Alignment Plate
- 2PCS G,H: Crankshaft Pulley Alignment Plate
- 1PC I: Crankshaft Pulley Alignment Tool

Application:

- Ford: Fiesta (08-15), B-Max (12-15), C-Max (03-07), C-Max (07-10), C-Max (10-15), Focus (04-11), Focus (11-15), Grand C-Max (10-15), Tourneo Connect (13-15), Grand Tourneo Connect (13-15), S-Max (10-15), Galaxy (10-15), Kuga (13-15), Transit Connect (13-15)
- Volvo: S80 (09-14), V40 (09-14), V40 Cross Country (10-14), XC60 (09-14), S80 (09-14), V60 (10-14), V70 (09-14), S60 (11-11)
- Mazda: Mazda 5 (CW) (10-15), Mazda 6 (GH) (10-13)
- Engine Code:
 - 1.6: B4164T, B4164T2, B4164T3, HXDA, HXDB, HXJA, HXJB, IQDA, IQDB, IQJA, JQDA, JQDB, JQGA, JQMA, JQMB, JTDA, JTDB, JTJA, JTMA, JTWB, MUDA, PNDA, RVJA, SIDA, U5JA, XTD
 - 2.0: B4204T6, B4204T7, B4204T7 (MZRDIDSI), MGDA, MZR 2.0 (LF), R9DA, TNBA, TNBB, TNWA, TNWA, TPBA, TPWA, ZQDA

AET-62527K

Ford 1.6 Vvt Engine Timing Kit

- Tensioner Pulley Locking Pin & Crankshaft Locking Tool & Camshaft Sprocket Locking Tool & Flywheel Timing Pin & Camshaft/Crankshaft Pin
- Ford: Focus/C Max 1.6 Vct-Ti (03-09)
- Engine Code: Hxda
- Camshaft Setting Plate
- Ford: 1.25, 1.4, 1.6, 1.7, 1.8 & 2.0 Twin Cam 16v Duratec Petrol Engines (Belt & Chain)



Engine Tools

引擎修護工具



AET-00538

Diesel Pump Adjustment Tool

- Secure stand for the pump wheel when assembling & disassembling the high pressure pump exact positioning of the pump wheel no need to disassemble the tooth belt saves work of making further adjustments to the pump

Application Range:

- Diesel engines F9Q for Opel, Renault, & Nissan vehicles



AET-00508

Belt Holder

- Holding the belt firmly on the pulley during installation.
- Universal design to fit most pulley types.
- Durable plastic housing with super strong magnet.



AET-00514

Balancer Shaft Puller (VAG Group)

- Used for removal of balancer shaft on 4 cylinder injection engine. (1.8 / 2.0 L - chain drive)



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 > ...



AET-00542

Chrysler Timing Belt Tension Tool

- Use to Quickly & Accurately Adjust Timing Belt Tension to Manufacturers Specifications on Chrysler 2.2 L & 2.5 L Engines



AET-00656

Mercedes Belt Tension Tool

- Effectively Compresses hydraulic Belt Tensioner on Mercedes W169 & W245 (Alternator with Start-Stop Function).



AET-00572

VW , Audi Camshaft Locking Tool (4.2)

- For setting timing in VW/Audi engines 2.5L I5 (BGP, BGQ, BPR, BPS, CBTA & CBUA), 3.2L [V6] (4V)(BKH), 4.2L [V8] (4V)(BAR,BNS,BVJ, BYH & CAUA) & 5.2L (V10)(4V) (BXA & BSM).



Applicable:

- (0005-2008), A4 Avant (2005-2008), A4 Cabriolet(2007-2009), A6(2005-2009), A6 Avant (2006), A8(2007-2009), A8 L (2007-2009), Q7(2007-2009), R8(2008-2009) RS4(2007-2008), S5(2008-2009), S6(2007-2009) & S8(2007-2009) VW JETTA (2005-2012), JETTA SPORTSWAGEN (2008-2009), BEETLE (2006-2010), BEETLE CONV. (2006-2010), RABBIT(2006-2009) & TOUAREG (2007-2009)



Engine Tools

引擎修護工具

AET-00581

Accessory Belt Tensioner Unloader (GM group)

- Used to service the accessory belt.



Application			
Engine Mechanical	Astra:2008-2010	HHR:2006-2011	Regal: 2013
	AURA:2007-2010	ION:2003-2007	Sky. 2007-2010
	BAS Hybrid: 2007-2010	L200/LW200: 2000-2005	Solstice: 2006-2010
	Captiva Sport:2008-2011	L300/LW300:2000-2005	Verano:2013
	Captiva: 2007-2011	Malibu Classic: 2008	VUE-AWD:2002-2007
	Cobalt:2005-2012	Malibu:1998-2001	VUE-FWD:2002-2007
	Equinox. 2005-2011	Pursuit:2005-2007	VUE Hybrid: 2008-2010
	G5:2007-2010	Regal:1998-2004	VUE: 2002-2010
	G6:2005-2010	Regal: 2011	
Engine Electrical	Astra:2008-2010	L200/LW200:2000-2005	RELAY:2005-2008
	AURA:2007-2010	L300/LW300:2000-2005	Sky. 2007-2009
	BAS-Hybrid:2007-2010	Malibu Classic: 2008	Solstice: 2006-2009
	Cobalt:2005-2010	Malibu: 1998-2010	VUE-AWD: 2002-2007
	Equinox. 2005-2010	OUTLOOK:2007-2010	VUE-FWD: 2002-2007
	G5:2007-2010	Pursuit:2005-2007	VUE Hybrid: 2008-2010
	G6:2005-2010	Regal: 1998-2004	VUE:2002-2010
	HHR: 2006-2010	RELAY-AWD:2005-2007	
	ION: 2003-2007	RELAY Ext: 2005-2007	
Body	Astra:2008	HHR:2006-2011	RELAY-AWD:2005-2007
	AURA:2007-2009	ION: 2003-2007	RELAY Ext:2005-2007
	BAS Hybrid: 2007-2009	L100: 2000-2002	RELAY:2005-2008
	Cobalt:2005-2010	L200/LW200:2000-2005	Sky. 2007-2009
	Cobalt:2012	L300/LW300:2000-2005	Solstice: 2006-2009
	Equinox:2005-2011	Malibu Classic: 2008	VUE Hybrid: 2008-2010
	G5:2007-2010	Malibu:1998-2009	VUE: 2007-2009
	G6:2005-2009	OUTLOOK: 2007-2009	
HVAC	Cobalt:2005-2007	Malibu:1998-2007	VUE-AWD:2002-2007
	Equinox. 2005-2007	Pursuit:2005-2007	VUE-FWD:2002-2007
	G6:2005-2007	Regal: 1998-2004	VUE Hybrid: 2008-2010
	HHR:2006-2007	RELAY-AWD: 2005-2007	VUE: 2002-2008
	ION: 2003-2007	RELAY Ext: 2005-2007	VUE: 2004-2010
	L200/LW200:2003-2005	RELAY:2005-2007	
	L300/LW300:2000-2005	Solstice: 2006-2007	
Engine	Captiva: 2012	HHR:2011	Regal:2011-2013
	Cobalt:2012	Malibu:2011-2012	Verano:2013
	Equinox. 2011	Orlando:2013	
Gas Mechanical	L100:2000-2002	L200/LW200:2000-2003	L300/LW300:2000-2005

AET-00535

Tensioner Tool (V-Ribbed Belt)

- The tensioner tool enables the automatic tensioner pulley to be released when replacing a V-Ribbed belt.



Advantage:

- The lever head attachment is reversible / interchangeable.
- Suitable for V-Ribbed belts as found in VW Polo , Golf , Passat , T4 & Audi. (Engine codes : ASN , BBJ)

AET-00559

Assembly Lever for V-Ribbed Belt

- For the operation of the tensioner roller & for installing the V-Ribbed belt on MERCEDES-BENZ type 168, 169 (A-Class) , 245 (B-Class)



AET-00545

VOLVO Serpentine Belt Tool

- This square head wrench fits into the idler pulley & turns it to release tension for replacement of the serpentine belt.



Applicable:

- VOLVO vehicles after 1995 / Drive size: 19 mm square
- Length: 310 mm

AET-00528

EGR Valve Disassembly Tool (Hyundai / Kia)

- Used to disassemble the exhaust gas recirculation (EGR) valve without damaging the parts.
- Suitable for Hyundai / Kia 2.0L or 2.2L diesel R-engine.



Engine Tools

引擎修護工具



AET-00611

BENZ Timing Tool Set (M270 , 274)

- Specially Designed to Position The Camshaft in TDC Position.
- Applicable :
1.6L ,V4 Engine, A class & B Class. Old / New M270 , M133 ,M274 Engine.
- MM Number :
270 589 00 6100 ,
270 589 01 6100.



AET-00655

BENZ Engine Timing Tool (M271)

- Designed for Mercedes Vehicles Fitted with the Chain Driven 1.8 Petrol Engines (Engine Code Pre Fix 271.XXX)
- The Engines are Found Across the Mercedes Benz Range Including C Class, E Class, CLC, CLK & SLK as Well as the Sprinter Vans Form as Early as 2002 up to 2015
- The Set Includes the cam Locking tool Required When Removing the Camshaft Pulleys



AET-00651

OPEL / Vauxhall Timing Tool Set

- Applications: Astra-G|H|Corsa-D |Insignia|Mervia|Signum |Vectra-C |Zafira-B 2003-2011.
- Also Fits Chevrolet Cruze , Orlando 1.4|1.6|1.8 & Fiat Croma , Alfa Romeo 159 With 939A4.000 Engines.
- For GM Derived Belt Driven Engine 16V1.6 & 1.8 Z & A Engine Codes Found in Vauxhalls Chevrolets , Fiats & Alfa Romeo ' S. 2003-2012.
- For GM Engines Fitted to Vauxhall / OPEL & Other Vehicles 16V 1.6 & 1.8.



AET-00522

VAG Timing Tool Set (For EA211)

- Use for Correct the Camshaft & Crankshaft Timing Position.
- Use While Change the Timing Belt.
- Applicable: VAG SERIES EA211 FSI, TSI, TFSI ENGINE (1.0L , 1.2L, 1.4L & 1.6L).
- VM NUMBER : T10340 ,T10494 , T10499 ,T10487 ,T10476 ,T10477



AET-00588

BMW Camshaft Alignment Tool (N47)

- Applicable : BMW N47/N47S/N57 2.0 Diesel Engines.
- Installing & Removal of Camshaft & Variable Camshaft Timing Unit.



AET-00568

Engine Timing Tool Set

- For 1.6/ 2.0 Tdi
- For The 5th Generation VAG " Blue Motion " Engine Fitted With a Common Rail Diesel System.



AET-00529

Timing Chain Test Tool

Application :

- Checking Elongation of Timing Chain
- Type / Model : Various VOLKSWAGEN Group Models
- Engine / Assembly Group :
4-cyl. Injection Engine (1.2 l Engine, Direct Injection, Turbocharger)
4-cyl. Injection Engine(1.4 l Engine, Direct Injection, Turbocharger)
- Reference : For Example :
Golf 2009 > 4-cyl. Injection Engine (1.4 l Engine , Direct Injection , Turbocharger)



AET-00589

Engine Timing Tool

- For Vauxhall Opel, Saab, Chevrolet.
- Developed Specifically for The High Power Output 2.0 Litre & 2.4 Litre Twin Cam Turbo Charged Petrol Engines Found Across the GM , Chevrolet & Saab Ranges .
- This Set Provides All the Components Required to Set & Hold the Camshafts , Crankshaft & Chain Tensioner Components When Performing Major Engine Work or Replacing the Cam Chain & Associated Components.





Engine Tools

引擎修護工具

AET-00771K

Ratcheting Serpentine Belt Tool Set (15PCS)

- Complete tool set for removing or installing the serpentine belt on vehicles with a spring loaded belt tensioner pulley
- Long bar can hold sockets directly or attach to the ratcheting wrench for maximum access

Contents:

- 1PC Long Bar
- 1PC Special GearWrench Ratcheting Wrench
- 3PCS Adapters 3/8", 1/2" and 3/4"
- 7PCS 6 Point Sockets 13, 14, 15, 16, 17, 18, 19mm
- 3PCS Crowsfoot 13, 14, 15mm



AET-00401

Toyota Timing Belt Tensioner Tool

- Effectively compresses hydraulically activated timing belt tensioners on 1995 and later Toyota T-100, Tacoma, and 4-Runner trucks.
- Also works on Toyota 5VZ-FE, 3.4L V-6 and 4.0L, 4.3L, 4.7L V-8 engines.



AET-00358

Volvo / Ford Crankshaft Holding Tool (Petrol & Diesel)

- Designed to counter-hold the vibration damper while loosening / tightening the crankshaft central screw.
- Suitable for Volvo 1.6, 1.8, 1.9, 2.0, 2.3, 2.4, 2.5, 2.8, 2.9 and Ford 2.5, 4 and 5-cylinder petrol engines ; 2.0 and 2.4, 5-cylinder diesel engines. Volvo: C30, C70, S40, S60, S70, S80, V40, V50, V60, V70, XC60, XC70, XC90 / Ford: Focus, Galaxy, Kuga, Mondeo, S-MAX



AET-00507

1/2" DR. VAG Camshaft Adapter Socket

- Used to rotate & hold intake camshaft during timing chain service on 4-cylinder 1.8 & 2.0 liter
- 4V TFSI direct injection engine (generation III).
- OEM Ref. T40266
- Suitable for :

AUDI : A4 2008~,
A5 Cabriolet 2009~,
A5 Coupe 2008~,
Q5 2008~, A3 2012~

SEAT : Alhambra 2011~,
Exeo 2009~, Altea 2009~, Leon 2009~,
Altea XL 2009~, Altea Freetrack 2009~



AET-00402 / AET-00403 / AET-00404

Water Sensor Wrench for Duramax

- AET-00402: 2001 ~ 2011 6.6L Duramax diesel engines.
- AET-00403: 2012 ~ 6.6L Duramax diesel engines (OEM version)
- AET-00404: 2001 ~ 2011 6.6L Duramax diesel engines (Aftermarket version)
- For use when replacing the fuel filter or when servicing the water sensor.
- The plastic sensor is easily damaged by tools that do not specifically fit the sensor.



AET-00456

Volvo Camshaft Locking Tool

- The tool holds the camshafts in place during timing belt replacement to prevent unexpected movement and ensure proper camshaft alignment.



Engine Tools

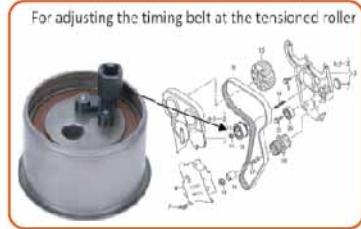
引擎修護工具



AET-00475

1/4" DR. Belt Timing Extension

- Size: 8-25 mm



AET-00232

Puller For Ribbed Drive Pulleys

- Clamps onto any ribbed pulley.
- Suitable for use on crankshafts, alternators, air conditioning units and water pumps.



AET-00279

Timing Pulley Puller

- This tool is designed for removing drive pulleys with face grooves.
- The tool removes a pulley absolutely free of any risk of damage.
- The tool is adaptable to different pulley diameters, as the legs are adjustable.
- For removing pulleys with 3, 6, 9 slots.
- Surface finish: chrome plated, screw blackened

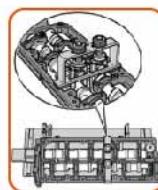
- A:** Regulator x 1 pcs
B: Bracket x 1 pcs
C: Blots x 1 pcs
D: Hooks x 3 pcs
E: Locking Nuts x 3 pcs



AET-00268

Camshaft Fitting Tool

- Audi A4 2001 , Audi A6 2005 , Audi A8 2003 6-cyl. TDI Common Rail 2.7l and 3.0l 4 valve engine 8-cyl. TDI Common Rail 4.0l 4 valve engine For fitting camshafts in cylinder head.



AET-00315

Timing Tools

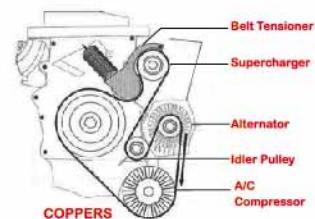
- Timing tool for volkswagen lupo and polo 1.2 litre engiens.2 and 3 cylinder. 6/12 valve
- For single camshaft use.
- OEM Ref:T10414



AET-00312

Engine Timing Tool Set for BMW MINI W16D

- For BMW MINI.
- A diesel engine timing tool kit for BMW mini with engine codes W16D16(9HZ) and W16D16UO used on mini, mini CLUBMAN (07-10) with CHASSIS R55/56 /57.
- Also used on some citroen and peugeot models: CITROEN : 1.6 DIESELS IN C2/ XSARA PICASSO / C4/ C5/ C4 PICASSO/ GRAND PICASSO/ BERLINGO.
- PEUGEOT:1007/ 206/ 307/ 207/ 308/ PARTNER MK3.





Engine Tools

引擎修護工具

AET-00281

Long Reach Balancer/Pulley Installer

- Install crank pulley or underdrive pulley on many late model Ford, GM, Dodge and Chrysler vehicles with V8 and V6 engines, with or without recessed threads. Traditional smaller installer kits will not work in many of these applications.

Contents:

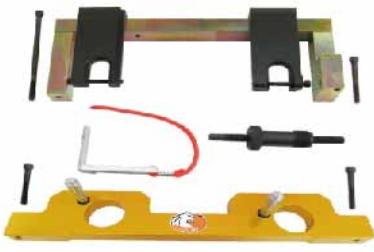
- 1PC M16 x 2.0- GM
- 1PC M14 x 1.5-Dodge, Chrysler, Jeep
- 1PC M12 x 1.75- Dodge, Chrysler, Jeep
- 1PC M12 x 1.5-Ford



AET-00297

Timing Tool Set-BMW (N20/N26)

- Designed for fixing the camshaft in TDC position.
- Use the tool to dismantle and assemble intake and exhaust camshaft.
- Applications: BMW N20, N26 engine
- OEM Ref: 83 30 2 212 831, 83 30 2 212 830, 83 30 2 219 548, 119340



AET-00288

Timing Tool Set-Mercedes-Benz(M157/M276/M278)

- Used to align the camshaft timing angle for correct position.
- Applications: BENZ M157, M276, M278 engine
- OEM Ref: 276589014000



AET-00534

Cam Gear Holder

- The clamp between the engine block or head & the back of the gear to lock it in place.
- Use on single, dual, or quad cam engines to hold valve timing during belt replacement.
- Excellent for diesel injection pump belt replacement.
- The cam gear holder's universal design is quick & easy to install.



AET-00296

Engine Timing Tool Set-BMW (S54)

- For checking and setting camshaft timing while installing VANOS adjustment unit on S54 engines.
- Applications: M3 cabriolet (00~06), sports coupe (99~06), CSL sports coupe (03~04)
- OEM Ref: 119140, 119130, 119170, 117340, 115100, 117160, 112300



AET-00363

BENZ Camshaft Lock Set w/ Adjustable 38mm Wrench

- 38 mm special wrench for turning the cam. Used with M112-0132
- Application: M112, M113
- Camshaft Spanner
- Camshaft Locking Tool RH
- Camshaft Locking Tool LH



Engine Tools

引擎修護工具



AET-00311

VW/ AUDI Engine Timing Tool Set (TFSI)

- Special designed to align camshafts when adjusting timing.
- For securing camshafts when adjusting timing.
- Application: audi a6 2005>6-cyl.petrol direct injection 2.8l 4v engine , audi:2009+a6 with 3.0l supercharged v6 4v (ccaa) OEM Ref:T40133



AET-00286

Timing Alignment Tool Set-Mercedes-Benz (M651)

- The retaining device makes it possible to position the camshafts in the installed position. Also for turning, installing, and removing the crankshaft pulley.
- Applications: BENZ M651 engine (07~)
- OEM Ref: 651589014000, 651589004000



AET-00418

Cam Holding Tool For Mercedes-Benz Engines

- Unique tool designed to lock the left intake cam in place while servicing the cam chain Drive system.
- Lock placed in rear intake cam and bolted to cylinder head locking the cam keeping it From rotating-reduces chance of mistake in the cam timing.
- Keeps related components in time with each other eliminating need for additional Man hours to hold cam in place.

Application Range:

- Used on 272 and 273 Series MERCENDES-BENZ engines



MERCEDES-BENZ 272/273 ENGINE CAM LOCK

Model	Year	Model	Year
C230 (203.052)	2006-2007	E550 4MATIC Sedan (212.090)	2010-2011
C280 (203.054)	2006-2007	E550 Cabriolet (207.472)	2011
C280 4MATIC (203.092)	2006-2007	E550 Coupe (207.372)	2010-2011
C300 (204.054)	2008-2011	E550 Sedan (212.072)	2010-2011
C300 4MATIC (204.081)	2008-2012	E550 4MATIC (211.090)	2007-2009
C350 4MATIC (204.087) CAN	2012	S400 (221.195)	2010-2012
C350 (203.056)	2006-2008	S550 (221.171)	2007-2011
C350 (204.056)	2009-2011	E550 4MATIC (211.090)	2007-2011
C350 4MATIC (203.087)	2006-2007	SL550 (230.471)	2007-2009 2011-2012
CL550 (216.371)	2007-2008	SLK280 (171.454)	2006-2008
CL550 4MATIC (216.386)	2009-2010	SLK300 (171.454)	2009-2011
CLK350 (209.356)	2006-2009	SLK350 (171.456)	2005-2008
CLK350 Cabriolet (209.456)	2006-2009	SLK350 (171.458)	2009-2011
CLK550 (209.372)	2007-2009	G550 (463.236)	2009-2010
CLK550 Cabriolet (209.472)	2007-2009	G550 (463.237)	2011-2012
CLS550 (219.372)	2007-2011	GL450 (164.871)	2007-2012
E350 4MATIC Sedan (211.087)	2006-2009	GL550 (164.886)	2008-2012
E350 4MATIC Wagon (211.287)	2006-2009	GLK350 (204.956)	2010-2012
E350 4MATIC Sedan (212.087)	2010-2011	GLK350 4MATIC (204.987)	2010-2012
E350 4MATIC Wagon (212.287)	2011~	ML350 (164.156)	2009-2011
E350 Sedan (211.056)	2006-2009	ML350 4MATIC (164.186)	2006-2011
E350 Cabriolet (207.456)	2011~	ML450 (164.195)	2010-2011
E350 Coupe (207.356)	2010-2011	ML550 (164.172)	2008-2011
E350 Sedan (212.056)	2010-2011	R350 (251.156)	2008~
E350 Wagon (211.256)	2006~	R350 4MATIC (251.165)	2006-2011
E550 (211.072)	2007-2009		



Engine Tools

引擎修護工具

AET-00590

Engine Timing Set Vauxhall / OPEL 1.6 CDI

- A Comprehensive Set to Lock the 1.6 Diesel Engine Into Its Timed Position for The Removal & Replacement of the Timing Chain to the Models Listed.
- Included in This Set is the Added Component of the Camshaft Sprocket Support Bracket That is Required When Removing the Camshaft for Essential Work on the Cam Followers.
- Applications :
 - Astra-J , Meriva-B , Mokka , Zafira-C , Tourer 2013 Onwards (CDTI , Ecoflex CDTI)
- Engine Codes ; LVL/16DTTH , LVM / B16DTL , LVL / B16DTN , LVM / B16DTC , LWQ / B16DTE , LVL / B16DTJ



AET-00246

Engine Timing Tools-VW & Audi w/4 Grooves And Alu Finish

- This new kit of twelve tools is required for petrol and diesel engine service including timing belt replacement on recent models and also older 1.9d models from 1976.
- Models : Audi : A4, A6, A8, A11 yoad (97-04) VW : passat : (98-04) engines codes : afb, ake, aka aym, bau, bcz, bdg, bdh, bfc. 2pcs 4 grooves and alu finish locking tools (take out 4pcs and add 2pcs, add 6pcs more)

NEW PARTS:

- 1- VW 1.2-1.4-1.9 & 2.0 TDI with "round" crankshaft pulley
- 2- W 2.0 TDI With oval pulley



AET-00235

BMW M62 Vanos Camshaft Tooling

Description:

- BMW V8 (M60/ M62) CAMSHAFT LOCKING FIXTURE
Includes: 2 blocks swivel lock plate & locking pin
for setting camshaft timing
Application: BMW engine models M60, M62
- BMW (M62) VANOSCAMSHAFT TIMING TOOL
For fixing camshaft sensor wheel in position during
Applicable: M62 VANOS
- BMW (M62) Electromagnetic Valve Socket
- BMW (M62) VANOS TENSIONING BRACKET
For screwing in chain tension with top right timing case
cover removed Applicable: Engine M62 VANOS



AET-00573

VAG Timing Tool Set (EA888)

- Use for correcting the camshaft & crankshaft timing position.

Aplicable:

- 2006 ~ 2013 VAG SERIES TSI ,TFSI EA888 ENGINE (1.8L , 2.0OL) . BYT , BZB , CABA , CABB , CABD , CADA , CAEA , CAEB , CAWA , CAWB , CBFA , CCTA , CCZA , CCZB , CCZC , CDAA , CDAB , CDHA , CDHB , CDNB , CDNC , CDND , CES , CETA , CFKA , CGYA , CJEB , CJS , CJSB .
- VM Number : T10352 , /1 , /2 , T10368 , T40196 , T10354 , T10060A , T40011 , T40098 , T40267 , T40271 .



Engine Tools

引擎修護工具



AET-00314

BMW N47/N47S Timing Tool Kit

- For BMW N47/N47S 2.0d Bolt Engine.
- For Chain Type Timing

Contents:

- 118D.E81/87(06-09)
- 120D.E81/82/87(06-09)
- 123D.E81/87/87(07-09)
- 318D.E90/E91(05-09)
- 520D.E60/61(06-08)
- X3.2.0D.E83(07-09)



AET-00389

Engine Timing Tool Set (Ford 2.0 Ecoboost)

- Developed specifically for the chain driven 2.0LT direct Injection petrol engines fitted with variable valve timing.
- For engines fitted with scti ecoboost / TI-VCT petrol engines 2 litre.
- Application: GALAXY, MONDEO, S MAX, FOCUS.
- Engine Codes: TNWA, TNWB, TNBA, TPWA, MGDA, XQDA.



AET-00326

BMW MINI Timing Tool Set

- For BMW MINI N12 , N14.
- Applicable: BMW MINI COOPER 1.4, 1.6 ,16V(N12 , N14)
- CITROEN C4 , C4 PICASSO
- PEUGEOT 207 , 308.
- The kit designed to set the twin camshaft on petrol engine of BMW MINI.



AET-00334

BMW Engine Timing Tool Set
(FOR N42, N46, N46T)

- Checking and adjustment of timing.
- Installing and removal of camshaft / variable camshaft timing unit.
- Applicable:
E87: 118i/120i-N46
E46: 316i/316Ti/318i-46
E90/E91: 318i/320i-N46
E85: Z4, 2.0L-N46



AET-00323

BMW Timing Tool Set (N55)

- This tool is used to lock camshaft in top dead center(TDC)
- Applicable: BMW N55
BMW OEM NO.REF:
114 280/ 281/ 282/ 285/
290, 119 340, 110 300.



AET-00607

Harmonic Damper Pulley Puller Set

- Designed for Chevrolet Camaro 3.6 l Engines.
- Designed to Fit The Small Pockets in the Landings on the Back Side of the Pulley
- Set Includes 4 Push Rods



AET-00332

BMW Engine Timing Tool Set

- Installing and removal of camshaft / variable camshaft timing unit.
- Checking and adjustment of timing.
- Applicable:
PETROL: M40, M43
TWIN CAMSHAFT:
M42, M44, M50, M52,
M52TU, M54, M56



AET-00345

Universal Belt Tensioner Wrench Set

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





Engine Tools

引擎修護工具

AET-00328

BMW Engine Timing Tool Set

- Installing and removal of camshaft / variable camshaft timing unit.
- Applicable: E81/ E87: 116i/ E46/ E90: 316i/ E46: 316CI, 316TI



AET-00266

Diesel Fuel Pump Timing Set

- This Precision Measuring Instrument Is Designed For Resetting The Timing Postion On Diesel Engines With The Following Fuel Pumps Bosch Ep/ve Rotary, Kikki, Nippon, Denso, Cav Rotodiesel, Top Entry These Fuel Pumps Will Be Found On The Following Vehicles With Diesel Engines : Alfa Romeo, Audi, BMW, Saibatsu, Fiat, Ford, Isuzu, Iveco, Lancia, Land Rover



AET-00265

Engine Timing Tool Set V6 GM & SAAB 3.0L And 3.2L

- Engine timing tools set for General Motors/SAAB V6 petrol Engines. (Crankshaft and Camshaft Locking) Tools sold separately
- Application:2002-2003 3.2L VIN N used in Cadillac CTS / 1997-2001 3.0L VIN R used in Cadillac Catera / 2001-2007 3.0L VIN R used in Saturn L300 & LW300 / 1996-2003 3.0L used in SAAB 9.5



Contents		OEM Code
1PC	Crankshaft Locking Tool (RH) (Green)	KM800-2
1PC	Crankshaft Locking Tool (LH) (Red)	KM800-1
1PC	Camshaft Timing Gauge	KM800-20
1PC	Crankshaft Locking Tool	KM800-10
1PC	Belt Holding Tool	KM800-30
1PC	Belt Guide Roller Adjuster	
1PC	Socket	

AET-00391

Enging Timing Tools (Ford & Volvo Ecoboost 1.6)

- VOLVO Engines: 1.6 GTDI
- VOLVO: S60,V60,V70
- FORD Engines: 1.6 SCTI / TI-VCT Ecoboost Petrol
- Includes: FORD B-Max, C-Max, Focus, Galaxy, Grand C-Max, Mondeo, S-Max



AET-00341

Master Engine Cleaner & Tester Kit

Content:

For the motorcycle, vehicle, truck..etc.

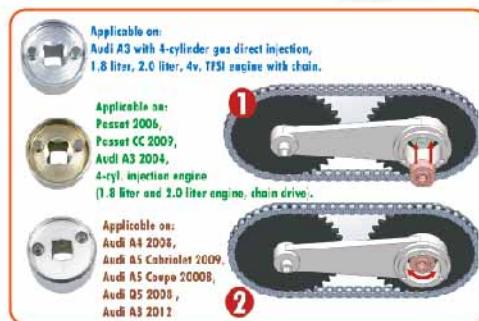
- 1PC- Safety goggles
- 1PC- Main test gauge w/ special coupler, adapter & control valve
- 1PC- 1.2M rubber hose w/ special coupler & control valve
- 1PC- 250cc plastic bottle with one tooth coupler
- 2PCS- Copper nipple diameter 6.5 & 8.0 mm
- 2PCS- Pipeline coupler 6.3 & 7.89 w/ copper nipple
- 1SET- Stainless cleaner canister w/ safety & regulator valve
- 1PC- Pressure gauge can be read & control the air pressure into the canister more easily



AET-00439

VW, Audi Camshaft Adjusting Socket

- Set of 3 Assembly Tools for installation and removal 4/3-way central valve for camshaft adjustment.
- Applicable on: Audi A3 with 4-cylinder gas direct injection, 1.8 liter, 2.0 liter, 4v, TFSI engine with chain.
- Set of 3 sockets. 3/8" drive, outside diameter 34mm.



Engine Tools

引擎修護工具



AET-00270

Engine Timing Tools For Ford

- Applicable: for FORD 1.25L 1.4L 1.6L 1.8L 2.0L 2.4L Cmax / Cougar / Couier / Duratec-SCI / Fieata / Focus / Fscore / Fusion / Kombi / Mondeo / Puma / Sierra / Tourneo / Transit petrol engine and diesel engine



Contents		OEM Code
1PC	Camshaft Alignment Bracket	21-105
1PC	Injection Pump Locking Pin 15.4mm	23-047
2PCS	Camshaft / Fuel Pump Alignment Pin	21-26 / 303-732
1PC	Crankshaft Timing Peg	303-1061
1PC	Camshaft Alignment Tool	303-1060
1PC	Camshaft Locking Pin 5mm	21-260 / 303-732
1PC	Camshaft Crankshaft Timing Pin	21-262 / 303-735
1PC	Flywheel Locking Pin	21-234 / 21-251
1PC	Flywheel Locking Pin 11.5 mm	21-262 / 303-734
1PC	Crankshaft Alignment Pin	303-620 / 21-163
1PC	Crankshaft Alignment Pin	21-210
1PC	Setting Pin 12.5 mm	23-020
1PC	Setting Pin 9.5 mm	21-123
1PC	Shim Set	-
1PC	Lock Strap	21-162 / 21-162B / 303-367 / 303-376
1PC	Setting Pin 8.25 x 95 mm	23-029
3PCS	Camshaft Sprocket Puller	303-651
1PC	Pump Cover Assembly	21-238
1PC	Locking Tool	303-1151
2PCS	Flywheel Locking Pin	21-234 / 21-251
3PCS	Sprocket Retaining Plate Locating Pins	-
3PCS	Camshaft and Fuel Pump Sprocket Locking Pin 6mm	-
1PC	Cam Belt Tensioner Locking Pin	T4001
1PC	Injection Pump Timing Pin 6 mm	20-019
1PC	Flywheel Locking Pin	310-084/23-058
1PC	Crankshaft Sprocket Alignment Tool	23-059 / 310-085
1PC	Setting pin	303-193 / 21-104
1PC	Flywheel Locking Tool	303-393 / 21-168
1PC	Injection Pump Setting Pin and Washer 6 mm	23-019
1PC	Chain Cover Alignment Tool	303-652
1PC	Fuel Sprocket Remover	303-0985
1PC	Long Tooth Block	303-393-01
1PC	Very Short Tooth Block	303-393-02
1PC	Camshaft Alignment Strap	303-376B / 21-162B / 303-367
1PC	Flywheel Locking Pin 9.4 mm	21-262 / 303 734
1PC	Tensioner Locking Pin	303-1054
2PCS	Crankshaft Alignment Pin	303-748 / 303-1059
1PC	Camshaft Sprocket Lock	303-1097
1PC	Camshaft Injection Pump Locking Pin 8 mm	303-735
1PC	Setting Pin 8 mm	-
1PC	Setting pin 6 mm	-



Engine Tools

引擎修護工具

AET-00249

Crankshaft Pulley Remover/Installer Tool Kit For Jaguar / Land Rover

- Crankshaft Pulley must be removed for engine overhaul applications / removal of front timing chain cover.



AET-00240

Glow Plug Removal Set (16 PCS)

Contents:

- 1PCS : Hex 12mm spindle (Hex 30mm nut, cone center tool)
- 1PCS : Drill installer
- 2PCS : 1/4"-28 UNF : Hex 8mm
- 2PCS : Φ6×3.5×40L
- 1PCS : 3 mm alley key
- 1PCS : 9.7 mm square socket
- 1PCS : 7 x 5.5
- 1PCS : 9 x 5.5
- 1PCS : T - handle
- 2PCS : Φ3.5 drill
- 1PCS : M10×P10
- 1PCS : M8×1.0
- 1PCS : 1/4"-28 UNF



AET-00244

Locking Kit VAG Pumpe Duse 1.2、1.4、1.9 TDI PD

- Applications : Audi : A2 (01-06), A3 (01-08), A4 (99-08), A6 (98-08), Seat : Alhambra (99-08), Altea (04-08), Arosa (99-06), Cordoba (02-08), Ibiza (02-08), Leon (00-08), Toledo(04-08), Skoda : Fabia(00-07), Octavia (00-08), Roomster (07-08), Superb (02-08), VW : Beetle (00-08), Bora (98-08), Caddy (03-08), Fox (05-08), Golf (98-08), Golf Plus (05-08), Jetta (05-08), Lupo (99-05), Passat (98-08), Polo(99-08), Sharan(99-08), Touran(03-08), Transporter (03-08)
- Engine Codes : 1.2 TDI PD-ANY, AYZ, 1.4TDI PD-AMF, ATL, BAY, BHC, BNM, BNV, 1.9TDI PD-AJM, AMG, ANU, ARL, ARX, ASZ, ATD, ATJ, AUY, AV



Description	Part Number	OEM Code
VSE5952.01	Camshaft Sprocket Hub Holding Tool	T10051
VSE5952.02	Camshaft Hub Remover	T10052

AET-00273

Engine Timing Tool Kit For Toyota,Mitsubishi

Applications:

- For Toyota, Mitsubishi
- Important kit when working on the motor,e.g. timing belt, general motor settings, camshafts



AET-00239

Diesel Engines Locking Tools Set For OPEL Renault Nissan 1.5/1.9/2.2/2.5 DCI (VANS)

- Renault : Clic, Megane, Scenic, Lanuna, Espace, Kangoo, Trafic, Master (99 - 04)
- Nissan : Primastar, Kubistar, Micra, Interstar.
- Opel : Movano, Vivaro
- ENGINE : 1.5,1.9,2.2, 2.5DCI (K9K, K9Q, G9T, G9U) To prevent the engine shafts (camshaft crankshaft) from turning belt tensioner when changing a timing belt or during other engine repairs.
- Injection pump locking tool for Renault Clio, Megane, Laguna, Kangoo 1.9 DTI engines Engine Codes F9Q 717/731/ 780- OEM Code MOT 1200 - 01



AET-00236

Petrol Engine Twin Camshaft Setting / Locking Tool Kits

- BMW Mini, Citroen and Peugeot 1.4 and 1.6 16V. Valvetronic/ Direct Injection Petrol engines in.
- BMW MINI : R55 R56 Cooper S, R55 R56 Cooper,R56 Mini One
- CITROEN : C4, C4 Picasso
- PEUGEOT : 207,308
- Engine BMW : N12(1.4/1.6) and N14 (1.6)
- PSA : EP3, EP6 and EP6DT/DTS



Contents

1PC	Flywheel Locking Pin
1PC	Exhaust Camshaft Setting Plate
1PC	Inlet Camshaft Setting Plate (N12/EP3/EP6)
1PC	Inlet Camshaft Setting Plate Assembly(N14/EP6DT/DTS)
1PC	Chain Tensioner Pre Load Tool

Engine Tools

引擎修護工具



AET-00243

Petrol Engine Twin Camshaft Setting/ Locking Tool Kits

- The full kit incorporating the timing tools required for all K4J/ K4M/ F4P/ F4R 1.4,1.6 1.8, 2.0 (t)16V petrol engines, and also covers K9K 1.5DCI diesel engines.
- Applications :
RENAULT 1.4, 1.6, 1.8, 2.0 16V Twin Camshaft petrol engines in :
Clio / Modus / Megane / Scenic Laguna Kangoo K4J/K4M 1.4 & 1.6 16V. engines Clio Megane / Scenic Laguna Espace Trafic F4P/ F4R (t)1.8 & 2.0 16V. engines



AET-00253

Universal Sprocket Locking Kit

Comprises:

- Engine timing/Sprocket locking device twin camshaft,quad cam and diesel injection pump sprockets timing position retention and extension bridge piece.
- Engine timing/ Sprocket locking device single camshaft and two cam V engine sprockets.



Operation :

- Slacken both ratchet handles and with the plates close together,position them on top of the sprockets.locate the lugs of the left-hand plate into the teeth of the sprocket and extend the other plate along the bridge piece,as horizontally as possible, to locate the other sprocket.
- Force the plates apart and into the sprocket teeth .
- Tighten the ratchet handles to give firm fixing.check that all four lugs fully engaged in to the sprocket teeth.

AET-00245

Engine Timing Tool Set (VAG 1.6 /2.0 TDI)

- Audi:
A3 1.6(2009) ENGINE CODE : CAYB/ CAYC A3/ A4/ A6/ Q5 2.0 (2007) ENGINE CODE : CBAB/ CBBB/ CBA/ CFFB/ CAGA/ CAHA/CAGB/ CAHB/ CAGC
- Seat:
EXEO 2.0(2009) ENGINE CODE:CAGA/CAHA/CAGA
- Volkswagen:
GOLF/ GOLF PLUS 1.6(2009) ENGINE CODE : CAYB/ CAYC TIGUAN/PASSAT/EOS/GOLF/GOLF PLUS 2.0(2008) ENGINE CODE : FCA/ CAAA/ CAAB/ CAAC/ CCHA/ CAVA/ CBAB/ CBDA/ CBDD/ CBBB/ CBAA/ CBAC/ CBDA/ CBDC



AET-00248

Petrol Engine V8 Setting/ Locking Tool Kit For Jaguar/ Land Rover

- For Land Rover Models:
1- New Rang Rover (06-09) / 4.2 428PS, 4.4 448PS Engines.
2- Range Rover Sport (05-09) / 4.2 428PS, 4.4 448PS Engines.
3- Discovery 3 (05-09)
- For Jaguar Models:
1- XJ8 (97-09)/ AJ26 series Engines/ 3.2 AV/ 4.0 BC LC/ 4.2 1B 5G SB.
2- XJR (97-9)/ AJ27 series Engines/ 3.2 KB/ 4.0 CC MA/ 4.2 2B 9G TB.
3- S-Type (99-08)/ AJ28 series Engines/ 3.2 KC/ 4.0 CE MB/ 4.2 3B HB PC.
4- XF (08-09)/ AJ34 series Engines/ 3.2 3.5/ 4.0 DC NB/ 4.2 1G HG.
5- XK8 (97-09)/ 3.2 RB/ 4.0 EC NC.
6- XKR(98-09)/ 4.0 GB PA/ 4.0 GC PB & 4.0 LB



Contents		OEM Code
1PC	Injection Pump/ Camshaft Alignment Pin	T20102/ 3359
1PC	Crankshaft Pulley Locking Tool (Bored)	T10050
1PC	Crankshaft Pulley Locking Tool (Non-bored)	T10100
1PC	Tensioner Pulley Locking Tool	T40098
1PC	Auxiliary Tensioner Locking Tool (3.9mm)	T10265
1PC	Tensioner Pulley Adjustment Tool (2.4mm Hex key)	T10264
1PC	Sprocket Holding Tool	T10051
1PC	Cam Sprocket Hub Puller	T10052
1PC	Cam Sprocket Hub Puller	T10052
1PC	Oil pump Balance Shaft Alignment	T10255

Description		OEM Code
B	Camshaft Locking Bridge x 2	303 530
C	Camshaft Sprocket Holding Tool	303 532



Engine Tools

引擎修護工具

AET-00272

VAG Petrol And Diesel Engine Timing Kit

Applications:

- Covers most of the VAG group's petrol and diesel engines.
- AUDI: 80, 100, A2, A3, A4, A6, TT.
- SEAT: Terra, Ibiza, Cordoba, Leon, Toledo, Inca & Alhambra.
- SKODA: Fabria, Felicia & Octavia.
- VW: Lupo, Polo/Classic, Caddy, Golf, Jetta, Vento, Bora, New Beetle, Passat, Sharan, Transporter & LT.



AET-00483

New Common Rail Injector Repair Socket Set (8 PCS)

- The Sockets Are Required To Loosen And Remove The Injectors Inside Screw
- Suitable For Bosch Denso, Siemens Cr Injectors



AET-00496

Diesel Engine Setting / Locking & Injection Pump R+I Kit

- Ensure that the front crankshaft seal is correctly aligned and will not fail prematurely.



AET-00271

Diesel Engine Locking Tool Set For OPEL Renault Nissan 1.5/ 1.9/ 2.2/ 2.5 DCI (VANS)



AET-00275

Engine Timing Tool Set (CITROEN & PEUGEOT)

• CITROEN:

- C1 (05-09), C2 (03-09),
C3/Pluriel (02-09), C4 (04-09),
C4 Picasso (06-09), C5
I/ II/ III (04-09), C6 (06-09),
C8 (02-07), Xantia (98-01),
Xsara (99-06), Xsara Picasso
(99-09), Evasion/Synergie
(99-02), Berlingo (99-09),
Dispatch/ Jumpy (99-09),
Relay/ Jumper I/II (01-06), Xsara (98-04), C15 (01-06),
Dispatch/ Jumpy (99-07), Berlingo (98-07), Saxo (96-03),
ZX (91-98), Xsara (97-00), Xantia (93-01), XM (90-01),
Evasion/ Synergie (95-00), C15 (93-02), Berlingo (96-99),
Dispatch/ Jumpy (95-01), Relay/ Jumper (94-02), C2 (03-09),
C3/Pluriel (04-09), C4 (04-09), Saxo (00-03), Xsara (00-04),
Berlingo (01-09), Xsara (00-05), Xsara Picasso (99-07),
C4 (04-09), C4 Picasso (06-09), C5/ II/ III (00-09), C8 (02-09),
Evasion/ Synergie (00-02), Dispatch/ Jumpy (00-09),
C2 (03-09), C3/Pluriel (02-09), C4 (04-08), AX (91-97),
Saxo (96-03), ZX (91-98), Xsara (97-006), Xsara PICASSO
(99-06), Xantia (93-01), XM (93-00), Evasion/ Synergie (94-01),
C15 (92-98), Berlingo (97-09), Relay/ Jumper (94-06)



• PEUGEOT:

- 107 (05-09), 1007 (05-09), 206/ CC (99-09), 207 (06-09),
306 (99-02), 307/ CC (01-09), 308 (07-09), 406 (98-04),
406 Coupe (00-06), 407 (04-09), 607 (00-09), 806 (99-02),
807 (02-07), Partner (99-08), Expert I/ II (99-07), Boxer I/II
(02-06), 206 (98-04), 306 (98-02), Partner (98-07), Expert
(99-07), 106 (94-03), 306 (93-00), 406 (95-00), 605 (93-00),
806 (95-00), Partner I/II (96-00), Expert (95-00), Boxer (94-02),
106 (00-03), 1007 (05-09), 206/ CC (00-09), 207 (06-09),
306 (00-02), 307 (01-08), Partner (00-09), 206/CC (98-07),
307/ CC (01-09), 406/ Coupe (99-06), 407/ Coupe (04-09),
607 (00-09), 806 (00-02), 807 (02-09), Expert I/ II/ III (00-09),
106 (93-03), 1007 (05-09), 205 (89-96), 206/ CC (98-09),
207 (06-08), 306 (93-03), 307/CC (01-09), 405 (92-97),
406 (95-02), 406 Coupe (97-02), 605 (93-00), 806 (94-01),
Partner I/ II (96-07), Boxer I/ II (94-06)

AET-00502

Engine Timing Tool – VAG 1.8/2.0I FSI/TFSI

Introduction:

- The kit consists of 13 main components which include the tools recommended by the manufacturer to set No.1 cylinder at TDC.
- It is important that the correct process is followed when setting up these engines.
- Use for correct the camshaft and crankshaft timing position.
- 4 Cylinder EA888 Petrol:
1.8 R4 16V TSI/TFSI,
2.0 R4 16V TSI/TFSI



Engine Tools

引擎修護工具



AUT-00252

Clutch Aligner Tool For Trucks (6 PCS)

- For Trucks With Single Or Double Disc Clutches (Universal)
- This Tool Set Allows The Correct Alignment Of Single Or Double Disc Clutches Of Trucks And Tractors To The Engine.
- Mandrel NO.1 Is Applicable On Interior Clutch Hub-ø From 36-45mm Inside.
- Mandrel NO.2 Is Applicable On Interior Clutch Hub-ø From 42-52mm Inside.
- The Clutch Aligner Kit Contains Centering Sleeves With Ø20, 25, 27 And 30mm.

Material:

- Body : Aluminum
- Mandrel : Carbon Steel
- Sleeve : Carbon Steel



AET-00547

Puller For Clutch Release Shaft

- Intended for the removal of the clutch release shaft.
- This tool is needed when removing the gearbox, for example when replacing clutches or for gearbox repairs.
- For pulling type clutches fitted to:
Mercedes, BMW,
Fiat Ducato (1994 on)



AET-00282

Stretch Belt Tool Kit

- Kit for mounting and dismounting the stretch belts without damaging pulleys and belts.
- For BMW, Daihatsu, Ford, Mazda, Volvo and other.

Contents

1PC	32mm Belt Installer
1PC	45mm Belt Installer
1PC	50mm Belt Installer
1PC	Belt Remover
1PC	Self Locking Nut
1PC	M8 Fixing Nut
	Screw (M8x25, 5.9mm/ M8x40, 5.7mm/
5PCS	M8x53, 5.7mm/ M8x65, 5.6mm-short/ M8x65, 5.6mm-long)



AET-00716K

Angle Driver For Moto

- Deep access tool particularly suited to adjustment of motorcycle carbs.
- One turn of handle equals one turn of blade.
- 90° and straight gear-boxes.

Contents:

- Slotted Bits: 5mm*95, 58, 36, 28, 25mm,
- Phillips Bits: #1*36, 60mm,
- Interchangeable Head with 5mm
- Slotted Fixed Bit,
- Bit adaptor,
- Side Handle,
- Shaft with Rotating Handle



AET-00718K

A/C Compressor Clutch Remover Kit

- 1/4 x 1-1/4 (3PCS)
- 3/8 x 1-1/4 (2PCS)
- Replaces Clutches found on FS6, C171, 6P & 148 Compressors for GM R4 & A6, HR-6, DA-6 & V5 A/C Compressors
- Sanden Compressors SD505, 507, 510, 575, 708 & 709
- 2 & 3 Holes Puller Plate Fits Most Clutches, Mechanical Force Does the Pulling



AET-00690K

Rear Axle Bearing Remover Set

- Used for removing rear axle bearings from rear axle housing after it is removed.
- Always Wear Safety Glasses And Gloves.
- Carefully measure the diameter of the bearing to be pulled and match it with the correct size pulling adapter attachment.
- Assemble pulling adapter (A, B or C) to a Slide Hammer 27033 or equivalent with a 5/8" X 18 thread and insert adapter to the inner side of the bearing to be pulled.
- Apply a tight slide hammer stroke with increasing pressure until the bearing is removed from the housing.



Contents

1PC	A. 1 1/2" Adapter
1PC	B. 1 3/4" Adapter
1PC	C. 1 1/4" Adapter



Engine Tools

引擎修護工具

AET-00298

Transmission Rubber Mount Bush Installer & Remover-BMW (X3/ X5/ X6)

- Used to replace the rubber mount of BMW X3/X5/X6 transmission.
- Applications:BMW:
X3/E83 (2004-2010),
X5/E53 (2000-2007),
X5/ E70 (2007-2013),
X6/E71 (2008-2013)



AET-00550

Clutch Centring Disc

- For the clutch disc mounted within the fly wheel
- Adjustment is not possible without this tool, since the outer diameter of the centring disc is decisive.

Application Range:

- Volkswagen, Audi, Seat & Skoda Engines



AET-00548

Clutch Cable Clamp

- When exchanging a clutch, the self-adjusting clutch cable has to be secured by means of the clamp.
- If this is omitted, the clutch cable has to be completely renewed.
- Suitable for VW Golf (II & III), etc.



AET-00461

BMW Line Disconnect Tool

- Used to disconnect power steering and transmission oil cooler line on BMW models and is applicable to 1999 -2011 BMW 3-Series and X5.



AET-00366

BMW Self Adjusting Clutch Fixture

- Use to reset and center the centering ring on self adjusting clutch.
- Use with AET-00365-Self Adjusting Clutch Fixture.
- Applicable:
BMW E34, E36, E38, E39, E46, E52, E53, E85.



AET-00307

Flywheel Locking Tool Set

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



AET-00549

Clamp Set

- For holding the pre-tensioned clutch pressure plate during assembly & disassembly of the clutch

Application Range:

- Opel with front-wheel drive



AET-00461A

BMW Line Disconnect Tool

- Used to disconnect fuel lines on BMW models and is especially useful on 2006-2011 BMW 3-Series and 2006-2009 X3 (E90&E83).



Engine Tools

引擎修護工具



AET-00477

Universal Bearing Seal Race & Seal Driver

- Material: Aluminum Alloy
- Finish: Anodized Silver 3 Stepped Jaws Covers Range OD/ID'S From 18.5-59mm



AUT-00258A

BMW SAC Clutch Mandrel Set

- Suitable for BMW vehicles
- For centering clutch disc on flywheel while installing self adjusting clutch (SAC).
- Designed to align the clutch disc before installing or re-installing a self adjusting clutch (SAC).
- Can also be used to align new & already retensioned SAC clutches.



Choose the appropriate centring tool depending on the hub profile diameter of the clutch disc.

Ø15mm x 23mm	Ø15mm x 32.5mm
Ø15mm x 26.5mm	Ø15mm x 34mm
Ø15mm x 28mm	Centering Sleeve 15mm / 32.5mm

AUT-00264

SAC Clutch Tool Master Set (6 Hole Pitch)

- This set allows the professional disassembling & assembling of all self adjusting clutches (SAC) e.g. on VW, Audi, BMW, Ford, Mercedes, Opel, Renault, Volvo, Etc.
- During the disassembling & assembling operations, the pre-tightening of the pressure plate is required in order to avoid clutch deformations.



- The Face Spanner is a Releasing Tool for The SAC Clutches With Locking Element Used on VW / Audi / Skoda / Seat.



- If The Old Clutch Cover Is to Be Re-Used. It Must First Be Reset. The Adjuster Ring Can Be Turned Back With Clutch Resetting Tool.

Contents	
1PC	Clamping Tool- For 6 or 8 Locking Holes
1PC	Face Spanner
1PC	Compression Strut
1PC	Clutch Mandrel Set (BMW)
1PC	Clutch Resetting Tool
1PC	Handle For Clamping Tool
1PC	Clutch Centering Tools (Centering Handle / Handle Adapter, Clamping Cone, Centering Pin)
4PCS	Knurled Nuts For Threaded Bolts
3SETS	Three Sets of 4 Threaded Bolts (M6 x 1.0 / M7 x 1.0 / M8 x 1.25)



Engine Tools

引擎修護工具

AET-00365

BMW Self Adjusting Clutch Fixture

- Use to install and set all self adjusting clutches (SAC).
- Applicable: BMW E34, E36, E38, E39, E46, E52, E53, E85, Z3.



AET-00455

**Blower Motor Remover / Installer
(Volvo / Land Rover)**

- To remove / install the blower motor.



AET-00543

VOLVO ECU Removal Tool

- Removes the ECU from the body mount on following Volvo models : C70 Coupe (up to '02) S60 (up to '09) S70 & S80 (up to '06) V70 (up to '08) V70XC ('00 - up) XC70 (up to '07) XC90 & C70 Convertible (up to '05)
- Made from spring steel



AET-00753

Jaguar / Land Rover Clutch Alignment Tool

- Specially Designed To Hold The Clutch Centre plate Centrally On The Flywheel In Order To fit The Clutch Cover Plate.
- Fits Land Rover Discovery 3/4 and Defender Pumas.

Applications:

- TDV6 Engine (2.7) Ford Territory, Land Rover Discovery 3 (04-10), Range Rover Sport (05-09), Citroen C5 & C6, Jaguar S-Type, Jaguar XF & XJ, Peugeot 407 & 607
- TD4 Duratorq Engine (2.4) Land Rover Defender (06-13), Ford Transit, 2002-2006 LDV Convoy, 2002 London Taxi TXII



AET-00648-23

**Cooling system
Radiator Cap No. 23**



AET-00647

**90° Connector
For Radiator Adapters**



AET-00752

Jlr Fuel Pump Locking Tool

- This product is specially designed to lock the high pressure fuel pump in its timedposition and changing the high pressure pump drive belt.

Applicable:

- Jaguar: XF (09-14), XJ (09-14)
- Land Rover: Discovery 3 (04-09), Discovery 4 (09-17), Range Rover (12-17), RangeRover Sport (05-17)
- Engine Codes: 3.0D TDV6: 306DT A



AUT-00308

Intake Manifold Release Tool (VAG)

- Used for releasing intake manifold pipes.
- Suitable for 1.0 / 1.2 / 1.4 direct injection engine, turbocharger, petrol: VW Golf 2013, Jetta 2014-2017, AUDI A3 2013, Q3 SEAT Leon 2013, Ibiza 2008, Ateca SKODA Octavia 2013



Engine Tools

引擎修護工具



AET-00756

Bmw Valve Pressure Spring Remover/ Installer

- Specially designed to remove and install the pressure spring on intermediate lever.

Applicable:

- BMW B38, B48 engine



AET-00741

BMW N55 Fuel Injector Install and Remove Tool

- Special designed to install and remove the injector in N55 engine.

Application:

- BMW N55 engine



AET-00742

Fuel Injector Remover and Installer Tools

- A specially designed tool to safely remove and install the high pressure, direct-injection fuel injectors on the BMW N63 and S63 engine families.

Application:

- N63B44O0
 - 2008 E71 X6 x Drive50i
 - 2009 F01/F02 750i/750Li sDrive/xDrive
 - 2010 F07 550i GT sDrive/xDrive
 - 2011 F10/F11 550i sDrive/xDrive
 - 2011 E70 X5 x Drive50i
 - 2012 F12/F13 650i sDrive/xDrive
- N63B44O1(N63TU)
 - 2012 E71 X6 x Drive50i
 - 2012 F01/F02 750i/750Li sDrive/xDrive
 - 2012 F07 550i GT sDrive/xDrive
 - 2012 F10/F11 550i sDrive/xDrive
 - 2012 E70 X5 x Drive50i
 - 2012 F12/F13 650i sDrive/xDrive
- S63B44O0
 - 2010 E70 X5 M
 - 2010 E71 X6 M
 - 2011 Wiesmann GT MF5
- S63B44T0
 - 2011 present F10 M5
 - 2012 present F12/13 M6
 - 2013 present F06 M6 Gran Coupe
- S63B44T2
 - 2015 F85 X5 M
 - 2015 F86 X6 M



ER12P-WK1

Damaged Nut/Bolt Extractor Set (12PCS)

- For use with 12 point sockets and wrenches
- Can be used on up to 80% rounded nuts
- Specially hardened steel components finished in black
- For lightly rounded-off fasteners the caps can be used again and again, but for more damaged fasteners the caps are classed as consumable items (replacements parts are available to keep your set complete)
- Material: Metal powder
- Surface: Phosphate



Contains:

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



AET-00804K

Damaged Nut Extractor Set (10PCS)

- Special teeth design provides a sure grip to remove rounded or damaged nut/bolt
- Designed to easily extract rounded-off, rusted, over-tightened, and painted-on fasteners, damaged bolts, nuts and screws.
- Easy to use in seconds. Portable and re-usable.
- Material: Heavy duty alloy steel
- Surface: Sandblasting



Contains:

- 8, 9, 10, 11, 12, 13, 14, 15, 17 & 19mm





Engine Tools

引擎修護工具

AET-00798

9/16" Extra Long Automatic Slack Adjuster Ratcheting Wrench for Bendix Air Brakes

- **SIMPLIFY BRAKE SERVICE:** Speed up installation and service on Bendix heavy-duty truck brake slack adjusters
- **DEEP HEX:** Deep reaching 9/16-inch hex allows easy reach of recessed adjusters
- **LONG HANDLE:** Extra long handle provides added reach and increased rotational torque
- **BUILT-IN RATCHET:** Built-in ratcheting mechanism has full 360-degree swing for ease of operation
- **COMFORT-DIPPED HANDLE:** Durable steel tool has a dipped handle for added user comfort



AET-00799

7/16" Extra Long Automatic Slack Adjuster Ratcheting Wrench for Haldex Air Brakes

- **SIMPLIFY BRAKE SERVICE:** Speed up installation and service on Haldex heavy-duty truck brake slack adjusters
- **DEEP HEX:** Deep reaching 7/16-inch hex allows easy reach of recessed adjusters
- **LONG HANDLE:** Extra long handle provides added reach and increased rotational torque
- **BUILT-IN RATCHET:** Built-in ratcheting mechanism has full 360-degree swing for ease of operation
- **COMFORT-DIPPED HANDLE:** Durable steel tool has a dipped handle for added user comfort



AET-00732K

Special Wrench Set

- 8mm Suitable the Mercedes engines M102, M103, OM601, OM602, OM603, OM605 and OM606.
- T45 Suitable the Renault 2.2 Diesel engines (G8T)
- T60 Suitable the BMW 5-Series (E60) 2.0 (M54) petrol engines and Mercedes C-Class (W203) 1.8 (OM271) petrol engines etc.
- T50 Suitable the Renault 1.4 and 1.6 TwinCam petrol engines
- T60x40 Suitable the VW-Audi 2.7 and 3.0 V6 TDI Diesel engines



AET-00796

Side Terminal Battery Ratchet Wrench-Extra Long

- Extra length 9-3/4" (248 mm) allows for better accessibility in reaching side terminals
- Insulated handle helps prevent electrical shock
- Reversible ratcheting box wrench allows for quick and effective terminal bolt removal



AET-00721

Extension Ratchet Drive and Low Profile Socket Set

- 340mm / 13.4 in length extension drive bar enables easier works in confined spaces, such as water pump, power steering pump, generator, A/C compressor, transmissions and starter fasteners
- Includes 10 low profile sockets to access to limited space
- Provided with two square drive adapters in 1/4" and 3/8", and an extra 3/8"adapter with small steel ball for detaching low profile socket from the extension drive bar easily
- Chain-driven mechanism enhances working durability and smoothness
- Socket material: Cr-Mo
- Socket surface: Nickel-chrome plating
- Socket height: 17.0 - 20.2mm
- Socket sizes: 8, 9, 10, 11, 12, 13, 14, 15, 16, 17mm
- Max torque allowed: 71.87Nm / 53ft-lb
- Drive bar material: Aluminum
- Drive bar surface: Chrome plating
- Drive bar thickness: 16mm / 0.63"
- Adapter material: SCM 440
- Adapter hardness: HRC 42-45



Engine Tools

引擎修護工具



AET-00764K

Ford Fan Clutch Wrench Set

- Easy access to fan clutch nut on 1984 to 1993 Ford 4.9 Liter E and F series truck engines.
- 1984 to 1987 Ford 4.6 Liter modular engines.
- 2.8 Liter engines.
- 1988 to current 2.9 Liter to 3.0 Liter engines.
- 1990 to current 4.0 Liter engines.
- Each tool includes 1/2" square drive hole for use with breaker bar for more torque.
- Check service manual for torque specifications and thread direction.
- Wrench Sizes: 36mm and 57mm



AET-00578

Radiator / Coolant Cap Wrench (BMW)

- Can be used to loosen stubborn caps on radiators & reservoirs.
- Especially suitable for use in tight spaces.
- Works on BMW Vehicles : E60, E61, E63, E64, E70, E71, E72, E81, E82, E84, E87, E88, E89, E90, E91, E92, E93, F01, F02, F03, F04, F06, F07, F10, F11, F12, F13, F15, F16, F18, F20, F21, F25, F26, F30, F31, F32, F33, F34, F35, F36, F80, F82, F83, F85, F86.



Suitable for the ventilating / locking screw on the radiator on BMW vehicles.

AET-00661

Diesel Filter Wrench (VW / Volvo)

- Special DESIGNED to Remove & Install the Fuel Filter on VW / Volvo Diesel Engine.
- Suitable for VW Crafter 5-cyl. Diesel Engine from 2006. Volvo C30, C70, S40, S60, S80, V50, V60, V70, XC60, XC70, XC90.



AET-00579

Radiator / Coolant Cap Wrench (Ford / Land Rover / Mazda / Volvo)

- Can be used to loosen stubborn caps on radiators & reservoirs.
- Especially Suitable for use in tight spaces.



FORD (1224233, 130114, 3M5H8100AC, 3M5H8100AD)

B-Max	2012 - 2016	Transit Custom 250	2012 - 2016
C-Max	2007 - 2016	Transit Custom 270	2012 - 2016
Courier Pick Up	2001 - 2011	Transit Custom 290	2012 - 2016
Ecosport	2012 - 2016	Transit Custom 300	2012 - 2016
Fiesta	2000 - 2016	Transit Custom 310	2012 - 2016
Fiesta Van	2008 - 2016	Transit Custom 330	2012 - 2016
Focus	2004 - 2016	Transit Custom 340	2015 - 2016
Focus C-Max	2003 - 2007	Transit Tourneo	2006 - 2014
Focus CC	2006 - 2011	Ranger	2011 - 2016
Focus Estate Wagon	2004 - 2016	LAND ROWER (LR000243)	
Focus Van	2004 - 2011	Discovery Sport	2014 - 2016
Galaxy	2006 - 2015	Freelander	2006 - 2014
Galaxy Van	2006 - 2015	LR2	2006 - 2016
Grand C-Max	2010 - 2016	Range Rover Evoque	2011 - 2016
Grand Tourneo Connect	2013 - 2016	MAZDA (LF5015205A)	
Kuga	2008 - 2016	2	2007 - 2014
Mondeo	2007 - 2016	3	2003 - 2016
Mondeo Estate Wagon	2007 - 2016	3 Sport	2012 - 2016
S-Max	2006 - 2014	5	2010 - 2016
Toumeo Connect	2013 - 2016	Axela	2003 - 2009
Tourneo Courier	2012 - 2016	BT50	2011 - 2016
Transit 250	2011 - 2014	VOLVO (30680002)	
Transit 260	2006 - 2014	C30	2006 - 2013
Transit 280	2006 - 2014	C70	2005 - 2013
Transit 290	2013 - 2016	S40	2003 - 2012
Transit 300	2006 - 2014	S60	2010 - 2016
Transit 310	2013 - 2016	S80	2006 - 2016
Transit 330	2006 - 2016	V40	2012 - 2016
Transit 350	2006 - 2016	V40 Cross Country	2012 - 2016
Transit 370	2006 - 2016	V50	2013 - 2016
Transit 410	2013 - 2016	V60	2010 - 2016
Transit 430	2006 - 2016	W60 Cross Country	2015 - 2016
Transit 460	2006 - 2016	V70	2007 - 2016
Transit 470	2013 - 2016	XC60	2008 - 2016
Transit Connect	2013 - 2016	XC70	2007 - 2016
Transit Courier	2014 - 2016		



Engine Tools

引擎修護工具

AET-00797

Battery Terminal Clamp Spreader

- One Tool for Two Jobs - Dual use pliers spread battery post clamps and tapered, ribbed tips remove corrosion and build-up from inside the clamp. Tips are made from strong heat-treated steel
- For most popular clamp sizes
- Tapered tips provide range and squeezing the handles expands the tips to cover many clamp sizes



AET-00530

Shock Absorber Tool Set (18 PCS)

- For Repair Work at the Spring Strut , Shock Absorbers, Removing Strut Unit.
- For Retaining the Piston When Installing & Removing Strut Unit.



AET-00704K

Elbow Connector Open-End Socket Set

- This product is the tightening and loosening of the elbow connector (L type piping joint).
- For example:
- The elbow connector which is used for the air suspension of compact cars or truck over 4 tons.
- The elbow connector which is used for the air brake.
- The elbow connector which is used for the construction machinery.
- It is possible to work in narrow places.
- There are five kinds of open-end sockets, including 12mm, 14mm, 17mm, 19mm and 22mm, which is used for most trucks and construction machinery.



AET-00743

Benz Cdi Pre-Chamber Socket

Application:

- With 1/2" drive , 58T X 60L
- Engines 601, 602, 602.91, 603, 604, 605, 606, 661, 662.



AET-00260

Oxygen Sensor Socket

- Size : 1/2"x7/8"(22mm)x90mm(L)
- 7mm(w) slot for sensor wire.
- Suitable for ford, gm, chrysler, japaness car and other cars.



AET-00539

PreChamber Ring Socket

- For the proper R&R of threaded ring which secures pre-chamber in cylinder head.
- Applicable on engine type OM 615, OM 616, OM 617. 91 / 93/ 95.



AET-00457

Diesel Fuel Filter Socket (HDi Engines)

- Specialist Socket Required For The Removal Of Diesel Fuel Filter
- Fitted To 2.0, 2.2 Hdi Engines
- Found In Some Citroën, Fiat, Ford, Lancia, Land Rover, Mitsubishi, Peugeot And Volvo Vehicles.



Applications: Citroën :

- C4 2.0 Hdi 16v,C4 Picasso 2.0/2.2 Hdi,C5/ C8 2.0/2.2 Hdi 16V,Jumpy 2.0/ 2.2 Hdi
- Fiat : Scudo / Ulysse Mk II 2.0 JTD 16V
- Ford : Focus/ Focus C-Max/ Galaxy/ Kuga/ S-Max 2.0 Tdci
- Peugeot : 307/ 308/ 407/ 607/ 807/ Expert 2.0 Hdi 16V
- Volvo : C30/ C70/ S40 Mk II/ V50 2.0 Diesel(136 HP)



Engine Tools

引擎修護工具



AET-00493

Pin Wrench For Timing

- Distance of pins 18mm, pin Ø3mm
- 60°offset
- For holding the tensioner when tightening the locking nut on many petrol and diesel engined models of Audi & VW cars
- Handle length:180mmL



AET-00367

Diesel Injection Pump Wrench

- 13mm - 12PT 90 degree crank.
- For the fastening screws at the injection pump, when replacing the toothed belt or adjusting the injection start.
- Application on 1.6 | 4-cyl.
Diesel engine AUDI 80,
VW Golf, Jetta, Caddy,
Passat, Santana.



AET-00369

Reaction Wrench

- Drive:1/2"
- Diameter (pin to pin): 157 mm
- For tensioning multi-vee belts, equipped with hardened and milled pins which allow the belt tension to be achieved at the alternator. The milled pins are designed not to slip out of the holes in the alternator.
- For VW-engines on which the multi-vee belts can only be tightened at the alternator.



AET-00370

Special Wrench For Turbo

- Square Drive: 3/8"
- Size : 12 mm x 12PT
- For:VW / AUDI
- Special wrench for screwing on the turbo-charger in diesel engines of VW / AUDI; new model, short type, from now on very convenient assembling and disassembling for screw underneath the turbo-charger



AET-00411

Pneumatic Power Bar Impact Wrench

- Length: 195mm.
- 1/2" square drive.



AET-00660

1/4" Hex Valve Core Tool

- For Torque - Controlled Tightening with a Torque Screwdriver / Wrench.



AET-00368

Reaction Wrench

- For V-ribbed belts.
- When changing the poly-V belt the permanent belt tensioning roller can be loosened with the reaction wrench.
- Application: VW Polo, Golf, Passat, T4 and Audi.
- Advantages:
The attachment element can be changed.



AET-00541

Spacer Sleeves Tool (Puller & Drive - In Mandrel)

- When replacing steering column switches, it is necessary to firstly remove the steering wheel & then to extract the spacer sleeve from the cone.
- The special design of the puller ensures that its collet chuck precisely encompasses the spacer sleeve which enables quick & smooth extraction of the spacer sleeve.
- Clamping range: 27 - 30 mm
- Drive-in Mandrel for Spacer Sleeves:
- The drive-in mandrel made of brass allows the spacer sleeve to be pushed into the steering column without risk of damage.
- Suitable for vehicle models as from 1988 onwards such as VW Golf (II & III), Jetta, Vento, Polo, Passat, etc.





Engine Tools

引擎修護工具

AET-00414

VW / Audi Head Bolt Socket

- 125mm overall length for restricted areas.
- S2 10mm Polydrive 6-pt bits.
- CR-V Socket .
- 1/2" drive .
- Not for impact use.



Application Range:

- Fits 1998 and later
- VW / AUDI 5 valve engines (V-6 and 4 cylinder).

AET-00262

Oxygen Sensor Rethread Tool

- Cleans Threads In Oxygen Sensor Holes
- Use With 3/4" Hex Socket or 3/8" Square Drive
- M18 x 1.5 Also Works On M18 x 1.5 Spark Plug Threads



AET-00393

VW Crankshaft Oil Seal Install Tool

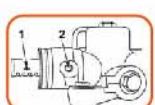
- For 1.2 fsi engine crankshaft front oil seal install



AET-00537

Locking Screw Set

- With conical tip for middle positioning of the steering while adjusting the steering geometry.
- Size:M8 ×1.0, M10×1.5, M12×1.5, Suitable for Mercedes W107, W114, W115, W116, W123, W126.
- Move the steering rack until Pos. 1 & Pos. 2 are level.
- Then, screw in the locking screw.
- The rack is now in the centre position so that it is possible to carry out the track basic adjustment of the right-hand & left-hand steering rod.
- Size M8×1.25, Suitable for Audi A4, A6, VW Passat from 1997 onwards etc.



AET-00452

SAAB Crankshaft Rear Oil Seal Installation Tool

- This SAAB Crankshaft Rear Oil Seal Installation Tool is the best tool for replacing crankshaft oil seal.
- No damage to oil seal and related parts.
- This tool is easy to use and saves time and money.
- This tool is designed to install the oil seals accurately.



AET-00554

Lock Cylinder Installation Aid Tool- VW

- For inside track closure with internal spring.
- For fast & precise repair of the door lock.
- Application Range:
VW Passat, Vento, Beetle, Lupo, Golf IV (not Golf cabriolet!), Seat , Skoda , etc .



AET-00321

BMW Fuel Level Sensor Lock Ring Remove Tool

- Used to remove the fuel level lock ring.
- Applications: BMW AND MINI COOPER MODELS:
1988-2011E31, E34, E36, E38, E39, E46, E53, E60, E63, E64, E65, E70, E83, E85, E90, R50, R52, R53, R55, R56ANDR57.



AET-00467

Scraper Blades

- 5 replacement blades for seal scraper
- For removing seal residue, e.g. cylinder head seals
- For angled blade head
- Special steel



Engine Tools

引擎修護工具



AET-00437

Complete Kit For Bosch And Denso Type Alternator Pulleys (22 PCS)

Contents:

- 3PCS -Combined Socket For Alternator.
T50 x 113 mm Socket;
M10 x 113 mm Socket ;
3/8" DR.x M10 x 80 mm w/ Ø14 x 33T For Fiat.
- 1PC -Bit Socket M10 x 140 mm.
- 3PCS -Teeth Socket: 15 mm x 19 mm HEX x 33 Teeth;
22 mm Hex x 33 Teeth, 15 mm x 17.5 mm
HEX x 33 Teeth.
- 2PCS -22 mm Hex Socket 17 mm Hex Socket.
- 3PCS -22 x 28 mm Hex Socket 19 x 28 mm Hex Socket
21 x 28 mm Hex Socket.
- 1PC -35 mm Round Socket w/4 Pins.
- 1PC -38 mm Hex w/3 Pins.
- 1PC -1/2" DR. SQ.(F) x 10mm Hex.(F) Bits Adaptor.
- 1PC -M10 x H12 x 64L Bit.
- 6PCS -10mm (Hex Shank) x 75mmL CR-V
Bit: T40, T50, M8,M10, H8, H10.



AET-00481

1/2" DR. Pentagon Socket Set (5 PCS)

- Material: CR-V Steel PH Black Finish
- Bit material: S2

Contents:

- 1PC 10mm x (L) 56mm 1/2" DR. Pentagon bit for Girling
brake system
- 1PC 10mm x (L) 38mm 1/2" DR. Female Pentagon for Girling
brake system
- 1PC 12.5mm x (L) 38mm 1/2" DR. for Bendix brakes
- 1PC 14mm x (L) 38mm 1/2" DR. Female type for Pentagon
brakes on rear brake Opel Astra G , Zafira , Smart
- 1PC 19mm x (L) 38mm 1/2" Dr. Female type for Bendix
brakes Citroën,Peugeot,Renault



AET-00490

Universal Brake Caliper Bleed Valve Bore-Set

- The Set Is Used For Boring Out Demolished Bleed Valves.
- In The Process The Valve Will Be Bored Out Complete With Thread And Replaced By A Threaded Bush With A New Bleed Valve.

Contents:

- 1PC Hand Tap Hssg NPT 1/4" X 18 Gg.
- 1PC Hand Tap Hssg NPT 1/8" X 27 Gg.
- 1PC HSS Countersink Tripple Cutting 90°
- 1PC HSS-Co Twist Drill 6.0 mm
- 1PC Specialdrill (2-Parts) 8.5 mm
- 1PC Thread Sealant
- 4PCS Brake Caliper - Bleed Valve Repair Set (4-Parts)
- 2PCS 1/4" And 1/8" NPT Bleed Valve-Inserts:
- 1PC 1 X NPT 1/4" (Large)
- 1PC 1 X NPT 1/8" (Small)



AET-00479

Glow Plug Removal Set (18 PCS)

Contents:

- Size: 3/8" DR. Universal Joint Socket 8-9-10mm 72L
- Slot Socket 8-9-10mm
- 1/4" DR.Socket 8mm w/o Ring Inside 50L
- 1/4" DR. Universal Joint Socket 8,9,10mm
60L Special Thin Design
- 1/4" DR. PSG-Glow Plug Insert 12mm Socket Set 6pcs
- 1-1/4" DR.Extension Bar 100L
- 1-1/4" DR.Universal Joint Adaptor





Engine Tools

引擎修護工具

AET-00763K

Vw, Audi Injection Remover Tool Set

- Use "U" Sleeve Or Two Jaws Hook To Fix The Injector & Then Pull Out W/ Slide Hammer
- Applicable: Vw, Audi Fsi Engine



AET-00766K

Ignition Coil Remover Set (4PCS)

- A: For removing and installing ignition coils with power stage. VW Golf, Bora, Passat, Sharan, Touareg, Phaeton Touareg 6 cyl.
- B: Fast and safe removing and installing of ignition coils. For installing and removing ignition coils with final output stage. VW direct injection engines 2.0: Golf, Touran, Passat, Eos. AUDI direct injection engines: A3 2.0, A6 3.2
- C: For installing and removing ignition coils with final output stage. On VW Polo, Golf 1.4,1.6,Caddy 1.4, Bora 1.4,1.6,Beetle 1.4
- D: Fast and safe removing and installing of ignition coils.



AET-00612

Wedge Tool Set (12 PCS)

- Hammering Out Without Damage To Paint.
- Ideal for Reforming An Over-Compressed Dent.
- Ridges are Hammered out With Targeted Use of the Hammer on The Dent-s.
- Also Ideal for Releasing Tensioning in The Sheet Metal
- With Interchangeable Attachments.
- Includes 2 Handles.



Contents

1PC	90mm Short Handle
1PC	130mm Long Handle
1PC	Cylinder-Shaped Impact Head
1PC	Wedge-Shaped,Round Impact Head
1PC	Wedge-Shaped,Square Impact Head
1PC	Wedge-Shaped Large Round Impact Head
1PC	Wedge-Shaped Small Round Impact Head
1PC	Cone-Shaped,Tip Impact Head
1PC	Cone-Shaped,Round Impact Head
1PC	Cylinder-Shaped Impact Head With Cone
2PCS	Set 155mm Of Strike Plates

AET-00746

Mercedes-Benz Injector Nozzle Installer

- For restoring fuel injectors immediately after calibration of the sealing rings

Application:

- Mercedes-Benz with M133, M152, M157, M270, M274, M276, M278 engines.
- For most 4.6 to 5.5 litre petrol engines



AET-00412

VW Cigarette Lighter Release Tool

- Used for removing 12 volt socket.

Application Range:

- Audi A4 2001 / Audi A4 2008 / Audi Q5 2008 / Audi A6 2005 / Audi Q7 2007.
- VW OEM no.ref: T40148



AET-00788

Lift Support Fixing Clamp

- Use to fix the engine compartment, luggage area, and back door lift support
- To prevent the lift slip and make damage.
- Place the tool on lift rod next to cylinder body. Tighten with knob until it is secure on lift rod when finished
- Capacity: max. 14mm



AET-00770

Diesel Injector Seal Puller

- A Specialised Tool, Used To Assist The Extraction Of The Copper Washers Used To Seal Diesel Injectors Where They Enter The Cylinder Head.
- Commercial Vehicles Used.
- These Sealing Washers Sit At The Bottom Of The Injector Orifice And Are A Common Failure Point. They Are So Deep Into The Cylinder Head And Usually Stuck Tight With Carbon Build-Up That Extraction Is Usually Next To Impossible.



Engine Tools

引擎修護工具



AET-00801K

Swivel Spark and Glow Plugs Socket Set (6PCS)

- For professional damage-free removal and installation of spark plugs and glow plugs as well as 'PSG' glow plugs (pressure sensor glow plugs).
- The socket are provided on the inside with a retaining rubber to prevent the spark /glow plug from falling out unintentionally
- When removing/installing 'PSG' glow plugs, the protective cap (supplied with the tool set) must always be used in order to protect the plug connector against fire and electrostatic charging
- Material: CR-V
- Surface Finish: Zinc plated

Contents:

- 2PCS 1/4" DR.
8 & 9mm
- 4PCS 3/8" DR.
10, 12, 14 & 16mm



PAT.

AET-00747

33 Teeth Diesel Fuel Injection Socket

- Used for installing and removing the pressurevalve holder on MRSF-ERE injection pump on Mercedes-Benz diesel engines:
601, 602, 603, 605, 606, 615, 616, 617.
- Drive: 1/2" Square drive



AET-00595 /AET-00596 /AET-00597

3/8" & 1/2 " DR. Magnetic Spark Plug Spline Socket (SP)

- Driver Size : 3/8" Dr. / L :152mm
- Socket Size : 14 mm / D : 22 mm / N.W. : 160 g



AET-00595



AET-00596



AET-00597

ITEM NO	Driver Size	L	Socket Size	D	N.W.
	inch	mm	inch / mm	mm	g
AET-00595-14	3/8" & 1/2" DR.	152	14	22	160
AET-00595-16	3/8" & 1/2" DR.	152	16	22	180
AET-00595-18	3/8" & 1/2" DR.	152	18	25	210
AET-00595-21	3/8" & 1/2" DR.	152	21	28	240
AET-00596-14	3/8" DR.	65	9/16"	22	80
AET-00596-16	3/8" DR.	65	5/8"	22	90
AET-00596-21	3/8" DR.	65	13/16"	28	210
AET-00597-14	3/8" DR.	65	14-9/14"	22	80
AET-00597-16	3/8" DR.	65	16-5/8"	22	90
AET-00597-21	3/8" DR.	65	21-13/16"	28	210

AET-00755

BMW Combination Fuel Injector Remove

- Designed for removing fuel injector

Applicable:

- BMW N54



AET-00591

BENZ Injector Nozzle Installer (M278)

- Fuel Injectors Must Be Installed Immediately After Calibration Of The Sealing Rings.
- Clean Base Surface For Sealing Ring On Fuel Injector
- Applicatioin:BENZ M278 Engine.
- Engines: 133,152,157,270,274,276,278
- BENZ OEM NO. REF.: 272 589 00 43 00
- Material:Stainless-Steel



AET-00524A / AET-00524B

Injector Holding Fixture

- For holding of injectors when servicing (disassembly & reassembly).
- Suitable for injectors such as Bosch, Delphi, Denso, Siemens & others.
- Can be easily mounted on the bench vise.
- AET-00524A : 11mm, 12mm, 13mm, 19mm
- AET-00524B : 14mm, 16mm, 20mm



AET- 00524B



AET- 00524A

AET-00785K

Adjustable Fuel Tank Lid Remover Kit (7PCS)

- Adjustable vehicle fuel tank cap demolition kit
- To adjust from the middle track
- Can be used on all kind of vehicle with salient fuel tank lid
- 3 specifications to apply
- Material: Steel
- Surface Finish: Electroplating
- Size: 3/8" Drive
- Regulation range is from 38mm to 168mm

Contents:

- 1PC Main body slider
- 2PCS Body accessories-1
- 2PCS Body accessories-2
- 2PCS Body accessories-3





Engine Tools

引擎修護工具

AET-00553

Truck Injector Extractor

- The injector extractor easy to operate on trucks!
- Tool can extract that mount injector-pump system & traditional truck injectors also.
- Injectors : Bosch , Delphi Volvo , Scania , Mercedes , Man , Renault , Iveco



AET-00459

Ignition Coil Puller (VAG Group)

- Used for removing "pencil-type" ignition coil on 4-cyl. direct injection engine (Generation III).



AET-00480

Fuel Filter Installation Tool

- Suitable for the VW-Audi, Seat and Škoda Diesel vehicles with UFI fuel filter unit. Very useful tool allowing for the torsion-free mounting of fuel filter caps on fuel filters; required, for example, after having replaced a fuel filter cartridge.
- The fuel filter cap installation tool is designed to press the fuel filter cap evenly and in a torsion-free manner into the seal seat in the fuel filter housing.
- Then, the fuel filter can be fixed according to the manufacturer's instructions.



Note: If a fuel filter cap is inserted into the seal seat in the fuel filter housing without the use of our special tool but by means of the fastening screws, there is a risk that the fuel filter cap is subjected to torsional stress during installation which could lead to leakage in the fuel filter unit.

AET-00417

BMW Injector / Chamber Tool Set

- Set used to install new seals onto the injectors
- Application range: BMW N14, N18, N54 & N63 engines.



AET-00653

Pencil Type Ignition Coil Puller

- The latest style pencil type ignition coils fitted to VAG (2013 on) 1.2 / 1.4 1.8 & 2.0 fsi / tfsi petrol engines are a tight fit on the spark plugs.
- Designed to attach in to the mounting hole on the pencil type ignition coils after the fixing bolt has been removed.
- Once attached the puller provides a fixed handle grip to allow the ignition coil to be pulled off vertically without damage.
- OLF 2013> , AUDI a3 2013> , Leon 2013> , Octavia 2013> 4-cyl.injection engine 1.21 direct injection engine , turbocharger
- 4-cyl.injection engine (1.41 engine direct injection engine , turbocharger) 4-cyl.direct injection (2.01 engine,4v turbocharger , chain drive , generation iii) .
- OEM Number: t10530



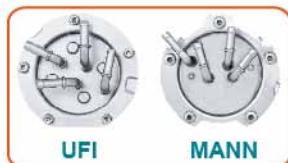
AET-00583

Fuel Filter Cover Mounting Tool (VAG Group)

- The fuel filter cover mounting tool is designed to press the fuel filter cover evenly & in a torsion-free manner into the seal seat in the fuel filter housing.

Application:

- New design for both of "UFI" & "MANN" fuel filter housing.
- VW, Audi, Skoda & Seat diesel vehicles.
- Also suitable for Multicar M27 / M28.



Engine Tools

引擎修護工具



AET-00491

DSG Assembly Alignment Tool

- Used to operate the engaging lever during dismantling and mounting of the mechatronic unit on 7 speed dual clutch gearbox oam.
- Type/Model:Golf 2004>,Golf 2009>,Audi A3 2004>, Eos 2006,Passat 2006>,Passat Cc 2009>



AET-00659

Connector & Terminal Removal Tool Set (3 PCS)

Contents:

- 1 PC Connector Removal Tool
- 2 PCS Terminal Removal Tool



AET-00525

Fuel Line Disconnect Tool

(Navistar MaxxForce 11 & 13 engines)

- For Navistar International MaxxForce 11& 13 engines
- The straight tools allow access into tight area.



AET-00658

4PCS Fuel Line Disconnect Tool Set (Diesel)

- The Tool Set for Disconnecting Quick-Connect Couplings on Fuel Lines.
- Quick Fuel Filter Replacement.
- Suitable for VAG, Fiat, Jeep, Opel, Ford, Chrysler & Volvo



AET-00290

Ignition Lock Remover-Mercedes-BENZ

- Used for removal and replacement of the ignition switch retaining ring.
- Applications: W129, W140, W202, W210, W220, W203, W209, W211, W204.



AET-00460

Mini Cooper Fuel Line Tool

- The low pressure fuel feed line that supplies the high pressure fuel pump requires the special tool for removal.
- Failure to use this tool will result in damage to its quick connect coupler.
- Material: Steel





Engine Tools

引擎修護工具

AET-00451

Injector Sealing Ring

- Ideal for removing firmly burned injector copper sealing rings from the injector shaft.
- No damage to the cylinder head.
- Universal usage,
- Precision pressing on the sealing ring; Simple handling and guiding.
- Application range: BMW, Mercedes, OPEL, Renault, Nissan, etc.



AET-00513

Injection Pump Adjustment Tool

- Suitable for Renault, Mitsubishi, Opel/Vauxhall & Volvo 1.9 direct-injection diesel engines (F8Q & F9Q) with adjustable injection pump wheel e.g. Renault Megane / Scenic, Kangoo; Mitsubishi Carisma; Opel Arena & Volvo S40/V40.

Consists of :

- Special socket wrench insert 27 mm hex for the hub fixing screw
- Adjusting wrench with 3 pins (for turning & adjusting the hub)
- Adaptor for Bosch injection pumps (M10x1 to M8x1)



AET-00227

Universal Steel Line Stopper

- Suitable for clamping and sealing steel line on braking system, cooling system, fuel line, A/C Line,etc.
- Provides an effective seal to steel lines when disconnected.
- Prevents fluid loss and contamination of the work area.
- 5/16", 3/8", 1/2" and Banjo(10.4mm&18mm)

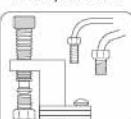
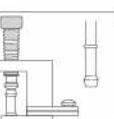
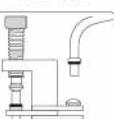
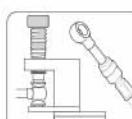


Banjo Fitting

'O' Ring Type AC Line

Fuel Line

Flare Type Fuel, Brake, AC Line



Worldwide PAT.

AET-00444

Common Rail Injector Tool Kit

- Special tools to loosen and remove the injectors internal fixings.
- Includes the Injector ball valve lapping tools and guide. 3 x Injector ball valve lapping tools, 10mm Hex x 7.6mm, Denso CR Injector valve seat removal tool, 8 sided socket for Bosch CR Injectors, Internal fixing removal tool for Siemens CR injector.
- Applications include Bosch, Denso and Siemens injectors.



AET-00381

Toothed Sockets For Truck Diesel Pressure And Injector (4 PCS)

- Square drive nominal size 12.5 = 1/2", for mounting, dismounting and tightening the pressure nut at the nozzle holder on commercial vehicles MERCEDES-BENZ M 401/421, M 402/422, LA, A, M 403/423, M 470h
- 1/2" DR. x 72mm(L) x 4 toothes Mercedes Trucks engines OM401/421, OM403/423, LA, A, OM470
- H32 x 70mm(L) x 4 toothes With M14 x 1.5mm receiver thread Mercedes Trucks, Neoplan, Setra
- H32 x 120mm(L) x 4 toothes MAN.Mercedes
- 1/2" DR. x 120mm(L) x 3 toothes Mercedes Trucks Also for IVECO, SCANIA, RENAULT.



AET-00306

Diesel Injector Seat Cutter Master Kit (14 PCS)

- This universal kit can be used with all the most current bosch and delphi injector found on the market.
- The injector seat cleaning kit was developed for cleaning injectors. Their seats and the seat seals ensures a perfect seal between the injector and cylinder head.
- Suitable for the Mercedes BENZ cdi, BMW, PSA group, Renault, Ford, Fiat, Iveco....etc.
- Include 1pc of. reamer chuch for 19mm. Is suitable cleaning for injector nozzle end.



Engine Tools

引擎修護工具



AET-00317

Injector Removal And Dismantling Set (21 PCS)



Universal joint	M18 x 1.5
Special bit insert hex 10mm x Ø 7.6	1x special-use Allen SW10 with 7.5 mm bore, 1/2 drive, to remove the fixing ring, for example, Bosch injectors at MB CDI and PSA HDI
Special bit insert hex 10mm x Ø 6.6	For releasing the internal screw of the CR injectors.
Pull Spindle: IT M16x1.0	For Denso (Toyota 2.2D)
Pull Spindle: IT M17x1.0	For Bosch injectors, e.g., Alfa, BMW, Fiat, MB, PSA, Renault
Pull Spindle: IT M20x1.0	For Denso
Pull Spindle: IT M25x1.0	Siemens injectors, e.g. PSA (DW10)
Pull Spindle: IT M27x1.0	Siemens injectors, e.g. PSA (DW10)
Pull Spindle: OT M16x1.5	Pull Adapter for M16 x1.5 thread, such as used in Facom tools.
Pull Spindle: OT M14x1.5	Internal thread for Bosch / Delphi Injectors, e.g. MB (OM 629/642/646), PSA (DV4 / DW12), VW (CBD), BMW (M47)
Pull Spindle: OT M25x0.5	For Denso
Pull Spindle: OT M25x0.75	For Denso
Pull Spindle: OT M27x1.0	For Siemens, e.g. Citroen C5 / Jumpy / Xsara, Fiat Ducato JTD, Peugeot 206/ 307/ 406 / Boxer (2.0 / 2.2 / 2.3 HDI) Mercedes-Benz CDI (except A-Class (Sprinter / Vito)
Special socket (25mm)	For Siemens Injectors - 2.0 Hdi (DW Series) As found on PSA, Ford, Toyota etc.
Special socket (27mm)	For Siemens Piezo Injectors - 2.0 Hdi Piezo (DW Series) As found on PSA etc.
Special socket (29mm)	For Bosch type injectors - Bosch Cdi / Hdi engines
Special socket (30mm)	For Bosch type injectors - Bosch Renault / Nissan 1.9dCi
Injector gripper(12mm)	For MB CDI-engines, except Sprinter, Vito and A-class
Injector gripper(13.5mm)	For OPEL Renault F9Q
Injector gripper(16mm)	For Fiat Ducato JTD, Citroen C5, Xsara, Jumpy and Jumper HDI and Peugeot 206, 307, 406, Boxer HDI (2.0, 2.2, 2.3l)
Injector gripper(26mm)	For OPEL Z19DT / Z19DTH / Z19DTL engines, A20DT (LBS) / A20DTR (LBY) / A20DTJ (LBX) / A20DTC (LCD) and Fiat 1.9 JTD

AET-00445

Oil Drain Plug Key Set (28 PCS)

- Suitable for sump plugs, engines, gear box and back axle.
- Chrome Vanadium keys with satin finish.

Contents :

- Hex key: 8/10/12/13/14/17mm
- Square: 8/10mm
- Star(Torx): T45
- M16 Plug Socket : Triangular -10mm
- Sockets (Magnet): 13/ 14/ 17/ 18/ 19/ 21mm



AET-00448

Injector Shaft Cleaning Set

Contents :

- Wire brushes (ø18 x 2PCS, 19 x 2PCS, 21 x 2PCS, 24 x 2PCS, & 26 x 2PCS)
- Cleaning brush: 9mm x 100mm overall length: 300mm x 2PCS
- Flexible bit holder x 1PC
- Adaptor with brush holder x 1PC
- Mounting bar x 1PC
- Twisted brush wire x 2PCS
- Sealing plugs x 8PCS
- Plastic sleeve for brush x 1PC



AET-00482

Bosch Injection Pump Cover Socket (5 PCS)

- Material: CR-V
- The Sockets Are Required To Loosen And Remove The Triangular Headed Anti-Tamper Screw On The Quantity Adjuster'S Top Cover.
- Suitable For Bosch CR An TDI Injection Pump.



AET-00464

Oil Drain Plug Washer Seat Resurfacing Kit

- Tools for resurfacing the washer seat of oil drain plug.
- Resurfacing of the washer seat ensures reliable sealing in the area of the oil drain plug.
- Pilot centering pin allows a correct centred boring on the washer seat.





Engine Tools

引擎修護工具

AET-00641

230mm Spark Plug Boot Pliers

- Heavy duty pattern, designed to remove spark plug boots without pulling the plug lead from its clip. Angled nose gives easier access to plug boot.



AET-00304

BMW Fuel Pump Removal & Install Tool

- Removal and fitting of electrical fuel pumps with the aid of tool use for intended purpose.
- Tool is designed for releasing electrical fuel pumps from their mountings ("sleeve")
- The easy insertion of electrical fuel pumps into their mountings ("sleeve")
- Suitable for BMW E39, 520i, 523i, 525i, 528i, 530i, 535i, 540i fuel pump.



AET-00774

Chrysler Valve Spring Compressor

- Valve spring compressor for Jeep, Dodge & Chrysler 3.7L & 4.7L engines
- Services DR, HB, KA, KJ, KK & ND systems



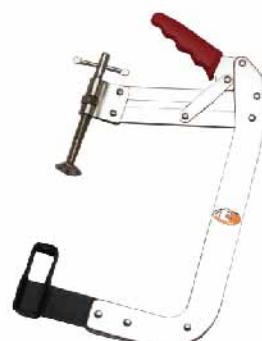
AET-00760

Valva spring compressor



AET-00759

Valva spring compressor



Engine Tools

引擎修護工具



AET-00717K

Valve Spring Compressor

- Valve Spring Compressor Universal Overhead Set
- This universal valve spring compressor has been developed to remove and install the valve spring with the cylinder head still on the engine and in the car, or with the cylinder head removed.
- The multi-point adjustable base of this tool bolts securely to the head while the adjustable lever mechanism pivots from the bar thus compressing the spring.
- Quick removal and installation of the spring retaining keepers is then easily accomplished through the large openings on both sides of the compression tube.
- Applicable for OHV & OHC gas or diesel engines: Audi, BMW, VW, Valve, Porsche(924 & 928), Honda, Mazda, Mitsubishi, Nissan, Toyota, Chevrolet, Chrysler, Ford, GMC, Lincoln, Saturn, others.



AET-00729K

VAG Head Gasket Alignment Tool (8PCS)

- For VAG engines to align the gasket.
- These pin allow the mechanic to place the gasket on the block accurately.
- Application: Beetle 2.0l (1999-2004)



Contents:

- 1PC M6 x 1.0mm Pin Extraction Tool
- 1PC M6 x 1.0mm Pin Extraction Tool (No Handle)
- 2PCS M9 x 1.25mm Long Pins
- 2PCS M10 x 1.5mm Long Pins
- 2PCS M10 x 1.5mm Short Pins

AET-00631

Overhead VALVE Spring Compressor

- Designed for Use on Most Trucks & Cars With Overhead VALVES Works With Cylinder Head on or Off
- The Engine Jaws are Offset to Grip Springs in Parallel Compression Position Jaws are Long Enough for Use on High Compression Engines.
- Features sliding "T" handle for close clearances



AET-00784K

Univervalve Spring Compressor Kit For BENZ & BMW (11PCS)

- Can be fix from various parts of the engines, in which in the small work environment
- Small size does not take up much any work space
- Complete service tool kit for installation and removal of valve spring without removing the cylinder head from the engine



Contents:

- 1PC fixed seat-1
- 1PC tapered mount
- 1PC fixed seat-2
- 1PC valve seat (short)
- 1PC adjustment mount
- 1PC valve seat (long)
- 1PC fixing rod (with thread)
- 1PC fixed rod
- 1PC high pressure duct
- 2PCS short rod



AET-00791K

Valves Seals Remover & Installer Kit

- Two valve keeper removers and installers operate much quicker than standard compressors
- Valve retention tools hold multiple valves in place at once
- Special deep reach access valve seal pliers
- All in one valve service kit with valve spring/ keeper remover/ installers, valve retention tools and valve seal pliers



AET-00255

Cylinder Hone & Replacement Stone Set

- 3-Leg Range 2"-7" (51-177mm) with 4" or 4" stone.





Engine Tools

引擎修護工具

AET-00728K

Universal Cooling Pump And Refill Tool Set

- Quickly and easily test for leakage in radiator system and change coolant in vacuum state
- Rubber cones with functional diameter 17-40mm
- Vacuum leakage test and bubble-free refilling
- Gauge reading: 0-30in.Hg



AET-00397

Universal Valve Spring Installer And Remover Tool Set

- Especially Suitable For Mercedes Benz Engines: M102, M103, M104, M111, M112, M113, M271, M272
- BMW Engines: N42, N52, N62, M54, M52, M56, E38, M60, V8 @Can Be Applied On European, American And Japanese Cars, Such As BMW, Volvo, Toyota, VAG, Ford, etc. D573.
- Suitable For Assembly And Disassembly Of Valve Springs And Replacement Of Valve Stem On Cars, Without Removing The Cylinder Head.
- Valves Are Closed By Pressurized Air And Can Not Fall Down Into The Combustion Chamber.
- Works Great In Narrow Space Conditions.



AUT-00244

Magnetic Oil Drain Pliers With Large Handle

- Size: Length: 335mm



AET-00509

Oil Drain Plug Removal Tool (Magnetic)

- No touching hot plug.
- No dropping of plug.
- No hot oil on hands. (magnet max working temp. 120°C / 248°F)
- Interchangeable design. (A / B / C)
- Just magnetically attach the tool to pre-loosened drainplug & rotate to remove plug.



AET-00540-A / AET-00540-B / AET-00540-C

Pneumatic Adapter For Glow Plug Holes

- Ideal for boring in the glow plug bores.
- The injection of air prevents contamination building up in the combustion chamber.
- Enables simple & professional work.
- Air supply can be set with lever



ITEM NO	Size	Application
AET-00540-A	M 8 x 1.0	Citroën, Fiat, Ford, Lancia, Opel, Mercedes, Suzuki, Volvo, etc
AET-00540-B	M10 x 1.0	BMW, Chrysler, Opel, Mercedes, Nissan, Renault, etc.
AET-00540-C	M10 x 1.25	Toyota, Lexus, etc.

Engine Tools

引擎修護工具



AET-00726

Flexible and Moldable Funnel,
Aluminum exposure (Length 375)

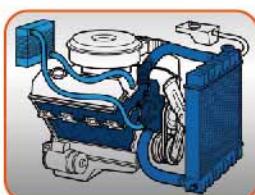
- Funnel can be molded into different shapes, making refilling or draining easier.
- Selected material for engine oil, brake fluid, ATF, and coolant.
- Length: $372 \pm 1 \text{ mm} / 14.6 \pm 0.4 \text{ in}$
- Width: $170 \pm 1 \text{ mm} / 6.7 \pm 0.4 \text{ in}$
- External Material: NBR
- Temperature range: -35°C and $105^\circ\text{C} / -31^\circ\text{F}$ and 221°F



AET-00803 Series

Cooling System Flusher

- Achieve optimal operation of cooling systems
- Effective rinsing - without the use of solvents and harsh chemicals
- Combines water with compressed air for increased efficiency
- Stepless regulation of both air & water flow
- Multifunctional - as standard with a multi-stage nozzle
- Material: Acetal plastic
- Metric Size: 1/4 PTF
- Working Pressure: 90 - 120 PSI
- Air Inlet Thread SAE Size: 1/4" NPT
- Air Consumption: 8 CFM

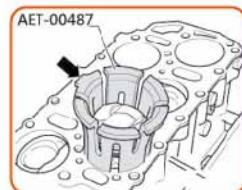


ITEM NO.	Nozzle size mm
AET-00803A	10, 12, 16, 19
AET-00803B	19, 29, 32, 36.5, 40

AET-00487

TT Quattro Coupe V6-3.2L (CBRA) (2008)

- If a new piston insertion funnel (AET-00487) is used, pistons must first be guided twice through The funnel with lubricated piston rings and any shavings resulting from this must be removed. Then the pistons can be installed with piston rings.
- Push piston by hand into oiled piston installation tool.
- Flat side of piston crown must face toward funnel pin - arrow.
- Hold funnel (with piston inserted) on upper edge and press piston in with both thumbs.
- Push piston in until it protrudes approximately 15 mm from lower edge of funnel.
- Place pistons in appropriate cylinder bore.
- Funnel pin - arrow - must point toward center of cylinder block.
- Press funnel tightly against cylinder block and push piston in.



AET-00645

Collant Refilling Funnel Set With Extension Pipes (18 PCS)

- For anti-spill coolant refilling & air bleeding .
- Includes 4 extension pipes for confined space or tricky angles
- Transparent lower chamber displays the amount of air bubbles remaining in the radiator .
- Includes adapters with nylon covers to reduce heat transfer resulted from air bleeding
- Special design of connector to adapters provides anti-spill feature
- Funnel capacity : 1,600 ml / 54.1 Oz. Large capacity suitable for works on trucks & heavy duty vehicles



NO.	Contents
1	1PC Coolant Funnel (1.6 L / 54.1 Oz)
2	1PC Outlet Size 56.8 mm
3	4PCS Replacement O-Ring Ø20.4 x 2.0 mm
4	1PC No. 3 Radiator Adapter
5	1PC No. 4 Radiator Adapter
6	1PC No. 5 Radiator Adapter
7	2PCS 135° Offset Adapter
8	1PC Connector Pipe
9	1PC 124 mm Long Connector
10	1PC Universal Radiator Adapter
11	1PC Rotate to Expand
12	1PC Ø35 x 30 mm Rubber Ring
13	1PC Ø39.5 x 30 mm Rubber Ring
14	1PC Ø44 x 30 mm Rubber Ring



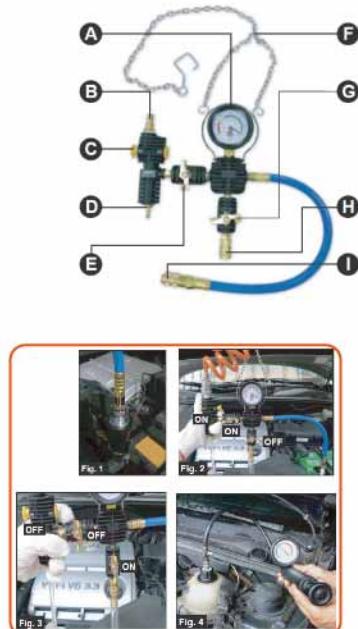
Engine Tools

引擎修護工具

AET-00646

Cooling System Pressure Tester & Vacuum-Type Coolant Refilling Set (31 PCS)

- Set for testing leaks in automotive cooling system & refill new coolant by creating a vacuum in cooling system
- Includes various adapters for major vehicle brands on market
- Adapters & pump are made of light weight nylon 6-6
- Connectors (blue & black) are for testing pressure caps
- Includes a thermometer for extra safety



AET-00434

Universal Oil Funnel With Threaded Clamp

- Packag: Blister+Sliding Card



NO.	Contents
Description / Specifications / Material	
1	1PC Pressure pump 0 - 2.5 kg/cm ² (35 psi) Material : Nylon 6-6
2	1PC Pump hose Max. pressure: 200 psi Material: Rubber
3	1PC Black cap tester For R 123 & R 124 Material: Nylon 6-6
4	1PC Blue cap tester For R 123 & R 125 Material: Nylon 6-6
5	1PC Test cap No. 3 to No. 5 Material: Steel
6	1PC Test cap No. 6 to No. 23 Material: Nylon 6-6
7	1PC O-ring Various sizes Material: NBR
8	1PC Conical adapter Universally applicable Material: Rubber
9	1PC 90° Connector Suitable for confined spaces Material :Bronze
10	1PC Coolant hose L: 1200 mm Material : PVC
11	1PC Air bleeding hose Ø8 x 12 x 600 mm Material : PVC
A	1PC Vacuum gauge -76 - 0 inHg
B	1PC Shop air connector
C	1PC Air switch
D	1PC Air bleeding exit
E	1PC Air control valve
F	1PC Hook & chain
G	1PC Coolant control valve
H	1PC Coolant hose connector
I	1PC Test cap connector

AET-00702

Universal Hose Clamp Plier (Extended)

- Special angle jaws designed for most kinds of hose clamp.
- Finger tip "position lock" to keep hose clamp spread open.
- Capacity: 0mm - 50mm



AET-00701

Universal Hose Clamp Plier (Extended)

- Special angle jaws designed for most kinds of hose clamp.
- Finger tip "position lock" to keep hose clamp spread open.
- Capacity: 0mm - 50mm



Engine Tools

引擎修護工具



AET-00779

Performance Tool Flywheel Turner

- Folds for effortless storage.
- Spring tension steadies tool onto flywheel, consenting to free use of both hands.
- Also steadies the flywheel or flexplate when torquing the flywheel or harmonic balancer bolts.
- For turning and steadyng flex plates and flywheels.
- Easily turn engine from underneath the vehicle.



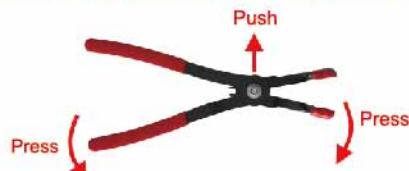
AET-00780

Adjustable Spark Plug Wire Puller

- Plastic handle grips help avoid shock.
- Plier jaws adjust to five different places allowing easier repair spark plug boots.
- Specially shaped, cushioned jaws grip the boot straight on or from the side.



① To adjust position of jaws hold and pull as shown



②



③



AET-63078C

2-Way Heavy Duty CV Boot Band Pliers

- With torque drive
- For assembly of new stainless steel clamp-bands on drive-shafts where a torque setting is required
- Patent design head, one side for straight bend, the other side for 90 degree bend



AET-00768K

Quick Change Snap Ring Pliers Set (12PCS)

- Heat-treated CR-MO steel pliers to handle internal and external snap rings.
- Ergonomic design handle provides stable grip and better user experience.
- Special design wing knob allows pliers quickly change between internal and external use.
- Three different tip angles: Straight, 45° and 90°.
- Four different tip sizes: .038", .047", .070" and .090".



AET-00604

OETIKER Collar Pliers

- For Medium-Size Closed & Open Collars.
- The Double Setting of The Reaction Bar Allows Pre-Tensioning & Then Definite Clamping. A Mechanical Lock Avoids any Damage to The Collar at The End of The Operation.
- The Pivot Geometry Allows Minimum Clamping Effort.





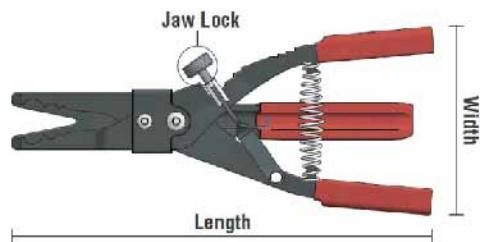
Engine Tools

引擎修護工具

AET-00532

Hose Removal Pliers

- Easily disconnects hoses by gripping firmly the tubes / lines.
- Jaw for 3/16", 1/4" & 3/8" tubes & lines.
- Especially suitable for hoses connected to tubes or lines with smooth surface, where exercising pushing force is not possible.
- Pointed jaw tip allows access to confined spaces.
- Special locking design enhances secure gripping.



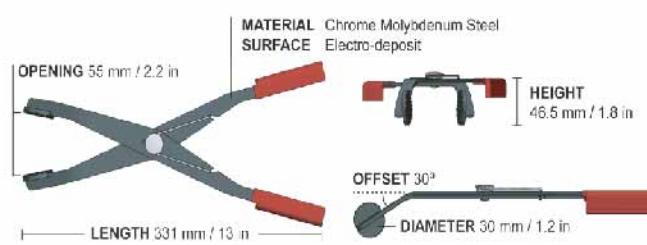
Material	CrMo 4130
Hardness	HRC 43 - 47
Length	202 mm / 7.95 "
Width	94 mm / 3.70 "

OPENING 55 mm / 2.2 in	MATERIAL Chrome Molybdenum Steel
	SURFACE Electro-deposit
LENGTH 331 mm / 13 in	HEIGHT 46.5 mm / 1.8 in
OFFSET 30°	DIAMETER 30 mm / 1.2 in

AET-00531

Hose Removal Pliers

- Special pyramid-shaped tooth design efficiently grips hose clamps without slipping. This special shape also enhances the strength in gripping, helping remove melted rubber hoses near the engine.
- Large jaws are designed to be in round form. This can help work from different angles, suitable for working in confined spaces.
- The jaws are designed to be slightly tapered when closed. This special design can guarantee the jaws are on straight lines when opened at the width (about 20 mm) that is suitable to work on most hose clamps.
- Long & slim pliers (331 mm / 13 in) can reach deep spaces in engine compartment easily Opening : 55 mm / 2.2 in ; Material : Chrome Molybdenum Steel Surface : Electro-Deposit ; Height : 46.5 mm / 1.8 in ; Length: 331 mm / 13 in ; Offset: 30° ; Diameter : 30 mm / 1.2 in



AET-00516

Wheel Bearing Circlip Pliers (For Inner Circlips Without Eyelets)

- Without eyelet
- The special design of the pliers' tips enable the easy removal & replacement of wheel bearing circlips without eyelets.
- Professional removal & replacement of wheel bearing circlips are almost impossible without this special tool.



Engine Tools

引擎修護工具



AET-00346

Universal Hose Clamp Plier

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



Capacity: 0-65mm

Instruction Manual A



Capacity: 0-65mm

Instruction Manual B

OFW01-60 / OFW01-115 / OFW01-140

Oil Filter Wrench

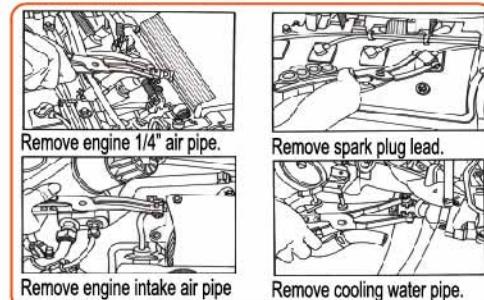
- OFW01-60: 60-90mm
- OFW01-115: 85-115mm
- OFW01-140: 100-140mm
- Alloy steel, coat handle
- Drop forged, steel blade



AET-00357

2PCS Multi-Purpose Hose & Wire Pliers

- Ideal for disassembly vacuum hose, radiator hose, fuel hose, spark plug lead wire,etc
- Capacity: 1/4" to 3/4" O.D.
- Length: 8.5" & 10"



AET-00792

Multi-Cable Hose Clamp Pliers

- Patent design cable changeable structure for easily & quickly changing cable
- Featuring 3 cables size for use on most automotive tension hose clamp

Contents:

- 1PC hose clamp pliers
- 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





Engine Tools

引擎修護工具

AET-00398

Spark Plug Connector Pliers

- For pulling off and putting on spark plug connectors in hard to reach area.
- Suitable for Audi, BMW, Mercedes, Opel / Vauxhall, VW etc.



AET-00400

Safety Clip Pliers

- For removing fuel return lines from injector nozzles on diesel engines.
- Ideal for use on Mercedes OM601, OM602, OM603 and VW Audi vehicles, where the injection nozzles are located very deep in the cylinder head.



AET-00399

Safety Clip Pliers

- Used to release the fuel line unions on VW-Audi vehicles such as Audi A3, VW Golf IV fitted with petrol engines.
- For installing retaining clips to secure the chrome strip on the bumper of the Mercedes W124, W140 and W202.



AET-00344

Hose Clamp Pliers Set

- Set of pliers includes 10 interchangeable tips for most types of hose clamps.



AET-00606

Exhaust Pipe Clamp Removal Plier

- Special Design to Hold Opening The Spring Clamp & Replace The Exhaust.
- Total Length : 300 mm Max.
- Jaws Opening : 60 mm



AET-00505

CV Boot Clamp Pliers

- Application Range : Axle Boots for AUDI, BMW, CHRYSLER, Ford, GM, Honda, Mazda, Mercedes, Nissan, OPEL, PORSCHE, Volkswagen, E.T.
- For Working of Earless Clamps.
- Also Suitable for Thermoplastic Axle Boots



Engine Tools

引擎修護工具



AET-00633-A / AET-00633-B

Cam-Action Adjustable Filter Wrench-Compact / Standard

- Two Thick Jaws Slide Together Using a Cam Mechanism to Grab Filters.
- Use With 3/8" Square Drive Tools or 7/8" Hex Socket.
- AET-00633-A Range: 2-3/4" - 2-15/16" (71mm - 75mm) Application: Compact Filters
- AET-00633-B Range: 3-5/8" - 3-15/16" (91mm - 100mm) Application: Standard Filters

AET-00633-A



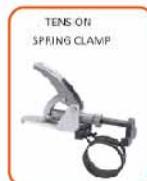
AET-00633-B



AET-00474

Hose Clamp Tensioner

- Size: 2 - 53 mm
- Body: Zinc Alloy, Chrome Plate Handle, JAN, PIN, Thread: Black Finish
- Main Shaft, Adjust Ring: Chrome Plate
- Packing: Sliding Card



AET-00663

2 In 1 Hose Clamp Tensioner & Palm Locking Pliers

- Hose Clamp Size : 2 ~ 53 mm
- Locking Pliers Size : 0 ~ 48 mm
- Press Lever to Lock & Pull Lever to Release
- The Ring Can Adjust Size
- Designed Jaw to Hold Hose Clamp Well
- With Magnetic Vise, the Hose Clamp Can be Palm Locking Pliers.



AET-00441

3 Way Hose Clamp Plier

- Special 3 clamps design for any type hose clamp.
- Use with 14mm wrench or 1/4" drive bar.
- Max capacity : 65mm; Length : 106mm



AET-00577

Hose Clamp Removal Tool

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



AET-00662

Heater Hose Disconnect Tool (Ford)

- Disconnects the Heater Hose Fittings on Ford Focus 2.0L (2012 ~ 2016) / Escape 2.0L EcoBoost (2013 ~ 2016) & more.
- These Type of Fittings are Close to the Firewall Behind the Engine & are Difficult to Turn.





Engine Tools

引擎修護工具

AET-00627

" Spider " Type Adjustable Filter Wrench - Small

- Three Clamping Legs are Driven by Gear Mechanism for Maximum Range & Superior Gripping.
- Range: 2 -3/8" - 3-3/4" (63.5 - 95 mm)
- Application: All Car Filters.



AET-00621-A

Large Spider Filter Wrench (3-1/8" to 3-7/8")

- Adjustable Filter Wrench That Has Two Clamping Legs Driven by a Gear Mechanism for Maximum Range & Gripping Ability.
- For Auto & Light Truck
- Applications Range: 3-1/8" to 3-7/8"



AET-00621-B

Large Spider Filter Wrench (2-1/2" to 3-1/8")

- Adjustable Filter Wrench That Has Two Clamping Legs Driven by a Gear Mechanism for Maximum Range & Gripping Ability.
- For Auto & Light Truck
- Applications Range : 2-1/2" to 3-1/8"



AET-00471

Fuel Filter Removal Tool

- Makes replacement of the fuel filter a much quicker and easier job.
- Reduces the risk of damage to the intricate and expensive plastic filter housing or fastening ring.
- Take up fuel filter Housing outside of the vehicle in the vice to open and close the screwed cover.
- For Fiat, Lancia, Alfa Romeo, Opel, Vauxhall, Holden, Chevrolet, Citroen, Peugeot, Suzuki and Saab with diesel 1.3, 1.9, 2.0, 2.2, 2.3, 2.8, 3.0 engine.



AET-00622

Toyota, Lexus & BMW Makes Oil Filter Wrench Set (3 PCS)

- Cap Sizes : 64 mm x 14F / 73 mm x 14F / 74 mm x 14F
- A Durable & Long Lasting Oil Filter Wrench That Will Save You a Few Trips to The Automotive Repair Shop.
- Crafted From Aluminum Alloy for Durability & Firm Grip to Help You Remove Your Oil Filter Cap Faster & More Easily.
- This Oil Filter Wrench Set Comes in a Durable Hard Case Cover so as to Keep The Caps Inside Without Fear of Losing Them.
- Covers All TOYOTA & LEXUS VEHICLES From 1983 to 2006 in Addition to Some Other Makes.

Application:

- 64 mm (66.5 mm), 14 Flutes :
Fits the smallest sized filters found on Acura Models, Honda Civic, Accord, Prelude & Insight. It also Fits Most Infiniti Models, Nissan Armada, Frontier, Altima, Maxima, Titan, 350 Z, Toyota Camry, Corolla, Tercel, Paseo & Highlander.
- 73 mm, 14 Flutes :
Fits Toyota / Lexus Filters
- 74 mm (75.6 mm), 14 Flutes :
Audi (e.g. A3 TDI), BMW (E36 With 4 Cyl. Engine), Citroen, Fiat, Ford, Lancia, Mazda (e.g. 6 With 4 Cyl. engine), Mercedes (e.g. CDI engines, C- & E-Class With 4 & 6 Cyl. petrol engines), Nissan, OPEL, Peugeot, Porsche, Renault, Toyota, VW (e.g. Golf IV TDI), Works on 2.3L Mazda 3, 5, 6, CX-7/ 2.0 MX-5, 3, 03 Ford Fusion, & Mercury Milan 2.3L 4-Cylinder Engines



Engine Tools

引擎修護工具



AET-00620

HYUNDAI Cap Oil Filter Wrench (88.4 mm / 15F)

- Material: Aluminum

Description:

- With "Slit" Design, This Wrench Can Perfectly Fit With Oil Filter
- Because of This, Oil Filter Can be Easily Removed by Most Accurate Torque Setting
- Even Very Tight Oil Filter Can be Removed Without Damage
- Both Cartridge Type And Replaced Filter Type Can Be Used
- Many of HYUNDAI Oil Filter Can be Used
- Recommended Torque is 25 Nm +/- 5 Nm for Tightening

Application:

- 88.4 mm(88.22 mm), 15 Flutes : Works on 2006 Hyundai Sonata & Santa Fe 3.3L V6 Engines. Works on 2007 Hyundai Azera, Veracruz & Entourage 3.8L V6 engines. Works on 2007 Kia Amanti, Sedona & Sorrento 3.8L V6 Engines. Oil Socket Designed at 88.22mm to Fit New 3.3L 6-Cylinder Engines



AET-00618

VOLVO / BMW Cap Oil Filter Wrench (86 mm / 16F)

AET-00619

AUDI / VW / BMW Cap Oil Filter Wrench (84 mm / 14F)

- Material: Aluminum

Description:

- With "Slit" Design, This Wrench Can Perfectly Fit With Oil Filter
- Because of This, Oil Filter Can be Easily Removed by Most Accurate Torque Setting
- Even Very Tight Oil Filter Can be Removed Without Damage
- Both Cartridge Type & Replaced Filter Type Can Be Used
- Recommended Torque is 25 Nm +/- 5 Nm for Tightening

- **AET-00618 :** Many of VOLVO & BMW Oil Filter Can be Used

Application:

- 86 mm, 16 Flutes : Fits BMW 3, 5, 7 Series With N40, N45, N46 Engines 4 Cylinder Since 2001 & for Plastic Filter Holder With a Rechargeable Paper Oil Filter on BMW (316i, 318iAB, 01... etc.) Most All Newer, Volvo Model C30 S40, V40 V50 S70, V70 S80, V80

- **AET-00619:** Many Of AUDI, & VW & BMW Oil Filter Can be Used

Application:

- 86 mm (84 mm), 14 Flutes : Most Popular European Vehicles Such as BMW, Mercedes, VW / Audi & More



AET-00416

Toyota Oil Filter Socket

- Special designed for plastic oil filter cap or TOYOTA .
- It is easier to use in limited space .
- Use with 1/2" Dr. tool or 21 mm wrench .
- Size : 64.5 mm, 14PT .



AET-00751

Volvo Fuel Pump Tank Lid Wrench

- Special designed to remove and install the fuel tank lid on

Application:

- Volvo-V70(08-), XC70(08-), C30, C70(06-), S40(04-), V50, S80(07-)
- Suitable for engines: B4164S3, B4184S11, B4184S8, B5244S4, B5244S5, B5254T3



AET-00359

Volvo Diesel Filter Wrench

- Special designed to remove and install fuel filter on Volvo diesel engine.
- Suitable for Volvo C30, C70, S40, S60, S80, V50, V60, V70, XC60, XC70, XC90.



AET-00624

TOYOTA Oil Filter Wrench

- Applicable to [2005-2017] TOYOTA V6 & V8 Engines With Canister Style Filter Cartridge (Except Sequoia)
- Also Fits Camry, RAV4 With 4 Cylinder Engines. (Will NOT Fit Corolla or Prius)
- Engages the Notches on the V6 & V8 Filter Housings





Engine Tools

引擎修護工具

AET-00567

Oil Filter Cap Wrench Set (19 PCS) (For Cartridge Type Filter)

- Size: 460 x 490 x 65 mm
- Weight 4.04 kg



Size (mm)	Point	Suitable Formotorcar
SW 87mm	P-16	VOLVO
SW 63-64mm	P-14	TOYOTA
SW 74mm	P-14	MERCEDES-BENZ
SW 64.5mm	P-14	LEXUS
SW 64.5mm	P-14	TOYOTA
SW 84mm	P-14	2007 DODGER SPRINTER 2007 MERCEDES - BENZ E320 2007 JEEP CHEROKEE WITH 3.0L V6 COMMON RAIL DIESEL ENGINES
SW 67mm	P-14	FORD , MAZDA
SW 79mm	P-15	TOYOTA, HONDA , ISUZU , MITSUBISHI SUBARU ,MAZDA
SW 92mm	P-15	NISSAN , SUBARU
SW 94.5mm	P-15	NISSAN ,TOYOTA
SW100.5mm	P-15	MAZDA , MITSUBISH
Size (mm)	Point	Suitable Formotorcar
24mm		BMW 2004 & newer 5, 7 series & X5 with V8 motor (N62) Saturn 2008 Astra with 1.8L eco - tec Chrysler 2011 after with 3.6L V6 engine, 200, 300 & T/C Dodge Jeep
27mm		Mercedes A class ,FLAT 500 , PSA , Renault
30mm		Audi A2 VW Polo ,Lupo with 1.4L or 1.6L engine
32.5mm		Opel Astra G , Corsa B , Zafira ; Audi ; VW
36mm		Opel Omega, Vectra B, Zafira (98 on) BMW M43 / 60 , Mini Cooper Mercedes Vito CDI , C & E. class VW Lupo 1.2 TDI Man
38mm		Opel Vectra 2.0D
3/8" DR. Oil Filter Claw Wrench		
3/8" DR. x 1/2" DR. Adapter		

AET-00584

Oil Filter Removal Tools (7 PCS)

- T-Shaped / 24mm / 27mm / 30mm / 32mm / 36mm / 38mm x 3/8" DR.
- Low profile design with offset drive.
- For oil filter bodies where access demands is limited.
- Special design for tight confined areas.

Application:

- 24mm BMW N62 5/7 Series
- 27mm Mercedes-Benz A Class, Ford Fiesta 1.4/1.6 Tdci, Renault 1.5/1.9/2.2/2.5dci, BMW MINI 2006 2.2/2.4/3.2
- 32mm Vauxhall/Opel Astra-G / Corsa-B/ Volkswagen Polo 1.2 Transporter T5 1.9 2004, Audi A6 3.2 Tsi V6 2004, Rord Transit 2.0/2.4 2000-2006 - Application
- 36mm Mercedes Benz 200d/E220d/M604/C250d/ E250d/M605/ E300d/M606 Mb MbTransporter M616 /116mb/100 Transporter BMW M52 3 Series, 5 Series M60 6cyl 5/7/8 Series M73 12 Cyl 7/8 Series Vauxhal l/ Opel Vectra- B Di 16v 98 Onwards Volkswagen Transporter T5, Lupo 1.2 Tdi, Toureg Tdi,
- 38mm 2.0/2.2 Dti - Applications:
- 38mm Vauxhall/Opel Astra, Zafira



Size	Brand
T-shaped	VW/ Audi / Seat / Volvo. .
24mm	BMW
27mm	Mercedes / Mini / Ford / Renault / Hyundai / Kia...
30mm	VW/Audi / Skoda / Seat
32mm	VW/Audi/ Ford / Vauxhalls / Opel / SAAB / Hyundai/ Alpheon...Chevrolet/Saturn / Pontiac / Oldsmobile / GMC...
36mm	Mercedes / BMW / VW / Vauxhall/Opel...
38mm	Vauxhall Opel...

AET-00585

Oil / Fuel Filter Removal Tool (Mann / Mahle / Knecht)

- For VW, Audi, Seat, Volvo & other model oil / fuel filters where space is restricted.
- The strong, welded T-shaped head that engages the filter removal slot found in
- Mann / Mahle / Knecht :
Mann - W920, W920/7, W930,
W930/9, W940, W940/15, W940/20,
W9 40/25, W950, W950/1, W950/5,
W962/2, W962/7, W962/14, W1130/1,
WK940/4, WK950/4....
WK962/5, WP931, WP962/3...
Mahle / Knecht - OC51, OC83, OC214...



Engine Tools

引擎修護工具



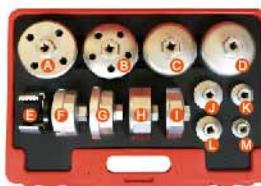
AET-00794K

Professional Oil Filter Wrench Set (13PCS)

- A comprehensive oil filter wrench set for removing both cartridge oil filter covers and oil filter canisters
- Work with a 3/8" DR ratchet wrench or 27mm wrench
- For Audi, BMW, Chevrolet, Ford, GM, Hyundai, Kia, Land Rover, Lexus, Toyota, Volkswagen and Volvo... Etc

Contents:

- A) Oil Filter Wrench for Hyundai
- B) Oil Filter Wrench for Land Rover
- C) Oil Filter Wrench for Volvo
- D) Oil Filter Wrench for BMW
- E) Universal Oil Filter Wrench
- F) Oil Filter Wrench for Toyota
- G) Oil Filter Wrench for Toyota and Lexus
- H) Oil Filter Wrench for Mercedes-Benz
- I) Oil Filter Wrench for Ford and Mazda
- J) 36mm Oil Filter Wrench
- K) 27mm Oil Filter Wrench
- L) 32mm Oil Filter Wrench
- M) 24mm Oil Filter Wrench and Toyota Differential Socket



Application:

- Hyundai: Azera(2005-2010), Entourage(2006-2010), Equus(2000-2008), Genesis(2008-2014), Grandeur (2005-2010), Santa Fe(2006-2010), Sonata(2005-2010), Veracruz(2006-2013)
- Kia: Amanti(2006-2009), Sedona(2006-2014), Sorento(2006-2008) (2006-2017)
- Land Rover: Discovery(2017-2020), LR4(2010-2013) (2014-2016), Range Rover(2002-2002) (2003-2009) (2006-2009) (2010-2019) (2014-2019) (2016-2019), Range Rover Sport(2006-2009) (2010-2019) (2014-2019) (2018-2019)
- Volvo: C70(1997-2005), S40(1995-2004) (2000-2004), S60(2000-2010), S70(1996-2000), S80(1999-2006) (2006-2016), V40(1995-2004), V70(1999-2008), XC70(2003-2006), XC90(2003-2006) (2006-2011)
- BMW: E81(2006-2012), E82(2007-2013), E87(2004-2012), F20(2011-2020), F22(2012-2020), F23(2014-2020), E90(2004-2011), E92(2005-2013), F30(2011-2018), F31(2012-2019), F32(2013-2020), F33(2013-2020), E60(2001-2010), E61(2004-2010), F10(2009-2017), E63(2003-2010), F12(2010-2018), E65(2001-2009), F01(2008-2015), E84(2009-2015), F25(2010-2017), F26(2013-2018), E70(2006-2013), F15(2013-2019), E71(2007-2014), F16(2014-2019), E86(2006-2008), E89(2009-2019)
- Toyota & Lexus: C-HR(2018-2018), Corolla(2010-2017), Matrix(2009-2013), Prius(2010-2018), Prius Prime(2017-2017), Prius v(2012-2017), 4Runner(2010-2020), Avalon(2005-2020) (2013-2018), Camry(2007-2020) (2012-2017), FJ Cruiser (2009-2014), Highlander(2008-2018) (2009-2019) (2017-2019), Land Cruiser (2008-2020), RAV4(2006-2012) (2009-2018) (2016-2018), Sequoia (2010-2012) (2010-2020), Sienna (2007-2020), Tacoma (2016-2020), Tundra(2008-2020) (2010-2014), Venza(2009-2015)
- Mercedes-Benz: W211(2007-2009), W212(2011-2013), X164(2007-2009), X166(2010-2016), W164(2007-2009), W166(2010-2014), W251(2007-2009) (2010-2012), W221 (2012-2013) Sprinter 2500(2010-2019), Sprinter 3500(2010-2019)
- Ford: Cougar(1998-2001), Ecosport(2005-2016), Escape (2001-2012) Fiesta(2001-2010), Fusion(2005-2013), Galaxy (2006-2015), Mondeo(2000-2015), Ranger(2011-2020), S-Max(2006-2014)
- Mazda: 3 Series(2003-2009), 5 Series(2005-2010), 6 Series (2002-2013), CX-7(2006-2014), MPV(1999-2006), Tribute(2000-2008)

AET-00527A / AET-00527B

Oil Filter Wrench

(Toyota / Lexus / Scion / Daihatsu / Subaru / Pontiac)

- The wrench is designed specifically to service Toyota vehicles with a cartridge type oil filter.
- The tool will not slip or get stuck on the filter housing unlike all the generic tools out there.
- **AET-00527A** Size : 71 mm / Drive: 3/8" Sq.
- **AET-00527B** Size : 80 mm / Drive: 3/8" Sq.

AET- 00527B



AET- 00527A

AET- 00527A

Japan market	AVENISI	IQ	CROWN
Plastic-Small	NOAH	VITZ	CROWN COMFORT
IST	VOXY	PASSO/ BOON (Daihatsu)	GS430 / 350
COROLLA AXIO	Plastic-Large	PASSO SEETE	GS250 / 350 / 450h
COROLLA FIELDER	LS600h / LS600h	RACTIS	HILUXSURF
RUMION	LS460 / 460L	TREZIA	LAND CRUISER PRADO
WISH	GS460	PORTE	HIACE
AURIS	MAJESTA	SPADE	REGIUSACE
PRIUS	FJ CRUISER	COROLLA AXIO	DYNA
PRIIUSa/MEBIUS (Daihatsu)	LAND CRUISER PRADO	BELTA	TOYO ACE
CT200H	Aluminium-Small	Aluminium-Large	VELLFIRE
PREMIO	bB	IS250 / 350	ALPHARD
ALLION	COO (Daihatsu)	MARK X	ESTIMA
ISIS	DEX (Subaru)	MAJESTA	VANGUARD

AET- 00527B

	Large	Small	
US market	4R unner	GS430	US market
Toyota 2005-2016	FJ Cruiser	GS300	Toyota 2009-2015
Avelon(Hybrid)	Hiace (Mexico)	LS600h	Prius (V)
RA V4	Lexus 2006-2016	LS460 (L)	Corolla
Camry (Hybrid)	IS200t	RC350	Matrix
Tundra	IS250(C)	RC300th	Lexus 2011-2015,2000-2006
Sienna	IS300	NX200t	CT200h
Alphard	IS350(C)	NX300h	ES330
Land Cruise	IS-F	RX450h	ES300
Land Cruise Prado	ES300th	RX350 (h)	Scion2008-2014
Sequoia	ES350	LX570	xD
Highlander	GS450h	GX460	IQ
Venza	GS350	Scion 2011-2016	Pontac2009-2010
Tacoma	GS460	IC	Vibe



Engine Tools

引擎修護工具

AET-00696

Plastic Oil Drain Plug

Application:

- For BMW
- Suitable for BMW
N13 - 1.6 / N20 - 1.6, 2.0 / N26 - 2.0



AET-00695

Plastic Oil Drain Plug

Application:

- For FORD
- Suitable for FORD
1.5, 1.6 TDCi / 1.0, 1.6 EcoBoost
- Suitable for FORD
1.5, 2.0, 2.3, 2.5, 2.7, 3.5, 3.7,
5.0, 5.2 petrol / 6.2, 6.7, 6.8 diesel



AET-00694

Plastic Oil Drain Plug

Application:

- For FORD/PEUGEOT/CITROEN
- Suitable for FORD 2.0 TDCi
- Suitable for PSA 2.0 Hdi



AET-00749

Oil Filter Housing Removal Tool (Waf 27mm)

- This oil filter housing removal for the removal and installation of the specified difficult to access oil filter covers.
- Indispensable tool when replacing the oil filter cartridge.



Application:

- Oil filters on FORD / PSA 2.0 L Duratorq -TDCi / HDI (DW10C) and 2.2 L Duratorq -TDCi / HDI (DW12C) diesel engines.
- S Max, Mondeo, Galaxy, Euro 6 compliant engines from 2010 onwards.
- Bi Hex X 1/2" Drive

AET-00352 / AET-00353 / AET-00354 / AET-00355 / AET-00356

Oil Filter Wrench

- Removes any oil filter quickly. Diamond-sand-coated triple-clamp securely holds oil filter, with gripping force increasing as user turns the wrench. Never any slippage
- Available for large and small oil filters(75~138mm, 55-95mm dia.)
- Anti-slip design with non-slip pad at bottom and diamond-sand-coated triple clamp
- User-friendly design
 1. Strong magnet at bottom to enable wrench to hold oil filter for easily tool change.
 2. AET-00352, 353, 356 with ratchet to install oil filter with ideal tightness.
 3. Short and long triple-clamps available for filter of any configuration and size.



AET-00352

AET-00353

AET-00354/AET-00355

AET-00356

ITEM NO	Body	Triangle Clamp			Rotary Wrench	Wrench	Packing	Oil Filters Size	Torque	Application
		36mm x 3	56mm x 3	66mm x 3						
AET-00352	•	•	•	-	•	•		55-100	150	Diesel Microcar
AET-00353	•	•	•	-	•	-	Blow Modeled Case	55-100	150	Diesel Microcar
AET-00354	•	-	•	-	-	-		80-140	250	Medium lorry
AET-00355	•	-	-	•	-	-		80-140	250	Big Truck
AET-00356	•	•	-	-	-	-	Blister	55-100	150	Gasoline Microcar

Engine Tools

引擎修護工具



AET-00715K

Oil Drain Plug Key Set (12PCS)

Contents:

- Size: 8mm Hex
 - BMW (BA), FORD (GB), GM (BA, GB)
- Size: 9mm Hex
 - GENERAL MOTORS (BA)
- Size: 10mm Hex
 - FORD (BA)
- Size: 12mm Hex
 - FIAI LANCIA (GB, SU), PEUGEOT TALBOT (GB, SU)
- Size: 14mm Hex - LANCIA (GB, SU), MERCEDES (BA, GB)
- Size: 17mm Hex - AUDI (GB), AUSTIN (GB), BMW (GB), VW (GB)
- Size: 3/8" Hex - BLMC (MORRIS) (BA), LANCIA BETA (DIFF)
- Size: 8mm (5/16") SQ - CITROEN (GB, SU), PEUGEOT (BA, GB, SU), RENAULT (SU), TALBOT (GB, SU), VOLVO (SU)
- Size: 11mm SQ - FORD (BA, GB)
- Size: 13mm SQ - NISSAN (BA, GB), SUBARU (BA)
- Size: 3/8" SQ - HONDA (GB, SU), MAZDA (BA, GB), RENAULT (GB, SU), SAAB (GB), VOLVO (BA, SU)
- KEY: BA = BACK AXLE, GB = GEAR BOX, SU = SUMP



AET-00765K

Diesel Injection Pump Remover & Sprocket Retainer Set

- Material: Carbon Steel
- A: Pump remover & Sprocket retaining tool covers injection/HP pump removal on BMW models with M74/M47TU and M57/M57TU2.0 & 3.0 diesel engines.
- B: Pump remover Sprocket retaining tool covers injection/HP pump removal on LAND ROVER FREELANDER and ROVER75 models with Td4 and M47 2.0 engines.



AET-00697

Tool Set for Plastic Oil Drain Plug

Application:

- For FORD/PEUGEOT/CITROEN Oil Drain Plug
 - Suitable for FORD 2.0 TDCi
 - Suitable for PSA 2.0 HDi
- For FORD Oil Drain Plug
 - Suitable for FORD 1.5, 1.6 TDCi / 1.0, 1.6 EcoBoost
 - Suitable for FORD 1.5, 2.0, 2.3, 2.5, 2.7, 3.5, 3.7, 5.0, 5.2 petrol / 6.2, 6.7, 6.8 diesel
 - Suitable for LINCOLN 2.0, 2.7, 3.7 petrol
- For BMW Oil Drain Plug
 - Suitable for BMW N13 - 1.6 / N20 - 1.6, 2.0 / N26 - 2.0
- For VW/AUDI/SKODA/SEAT Oil Drain/Cam Cover Plug
 - Suitable for VAG 1.8, 2.0 TSI / TFSI ; 1.6, 2.0 TDI



FOR VAG · PORSCHE



FOR FORD · PSA



FOR FORD



FOR BMW

AET-00714K

Oil Drain Plug Key Set (21PCS)

- Suitable for sump plugs on engine, gearbox and back axle

Contents:

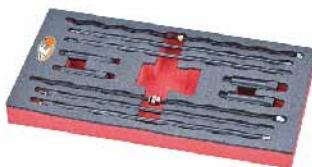
- Hex key socket: 8, 9, 10, 12, 13, 14, 17mm
- Square socket: 5/16", 3/8", 7, 8, 10, 11, 12, 13, 14mm
- Torx socket: T45
- Triangular socket: 10mm
- Spline (TAMPER) socket: M16
- Square drive socket: 10mm 3/8" DR. sliding T-handle



AET-00575

Glow Plug Extraction Set M10x1 - M10x1.25 - M9x1 - M8x1

- Specialist Set for the extraction of glow plug electrode terminals in the event of breakage or seizure. Allows plug extraction without time consuming & expensive cylinder head removal.
- Suitable for M10, M9, M8 terminals found on most vehicles.





Engine Tools

引擎修護工具

AET-00649-V

8PCS Nylon Oil Drain Plugs For Audi & VW

- Nylon oil drain plug used on VAG models
- Also used in the engine gasket head cover on some VAG models
- Drain plug should be changed each time after oil change
- Includes a handy drive & a H-shaped bit



Contents	
1PC	Handle with hex
1PC	H-shaped Bit
6PCS	VAG drain plug

Make	Model	Year
Audi	A1	2014-2018
Audi	A3	2012-2018
Audi	A3 Quattro	2012-2016
Audi	A4	2007-2015
Audi	A4 Quattro	2013-2015
Audi	A5	2009-2017
Audi	A5 Quattro	2013-2016
Audi	A6	2010-2018
Audi	A6 Quattro	2014-2016
Audi	A7	2010-2018
Audi	A7 Quattro	2017-2017
Audi	Q3	2015-2017
Audi	Q3 Quattro	2015-2017
Audi	Q5	2008-2018
Audi	TT	2014-2018
Audi	TT Quattro	2014-2017
Seat	Ibiza	2008-2017
Seat	Leon	2012-2017
Skoda	Octavia	2012-2017
Skoda	Superb	2015-2017
Volkswagen	Beetle	2011-2017
Volkswagen	Golf	2012-2017
Volkswagen	Golf R	2015-2017
Volkswagen	Golf Sport Wagen	2015-2017
Volkswagen	GTI	2015-2017
Volkswagen	Passat	2014-2017
Volkswagen	Polo	2010-2017
Volkswagen	Tiguan	2016-2017

AET-00649-B

6 PCS Nylon Oil Drain Plugs For BMW

- Nylon oil drain plug used on BMW
- Work with an Allen wrench for removal
- O-ring: Ø19 x 3 mm / Max. Torque: 8 Nm
- Material: PA6-GF12 / Internal Hex: 10 mm
- Quantity: 6 PCS / Thread Size: M24 x P1.5
- Drain plug should be changed each time after oil change.
- Diameter: Ø36 mm



AET-00649-F

6PCS Nylon Oil Drain Plugs For FORD

- Nylon oil drain plug used on Citroen, Ford & Peugeot
- Drain plug should be changed each time after oil change
- Locking type provides leak-free connection
- Diameter: Ø37 mm / Height: 21 mm / O-ring: Ø29.5 x 3.5 mm / Material: PA6-GF35 / Quantity: 6 PCS



Make	Model	Year
Citroën	C4 Grand Picasso II	2013-2018
Citroën	C4 Picasso II	2013-2018
Citroën	C5 III	2009-2018
Citroën	C5 III Break	2015-2018
Citroën	DS4	2014-2015
Citroën	DS5	2013-2015
Citroën	Jumpy Kasten	2016-2018
Citroën	Spacetourer	2016-2018
Ford	Kuga II	2014-2016
Ford	Mondeo V Turnier	2014-2018
Ford	S-Max	2015-2018
Peugeot	3008	2009-2018
Peugeot	308 II	2013-2018
Peugeot	308 SW II	2014-2018
Peugeot	5008	2009-2018
Peugeot	508	2014-2018
Peugeot	508 SW	2014-2018
Peugeot	Traveller	2016-2018

Engine Tools

引擎修護工具



AET-00492

1/2" DR. Oil Filter Wrench

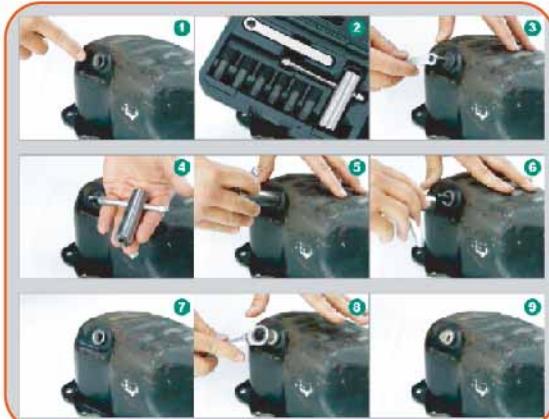
- Size : 24 mm
- Special crows foot used to remove the DSG oil filter on VAG vehicles. Apparently the filter is under the battery tray and with this tool you do not have to disconnect or move the battery etc. Save your time.
- Suitable for VW DSG engine.



AET-00510

Oil Drain Plug Washer Seat Resurfacing Set

- Tools for resurfacing the washer seat of oil drain plug.
- Resurfacing of the washer seat ensures reliable sealing in the area of the oil drain plug.
- Pilot centering pin allows a correct centred boring on the washer seat.



AET-00468

Assembly Tool For Plastic Oil Drain Plug (VAG Group)

- Required for proper removing and installing of the special plastic oil drain plug (M14 x 1.5 x 22) at plastic oil pan.

AET-00468 (Hex)



AET-00802K

Dummy Regulators Set For Testing Diesel Common Rail System

- Used with the tester and suitable adapters, it makes it possible to determine whether the problem is the high pressure pump or the regulator when there is no pressure in the high pressure circuit in common rail engines
- Recommended for Bosch, Delphi, Denso and Siemens pressure regulators





Engine Tools

引擎修護工具

AET-00781

Moisture Meter

- Display: LED
- Measured range: 7 % - 35 %
- Precision: $\pm 1\%$
- Power source: One AAA 1.5 V battery (Included)



AET-00380

Infrared Thermometer

- Infrared thermometer is designed to measure surface temperature whereas traditional contact type thermometer is inappropriate. For example, measurement of moving object, items with live voltage and items not reachable.
- Distance to spot ratio: 30:1
- Temperature range: -50 to 800°C
- Laser indicator and backlight
- Low battery indicator
- Accuracy: $\pm 2.5\%$ or $\pm 3\%$ °C
- Resolution: 0.1°C
- Operating temperature: 0 to 50°C
- Storage temperature: -20 to 50 °C
- Changeable: Between °C and °F
- Power: One 9 V Battery(not included)



AET-00098C

Brake Fluid Tester

- Suitable for DOT3, DOT4, DOT5.1
- Green LED: Battery OK, Less than 1 % of water content in the brake Fluid.
- Yellow LED: Less than 2 % of water content in brake fluid
- Red LED: At least 3 % of water content in brake fluid.



AET-00408

Infrared Thermometer

- Is the non-contact way to make safe and quick temperature checks on mechanical equipment, electrical circuits and building systems while in operation.
- Regular monitoring of heat (infrared energy) emitted from surfaces can prevent potential problems and failures.
- Laser indicator and backlight
- Distance to spot ratio: 12:1
- Changeable: Between °C and °F
- Temperature range: -30~550 °C
- Power: One 9 V battery(not included)
- Low battery indicator
- Accuracy: $\pm 2.5\%$ or $\pm 3\%$ °C
- Resolution: 0.1 °C / 0.1 °F
- Operating temperature: 0 to 50 °C
- Storage temperature: -20 to 50 °C



AET-00382

Universal Tensioning Gauge For Cam Belts

- Suitable for belts of varying thickness Dual scales allows the measurement to be taken from Knurled knob for precise measurement .
- Easy to use
- Clear incremental marking



VS-030

Endoscope

- 8 mm waterproof camera head with 6 LED Light
- Flexible Tube
- LED lighting adjustable .
- Surveying pipes, equipments and car repairing.
- IP 67 (Camera head and flexible tube)



Engine Tools

引擎修護工具



VS-021

Videoscope For Fast And Accurate Inspection

- 5.5 mm 1Mtr. Probe Tube (Hyperion)
- 70, Hook & Maghet, 110DG Mirror Adaptor*1
- 3.5" TFT LCD

VS-022

Videoscope For Fast And Accurate Inspection

- 6 mm 1Mtr. Probe Tube (Hyperion)
- Two-ways Articulation Probe (Hyperion)
- 70, 90, 110DG Mirror Adaptor*1
- 3.5" TFT LCD

VS-021/VS-022



System Dimension	117.5x207x37 mm
Power	Rechargeable Battery Li-polymer Battery 3.7V Power Supply AC100-240V 50-60Hz Power Consumption DC5.5 1.8A
Display	Display: 3.5 Tft Lcd QVGA
Recording Medium	4G SD Card
Video Out Format	NTSC & PAL, AV
Interface	AV out
Compression Format	Compliant with MPEG4
Still Image Storage Format	(Jpeg) 640x480 pixel
Frame Rate	~30 fps
Exposure	Automatic
White Balance	Fix
S/N Ratio	42dB or more
Language	English, French, German, Italian, Spanish, Portuguese, Dutch, Danish, Polish, Russian, Bulgarian, Turkish, Swedish, Finnish, Norwegian, Romanian, Greek, Estonian, Lithuanian, Latvian, Hungarian, Czech, Slovak, Slovenian, Traditional Chinese, Simplified Chinese, Japanese.
Working Temperature	0 °C~60 °C
Storage Temperature	0°C~60 °c

VS-F500BAG

Carrying Bag-Black

- Suited VS-012,VS-021,VS-022



VS-022HT

Holding Tube For VS-022





Engine Tools

引擎修護工具

VS-028 / VS-029

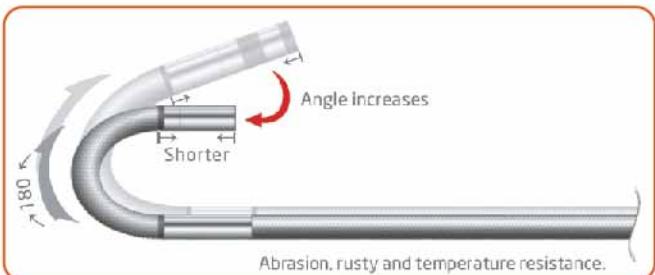
Videoscope For Fast & Accurate Inspection With 4.5 mm x (1.5 / 3 mtr) Probe

- The Revolutionary Design With Handy , Solid , & Compact That Makes Inspection Easier & Faster
- 180° Bending Angle, More Inspection Areas.
- Full Outer Braided Stainless Steel Tube Provides Superior Durability Abrasion, Rusty & Temperature Resistance.



Contents

1PC	Main System (Hyperion)
1PC	SD Card
1PC	USB Cable
1PC	AV Out Cable
1PC	User Manual
1PC	Ø 4.5 mm (1.5 / 3 mtr) Two Way Articulaltion Probe (Hyperion)
1PC	Tube User Manual
1PC	Blow Mold Case



VS-028 / VS-029	Features Description
System Dimension	117.5 x 207 x 37 mm
Power	Rechargeable Li battery : 3.7V Power supply (AC 100-240V / 50-60 Hz) Power consumption DC5.5V 1.8A
System Weight	388g
Display	3.5" TFT LCD QVGA
Video out	NTSC & PAL / AV out
Video / Photo File Format	AVI / .jpg
Video / Photo Resolution	640 x 480
Battery Life	4 Hrs (2 Hrs Charge to Full)
Storage	SD card (SDHC) , Up to 32G
Working Temperature	0 °C~60 °C
Storage Temperature	0 °C~60 °C

BRAKE, SUSPENSION & UNDER CAR TOOLS



Brake, Suspension &
Under Car Tools

274



Brake, Suspension & Under Car Tools

煞車、車底修護工具

AUT-00364

Shock Absorber Spring Compressor

- Rotate the steering disc to make it move up-down for quick operation and labor-saving, it won't leak oil like hydraulic type
- Special designed upper jaws to adjust up-down and front-back direction for fixing the spring tightly, safely and stably
- The compressor fixed base could hold the cylinder center very easily and it's very convenient to dismantle
- The lower supporting stand could prevent the shock absorber from moving downside to make the cylinder to be deformed
- Specially designed for dismantling shock absorber, applicable for most cars

Contents:

- A: Steering Wheel
 - Device design, within the additional bearing to make use of more labor-saving
 - There are 3 parts, screws, hex bolts
- B: Activities Range
 - Activities in the range of 200-530 mm Max.
- C: Use Bracket
 - The new design, enhance the ease of installation more
- D: Activities Claw
 - Claw design, common to all cars, light trucks shock springs
- E: Base
 - Chassis increase the thickness, the use of more stable, more peace of mind (Base x 1 ; Screw x 4)



AUT-00369

Lever For Removing Wishbone Heads And Shock Absorbers From Pillar

- One operator can position lever effortlessly and proceed with disassembly
- It is enough to apply a force of 20 Nm
- Material: CR-V
- Overall length: 970mm



AUT-00370K

Heavy Duty Locking Ring Tool Set

- The Tool Is Designed To Fit The Larger Lock Rings. For Example The Lock Ring On The Axle Shaft Of Passenger Cars, Light Commercial Vehicles And Trucks.
- The Adjusting Screw Has A 3/8" Ratchet Grip Which Provides Enough Power To Easily Remove Stuck And Rusted Lock Rings
- The Grip Angle Between The Tips Will Also Always Be Correct No Matter The Size Or Position Of The Lock Ring.
- This Makes The Tool Safer, More Effective And Easier To Use Than Ordinary Pliers



Contents:

- 2PCS circlip pin 2.2 mm
- 2PCS circlip pin 2.5 mm
- 2PES circlip pin 3.0 mm
- 2PCS circlip pin 3.5 mm
- 2PCS circlip pin 3.8 mm
- 2PCS circlip pin 4.2 mm
- 2PCS circlip pin 2.2 mm, with 45° angle
- 2PCS circlip pin 2.5 mm, with 45° angle
- 2PCS circlip pin 3.0 mm, with 45° angle
- 2PCS circlip pin 3.5 mm, with 45° angle
- 2PCS circlip pin 3.8 mm, with 45° angle
- 2PCS circlip pin 4.2 mm, with 45° angle
- 2PCS circlip pin 2.2 mm, with 90° angle
- 2PCS circlip pin 2.5 mm, with 90° angle
- 2PCS circlip pin 3.0 mm, with 90° angle
- 2PCS circlip pin 3.5 mm, with 90° angle
- 2PCS circlip pin 3.8 mm, with 90° angle
- 2PCS circlip pin 4.2 mm, with 90° angle

AUT-00365K

Internal Coil Spring Compressor (3PCS)

- Suitable for coil springs with internal diameter $> \varnothing 75$ mm and external diameter $< \varnothing 155$ mm
- Special pins on tool body to mesh with grooves on discs to create a secure connection
- Can be operated with an air/ impact wrench
- Break point: 12900 kgf (ca. 126505 N)
- Max load: 6525 kgf (ca. 64000 N)



Application:

- Audi A4, A6
- BMW 3 Series E46, X3 E83, X6 E71, E72, Z3 E36
- Citroen Berlingo, C8, Dispatch
- Fiat Bravo, Croma, Punto, Scudo, Ulysse
- Ford Galaxy, Maverick, Mondeo
- Hyundai Getz, Santa Fe
- Mercedes-Benz A-Class W169, W176, B-Class W245
- Nissan Cube, Leaf, Micra, Murano, Versa
- Opel Astra G/H/J, Corsa B/C, Insignia, Zafira A/B
- Peugeot 207, 807, 5008
- Renault Clio, Espace, Laguna, Thalia
- Tesla Model 3
- Volvo C70, S80, V60, V70, XC60, XC70



Brake, Suspension & Under Car Tools

煞車、車底修護工具



AET-00302

Front Spring Compressor-Volvo

- Used for fix the front suspension while replacing the hub, ball joint or bush,to prevent the rebound from the spring.
- Applications:
VOLVO:S60(01~10),
S80(99~06),V70(00~07),
XC70(02~07), XC60(09~),
XC90(03~)
- OEM ref:9997256



AET-00546

Wheel Hub Puller Set

- Puller plate size :
A : 90 - 130 mm, B: 100 - 180 mm
- Puller bolts :
M12 x 1.25 , M12 x 1.5 , M12 x 1.75 ,
M14 x 1.5 , M16 x 1.5
- Hex nut : M14 x 1.5
- Adaptor : 2-1/4" x 14 UNS on
M18 x 1.5
- Slide Hammer : 4.8 kg
- Spindle: M18 x 1.5 x 230 mm
- Suitable for Alfa Romeo , Audi , BMW , Citroen ,
Fiat , Ford , Opel , Mercedes-Benz , Skoda , Seat ,
Volkswagen ,Mazda , Porsche , Renault , etc.



AUT-00313K

Hydraulic Bearing Separator/Puller

- Forged steel 3 way bearing separator and gear puller set.
- Operated with supplied 10tonne hydraulic ram or manual force screw.
- Features a selection of extension rods depending on reach required.
- Model no: PS9821
- Puller leg reach: 160mm
- Puller leg size/spread: 190mm
- Separator capacity: 30-84mm
- Extension rods (x4): 15, 65, 185, 340mm
- Manual thrust screw length: 210mm



AUT-00083

Subframe Alignment Pins

- Ensure correct alignment of subframe, suspension and steering components.
- Equivalent to OEM 205-316a.

Application:

- For A Wide Range of
Ford Vehicles-Including:
C-Max,Cougar,Escort, Fiesta, Focus,
Fusion, Galaxy, Kuga, Mondeo, Orion, Puma, S-Max,
Tourneo Connect, Transit, Transit Connect, Transit Custom.



AUT-00330

Hub & Brake Rotor Gauge

- Checks tire and wheel run-out!!
- Measure the brake disc or hub
- Measuring range is: 0-10mm
- Graduations: 0.01mm
- Aluminum clamp range is: 20-100mm



AUT-00346

Adjustable Blind Inner Bearing
Slide Hammer Puller

- Used for removing many bearings and bushings.
- Features a rust resistant finish
- A handle for use with hammer
- Adjustable Jaws width: 12.5mm to 53mm



AUT-00347

Pilot Bearing Puller Attachment

- This Pilot Bearing Puller Attachment inserts behind bearing to allow it to be safely hammered out with the slide hammer.
- It will also pull the bearings and bushings on starters and generators.
- Used as an attachment for Slide Hammer Puller or other manufactured.
- This pullers with a 5/8 - 18 or 3/4 - 16 threaded rod.



AUT-00360

Slide-Hammer Puller Set For Drive Shaft

- Use the expandable and adjustable steel cable to clip the axle/drive shaft tightly, and pull out axle/drive shaft with slide hammer easier
- Material:
 - Body: Iron
 - Slide Hammer: cast iron
 - Cable: Steel
- Overall length: 980mm





Brake, Suspension & Under Car Tools

煞車、車底修護工具

AUT-00359

Universal Bearing Ring Puller

- Universal bearing ring Puller with a rotary system
- Three legs with the ultra sharp edge provides an equal gripping tension on all sides to avoid any slide and tilt
- Avoiding any slipping and tilt
- Material: 4140
- Surface Finish: Phosphate
- The ultra sharp jaw edges allow to clamp between 0.5mm
- Fits all kind of bearings and sleeves, between 10mm and to 125mm.



AUT-00085

Drive Shaft Joint Inserter

- It is guide of the c ring tool.
- Compress the circlip that is spreading, and fix the fixed joint.
- C ring can be reliably held. It can be assuredly assembled.
- Since it is a screw type, you can easily compress the circlip evenly.
- Overall Length: 150mm
- Max Open Range: 50mm



AET-00699

Shake-N-Break Air Impact Screw Remover

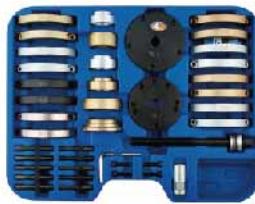
- Helps to loosen corroded, rusted, dirty, painted, undercoated and over tightened screws quickly.
- Easily turn the screw with the help of the attached handle.
- Works well on cars, trucks, boats, motorcycles and farm equipment.
- Work with 5/16" hex. impact bits.



AUT-00312K

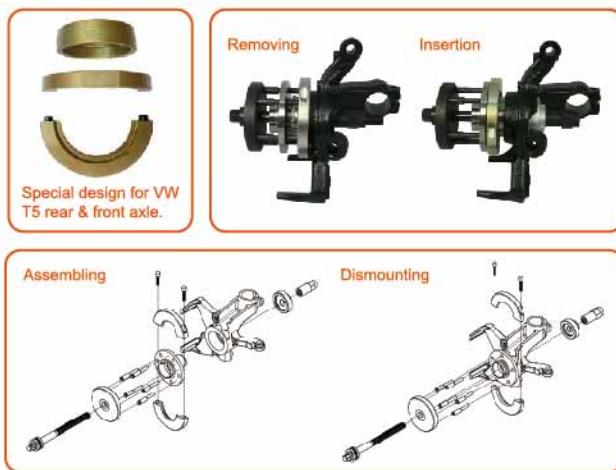
Compact Wheel Hub/Wheel Bearing Tool Set

- For removing and installing the wheel hub or wheel bearings of built-in parts on cars.
- Suitable for cars with 62mm/66mm/ 72mm/85mm wheel bearings.
- The design can prevent damage to the new wheel bearing because it provides safe and accurate centering and alignment when changing wheel bearings.



Application:

- Audi-A2 (1995-05). VW-Lupo (1995-05). Polo (2000-02). Fox (2005-). T5/Transporter/Multivan/Touareg., Seat-Arosa (1995-05) Cordoba(1995-05) Ibiza(1995-05). SKODA-Fabia. Roomster



AUT-00361 Series

Multi-Purpose Inner Tie Rod Tool

- Use for replace inner tie rod ends without removing the rack and pinion
- Internal serrated design to make grip tight
- Use with ratchets and extensions by 1/2" DR.
- Suitable for most vehicles & trucks
- Material: Chrome Molybdenum steel
- Surface Finish: Phosphate



ITEM NO.	Length		Capacity mm
	mm	mm	
AUT-00361A	81.5	33-42	
AUT-00361B	87.5	42-50	

Brake, Suspension & Under Car Tools

煞車、車底修護工具



AUT-00086

Rear Hub Nut Socket

Application:

- For the rear axle nut on Ford Transit (2014-)



AUT-00076

Lexus / Toyota Steering Rack Socket

- Assists in the Removal & Installation of the Steering Rack O-Ring.
- Allows Steering Rack to Remain in Vehicle for Repairs.
- Suitable For :
Lexus RX330 / X350 (2004 ~ 2009)
Toyota High Lander (2004 ~ 2007)



AUT-00257

Dodge Wheel Hub Removal Adaptor

- The adaptor is designed to take off the front hubs found on the 3/4 Ton (2500 series) & 1 Ton (3500 series) Dodge pick up trucks.
- The adaptor was designed to cut the flat rate for changingout U joints, front differential service, ball joints & any front hub service.
- The adaptor works on both 6PT fasteners for newer models & 12PT fasteners found on older Dodge trucks.



Step 1: Use socket & ratchet to loosen the four hub bolts.

Just back the bolts out about a quarter inch (need them to press the hub out of the knuckle)

Step2: Place the adaptor over hub bolt.

Turn Steering knuckle assembly to hold free end of the adaptor in place against axle bracket.

Apply pressure by turning steering wheel

AUT-00228

Jointed Latch Hook

- Especially suitable for removing the wishbone from the suspension ball joint clamping hole on conjunction with the slide hammer.



AUT-00075

Rear Toe Adjustment Tool (MINI)

- On 1st Generation MINI Coopers (2002~2006), the Rear Toe Angle is Adjusted by Moving the Forward Central Arm Bushing Mount with the Special Tool 32 4 200.
- On 2002~2006 Models, Rear Toe is Adjusted by an Eccentric Bolt & Plate that Secures the Lower Transverse Link to the Trailing Arm. Once the Three Mounting Bolts are Loosened, the Central Arm Has Slotted Holes Which Allow for Movement.



AUT-00261

Tie Rod End (Ball Joint) Boot Installer

- Installing of the tie rod end boots (press fit type) for passenger cars.
 - It can also be used for ball joint boots.
 - Does not damage the boots.
- ID.Ø (OD.Ø) : 34 (44), 36 (46), 37 (47), 38 (48), 42 (52), 45 (55), 48 (58), 53 (63)





Brake, Suspension & Under Car Tools

煞車、車底修護工具

AUT-00269

Universal Support Hook

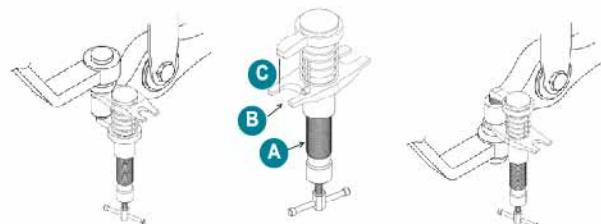
- The Universal Support Hook can be your third hand to hold the steering knuckle or brake caliper, prevent the oil pipe or wire be tearing!!!
- Range : 200 ~ 520 mm



AUT-00279

Hydraulic Ball-Joint Puller

- The special design & function for dismounting the ball-joint on passenger cars!!
 - Both of the tools can switch position in tight areas of the wheel suspension!!
 - The jaw opening also can be turn to fit ball-joint size!!
- A. Capacity force : 7 Ton
 B. Jaw opening : 25, 32 mm
 C. Fit range : 60~72 mm



AUT-00259 /AUT-00260

Steering Drop Arm Puller (Land Rover)

- This tool is designed for the removal of the steering drop arm from the steering box.
- Over time, the steering drop arm & the steering box splines can corrode together, making it difficult to remove the steering drop arm.
- Using this tool will ensure your steering box splined shaft & oil seal will remain intact.



AUT-00259
for Series 2 , 2A & 3.



AUT-00260
for the Defender, 90,
110, 130 (1987~2006)
3 & 4 bolt steering boxes.



AUT-00111

Guide Bolt Repair Set (12 PCS)

- The Tool Set Is Used For Repairing Faulty Inner Threads For Brake Guide Bolts In Wheel Bearing Housings / Brake Calliper Carriers.
- This Often Helps To Avoid Customer Complaints About High Costs Caused By Wheel Bearing Replacement.
- There Is No Longer Any Need To Remove The Wheel Bearing And Strut And Then Align Axles Either.



Application:

- Drill Open The Faulty Thread M9 X 1.25 And Install A New Thread Of M10 X 1.25 Using The Thread Tap.
- The Guide Bolts Included Can Now Be Screwed Directly Into The New Thread
- Used For VW, Audi, Seat, Skoda, Ford, Opel..



AUT-00275

VAG Camber Adjusting Tool

- Special 18 mm offset wrench for adjustment of rear axle camber.



VW	Caddy 2004, Eos 2006, Golf 2004, Golf 2009, Golf Plus 2005, Jetta 2006, Passat 2006, Passat CC 2009, Polo 2002 :Polo 2010, Scirocco 2009, Sharan 1996, Tiguan 2008, Touran 2004
Audi	A3 2004, Audi A4 2001, Audi A6 2005, Audi A8 2003, Audi TT 2007
Skoda	Octavia II 2004 >, Octavia III 2013 >, Superb II 2008 >, Yeti 2009 >, Citigo 2011 >
Seat	Alhambra 2011 >, Alhambra, Altea 2005: Toledo 2005, Ibiza 02 / Córdoba 03, Leon 2006. Altea XL 2007, Altea Freetrack 2007, Ibiza 2008->, Altea 2009, Leon 2009, Altea XL 2009, Altea Freetrack 2009, Toledo 2013, León 2013 ; Ateca

Brake, Suspension & Under Car Tools

煞車、車底修護工具



AUT-00274

Wheel Hub Holding Tool

- Used to hold the wheel hub in place while the axle nut is removed / installed or wheel bearing service.
- 1/2" square drive for breaker / extension bar.
- Works on vehicles with wheel stud bolt patterns ranging from 4 x 100 mm (3.937") to 8 x 170.3 mm (6.704").



100 ~ 114.3 mm (3.937" ~ 4.5") 100 ~ 139.7 mm (3.937" ~ 5.5") 114.3 ~ 139.7 mm (4.5" ~ 5.5") 165.1 ~ 170.3 mm (6.5" ~ 6.704")

AUT-00103

Universal Adjustable Bearing Tool

- Suited For : Universal
- Time Saving Because You Never Again Have To Search For A Suitable Driver, Lightweight Alloy Material Eliminates Damage To Racer Housing, Arresting And Lockable.
- Universal Adjustable Bearing And Seal Press Piece.
- Reach: Ø18-86 mm
- Easy To Use ;
- Can Be Adjusted To The Suitable Diameter By Turning.



1. Loosen the screw, and then turn the dial to expand the jaws.



2. The face of the jaws seat against the race or seal.



3. Tighten the screw.



4. place the race or seal in the mouth of the housing.



5. Tap the driver handle to face the race or seal into place.



6. Done

AUT-00243

Wheel Hanger Set (5 PCS)

Contents:

- Size: 5PCS M12xP1.5, M12xP1.5, M14xP1.25, M14xP1.5, M16xP1.5



AET-00488

Brake Caliper Bleeding Tool Set (6 PCS)

Contents:

- 1PC Ideally Suited To Brake Bleed Screws
- 1PC For Bleeding The Brakes Without Disassembling The Wheels
- 1PC Reversible Ratchet Wrench Makes Releasing And Tightening Easier
- 1PC Include Fine-Toothed And Reversible Ratchet With Angled Head
- 1PC Silicone Bleed Hose Remains When Releasing And Tightening Bleed Valve
- 1PC Contains Short And Long Hexagon Through Sockets



AUT-00201

Original HUB Master

- A self centering mechanism under load.
- Easy R&R of Rear Wheel Drive European vehicles.
- Wide application range of Front Wheel Drive vehicles.
- Available as vehicle specific Sub-Kits (non Master Kit).
- Complete easy to follow instructions.
- Rear Wheel Drive= Mercedes, Porsche, BMW. Front Wheel Drive= VW, Audi, Asian, some Domestic.





Brake, Suspension & Under Car Tools

煞車、車底修護工具

AUT-705B-13

Universal Puller Set

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



AUT-00263

Pipe Stretcher Set

- Stretches Pipe up to 4-1/4" Including Stainless Steel.
- Use with an impact wrench to quickly stretch pipes.
- Collet sets expand pipes from 1-5/8" to 4-1/4".
- The tool can be used on the vehicle.
- The pipe stretcher set is a convenient, inexpensive alternative to hydraulic pipe expanders.
- Comes in a molded storage case.



Applications:

- Expands all types of exhaust pipe, including stainless steel, from 1-5/8" to 4-1/4" in size.

Instructions:

- Turn 1-1/8" bolt with a 1/2" or 3/4" impact wrench.
 - If necessary, choose appropriate aluminum adapter to use with the standard expander tool.
 - The #3 adapter must be used with the #5 adapter.
 - Be sure to keep threads & cone well lubricated.
- Extender #1 (2-3/8") / Extender #2 (2-3/4") / Extender #3 (3-1/8")
Extender #4 (3-1/2") / Extender #5 (3-7/8")

AUT-00354K

Shock Absorber Tool Set (24PCS)

- Shock absorber tool set includes 6 special extended sockets specifically designed for repairing and replacing shock absorbers.

Contents:

- 6PCS 80mm long sockets:
16, 17, 18, 19, 21, 22mm
- 6PCS 180mm extra long sockets:
16, 17, 18, 19, 21, 22mm
- 2PCS 3/8" DR. adaptors: 90 & 190mm long
- 4PCS Hex 30mm long bit: H5, H6, H7, H8
- 1PC Star 30mm long bit: T50
- 1PC Spline 30mm long bit: M10
- 4PCS Hex nut drivers: H10
Metric: 5mm, 6mm, 8mm



AUT-00339K

Screw Extractor Set (9PCS)

- Made of hi-grade steel.
- Heat treated.
- Quick & Easy way to remove broken screws, pipes, Bolts & Studs.
- Removes screw size:
NO.1 1/8"-1/4" (M3-6)
NO.2 1/4"-5/16" (M6-8)
NO.3 5/16"-7/16" (M8-11)
NO.4 7/16"-9/16" (M11-14)
NO.5 9/16"-3/4" (M14-18)
NO.6 3/4"-1" (M18-25)
NO.7 1"-1 1/8" (M25-28)
NO.8 1 1/8"-1 1/4" (M28-32)
NO.9 1 1/4"-1 7/16" (M32-36)
- USD Drill size:
NO.1 7/64"
NO.2 9/64"
NO.3 5/32"
NO.4 1/4"
NO.5 19/64"
NO.6 13/32"
NO.7 17/32"
NO.8 13/16"
NO.9 1 1/16"



AUT-00343S

Magnetic Socket Inserts

- For SAE sockets.
- Magnetic insert holds the fastener firmly in the socket.
- Magnetic insert can be removed from the socket and reinstall in other sockets easily.
- SAE size: 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16" and 7/8".



AUT-00343M

Magnetic Socket Inserts

- For Metric sockets.
- Magnetic insert holds the fastener firmly in the socket.
- Magnetic insert can be removed from the socket and reinstall in other sockets easily.
- Metric size: 8, 10, 11, 12, 13, 14, 15, 16, 17, 18 and 19mm.



Brake, Suspension & Under Car Tools

煞車、車底修護工具



AUT-00345K

Open-End Wrench Set (3PCS)

- Open-end 12PT socket for the operation of screwed connections on injection lines.
- **Contents:** 1/2" DR. 14, 17, 19mm.
- Applicable: On MAN commercial vehicles with D 20 engines Common Rail injection systems.



AUT-00082

Subaru Crank Socket

- Used to align crank to T.D.C. while working with the timing chain.
- Also works on older 3 or 6 cylinder dohc engines

Application:

- 2013-2015 SUBARU-BRZ
- 2012-2015 SUBARU-FORESTER
- 2012-2015 SUBARU-IMPREZA
- 2015-2015 SUBARU-IMPREZA WRX
- 2013-2015 SUBARU-LEGACY
- 2013-2015 SUBARU-OUTBACK
- 2006 SUBARU-OUTBACK, (6-CYL.)
- 2006 SUBARU-TRIBECA B9
- 2013-2015 SUBARU-XV CROSSTREK



AUT-00084K

VAG & Seat Wheel Screw Lock
Socket Set (20PCS)

- Applicable for installing and removing wheel screw locks of most vag and seat models.
- This tool enables you to permit servicing of customer vehicles, even customer has lost the key.

Contents:

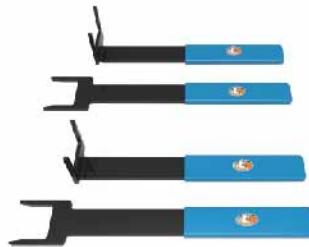
- #541, #542, #543, #544, #545, #546, #547, #548, #549, #550, #551, #552, #553, #554, #555, #556, #557, #558, #559, #560



AUT-00348

International Maxx Force Fuel
Line Release Tools

- International Maxx Force series 11 & 13 engines
- Heat treated fork tine's eliminate tool deflection
- Plastic grip handle for comfort



AUT-00311K

Special Socket Set with Inside Teeth
for Locknuts (9PCS)

- For gentle removing and installing Din 981 KM Locknut
- 1/2" drive, length 60mm
- 3/4" drive, length 68mm



AUT-00140

3/8" DR.Master Drain Plug Key Set (36mm) (21 PCS)

- BMW, LANCIA, RENAULT, CITROEN, MAZDA, SAAB, FIAT, MERCEDES, TOYOTA, FORD, NISSAN, VAUXHALL/OPEL, HONDA, PEUGEOT, VOLKSWAGEN Suitable for sump plugs on engine, gearbox and back axle.

Contents:

- Hex key socket: 8, 9, 10, 12, 10, 13, 14, 17mm
- Square socket: 5/16", 3/8", 7, 8, 10, 11, 12, 13, 14mm
- Torx socket: T45
- Triangular socket: 10mm
- Spline (TAMPER) socket: M16
- Square drive socket: 10mm
- 3/8" drive sliding T-handle
- CR-V steel, Mat Finished





Brake, Suspension & Under Car Tools

煞車、車底修護工具

AUT-00235

Audi Ball Joint Tool

- For repair work of the front lower ball joint used on AUDI A4/A5/A6/A7/Q5



AUT-00253

Benz Fuel Tank Lid Wrench

- Fuel Tank Sender Wrench Tool Fuel Tank Lid Removal For Mercedes Benz W164 W251 22 Points.
- Size : 1/2" drive 22 points
- Application: Mercedes Benz W164 ,W251
- External diameter 190mm, internal diameter 145mm



AUT-00112

Hinge Master Wrench

- Max 42mm • Size: 0-42mm • Length: 600L
- Special Design For The Car Door Hinge Repair.
- Universal Using.



AUT-00238

Hendrickson Prima Ax Quick Alignment Socket Wrench

- Hendrickson - Approved tool.
- Used to torque cross tube end cap bolts and longitudinal torque rod top pad bolts.
- Reduces maintenance time by eliminating the need to remove the tires to gain access to the end cap bolt.



AUT-00210

IVECO HUB Nut Wrench With Guide Edge Hexagon,90mm

- Positive drive of the axle nut.
- Any extensive slipping is avoided.
- Milled out profile.
- Robust execution.
- Can be used with an impact wrench or torque wrench.
- Application range: IVECO - Cargo HA '98
- Dim: 90mm ; Diameter: 118 ; Height: 70mm ; SQ:3/4"



AUT-00209

Pipe Stretcher Kit

- Expands all types of exhaust pipe, including stainless steel, from 1-5/8" to 4-1/4" in size.
- Inexpensive alternative to hydraulic pipe expanders.



Brake, Suspension & Under Car Tools

煞車、車底修護工具



AUT-00270

Vibroshock Impact Tool Set (10 PCS)

- Remove Frozen or Rusted screws, Nuts, Bolts or Plugs Without damage.
- Great for Brakes, Exhaust, Glow Plugs, Clamp-on injectors, rounded or stripped Lug Nuts & more.



Contents	
1PC	72T Flexible Reversible Ratchet Handle
1PC	3/8" Driver Adapter
8PCS	Impact Sockets : 8, 9, 10, 11, 12, 13, 14 mm, 5/16"x 3/8"

AUT-00273

Economic Parts Washer

- Designed to fit most 5 gallon buckets.
- Tapered basin with cord & hose channels allow a snug fit.
- Self-contained 4.5 gallon / minute submersible pump for strong, continuous cleaning power.
- Size : 350 x 345 x 130 mm
- Voltage : 110V / 220V
- Weight : 1.42 kg
- Capacity : 3L



AUT-00301

Exchanger For Absorber Hydraul Ic Fluid

- Capacity : Left & Right x 1L



AUT-00206

Cleaning Set For ABS Sensor (7 PCS)

- Suitable For ABS Sensor Of Mounting Hole Cleaning.
- Use For Mounting Hole Size Is Ø10 mm, Ø14 mm, Ø15 mm And Ø18 mm. (Inside Diameter).

Application:

- 1- Ø10 mm For VW Lupo, Passat, Ts, Audi A2, A4 Form 2001.
- 2- Ø14 mm For BMW E38, Mercedes W124, W140, W202, W203, W210.
- 3- Ø15 mm For Mercedes, Ford, Daewoo.
- 4- Ø18 mm For Aude A4 2001, BMW E36, Mercedes W163, Peugeot Boxer, Renault Clio, VW Golf.

Contents:

- 1PC- 1/4 Dr. Ratchet Wrench.
- 1PC- Ø10 mm Drill.
- 1PC- Ø10 x 150 mm (L) Reamer.
- 1PC- Ø14 x 32 mm (L) Reamer.
- 1PC- Ø15 x 23 mm (L) Reamer.
- 1PC- Ø18 x 23 mm (L) Reamer.
- 1PC- Ø18 x 34 mm (L) Reamer.



AUT-00272

Manual Brake Fluid Bleeder

- Standard with adaptor for European cars.
- 3 Litre capacity
- Optional universal adaptor. (AUT-00272A)
- Size : 170 x 190 x 420 mm
- Weight : 1140g
- Material : PE
- Power: Manual



AUT-00300

12V Pressure Brake Fluid Bleeder (Stainless Steel Cabinet)

- With European & Universal Adaptors
- Suitable for Clutch Bleed as Well as Brake Bleed.
- Size : 365 x 300 x 820 mm
- Capacity : 5L
- Weight : 11.36kg





Brake, Suspension & Under Car Tools

煞車、車底修護工具

AET-00757

Honda Rear Trailing Arm Bush Installer/Remover

- For replacement of the Honda rear trailing arm bush.
- Hook design to mount the tool on trailing arm securely.
- No damage to ABS sensor cable, trailing arm, and parts close to bush during the maintenance.
- Applicable:
Honda CR-V 1996/9 - 2002/8.K6.K8



AUT-00344

Adjustable Ball Joint Separator

- Used for removing many ball joints and tie rod ends.
- Features a rust resistant finish
- A handle for use with hammer
- Adjustable Jaws width: 18 mm to 43 mm



AET-00738

Ford Transit Lower Arm Bush Tool

- For the removal and replacement of the large rear bush on the lower arms of Ford Transits from 2000 - 2013.
- Designed to be used with a 187000V2 press frame and ram.
- On vehicle solution with minimal strip down.
- Can also be used in a workshop press for lower arms when they have been removed from the vehicle
- Application: Ford Transit Mk5 & Mk6 from 2000 to 2013



AUT-00202

SUB-Frame Bush Remover/ Installer-Mercedes-Benz

- Extractor for replacement of the front and rear metallic rear sub-frame mounting bushes.
- Applications:
BENZ W211, W219, W230



AUT-00073

Ford / Volvo Rear Trailing Arm Bush Tool Set

- For Dismounting & Mounting of the Rear Trailing Arm Bush.
- On Car Solution - No Changing Of The Entire Trailing Arm Necessary.



AET-00738

Ford Transit Lower Arm Bush Tool

- Removal and replacement tool for metallic bushes on rear axles.
- Applications:
BMW E38/ E39/ E52/ E53/ E60/ E61/ E63/ E64/ E65/ E66/ E67/ E70



Brake, Suspension & Under Car Tools

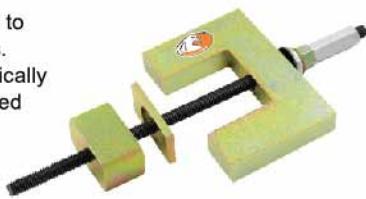
煞車、車底修護工具



AUT-00219

Rear Trailing Arm Bushing Tool Stock RTAB Replacement For E36/E46

- This tool can also be used to remove E36 rear bushings.
- Tool maintenance : periodically clean and lubricate threaded rod with a light-weight oil.



AUT-65081

Drum Brake Lining Hold Tool

- The Tool Is Holding Brake Lining, Don't Need To Remove Brake.
- Lining Before Replacing Brake Cylinder.
- Easy And Save Repair Time To Replace Brake Cylinder.
- Hex.: 17 mm
- Square: 3/8"
- Use Range: 25 - 142 mm



AUT-00309

Brake Disc Remover Kit

- Reduce vibration impact on the wheel bearing, electronic sensors, suspension, ball-joint etc.
- The auto adjusting jaw lets you install the tool easily, quickly, and safely!!
- Attach the nut to the hub to prevent it falling down when it's released!!
- Range: 170 - 400 mm



AUT-00355

Disc Brake Pad Spreader

- Designed to work on criterion and four-piston caliper disc brakes, this tool will abbreviate installation time.
- Disc brake pad installation is much simpler when you're using this spreader.
- Fits between the two new pads being installed, then expands to retract the pistons.
- Proper for use on most ATE, Bendix, Delco, Girling brake calipers.



AUT-00310

Brake Caliper Press

- Works on various single, dual & quad piston calipers.
- Centrally distributes force to prevent misalignment of pistons.
- 360 degree ratchet swing allows access at any angle.
- Extended reversing lever allows for easy change from spreading to retracting.
- Clips between 40mm and 68mm



AUT-00353

Universal Brake Pad Spreader

- Allows installer to easily compress both pistons at once facilitates both single and dual piston applications.
- Apply for Ford F150 & F250 Ford & GM front wheel drive vehicles.





Brake, Suspension & Under Car Tools

煞車、車底修護工具

AUT-00352

Drum Brake Shoe Spreading Tool

- Adapt to 3/8"Dr and 14mm Hex allowing use of a ratchet or spanner.
- Brake shoe spreader range 18mm to 105mm.
- Spreads and hold the brake shoes apart allowing removal of the brake cylinder, etc.
- Eliminates the need to remove the brake shoes or apply the handbrake.
- Eliminates the need to dismantle the brake shoe assembly leaving hands free to work.



AUT-00079 w/o PAD

AUT-00079K w/ 2 PC PAD

Brake Piston Spreader

- This Is Thread Mechanism: Pad Adjustment By Rotating Handle
- Balanced Dividing Power On Both Pads
- Range: 10 - 60 mm/ 20 - 70 mm
- Pad Size: 50 x 70 mm
- Thickness: 5 mm
- Large Pad: 100 x 55 mm



AUT-00079



AUT-00079K
(With Large Pad)

AUT-00079PAD

Brake Piston Spreader PAD

- Size: 100 x 55 x 5 mm



AUT-00368

Brake Caliper Spring Tools

- It's time consuming to take out a corroded spring from the gap in the caliper!!
- The work can be difficult to do using a screwdriver
- Because the caliper has gap to set spring
- The tool helps you to make fitting easier and more efficient
- Available: BMW, Volvo, Lange Rover, Ford, Jaguar



PAT.



AUT-00357K

Tesla Brake Caliper Piston Rewind Tool Kit (4PCS)

- This Tool Set Designed For Tesla Rear Brake Caliper Piston Rewind.
- Supplied With Both Left And Right-Handed Winders Enabling The Return Of The Brake Piston Into The Caliper Delivering Clearance For The New Brake Pads.

Contents:

- 1PC Rotating Caliper With 3/8" Dr. (Right & Left Side Threaded Allow)
- 1PC Backing Pads
- 2PCS Adapters For Brake Assemblage



AUT-00102

Adjustable Brake Caliper Wind Back Tool Set (2 & 3 Pin)

- 1/4" square driver
- 2 in 1 adaptor design
- Left and right hand screw thread



Brake, Suspension & Under Car Tools

煞車、車底修護工具



AET-00643

Universal Brake Caliper Wind Back Tool Set (11 PCS)

- Material: S45C-Aluminum 6061-T6
- Appearance: Manganese phosphate
- Chrome plated - Anode



1. Measure PCD size of the piston with Scale Plate Holder (C)

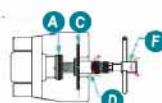


2. Adjust & lock the Pin on the PCD drive (A)
3. Check the Piston type:
 - A Right hand piston
 - B. Left hand piston
 - C. Push type piston
4. Assemble all the necessary parts & set the assembled tool in correct position.

A. Right hand piston

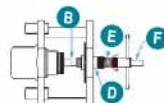


Turn the T-Bar with 8mm hex side of Two End Socket (F) in a clockwise direction. Whenever the PCD drive (A) & Scale Plate Holder (C) are loosen, turn Screw Holder (D) in a counter-clockwise direction until the piston is fully pushed back.



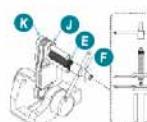
Turn the T-Bar with 8mm hex side of Two End Socket (F) in a clockwise direction. Whenever the PCD drive (A) & Scale Plate Holder (C) are loosen, turn Screw Holder (D) in a counter-clockwise direction until the piston is fully pushed back.

C. Push type piston



Adjust the spindle (B, D) to the correct position (make sure that the screw-thread on Left Hand Screw (E) has enough space to be turned back). Turn the T-Bar with 16mm hex side of Two End Socket (F) in a counter-clockwise direction until the piston is fully pushed back.

D. Disc brake piston spreader



Fits in brake caliper to push back pistons for new brake pads installation.



Contents

1PC	Adjustable Pcd Drive
2PCS	Right & Left Hand Screw
1PC	Scale Plate Holder
1PC	Screw Holder
1PC	Two End Socket (8 mm /16mm)
3PCS	Bar & Adapter & Rod
2PCS	Push Pad A & B

AUT-00248

Brake Caliper Rewind Tool Kit (Adjustable)

- Adjustable Brake Piston Reset Discs Professional reset of the rear axle brake pistons.
- The exact distance of the rotating disc adapts automatically to the bores of the brake piston by turning the basic unit of the disc.
- * Repair almost every car with these two discs! * Time saver.



A: 3 Pins Adjustable Brake Adaptor x1pc

B: 2 Pins Adjustable Brake Adaptor x1pc

C: Pressure Turn Device x1pc

D: RH Press Spindle x1pc

E: LH Press Spindle x1pc

F: Reaction Plant x1pc



AUT-00254

Brake Disc Measuring Tool Set

- Gauge stand with 3-point connection for the assembly of the bumper
- Ideal for identifying of vertical and lateral wobble on the brake disk.
- Transverse arm with joint and fine adjustment
- Includes dial gauge and micrometre for identifying wear limit
- Universal usage
- Simple handling



AUT-00226

Locking Drum Brake Pistons (4 PCS)

- Set of four pliers for locking drum brake pistons.
- Both ends hold pistons in cylinders, making it easier to replace jaws.
- When take off the drum brake can prevent the piston oil return to avoid the piston damage.





Brake, Suspension & Under Car Tools

煞車、車底修護工具

AUT-00262

Toyota Rear Parking Brake Spring Tool

- This application requires a smaller brake spring tool with more reach.
- Special tip is designed to engage the shoe hold down spring cup on Toyota vehicles.
- For 2000 ~ current Toyota Camry, Tacoma, Tundra, FJ Cruiser, 4Runner & Land Cruiser.



AUT-00256

Brake Pad Gauge

- Special Design Allow for Measurement on Vehicle Without the Removal of any Components in Most Case. (Wheel Assembly or Brake Caliper)
- The Brake Pad Gauge for a Definitive Measurement of Brake Pads to Determine Remaining Life.
- Material : Aluminum Alloy.



AUT-00506

Tire Tread Depth & Brake Pad Thickness Gauge

- Used for measuring depth of tire tread & thickness of brake pad.
- Pen type design, easy to grip & carry.



AUT-00223

Brake Cylinder Groove Cleaner

- T shape dicephalous cutterhead is applied for cleaning all kind' sizes and angles of brake cylinder.
- The handle has 120L x 6mm and made from 2" wire wheel, to clear surface dirt.



AUT-00234

Protection Cap Pliers

- For safe and damage-free removal of plastic protection cap from wheel bolt.
- Suitable for VW-Audi,Seat, Skoda, Opel, Vauxhall, etc.



AUT-00185

Emergency Brake Cable Removal Tool

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



Brake, Suspension & Under Car Tools

煞車、車底修護工具



AUT-00212

Adjust Spanner Wrench



AUT-00214

2 & 3 Pin Brake Rewind Fit

- Adaptor 3/8" DR.
- Capacity: 20-35 mm



AUT-00247

Universal Seal Installer

- The arms of the spider keep the seal centered during installation.
- Another benefit to this tool is the spider can be trimmed to fit seals.
- The long handle provides good flexibility when installing the pinion seals.



- A:Long Handle x1pc
B:3.0"(76mm) Driver x1pc
C:2.5"(63mm) Driver x1pc
D:1.7"(45mm) Driver x1pc

Applicable:
1-1/8"(27mm)~2-3/8"(60mm)

AUT-00366K

Brake Bleeder Adapter Set (6PCS)

- Designed for applications on master cylinder reservoirs from 2010 to today
- Adapters with a standard European air plug type, suitable for pressure bleeding tools or machines
- Most adapters have a swivel 90° fitting to tackle limited space problems
- Aluminum-made adapter holds pressure > 3.5 bar / 50 psi



Application:

- Toyota, Lexus (all models)
- Chevrolet, GMC, Ford, Hyundai, Kia, Mazda, Mitsubishi
- Honda, Acura (all models)
- European standard, Ford, and Nissan
- Mazda, Suzuki
- Nissan (Cube, Juke, Leaf, Micra, Maxima, Tiida, Versa)



AUT-00367K

Vacuum Brake Bleeder Kit (19PCS)

- Checks all vacuum-operated sensors and components on vehicles
- Bleeds brake fluid easily and cleanly
- 90° Tapered adaptors fit wheel cylinder / caliper and master cylinder applications
- Safely transfers fluids
- Regulated vacuum relief valve
- Works on most vehicles
- Vacuum Gauge: 0 - 76cmHg (0 - 30inHg)
- Container Capacity: 120ml (4oz)
- Body Material: Aluminum Alloy Die Casting
- Body Color: Red, Blow Case Color: Blue



Contents:

- 1PC Vacuum Pump (gauge scale in centimeters and inches of mercury)
- 1PC Fluid Container with Transfer Cap
- 1PC 70mm Container Hose
- 1PC 100mm PVC Vacuum Hose
- 2PCS 500mm PVC Vacuum Hoses
- 13PCS Assorted Vacuum Hose Fittings
- 3PCS Brake Bleeder Fittings





Brake, Suspension & Under Car Tools

煞車、車底修護工具

AUT-00363

Brake Bleeder Valve

- Design for general personal needs, it is easy to operate/ inspect the brake bleeder valve by one man
- The instrument install in the leaky hole of the brake wheel cylinder
- After complete the install, then the purpose is to separate the air in the brake oil
- Easy to install / Storage
- Apply to various vehicles



AUT-00222S-10

10" Gear Jaw Crow Bar

- Smart Pry Bar.
- Multi-angle adjustable according your needed.
- All parts made of chrome-vanadium alloy steel & by hot forged.
- The jaw not made from lost wax casting, so increase higher moment for job.
- Material: Chrome-Vanadium
- Grip: Two Tone PVC
- Sanding & Plating finish
- Moment: 20kgf.m
- Weight: 330g



AUT-00222B-10

10" Gear Jaw Crow Bar

- Smart Pry Bar.
- Multi-angle adjustable according your needed.
- All parts made of chrome-vanadium alloy steel & by hot forged.
- The jaw not made from lost wax casting, so increase higher moment for job.
- Material: Chrome-Vanadium
- Grip: Two Tone PVC • Black Oxide finish
- Moment: 20kgf.m • Weight: 330g



AUT-00349

Automotive U-Joint Puller

- Can Easily Removes Seized U-Joint Cups on Intermediate Trucks, Buses and Light Industrial/Farm Equipment Safely Disassemble Drivelines without Hammering or Heating Components.
- Can Be Used with 1/2" Drive Impact Wrench or Smaller
- Doesn't Damage the Driveshaft, Yokes, Joints or Bearing Cups
- Bearing Cup Outside Diameter: 1.0" to 1.25"



AUT-00350

Intermediate U-Joint Puller

- Can Easily Removes Seized U-Joint Cups on Intermediate Trucks, Buses and Light Industrial/Farm Equipment Safely Disassemble Drivelines without Hammering or Heating Components.
- Can Be Used with 1/2" Drive Impact Wrench or Smaller
- Doesn't Damage the Driveshaft, Yokes, Joints or Bearing Cups
- Bearing Cup Outside Diameter: 1.25" to 1.7"



AUT-00351

Heavy Duty U-Joint Puller

- Easily Removes Seized U-Joint Cups on most Class 7 and 8 Trucks
- Safely Disassemble Drivelines without Hammering or Heating Components
- Can Be Used with 1" Drive Impact Wrench or Smaller
- Doesn't Damage the Driveshaft, Yokes, Joints or Bearing Cups
- Bearing Cup Outside Diameter: 1.5" to 2.2"



Brake, Suspension & Under Car Tools

煞車、車底修護工具



AUT-00356

1/2 DR. GM Water Pump Socket

- Specially designed for use on 1993 - current Northstar 4.6 liter, 1997 - current Aurora 4.0 Liter.
- Angled teeth avoid the tool from gliding.
- Removes & Installs the Water Pump Assembly.
- Size: 1/2" Drive



AUT-00087K

Hydraulic HGV Ball Joint Separator

- Special design 2-stage operation suits most cars and light trucks ball joints in steering & suspension.
- Tempered drop forged steel body and offset lever provide an excellent performance and long usage.
- Offset lever permits maximum jaw openings in 30mm (1-3/16) & 56mm (2-3/16).
- Jaw open: 22mm
- Patented Hydraulic ram provides max. 1.5 tons.



AUT-00255

Volvo Ball Joint Press Tool

- Special designed for the lower control arm ball joint M mounting and D dismounting.
- For cars with aluminium control arms and steel wishbones alike.
- Suitable for : Volvo S60(2000-2009), S80(1998-2006), V70 / XC70 (1999-2007), XC90(2002-2014)



AUT-00239-21

Vibro Power Exhaust Slitting Chisel

- Impact exhaust slitting chisel.
- Cancel separator de aire comprimido para tubos de escape.



AUT-00239-48

Clamping Screw Ejector

- Extra long shaft with center ball on tip.
- After separating the hexagon screw head, the clamp bolt is driven out of the axle housing. The high impact rate combined with powerful impacts breaks up corrosion and allows rust remover to enter.
- Ø 6.5mmX110LX178mmL .
- AUDI / VW aluminium twin steering knuckles.



AUT-00184

Special Air Hammer Chisel Set (5 PCS)

Contains :

- 1PC - Point chisel
- 1PC - Sheet metal trimmer chisel
- 1PC - Single cut panel cutter chisel
- 1PC - Spot weld breaker chisel
- 1PC - Flat chisel



AUT-00179

XL Air Hammer Drift Set

- 7 in.long parallel shaft design won't get stuck in deep holes.
- Set includes the six most commonly used sizes.
- Offers the extra driving force of an air hammer where needed.



Contents:

- 5.2, 6.5, 6.9 , 7.7, 9.3, 12.7 mm

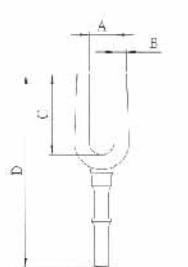


Brake, Suspension & Under Car Tools

煞車、車底修護工具

AUT-00220

Impact Ball Joint Separator Set (5 PCS)



ITEM NO	A		B	C	D	
	Inch	mm	Inch	Inch	Inch	mm
AUT-00220-A	1.65	42	0.22	3.00	9.5	240
AUT-00220-B	1.38	35	0.34	2.95	9.5	240
AUT-00220-C	1.18	30	0.38	2.73	9.5	240
AUT-00220-D	0.95	24	0.40	3.10	9.5	240
AUT-00220-E	0.79	20	0.40	2.75	9.5	240

AUT-00276A

Special Vibro Chisel Set (15PCS)



Contents	
1PC	Large Concave Hammer (63 mm)
1PC	7" Impact Ball Joint Separator (24 mm)
1PC	7" Impact Ball Joint Separator (20 mm)
1PC	Impact Exhaust Slitting Chisel
1PC	Cancel Separator De Aire Comprimido Para Tubos De Escape
1PC	Flat Chisel (20mm)
1PC	Point Chisel
1PC	Large Flat Hammer (74 mm)
1PC	Medium Flat Hammer(38 mm)
1PC	1/2" DR. Adaptor Hammer
1PC	Hammer (25 mm)
1PC	Track Rod Hammer
1PC	Diameter Body Smoother Hammer (38.5mm)
1PC	Pneumatic Plug insertion needle (Φ4 mm x 152 mmL)
1PC	Copper Hammer (Φ29 mm)
1PC	Polyoxymethylene Hammer
1PC	Aluminum Hammer

AUT-00277

Special Vibro Chisel Set (9 PCS)



Contents	
1PC	Point Chisel
1PC	Flat Chisel (20mm)
1PC	Large Concave Hammer (63 mm)
1PC	Diameter Body Smoother Hammer (38.5mm)
1PC	1/2" DR. Adaptor Hammer
1PC	Track Rod Hammer
1PC	Hammer (25 mm)
1PC	Large Flat Hammer(74 mm)
1PC	Medium Flat Hammer (38 mm)

AUT-00181

Impact Air Hammer Set With High Performance- For Trucks (10 PCS)

- To remove & install brake pad.
- Available riveter punch sizes:
3/32", 1/8", 5/32", 3/16", 1/4"



Contents	
1PC	Air Needle Scaler
1PC	3/32" Rivet Punch
1PC	1/8" Rivet Punch
1PC	5/32" Rivet Punch
1PC	3/16" Rivet Punch
1PC	1/4" Rivet Punch
1PC	Flat Chisel
1PC	25mm Diameter body smoother hammer
1PC	Safety chuck.
1PC	Mini Air Hammer.

Brake, Suspension & Under Car Tools

煞車、車底修護工具



AUT-00331

Adjustable Tray Creeper Seat

- An ideal accessory for any garage, workshop or auto detailing shop
- Rugged steel construction with padded cushion seat for durability and conformability
- Durable and comfortable large thick round seat (11.8") x 2-1/2"
- 17" to 21" Pneumatic gas lift seat height adjustment
- Hydraulic rise / fall tool tray can rotate 360 degrees
- Material: Steel
- Surface: Painting
- Weight Capacity: 350lb (159kg)
- Dimensions: L 15" x W 15" x H 21-1/4"
- 5PCS 3-inch heavy duty construction wheels



AUT-00334

3-in-1 Creeper Seat

- Adjustable creeper seat in two settings
- 3-position adjustable tool tray on back
- Easy to transform
- Secure locks to promote safety
- Durable and comfortable large seat
- Material: Steel
- Surface: Painting
- Weight Capacity: 330lb (150kg)
- Dimensions:
 - High: L 13-4/5" x W 14-1/2" x H 16-1/2" H, (16-1/2" seat height)
 - Low: L 19-1/5" x W 14-1/2" x H 16" H, (5-4/5" seat height)
- 5PCS 2.5-inch heavy duty construction wheels



AUT-00333

4-in-1 Creeper Seat

- Multi-Function Flat creeper, Shop seat, Tool tray
- Quickly & easily converts from creeper to shop seat
- 6PCS 3-inch heavy duty swivel castors for easy maneuverability
- 1" tubular iron construction
- Durable and comfortable large seat
- Material: Steel
- Surface: Painting
- Weight Capacity: 450lb (200kg)
- Dimensions:
 - 43-1/4" L x 16" W x 6" H (1100mm L x 406mm W x 155mm H)
- 6PCS 3-inch heavy duty construction wheels



AUT-00338

Heavy Duty Tool Trolley

- An ideal accessory for any garage, workshop or auto detailing shop
- Two castors have a manual side brake to lock the stool in place
- 1" tubular iron construction
- Two heavy-duty sliding drawers
- Front dimensions:
 - L 432 x W 241 x H 101mm
 - Side dimensions:
 - L 250 x W 340 x H 56mm
- Build-in tool tray on top of the front drawer
- Cup holder can be mounted to either side
- Material: Steel
- Surface: Plating
- Weight Capacity: 500lb (227kg)
- Dimensions: L 620 x W 420 x H 420mm
- 4PCS 3-inch heavy duty construction wheels



AUT-00337

Heavy Duty Tool Trolley

- An ideal accessory for any garage, workshop or auto detailing shop
- 3-position adjustable tool tray on both sides
- 1" tubular iron construction
- Slotted tool hanger on the back
- Sliding tool tray
- Inner dimensions:
 - L 225 x W 260 x H 25mm
- Durable and comfortable cushion
- Inner dimensions:
 - L 360 x W 290 x H 60mm
- Bottom drawer
- Inner dimensions:
 - L 235 x W 260 x H 100mm
- Material: Steel
- Surface: Painting
- Weight Capacity: 350lb (159kg)
- Dimensions: L 760 x W 280 x H 400mm
- 4PCS 2.5-inch heavy duty construction wheels



AUT-00065

High Roller Tool Cart

- Size:L 56 x W 35 x H 33 (cm)





Brake, Suspension & Under Car Tools

煞車、車底修護工具

AUT-00066

Adjustable Tool Stool

- Size:L 53.5 x W 42.3 x H 44~55 (cm)



AUT-00072

Kneel Pad

- Size: 450 x 210 x 30 mm
- Material :
3D Carbon Pad +3 Layers EVA
- 3D Carbon Texture is 100 Times Durable Than Plain EVA

※ This kneel pad do't contain LED pens light

- Led Pen Light • Lighting Front



AUT-00070_3D/ AUT-00070_XPE/ AUT-00070_EVA

Folding Creeper

- Size: 1060 x 480 x 12mm
- Compact Folding Size :480 x 265 x 48 mm
- Super Low Profile Two Axile Solid Linrage Soft Pad
- Racing Strip Design Low Sliding Resistance Texture

AUT-00070_3D :

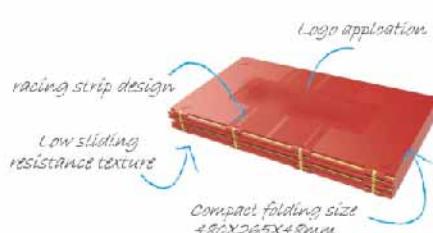
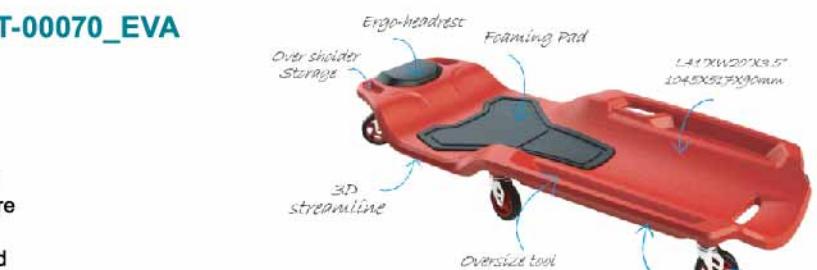
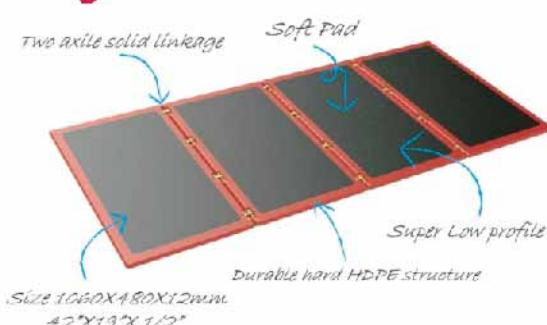
- Material: Durable HDPE Structure + 3D Carbon Pad

AUT-00070_EVA :

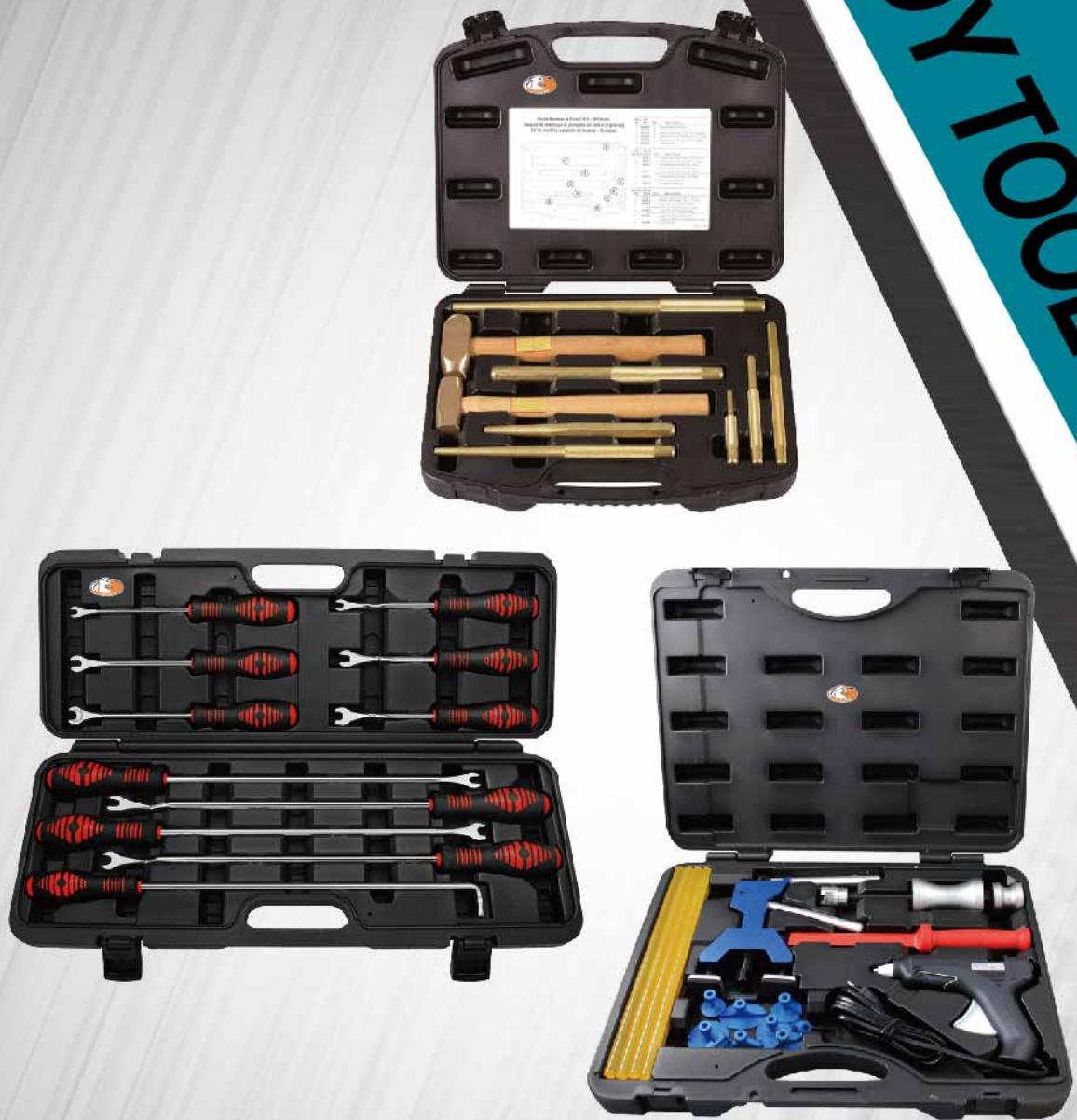
- Material: Durable HDPE Structure + Pinecone Texture

AUT-00070_XPE :

- Material: Durable HDPE Structure + XPE Pad



BODY TOOLS



Body Tools

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Body Tools

钣金工具

ABT-00156K

Windscreen Installation Tool Set

Contents:

- 2PCS eyes (10.5 & 17mm)
- 1PC roller
- 2PCS lippling tools
- 1PC allen key for locking screw which hold eyes in place



ABT-00155K

Seam Splitter Set (3PCS)

- Ideal for separating spot-welded panels during repairs.
- Chrome Molybdenum go-through shafts allow use with hammers.
- Soft grip handles for comfort and control.
- Includes straight, 15° offset and 90° angle splitters.
- Surface Finish: Sandblasting Chrome plated



ABT-00160

2 In 1 Molding Strip Tool

- The plastic structure won't mark or scrape vehicle finish.
- The wedge angle makes it easy to segregate the double sided tape from the door and the vehicle body.
- The high impact POM structure allows use with a mallet on rigid applications.
- Pointy border allows the technician to easily get under door emblems and moldings.
- Can be used to replace manual handle and air gun handle.



ABT-00123

Body Trim Tool Set (11 PCS)

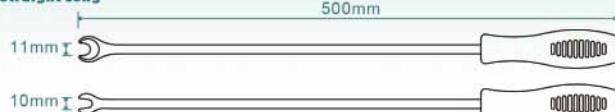
- Remove Plastic Fasteners that Secure the Door Panel / Trim Piece Without Damage.
- Place the Tool Under the Edge of the Door Panel / Trim Piece, & Insert into Fastener as far as Possible then Simply Pry Up.
- Distinct Pivot Point is Designed for Appropriate Leverage & to Discourage Twisting That May Damage Panel or Trim Piece.



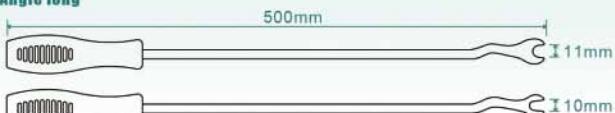
Movable Support



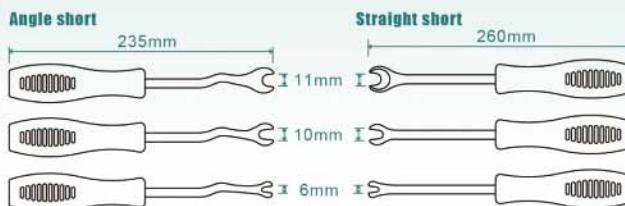
Straight Long



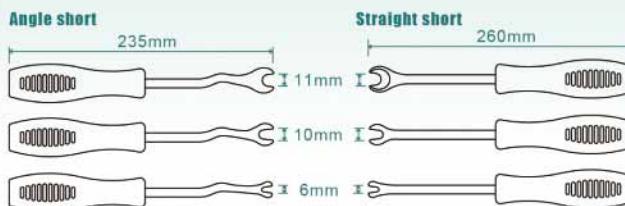
Angle long



Angle short



Straight short



Contents

1PC	Movable Support 490mmL
2PCS	Straight Long 500mmL : 10 ,11 mm
2PCS	Angle Long 500mmL : 10 ,11 mm
3PCS	Angle Short 235mmL : 6 , 10 ,11 mm
3PCS	Straight Short 260mmL : 6 , 10 ,11 mm



Body Tools

钣金工具

ABT-00136

Door Handle Removal and Installation Tool (VAG)

- Used for removal and installation of the exterior door handle.
- Suitable for Arteon 2017 >, Atlas 2017 >, Caddy 2016 >, Golf Sportsvan 2015 >, Passat 2015 >, Tiguan 2016 >, Touran 2016.
- Audi: Q2 2016.



ABT-00096

European Door Hinge/Handle Kit

- Finally, a compact solution to accessing the special fasteners found on the door hinges & door handles of VW/Audi, Mercedes-Benz and Porsche.
- Includes 4 door hinge bits (less than 1 inch long) with slender ratcheting wrench and extra long drivers for accessing Mercedes and VW door handle fasteners.
- Ratchet
- T-20 T-Handle Driver • T-30 Torx Screwdriver
- T40 Bit • T45 Bit • 4mm 12 Point Bit
- 8mm 12 Point Bit • 10mm 12 Point Bit



ABT-00063

Door Hinge Remover & Installer

- M10 x T45 x 300 mm
- Suitable For Door Hinge Bolts E.G. Audi 97- Onwards; Renault Safrane/Laguna; SeatArosa/Cordoba/Lbiza; VW Golf III/Golf IV/ Passat 97-Onwards/ Polo/Vento; Skoda etc.



ABT-00064

Slide-Hammer Straightener

- Chrome finish
- Length: 715 mm



ABT-00072

Soft Tip Air Hammer Set

- Non sparking
- Non marring for sensitive surfaces
- Replaceable hammer heads
- Lifetime warranty on body
- For aluminum body cars
- 0.401" shank tools



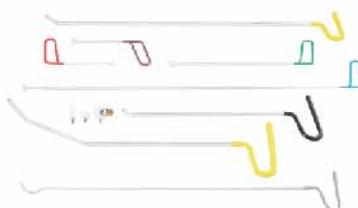
Contents

1PC	A: Polished Steel Hammer
1PC	B: Copper Alloy Hammer
1PC	C: Plastic Hammer
1PC	D: Aluminum Hammer

ABT-158E

Paintless Dent Removal (PDR) Tools (8PCS)

- For the removal of dents in a car's body without damaging the finish.
- Ideal for removing small dents & damage caused by hail.



Contents

1PC	Angled Ball-Headed Bar	980 mm
1PC	Pointed Bar	590 mm
1PC	Angled Ball-Headed Bar	505 mm
1PC	Half-Round Pointed Bar	980 mm
1PC	Round Bar	460 mm
1PC	Special-Type Hooked Bar	665 mm
1PC	Half-Round Bar	245 mm
1PC	Half-Round Bar (Attached With 3PCS Plastic Head)	235 mm



Body Tools

钣金工具

ABT-00094A/ ABT-00094B

Hole Cutting Tool For PDC Sensor
(Park Distance Control)

- This tool is essential to cut out the holes in the bumper for aftermarket installation of parking sensors.
- It is designed to make a hole that fits the sensor perfectly, without any unwanted damage.
- ABT-00094A: 17 mm
For Cobra-Aftermarket Type.
- ABT-00094B: 18.2 mm
For VW, Audi, Skoda, Seat, BMW
- OEM Ref. BEA000001



ABT-00094A

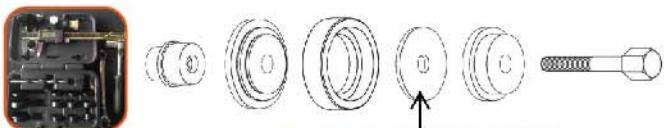


ABT-00094B

ABT-00103

Tool Set for Parking Sensor & Reversing Record Lens

- Hole Size :
17, 18, 18.2, 19, 20, 22.5, 24,
26, 26.7, 32 mm
- Cut hole Thickness : <5 mm



Easy to take out the gaskets!!

ABT-00112

Dimple Die Pieces Set (9 PCS)

- Dimple dies are capable of dimpling 4.8mm steel.
- Have press nut allow sheet can be dimpling on hydraulic press.
- With bolt only can be dimpling 3mm steel.
- This complete set of dimple dies includes all of the most popular sizes.
- Give sheet metal more strength & removes weight.
- Size: Ø12.7 mm (1/2"), Ø19.1 mm (3/4"), Ø25.4 mm (1"), Ø31.8 mm (1-1/4"), Ø38.1 mm (1-1/2"), Ø44.5 mm (1-3/4"), Ø50.8 mm (2"), Ø57.2 mm (2-1/2"), Ø76.2 mm (3")



ABT-00125

Sensor Drilling Tool

- Universal Ratcheting Punch perfect holes into bumpers - without big effort.
Pat. Pending
- Material: Cr-V Steel
- The Press-it hole puncher set is designed for punching holes into bumpers to mount parking sensors.
- The size of the holes are different from vehicle to vehicle. Previously the holes were drilled by stepped drill bits.
- The problem is, that the bumper is unusable if the hole is too deep.
- Advantages of the set :
With the different cutters you can switch between hole sizes.
- Thus the holes have the optimal diameter to set the parking sensors.
- Another advantage of the Press-it System is that pressing in the holes is taken place after the painting.
- The varnish is moved in at the edges & as a result there are no sharp edges.
- Because the sensitivity of the sensors, they have to be fixed in millimeter precision to guarantee a proper function.
- By using the mandrels, which are also included in the Press-It set, the sensors are getting assembled in a very precise way.
- The different mandrels depending on the size of the cutters.



Benefits:

- Easy & professional punching of holes, according to the requirements of most automobile manufacturer

• With the right cutter a custom-fit hole is punched into the bumper Suitable for;

Punch & Mandrel 18,2 : Supplies usual models from :

BMW, Volkswagen

Punch & Mandrel 24,0 : Supplies usual models from : Opel

Punch & Mandrel 26,0 : Supplies usual models from : Volkswagen

Punch & Mandrel 32,0 : Supplies usual models from : BMW



Body Tools

钣金工具

Features For ABT-00163, ABT-00164, ABT-00165

- These hammers can help technicians avoid metal cross contamination on aluminum bodied vehicles
- Lightweight and more forgiving than steel hammers
- Handles are made of a genuine hickory providing a solid base reducing breakage
- Hammers are marked with a red dot to indicate they are for use on aluminum only

ABT-00163

Aluminum Pick & Finishing Hammer

- Round face: Ø40mm



ABT-00164

Aluminum Curved Peen & Finishing Hammer

- Round face: Ø40mm



ABT-00165

Aluminum Standard Bumping Hammer

- Round face: Ø40mm
- Square face: 38mm



ABT-00053H

Blending Hammer And Tap Down Tool Set (Aluminium)

- Aluminium Blending Hammer With 300mm (12") Shaft.
- Aluminium Tap Down Tool (Adjustable In Length) : 70mm (2-3/4")-100mm (3-15/16")
- 4 Changeable Tips With 5/16" Threads.
- Tips Conveniently Store In the Comfortable Handle.



ABT-00159K

Brass Punch Set (9PCS)

- Brass-head hammer and punches are ideal to use where sparks from ferrous metals would be hazardous, or where precision metal parts could be damaged by steel tools

Contents:

- 2PCS hammers: head weight 24 and 12 oz.
- 2PCS tapered punches: 14" x 5/8", 10" x 5/8"
- 1PC hex tapered punch: 8" x 5/8"
- 2PCS drift punches: 10" x 3/4", 8" x 1/2"
- 2PCS pin punches: 6" x 3/8", 4" x 1/4"



ABT-07D

Auto Body Repair Set (7 PCS)

Contents:

- 1PC Pick & Finishing Hammer
- 1PC Straight Pein & Finishing Hammer
- 1PC Shrinking Hammer
- 1PC Curved Dolly
- 1PC Heel Dolly
- 1PC Utility Dolly
- 1PC Double End Hand Dolly





Body Tools

钣金工具

ABT-00114

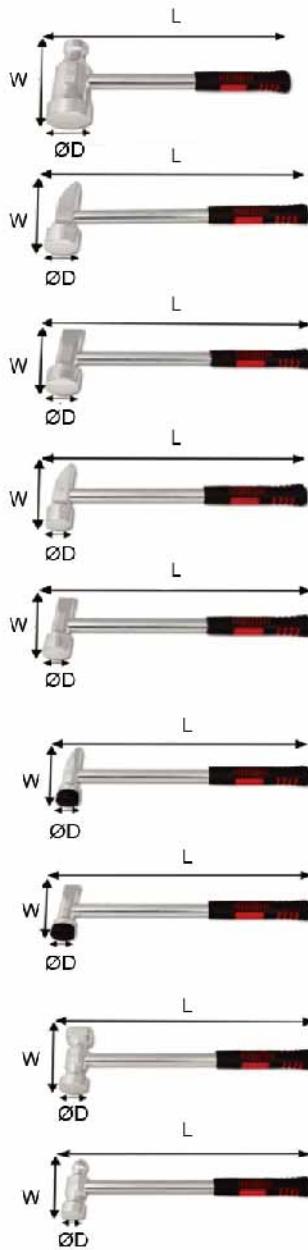
Aluminum Hammer Set (9 PCS)

- The aluminum hammer can help technicians avoid unlike metal cross contamination on heavier steel hammers, users are less likely to damage aluminum body panels.



Contents

1PC	Aluminum Finishing Hammer
6PCS	Aluminum Straight Peen and Finishing Hammer
1PC	Aluminum Ball Tip and Finishing Hammer
1PC	Aluminum Light Bumping Hammer



L(mm)	345
W(mm)	160
ØD(mm)	59.5
W(g)	1140

L(mm)	350
W(mm)	130
ØD(mm)	43.5
W(g)	580

L(mm)	350
W(mm)	130
ØD(mm)	43.5
W(g)	560

L(mm)	345
W(mm)	115
ØD(mm)	33.5
W(g)	460

L(mm)	345
W(mm)	115
ØD(mm)	33.5
W(g)	450

L(mm)	345
W(mm)	105
ØD(mm)	31.5
W(g)	420

L(mm)	345
W(mm)	105
ØD(mm)	31.5
W(g)	410

L(mm)	350
W(mm)	115
ØD(mm)	38
W(g)	530

L(mm)	350
W(mm)	115
ØD(mm)	32
W(g)	450

ABT-00157

Hood Prop

- For all kinds of cars and trucks.
- The stepless, extendable design allows the mechanic to hold the hood in any preferred position.
- Also good for repairing on hatchbacks, doors or trunk lids.
- This hood prop can be extended from 18-1/2" to 46-1/2".



ABT-5037

Chipping Hammer Tool Set



ABT-5051

Special Chisel Hammer Bar Pat



ABT-00070

Special Vibro Chisel Set (7 PCS)



Contents

1PC	Adaptor Shaft Hammer.
1PC	Ø29mm Track Rod Hammer.
1PC	Ø29mm Copper Hammer.
1PC	Ø29mm Aluminium Hammer.
1PC	Ø29mm Polyoxymethylene(POM) Hammer.
1PC	Ø38mm Medium Flat Hammer.
10PCS	Spare O-Rings.

Body Tools

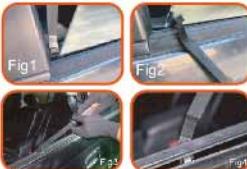
钣金工具



ABT-00120

Window Belt Molding Removal Tool

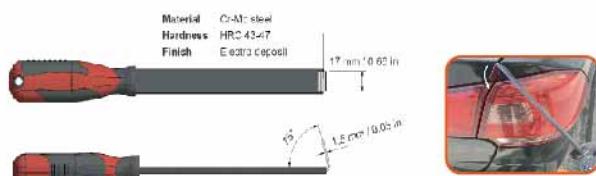
- Slim body helps access to tight spaces (Fig. 1)
- Head with a special angle allows tool insert into belt moldings easily.
- Sloping edge on head grips inner linings firmly & helps pry on moldings.
- Rubber covered body prevents scratches on door paints or windows (Fig. 2) .
- Durable tool body does not break easily.
- Works on belt moldings with & without clips.
- Large handle provides comfortable grip.



ABT-00043-B

Light Cover Remover

- Removes light covers without creating damage on the cover.
- Head with a special angle helps remove light covers easily.
- Rubber covered body prevents scratches on body paints.
- Large handle provides comfortable grip.



1. Slide the head part of the tool into the gap on the light cover (as the arrow suggests in Fig. 1).
2. Slightly pry the light cover.
3. Repeat the previous two steps on several locations on the light cover.

ABT-00161A

Straight Sheet Metal Hand Tong

- Straight pattern clinching pliers are useful for all roofing sheet metal applications
- Insertion depth of 2.5", useful for architectural seam heights
- Drop forged steel construction
- Dipped coating handle for comfortable grip
- Jaw width: 60mm
- Overall length: 285mm



ABT-00161B

45° Seaming Pliers - Lap Joint

- The standard European hand tong for metal bending
- More leverage than a straight pair of tongs
- Drop forged steel construction
- Dipped coating handle for comfortable grip
- Jaw width: 60mm
- Overall length: 285mm



ABT-00161C

90° Seaming Pliers - Lap Joint

- 90° is useful for hard to reach bends
- For folding of sheet metal
- Drop forged steel construction
- Dipped coating handle for comfortable grip
- Jaw width: 60mm
- Overall length: 285mm





Body Tools

钣金工具

ABT-00084

30° Clip Removal Pliers

- Remover all type of clip.
- The front of the tool are angle and tapered fit easily under a clip.



ABT-00085

80° Clip Removal Pliers

- Remover all type of clip.
- The front of the tool are angle and tapered fit easily under a clip.



ABT-00088

Hog Ring Pliers

- For installing upholstery hog rings on car seats (various makes).



ABT-00097

Push Pin Pliers

- 30 degree offset
- 80 degree offset Positive Lift Action Clip Remover Pliers
- Allows easy access and removal of those hard to reach clips on bumper covers, fender liners etc.
- Features positive lift action without damage to the clip or the surrounding area.
- Simply insert the jaws under the clip and squeeze the pliers to remove the clip.
- Length: 9-1/2"(240mm)



ABT-00083

Clip Remove Plier

- Design to remove & broken rivets (plastic), use in under care or door pannet.
- Can adjusting the angle from 0° - 90°
- Quick release design.



ABT-00126

Plug Weld Plier

- Copper alloy backing plate prevents burn through.



Do you burn through thin panels?



Weld dose not stick to copper alloy backing plate.





Body Tools

钣金工具

ABT-00108

Removal Tool Set (4 PCS)

- Required to remove the high-level brake-light from the tail-gate.
- All four retaining clips must be held open using the 4 piece Removal tool set.
- Failure to use these tools will result in damage to the mounting bracket & the brake-light.
- Suitable for Mercedes E-Class (W210) Estate Car.



ABT-00109

Door Panel Remover Lever

- To loosen the attachment plug on door trims
- VW Sharan , Touareg, Touran , the Phaeton
- SEAT Alhambra / FORD Galaxy



ABT-00093

Windscreen Removal Tool Set

- This Set Consists Of The Following:
 - A. Braided Wire (3 Strand) .
 - B. Wire Gripping Handles x 2.
 - C. Windscreen Removal Tool-Cuts The Adhesive Around The Screen.
 - D. Wire Feeder Tool-Designed For Easy And Flexible Insertion Of Wire Through Polyurethane, Allowing Speedy Removal Of Bonded Windscreen.
 - E. Trim Pad Remover.
 - F. Cold Knife Blade x 2.



ABT-00075

Door Dressing Tools (6 PCS)

- Door Dressing Tools system is an European wide bending or crimping system.
- With pneumatic air pressure door skins, wheel arches etc.
- Can be crimped or bent in minutes.
- The system contains a special pneumatic hammer, 4 different pillows for different metal or aluminum thicknesses & one adapter.
- Special pillow sizes are available on demand.



RS-50 5"

RS-90 9"

PVC Sanding Block

- Color : Orange



ABT-00124

Window Seal Puller (4 PCS)

- Material: PE HD
- Size: 300 x 455 mm
L : 273 x 200 mm
- This set of protection elements enables to protect the dashboard during the cutting of the windshield joint by successive moves.
- Uses : Automotive industry repair service



Contents

1PC	Small Size Straight Protection Part
1PC	Small Size Curved Protection Part
1PC	Big Size Straight Protection Part
1PC	Big Size Curved Protection Part



Body Tools

钣金工具

ABT-00078G

Multi Function Auto Body Repair Kit



- Wipe Damaged Area With Clean Soft Cloth To Remove Dirt And Grime.
- Choose Adapter And Apply Sufficient Glue With Glue Gun.
- Apply Adapter With Glue To Damaged Area.
- For Small Damaged Areas Start At Outer Edges And Continue Towards Center And Opposite Edges.
- For Larger Areas Apply To Outer Edges First. Allow 3 to 5 Minutes To Dry. Pouring Cold Water To Glue Will Speed Drying Process.
- Insert Pulling Bar To Adapter And Screw In Tightly.
- Slide Hammer Close To Adapter.
- Quickly Slide Hammer Against Handle Bar.
- Repeat If Necessary.
- If Adapter Separates Apply A Small Amount Of Glue To Adapter And Re-Apply To Damaged Area.
- Use Supplied Scraper To Remove Glue From Damaged Area And Adapter.

ABT-00054

Mini Dent Puller Set
(21 PCS)

- Material: S45C Steel



Contents

8PCS	Hot Melt Adhesive (Size : 1/2 x 25 cm)
1PC	Sliding Hammer
1PC	22 mm Scraper
1PC	Mini Dent Puller
1PC	Glow Gun
9PCS	Sticks

ABT-00119

Deluxe Ding Massager Set



1. Clean the dent area & select the appropriate dent connector pad.
2. The connector pad should match the size of dent area.
3. Plug the glue gun, Be caution the tip of glue gun temperature can reach approximately 165 - 200 degrees.
4. Place a large drop of glue on the connector pad.
5. Apply the glue on the surface evenly & quickly press on the dent area.
6. Don't press to hard so the glue will form a thick layer between the dent area & connector pad.
7. When the glue & connector pad is set , slide the t-bar hammer slowly & steadily until the dented area restored.
8. Apply the cleaning polymer to soften & remove the glue layer that remains on the surface.
9. Apply the razor plastic tool to clean the glue.
10. Clean the restored area & polish the area.

For Mini Puller:

- For small spot dent area you may apply the mini dent puller for better performance.

Step :

1. Apply the glue on the surface evenly & quickly press on the dent area.
2. Apply the mini dent puller on the connector pad.
3. Adjust the height of central pulling bar.
4. Apply the pulling tool until the dent area restored. Apply the cleaning polymer to soften & remove the glue layer that remains on the surface.

ABT-169B

Manual Mini Dent Puller





Body Tools

钣金工具

ABT-00052

Window Belt Molding Remover

- Quickly removes all window belt moldings. Slide the powder-coated tool downward between the window exterior and the door.
- The channel side of the tool should face the door.
- When the tool channel is below the belt molding, push or pull the tool upward.
- The tool quickly removes the belt molding without damage to the window or the molding



ABT-495E

Utility Wedge Set (4 PCS)

- Used to remove various trim parts on the vehicle without damaging the parts.



ABT-00105

Plastic Without Damaging Paint Tools

- The tools offers a broad line of composite-plastic hand tools for prying & scraping.
- The material is much more durable than the cheap plastic of disposable paint scrapers.
- The tools are designed to avoid damaging sensitive surfaces, unlike metal tools which are more abrasive.
- Use a composite pry bars to pull away automotive trim without damaging the paint job.
- Use a scraper to remove gasket material from an engine head without nicking the metal.
- The flat-bladed paint scrapers feature rounded corners, perfect for wallpaper removal without tearing the soft, chemically soaked paper face of the drywall.
- The composite tools offer endless applications when you need to avoid marking up or harming a work piece.



ABT-00122

Windshield Wiper Angle Inspection Tool

- Fixed the tool in front of the wiper arm & use a wrench to adjust the desired Angle .
- Designed for inspect the Angle between the windshield wiper arm & the windshield.
- Range : $\pm 15^\circ$
- Use Range : 20 x 40 mm
Adaptor : 28 x 40 mm
- VM Number : 3358A



ABT-00106

Panel Gap Controller (2 PCS)

- For fitting work of vehicle body parts :
- 1. Allows the gap to be set from 1mm to 10mm (original dimension can be determined in advance).
- 2. Can be adjusted to all possible positions.
- 3. Not only controls the gap but also acts like a bumper during fitting work.
- 4. No damage or scratching.



ABT-00079

Body / Interior Tool Set (VAG Group)

Trim Removal Wedge

- Used to remove various trim parts on the vehicle without damaging the parts.
- OEM Ref. VW 3409 Utility Wedge
- For body work such as removing and installing trim strips, door trims, door clips, etc.
- Door Handle Removal Tool
- For VW Golf (VI), Fox, Tiguan, Passat B6 (3C) / Audi Q7, etc.
- OEM Ref. T10389 Puller Hook
- Removal of e.g. the additional light, interior lining, interior lighting shade, etc. Also for removal of the front grille (VW Transporter 1991>).
- OEM Ref. VW 3370





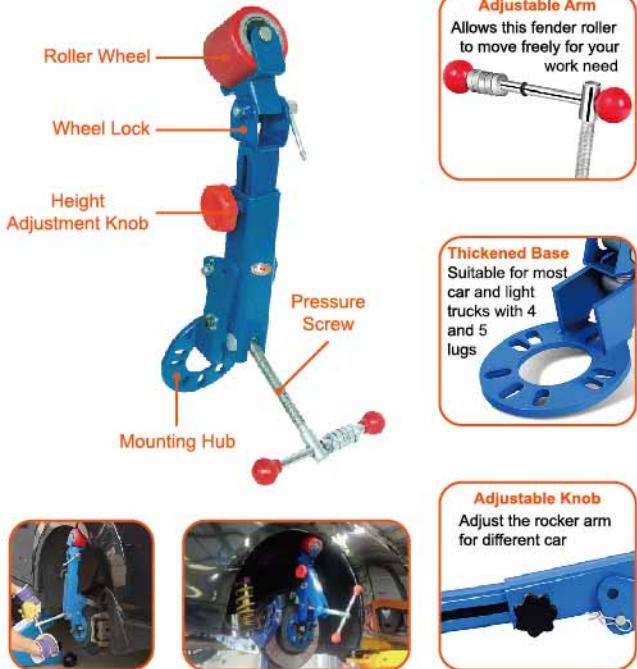
Body Tools

钣金工具

ABT-00162

Heavy Duty Wheel Arch Roller Flaring Former

- Increase the clearance between the tire and the fender to fit larger tires
- Useful for repairing the dent or damage of the fender
- Equipped with adjustable arm allows this fender roller for 180 degrees wheel swivel
- Attached hitch pin allows for wide or narrow angle
- Universal type for 3, 4, 5, lugs wheel



ABT-00117

Quick Rocker Puller For All Types Of Torch

- Product Feature:
 1. Straight Up/Down, Good For Pulling
 2. Extension Easy Adjustable
 3. With Earth Or Without Electrode.
 4. Used For Auto Mode Function

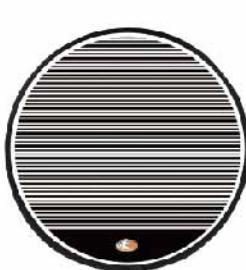


ABT-17618A 600 mm ABT-17618B 800 mm

Flexible PDR Line Board

- Great visual aid for PDR (Paintless Dent Repair).
- Works well for insurance adjusters & taking photos of damage.
- **ABT-17618A:** Foldable in few seconds 600mm ---> 200mm.
- **ABT-17618B:** Foldable in few seconds 800mm ---> 300mm.

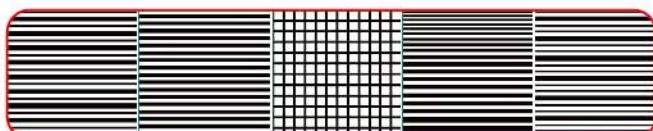
- Pattern / Color / Logo can be full Customized
- Examples of how the flexible pdr line board can be used are as follows:
 - For documenting damage during handover of leased vehicles.
 - For documenting minor damage to motor vehicles (parking damage).
 - For documenting degree of deformation after a road traffic accident.
 - For documenting quality of repair (surface finish).
 - For quality control of surfaces in industry.



ABT-17618A



ABT-17618B





Body Tools

钣金工具

ABT-00153

Wheel Arch Clamp

- Quick and easy to set up in a second
- Versatile tool on many kinds of applications.
- Wing nut to easy adjust for hassle free installation and removal.
- Material: Steel + S45C



ABT-00151

Parallel Welding Clamp

- Precise alignment of work piece in L, T or I Configuration
- Integral bubble level ensures accuracy of alignment
- Wing bolts feature protective tips, preventing damage to surface of work piece
- Effective, handy and easy to use
- Material: Zinc alloy

Applicable:

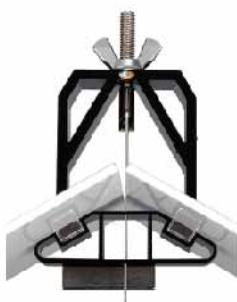
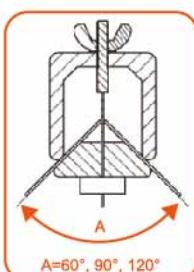
- Thickness of the object less than 20 mm



ABT-00152

3 Angles Welding Clamps

- Securely fix panels at 60°, 90° and 120° angle
- Secures panels with thickness up to 12.5 mm
- Magnetic fixture allows panels to be positioned before being clamped in place
- Unique self-centering design aids fast alignment of panels in clamp
- Material: Carbide steel+ALU.+Magnet



ABT-00076

1 PC

ABT-00076-A

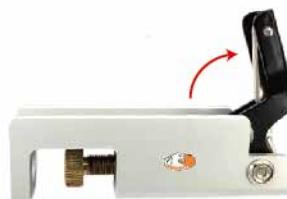
4 PCS

ABT-00076-B

2 PCS

4" Micro Grip Set

- Material : Aluminum Alloy
- Solid Brass Adjustable Screw / Mobile Jaw
- Jaw Adjustment : 0 - 11 mm
- Length : 95 mm / Weight : 125g
- Packing : Blister + Card



ABT-C602-1

90 ° Corner Clamp

ABT-00057

90 ° Corner Clamp (Manual)

- Eliminates the need to use two separate clamps.
- Will be able to get into narrow, confined areas.
- Cross-hatched teeth are offset to provide a firm grip for straight ahead
- Pulls on right angle corners.
- To be used with slide hammer.
- Material : 4140
- Surface Finish : Yellow Plated



ABT-C602-1



ABT-00057

ABT-00111

Auto Glass Repair Stand Parts

- The fastener is applied for all kinds of auto glass stands.
- The bottom of fastener can be adjusted any degrees you need according to your windshield sizes.
- This is convenient & portable than traditional spherical cup.
- Moreover, it has non slip design to avoid the glass to be cracker.





Body Tools

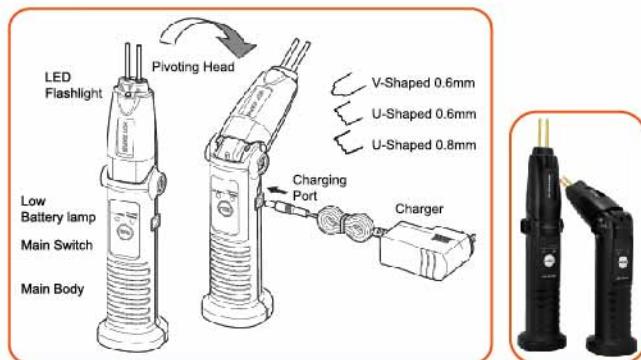
钣金工具

ABT-00128

Folding Bumper Repair Set

With Battery - Europe Type (301 PCS)

- Application: Plastic Maintenance
- Battery: 3.7V 2600mah x 3
- Charge Time : 3 - 4 Hours
- Charger 100V ~ 240V 5VDC 24 (With EU Plug)
- Conductive Rod Outer Diameter 0.4 mm x 35 mm



Contents

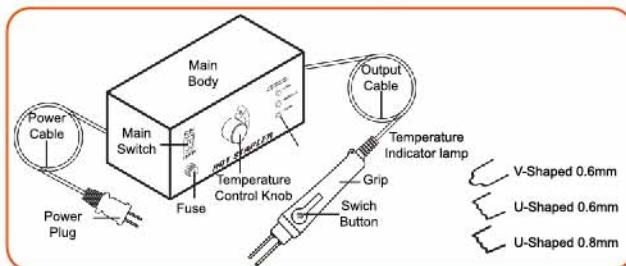
1PC	Folding Cordless Rechargeable Hot Stapler
100PCS	Heating Repair Pin (V-Shaped 0.6 mm)
100PCS	Heating Repair Pin (U-Shaped 0.6 mm)
100PCS	Heating Repair Pin (U-Shaped 0.8 mm)

ABT-00129

Bumper Repair Set

(Rotary Button) - Europe Type (301 PCS)

- Application: Plastic Maintenance
- Power Supply : AC 230V
- Power Consumption: 230V /60Hz 1.5V. /1.6V /1.7V (5A)



Contents

1PC	Iron Material Main Body & Hot Stapler
100PCS	Heating Repair Pin (V-Shaped 0.6 mm)
100PCS	Heating Repair Pin (U-Shaped 0.6 mm)
100PCS	Heating Repair Pin (U-Shaped 0.8 mm)

ABT-00141K

Cordless Hot Stapler & Plastic Welding Tool w/ Air Sander

- USB Cord
- CE, FC, RoHS
- Quick repair weld easily
- Perfect for Plastic bumper
- Unique, easy to use, powerful, durable, saves time and money
- Replacement tip for hot staples, complete to bridge the cracked area together in few seconds.
- Plastic welding tool, Max. temp. 932°F (500°C)
- Replacement tip for Plastic welding with stainless pipe guide, Max. Temp. 788°F (420°C)



Contents

1PC	Angle Sander.
2PCS	Surface Conditioning Sisc Wrench 11 mm.
1PC	4.5" Side Cutter Plier.
20PCS	Plastic welding rods, 150 mm in length each rod, including ABS/ PP/ PE/ PS material
2PCS	Reinforcing stainless steel wire mesh, 50 x100 mm.
50PCS	Flat staples, alloy wire 0.8 mm in diameter.
50PCS	Flat staples, alloy wire 0.6 mm in diameter.
1PC	USB charging cord set
1PC	Safety stand

Body Tools

钣金工具



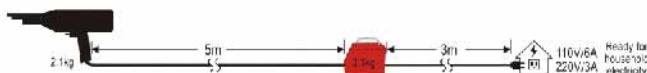
ABT-11242-A / ABT-11242-B

Dent Hunter Double Kill Aluminum & Steel - 6A / 3A

- ABT-11242-B : Voltage : 110V, 50/60HZ ; Phase : 1PH
Max Input Current : 6A
- ABT-11242-A : Voltage : 230V, 50/60HZ ; Phase : 1PH
Max Input Current : 3A
- Max Output Current : 5000A
- Duty Cycle : 100% @8 ~ 15 M4 Aluminum Nail / Min



- Spot Welding Gun Weight : 2.1 kg
- Power Supply : 3.1kg (Not Incl. Cable & Other Accessories)
- Spot Welding Gun
Dimension : 420 x 95x 220 mm
Power Supply Dimension : 170 x 110 x 120 (H) mm



PARTS		Qty.	PARTS		Qty.	PARTS		Qty.
washer		10	US type stud	Φ2.2	10	Patented h puller		
			stud	Φ2.6	10			
Al-Mg-Si alloy		10	US stud	Φ2.2	1			
Al-Mg alloy	M4x15	10	stud chuck	Φ2.6	1			
washer		10	stud welding chuck	M4	1			
			earth tip	10x20	3			
puller washer	M4	5	earth bar (L:65mm)		2	M6 conical electrode		1
			extend earth bar (L:125mm)		1	M5 rounded electrode		1
chuck for washer	Φ10	1				M5 to M6 adapter		1

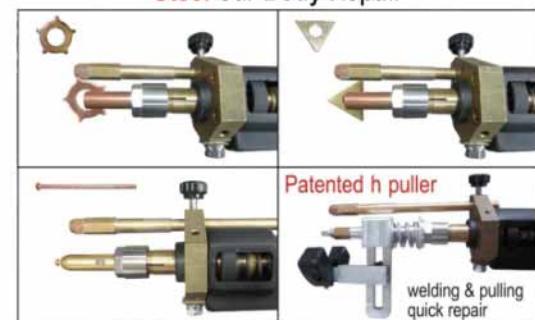
Welding Results



AL Car Body Repair



Steel Car Body Repair



DM-03

Ultra Spot Complete Set For Body Shop

- Multi-function. Aluminum car / Steel car all can be repaired Washer/Steel stud / AL stud welding + carbon heating
- No burning/No rush/No overheat
- Ultra small heat area.
- No overheat on the backing material.
- No damage of Antirust layer
- 10A switch available, 110V workable, no need industrial type switch.
- No problem for 2mm plate welding.



ABT-00087

Mighty Stud- Automotive Industry And Sheet Metal Repairs

- Rate Input (V): 1φ,220V,50/60 Hz
- Rate Input (A): 28A
- Rate Input (KVA): 13KVA 11 KW
- Output Current (A): 380-1800A
- Dimension: 38 x 26 x 50 cm
- Weight: 32 kg



ITEM NO	Main Voltage	Phase PH	Power KVA	Adjustment	Welding Current	Duty Cycle	Weight (Kg)	Dimension (mm)
DM-03	230V 50/60Hz	1	-	Micro-adj	5600A	-	35	505 x 257 x 356



Body Tools

钣金工具

PR-1501

Panel Stand

- Support for doors, hoods, fenders, spoilers, etc...
- Size : L x W x H : 950 x 600 x 700 / 1030 mm



PR-2055

Door-Fender-Bumper Paint Stand

- Size : L : 900 x W : 760 x H : 1330 mm



PR-2058

Wall Mounted & Folding Bumper Stand

- Left & right with the shelves of 4 layers.
- The stand can be adjusted the length of two sides according to your own needs.
- Capacity : 10kg / Layer Maximum
- Size : W x H : 60 x 100 cm.
- Color : Silver



ABT-00110

Auto Glass Repair Stand

- Size : W x D x H : 950 x 270 / 940 x 650/ 1100 mm
- Capacity : 300 LB



PR-2056

Flexible stand

- Size:
 - W 100-160 x D 90 x H 105-140cm
- Capacity: 200 lbs (92kgs)
- Brake wheels x 4



PR-2053N

Bumper Support

- Min:
 - 94(L) x 99(W) x 185(H) cm
- Max:
 - 94(L) x 120(W) x 185(H) cm



WS-306

Adjustable Folding Stand (Big Type)

- Min. Height: 80 cm, Max. Height: 127 cm
- Min. Width: 23 cm, Max. Width: 130 cm
- Capacity: 300 Lbs. Maximum



WS-301

X Stand With Adjustable Extension Rod

- W: 1130 x D: 270~940 x H: 650~1100 (mm)
- Arm L: 760 mm
- Capacity: 300 Lbs. Maximum



JACKING & LIFTING TOOLS



Jacking & Lifting Tools

312



Jacking & Lifting Tools

千斤頂工具

JLT-00011

2T Bottle Jacks

- Capacity: 2Ton
- Size: 49(L) x 22.5(W) x 18.5(H) cm
- Weight: 2.3kg
- Min High: 158 mm
- Max High: 308 mm
- Lifting High: 90 mm
- Adjust High: 60 mm



JLT-00014

12T Bottle Jacks

- Capacity: 12Ton
- Size: 28(L) x 15.5(W) x 24(H) cm
- Weight: 6.8 kg
- Min High: 215 mm
- Max High: 400 mm
- Lifting High: 125 mm
- Adjust High: 60 mm



JLT-00012

4T Bottle Jacks

- Capacity: 3-4Ton
- Size: 46.5(L) x 24(W) x 22(H) cm
- Weight: 3kg
- Min High: 195mm
- Max High: 380mm
- Lifting High: 125mm
- Adjust High: 60mm



JLT-00015

20T Bottle Jacks

- Capacity: 20Ton
- Size: 32.5(L) x 18.5(W) x 26.5(H) cm
- Weight: 10kg
- Min High: 244mm
- Max High: 449mm
- Lifting High: 145mm
- Adjust High: 60mm



JLT-00013

6T Bottle Jacks

- Capacity: 5-6Ton
- Size: 37(L) x 25(W) x 22(H) cm
- Weight: 4kg
- Min High: 197mm
- Max High: 382mm
- Lifting High: 125mm
- Adjust High: 60mm



Jacking & Lifting Tools

千斤頂工具



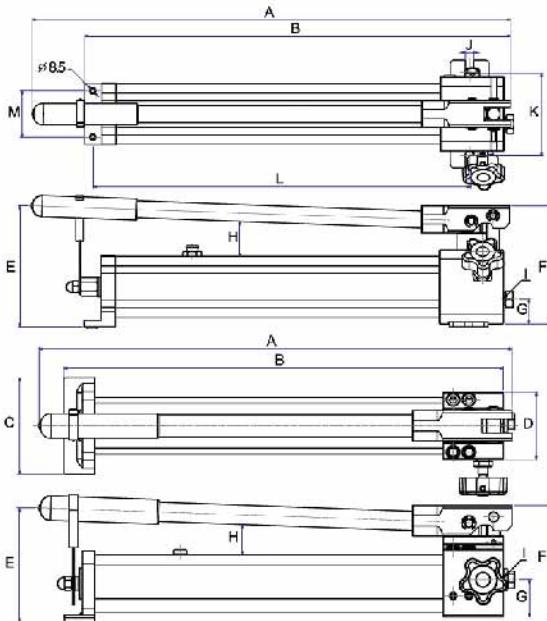
HP5 Series

Aluminum Hand Pumps

- Max. working pressure 700 bar /10,000 psi
- Large 3/8" pressure port for maximum flow
- LOW handle effort for easy operation
- Single & two speed models

Features:

- Our hand pumps are always featured with their rugged construction & low handle efforts.
- Aluminum alloy construction & hand-size release knob with anti-lossing mechanism are truly suitable to industrial requirements & your daily works.
- Special design with aluminum alloy construction as much light weight is ideally for easy portability & maneuvering.
- Double action design on hp5-2000a is ideal for using with double acting cylinders , no extra controlling valve & adapters needed.
- 40,000 psi Model brings you the special ultra high pressure application but with light weight.



HP5-0350A / HP5-1000D
HP5-1000E / HP5-2000B
HP5-2000C



HP5-2000A



HP5-1000UA

Model No.	Pressure Rating stage (bar)		Usable Oil Capacity	Oil Volume Per Stroke stage (C.C.)		A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I	J (mm)	K (mm)	L (mm)	M (mm)	Weight (g)
	1st	2nd		(C.C.)	1st	2nd													
HP5-350A	13.8	700	350	12.9	1.0	391	361	110	77	140	127	42.5	37	3/8"-NPT	-	-	-	-	2.3
HP5-1000D	13.8	700	1000	12.9	2.3	542	513	110	77	130	127	42.5	37	3/8"-NPT	-	-	-	-	3.5
HP5-1000E	13.8	1000	1000	12.9	1.65	539	501	110	77	145	127	42.5	37	3/8"-NPT	-	-	-	-	3.5
HP5-2000A	13.8	700	2000	12.9	2.3	623	556	150	102	135	135	24/37	37	3/8"-NPT	-	-	-	-	7.0
HP5-2000B	13.8	700	2000	12.9	2.3	623	556	150	102	135	135	50	37	3/8"-NPT	-	-	-	-	6.0
HP5-2000C	13.8	1500	2000	6.5	1.0	699	629	150	102	152	157	50	37	3/4"-16UNF	-	-	-	-	6.7
HP5-1000UA	14.0	2800	1000	12.9	0.65	620	488	80	140	108	157	26	37	3/4"-16UNF	11.2	108	166	60	5.3



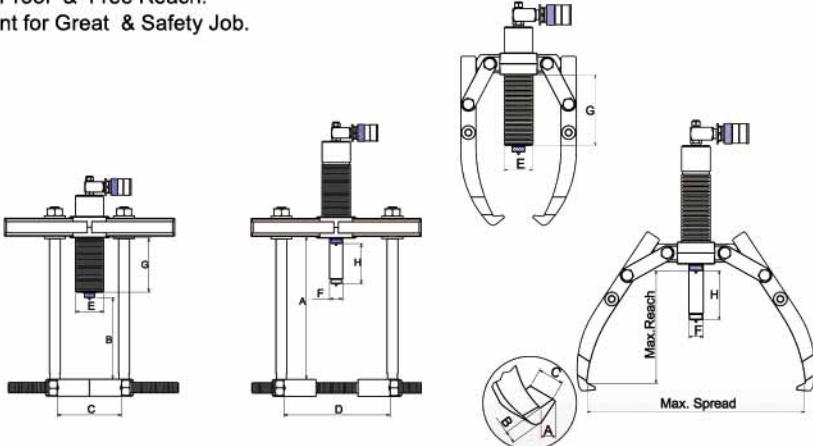
Jacking & Lifting Tools

千斤頂工具

HP6-E Series

Separate Hydraulic Pullers

- Heat Treated & Chrome Plated Hydraulic Cylinder Rod Provides Linear Force.
- Easily Release Valve.
- Spring Loaded Live Centering Nut for Easy Job (Removable).
- 2 Jaws Puller Cross Head with Manganous-Phosphate Plated for Rust Proof & Durability.
- Heat Treated, Chrome Plated & Alloy Steel Stud for Rust Proof & Free Reach.
- Impact Set Including Available Size of Bearing Attachment for Great & Safety Job.



Model No.	Capacity (Ton)	Max. Reach (mm)	Max. Spread (mm)		Stroke (mm)	Pump Tip (mm)			Jaw Tip (mm)			Weight (g)
			C	D		E	F	G	A	B	C	
HP6-OT04E	4	185/ 250	55	255/ 110	60	42	22	84	11	6	22	4.5/ 8.5
HP6-OT08E	8	230/ 270	95	350/ 220	85	50	25	122	11	10	25	6.5/ 12.6
HP6-OT12E	12	270/ 380	225	375/ 290	85	60	28	118	14	10	29	8.0/ 18.0

AP- 1600 / AP- 3000

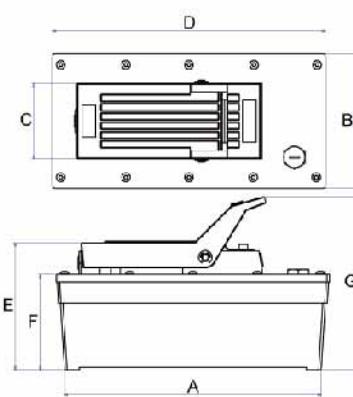
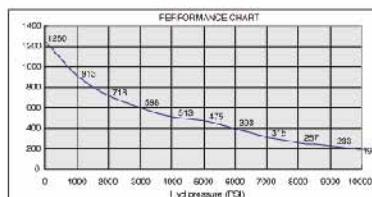
Air / Hydraulic Pumps

- Beats the leading competitors in oil flow delivery by as much as two to one, doing more work in less time.
- Portable to any job site equipped with compressed air takes the place of manual pumps reducing operator fatigue & increasing productivity
- Compact, lightweight design for easy handling & storage.
- Internal Relief Valve Protects System Components.
- Metal housing is extremely heavy-duty, these pumps are durable & long lasting.
- 2-Stage release mechanism for fast return while reducing hydraulic shock, operates easily by hand or foot.
- ALL-metal air motor for reliability & easy maintenance.
- Operates at up to 10000 psi (700 bar).



AP-1600

AP-3000



Model No.	Rated Pressure (psi)	Usable Oil Capacity (C.C.)	Output Flow Rate (C.C. / Min)		Air Cons. (CFM)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	Weight (g)
			Unload	Load									
AP-1600	10000	1600	1250	193	9	242	128	90	258	154	114	205	7.3
AP-3000	10000	3000	1250	193	9	305	160	90	325	152	114	205	10

Jacking & Lifting Tools

千斤頂工具



Features

- The jack can be used in two operations: air or hydraulic
- Heat treated extension screw allows low pickup height adjustment and maximum lift height.
- High quality air pump for longer lift.
- A wide base provides stability and strength.
- The hardened, machined and polished ram and plunger allows for smooth operation.

JLT-00017

5T Air Hydraulic Bottle Jack

- Capacity: 5Ton
- Min Height: 210mm
- Max Height: 430mm
- Lifting Height: 140mm
- Adjust Height: 80mm



JLT-00019

30T Air Floor Jack

- 3-position pumping handle makes it easy to reach under vehicles with low overhangs.
- Capacity: 30Ton
- Min Height: 263+20mm
- Max Height: 538+100mm
- Lifting Height: 155mm
- Adjust Height: 120mm



JLT-00018

12T Air Hydraulic Bottle Jack

- Capacity: 12Ton
- Min Height: 250mm
- Max Height: 495mm
- Lifting Height: 165mm
- Adjust Height: 80mm



JLT-00024

0.5T Transmission Jack

- Used for removing, installing and transporting the auto parts
- Adjustable saddle with adjustable corner brackets and safety chain
- Double pump pole makes lifting quicker.
- Two-stage piston design can adjust the height efficiently.
- Capacity: 0.5Ton
- 1ST Stage Stroke: 465mm
- 2ND Stage Stroke: 465mm
- Min. Height: 870mm
- Max. Height: 1800mm





Jacking & Lifting Tools

千斤頂工具

JLT-00023K

10T Porta Power Jack

- TUV CE approved
- A must for body collision repair use.
- Built-in safety overload valve.
- Components snap together for quick setup to apply pushing, spreading, or pulling force.
- Capacity: 10 Ton
- Min. Height: 347 mm
- Ram lifting Height: 130 mm



JLT-00025

6T Shop Press

- Used for parts straightening, bending and pressing
- Multi-position bed for wrk height adjustment.
- Pressure gauge shows wrking pressure.
- with air pump can reduce labor and improve working efficiency.
- Capacity: 6 Ton
- Working range: 0-245 mm
- Width: 315mm
- Product size: 410 x 450 x 945 mm



JLT-00016

12T Pipe Bender

- Capacity: 12 Ton
- Diesize:
1/2", 3/4", 1", 1-1/4", 1-1/2", 2"



JLT-00006

12T Shop Press

- Capacity: 12 Ton
- Working Range:
0-620 mm



Model No.	Capacity	Working Range	Package Size	G.W	N.W	In20' Container
	Ton	mm / inch	cm	kg	kg	PCS
JLT-00006	12	0-620 mm	58 x 23 x 18	24	23	400
			136 x 23 x 10	22	20	
JLT-00016	12	1/2", 3/4", 1", 1-1/4", 1-1/2", 2"	63 x 56 x 17	35	34	400

Jacking & Lifting Tools

千斤頂工具



JLT-00007

1T Shop Crane

- A must-have for lifting engines, machinery and all heavy components, ideal for moving, repair, maintenance and assembly.
- Folding design is easy to transmission and store
- Four adjustable legs provide greater stability.
- Universal wheels provide easy maneuvering and positioning.
- Capacity: 1 Ton
- Lifting range: 0-2000 mm



JLT-00008A 75kg

JLT-00008B 80kg

JLT-00008C 85kg

2T Folding Shop Crane

- Capacity: 2 Ton
- Boom Working Range: 0-2350 mm



JLT-00009

1000LB Stand

- Capacity: 1000 LB
- Working Range: 800 mm (Center Height)



JLT-00027

1500LB Engine Stand

- Used for safe handling and positioning of automotive engines
- 360degree rotating head can easily position engine.
- Capacity: 1500 LB
- Working Range: 810 mm (Center Height)
- Product size: 855 x 800 x 895 mm



JLT-00010

2000LB Engine Stand

- Capacity: 2000 LB
- Working Range: 815 mm (Center Height)



Model No.	Capacity	Working Range	Package Size	G.W	N.W	In 20' Container PCS
			mm			
JLT-00007	1TON	0-2000	72 x 50 x 11	27	26	220
			134 x 24.5 x 15	30	28	
JLT-00008A	2TON	0-2350	65 x 58 x 9	19	18	180
			144 x 30 x 16	56	55	
JLT-00008B	2TON	0-2350	85 x 58 x 10	24	23	180
			144 x 30 x 16	56	55	
JLT-00008C	2TON	0-2350	85 x 58 x 10	24	23	180
			144 x 30 x 16	61	60	
JLT-00009	1000LB	800	91 x 21 x 18	24	23	750
JLT-00027	1500LB	810	89 x 31 x 18	31	29	640
JLT-00010	2000LB	815	95 x 45 x 17	44	42	360



Jacking & Lifting Tools

千斤頂工具

JLT-00026

Engine Leveler

- Capacity: 750 kg



JLT-00022

0.5T Engine Support Bar

- Capacity: 0.5 Ton
- Operating range: 730-1480 mm
- Adjust Height: 0-205 mm



JLT-00028

Portable Tire Changer

- Base size: 15-18"



JLT-00021

1500KG Car Lift

- Capacity: 1500 kg
- Min Height: 150 mm
- Max Height: 585 mm
- Adjusted Length: 775/ 1130/ 1530



JLT-00020

12" Mechanical Go Jack

- Features with heavy duty all steel constructions and a quick release foot pump
- Professional positioning hydraulic jack help to move your car or engine easily
- Maximum capacity rated at 1250lbs, rolls easily in any direction
- Capacity: 1250lbs per unit 12" Steel Roller
- Adjusting range: 335-595mm 4" Nylon castors



Jacking & Lifting Tools

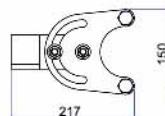
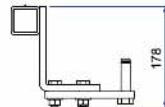
千斤頂工具



HD1-0150A

Disc Brake Handler

- The disc brake handler can remove & refit disc brake calipers & rotor / hub assemblies. rotate the rotor / Hub assembly for easy servicing.
- The model is equipped with two standard tools
- CALLIPER TOOL & ROTOR / HUB TOOL.



Calliper Tool

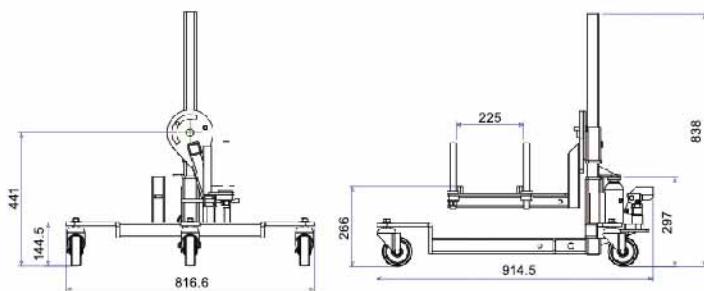
Features:

- The caliper tool fit most calipers on heavy vehicles.
- The tool can be set at the same angle as the fitted caliper.
- When the caliper is to be refitted there is no heavy lifting & the mounting bolt holes line up.

Rotor / Hub Tool.

Features:

- The rotor tool allows the rotor / hub assembly to be removed from the axle, serviced & then accurately refitted.
- The tool is easily adjustable to fit rotors of various thicknesses.



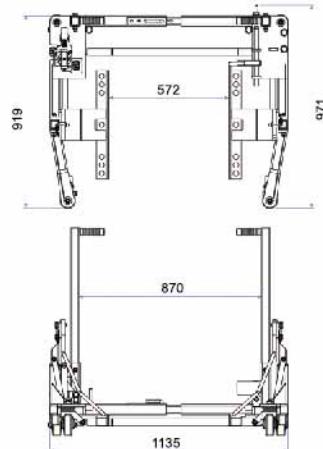
HD1-0300A

Wheel Handler

- The wheel handler is designed for wheels with 20" to 22.5" rims on heavy road transport & bus.
- Remove & refit the wheel assemblies & hub assemblies.
- Also Posit wheel assemblies & hubs at any angle for servicing.

Features:

- Reduce heavy lifting.
- The best ergonomic work positions possible.
- Reduce labor cost & increase workshop profit.
- Reduce vehicle down time. / Excellent visibility.
- Fore & aft rot or / hub tilt for accurate refitting.
- Adjustable caliper angle. / Simple height control.



HD1-0300HK

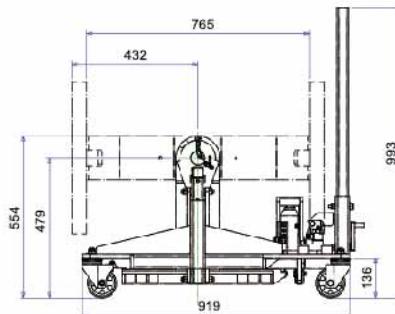
Wheel Handler

Optional Tool: Hub Set

- The hub set allows the drum brake hub or disc brake hub to be quickly & easily removed, serviced & refitted accurately with no heaving lifting.



HD1-0300HK





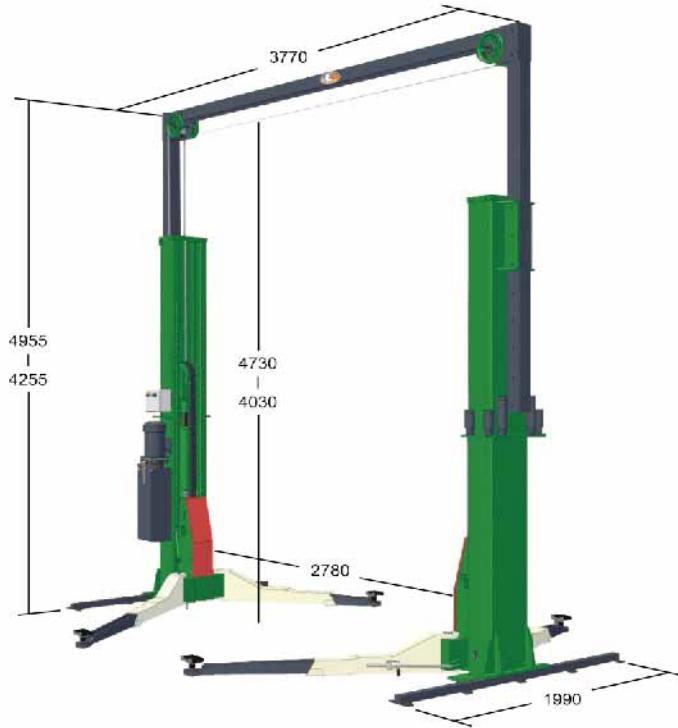
Jacking & Lifting Tools

千斤頂工具

JLT-00004

5T Two-Post Lift

- Professional Manufacture; Quality Assurance.
- The Safety Device Will Lock-Up Automatically, When Steel Chain Is Broken Or Out Of Rail.
- Easy Operation, With The Top Ascending To The Highest, Vehicle Bottom Is Fully Displayed, Easy For Maintenance, Replacement And Repair To Promote Working Efficiency, Coach Quickly Repairs Best Tools.
- Easy To Maintenance, Minimum Wear, Electrical Saving And Durable, Most Dependable Car Lift.
- Capacity: 5000 kg
- Lift Height: 1800 mm
- Voltage: AC 380V/220V 60Hz
- Horse Power: 3 HP

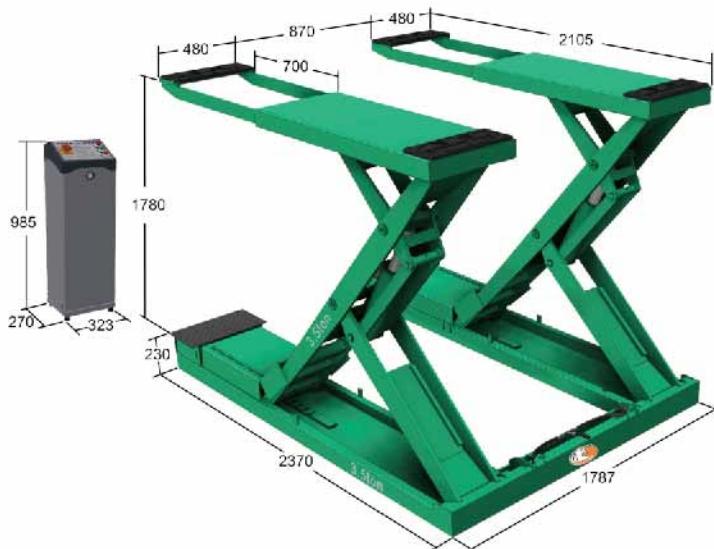


JLT-00003

3.5T Scissor Car Lift

- Professional Manufacture; Quality Assurance.
- Linking Base With Steady Gravity Center.
- Synchronous Movement Of Platens At Both Sides, Requiring No Adjustment.
- Platen Length Is Adjustable Subject To Vehicle Length.
- Accurate Safety System For Air Pressure Tandem Style Automatic Locking To Ensure Operation Security.
- Easy Operation, With The Top Ascending To The Highest, Vehicle Bottom Is Fully Displayed, Easy For Maintenance, Replacement And Repair To Promote Working Efficiency, Coach Quickly Repairs Best Tools.
- Barely Work-Out, Durable And Able To Save Electricity The Model Most Worthy Of Your Reliance.

- Capacity: 3500 kg
- Lift Height: 1780 mm
- Voltage: AC 380V/220V
- Horse Power: 2 HP
- Air Pressure: 5 Kg/cm²
- Lift / Descend: Hydraulic Power Control



ELECTRICAL TOOLS



Electrical Tools

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Electrical Tools

電器檢測維修

ADT-00069

Injector Test

- The tester generating four different output signal pulses for user to check the condition of the injector.
- Can check if the injector is clogged, leaking, or blasting.
- Power source: 12V Vehicle Battery
- Operation environment: 0-40°C(32-104°F); < 80%RH
- Storage Environment: 10-50°C(14-122°F); < 85%RH



ADT-00072

Lambda Tester and Simulator

- This device is designed to test and to simulate 1V Zirconia and 1V/5V Titania type oxygen sensors. The simulation can help user to exam the function of the ECU. Moreover, it can analyze the type of connection wire.
- Connection wires analysis (ground, open, heater, ECU power).
- Check the ECU response to the sensor by simulating rich/lean signals.
- Testing 1-4 wires (with/without heater) oxygen sensor (1V Zirconia, 1V/5V Titania).
- LED indication of oxygen sensor signal switching and low power indication.
- With wire piercing clip (easy for connection), 5 minutes auto power off, proper sealed control panel, high strength housing.



ADT-00074K

Multi-Function Automotive Tester

- Supply voltage: 12-24 V DC system
- Voltage measurement range: 0-70V DC
- DC Current measurement range: 0-5A
- Resistance measurement range: 0-200 KΩ
- Cable Length: 2M
- Illumination
- Screen Display: Color Screen
- Frequency measurement range: 0-100K Hz (Squre wave)
- Accessory: Connector x 1; Long Testing probe x 1; Wire Piercing probe x 1 (Included)
- Option: 6M extension wire



ADT-00071

Glow Plug Tester

- To help diagnosing the condition of glow plug without removing it from the engine.
- Working for 12V system, tester can be energized by 12V vehicle battery directly.
- The 6 LEDs will indicate the condition of the glow plug and the vehicle battery.



ADT-00070

Pin Towing Socket Tester

- The tester is to connect with the 12V 13-pin Euro-type socket.
- It can also connect with 7 pin socket through a 13-pin towing adaptor.
- It works for MOT testing of class 4, 5, and 7.
- The cable is long enough for user to do the test while sitting in the vehicle.
- The tester can also do self-test (not work for 7 pin socket), 12V power check, ignition, reversing light.



ADT-00075K

Multi-Function Automotive Tester

- Supply voltage: 8-30V DC
- Voltage measurement range: 0-70V DC
- DC Current measurement range: 0-5A
- Resistance measurement range: 0-200 KΩ
- Cable Length: 2M
- Illumination
- Screen Display: Color Screen
- Frequency measurement range: 0-300K Hz (Squre wave)
- Temperature measurement: 5-200 °C / 41-392 °F
- Accessory: Connector x 1; Long Testing probe x 1; Wire Piercing probe x 1 (Included)
- Option: 6M extension wire / Thermocouple



Electrical Tools

電器檢測維修



ADT-00084

Multifunction Voltage Tester

- Auto power off
- LCD resolution 1V.
- Illumination for testing point
- Tester Voltage range: 6-1000V DC, 24-1000V AC
- Probe cap to protect user and test probe.
- Dual switch for protection & function switch.
- Polarity indication LED lights up when voltage approximate $\geq 24V$ AC/DC
- CAT CATEGORY: CAT IV 1000V
- Powered by LR03 size AAA 1.5V x 2 batteries (not included)
- Safety standard: EN61243-3 / EN61326-1
- CAT category: CAT IV 1000V
- Waterproof level: IP 65
- Certificate: CE/GS



ADT-00082

LCD Multi-Meter

- DC/AC Voltage Measurement
- DC/AC Current Measurement
- Resistance Measurement
- Diode/Continuity Measurement
- Temperature Measurement
- Non-contact Voltage Sensing
- Auto Power-off
- Back-light and illumination
- Power Supply: 9V 6F22 x1 (not included)
- Certificate: CE/GS
- Display: LCD
- Maximum Resolution: 2000, 3 1/2 digits
- Range: Auto / Manual
- Data Refresh Rate: 3 times / sec
- Low Power Indication: Yes
- Working Temperature: 0-50°C / 32-122°F
- Storage Temperature: -10-60°C / 14-140°F
- Power: 9V 6F22 Battery
- Rating:
 - AC: 0-750V / 0-10A
 - DC: 0-1000V / 0-10A
 - Ω : 0-19.99M
- Temperature: -200-1300°C
- Humidity: < 80%RH
- Cat Category:
 - CAT IV 600V / CAT III 1000V



ADT-00076

Non-Contact Voltage Tester

- Tester Voltage range: 80 to 1000V AC.
- AC voltage in outlets, lighting, circuit breakers, wires and cables etc..
- Adjustable sensitivity voltage detection
- Visible LED light voltage indicator in tip (Green light is high gear, red light is low gear)
- Power off with knob
- Power supply: AAA 1.5V x 2 batteries (not included)
- Safety standard: EN61000-6-3 / EN61000-6-1
- Certificate: CE/LVD
- CAT category: CAT III



ADT-00087

600A Digital Clamp Meter

- Maximum Resolution: 3 6 / 7 (6000 counts)
- AC/DC Voltage Measurement
- AC Current Measurement
- Resistance Measurement
- Diode Measurement
- Continuity Measurement
- Non-contact Voltage Sensing
- Back-light and illumination
- Auto shot down
- Max/Min history value display
- Power Supply: AAA 1.5V x 4 batteries (not included)
- Certificate: CE/GS
- DC Voltage Range: 0-600V DC
- AC Voltage Range: 0-600V AC
- AC Current Range: 0-600A
- Resistance Range: 0-60M Ω





Electrical Tools

電器檢測維修

ADT-00088

Cordless Circuit Tester

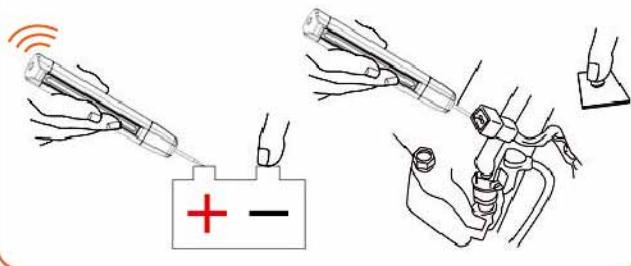
- Bi-color LED and dual-tone buzzer can distinguish between positive and negative polarity voltage.
- No ground wire or clip required.
- V-groove needle accessory makes piercing and carrying safe.
- Only for 3-30V DC Voltage.
- DO NOT use on AC powered circuits or wall sockets.
- Battery: 3V (2 x SUM5 1.5V)
- Approval: CE



Dual-tone buzzer

— continuously

— intermittently



ADT-00090 Series

Battery Surge Protector

- Designed to prevent damaging voltage spikes and surges reaching delicate vehicle electronics.
- Clips across the battery terminals and permits processes such as welding & plasma cutting to be carried out without danger of damaging the vehicle's on board electronics.
- Time of answering: 10-12 sec.



ADT-00089

Voltage Tester with Wire Stripper

- RCD test
- LCD display
- Illumination
- Continuity test
- Auto power off
- Low power indication
- Wire cutting and stripping
- 3 phase voltage rotation indication
- Voltage measurement and polarity indication



- Voltage Range: 7-1000V DC, 10-1000V AC (≤ 400 Hz)
- Resolution: 1V
- Accuracy: $\pm(3\%+3)V$ or $\pm 5V$
- Recovery Time: 60s
- High Voltage Indication: >50V AC/DC
- Three Phase Rotation Indication: 90-400V AC, 50/60Hz
- Battery: 3V (AAA 1.5V x 2)
- Cat Category: CAT III 1000V / CAT IV 600V
- Applicable Standards: EMC: EN 61326-1, EN 61326-2-2 GS: EN 61243-3, EN 61010-1



RCD Test:

- Voltage: 100-250V
- Current: ≤ 40 mA
- Time Space: 60s



ADT-00090-12

ADT-00090-24

ADT-00090-1224

ITEM NO.	Input Voltage	Torque	Body Color
ADT-00090-12	12V	12-15.3V	Yellow
ADT-00090-24	24V	24-30.8V	Blue
ADT-00090-1224	12/24V	12-36.8V	Black

Electrical Tools

電器檢測維修



ADT-00065

Vehicile Battery Charger

- 3 Digit LED Display Shows Charing Voltage
- Battery is Fully Charged , the Display will Show "FUL"
- Alligator Clips
- Input Voltage : AC 180-24V 50-60Hz
- Input Current : 1.2 V
- Battery Type : 12V Lead-Acid battery / IP Level : IP54
- AC Power Plug (IP44) / Maximum Output Power : 48W



ADT-00056

Battery Analyzer (12V / 24V)

- Applicable to elevators, trucks, Ships, etc..
- Alternator & Crank Motor Available!!
- Judge the battery ability , resistance & evaluate the life of battery.
- 24V Lead-acid Battery Available. Fast , Easy & Accurate.



- Simply input model no., specifications & then press ENTER.
- Alligator clips uniquely designed for 12V Lead-Acid Battery.
- Accurate readouts enabled by unique internal-resistance circuitry.

Type	EFB・AGM・12V Lead-Acid
Range	100 ~ 2200CCA
Standard	CCA・EN・DIN・IEC・JIS

ADT-00053

Two Pole Voltage Tester

- Test Range : 6 - 600 AC / DC
- Seven Volatage Range 6, 12, 50, 110, 230, 415V AC / DC
- LED Polarity Indication
- IP66 Protection Conforms to EN61243-3 Standards



ADT-00066

Boiling Brake Fluid Tester

- Boiling Point Brake Fluid Meter to test Temperature Vaule of DOT3 , DOT4 & 5.1
- Product Description :
 - Testing Button : A : Brake Fluid Test (Press & Hold Testing Button)
 - B : External Thermocouple (Option)
- Temperature Unit : °C / °F
- LCD Display / Illumination
- Saved Five Record Memories
- Sucker x 1 ; Measuring Cap x 1
- Power Supply : 12V Automotive Battery



ADT-00057

Battery Analyzer With Printer

- Applicable to elevators, trucks, Ships, etc..
- Alternator & Crank Motor Available!!
- Battery, alternator & Crank Motor test .
- Judge the battery ability , resistance & evaluate the life of battery.
- Built-in Printer. / Fast , Easy & Accurate.



- Simply input model no., specifications & then press ENTER.
- Alligator clips uniquely designed for 12V Lead-Acid Battery.
- The printer can print the result for your customers.

Type	12V Lead-Acid Battery
Range	100 ~ 1700CCA
Standard	CCA・EN・DIN・IEC・JIS

ADT-00054

Multimeter Set (18 PCS)

- Applied tool Set for multimeter

Contents:

- 1PC 5KΩ potentiometer (variable resistor)
- 2PCS Alligator clips
- 4PCS 1 on 1 connector
- 2PCS LED stroboscope
- 4PCS Acicular probe
- 2PCS Probe
- 1PC SRS Connector
- 1PC 4 Pin quick cables
- 1PC Wire Checking Clips





Electrical Tools

電器檢測維修

ADT-00055

New MultiPurpose Connectors (92 PCS)

- A must-have set for technicians More space , more applications

Contents:

- 2PCS 5KΩ potentiometer (variable resistor)
- 2PCS Alligator clips
- 4PCS 1 to 1 extension cable
- 2PCS LED stroboscope
- 4PCS Acicular probe
- 2PCS Probe
- 24PCS Round terminals
- 48PCS Flat terminals
- 2PCS SRS Connector
- 2PCS 1 to 2 Connector



Name	Q'TY	Photo	Parts No.	Description
5KΩ potentiometer (variable resistor)	2		S01	Many parts in vehicle are applied to the variable resistor (engine coolant temp.sensor, air temp. sensor, oil temp. sensor). You can adjust the resistor to meet your demand.
Alligator clips	2		S10 (Red) S11 (Black)	Clip the testing part, can be used together with the probe & extension cable.
Acicular probe	4		S04 (Red) S05 (Black)	To avoid the damage, please notice the operating angle. (Good strength with stainless steel)
LED stroboscope	2		S03	2-color and 2-way LED. The LED changes the color when shifting the positive (+) / Negative (-).
SRS Connector	2		S07	After accident, the airbag needs to set up a new SRS airbag. The SRS connector is used to replace the SRS airbag to connect with the system first. The connector will be burned if the current is over 0.25A.
1 to 2 connector	2		S06	1 to 2 Male / Female connector of banana sockets.

Name	Q'TY	Photo	Parts No.	Description
1 to 1 extension cable	4		S12 (Red) S13 (Black)	1 to 1 Male / Female connector of banana sockets.
Probe	2		S18 (Red) S19 (Black)	Probe the testing part, can be used together with the alligator clip and extension cable.
Round Male terminals with Female banana socket	12		F041 F042 F043 F044	4.0mm Male terminal (3pcs / each) 3.5mm Male terminal (3pcs / each) 2.0mm Male terminal (3pcs / each) 1.5mm Male terminal (3pcs / each)
Flat Male terminals with Female banana socket	24		F050 F051 F052 F053 F055 F056 F057 F058	0.7mm Male terminal (3pcs / each) 0.8mm Male terminal (3pcs / each) 1.2mm Male terminal (3pcs / each) 2.0mm Male terminal (3pcs / each) 2.5mm Male terminal (3pcs / each) 3.0mm Male terminal (3pcs / each) 5.0mm Male terminal (3pcs / each) 6.0mm Male terminal (3pcs / each)
Flat Female terminals with Female banana socket	24		F061 F062 F063 F064 F065 F066 F067 F068	6.0mm Female terminal (3pcs / each) 5.0mm Female terminal (3pcs / each) 3.0mm Female terminal (3pcs / each) 2.5mm Female terminal (3pcs / each) 2.0mm Female terminal (3pcs / each) 1.2mm Female terminal (3pcs / each) 0.8mm Female terminal (3pcs / each) 0.7mm Female terminal (3pcs / each)
Round Female terminals with Female banana socket	12		F071 F072 F073 F074	1.5mm Female terminal (3pcs / each) 2.0mm Female terminal (3pcs / each) 3.5mm Female terminal (3pcs / each) 4.0mm Female terminal (3pcs / each)

Electrical Tools

電器檢測維修



ADT-00073

Voltage Tester & Wire Stripper

- Sound and Light indication
- Illumination
- Magent Function
- Non contact Voltage Tester: Voltage detection > 80V AC
- Power source: 3A 1.5V x 2 (Not included)



ADT-00086

Retractable Cable
With Automotive Voltage Tester

- Used as an extension cord for testing electrical circuits in cars, trailer, boats
- 2 x 6m retractable test leads
- Check on 6, 24 and 48V DC systems
- Digital display to read accurate voltage value
- LED indication for Power (Red) and Ground (Green)
- Optional accessory include test probes and banana plugs
- Set can be used with any multi meter or device equipped with banana jack connectors
- Tester Voltage Tester: 6-48V system
- Banana plug wire long total 6M (19.68 ft)
- Maximum: 10 AMPS (Unwound) 6 AMPS (wound)
- Alligator clip (1 Black and 1Red) (Model 3506) included
- Certificate: CE



ADT-00085

Retractable Cable

- 2 x 6m retractable test leads
- Used as an extension cord for cars, trailers, boats and more
- Optional accessory included alligator clips, test probes and banana plugs
- Set can be used with any multi meter or device equipped with banana jack connectors
- Banana plug wire long total 6M (19.68 ft)
- Maximum: 10 AMPS (Unwound) 6 AMPS (wound)
- Alligator clip (1 Black and 1Red) (Model 3506) included



ADT-00052

VAG Connector Removal Tool

- The safe & proper way to remove most VAG push & pull connectors.
- This style electrical connector is often found on mass air flow (MAF) sensor, coil packs, headlights / fog lights, level sensors, MAP sensors, & etc...
- Suitable for VAG group : VW / Audi / Porsche, & etc...



ADT-00033 Series

Heat Shrink Tube Mail Box Set

- Mail Box Size: 16.8x5.6x18.7
- Material: Polyolefin
- Protection And Insulation Of Components And Wires .
- Quick & Simple To Shrink By Heat Gun.
- Economical And Easy To Install, Extremely Proper In The DIY Market.
- Color Coordination And Sizes.



ITEM NO	Size	Length (M)
ADT-00033-104	Ø 4	10
ADT-00033-105	Ø 5	10
ADT-00033-106	Ø 6	10
ADT-00033-108	Ø 8	10
ADT-00033-1010	Ø 10	10
ADT-00033-152	Ø 2	15
ADT-00033-153	Ø 3	15



Electrical Tools

電器檢測維修

ADT-00038-A1

8.7" Ratchet Crimper

- Suitable For Heat Shrink Butt Connector
- AWG 22-18/16-14/12-10/8
- DIN 0.5-1.0/1.5-2.5/4-6/10 mm²



ADT-00038-A5

8.7" Ratchet Crimper

- Suitable For Closed End Connector & Heat Shrink Terminal
- AWG 22-16/16-14/12-10
- DIN 0.5-1.5/1.5-2.5/4-6 mm²



ADT-00038-A2

8.7" Ratchet Crimper

- Suitable For Fully Insulated Quick Disconnect
- AWG 22-18/16-14/12-10
- DIN 0.5-1.0/1.5-2.5/4-6 mm²



ADT-00038-H6

8.7" Ratchet Crimper

- Suitable For Delphi Weather Pack Terminal
- AWG 20-18/22
- DIN 0.5-0.8/0.35 mm²



ADT-00038-A3

8.7" Ratchet Crimper

- Suitable For Miniature Insulated Terminal
- AWG 26-22/24-18/22-16
- DIN 0.1-0.5/0.25-1.0/0.5-1.5 mm²



ADT-00038-H7

8.7" Ratchet Crimper

- Suitable For Delphi Weather Pack Terminal
- AWG 16-14/12
- DIN 1.0-2.0/3 mm²



ADT-00038-A4

8.7" Ratchet Crimper

- Suitable For Insulated Flag Terminal
- AWG 22-18/16-14
- DIN 0.5-1.0/1.5-2.5 mm²



Electrical Tools

電器檢測維修



ADT-00061

Crimper For Weather Pack Terminal & Seal

- Designed by Germany. Made in Taiwan.
- 2-Way Crimping Tool
- Length : 213 mm / Die Gauge : 4.0 mm
- Crimper could be tied-in sale with HE29 Weather Pack Terminal.
- Material : AISI-4140
- Procedure : Precision & Wax-Lost Casting
- Treatment : Finished With Heat Treatment
- Surface Treatment: Zinc Phosphate
- Material :
Body : SPCC (Steel - Plate - Cold Rolled - Common)
Handle : PP + TPR (PAHS Approved)
- Applicable : TOYOTA / Audi / Buick / Ford / GM / MAZDA / Nissan



How to use

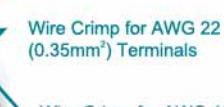


Metri-Pack 280 Seals & Weather Pack Seals O.D. Ø 4.25



Material : AISI-4140
Procedure : Precision & Wax-Lost Casting
Treatment : Finished with Heat Treatment
Surface Treatment : Zinc Phosphate

Metri-Pack 150 Seals O.D. Ø3.45



Material : SPCC
(Steel - Plate -
ColdRolled - Common)

Material : PP+TPR

ADT-00062

Crimper For Superseal 1.5 Terminal & Seal

- Designed by Germany. Made in Taiwan.
- 2-Way Crimping Tool
- Length : 210 mm / Die Gauge : 4.0 mm
- Crimper could be tied-in sale with HE30 Superseal 1.5 Terminal.
- Material : AISI - 4140
- Procedure : Precision & Wax-Lost Casting
- Treatment : Finished With Heat Treatment
- Surface Treatment: Zinc Phosphate
- Material :
Body : SPCC (Steel - Plate - Cold Rolled - Common)
Handle : PP+TPR (PAHS Approved)
- Applicable: Mercedes-Benz / FIAT / BMW / Ducati



How to use



Wire Crimp for AWG 22-20
(0.35-0.5mm²) Terminals



Material : AISI-4140
Procedure : Precision & Wax-Lost Casting
Treatment : Finished with Heat Treatment
Surface Treatment : Zinc Phosphate

Superseal 1.5 Seals O.D. Ø3.4



Material : SPCC
(Steel - Plate -
ColdRolled - Common)

Material : PP+TPR



Electrical Tools

電器檢測維修

ADT-00083

9" Plus Ratchet Crimper

- Length: 9"
- Tool Capacity:
 - Red: AWG22-18 (DIN 0.5-1.0mm²)
 - Blue: AWG16-14 (DIN 1.5-2.5mm²)
 - Yellow: AWG12-10 (DIN 4-6mm²)
- Material:
 - Body: Carbon Steel
 - Handle: PP+TPR (RoHS Approved)



ADT-00078K

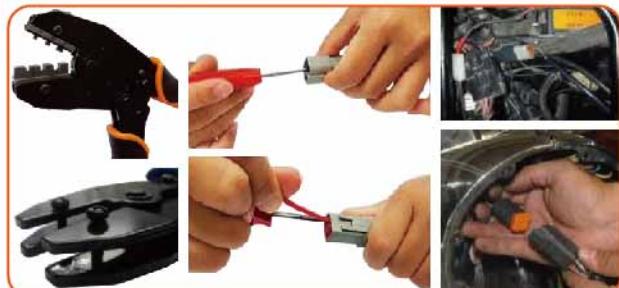
Deutsch Solid Crimper Kit (5PCS)

- 8.7" Ratchet Crimper:
 - Material: Body: Carbon Steel
 - Handle: PP+TPR(PAHs Approved)
- Die:
 - Material: AISI-4140
 - Procedure: Precision and Wax-Lost Casting
 - Treatment: Finished with Heat Treatment
 - Surface Treatment: Zinc Phosphate
- Removal Tool:
 - Combination Wedge/ Removal Tool and Flat
 - Tip Screwdriver
 - Material: 1215
 - Handle Material: PP
- Terminal Release Tool:
 - Material: Stainless Steel
 - Handle Material: Aluminum



Contents:

- 1PC Removal Tool
- 1PC 20 Gauge Terminal Release Tool
- 1PC 16 Gauge Terminal Release Tool
- 1PC 12 Gauge Terminal Release Tool
- 1PC 8.7" Ratchet Crimper
(For Deutsch Contact-Solid Type)



ADT-00079K

Nylon Insulated Flag Terminal & Tool Kit (53PCS)

- Die:
 - Material: AISI-4140
 - Procedure: Precision and Wax-Lost Casting
 - Treatment: Finished with Heat treatment
 - Surface Treatment: Zinc Phosphate
- Quick Change Ratchet Crimper:
 - Material: Body: Carbon Steel
 - Handle: PP+TPR (PAHs Approved)
- Nylon Insulated Flag Terminal:
 - Terminal Material: Brass
 - Insulation Material: Nylon



Contents:

- 20PCS Nylon Insulated Flag Terminal (AWG22-16) (0.5-1.5mm²)
- 20PCS Nylon Insulated Flag Terminal (AWG16-14) (1.5-2.5mm²)
- 10PCS Nylon Insulated Flag Terminal (AWG12-10) (4-6mm²)
- 1PC Die for Insulated Flag Terminal (0.5-2.5mm²)
- 1PC Die for Insulated Flag Terminal (4-6mm²)
- 1PC Quick Change Ratchet Crimper



Electrical Tools

電器檢測維修



ADT-00077K

Crimper for Deutsch Contacts (8PCS)

- Die:

- Material: AISI-4140
- Procedure: Precision and Wax-Lost Casting
- Treatment: Finished with Heat Treatment
- Surface Treatment: Zinc Phosphate

- Quick Change Ratchet Crimper:
 - Material: Body: Carbon Steel
 - Handle: PP+TPR (PAHs Approved)

Contents:

- 1PC Die for Deutsch Contact (14/12 AWG)
- 1PC Die for Deutsch Contact (6/5 mm² and 10/12 AWG)
- 1PC Die for Deutsch Contact (18/16/14 AWG)
- 1PC Die for Deutsch Contact (20/18/16 AWG)
- 1PC Die for Deutsch Contact (20/18/16 AWG)
- 1PC Die for Deutsch Contact (16/14/12 AWG)
- 1PC Die for Deutsch Contact (Size 20/16/12)
- 1PC Quick Change Ratchet Crimper



ADT-00032

Quick Change Ratchet Crimper For Delphi Weather Pack Terminal

- Die:

- Material: AISI-4140
- Procedure: Precision And Wax-Lost Casting
- Treatment: Finished With Heat Treatment
- Surface Treatment: Zinc Phosphate

- Quick Change Ratchet Crimper:
 - Material: Body: Carbon Steel
 - Handle: PP+TPR (PAHS Approved)



Contents:

- 1SET Die For Delphi Weather Pack Terminal
- 1SET Die For Delphi Weather Pack Terminal
- 1PC Quick Change Ratchet Crimper



Open Barrel Terminal
(For DELPHI-Weatherpack Terminal)
AWG: 16-14/12 / DIN: 1.0-2.0/3mm²



Open Barrel Terminal
(For DELPHI-Weatherpack Terminal)
AWG: 20-18/22 / DIN: 0.5-0.8/0.35mm²



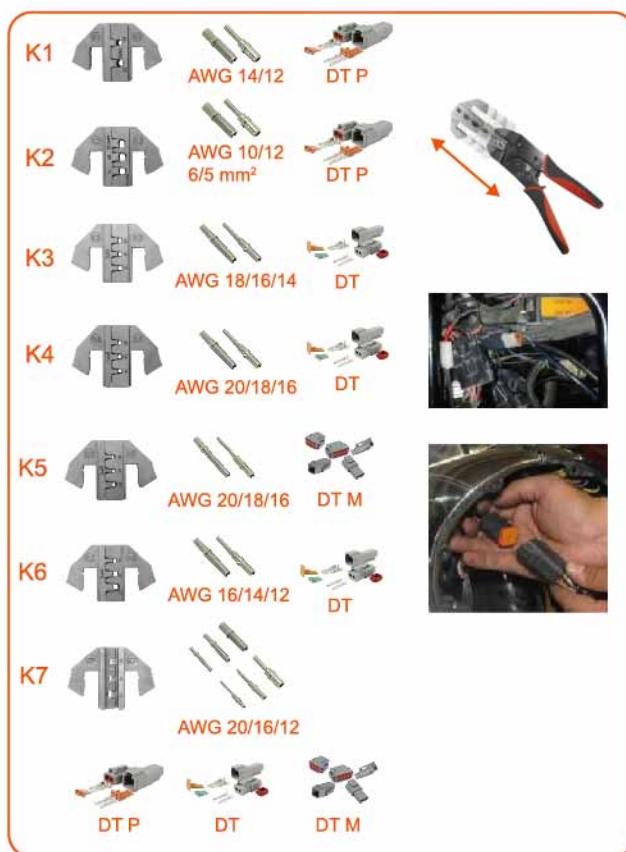
Seal loaded on stripped wire
wire stripped 5.0mm or 3/16"



Terminal, seal and wire
(positioned to be crimped)



Crimped Weatherpack Terminal





Electrical Tools

電器檢測維修

ADT-00059

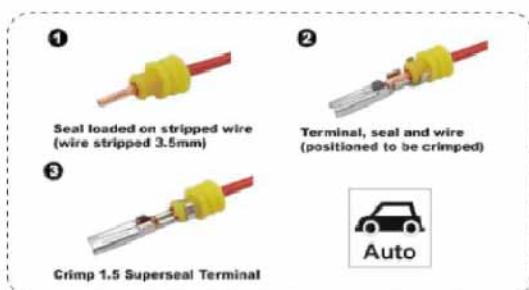
(1.5) Superseal Auto Connector & Tool Set (339 PCS)

- Die:
 - Material : AISI-4140
 - Procedure: Precision & Wax-Lost Casting
 - Treatment: Finished With Heat Treatment
 - Surface Treatment: Zinc Phosphate
- Quick Change Ratchet Crimper:
 - Material: Body: Carbon Steel
 - Handle: PP+TPR (PAHS Approved)



Contents:

- 1PC Quick Change Ratchet Crimper
- 1 SET Die for (1.5) Superseal Terminal
- 1 SET Die for (1.5) Superseal Terminal
- 50PCS $\Phi 1.0$ Wire Seal for (1.5) Superseal (For Wire O.D. : 1.2~1.8mm)
- 50PCS $\Phi 1.4$ Wire Seal for (1.5) Superseal (For Wire O.D. : 1.6~2.4mm)
- 50PCS Male Terminal for (1.5) Superseal [0.3~0.5mm²]
- 50PCS Female Terminal for (1.5) Superseal [0.3~0.5mm²]
- 50PCS Male Terminal for (1.5) Superseal [0.85~1.25mm²]
- 50PCS Female Terminal for (1.5) Superseal [0.85~1.25mm²]
- 4PCS 1 Pole Male Housing for (1.5) Superseal
- 4PCS 1 Pole Female Housing for (1.5) Superseal
- 4PCS 2 Pole Male Housing for (1.5) Superseal
- 4PCS 2 Pole Female Housing for (1.5) Superseal
- 3PCS 3 Pole Male Housing for (1.5) Superseal
- 3PCS 3 Pole Female Housing for (1.5) Superseal
- 3PCS 4 Pole Male Housing for (1.5) Superseal
- 3PCS 4 Pole Female Housing for (1.5) Superseal
- 2PCS 5 Pole Male Housing for (1.5) Superseal
- 2PCS 5 Pole Female Housing for (1.5) Superseal
- 2PCS 6 Pole Male Housing for (1.5) Superseal
- 2PCS 6 Pole Female Housing for (1.5) Superseal



- H2 DIE : For 1.5 Superseal Terminal
 - AWG 22-20 / 16
 - DIN 0.35-0.5 / 1.5 mm²



- H3 DIE : For 1.5 Superseal Terminal
 - AWG 18 / 17
 - DIN 0.75 / 1.0 mm²



- Wire Seal : Material : SIR-405 Silicone
- $\Phi 1.0$ Color : Green/ $\Phi 1.4$ Color : Yellow/ (Seal O.D.: $\Phi 6.1$)
- Male / Female Terminal : Terminal Material : Brass
- Chemical Treatment : Pre - Tin
- Feeding Type : Horizontal
- Male / Female Housing: Housing Material: PA66+GF /Color: Black
- Operating Temperature Range : -40°C~120°C

ADT-00060

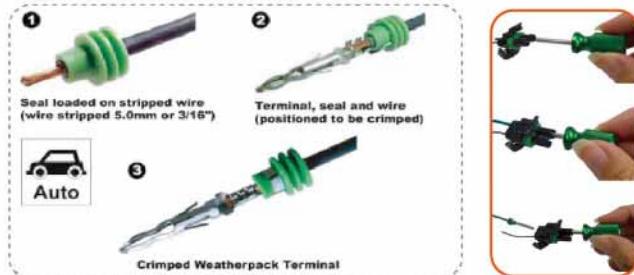
Weather Pack Connector & Tool Set (220 PCS)

- Die:
 - Material : AISI-4140
 - Procedure: Precision & Wax-Lost Casting
 - Treatment: Finished With Heat Treatment
 - Surface Treatment: Zinc Phosphate



Contents:

- 1PC Quick Change Ratchet Crimper
- 1 SET Die for Delphi Weather Pack Terminal
- 1 SET Die for Delphi Weather Pack Terminal
- 1PC Terminal Release Tool
- 25PCS $\Phi 1.4$ Wire Seal for Delphi Weather Pack (ForWire O.D.: 1.4~1.9mm)
- 30PCS $\Phi 2.5$ Wire Seal for Delphi Weather Pack (For Wire O.D.: 2.5~3.4mm)
- 25PCS $\Phi 2.8$ Wire Seal for Delphi Weather Pack (For Wire O.D.: 2.9~3.8mm)
- 20PCS Receptacles Male Terminal for Delphi Weather Pack [0.50~0.85mm²]
- 20PCS Receptacles Female Terminal for Delphi Weather Pack [0.50~0.85mm²]
- 20PCS Receptacles Male Terminal for Delphi Weather Pack [1.25~2.0mm²]
- 20PCS Receptacles Female Terminal for Delphi Weather Pack [1.25~2.0mm²]
- 20PCS Receptacles Male Terminal for Delphi Weather Pack [3mm²]
- 20PCS Receptacles Female Terminal for Delphi Weather Pack [3mm²]
- 3PCS 1 Pole Receptacles Type Male Housing for Delphi Weather Pack
- 3PCS 1 Pole Receptacles Type Female Housing for Delphi Weather Pack
- 2PCS 2 Pole Receptacles Type Male Housing for Delphi Weather Pack
- 2PCS 2 Pole Receptacles Type Female Housing for Delphi Weather Pack
- 1PC 3 Pole Receptacles Type Male Housing for Delphi Weather Pack
- 1PC 3 Pole Receptacles Type Female Housing for Delphi Weather Pack
- 1PC 4 Pole Pin Type Male Housing for Delphi Weather Pack
- 1PC 4 Pole Pin Type Female Housing for Delphi Weather Pack
- 1PC 4 Pole Receptacles Type Male Housing for Delphi Weather Pack
- 1PC 4 Pole Receptacles Type Female Housing for Delphi Weather Pack



- H6 DIE : For Delphi Weather Pack Terminal

- AWG 22 / 20 -18

- DIN 0.35 / 0.5 - 0.8 mm²



- H7 DIE : For Delphi Weather Pack Terminal

- AWG 16 - 14 / 12

- DIN 1.0 - 2.0 / 3.0 mm²



- Terminal Release Tool :

- Material : Aluminum Hexagon Housing with Anodized, Stainless Steel Blade (SUS310).

- Wire Seal : Material : SIR-405 Silicone

- $\Phi 1.4$ & $\Phi 2.5$ Color : Green / $\Phi 2.8$

- Color : Blue / (Seal O.D. : $\Phi 4.3$ / $\Phi 7.2$)

- Male / Female Housing : Housing Material : PA6/PA66 / Color : Black

- Operating Temperature Range : -40°C~120°C

- Receptacles Male / Female Terminal : Terminal Material: Brass

- Chemical Treatment : Pre-Matt Tin / Feeding Type : Horizontal

Electrical Tools

電器檢測維修



ADT-00044

(1.5) Superseal Auto Connector & Tool Kit (339 PCS)



Contents:

- 1PC PCE Quick Change Ratchet Crimper
- 1SET Die For (1.5) Superseal Terminal
- 1SET Die For (1.5) Superseal Terminal
- 50PCS $\Phi 1.0$ Wire Seal for (1.5) Superseal (For Wire O.D.: 1.2~1.8mm)
- 50PCS $\Phi 1.4$ Wire Seal For (1.5) Superseal (For Wire O.D.: 1.6~2.4mm)
- 50PCS Male Terminal For (1.5) Superseal [0.3~0.5mm²]
- 50PCS Female Terminal For (1.5) Superseal [0.3~0.5mm²]
- 50PCS Male Terminal For (1.5) Superseal [0.85~1.25mm²]
- 50PCS Female Terminal For (1.5) Superseal [0.85~1.25mm²]
- 4PCS 1 Pole Male Housing For (1.5) Superseal
- 4PCS 1 Pole Female Housing For (1.5) Superseal
- 4PCS 2 Pole Male Housing For (1.5) Superseal
- 4PCS 2 Pole Female Housing For (1.5) Superseal
- 3PCS 3 Pole Male Housing For (1.5) Superseal
- 3PCS 3 Pole Female Housing For (1.5) Superseal
- 3PCS 4 Pole Male Housing For (1.5) Superseal
- 3PCS 4 Pole Female Housing For (1.5) Superseal
- 2PCS 5 Pole Male Housing For (1.5) Superseal
- 2PCS 5 Pole Female Housing For (1.5) Superseal
- 2PCS 6 Pole Male Housing For (1.5) Superseal
- 2PCS 6 Pole Female Housing For (1.5) Superseal

ADT-00037

Heat Shrink Terminal & Closed End Connector (168 PCS) w/ Crimper Kit (For 0.5-10mm²)

Contents:

- 1 PC 10" Quick Change Ratchet Crimper
- 1 SET Die For Heat Shrink Butt Connector
- 10PCS Heat Shrink Butt Connector [0.5~1.5mm²]
- 10PCS Heat Shrink Butt Connector [1.5~2.5mm²]
- 6PCS Heat Shrink Butt Connector [4~6mm²]
- 3PCS Heat Shrink Butt Connector [8mm²]
- 1 Set Die For Closed End Connector & Heat Shrink Terminal
- 10PCS Heat Shrink Male Disconnector [Double Crimp Type] [0.5~1.5mm²]
- 10PCS Heat Shrink Female Disconnector [Double Crimp Type] [0.5~1.5mm²]
- 10PCS Heat Shrink Spade Terminal #8 [0.5~1.5mm²]
- 6PCS Heat Shrink Spade Terminal #10 [0.5~1.5mm²]
- 10PCS Heat Shrink Ring Terminal #6 [0.5~1.5mm²]
- 6PCS Heat Shrink Ring Terminal #1/4 [1.5~2.5mm²]
- 6PCS Heat Shrink Ring Terminal #10 [4~6mm²]
- 6PCS Heat Shrink Ring Terminal #1/4 [4~6mm²]
- 6PCS Heat Shrink Spade Terminal #10 [4~6mm²]
- 15PCS Closed End Connector [1.25mm²]
- 10PCS Closed End Connector [2.0mm²]
- 5 PCS Closed End Connector [5.5mm²]

ADT-00035

Automotive Interchangeable Crimper Kit



• Die:

- Material: AISI-4140
- Procedure : Precision And Wax-Lost Casting
- Treatment : Finished With Heat Treatment
- Surface Treatment: Zinc Phosphate

• Quick Change Ratchet Crimper:

- Material: Body: Carbon Steel
- Handle: PP+TPR(PAHS Approved)



Contents:

- 1 SET Die For Heat Shrink Butt Connector (0.5-10mm²)
- 1 SET Die For Fully Insulated Quick Disconnect (0.5-6mm²)
- 1 SET Die For Miniature Insulated Terminal (0.1-1.5mm²)
- 1 SET Die For Insulated Flag Terminal (0.5-2.5mm²)
- 1 SET Die For Closed End Connector & Heat Shrink Terminal (0.5-6mm²)
- 1 PC Quick Change Ratchet Crimper



- 6PCS Heat Shrink Male Disconnector [Double Crimp Type] [1.5~2.5mm²]
- 6PCS Heat Shrink Spade Terminal #6 [1.5~2.5mm²]
- 6PCS Heat Shrink Spade Terminal #10 [1.5~2.5mm²]
- 6PCS Heat Shrink Ring Terminal #6 [1.5~2.5mm²]
- 6PCS Heat Shrink Ring Terminal #1/4 [1.5~2.5mm²]
- 6PCS Heat Shrink Ring Terminal #10 [4~6mm²]
- 6PCS Heat Shrink Ring Terminal #1/4 [4~6mm²]
- 6PCS Heat Shrink Spade Terminal #10 [4~6mm²]
- 15PCS Closed End Connector [1.25mm²]
- 10PCS Closed End Connector [2.0mm²]
- 5 PCS Closed End Connector [5.5mm²]



Electrical Tools

電器檢測維修

ADT-00028

Asian Terminal Tool Kit (5 PCS)

- Easily Removes Terminals From Electrical Connectors.
- Large, High Polished Chrome Handles With Knurled Finish.
- Sturdy Stainless Steel Tips.
- Fits Most Asian And Domestic Vehicles.
- Vehicle Applications Include : Acura, Honda, Toyota, Mitsubishi, Lexus, Nissan, Toyota, Infiniti, ETC.



ADT-00030

Deutsch Terminal Tool Kit (3 PCS)

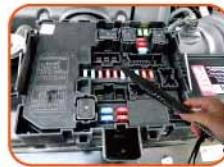
- Include: 14, 16, 20 mm



ADT-00039

Vehicle Actuator Tester

- Power Indicator: Green Led
- Positive And Negative Sensor
- Two Sensitive Level Indicator: Red LED- Strong, Yellow LED-Weak
- Power Supply: AA 1.5V x 2PC



ADT-00029

Spark Gap Tester

- Provides Instant Diagnosis Of Ignition Problems
- Whether A Faulty Coil, Ignition Wire Or Spark Plug.
- Plugs Into Coil To Measure Jump Of Spark From 0 To 40,000 Volts.
- Works Hands-Free And Can Be Use As A Troubleshooting Tool For Road Tests.



Electrical Tools

電器檢測維修



ADT-00047

(1.5) Superseal Auto Connector Wiring Kit (350 PCS)

Contents:

- 50PCS Φ 1.0 Wire Seal For (1.5) Superseal (For Wire O.D.: 1.2~1.8mm)
- 50PCS Φ 1.4 Wire Seal For (1.5) Superseal (For Wire O.D.: 1.6~2.4mm)
- 50PCS Male Terminal For (1.5) Superseal [0.3~0.5mm²]
- 50PCS Female Terminal For (1.5) Superseal [0.3~0.5mm²]
- 50PCS Male Terminal For (1.5) Superseal [0.85~1.25mm²]
- 50PCS Female Terminal For (1.5) Superseal [0.85~1.25mm²]
- 6PCS 1 Pole Male Housing For (1.5) Superseal
- 6PCS 1 Pole Female Housing For (1.5) Superseal
- 6PCS 2 Pole Male Housing For (1.5) Superseal
- 6PCS 2 Pole Female Housing For (1.5) Superseal
- 4PCS 3 Pole Male Housing For (1.5) Superseal
- 4PCS 3 Pole Female Housing For (1.5) Superseal
- 4PCS 4 Pole Male Housing For (1.5) Superseal
- 4PCS 4 Pole Female Housing For (1.5) Superseal
- 3PCS 5 Pole Male Housing For (1.5) Superseal
- 3PCS 5 Pole Female Housing For (1.5) Superseal
- 2PCS 6 Pole Male Housing For (1.5) Superseal
- 2PCS 6 Pole Female Housing For (1.5) Superseal



ADT-00063

Weather Pack Sealed Connector Wiring Set (138 PCS)

Contents:

- 20PCS Φ 1.4 Wire Seal for Delphi Weather Pack (For Wire O.D.: 1.4~1.9mm)
- 20PCS Φ 2.5 Wire Seal for Delphi Weather Pack (For Wire O.D.: 2.5~3.4mm)
- 20PCS Φ 2.8 Wire Seal for Delphi Weather Pack (For Wire O.D.: 2.9~3.8mm)
- 10PCS Receptacles Male Terminal for Delphi Weather Pack [0.50~0.85mm²]
- 10PCS Receptacles Female Terminal for Delphi Weather Pack [0.50~0.85mm²]
- 10PCS Receptacles Male Terminal for Delphi Weather Pack [1.25~2.0mm²]
- 10PCS Receptacles Female Terminal for Delphi Weather Pack [1.25~2.0mm²]
- 10PCS Receptacles Male Terminal for Delphi Weather Pack [3mm²]
- 10PCS Receptacles Female Terminal for Delphi Weather Pack [3mm²]
- 3PCS 1 Pole Receptacles Type Male Housing for Delphi Weather Pack
- 3PCS 1 Pole Receptacles Type Female Housing for Delphi Weather Pack
- 2PCS 2 Pole Receptacles Type Male Housing for Delphi Weather Pack
- 2PCS 2 Pole Receptacles Type Female Housing for Delphi Weather Pack
- 1PC 3 Pole Receptacles Type Male Housing for Delphi Weather Pack
- 1PC 3 Pole Receptacles Type Female Housing for Delphi Weather Pack
- 1PC 4 Pole Pin Type Male Housing for Delphi Weather Pack
- 1PC 4 Pole Pin Type Female Housing for Delphi Weather Pack
- 1PC 4 Pole Receptacles Type Male Housing for Delphi Weather Pack
- 1PC 4 Pole Receptacles Type Female Housing for Delphi Weather Pack
- 1PC 6 Pole Receptacles Type Male Housing for Delphi Weather Pack
- 1PC 6 Pole Receptacles Type Female Housing for Delphi Weather Pack



ADT-00064

(1.5) Superseal Auto Connector Wiring Set (228 PCS)

Contents:

- 50PCS Φ 1.0 Wire Seal for (1.5) Superseal (For Wire O.D.: 1.2~1.8mm)
- 50PCS Φ 1.4 Wire Seal for (1.5) Superseal (For Wire O.D.: 1.6~2.4mm)
- 25PCS Male Terminal for (1.5) Superseal [0.3~0.5mm²]
- 25PCS Female Terminal for (1.5) Superseal [0.3~0.5mm²]
- 25PCS Male Terminal for (1.5) Superseal [0.85~1.25mm²]
- 25PCS Female Terminal for (1.5) Superseal [0.85~1.25mm²]
- 4PCS 1 Pole Male Housing for (1.5) Superseal
- 4PCS 1 Pole Female Housing for (1.5) Superseal
- 3PCS 2 Pole Male Housing for (1.5) Superseal
- 3PCS 2 Pole Female Housing for (1.5) Superseal
- 2PCS 3 Pole Male Housing for (1.5) Superseal
- 2PCS 3 Pole Female Housing for (1.5) Superseal
- 2PCS 4 Pole Male Housing for (1.5) Superseal
- 2PCS 4 Pole Female Housing for (1.5) Superseal
- 2PCS 5 Pole Male Housing for (1.5) Superseal
- 2PCS 5 Pole Female Housing for (1.5) Superseal
- 1PC 6 Pole Male Housing for (1.5) Superseal
- 1PC 6 Pole Female Housing for (1.5) Superseal



AIR CONDITIONING TOOLS



Air Conditioning Tools

337

Air Conditioning Tools

冷媒工具



ACT-00066K

Multi-Function Spring Tube Cutter Set (3PCS)

• Material:

- Body: Zinc + Aluminum Steel
- Cutting Wheel: High Speed Steel
- Trimming blade: High Speed Steel



Contents:

- 1PC Spring Tube Cutter (3-16mm)
- 1PC Spring Tube Cutter (5-25mm)
- 1PC Spring Tube Cutter (6-32mm)
- 1PC in Blow molded case

Size		Length	
mm	inch	mm	inch
3 - 16	1/8" - 5/8"	146	5.7"
5 - 25	3/16" - 1"	150	5.9"
6 - 32	1/4" - 1-1/4"	155	6.1"

ACT-00064 Series

Multi-Function Spring Tube Cutter

- New patented design allows for the automatic feeding of tubes to the cutter
- 4 in 1 Functions:
 - Spring loaded design inside the body
 - Additional extension bar
 - Lubricated roller (Compare with Ball Bearing roller)
 - Deburring tools
- Cut tubes without the need for repeatedly adjusting the knob
- Cut PVC tubes, coppers, aluminum tubes and stainless steel tubes easily
- Material:
 - Body: Zinc + Aluminum Steel
 - Cutting Wheel: High Speed Steel
 - Trimming blade: High Speed Steel



ITEM NO.	Size		Length	
	mm	inch	mm	inch
ACT-00064A	5 - 25	3/16" - 1"	150	5.9"
ACT-00064B	6 - 32	1/4" - 1-1/4"	155	6.1"

ACT-00067K

Master Tubing Service Set

- For tubing service
- Broad tubing application including double flare, bend, cut, ream and deburr

- Size:
 - 3/16", 1/4", 3/8",
7/16", 1/2", 5/8"



ACT-00074K

Automotive Air-Conditioning Pipe
Leak Proof Joint Group (21PCS)

- Various adapter for testing leakage on each part of air condition system
- Suitable for testing Drier, Expansion Valve, Compressor, Air condenser and evaporator etc...
- Applicable: Universal type
- Specially designed for various A/C system fitting and tube from 1/4" to 7/8"



Contents:

- 2PCS air condition pipe seat
- 2PCS rubber joints
- 3PCS hexagon socket screw
- 2PCS fixed joint
- 2PCS rubber replacement fittings
- 1PC air condition line adapter
- 8PCS washers 3/8", 1/2", 5/8", 3/4" / 2PCS each





Air Conditioning Tools

冷媒工具

ACT-200B

Visible Brake Pipe Flaring Tool

- Size: 4.75mm + 3/16"



ACT-00068K

Hydraulic Pipe Flaring Tool Set

- For copper, copper/nickel & steel tubes
- For single flare and double flare
- With pipe bender, mini cutter and deburring tool
- Size: 3/16", 1/4"



ACT-00072K

Master Flaring Tool Set

- Hardened bar assembly clamps 11 tubing
SIZES: 3/16", 1/4", 5/16", 3/8", 7/16",
5/8", 1/2", 4.7, 6, 8, and 10mm
- Includes corresponding adapters for forming double flares
- Complete double and bubble flaring tool assortment



ACT-204

Visible Brake Pipe Flaring Tool

- Size: 4.75, 5, 6 mm



ACT-00073K

Brake Flaring Tool Set

- The tool works on Cupro-Nickel and Steel pipes as well as coated steel piping. Can be used in-situ.
- The set incorporates the tools to flare 4.75mm, 5mm and 6mm pipes by using the correctly sized die and punches.



Contents:

- A: Force Screw
- B: Pair 4.75mm (3/16") Dies
- C: Pair 5mm Dies
- D: Pair 6mm Dies
- E: Main part
- F: Handle
- G: SAE" Operation1:
4.75 (3/16") & 5mm punch
- H: SAE" Operation1:
6 (1/4")mm Punch
- I: SAE" Operation2:
4.75 (3/16") & 5mm &
6 (1/4")mm Punch
- J: DIN 4.75 (3/16") & 5mm Punch
- K: DIN 6mm (1/4") Punch
- L: Hex wrench 5mm



DIN CONVEX FLARE
(DIN)



SAE CONVEX FLARE
(SAE OP1)



SAE DOUBLE FLARE
(SAE OP2)

Air Conditioning Tools

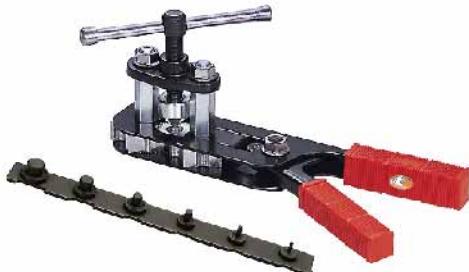
冷媒工具



ACT-00069K

Deluxe Flaring Tool Set

- With adapter capable for dual trumpet hole
- Size: 3/16", 1/4", 5/16", 3/8", 1/2", 5/8" with 6 in 1 adapter



ACT-00075

Handheld Open-Style Tube Straighteners

- Works on 3/16", 1/4", 5/16", 3/8" tubing.
- For use on copper, aluminum, and soft stainless steel tubing
- Power-free and easy to carry
- Available in every working environment

Steps:

1. Press red bottom to loosen the U-shaped grooved roller.



2. Observe the U-shaped roller grooved outlet to check if the fixed plate is level with the main body. If not, adjust the U-shaped grooved roller bottom.



3. Put the workpiece into the U-shaped grooved roller and compress the grips.



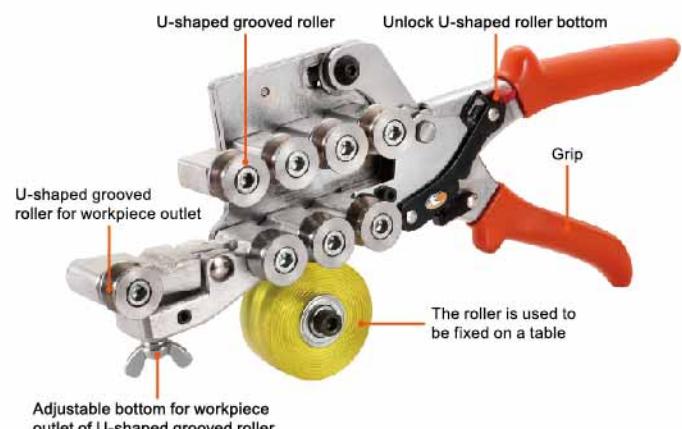
4. Push forward the workpiece inside the U-shaped grooved roller and start the straighten it.



ACT-00071

Tube Straightener

- Straighten 3/16" - 3/8" (4.75 - 10mm) annealed tubing, including stainless steel
- U-shaped rollers straighten both tubing sizes-no need to change rollers
- Hard polymer rollers leave a smooth finish on tubing
- Ball-bearings provide smooth action
- Table mount ready, with optional vise-mounting base



5. Observe how the U-shaped roller grooved outlet straightens the workpiece. When workpiece tilts downwards, adjust the U-shaped grooved roller bottom. Usually, two to four round (depending on the situation, adjust the U-shaped grooved roller bottom properly, until the workpiece become a straight line.



6. straightening finished, release the red bottom and retrieve the workpiece.



Optional: For use fixed in a vise





Air Conditioning Tools

冷媒工具

Features For ACT-00082 Series, ACT-00083 Series

- For copper, copper/nickel & steel tubes
- Quick-lock system
- Quick-release lever
- 360° Rotate
- Sliding bar design
- Lightweight
- Time-Saving
- Heavy duty hydraulic ram with over 6,000 PSI crimping pressure

ACT-00082 Series

Pistol Grip Universal Hydraulic Flaring Tool

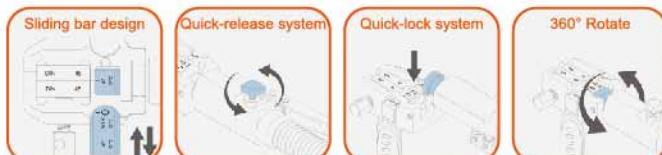
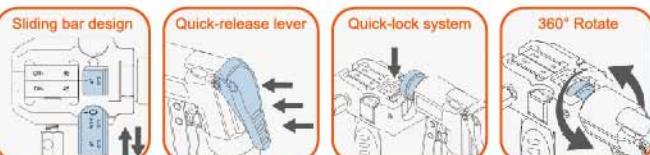
- **ACT-00082A:**
 - Create flare: 37° & 45°
 - Flare tubing sizes: 3/16", 1/4"
- **ACT-00082B:**
 - Create flare: 45°
 - Flare tubing sizes: 4.75mm, 5mm, 6mm
 - DIN: 4.75mm, 5mm, 6mm



ACT-00083 Series

Universal Hydraulic Flaring Tool

- **ACT-00083A:**
 - Create flare: 37° & 45°
 - Flare tubing sizes: 3/16", 1/4"
- **ACT-00083B:**
 - Create flare: 45°
 - Flare tubing sizes: 4.75mm, 5mm, 6mm
 - DIN: 4.75mm, 5mm, 6mm



ACT-991

Transformer Hydraulic Flaring Tool

- Size: 4.75, 5, 6 mm
- SAE & DIN



ACT-00070K

Adjustable Pin Spanner Wrench Set

- Capacity: 20 - 100 mm
- Each wrench supplied with 4 sets of slotted pegs (2.5, 3, 4, 5, 6, 7, 8, 9 mm)



Air Conditioning Tools

冷媒工具



AET-00736

Mercedes Benz A/C AC Low Side Coupler Remover Tool

- Special designed to remove the low side coupler.
- Applicable:
BENZ W221,W211,W204,W219.



ACT-00043

A/C Universal Connectors

- Use patented concave cone, convex cone connectors and cone shaped leak-proof washer in design-adaptive to pipes with various diameters.
- Pipes with diameters 3 ~ 28 can be connected with a large, medium, or small tapered cone and a large or small size connector.
- Connectors are made of copper; neither will the threads wear out as in aluminum connectors nor will they rust or corrode as in iron connectors.
- Cone-shaped leak proof rubber washer is suitable to the HNBR material found in air conditioning systems.
- Special clamp is designed to connect pipes without a fitting hole, as in the R12 system.
- Universal C-shape clip fixture design is applicable to all R134 systems with fitting hole.
- This universal connector kit covers R134, R12, European, Japanese, American, Hybrid, and Taiwanese automotive systems, functionally equivalent to six sets of connector kits.
- Prevent from requiring a new set of connectors when a new automotive series is introduced.



- The surfaces of connectors, C-shaped clips, and clamps have been specially finished. They are esthetic, ergonomic and versatile. Matching connector shapes, automotive make and models, or dimensions is not required. Easy to use and operate. Inexpensive with broad applicability.
- Machine Size: 480 x 430 x 340 mm

ACT-00060

Handheld Large Hose Crimper

- The ACT-00060 large hose crimper is designed for use with 7/8" to 1-1/2" outside diameter (1/2" to 1" inside diameter) hose.
- Select die set for the required hose size from table.



Optional Die Set :

- Handheld Large Hose Crimper Accessories
- To Suit Large Hose Crimper



ITEM NO.	Hose OD	ITEM NO.	Hose OD
ACT-00060-1	11/16" (0.69")	ACT-00060-11	1" (1.0")
ACT-00060-2	23/32" (0.72")	ACT-00060-12	1-1/32" (1.03")
ACT-00060-3	3/4" (0.75")	ACT-00060-13	1-1/16" (1.06")
ACT-00060-4	25/32" (0.78")	ACT-00060-14	1-1/8" (1.13")
ACT-00060-5	13/16" (0.81")	ACT-00060-15	1-3/16" (1.19")
ACT-00060-6	27/32" (0.84")	ACT-00060-16	1-1/4" (1.25")
ACT-00060-7	7/8" (0.87")	ACT-00060-17	1-5/16" (1.31")
ACT-00060-8	29/32" (0.91")	ACT-00060-18	1-3/8" (1.37")
ACT-00060-9	15/16" (0.94")	ACT-00060-19	1-7/16" (1.44")
ACT-00060-10	31/32" (0.97")	ACT-00060-20	1-1/2" (2.0")



Air Conditioning Tools

冷媒工具

ACT-00076S

Deburring Tool

- Material: SUJ2
- Handle: PP + TRP



ACT-00077H

Deburring Tool

- Material: H.S.S.
- Handle: PP + TRP
- Capacity: 4-18mm



ACT-00078H

Deburring Tool

- Material: H.S.S.
- Handle: PP + TRP
- Capacity: 1-20mm



ACT-00079SS w/ 2pcs SUJ2 ACT-00079HS w/ HSS & SUJ2

Deburring Tool

- Quick-Replaceable
- With One Spare Blade
- Material: SUJ2 , H.S.S
- Handle: Aluminum Steel



ACT-00080S w/ SUJ2 ACT-00080H w/ HSS

Pen-Type Deburring Tool

- With Pocket Clip
- Material: SUJ2 , H.S.S
- Handle: Aluminum Steel



ACT-00081SS w/ 2pcs SUJ2 ACT-00081HS w/ HSS & SUJ2

Deburring Tool

- Quick-Replaceable
- With One Spare Blade
- Material: SUJ2 , H.S.S
- Handle: ABS



Air Conditioning Tools

冷媒工具



ACT-00042

2L Semi-Automatic Circulation Type A/C System Flush Machine Series CE

- By air pressure-no sparkles and safety.
- Use the air pressure to take away dirt inside the A/C pipe circuit.
- Double filter design, filter out dirt of inside tube and it is visible.
- The best design is the circulation of cleaner. Clean A/C system again and again.
- The leakage of the system can be easily detected by liquid pressure or air pressure.
- After Cleaning, the lives of the compressor and the cooling system can be effectively extended. This maintenance procedure is highly recommended.
- Match ACT-00044 cleaner with ACT-00043 Universal Connector to achieve high efficiency.
- It is very easy to operate.
- Used Pressure: 5~7 kg/cm²
- Machine Size: 450x340x900mm
- Power: Air Pressure



ACT-00041

2L Automatic Circulation Type A/C System Flush Machine Series CE

- The power comes from pneumatic motor or air pressure- no sparkles and safe.
- The air bubbles can be added to boost the cleaning effect, and the oil dirt and the mud inside the cooling pipes can be thoroughly removed.
- It is circulation of cleaning. It effectively removes and cleans the impurities inside the cooling pipes.
- The leakage of the system can be easily detected by liquid pressure or air pressure.
- After cleaning, the lives of the compressor and the cooling system can be effectively extended. It is useful for the maintenance.
- Driven by pneumatic motor pump.
- Automatic circulation wash, unlimited number of uses.
- A double filter design of filter net and 5μ filter can effectively filter the impurities after cleaning. It protects the machine, and prolongs the life of the machine.
- Used Pressure: 5~7 kg/cm²
- Machine Size: 450x340x900mm
- Discharge Style: Air Pressure



SA-60FA

Wet & Dry Separating Vacuum Cleaner (Environmental model)

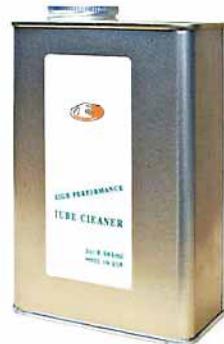
- One machine can work with two kinds of motive powers-either air pressure or motor-driven depends on the occasion.
- Not only can extracting the waste but also separating fluid and dirt at the same time.
- This product functions include vacuuming dust and metal shaving also extracting oil and CNC cutting Fluid. Dusts and shaved metal waste are suck out by high-speed motor, which has strong suction.
- The design of pressure tank discharges by air pressure, repeatedly extract and discharge oil and fluid to clean machines and flush oil grooves.
- Filter repeatedly leaches impurities of cutting fluid, to ensure the cutting precision and protect cutting tool.



ACT-00044

1L A/C Tube Cleaner

- Environment protective and strong cleaning power - no irritation to the nose, no harm to human body.
- Compatible to plastic and rubber, so they won't inflate. The leakage is effectively prevented after cleaning.
- It won't oxidize the metal, so the compressor and the air cooling pipes won't be damaged.
- The oil mud inside the cooling pipe can be thoroughly removed. Cleaning is achievable.
- After cleaning, the car owner will be satisfied. Both win the business.
- Gated SGS licence, without Heavy Metal.
- CAN Size : 115 x 65 x 170 mm
- Capacity : 1 liter / CAN



WHEEL TOOLS



Wheel Tools

345

Wheel Tools

輪胎修護工具



ATK-00003

Center-Lock Nut Socket for Porsche

- This tool is designed to remove or install center-lock wheel nuts on Porsche 997, 991, GT2 and GT3 models.
- Drive 3/4 Inch, tightening torque if necessary above 500 Nm.
- Not for use with impact ratchet or impact wrench.
- Material: Aluminum



Application:

- Porsche 991.997: 2012-2016
- Porsche 991.997: TURBO 2014-2016
- Porsche 991.997: GT3 2014-2016

AHT-7121

Master Wheel Hub And Bearing Remover and Installer Kit

- Specially designed to extract and install the Hubs and singular wheel bearings of spindle assemblies.
- Designed for FWD, RWD and AWD vehicles with independent suspension and a roller ball bearing



Applicable:

- RWD Mercedes, Porsche, BMW and some European vehicles.
- FWD VW, AUDI and some Asian vehicles.

AHT-00052A Series

Exlended Bar HGV Wheel Nut Wrench



AHT-00089K

Inner Bearing Race Puller Set

- Front End Service Tool Kit Ball Joint Separator Pitman Arm Tie Rod Puller.
- It's easy removal of the most popular types of pitman arms, tie rods, and ball joints.
- The press-type ball joint separator allows for ball joint removal without damage to boots and other parts that fork-type removers may cause.



Contents:

- 1PC Inner bearing race puller (AHT-00089A)
0 to 2-1/2" Jaw Spread, 3-1/4" Throat Depth
- 1PC Pitman arm puller (AHT-00089B)
1-11/32" Jaw spread, 2-1/2" Throat Depth
- 1PC Pitman arm puller (AHT-00089C)
1-1/8" Jaw spread, 2-1/8" Throat Depth
- 1PC Ball joint separator (AHT-00089D)
7/8" Jaw Spread, 2-1/4" Throat Depth
- 1PC Tie rod end remover (AHT-00089E)
3/4" Jaw Spread, 1-3/4" Throat Depth

ITEM NO	Ø Size	Size	Length	Material
	mm	mm	mm	
AHT-00052A-A		21 x 41		
AHT-00052A-B	25.4	21 x 38	400	#6140
AHT-00052A-C		26 x 33		
AHT-00052A-D	25.4	-	600	S45C
AHT-00052A-E		17 x 32		
AHT-00052A-F		17 x 35		
AHT-00052A-G	25.4	17 x 33	400	#6140
AHT-00052A-H		19 x 41		
AHT-00053A-I		20 x 38		



Wheel Tools

輪胎修護工具

AHT-00088

Cross Tire Torque Wrench

- Torque value: 85、103、108 & 138Nm
- Click type, clockwise only
- Accuracy: $\pm 4\%$
- Drive: 1/2"
- Material:
 - Torque bar: SAE1045
 - Drive bar: SAE4140
- Surface:
 - Body: Chrome plated
 - Handle: Matted finish



W34-1S/ W34-2S

1/2" DR. 4 Way Cross Wrench Lug Nut (Professional)

- Steel Tube :
 - 14", Matte / Poish Coating Finish Matte Finish / Chrom - Plating
- W34-1S: Hex Steel Rod : 1/2 " Dr. x OD 15 x L 390 (mm),
Hex Socket : 17 x 19 x 21 (mm)
- W34-2S: Hex Steel Rod : 1/2 " Dr. x OD 15 x L 415 (mm),
Hex Socket : 11/16 " x 3/4 " x 13/16 "



ITEM NO	Size	Length		H	N.W
		inch	inch	mm	mm
W34-1S	1/2"	15.3	390	30	1.24
W34-2S	1/2"	15.7	415	32	1.50

AHT-00091K

4 in 1 Lug Nut Wrench Set (3PCS)

- Cover 4 of the most common lug nut sizes in single flip socket
- Cross arm configuration allows fasteners to be quick spun
- Lug wrench can be used as both a traditional cross arm wrench or as a T-handle
- Use with Air Impact Wrench for bolt tightening
- Drive: 1/2" 17-19-21-22mm
- Material:
 - Socket: CR-V
 - Body: CR-V
 - Handle: Heat treatment
- Surface:
 - Socket: Matte finish/ Manganese phosphate
 - Body: Matte finish
 - Handle: Manganese phosphate



Contents:

- 1PC 4 IN 1 Socket
- 1PC Handle bar
- 1PC Drive bar

W36-1S / W36-2S

1/2 " DR. Knurled 4 Way Cross Wrench Universal Anti-Slip Lug Wrench

- Matte Finish or Poish Finish



W36-1S Contents:

- 2PCS Double End Hex Sockets: 17-19 mm, 21-23 mm (CR-V)
- 1PC 1/2" DR. Ball Extension Bar: 10" (CR-V)
- 1PC Knurled Extension Bar: L 400 mm (S45C)

W36-2S Contents:

- 2PCS Double End Hex Sockets: 11/16 " - 3/4 " ,13/16 " - 7/8" (CR-V)
- 1PC 1/2" DR. Ball Extension Bar: 10" (CR-V)
- 1PC Knurled Extension Bar: L 400 mm (S45C)

Wheel Tools

輪胎修護工具



AHT-00068

Special Wheel Nut Socket Set (22 PCS)

- Material: CR-MO Steel Chrome Finish
- Special For Anti-Theft Wheel Nut.
- This Set Will Fitclate Model VW Beetle, EOS, Jetta, Passat, Tiguan & Golf/ GTI's In The Production Years 2006-2011.



AHT-00067

Wheel Locking key Set For BMW (22 PCS)

- Material: CR-MO Steel
- Special Shape For Anti-Theft Lug Nut
- Suitable For BMW Type: E12, E21, E24, E28, E30, E31, E32, E34, E36, E38, E39, E46/16, E46/2, E46/3, E46/5, E46/C, E52, E53, E60, E61, E63, E64, E65, E66, E67, E83, E85, E87, R50, R52, R53.



AHT-00094K

Tesla Wheel Bolt Lock Socket Set (10PCS)

- Applicable For Installing And Removing Locks Of Tesla Series.
- This Tool Enables You To Permit Servicing Of Customer Vehicles, Even Customer Has Lost The Key.



Contents:

- 10PCS #76, #77, #78, #79, #80, #81, #82, #83, #84, #85.



AHT-00076

Wheel Bolt Lock Set For VW / AUDI (20 PCS)

- This Tool Enables You to Permit Servicing of Customer Vehicles, Even Customer Has Lost The Key.
- Applicable for Installing & Removing Locks of VW Series.
- Suitable for AUDI Vehicle
- VW OEM Number : T10133

Contents:

- #521, #522, #523, #524, #525, #526, #527, #528, #529, #530, #531, #532, #533, #534, #535, #536, #537, #538, #539, #540.



AHT-00096K

Universal Wheel Nut Extractor Set (12PCS)

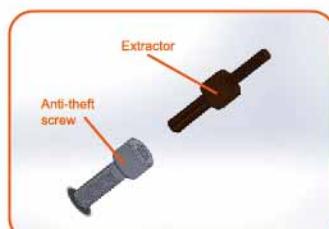
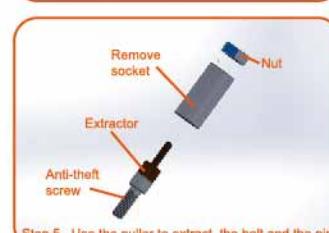
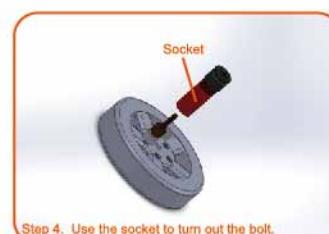
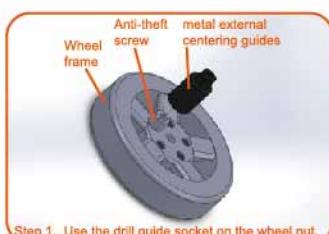
- Removes the most difficult locking lug nuts
- Professional kit: made of solid material that can work on the hardest lugs
- Very easy and quick to use: 4 to 8 minutes per wheel only
- UNIVERSAL: Works on all types of sockets from any brand ; Also works on all modern cars with oddly shaped lugs ; Also works on damaged lugs
- Material: CR-V

Contents:

- 1PC puller
- 1PC socket
- 4PCS extractor
- 2PCS special ultra hard drill
- 3PCS metal external centering guides
- 1PC metal centering guide for free turning lugs



PAT.





Wheel Tools

輪胎修護工具

AHT-00021

Tire Valve Cutting Pliers

- Use for cut valva stem form the wheel
- Overall Length: 230 mm
- Max Open Range: 18 mm



AHT-00073

Pneumatic Wheel Bearing & Tire Repair Set -PAT. (8 PCS)

- Designed to allow the use of an air hammer for wheel bearing & tire repair work of Motorcycle

Contents:

- 1PC 1/2" Driver Adapter
- 1PC Plug Insertion Needle
- 1PC Taper Punch
- 1PC Straight Chisel
- 1PC Drift Punch
- 1PC T-Handle Spiral Probe
- 1PC Rubber Strips
- 1PC Mini Air Hammer (SA7145)
- 1PC Blow Molded Case



AHT-00015

Tire Thread Depth Gauge

- Body : Plastic ABS
- Body Size : 128 x 25 mm , Weight: 28 g
- Accurate measurement of tread 1-26mm in 1mm Increments (1.6mm mark) Easy to read.
- Measures from 1/32nd to 32/32nds ,0MM to 25 MM
- Battery : 3.0V <LR41 X 2>



AHT-00080

Wheel Stud Pilot Pin Set

- To Easily Remove & Install the Wheel on Many Vehicles.
- The Wheel Stud Pilot Pin Allows You to Hang the Wheel Without Having to Balance the Wheel on the Small Lip of the Hub.



Contents:

- 1PCS M12 x P1.25 / M12 x P1.5
- 1PCS M14 x P1.25 / M14 x P1.5

AHT-00064

Blue Valve Core Screwdriver

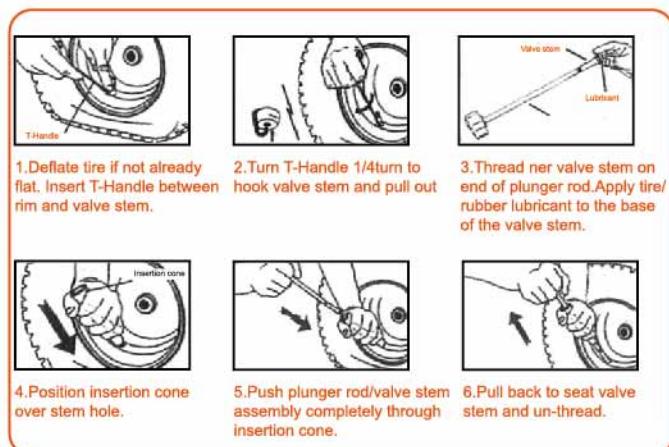
- The valve core will not drop, it will fix in the front when take out and move.(No Magnet)
- Handle: PP / Stainless Spring
- Bar: 1144 Free Cutting Carbon/ Stainless Ball
- AHT-00064-135: Material:Zinc , Size: 135 mm
- AHT-00064-195: Material:Zinc , Size: 195 mm
- AHT-00064-235: Material:Zinc , Size: 235 mm
- AHT-00064-300: Material: Nickel , Size: 300 mm



AHT-00059

Tyre Valve Tool Kit For Removal/ Installation

- For use with 453 valve stems only.
- Not to be used with 5/8" valve stems.
- Not to be used on tires TPMS-Tire Pressure Mounting System.
- Valve stems not included.



Wheel Tools

輪胎修護工具



AHT-00062

On Car Brake Disc Measurement Gauge

- Design to measure the thickness of the brake with the wheel still on the vehicle.
- Time saver without needing to removing the wheels or strip the brake first.
- Must be used with vernier caliper.



AHT-00024

Wheel Stud Installer / Wheel Internal Thread Tools-BEZN (13 PCS)

- Wheel Stud Installer Kits
Self-centering to insure that the stud is installed at the correct angle. Kits include a bearing seat and nut.
- Will not damage wheel stud threads Automotive kit.
- Sizes: 7/16"×20 UNF, 1/2"-20 UNF, M12×1.25, M12×1.50 and M12×1.75 and M14×1.5.
- Wheel Internal Thread Kit
- Sizes: M12×1.25mm, M12x1.5mm, M12x1.75mm, M14x1.5mm.
- Application: Mercedes-Bezn Models.



AHT-00020

Brake Disc Run-Out Kit

- Quickly and easily for check for ball joint wear and brake disc runout.
- The pliers may facilitate the clamp and enables tdi to be possible to use in various angles.
- Kit includes metric calibrated dti gauge.



AHT-00070

Brake Pedal Locking Device

- Ideally suited to setting the brake pedal in the desired position.
- For obstructing the seat or the steering wheel.
- Allows for a constant brake pressure over a long time thanks to internal springs.
- Ideally used when testing the tightness on hydraulic braking systems, testing and adjusting brake force regulators or brake force limiters.



AHT-00025

Wheel Internal Thread Kit (4 PCS)

- For use on vehicles that use wheel bolts.
- Application:
M12×1.25 For PSA.
M12×1.5 For Mercedes Benz and BMW, M12×1.75 For Volvo, M14×1.5 For VAG models.



AHT-00026

Torque Screwdriver Set (12 PCS)

Contents:

- 9PCS 25mmL Bits S2
- 1PC Mini Torque Screwdriver
- 1PC T-Bar For Adjust The Torque1-8Nm
- 1PC 1/4"Dr. 6mm Socket





Wheel Tools

輪胎修護工具

AHT-00095

Tire Valve Installer

- Designed for snap-in valve stems
- Screws onto the tire valve threads and is used as a lever to pull the valve into the rim
- Pivoting head is always at the proper angle
- Polymer guard protects the rim
- Overall length: 315mm
- Weight: 0.24kg



AHT-00071

Red Plastic General Screwdriver No-Lock On

- Valve core remover without lock-on
- AHT-00071-135: Material: Zinc, Size: 135mm
- AHT-00071-195: Material: Zinc, Size: 195mm



AHT-00057

Valve Screwdriver

- Double sided usably for short and/or long valves.
- Also suitable for use as a socket cap driver.
- Cars, commercial vehicles and construction machines.



AHT-00056

Snap In Tire Valve Installer

- Steel constructed tool W/ deep threaded head for positive sealing of all snap-in type passenger car tire valve stems.



Step 1

Remove any rust and burrs from around the valve hole

Step 2

Look at Figure 1. Do lubricate standard snap-in valves (see valve 5A) with a rubber lubricant approved by the tire manufacturer. DO NOT lubricate high pressure snap-in valves (see valve 5B).

Step 3

Use an appropriate installation tool to install the snap-in valve into the rim hole until the indicator ring (as noted in Figure 1) clears the weather side of the rim.



Figures 2 and Figures 3 show a tire service professional properly installing the snap-in valve using the composite tool on an alloy wheel.

Step 4

Inspect valve for tearing or other damage that may have occurred during installation

Step 5

If the valve was damaged during installation, remove it and replace it with a new valve. Damage is an indication the rim hole needs deburring. The return to Step 1.

AHT-00093

5 In 1 Wheel Balancing Weight Pliers

- The Special Design Of Patent Of Pliers Jaw Used For Two Type Wheel Balance Weights, Stick-On Wheel Weights And Clip-On Wheel Weights.
- From The Other Side Of Pliers Jaw, Include Special Hammer For Wheel Weights, For Stick-On Wheel Weights, Please Used It With Plastic Cover To Avoid Damage The Rim, For Clip-On Wheel Weights, Please Removal Plastic Cover From Hammer Head.



Wheel Tools

輪胎修護工具



AHT-00038

Tire Repair Kit

Contents:

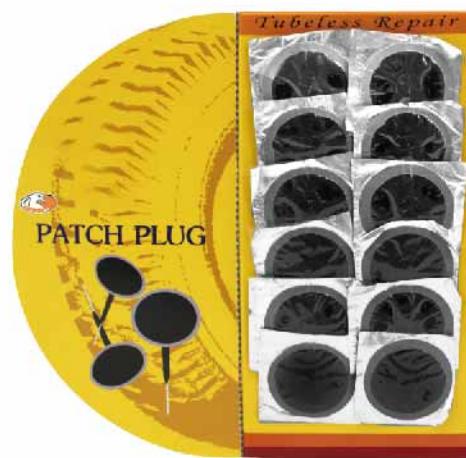
- 5PCS 4" Tire Seal
- 1PC T-Handle Disclosed Tire Repair Tool
- 1PC 8mL Glue
- 1PC Knife



AHT-00040/ AHT-00040S

Patch Plug (48 PCS)

- AHT-00040: DIA.50*7MM/PC
- AHT-00040S: DIA.34*6MM/PC



AHT-00042

Tire Repair Kit

Contents:

- 5PCS 4" Tire Seal
- 2PCS T-Handle Disclosed Tire Repair Tool
- 1PC Knife
- 1PC 8mL Glue
- 1PC Buffer & Roller Tool
- 5PCS Plug
- 8PCS Cold Patch Dia.34mm (2PCS), 32x50mm (2PCS), Dia.42mm, Dia.50mm, Dia.75mm, 38x75mm
- 1PC Instruction



AHT-00043

Tire Repair Kit

Contents:

- 5PCS 4" Tire Seal
- 1PC T-Handle Disclosed Tire Repair Tool
- 7PCS 16G CO₂ Cartridge
- 1PC CO₂ Regulator
- 1PC Extension Hole With E/A Adaptor
- 1PC Insulator
- 1PC 8mL Glue
- 1PC Knife
- 2PCS Instruction





Wheel Tools

輪胎修護工具

AHT-P20AL 20L

AHT-P40AL 35L

Bead Seater (Tabb Gun)

- Material: Aluminum
- AHT-P20AL: Tank cap 20 Liter ; N.W.: 6 KG
- AHT-P40AL: Tank cap 35 Liter ; N.W.: 8.7 KG



AHT-P20AL / AHT-P40AL

AHT-P6A 6L

AHT-P9A 9L

AHT-P12A 12L

AHT-P20A 20L

Bead Seater (Tabb Gun)

- Material: Steel
- AHT-P6A: Tank cap 6 Liter ; N.W.: 5.5 KG
- AHT-P9A: Tank cap 9 Liter ; N.W.: 6.7 KG
- AHT-P12A: Tank cap 12 Liter ; N.W.: 7.4 KG
- AHT-P20A: Tank cap 20 Liter ; N.W.: 13.8 KG



AHT-P6A



AHT-P12A



AHT-P9A



AHT-P20A

Wheel Tools

輪胎修護工具



AHT-00030

TPMS Tool Set-Tire Pressure Monitoring System (8 PCS)

Contents:

- 1PC 1/4"DR.Torque Screwdriver, Square Head, Torque: 4.0 ~ 9.0 Nm.
- 3PCS 1/4"DR. Deep Sockets, Sizes: 11, 12 ,14 mm
- 1PC 1/4"DR. Bit Sockets,Sizes: T-20
- 1PC 1/4"DR. Sliding T-bar, 115 mm
- 1PC Torque Value Screwdriver: 0.4 Nm
- 1PC Double Open End Wrench, 10x13 mm

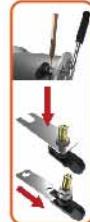


AHT-00028

TPMS Tool Assortment (11 PCS)

Contents:

- 1PC Torque Wrench 2-14 Nm
- 1PC Torque Tool For Valve And Sensor Assembly 0.5-3.5 Nm
- 1PC Bit Holder 150mm
- 2PCS Socket 11&12mm
- 3PCS Bit Socket T10 ,T15, T20
- 1PC Tire Valve Removal Tool
- 2PCS Valve Inserting Tool Torque 0.25 & 0.4Nm



AHT-00033 In-Lb/ Nm

TPMS Tool Set (11 PCS)

Contents:

- 1PC Torque Wrench:1/4", 36T, 2~10Nm/ 22~93 In-Lb, TPR Handle (Matt)
- 1PC Torque Screwdriver: 6.35mm, 0.1~1.2 Nm/In-Lb
- 3PCS Valve Core Bit T10, T15, T20
- 2PCS 1/4" Deep Socket 11,12 mm
- 1PC 1/4" Bit Holder 100 L
- 1PC 1/4" Socket Adapter
- 1PC Grommet Removal Tool
- 1PC 2mm Pin Punch 115 L



AHT-00036 In-Lb/ Nm

TPMS Tool Set (11 PCS)

Contents:

- 1PC Torque Wrench: 1/4", 24T, 2~10 Nm/ 22~93 In-Lb, ABS Handle (Matt)
- 1PC Window Torque Screwdriver: 6.35 mm, 0.05~1.4 Nm/In-Lb
- 3PCS Valve Core Bit T10, T15, T20
- 2PCS 1/4" Deep Socket 11,12 mm
- 1PC 1/4" Bit Holder 100 L
- 1PC 1/4" Socket Adapter
- 1PC 1/4" Socket 6PT 6 mm
- 1PC 1/4" Sliding T-Handle
- 1PC Grommet Removal Tool
- 1PC 2mm Pin Punch 115 L





Wheel Tools

輪胎修護工具

AHT-00053

Wheel Balancer

- Input Voltage: Single Phase 220 V 2 HP (60 Hz)
- Weight (Without Accessories): 100 kg.
- It can handle wheels from: 0-17 cm
- Max. wheel diameter: 10"- 24"
- Max. wheel width: 1.5"- 20"
- Measurement time: 6 Sec
- Max. wheel weight: 65 kg.
- Wheel balancing speed: 200 RPM
- Readout accuracy: 1 gr.
- Dimension(LxWxH): 980x1230x1100 mm



AHT-00077

Tyre Transport Dolly

- Size: 640 x 640 x 175 mm



AHT-00054

AHT-00054E (Economy Type)

Wheel Balancer

- Bead Breaker Cylinder Power: 2700 kg
- Working Pressure: 8 - 8.5 kg
- 1-Phase Electric Motor: 230V 550/ 60Hz 1Hp
- Max Wheel Diameter: 1000 mm
- Max Wheel Width: 320 mm
- It handles Wheels From: 10"- 22"
- External Clamping: 10"- 20"
- Internal Clamping: 12"- 22"
- Net Weight: 205 kg
- Dimensions(LxWxH): 1050 x 980 x 1080 mm



AHT-00055

Nitrogen Inflator

- Operation Safety :
 - (1) Inert gas will not cause puncture due to change of temperature.
 - (2) It changes less and the pressure of tires will be stable.
- Environment Compare:
 - (1) Increase the life of tires and decrease the produce of abandoned tires.
 - (2) Fuel decrease and energy saving
- Cost Saving :
 - (1) Increase the life of tires and wheel rims. There are water and oil in common gas, so it will increase aging of tires and rustiness of wheel rims.
 - (2) Nitrogen can decrease friction and save fuel cost.
- Performance of automatics:
 - (1) It decreases vibrating and increase stable when driving on lumpy roads.
 - (2) It avoids noise from tires.



PULLER TOOLS



Puller Tools

356



Puller Tools

拔套工具

HP-00059

Universal Thread Restoring File

- The universal thread restoring file is designed to renew all 60° machine screw
- Fractional, metric, npt and nps pipe thread sizes of any diameter.
- It will restore right or left hand threads
- Thread Angle: 60°
- Length: 9" x 7/8" x 1/8"



HP-00055

Petrol Injector Puller (Bosch - GDI)

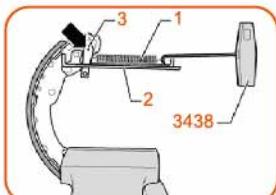
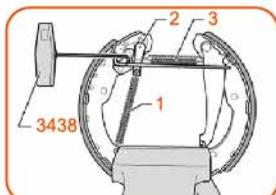
- Pulls Bosch GDI petrol injector straight out, without damaging the injector or head.
- The 2PCS jaw design with slide lock easily accesses and grips recessed injector.
- Works on Ford GTDI EcoBoost engine from 1.0L to 3.7L. Also for GM SIDI Ecotec engine from 2009.
- Suitable for Bosch GDI Injectors found on many European, American and Asian vehicles.



HP-00054

Pull Hook Tool (VW / Mercedes)

- Used for installing and removing the handbrake return spring / removing dashboard trims.
- Suitable for VW Crafter from 2006, LT from 1996 and Mercedes passenger cars with rear disc brakes.



HP-00053

Piezo Diesel Injector Puller (Mercedes)

- For removing extreme seized diesel injector without removing the cylinder head.
- Suitable for Mercedes diesel engine OM651.



HP-00050

Guide Sleeve Puller

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



HP-00052

Ignition Coil Puller (VAG group)

- Used for removing "pencil-type" ignition coil on 1.0L / 1.0L TSI / TFSI – 1.2L TSI – 1.4L TSI / TFSI – 2.0L GTI engines.
- Suitable for engine codes (petrol): CJZB, CJZA, CBZB, CJZD, CYVB, CTHD, CTHA, CZCA, CZDB, CZDA, CMBA, CPVB, CPVA, CPCB, CHPA, CPTA, CAXA, CAVA, CAPB, CAVD, CXSA, CDGA, CXEA, CXSB, CKMA, CAVE, CHHB, CHHA, CCZB, CPGA, CHZB, CHYB, CHYA.



Puller Tools

拔套工具



HP-00039

Steering Wheel Puller Set

- Two Special Pullers in one Set Including one Flange Type Puller for Removal of Harmonic Balancers, Timing
- Gear & Other Parts With Two or Three Tapped Holes & Steering Wheel, Pulley & Flywheel Puller.



HP-00058K

Power Steering Pulley Puller

- Use with Model: Vehicles With Saginaw, Thompson, And Ford C111 And C2 Power Steering Pumps
- Application: This Tool Can Be Used For GM And Ford Power Steering Pump Pulley Remover/Installation
- Includes: Disconnect Tool, Bushing, Screw Set
- Screw Size: 5/8"-18UNF, 5/8"-18UNF, 3/8"-16UNC, 3/8"-16UNC x M6 - 1.25mm
- Bolt Circle Dia. (In.): 1-1/8, 1-1/4, 1-5/16, 1-3/8



HP-00057

Fast Fit Micro Puller

- Especially for quickly pulling small ball-bearings
- Can be used for: AC-machines, generators electronic pumps, impact tools, standard house holding machines, etc.
- Max. capacity: 1 ton.
- Spread: 19-45mm
- Reach: up to 73 mm deep



HP-00042

Universal Tool For Silent Blocks & Joint Bearings

- Enables safe & quick work in replacing silent blocks & joint bearings with Ø 40 - 71 mm.
- Very tight-fitting or corroded parts can be easily removed by the 17t hydraulic cylinder.
- Can be used to replace the ball joints with an additional press frame.
- Vital & basic tool set for chassis repair.



Contents:

- 1PC 17T Hydraulic Cylinder
- 2PCS Adapters
- 2PCS Long M10 & M14 Spindle With Nut (570 mm)
- 5PCS Press Sleeve Long: Ø 50mm, Ø 60 mm, Ø 68 mm, Ø 76 mm, Ø 80 mm
- 6PCS Press Sleeve Short: Ø 40 mm, Ø 50 mm, Ø 58 mm, Ø 66 mm, Ø 70 mm, Ø 80 mm

HP-00040

King Pin Puller Set (20Ton Hydraulic)

- The tool delivers 20 tons of hydraulic force to push out stubborn king pins on large trucks with king pin diameters up to 1-1/4".
- Also able to remove the brake shoe anchor pins on trucks.
- Has wide side arm construction & three pilots [7/8" (22 mm) x 4" - 7/8" (22 mm) x 6" - 7/8" (22 mm) x 8"] & two guide bushings 1-3/8" x 7/8" - 1-3/8" x 3-1/4" allow this unit to work on both straight & tapered kingpins.
- The removal of King Pins can now be done in minutes with relative ease & efficiency.
- Applicable in assembled truck front axle.



Contents:

- 1PC 20-Ton Hydraulic Cylinder Threaded Hole Size : 3/8" NPT - 18N / Stroke : 2"
- 1PC 4" - 12N & 3/4" - 16N (2) Yoke Adaptor
- 1PC Work Head
- 1PC Pilot Guide
- 1PC 1-1/2" Hex Pressure Screw 1-1/8" - 8N
- 1PC Pressure Screw 1-1/8" - 8N
- 1PC Included Centering Adaptor
- 1PC Expansion Plug
- 2PCS 3/4" - 16N (2) Yoke Post (2)
- 2PCS 3/4" - 16N (2) Post Nut (2)
- 2PCS 1/4" - 20N Clamp Screw (2)
- 2PCS 1-3/8" x 3-1/4" & 1-3/8" x 7/8" Bushing
- 3PCS 7/8" Diameter Pilots Length (22 mm) : 8" / 6" / 4"



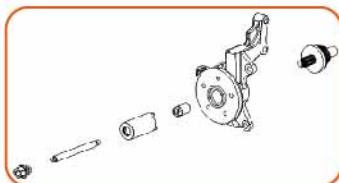
Puller Tools

拔套工具

HP-00056K

Drive Shaft Insertion Tool w/ 12 Adaptors

- These vehicles have strict tolerances between the drive shaft splines and the wheel hub, we must use special tools like CL-204 for assembly work.
- This insertion tool can be simple and quickly put the drive shaft fitted into the wheel hub.
- With wide application in various specifications for drive shaft.
- Mainly used for VW-Audi (Touareg etc.), Mercedes, BMW, Porsche (Cayenne etc.), Peugeot, Renault, Opel/Vauxhall, etc.



HP-00046B

Master Bearing Race & Seal Driver (Adjustable)

- All in one design, eliminating the need for a driver & several different heads.
- Can be used on most vehicles, including motorcycles.
- 3-stepped jaws quickly adjust to accommodate bearing races & seals from 9.5 mm ~ 50 mm.
- Step 1 : 9.5 mm ~ 23.5 mm (0.374" ~ 0.925")
- Step 2 : 23.5 mm ~ 36.5 mm (0.925" ~ 1.437")
- Step 3 : 36.5 mm ~ 50.0 mm (1.437" ~ 1.968")



Helps Reduce Damage to Both Race & Axle Housing



1. Loosen the screw & then turn the dial to expand the jaws.



2. The face of the jaws seat against the race or seal.



3. Tighten the screw



4. Place the race or seal in the mouth of the housing



5. Tap the driver handle to force the race or seal into place



6. Done.

Puller Tools

拔套工具



HP-00032/ HP-00033

Pole And Battery Terminal Puller- M10 x 40mm

- Optimally suited for the removal of small parts such as battery terminals, ball bearings, pulleys, sprockets, etc.
- Manageable and rugged design, with drop-forged hooks
- HP-00032: 3-jaw • HP-00033: 2-jaw • With T-bar



HP-00032



HP-00033

HP-00030/ HP-00034

Pole And Battery Terminal Puller- M10 x 80mm

- Optimally suited for the removal of small parts such as battery terminals, ball bearings, pulleys, sprockets, etc.
- Manageable and rugged design, with drop-forged hooks
- HP-00030: 3-jaw • HP-00034: 2-jaw • With T-bar



HP-00032



HP-00034

HP-00023/ HP-00024 Series

Puller

- Able to adjust the diameter of three claws quickly. Easy to operate. Can do the positioning on your own without external help.
- Gear-driven three claws design greatly reduced its size, and suitable for dismantling limited space.
- The three claws are forced evenly with great balance, which makes the dismantling more easily.
- The tensile strength of more than 1.5 tons.



HP-00023-30



HP-00023-55



HP-00023-63



HP-00023-100



HP-00024-55



HP-00024-100



ITEM NO	Claw Height	Claw Length	Scope of Use Ømm	Rally kg
	mm	mm		
HP-00023-30	30	8	65-135	1500 or more
HP-00023-55	55	8	65-135	1500 or more
HP-00023-63	63	8	26-94	1200 or more
HP-00023-100	100	8	65-135	1500 or more
HP-00024-55	55	8	125-180	1500 or more
HP-00024-100	100	8	25-180	1500 or more



Puller Tools

拔套工具

HP-00027

Wiper Puller

- Capacity: 0-30mm



HP-00028

Thin Type Two Jaws Braring Remover

- Special design for removing the bearing in narrow space.
- Working depth: 93mm
- Jaws thickness : 1.5mm
- Applicable bearing dimension: Ø30~90mm



HP-00043

Universal Tool For Silent Blocks & Joint Bearings

- Enables safe & quick work in replacing silent blocks & joint bearings with Ø 30 - 75 mm.
- Very tight-fitting or corroded parts can be easily removed by the 17T hydraulic cylinder.
- Can be used to replace the ball joints with an additional press frame.
- Vital & basic tool set for chassis repair.



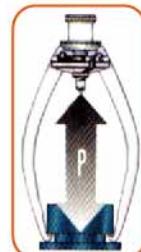
Contents:

- 2PCS Adapters
- 4PCS Long Spindle With Nut (570 mm) : M10, M12, M14, M16
- 10PCS Press Sleeve Short : Ø 30 mm ; Ø 40 mm ; Ø 46mm ; Ø 50 mm ; Ø 54 mm ; Ø 58 mm ; Ø 64 mm ; Ø 66 mm ; Ø 70 mm ; Ø 72 mm
- 10PCS Press Sleeve Long : Ø 44 mm ; Ø 50 mm ; Ø 56 mm ; Ø 62 mm ; Ø 66 mm ; Ø 70 mm ; Ø 74 mm ; Ø 78 mm ; Ø 82 mm ; Ø 84 mm

HP-00037

Outside Pullers

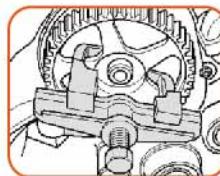
- C mix-max :12-140
- P(mm):145
- T(kn):3



HP-00035

Camshaft Drive Belt Pulley Puller

- Special puller designed to remove 5 and 6 spokes for camshaft pulleys.
- Works on VW/Skoda/Audi:
 - (1) 4 & 6 cylinder TDI engines, V6-V8 engines.
 - (2) 4-cylinder injection engine (2.0 liter FSI engine)



HP-00044

Hydraulic Press Tool Set For Volvo

- Enables safe & quick removal & installation of ball joints on suspension.
- Ball joints can be replaced directly on the car without dismounting the wishbone.
- For ball joint which is heavily corroded also can be replaced easily.
- Suitable for Volvo S40 / V40 front axle wishbone.



Contents:

- 1PC 17T Hydraulic Cylinder
- 1PC Press Frame
- 1PC Long Spindle (350 mm) : M20
- 2PCS Adapters
- 2PCS Press Sleeve Short : Ø 38 mm ; Ø 54 mm
- 2PCS Press Sleeve Long : Ø 50 mm ; Ø 54 mm

Puller Tools

拔套工具



HP-00045

Hydraulic Press Tool Set For Mercedes

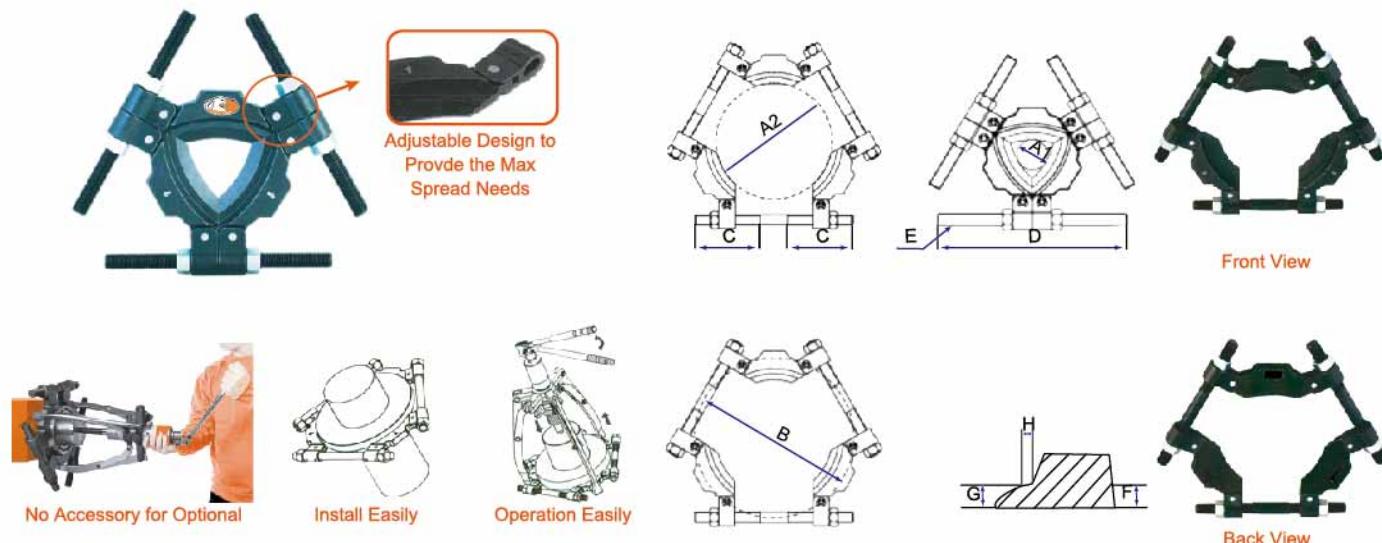
- The press tool set with hydraulic cylinder can remove & install suspension ball joints easily & quickly.
- Do not need to dismount the wishbone. / Time-saving & labour-saving.
- For : Mercedes W201 , W124 (E-class) , W211 (E-class) , W219 (CLS) , W220 (S-class) , W230 (SL) & W163 (ML-class) .



PM-3ET160/ PM-3ET210/ PM-3ET340/ PM-3ET495

Trisection Plate

- The Material of Each Main Parts are Made of Steel & Forged Manganese Alloy
- Easy Convenient & Safety of Disassemble Tool Accessory • Adjustable Screw Patent is for Accessory .
- It Baanced Three Parts & Contact of 3 Jaw Puller Design to Lower the Damage for Other Parts when you Disassemble .
- Three Sizes for Optional & Applied for The Max Diameter of Spindle Shaft from 26 - 495 mm.



ITEM NO	Capacity	Available Shaft Dia.		Spread	C	D	E	F	G	H	W	Application
	Ton	A1	A2	B								
PM-3ET160	6	26	160	216	105	240	5/8"-11 UNC	8	2	6.5	3.5	PM55/85
PM-3ET210	8	50	210	280	117	285	7/8"-14 UNF	10	2	9	5.5	PM105/125/155
PM-3ET340	20	90	340	460	117	430	1-1/4"-12 UNF	14	2	8	18	PM175
PM-3ET495	30	140	495	660	235	610	1-3/4"-12 UNF	20	2	12	45	-

OIL SERVICE TOOLS



Oil Service Tools

363

Oil Service Tools

油筒潤滑設備



AOT-00062

Digital Flow Meter

- In 1/2" PT x Out 1/2" PT



AOT-00065 1/8"-28"

AOT-00066 1/4"-28"

Grease Fitting Tool

- **AOT-00065:**

Designed for the 1/8"-28" thread used most of the cars. Socket openings 3/8" and 7/16" will take both straight and offset fittings. Also features spiral extractor and rethreader.

- **AOT-00066:**

Designed for the 1/4"-28" thread used most of the cars. Socket openings 5/16" and 3/8" will take both straight and offset fittings. Also features spiral extractor and rethreader.



AOT-00071

Flare Nut Wrench Set

Contents:

- 1PC Straight slot / with 10x11 6-point
- 1PC Straight slot / with 10x12 6-point
- 1PC Straight slot / with 12x14 6-point
- 1PC Straight slot / with 14x17 6-point



AOT-00049

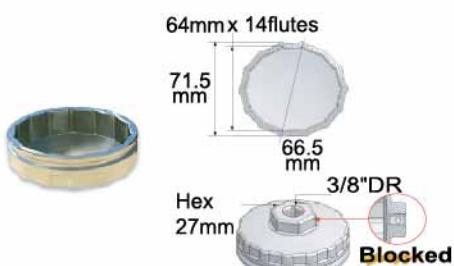
Magnetic Oil Drain Plier



AOT-00050

Honda Oil Drain Cup Set (3 PCS)

- Drain old and hot engine oil without danger.
- Pleasant oil changing works.





Oil Service Tools

油筒潤滑設備

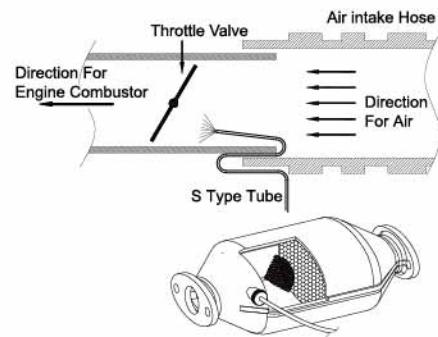
AOT-00089

3 IN 1 Carbon Washing Set (PAT.)

- Engine Combustor System
- Three - Way Catalytic Converter
- Engine Vacuum System

Specifications:

- A : Air Inlet & Control System
- B : Extract & Dispense Control System
- C : Tank
- D : S Type
- E : 0.5 M Nylon Hose
- F : Air Duster
- G : Washing 3-Way Catalytic Converter Adapter
- H : Nylon Flexible Tube
- I : 1 M Nylon Tube With Connect Adapter



INSTRUCTION & CONTENTS



AIR DUSTER



WASHING VACUUM SYSTEM ACCESSORIES



EXTENTION TUBE FOR EXTRACTION AFTER WASHING



WASHING 3-WAY CATALYTIC CONVERTER CARBON ACCESSORIES



CLEAN COMBUSTOR DUST AFFTER WASHING

AOT-1147K6 AOT-1147K12

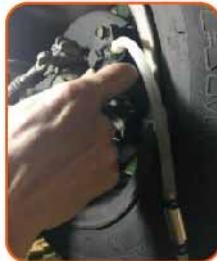
6P
12P

Brake Bleeder Wrench With Check Valve (8 PCS)

- Built-in wrench & socket into one convenient makes loosening & tightening easy.
- Ideal for bleeding brake system & hydraulic clutch system without removing the wheels.
- 1.2M silicon hose with check valve for safety operating.
- For universal bleeder nipples.
- High quality material internal seal for long life.

Contents:

- 7PCS Brake Bleeder Wrench: 7, 8, 9, 10, 11, 12 mm
- 1PC Brake Bleeder Hose



AOT-120K6 Series AOT-120K12 Series

6P
12P

Brake Bleeder Wrench

- Built-in wrench & socket into one convenient makes loosening & tightening easy.
- Ideal for bleeding brake system & hydraulic clutch system without removing the wheels.
- For universal bleeder nipples.
- High quality material internal seal for long life.



ITEM NO. (6 P)	ITEM NO. (12 P)	SIZE (mm)	Color
AOT-120K6-7	AOT-120K12-7	7	Green
AOT-120K6-8	AOT-120K12-8	8	Bule
AOT-120K6-9	AOT-120K12-9	9	Purple
AOT-120K6-10	AOT-120K12-10	10	Gold
AOT-120K6-11	AOT-120K12-11	11	Red
AOT-120K6-12	AOT-120K12-12	12	Orange
AOT-120K6-3/8"	AOT-120K12-3/8"	3/8"	Black

Oil Service Tools

油筒潤滑設備



AOT-00105

Oil Fluid Flask w/ Protective Cover & Telescopic Nozzle

- Acid and Alkali Resistant
- Material: PE
- Capacity: 5 Liters



AOT-00070

Measuring Jar With Lid

- AOT-00070E + AOT-00070D

AOT-00070D

Oil Fluid Flask

- Dimension: 280x195x400 mm
- Weight: 0.56kg
- Capacity: 5.5L



AOT-00070E

AOT-00070D

AOT-00070E

Multi-Function Measuring Jar

- Dimension: 275x230x430 mm
- Weight: 0.58kg
- Capacity: 5.5L



AOT-00067 Series

Oil Fluid Flask



AOT-00067-2BL
AOT-00067-4BL
AOT-00067-5BL
AOT-00067-6BL
AOT-00067-11BL



AOT-00067-2BS
AOT-00067-4BS
AOT-00067-5BS
AOT-00067-6BS
AOT-00067-11BS



AOT-00067-2WL
AOT-00067-4WL
AOT-00067-5WL
AOT-00067-6WL



AOT-00067-2WS
AOT-00067-4WS
AOT-00067-5WS
AOT-00067-6WS



AOT-00067-11RL



AOT-00067-11RS

Model No.	Color	Model No.	Color	Capacity	Spout	Dimension (mm)	Weight (g)
AOT-00067-2BL	Blue	AOT-00067-2WL	White	2L	Long	149 x 119 x 310	200 - 220
AOT-00067-2BS		AOT-00067-2WS			Short		
AOT-00067-4BL	Blue	AOT-00067-4WL	White	4L	Long	192 x 157 x 362	340 - 380
AOT-00067-4BS		AOT-00067-4WS			Short		
AOT-00067-5BL	Blue	AOT-00067-5WL	White	5L	Long	209 x 166 x 379	430 - 470
AOT-00067-5BS		AOT-00067-5WS			Short		
AOT-00067-6BL	Blue	AOT-00067-6WL	White	6L	Long	221 x 175 x 396	480 - 540
AOT-00067-6BS		AOT-00067-6WS			Short		
AOT-00067-11BL	Blue	AOT-00067-11RL	Red	11L	Long	336 x 160 x 452	880 - 930
AOT-00067-11BS		AOT-00067-11RS			Short		



Oil Service Tools

油筒潤滑設備

AOT-00051

Universal Oil Funnel (2 PCS)

- The width of the clamp is automatically adjustable 28mm-74mm (1.1in-2.9in).
- The funnel has a thread that fits perfectly in the clamp.
- The funnel has a special transparent design in the lower chamber to see the passage of the oil.
- No need to hold the funnel with your hand when refilling the oil.



(Fig.1)



(Fig.2)



(Fig.3)



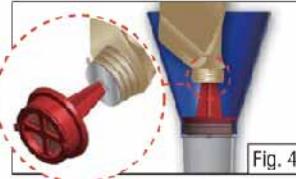
AOT-00076

Universal Oil Funnel Set (For Europe Cars)

- Screw - on type oil funnel prevents unsafe oil spills.
- Transparent lower chamber clearly shows oil flow process.
- Large oil passage allows oil to be refilled more rapidly.
- Includes adapters for most common European vehicles.
- Provided with a storage holder & a drain plate.



Part	Descriptions	Specifications
FN	Funnel	Thread: M51.5 x P1.25
FT	Chamber for Fiat	Thread: M33 x P3.5
FR	Chamber for Ford / Mazda	Thread: M33.5
HD	Chamber for Honda	Thread: M32 x P3.5
TY	Chamber for Toyota / Lexus	Thread: M37 x P3.0
EA	Extended Adapter	Threads : M32 x P3.5; 150 °Angle
VW	Adapter (Black)	Thread: M37 x P3.0; Clip: Ø1.3" / Ø 34 mm
RA	Adapter (Red)	Thread: M37 x P3.0; Clip: Ø1.2" / Ø30 mm
SB	Adapter (Yellow)	Thread: M42 x P4.5
PC	Bottle Piercer	Filter: 20 mesh, Height: 2.9" / 74 mm



Oil Service Tools

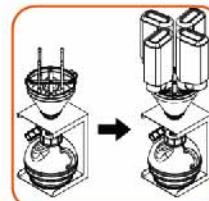
油筒潤滑設備



AOT-00072

Residual Fluid Collector

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



AOT-00073

Drum Drain Basin- For 20L / 30L Drum

- Plastic basin installed on drum for receiving waste oil.
- Intended to be installed at a standard barrel, the drain lid marries with the barrel inlet allowing simple & efficient draining of waste oil from filters etc.
- Manufactured from chemical resistant high density polyethylene with UV stabilizer.
- Features ribbed drainage channels & a filter gate to catch foreign objects.
- Size: 350 x 345 x 130 mm
- Capacity: 3L
- Weight: 0.5Kg
- Material: PP



AOT-00077

Oil Drain Pan Stand For 8L or 16L

- Size : L x W x H :
60 x 60 x 103 - 157 mm
- Capacity : 200 lbs



AOT-00074

Drum Drain Basin - For 200L Drum

- Plastic basin installed on drum for receiving waste oil.
- Intended to be installed at a standard barrel, the drain lid marries with the barrel inlet allowing simple & efficient draining of waste oil from filters etc.
- Manufactured from chemical resistant high density polyethylene with UV stabilizer.
- Features ribbed drainage channels & a filter gate to catch foreign objects.
- Size: 600 x 600 x 155 mm
- Capacity: 15L
- Weight: 1.7kg
- Material: PP



AOT-00078

Oil Drain Pan Stand For 8L or 16L

- Size : L x W x H :
60 x 60 x 33 mm
- Capacity : 200 lbs





Oil Service Tools

油筒潤滑設備

AOT-00068 Series

Waste Oil Receiving Pan



AOT-00068-P



AOT-00068-Q



AOT-00068-O



AOT-00068-K



AOT-00068-M



AOT-00068-N



AOT-00068-R

Model No.	Color	Capacity	Dimension	Weight
		L	mm	g
AOT-00068-K	Black	3.5	410 x 330 x 100	260 - 300
AOT-00068-M	Black	8	502 x 400 x 132	520 - 560
AOT-00068-N	Black	16	582 x 472 x 156	920 - 980
AOT-00068-O	Black	2	380 x 212 x 73	240 - 270
AOT-00068-P	Black	3	316 x 246 x 156	380 - 400
AOT-00068-Q	Black	5	416 x 280 x 157	520 - 580
AOT-00068-R	Black	18	681 x 570 x 130	890 - 950

AOT-00069 Series

Waste Oil Storager



AOT-00069-4



AOT-00069-6



AOT-00069-8



AOT-00069-10



AOT-00069-17



AOT-00069-44

Model No.	Color	Capacity	Dimension	Weight
		L	mm	g
AOT-00069-4	Black	4	427 x 292 x 100	530 - 570
AOT-00069-6	Black	6	427 x 292 x 126	600 - 670
AOT-00069-8	Black	8	568 x 320 x 112	860 - 900
AOT-00069-10	Black	10	567 x 321 x 126	950 - 1050
AOT-00069-17	Black	17	671 x 380 x 138	1560 - 1620
AOT-00069-44	Black	44	885 x 495 x 188	3300 - 3360

Oil Service Tools

油筒潤滑設備



AOT-00059

12L Vacuum Type Oil Extracting Machine w/ Tank

- Oil is extracted by the vacuum ejector, saving the troubles of repairing the pump or the motor. Cleaning the filter net is unnecessary, either. Oil can be directly extracted without a lifter.
- It is suitable for all the vehicles either with or without an oil-draining hole under the chassis. The operation is easy and fast.
- It can be used to extract a variety of lubricants, gear oil, engine oil, gasoline, diesel oil, water and neutral liquid. There are few limitations to extract the liquid.
- Optional accessories (Suction tube E & drop oiler) are available to replace brake fluid.
- Use the vacuum ejector to extract oil by air pressure. It can store pressure and extract or drain oil at any place.
- Capacity: 12L
- Used Pressure: 5~7 kg/cm²
- Machine Size: 285x250x860 mm
- Discharge Style: Air Pressure



AOT-00058

80L Oil Extracting & Draining Machine w/Tank & Oil Cup

- Perform dual functions-oil extracting and draining.
- Oil is extracted by the vacuum ejector; it saves the troubles of repairing the pump or the motor.
- It can be used to pump a variety of lubricants, gear oil, engine oil, gasoline, diesel oil, water and neutral liquid. There are some limitations to extract the liquid.
- A 520mm, extra large draining bowl prevents waste oil from spilling. It saves the troubles of using conventional plastic draining bowls, which may be aged, fragile, or deformed.
- Applying the patented automatic retraction design, it is unnecessary to raise and hold down the draining bowl manually for capturing and draining the oil.
- Use a vacuum ejector to extract oil. Air pressure can be stored and used for draining oil.
- An optional accessory (N-shape pipe) can be installed to allow the machine to turn 360° for the convenience of extracting and draining oil. It is suitable for runway type lifters.
- Optional accessories are available to satisfy customers' special needs. Its usage can be diversified.
- One machine with two functions, saving work space and equipment expenditures.
- Patent No.88653 & No.89440
- Capacity: 80L
- Used Pressure: 5~7 kg/cm²
- Machine Size: 520x520x1145~1635mm
- Discharge Style: Air Pressure



AOT-00060-12

1/2" Oil Gun

AOT-00060-38

3/8" Oil Gun

25L Oil Filling Machine w/ Tank

- Enlarged, 45mm oil filler hole; easier to refill oil and with less chance to pollute the workspace.
- An oil dispensing gun is included as a standard component; easy to operate and control oil refilling rate.
- The compressed air intake valve contains a water dehumidifier, used to filter out water in the air.
- An electronic flow meter can be attached to measure the volume of the refilled oil. (Optional part)
- Compressed air can be stored and used for filling oil at any place.
- 12 liter compact design, can be operated conveniently without occupying a large workspace.
- Use air pressure to refill oil, raise the press to refill quickly and lower the pressure to slow down refilling.
- Capacity: 25L
- Used Pressure: 5~7 kg/cm²
- Machine Size: 320x320x930 mm
- Filling Style: Air Pressure/ Pneumatic



AOT-00061

80L Oil Filling Machine w/ Tank

- The replacement oil is vacuumed into the oil tank. No inconvenience of manual oil pouring, avoiding spill and pollution.
- Filling rates controlled by air pressure are easily adjustable. The variable rate oil refill gun is a standard accessory.
- Use vacuum and air pressure to extracting oil. Air pressure can be stored for extracting or filling oil at any place.
- Suitable for use in many applications, such as filling engine oil, lubricant, transmitting oil, gear oil, gasoline, diesel oil and neutral oil.
- Perfect for automotive service garage, either perform oil change on a number of vehicles simultaneously or filling large quantity of fluid in one vehicle.
- An electronic flow meter can be attached to measure the volume of the refilled oil. (Optional accessory)
- Use air pressure to fill oil. Oil refilling rates can be controlled by air pressure.
- Capacity: 80L
- Used Pressure: 5~7 kg/cm²
- Machine Size: 460x460x880mm
- Filling Style: Air Pressure/ Pneumatic





Oil Service Tools

油筒潤滑設備

AOT-00086 2L

Brake Fluid Changer Set

- Easy to operate & Carry.
- High Efficiency
- Automatic stop function.
- Time - Saving / Excellent Quality
- Worldwide Patented.
- Open & Close valve to control the extraction.

Content :

- Packaged Weight: 4 lbs (1.8 kgs)
- Size: 11" H x 8" W
- AOT-00086-1 (Bleeding tube)
- AOT-00086-2 (Refill Pot)
- US liquid Gallon: 0.5
- US liquid Quart: 2
- Imperial Gallon: 0.4
- Imperial Quart: 1.6
- Max. Operating Temperature: 100°C
- Working Pressure: 90 psi
- Air Inlet Size: 1/4" NPT



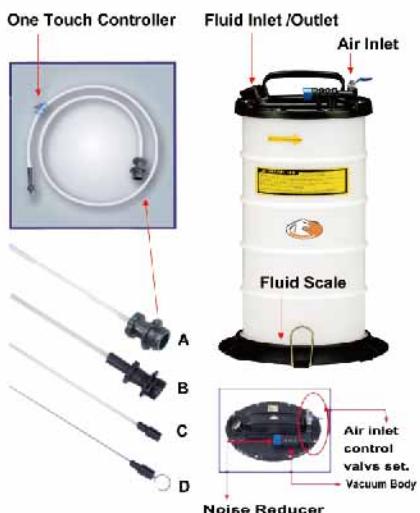
AOT-00093 9.5L

Pneumatic Fluid Extractor

- Non-Spark Fluid Extractor.
- Provide With New Vacuum System Design for Quick & Easy to Extract Fluid.
- Easy to Operate Suitable for Engine Oil, Gear Oil, Brake Fluid, Water.....
- Include 3 Kinds Nylon Tubes Can be Extracting any Non-Corrosive Fluids.
- Include 1.5 Meter Silicon Hose With one Touch Controller & Universal Rubber Adapter, Can Fits to Most Type Brake Fittings.
- Fixing Valve & Safety Cup for Automatic Cut-Off Extracting.

Standard Accessories:

- A : 4 x 8 Silicon hose x 1.5M
- B : 7.8 x 9.8 Nylon hose x 1M
- C : 5.3 x 6.7 Nylon hose x 1M
- D : 3.5 x 4.5 Nylon hose x 1M



* Fluid temperature range : 1°-95°C (35°-200°F)



AOT-00091 6.5L

Manual Operation Fluid Extractor w/ Tubes Organizer

- Three Air Outlet With Check Valve Design on Handle for Easy & Quick to Release Air Pressure From the Extractor.
- Easy to Operate Suitable for Engine Oil, Gear Oil, Brake Fluid, Coolant, Water...ETC.
- Provide With New Decompression Valve for Easy to Release the Negative Pressure.
- Fixing Valve & Safety Cup for Automatic Cut-Off Extracting.
- Non-Spark, Non-Power !! Fluid Extractor.
- Include 3 Kinds Nylon Tubes Can be Extracting & Non-Corrosive Fluid.

Standard Accessories:

- B : 7.8 x 9.8 Nylon hose
- C : 5.3 x 6.7 Nylon hose
- D : 4 x 6 Nylon hose



AOT-00094 6L

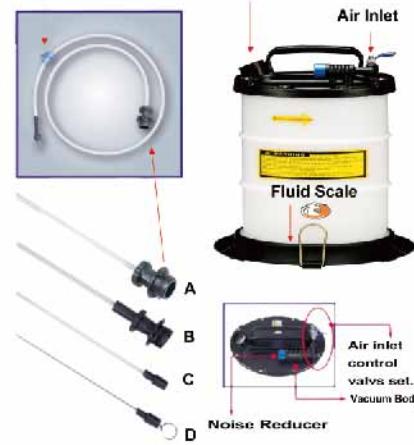
Pneumatic Fluid Extractor

- Non-Spark Fluid Extractor.
- Provide With New Vacuum System Design for Quick & Easy to Extract Fluid.
- Easy to Operate Suitable for Engine Oil, Gear Oil, Brake Fluid, Water.....
- Include 3 Kinds Nylon Tubes Can Be Extracting any Non-Corrosive Fluids.
- Include 1.5 Meter Silicon Hose With one Touch Controller & Universal Rubber Adapter, Can Fits to Most Type Brake Fittings.
- Fixing Valve & Safety Cup for Automatic Cut-Off Extracting.

Standard Accessories:

- A : 4 x 8 Silicon hose x 1.5M
- B : 7.8 x 9.8 Nylon hose x 1M
- C : 5.3 x 6.7 Nylon hose x 1M
- D : 3.5 x 4.5 Nylon hose x 1M

One Touch Controller Fluid Inlet /Outlet



* Fluid temperature range : 1°-95°C (35°-200°F)

Oil Service Tools

油筒潤滑設備



AUT-00080 15L

Manual Fluid Extractor

- Use for extracting all types of engines oil, transmission fluid and lubricants of cars, marine, stationary, motorbikes engines etc...
- Capacity: 15litre



AOT-00107K 3L

Brake Pressure Bleeder Set w/ Reservoir Bottle

- One-person operation on brake bleeding by pressurizing the brake system from master cylinder
- Efficient in pushing out debris from brake system
- 3-liter / 3.17-quart tank with a safety pressure relief valve
- Includes a standard European adapter with a swivel 90° fitting to tackle limited space
- One-way valve is fitted in the hose end connector to prevent unsafe brake fluid spills after disconnecting the hose from master cylinder
- Provided with a 1-liter / quart old brake fluid catch bottle



AOT-00108K 6L

6L Air Powered Fluid Extractor Set

- 6 liter / 1.5 gallon tank suitable for most fluid extraction
- Powerful vacuum to extract engine oil at working temperature in minutes
- Including one hose to extract engine oil, ATF, or coolant, and one hose for brake fluid with a brake bleeder valve adapter
- Conical adapter for pouring dirty fluid with no spills
- Flat tank base for feet to step on to prevent wobbling





Oil Service Tools

油筒潤滑設備

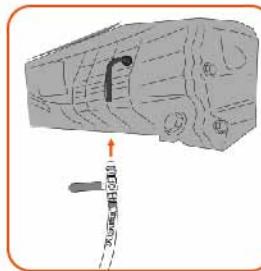
AOT-00109K 6L

Manual ATF Filling Set (21PCS)

- Tank with 6 liter / quarts capacity, suitable for most transmissions
 - Audi, Cadillac, Ford, GMD, Infiniti, Mercedes, Nissan, Toyota, Volkswagen, and Volvo
- Specially designed tank base for feet to step on to stabilize the tank while pumping
- Adapters in nylon 6-6 material provides lightweight but also durable features

Contents:

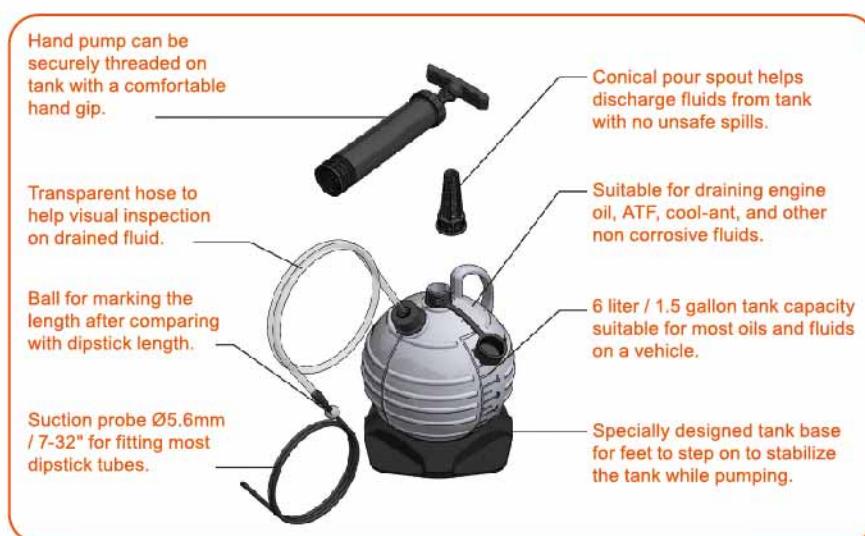
- 1PC AOT-00109
- 20PCS Adapters:
 - 1/8"-27(NPT) for Ford
 - 5/16"-24(UNF) for Volvo
 - M10 x 1.0 for VAG
 - Hook type-S for VAG
 - Hook type-M for VAG
 - Hook type-L for BMW, Honda, Nissan
 - M18 x 1.5 for Toyota
 - M24 x 1.5 for VAG with DSG
 - M22 x 1.5 for Audi with CVT
 - M12 x 1.5 for Mercedes 722.9
 - M18 x 1.5 for VAG
 - M30 x 1.5 for VAG
 - M8 x 1.0 for Nissan, Infiniti
 - M10 x 1.0 for Volkswagen
 - Flexible 300mm hose for Honda, Hyundai
 - M12 x 1.25 for Nissan
 - M14 x 1.5 for VAG
 - M10 x 1.5 for Nissan
 - M12 x 1.75 for Cadillac, Chevrolet
 - Ear clip type for Mercedes 725.0
- 1PC Blow Mold Case



AET-00693 6L

Fluid Extractor Set

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



Oil Service Tools

油筒潤滑設備



AOT-00063

Engine Dirt Cleaning Machine

(New) CE

- Simply Connected The Suction Tube With The Opening Of The Oil-Gaging Or Oil Drain Plug. Then Connected The Filling Tube To The Opening Of The Engine Oil Tank.
- One Machine Works With Double Functions- Both Ways Of Suction And Flushing.
- Simply Adjust The Air Pressure For The Best Result Of Flushing Effect.
- Flushing Process Can Be Done On Either Moving Engine Or Static Engine.
- Easy Connect Adaptor Set Fit On Any Types Of Cars.
- Used Pressure: 5~7 kg/cm²
- Machine Size: 520x520x850mm



AOT-00106

110V-220V

AOT-00106-12

12V

Brake Fluid Exchange Machine

- Machine helps brake fluid exchange efficient and easy
- Transparent front 2-liter tank makes brake fluid visible, LED lights included.
- Powered electrically - no air compressor required
- Light weight, easy to carry around
- Spare parts include Filler Cap, Reservoir Bottle & Oil Funnel

- A) Brake fluid fill line: 3.5 meter / 11.5 ft
- B) Fluid control valve
- C) Connector: to master cylinder adapter
- D) Purge nipple
- E) Handle
- F) Fill port: female threads M33 x 3.5
- G) Gauge: 0-7 bar / 0-100 psi
- H) Power button
- I) Activation button
- J) Pressure regulator
- K) Transparent tank: 2 liter
- L) Power Line 1.8 meter / 5.9 ft



AOT-00106



AOT-00106-12





Oil Service Tools

油筒潤滑設備

AOT-00101

Lever Barrel Pump

- Material: Zinc Alloy
- Bung Adapter: 2"
- Drum Size: 15/30/55 Gallon
- Max. Viscosity: 1000
- Capacity Per Stroke: 350 ml



AOT-00102

Lift Acting Drum Pump

- Material: Galvanized Iron Pipe
- Bung Adapter: 2"
- Drum Size: 55 Gallon
- Max. Viscosity: 1000
- Capacity Per Stroke: 100 ml



AOT-00100-C

Hand Rotary Oil Pump

- Material: Cast Iron
- Bung Adapter: 2"
- Drum Size: 55 Gallon
- Max. Viscosity: 2000
- Capacity Per Stroke: 240 ml



AOT-00103

Lever Barrel Pump

- Material: Plastic Steel
- Bung Adapter: 1-1/2" & 2"
- Drum Size: 15/30/55 Gallon
- Max. Viscosity: 1000
- Capacity Per Stroke: 350 ml



AOT-00100-S

Hand Rotary Oil Pump

- Material: Stainless Steel
- Bung Adapter: 2"
- Drum Size: 55 Gallon
- Max. Viscosity: 2000
- Capacity Per Stroke: 240 ml



AOT-00104

Lever Barrel Pump

- Material: Galvanized Iron Pipe
- Bung Adapter: 1-1/2" & 2"
- Drum Size: 15/30/55 Gallon
- Max. Viscosity: 1000
- Capacity Per Stroke: 350 ml



AOT-00100-P

Hand Rotary Oil Pump

- Material: Plastic Steel
- Bung Adapter: 2"
- Drum Size: 55 Gallon
- Max. Viscosity: 2000
- Capacity Per Stroke: 240 ml



Oil Service Tools

油筒潤滑設備



AOT-00096 w/ Digital Control Gun

AOT-00097 w/ Pro. Control Gun

AOT-00098 w/ Control Gun

50 Gal Gear Type Pneumatic Oil & Liquid Dispenser
(20 Circulation oil R68 25# Fillinf only need 20 Minutes!)

- Special for 50 Gal. Ad-Blue
- Idea for 50Gal.pneumatic gear type dispenser.
- Simple & easy to operation filling non-corrosive liquid.
- Pneumatic operational non-spark.
- Gear pump design for stable operate.
- Air Inlet : 1/4"
- Avg. Air Cons : 1.5 ~ 3.5C FM
- Working Pressure : 40~90 Psi
- Hose : 3/8" ID x 2M
- Oil No. : 0 ~120



Operational Example



W/Digital Control Gun



W/Pro. Control Gun



W/Control Gun



AOT-00087

Utility in & Out Fluid Syringe

- It can be used for any non-corrosive lubricants.
- The flow rate is adjustable.
- Connect different tubes for different functions.

Content:

- Capacity: 350 ml
- Size: 381 x 75 x 75 mm
- Oil Resistant tube
- OD Ø9.8 mm x L 300 mm
- OD Ø11 mm x L 300 mm
- Tube Plug x 1 Piece
- Net Weight: 0.48 kg



AOT-00088

Fluid syringe with Suction

- It can be used for any non-corrosive lubricants.
- Suck the liquid into the pot.
- The pot can be removed & connect any tube for extension use.

Content:

- Capacity: Syringe 350ml Pot 1L
- Size: 381 x 225 x 102 mm
- Oil resistant tube
- OD Ø13 mm x L 370 mm
- OD Ø15 mm x L 150 mm
- Tube plug
- Net Weight: 0.55 kg.



LED WORK LIGHTS



LED Work Lights

377

LED Work Lights

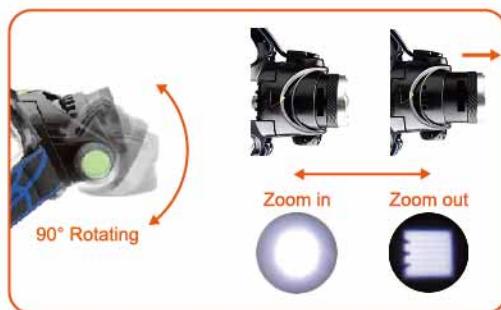
LED 工作燈



HL-00053

LED Headlamp

- Constructed of high quality aluminum alloy, making it durable and long lasting.
- Use the upgrade CREE-XML U3 LED chip, it is brighter than basic LED headlamp.
- Zoom function meet your different observation needs.
- IPX-4 Waterproof degree, it is ok to use in a rainy day.
- 3 different modes: High, normal and strobe mode.
- Lightweight: It easily fits in your purse, handbag or backpack.
- Adjustable elastic strap make it comfortable for wearing.
- For hiking, riding, climbing, camping, hunting, fishing, working.
- Battery: 2PCS x 18650 li-ion battery
- Main Bulb: CREE-XML U3 LED
- Brightness: 500 lumens
- Weight: 175g (no battery)



HL-00036

LED Headlamp

- 90° Rotatable Head: The headlamp Beam Angle could adjust up to 90 degrees with an easy up or down movement.
- Four Light Modes-High Beam, Low Beam, All Bright Beam & SOS Strobe.
- IPX-4 Waterproof degree, it is ok to use in a rainy day.
- Lightweight: It easily fits in your purse, handbag or backpack.
- Adjustable elastic strap make it comfortable for wearing.
- For hiking, riding, climbing, camping, hunting, fishing, working.
- Battery: 2PCS x 18650 li-ion battery
- Main Bulb: Middle T6 bulb + 2 Side XPE bulb
- Brightness: 300 lumens (Big), 80 lumens (Small)
- Weight: 340g (no battery)



HL-00034

LED Headlamp

- 90° Rotatable Head: The headlamp Beam Angle could adjust up to 90 degrees with an easy up or down movement.
- 3 modes: High/ Low/ Strobe.
- IPX-4 Waterproof degree, it is ok to use in a rainy day.
- Lightweight: It easily fits in your purse, handbag or backpack.
- Adjustable elastic strap make it comfortable for wearing.
- For hiking, riding, climbing, camping, hunting, fishing, working.
- Battery: 2PCS x 18650 li-ion battery
- Main Bulb: CREE-XML T6 LED
- Brightness: 200 lumens
- Weight: 175g (no battery)





LED Work Lights

LED 工作燈

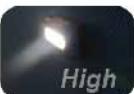
HL-9030

Multi-Functional Adjustable LED COB Headlight

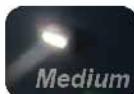
- High Quality
- Adjustable Headband Length
- Portable Headlight
- Soft Band and Lightweight
- IP 64 / 236 Lumen
- COB package - to achieve low thermal resistance of LED, high efficiency
- LED : 8W COB (chip on board.) LED
- Battery : 3 x AAA super heavy duty 1.5V dry batteries last up to 8 hours of non-stop use (included)
- Size : 9 (L) x 3 (W) x 4 (H) cm
- Max illumination : 236 lumen
- Storage temperature : - 20° C ~ 70° C
- Operation temperature : - 5° C ~ 50° C
- Led section : 120°
- Waterproof : IP 64
- Net Weight : 131.5 g



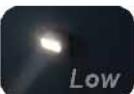
MODE:



High



Medium



Low

USAGE:

- Dimmer lumen switch.
- 360° Swivel clip with molded magnet for convenience to use.
- High strength magnet.

DIMMER LUMEN SWITCH



Cautions:

- For first time to use, please open the battery wrap to insert its direction correctly.
- When the light weak, please change to use new batteries.



HL-00035

LED Headlamp

- Cree LED light lasts more than 100,000 hours.
- 170m beam range with 150 lumen output.
- Lamp head swivels 90°, Lightweight adjustable headband.
- LED light features: High/Low setting, Fast strobe setting, Twist to zoom focus or expand.
- Powered by 3 AA batteries (not included).
- Battery: 3PCS x AA
- Main Bulb: CREE-XPE
- Brightness: 150 lumens
- Weight: 75g (no battery)



LED Work Lights

LED 工作燈



HL-00037

Rechargeable LED Flashlight

- SUPER-BRIGHT: 800-lumen (max) Cree LED sweeps bright light over the length 1000ft / 300m.
- Fully zoomable from wide to narrow beam.
- Features 5 adaptable settings: High / Low / Strobe.
- LONG-LASTING: Up to 3 hours (Medium-beam mode) of powerful.
- TOUGH & RELIABLE: IP65-rated water resistant and designed for use in heavy rain. Its durable aluminum body and shock-resistance endure rough handling.
- Drop proof 3.3 ft / 1m.
- Constant current design provides consistent light output when in use.
- Battery : 1PC x 18650 li-ion battery (3.7V 2200mAh included)
- Materials: Aluminum + glass • Main Bulb : Cree XML-T6 LED
- Light modes: High-Low-Flash • Brightness: 800 lumens
- 5V output/input • Weight: 165g • Length: 6"



HL-00038

Rechargeable LED Flashlight

- SUPER-BRIGHT: 800-lumen (max) Cree LED sweeps bright light over the length 660ft / 200m and reaches nearly 1000ft
- Fully zoomable from wide to narrow beam.
- Features 5 adaptable settings: High / Low / Strobe
- LONG-LASTING: Up to 3 hours (Medium-beam mode) of powerful.
- TOUGH & RELIABLE: IP65-rated water resistant and designed for use in heavy rain. Its durable aluminum body and shock-resistance endure rough handling.
- Constant current design provides consistent light output when in use
- Battery: 1PC x 18650 li-ion battery (3.7V 2200mAh included)
- Materials: Aluminum+glass • Main Bulb: CREE T6 LED
- Light modes: High-Low-Flash • Weight: 208g • Length: 7"
- Brightness: 800 lumens 5V output/ input



HL-00041

Magnet Telescopic Flexible Neck Pick Up Tool Flashlight

- Super bright flashlight beam
- Heavy duty magnet holds up to 5lbs
- Flexible and adjustable neck for hard to reach place
- Extends up to 22" ,Collapses to 6.7"
- Battery: 3PCS x LR41 button cells (battery included)
- Main Bulb: 3PCS 1W LED
- Brightness: 230 lumens
- Weight: 105g (no battery)
- Length: 6.7"



HL-00042

Multi Function Torch

- Super bright flashlight beam.
- Heavy duty magnet holds up to 5 lbs.
- Flexible and adjustable neck for hard to reach place.
- Extends up to 16", Collapses to 10".
- Aluminum handle.
- 3 Mode COB sidelight: White, Red & Red flashing light.
- Magnetic base allows torch to be attached to metallic surfaces.
- Battery: (On Head) with 3PCS LR44 button battery (Body) dual color COB bulb with 3PCS AAA battery (Battery not included)
- Main Bulb : 3PCS LED (On Head) 1PC 3W dual color (White + Red) COB LED
- Brightness: 150 lumens
- Weight: 177g (no battery)
- Length: 10"





LED Work Lights

LED 工作燈

HL-00027

1W Spot Color Check Light Ideal For Spot Inspection

- Full Aluminum / Hanging Clip.
- CRI : 95 / Colour Temperature: 4000K
- Power : 1W / LED Type : High CRI COB LED
- Lumen : 50 LM / Protection Degree : IP20
- Battery : 2AAA / 1.5V Alkaline (Not include)



HL-00039A w/ 3W LED 150 lm

HL-00039B w/ 3W LED 120 lm

HL-00039C w/ 3W LED 100 lm

Multi-Function LED Flashlight

- Material: Rubber coated + Aluminum + ABS
- Size:
 - HL-00039A: 203 x 55 x 55mm
 - HL-00039B: 165 x 43 x 43mm
 - HL-00039C: 145 x 43 x 43mm
- Weight:
 - HL-00039A: 270g
 - HL-00039B: 135g
 - HL-00039C: 127g
- LED:
 - With 1PC 3W LED (on head) + 1PC COB led (on side)
- IP66-rated water resistant
- Light Mode:
 - Head LED: Hi- Low -flash-Side
 - COB LED: Hi-Low-Off
- With hand strap and bottom magnet
- Battery Use:
 - HL-00039A with 2PCS D battery
 - HL-00039B with 2PCS AA battery
 - HL-00039C with 3PCS AAA battery



HL-00043

Battery LED Tube Light

- COB LED - 500 lumens (high), 250 lumens (low).
- SMD LED bulb top light offers an additional flashlight function - 50 lumens.
- Super strong magnetic base sticks to steel surfaces.
- Tough, impact resistant ergonomic housing.
- Constant current design provides consistent light output when in use.
- Battery: 3PCS AAA (not included)
- Main Bulb: CREE-XPE+COB
- 3 different modes: High, normal, low (White + Red)
- Brightness: 500 lumens
- Weight: 207g (no battery)
- Length: 7.6"



LED Work Lights

LED 工作燈



HL-00051

Rechargeable Multi-Function Hand Lamp

- Advanced COB technology
- Grip-Tech housing for assured grip and impact resistance
- Functions of floodlight, spotlight and camping/desk lamp
- Emergency Power-Supply Function With a USB power supply interface which can be used for charging small electronic devices
- The output voltage is DC 5V, the electric current is more than 500mA; Energy Storage Function-With an external charging input interface, 5V DC charging is viable
- LED indicators show battery level and charging status
- Battery: 2PCS x 18650 (3.7V 2400mah)
- Main Bulb: 1PC 5W XPG led (350lumens) on head + 1PC 3W Double-color (white/red) COB led on side
- LED modes:
 - Head LED light: Hi - Low - flash
 - Side COB LED white light: Hi - Low - red light -red flash-off
- Brightness: 350 lumens
- Weight: 345g
- Length: 6.9"



HL-00048

Rechargeable COB LED Work Lights

- 7 LIGHTING MODES & 360°ROTATION LIGHT HEAD:
 - 7 kind of lighting modes, including high/low/strobe (T6 LED light) + High/ Low/ Red Light/ Red Strobe (COB light).
 - Besides, the light head can rotate 360°, provide multi-angle illumination and meet your different lighting needs.
- MAGNETIC BASE:
 - With the powerful magnet design, the portable work flashlight can be firmly stick to car or any metal surface.
- WATER-RESISTANT & WIDE APPLICATION:
 - IPX4 waterproof design, but do not put it in water.
 - BESTSUN multi-functional work light is perfect for car repairing, emergency, camping, traveling, hiking, workshop, garage, power outages, home lighting, work at night etc.
- Light Bulb: 1 x COB +1 x LED
- Material: Durable aircraft-grade aluminum
- Battery Type:
 - 1PC 18650 rechargeable Battery (not included)
 - or 1PC 26650 rechargeable Battery (not included)
 - or 3PCS AAA Battery (not included)
- Lumen: can up to 500 lumen
- Switch Type: Push Button
- Water-resistant: IPX4 waterproof design, but do not put it in water.
- Product Weight: 156g (without battery)
- Length: 6.1"



HL-00040

Battery Multi-Tool Work Light

- Super-bright COB LED
- Built-in tools: scissors, knife, nail file, chisel, fish scaler, hook remover, can opener, bottle opener, saw (serrated knife), flat head screwdriver, Philips head screwdriver and double hexagon wrench
- Easy-to-use slider power switch
- Super strong magnetic base sticks to steel surfaces
- Tough, impact resistant ergonomic housing
- Battery: 3PCS AAA (not included)
- Main Bulb: 1PC 1W LED on head
- 1PC 3W red/white two-color COB LED on side
- 3 different modes:
 - 1W LED on - COB LED on - red COB LED flash off
- Brightness: 230 lumens
- Weight: 180g (no battery)
- Length: 6.6"





LED Work Lights

LED 工作燈

HL-00045

Battery COB LED Work Light

- Advanced COB technology
- Grip-Tech housing for assured grip and impact resistance
- IP65 dust/water ingress protection
- With a magnet and a hook on back
- Hideaway 360° rotating hook
- Battery: 4PCS AAA (not included)
- Main Bulb: 1PC 3W COB LED on side + 4PCS LED on head
- 2 different modes: 3W COB LED on-off, LED on-off
- Brightness: 180 lumens
- Weight: 85g (no battery)
- Length: 7.7"



HL-00044

Battery COB LED Work Light

- Advanced COB technology.
- Grip-Tech housing for assured grip and impact resistance.
- IP65 dust/water ingress protection.
- Belt clip with hideaway 360° rotating hook.
- With Rotatable support (180°), bottom with magnet.
- Battery: 4PCS AA (not included)
- Main Bulb: 1PC 1W LED on head + 1PC 5W COB led in side
- 3 different modes: COB 100% on - COB 50% on - 1w LED on-off
- Brightness: 300 lumens
- Weight: 120g (no battery)
- Length: 5.9"



HL-00046A

Battery COB LED Work Light

- Advanced COB technology.
- Grip-Tech housing for assured grip and impact resistance.
- IP65 dust/water ingress protection.
- With a magnet and a hook on back
- Hideaway 360° rotating hook
- Battery: 3PCS AAA (not included)
- Main Bulb: 1PC 3W COB LED on side + 1PC LED on head
- 2 different modes: 3w COB LED on-off ; LED on-off
- Brightness: 120 lumens
- Weight: 78g (no battery)
- Length: 6.2"



HL-00046B

Rechargeable COB LED Pocket Work Light

- Advanced COB technology.
- Grip-Tech housing for assured grip and impact resistance.
- IP65 dust/water ingress protection.
- Belt clip
- With Rotatable support (180°), bottom with magnet
- Battery: 18650 (3.7V 1500mah)
- Main Bulb: 1PC 1W LED (35 lumens) on head + 1PC 3W COB led in side (max 120 lumens)
- 3 different modes: Head LED on - COB 100% on - COB 50% on-off
- Brightness: 120 lumens
- Weight: 91g
- Length: 6.2"



LED Work Lights

LED 工作燈



HL-00050

Rechargeable COB LED Pocket Work Light

- Advanced COB technology.
- Grip-Tech housing for assured grip and impact resistance.
- IP65 dust/water ingress protection.
- Belt clip with hideaway 360° rotating hook.
- With Rotatable support (180°), bottom with magnet.
- Battery: Li-ion (4.2V 800mah)
- Main Bulb: COB LED
- 4 different modes: High, Low, Strobe & SOS
- Brightness: 120 lumens
- Weight: 280g
- Length: 4.7"



HL-00049

Rechargeable COB LED Work Light

- Advanced COB technology.
- Maximum 350lumens high work light setting.
- Up to 3 hour run time on high work light setting.
- Grip-Tech housing for assured grip and impact resistance.
- IP65 dust/water ingress protection.
- LED battery status display.
- With clip/Hook on back, Back with strong magnets.
- With Rotatable support (180°), bottom with magnet.
- Upper light Body Rotatable 300°.
- Battery: 18650 Li-ion (3.7V 2000mah)
- Main Bulb: Head-Cree XPE LED, Body: COB LED
- Brightness: 350 lumens
- Weight: 240g
- Length: 7.8"



HL-00047

LED Cordless Thin Light

- Ultra-thin design allows inspection in the tightest work areas
- COB LED - 500 lumens (high), 250 lumens (low)
- SMD LED bulb top light offers an additional flashlight function - 30 lumens
- Light head pivots 360° to direct light to the work area
- Super strong magnetic base sticks to steel surfaces
- Tough, impact resistant ergonomic housing
- Constant current design provides consistent light output when in use
- 3.7V, 2600mAh lithium-ion rechargeable battery for longer life and consistent power
- Run time: 2 hours (high), 4 hours (low)
- Battery: 3.7V, 2600mAh lithium-ion
- Main Bulb: COB+LED
- 2 different light modes: White / Red
- Brightness: 500 lumens
- Weight: 145g
- Length: 12"





LED Work Lights

LED 工作燈

HL-00022

15W Ultra LED COB Slim Light Adjustable Lumen Switch

- Micro Adjustment Lumen Switch
- Foldable Base With Powerful Magnet
- Swivel Hanging Hook
- In Charging -Red Indicator Light On. Charged Completed -Blue Indicator Light On.
- Low Battery -Yellow Indicator Light On.
- Comes With 5V 1A USB Charger & USB Cable .
- Li-Ion Rechargeable Battery: 3.7V 2200mAh
- Charger Input: AC100-240V 50/60Hz
- Power Output: 5.0V 1000mAh
- Charger Time: 3.5-4.0 Hours
- Active Time: 2.5 Hours (For Full Light) / 12 Hours (Semi Light)
- Storage Temperature: -20°C -70°C
- Operation Temperature: -5°C -50°C
- Size: 375(L)x 40(W)x 30(H) mm



HL-00031

Working Lamp

- Bottom with Strong Magnet
- LED Type : 27 +3 LED
- Battery : 3.7V / 2300 mah
- Charging Voltage : 100-240V (50/ 60Hz)
- Size: 57(L) x 53(W) x 300(H) mm
- Weight: 370 g
- Charger:
 - Input : 100 - 240V AC (50/ 60Hz)
 - Output : 5V DC / 500mA



HL-00033

2 In 1 LED Focus Adjustable Flashlight / COB Worklight

- Size: 230 (L) x 30(W) x 40(H) mm
- Weight: 145 g
- LED Max Power: 320 Lumens 8W COB LED + 3W Tip Light.
- Power Output: 5.0V 1000 mAh.
- Charger Time: 3.5 ~ 4.0 Hours.
- Active Time: Up to 3 Hours +.
- Storage Temperature: - 20°C to 70°C
- Operation Temperature: - 5°C to 50°C
- Charger Input : AC100 ~ 240V (50/ 60 Hz)



HL-00024

8W Portable Working Pen Light w/ Magnet Base

- Battery: 18650 Lithium Ion Battery
- Charger Time: 3.5-4.0 Hours
- (In Charging-Red Indicator Light on)
(Charged Completed-Indicator Light off)
- Active Time: 3 Hours (For full light) / 10 Hours (semi light)
- Light Shape: Wide Angle Working



LED Work Lights

LED 工作燈

HL-00021

5W Focus Adjustable Portable Working Light w/ Magnet Base

- Chip On Board(COB LED Package) / Flexible Bend
- Battery: 18650 Lithium Ion Battery
- Charger Time: 3.5-4.0 Hours (In Charging-Red Indicator Light On) (Charged Completed-Indicator Light Off)
- Active Time: 3 Hours (For Full Light) / 10 Hours (Semi Light)



HL-00023

8W Portable Slim Working Light w/ Magnet Base

- 20 Chip COB LED / Flexible Bend
- Battery: 18650 Lithium Ion Battery
- Charger Time: 3.5-4.0 Hours (In Charging-Red Indicator Light On) (Charged Completed-Indicator Light Off)
- Active Time: 3 Hours (For Full Light) / 10 Hours (Semi Light)
- Light Shape: Wide Angle Working



HL-00032-1

Dual White

HL-00032-2

White + Yellow

HL-00032-3

White + Purple U.V

HL-00032-4

White + Flash Light

LED COB Slim Work Light

- Size : 477(L) x 50(W) x 40(H) mm
- Weight : 295 g
- LED Max Power : 620 Lumens
- Charging Adaptor Output: 5.0V 2000 mAh.
- Charging Time: 3.5 hours.
- Active Time: 3 hours+.
- Storage Temperature: -20°C to 70°C
- Operation Temperature: -5°C to 50°C
- Charger Input : AC100 ~ 240V (50/ 60 Hz).



HL-00032-1 Dual White



HL-00032-2 White + Yellow

- 10W LED
- 1000 LUX White
- 950 LUX Yellow
- 1400 LUX Mix

HL-00032-3 White + Purple U.V

- 10W LED
- 1000 LUX

HL-00032-4 White + Flash Light

- 10W LED
- 170 LUX



All of The Above are Provided with Charging Indicator (Red Light When Charging , Blue Light When Full Capacity),
5V 2A USB Power Transformer is Used for The Power Transformer + USB CABLE

ITEM NO.	Light Color	Lumen	Color Temperature	Mixed Light	Applicability		Battery (mAh)	On / Off Switch
		(Lm)	(k)	(Lumen)				
HL-00032-1	Dual White	880	5200	-	Larger Area Irradiation		3350	Inching Switch
HL-00032-2	White	620	5200	700	Lighting & Coating Polishing the Lines (White + Yellow)	Hidden hook + Front End Small Magnet/ 360° Bottom Magnet Seat	3350	V
	Yellow	600	3000	700				
HL-00032-3	White	620	5200	-	Lighting + Refrigerant Penetration	3350	V	
	Purple U.V	4.882	-	-				
HL-00032-4	White	620	5200	-	Lighting + Warning	3350	V	
	Flash light	142	-	-				



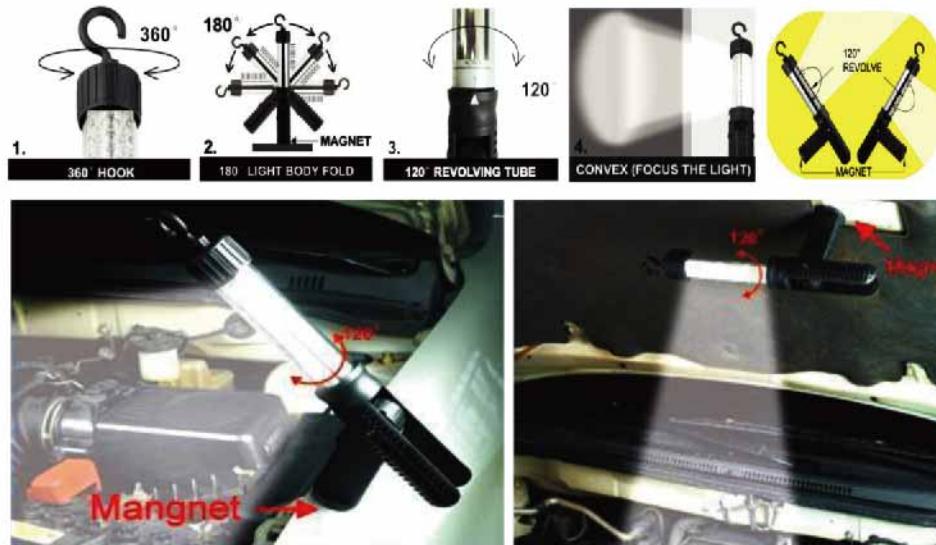
LED Work Lights

LED 工作燈

HL-00019

30 LED Work Light

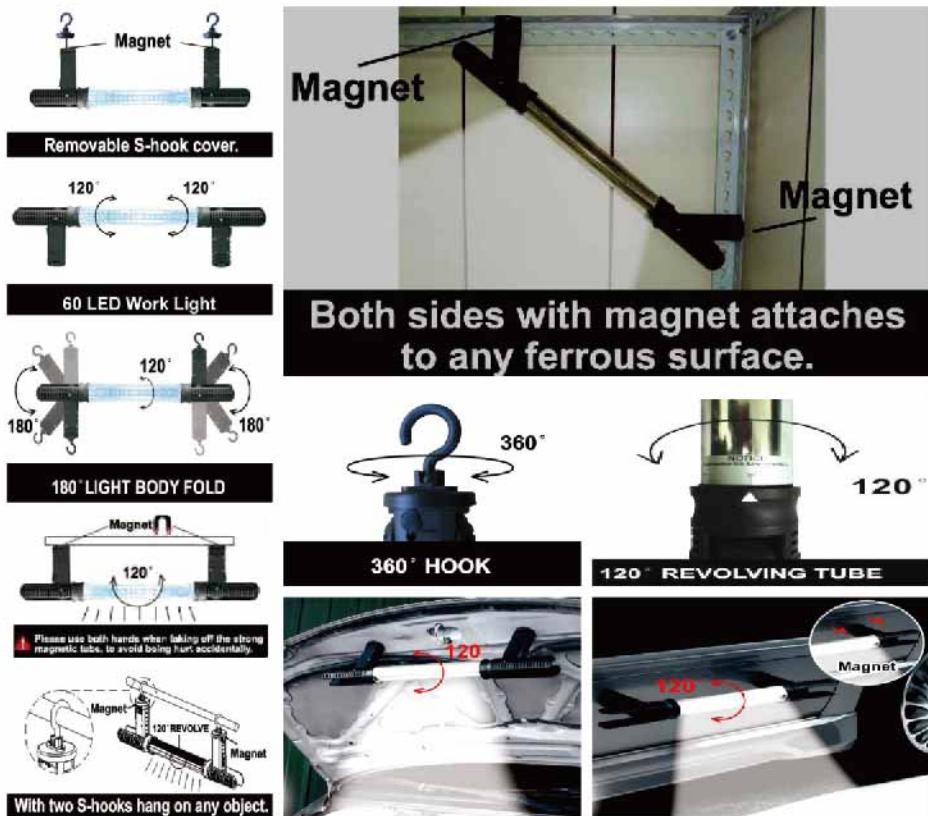
- Attaching its magnet, the light body could fold 180°.
- The lens is convex designed and could focus.
- Super bright LED bulbs & energy-saving.
- Portable for all lighting purposes.
- 360° revolving hook.
- 120° Revolving tube.
- Light could continuously burn for about 5 hours when full charged.
- Using the 2000mAh AA Nickel-Metal-Hydride battery. (4.8V).
- Plugs into 12V cigarette lighter.
- Transformer: Input: AC100/240V, Output: DC12V, 500 mA.



HL-00020

60 LED Work Light

- Super bright LED bulbs & energy-saving.
- Portable for all lighting purposes.
- Two sides with detachable S-hook.
- 180° Folding body & both sides with strong magnet.
- 120° revolving tube.
- The lens is convex designed and could focus.
- Light could continuously burn for about 3~4 hours when full charged.
- Using the 2000mAh AA Nickel-Metal-Hydride battery. (4.8V).
- Plugs into 12V cigarette lighter
- Transformer: Input: AC100/ 240V, Output: DC12V, 500 mA



LED Work Lights

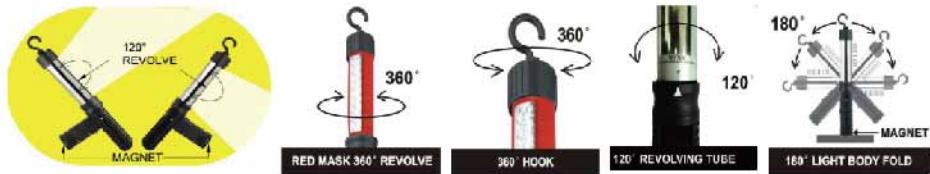
LED 工作燈



HL-00019FR

30 LED Warn Light/ Work Light

- Super bright LED bulbs & energy-saving.
- Portable for all lighting purposes.
- 360° Revolving red mask & S-hook.
- Attaching its magnet, the light body could fold 180°.
- 120° Revolving tube.
- The lens is convex designed and could focus.
- With 5-functions lamp which is strobe light, all on, slow flash, rapid flash & off.
- Using the 2000mAh AA Nickel Metal-Hydride battery. (4.8V)
- Plugs into 12V cigarette lighter
- Transformer: Input: AC100/240 V, Output: DC12V , 500 mA



IC control area with key switch in 5 parts.

① STROBE LIGHT	② STEADY ON	③ SLOW FLASH	④ RAPID FLASH	⑤ OFF
20hrs	7hrs	55hrs	60hrs	OFF

All sections tested by individually based on fully charged battery.
The working hours for reference only.



HL-00020FR

60 LED Warn Light/ Work Light

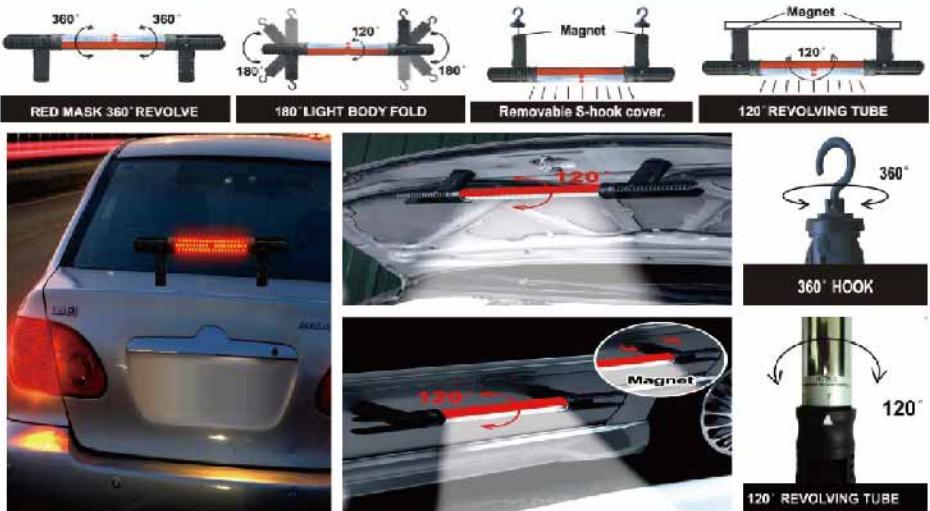
- Super bright LED bulbs & energy-saving.
- Portable for all lighting purposes.
- 360° Revolving red mask & S-hook.
- 180° Folding body & both sides with strong magnet.
- 120° Revolving tube.
- The lens is convex designed and could focus.
- With 5-functions lamp which is strobe light , all on, slow flash, rapid flash & off.
- Using the 2000 mAh AA Nickel-Metal-Hydride battery. (4.8V)
- Plugs into 12V cigarette lighter
- Transformer :Input : AC100/ 240V; Output : DC12V , 500 mA



IC control area with key switch in 5 parts.

① STROBE LIGHT	② STEADY ON	③ SLOW FLASH	④ RAPID FLASH	⑤ OFF
15hrs	4hrs	40hrs	50hrs	OFF

All sections tested by individually based on fully charged battery.
The working hours for reference only.





LED Work Lights

LED 工作燈

HL-00052

LED Rechargeable Under Hood Work Light

- Telescoping and ratcheting brackets allow for perfect positioning of light
- Padded ends on telescoping bracket for use on hoods or roofs from 48" (122cm) to 73" (185cm) wide
- Battery: 7.4V Li-ion 2000mAh
- Power requirements: 12V DC 500mAh
- Main Bulb: 120PCS SMD 3528 LED
- Brightness: 300 lumens
- Charging time: 6 hours
- Discharging time: 3 hours



HL-00018 / HL-00018N

3 LED Light With Magnet for Jack

- HL-00018N: w/o Plastic lenses.
- One sides could be extended to 162°.
- With strong magnet on the both sides, suit for metal flat and cylinder surface.
- Designed safety mirror for anti-crush and multiple purposes.
- Detachable mirror.
- The light could be adjusted according to users Requirements.
- Power: LR-44 battery x 3pcs.



HL-00018



HL-00018N



HL-00025 3W

HL-00026 5W

Color Match Light Ideal For Colour Matching & Identifying Body Imperfections

- Full Aluminum/ Arc Surface & Rubber Protection
- Full-Brightness/ Half-Brightness Switch
- Rechargeable/ Hanging Hook & Strong Magnet
- CRI : 95
- Power : 3W / 5W
- LED Type : HIGH CRI COB LED
- Colour Temperature : 4000K
- Lumen : 200 / 100LM (HL-00025)
400 / 180 LM (HL-00026)
- Cable : 1.5 m (HL-00025)
1m USB Cable (HL-00026)
- Working Time : 2.7/ 5.4 hrs (HL-00025)
2/ 4 hrs (HL-00026)
- Charging Time : 4hrs
- Battery : 3.7V / 2600 mAh Li-ion (HL-00025)
3.7V/ 2000 mAh Li-ion (HL-00026)
- Protection Degree : IP44



HL-00028 13W

HL-00029 26W

Color Match Light Ideal for Final Inspeciton before Clear Coat

- Full Aluminum / Arc Surface & Rubber Protection
- Rechargeable / AC-DC Dual System
- High-End Adaptor + Cable + Outdoor IP65 Waterproof Cable Connector (Rechargeable Models)
- CRI : 95
- Power : 13W / 26W
- LED Type : HIGH CRI COB LED
- Colour Temperature : 4000K
- Lumen : 900/ 400 LM (HL-00028)
1800/ 600 LM (HL-00029)
- Working Time:
HL-00028: 2hrs (High) 4hrs (Low)
HL-00029: 2hrs (High) 6hrs (Low)
- Charging Time : 4hrs / Beam Angle : 120°
- Battery : 7.4V/ 2200mAh Li-ion (HL-00028)
11.1 V / 4400 mAh Li-ion (HL-00029)
- Cable : 5.0 m / Protection degree : IP65



HL-00030

Light Tripod

- Material Housing: Plastic / Steel
- Fast Release System
- Max Length: Without Linght Mounted 160 cm
- Min Length: Without Linght Mounted 72 cm
- Adjustable Foot
- Folded : 70 x 13 x 13 cm



SAFETY PROTECTIONS



Safety Protections

390



Safety Protections

安全防護用品

SH2100

FFP1D Particulate Respirator

- Pass EN149:2001 optional Dolomite (D) clogging test for more comfortable breathing.
- Patent-Pending adjustable headstrap buckle for person adjustment.
- No metal used. Avoid the contact between skin and metal and suitable for those environment where metal is not allowed.
- Cool latex-free cloth headstrap for comfortable wearing.
- Continuous loop headstrap design can allow to hang the mask around the neck when not use.
- Polypropylene(p.p)inner layer provides the most intimate touch to your face.
- Pre-shaped cushion and soft closed-cell nose foam ensure custom shape and increase the worker comfort and acceptance.
- Embossed frings seal avoids fluffy open layer around the edges.
- Contour design ensures the compatibility of glasses/goggles and reduces fogging.



SH2910V

FFP1D Valved Particulate Respirator

- Meets EN149:2001 FFP1D,CE
- Packing: 1pc/bag,20pcs/box, 12boxes/ctn/2.38'



SH2550A

N95 Organic Vapor / Acid Gas Particulate Respirator

- Meets NIOSH N95,TC-84A-4007
- Packing: 20pcs/bag/box, 12boxes/ctn/2.34'



SH2930V

FFP3 Valved Premium Respirator



SH9100

FFP1 Particulate Respirator



SH9100V

FFP1 Valved Particulate Respirator



Safety Protections

安全防護用品



FS805-56

Safety Faceshield

- Meets CE EN166 approval



FS-00003

Face Shield & Earmuffs

- Material: PP, ABS VISOR: PC+Alum
- Size: 8x12"
- Complies: EN166 EN352-1 CE ANSI S3.19 ANSI Z87+



WH-00001 / WH-00001A / WH-00001B / WH-00001C / WH-00001D

WH-00001E / WH-00001F / WH-00001G / WH-00001H / WH-00001I

Auto-darkening Welding Helmet

- Material : PP
- Size: LENS 90 x 110 x 7mm
- Complies: EN 175 IR NO.3&5 CE ANSI Z87+



WH-00001



WH-00001A



WH-00001B



WH-00001C



WH-00001D



WH-00001E



WH-00001F



WH-00001G



WH-00001H



WH-00001I



Safety Protections

安全防護用品

EP-00004

Ear Protection

- Material: PVC
- Complies: EN352-2CE

SNR:28dB



EP-00002

Ear Protection

- Material: ABS, POM
- Complies: EN352-1:2002

CE ANSI S3.19 SNR:29dB



RM672

Respirator+R622

Anti-Paint Spray Cartridge



EP-00005

Ear Protection

- Material: PVC
- Complies: EN352-2CE

SNR:28dB



EP108-51 / EP108-51H / EP108-56

Ear Protection

- EP108-51: Meets ANSI S3.19
NRR value: 19dB
- EP108-51H: Meets ANSI S3.19
NRR value: 32dB
- EP108-56: CE EN352-1 approval
SNR value: 26dB



RM671

Respirator+R622

Anti-Paint Spray Cartridge



Safety Protections

安全防護用品



LGA-XL / L / M

Premium (A Grade) Latex Gloves

- LGA-XL: Extra Large Size
- LGA-L: Large Size
- LGA-M: Medium Size
- Packing: 100Pcs/Color Box



LG-XL / L / M

Industrial Grade Latex Gloves

- LG-XL: Extra Large Size
- LG-L: Large Size
- LG-M: Medium Size
- Packing: 100Pcs/Color Box



SM-9XL-4 / 9L-4 / 9M-4

Nitrile Gloves (Powder-Free)

- SM-9XL-4: Extra Large Size
- SM-9L-4: Large Size
- SM-9M-4: Medium Size
- Packing: 100Pcs/Color Box



VGPFN-XL / L / M

Vinyl Gloves

- VGPFN-XL: XL Size
- VGPFN-L: L Size
- VGPFN-M: M Size
- Packing: 100Pcs/Color Box



SG-00001

Safety Goggle

- Material: PC
- Complies: EN166
EN170 CE ANSI Z87+



SG271-51 / SG271-56

Safety Goggle

- SG271-51-Meets ANSI Z87.1
- SG271-56-CE EN166 approval



SG234-56

Safety Goggle



CR-00001 / CR-00002

Industrial Garment PP Non-Woven Coveralls

- Material : PP Non-woven
- Size: MD, LG, XL, 2XL, 3XL



CR-00001

CR-00002

GENERAL TOOLS



General Tools

395



General Tools

通用工具

AGT-00252

Universal Thread Repair Tool

- One tool restores inch or metric rh or lh threads!
- No calibration required.
- Self adjusting to any pitch & size within range.
- Automatically chases good threads to repair the damage.
- 5/32"-3/4" 4-19mm
- Pipe threads up to 7/16"
- 60° ,ISO,UNC, UNF, NPT
- 55° ,BSW,BSF, BSP



AGT-00253

Universal Thread Repair Tool

- One tool restores inch or metric rh or lh threads!
- No calibration required.
- Self adjusting to any pitch & size within range.
- Automatically chases good threads to repair the damage.
- 11/16"-1-1/2" 17-38mm
- Pipe threads 3/8"- 1-1/8"
- 60° ,ISO,UNC, UNF, NPT
- 55° ,BSW,BSF, BSP



AGT-00270K

Thread Gauge Metric (24PCS)

- A perfect device for measurement
- Screw pitch gauge with folding leaves
- Individually stamped with accurately formed thread profiles
- Wear resistant
- Ease of handling
- Size:
 - 6.0, 5.5, 5.0, 4.5, 4.0,
 - 3.5, 3.0, 2.5, 2.0, 1.75,
 - 1.5, 1.25, 1.0, 0.9, 0.8,
 - 0.75, 0.7, 0.6, 0.5, 0.45,
 - 0.4, 0.35, 0.3, 0.25



AGT-00269K

Thread Gauge Inch (22PCS)

- A perfect device for measurement
- Screw pitch gauge with folding leaves
- Individually stamped with accurately formed thread profiles
- Wear resistant
- Ease of handling
- Size:
 - 48G, 40G, 32G, 28G, 26G,
 - 24G, 22G, 20G, 19G, 18G,
 - 16G, 14G, 12G, 11G, 10G,
 - 9G, 8G, 7G, 6G, 5G,
 - 4-1/2 G, 4G



AGT-00277K

Number & Letter Punch Set (38PCS)

- 38-Piece Numbers and Letters all Uppercase only. Number from 0 to 8, as the 6 and 9 are interchangeable.
- Letters from A to Z
- Ideal for marking soft metal, leather and other wooden items
- Made of high Carbon Steel, forged and high durability
- With an auto center punch handle



Contents:

- 26PCS Letter stamps(A-Z)
- 9PCS Numbers (0-9), 6 and 9 are interchangeable
- 2PCS Symbols
- 1PC Punch

AGT-00249K

Grommet Tool Kit w/ Hole Punch Set

- Fast and easy to change upper and lower dies.
- No need to adjust the dies after installation
- Easy to operate and save efforts
- Can be used to install variety of grommets, eyelets, snap buttons with suitable dies
- Hole punches up to 10 sizes help you to make perfect rounds on tents, canvas, leather, etc





General Tools

通用工具

AGT-00220

Locking Pin Set (2 PCS)

- Injection Pump Locking Screw Allow The Injection Pump To Be Removed Without The Loss Of Pump Timing.
- Application: Mercedes Engines OM601, OM602, OM603, OM605 And OM604 With A Lucas Injection Pump.



AGT-00233

Universal Extender Adapter

- The universal extender adapter can loosen tight connection of HEX , TX & XNZ
- Can use socket or 3/4" ratchet be a handle!!



AGT-00243-8K

Auto-Flexing Line Sockets

- The Auto-flexing fuel line sockets can be reach outward fuel line nut in narrow space!!
- These sockets have 45° of freedom to reach onto the direct fuel line nut quickly and easily!!
- In addition to be auto-flexing function, the socket can tight the nut without losing torque!!!
- The handle will be stock by the narrow engine room!!
- Auto-Flexing Line Sockets can be adjusted to use in narrow space!!
- Size: 10, 11, 12, 13, 14, 15, 16, 17mm
- With stand torque: 30 Nm
- Material: S50C



AGT-00180

Wheel Nut Cap Remover Tool

- Storage For 6 Caps In The Tool Keeps Them Safe Ready For Replacing After Repair. This Is An Ideal Tool For Busy Tyre Bays, Garage Workshops And Roadside Repair And Recovery Mechanics Etc.
- This Wheel Cap Remover Is A Simple But Effective Tool For Use On Volkswagen/ Audi/ Seat/ Skoda And Vauxhall/ Opel Vehicles.



AGT-00242

Antenna Nut Socket Set (4 PCS)

- Four double - ended sockets fit eight common domestic & Import Antenna Nuts.
- The smaller three sockets are 7/8" Hex & the larger socket is 1-1/4 " Hex.
- For removing or replacing antenna



AGT-00273K

Twist Axle Spindle Rethreading Set (9PCS)

- Special Twist Shape Provides An Easier & Quicker Work. When The Axle Screw Is Damaged Or With Rust.
- This Tool Set Accesses Axle Threads On Spindles Of Eight Popular Die Sizes For Both Cleaning And Rethreading Work.

Contents:

- 1PC M20 x 1.25
- 1PC M20 x 1.50
- 1PC M24 x 1.50
- 1PC M24 x 2.00
- 1PC 13/16" x 20 UNEF
- 1PC 3/4" x 20 UNEF
- 1PC Extension bar (27mm Outer Dia.)



General Tools

通用工具



AGT-00274

Axle Popper

- Safer than using a pry bar.
- Applies even pressure to both sides of the shaft for sure relieve of the shaft.
- Tapered on both ends of the wedge along with a 12mm and 14mm shaft to fit into your air hammer.



AGT-00260

Stud Cleaning & Hub Grinding Tools

- Faster and easier to clean wheel studs and wheel hub.
- Quick change brushes and grinding pads.
- Only need ONE tool to fit different sizes of brush and grinding pad.
- Can be operated by cordless drill or impact wrench.
- Brush size:
14, 22mm
(Do not exceed 1800 RPM)
- Hub grinding pad:
Ø23mm x 3pcs, Ø15mm x 2pcs.
(Do not exceed 8000 RPM)



AGT-00228

2PCS Brake Cylinder Groove Cleaner

- T-shape cutter heads are applied for cleaning all kind sizes & angles of brake cylinder.



AGT-00208

Stud Cleaning Tool

- Faster And Easier To Clean Studs.
- Only Need ONE Tool To Fit Different Sizes Of Brush.
- Quick Change Brushes In 5 Seconds.
- Come With A 1/2" Drive Adapter And Six Brushes.
- Brush Size:
12mm (7/16"), 13mm (1/2"),
14mm (9/16"), 16mm (5/8"),
22 mm(7/8"), 28mm (1-1/8")
- Dimension: 33.5x 21x 5.8 cm
- Weight: 477g





General Tools

通用工具

AGT-00256

Gear Jaw Hammer Wrecker

- Automotive repair tool.
- Jaw features a clutch mechanism that allows you to alter the angle and lock the jaw in position.
- Measuring 420 mm in length you can exert high levels of leverage via the non slip polypropylene handle.
- Manufactured from hot forged alloy steel this hammer wrecker is virtually indestructible.
- Type: Gear jaw hammer wrecker
- Tip Type: Pry bar
- Overall Length: 420mm
- Weight: 0.98kg
- Material: Chrome-vanadium steel
- Finish: Manganese phosphate
- Handle Material: PVC



AGT-00255

Gear Jaw Wrecker

- Patented adjustable pry bar nail puller-Nails can be lifted at different angles.
- Wrecking end with punch down ending and outer nail puller.
- Inner safety keyhole nail puller.
- Widen fulcrum allows users to work easily.
- All parts are made of Chrome-Vanadium alloy steel by hot forging and precision heat treatment.



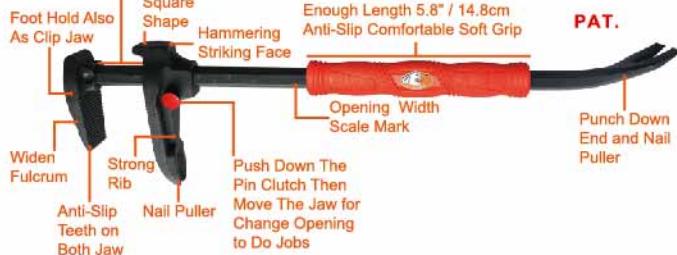
AGT-00258A / AGT-00258B

All Go Whole Bar

- Patent design
- Pry bar, nail puller, hammer, multi size of clip jaw in one.
- Clip on function for wrecking & leverage.
- In higher position lifting & pulling.
- Multi function for demolition and remodeling at construction site
- Manufactured from hot forged alloy steel
- Tip Type: Pry Bar
- Material: Chrome-vanadium steel
- Surface: Manganese phosphate
- Handle Material: TPR
- **AGT-00258A:**
-Length: 508mm ; Weight: 1.6kg
- **AGT-00258B:**
-Length: 609mm ; Weight: 1.78kg



Adjustable Opening Clip for Demolition & Remodeling from 8.8cm (3-1/2") to Thin Lumber



AGT-00257

Multi Function Bar Hammer

- Multi function for demolition and remodeling at construction site
- Hammer, adjusting twister, stepping nail puller, multi-size clip
- Manufactured from hot forged alloy steel
- Type: Bar hammer
- Tip Type: Clip jaw
- Overall Length: 360mm
- Weight: 1.09kg
- Material: Alloy steel
- Finish: Manganese phosphate
- Handle Material: TPR



Adjustable Opening Clip For Demolition & Remodeling From $\frac{1}{2}$ to $\frac{1}{2}$ (3-1/2") To Thin Lumber.



General Tools

通用工具



AGT-102HP

Claw Hammer (Through-Hole)

- Length: 320 mm
- Weight: 0.8 kg
- Surface: Polishing With Parts Mnphosphated
- Material: SCM 440
- Handle Grip: TPR & PP



AGT-102HS

Claw Hammer (Through-Hole)

- Length: 320 mm
- Weight: 0.8 kg
- Surface: Sand Blasted
- Material: SCM 440
- Handle Grip: TPR & PP



AGT-203HP

Roofing Hammer

- Length: 320 mm
- Weight: 0.8 kg
- Surface: Polishing With Parts Mnphosphated
- Material: SCM 440
- Handle Grip: TPR & PP



AGT-203HS

Roofing Hammer

- Length: 320 mm
- Weight: 0.8 kg
- Surface: Sand Blasted
- Material: SCM 440
- Handle Grip: TPR & PP



AGT-105HP

Machinist Hammer

- Length: 320 mm
- Weight: 0.75 kg
- Surface: Polishing With Parts Mnphosphated
- Material: SCM 440
- Handle Grip: TPR & PP



AGT-105HS

Machinist Hammer

- Length: 320 mm
- Weight: 0.75 kg
- Surface: Sand Blasted
- Material: SCM 440
- Handle Grip: TPR & PP



AGT-204HP

Ball Peen Hammer

- Length: 320 mm
- Weight: 0.81 kg
- Surface: Polishing With Parts Mnphosphated
- Material: SCM 440
- Handle Grip: TPR & PP



AGT-204HS

Ball Peen Hammer

- Length: 320 mm
- Weight: 0.81 kg
- Surface: Sand Blasted
- Material: SCM 440
- Handle Grip: TPR & PP





General Tools

通用工具

AGT-00231

Light Duty Prying/ Smoothing Tools Set (3 PCS)

- Prying apart electronic key fobs (battery replacement).
- Prying / smoothing epoxy , adhesives & silicone uniformly.
- Prying dashboard parts & vents.
- Paint stripping in confined spaces.
- Removing / installing O-rings & gaskets.
- Cleaning small parts.



AGT-00217

Jumbo Pry Bar Set (4 PCS)

- Through-Handle Square Shank With Capped End.
- Dual Component Composite ,Texture Handle.
- Material:
 - Blade Material: CR-MO
 - Handle Material: TPR- Black +P.P.-Red



Size	Packing
Ø5/8"×36"-Straight	5pcs/10pcs/19kg/20kg/0.6'
Ø5/8"×36"-30°	5pcs/10pcs/20kg/21kg/0.6'
Ø5/8"×24"-70°	5pcs/10pcs/14kg/15kg/0.6'
Ø5/8"×24"-90°	5pcs/10pcs/14kg/15kg/0.6'

AGT-00219

Seal Removal Tools (4 PCS)

- Rounded Tip With Blended Radius Edge Allows Easy Removal Of Seals Or O-Rings.
- While Reducing Chance Of Damage To Seal Or Finished Surface.
- 2 Tip Configurations And 2 Blade Lengths Handle Most Seal Removal Situations.
- Transmissions, Heater And Vacuum Hoses, Oil Pump Drive Shaft Seals,Injectors And Fuel Rail O-Rings, Inner Tie Rod Rack Boot And CV Boot Removal, Fork Seals And Caliper Dust Boot Assemblies On Harley-Davidson And Other Motorcycles And Steering Racks And Pumps.



AGT-00218

Mechanic's Pry Bar Set (4 PCS)

- Cr-MO Steel Shanks,
- Tempered And Black Oxide Finish.
- Through-Handle Square Shank With Capped End.
- Dual-Component Composite,
- Texture Handle.



Size	Packing
1/4" x 8"	12pcs/72pcs/11kg/12kg/0.7'
3/8" x 12"	12pcs/48pcs/15.5kg/16.5kg/0.9'
7/16" x 18"	12pcs/24pcs/13kg/14kg/0.6'
7/16" x 24"	12pcs/24pcs/17kg/18kg/0.9'

General Tools

通用工具



AGT-00254

Universal Adjustable Thread Repair Tool

- Quickly adjustable to any thread diameter & pitch within the size range indicated
- Applicable to most thread standards - ISO, UNF, UNC, NPT, BSW, BSP & more
- 2 cutting blades (58rc) guided by the existing thread, re-groove the damaged part.
- Range: 35-152mm (1 3/8"-6.0")
- Pipe: 1"-5 1/2"



AGT-00272K

Precision Needle File Set (12PCS)

- Material: High Carbon Steel
- Handle diameter: 4mm
- Total Length: 160mm
- HRC 60-65

Contents:

- 1PC Flat File (AGT-00271F)
- 1PC Half Round File (AGT-00271HR)
- 1PC Triangular File (AGT-00271T)
- 1PC Square File (AGT-00271S)
- 1PC Round File (AGT-00271R)
- 1PC Flat-Point File (AGT-00271FP)
- 1PC Knife Type File (AGT-00271KT)
- 1PC Barrette File (AGT-00271B)
- 1PC Crossing File (AGT-00271C)
- 1PC Oval File (AGT-00271O)
- 1PC Feather Edge File (AGT-00271FE)
- 1PC Round Edge Flat File (AGT-00271REF)



AGT-00190

Inflatable Hand Pumper w/ 3pcs Inflatable Pads

Contents:

- 1PC Inflatable Hand Pumper
- 1PC 7"(180mm) x 1-1/2"(38mm)
- 1PC 7-1/2"(190mm) x 2-3/8"(60mm)
- 1PC 6-3/8"(160mm) x 6-3/8"(160mm)



AGT-00275K

Ribbed Flat Chisel (5PCS)

- One-piece construction forged from chrome molybdenum steel for increased strength and durability
- Hardened striking end for greater resistance to mushrooming and chipping
- Ideal for cutting/shaping

Contents:

- 1PC 18mm Ribbed Flat Chisel Length: 125mm, Weight: 90g
- 1PC 20mm Ribbed Flat Chisel Length: 150mm, Weight: 155g
- 1PC 26mm Ribbed Flat Chisel Length: 200mm, Weight: 320g
- 1PC 29mm Ribbed Flat Chisel Length: 250mm, Weight: 485g
- 1PC 34mm Ribbed Flat Chisel Length: 300mm, Weight: 750g





General Tools

通用工具

AGT-00266

Quick Change Folding Utility Knife

- Folding feature for quick and easy one-handed opening/closing
- Blade storage for convenient access to new blades
- Retractable blade offers variable cut depth
- Rapid load blade change easy access
- button for quick blade change



AGT-00264

Retractable Utility Knife

- Pro-cut Quick Change Design Retractable Utility Knife
- Curved handle design for comfort and ease of use
- Slip-resistant grip on the both sides of knife for enhancing the comfort
- Heavy duty cutting
- Fits most standard utility blades
- Material:
 - Utility knife: Aluminum, TPR
 - Standard blade: SK2



AGT-00263K

6 In 1 Multi-Function Utility Knife Set (7PCS)

- Utility knife with quick blade change and adjustability to suit 3 types of work in awkward spaces.
- Ergonomically bent handle saves effort; comfortable TPR grip
- Multi-functional to cut different materials
- Standard blade for cutting board plywood
- Hook blade for cutting mats or wall paper
- Saw blade for cutting wood or board
- Circular blade for cutting textile materials or leather
- Tungsten blade for cutting glass or tiles
- Hack saw for cutting metal

• Material:

- Utility knife: Aluminum, TPR
- Standard blade: sk5
- Hook blade: sk5
- Saw blade: sk5
- Hack saw : sk5
- Circular blade: sks-7
- Tungsten blade:
 - Super-fine tungsten carbide, zinc

Contents:

- 1PC Utility knife
- 1SET Standard blade x 3PCS
- 1SET Hook blade x 3PCS
- 1PC Saw blade
- 1PC Hack saw blade
- 1PC Circular blade
- 1PC Tungsten blade
- 1PC Blow molded case



General Tools

通用工具



Features For AGT-00261 & AGT-00262

- Handles adjustable to fit any hand comfortably
- Handles made of PP and TPR over molded
- For shearing: Wood sticks, Dowel rods, Cardboard, Rope, Cord, Many other materials, Wire notch cuts up to ø 2.5mm soft metal wire
- Blades made of 4mm stainless steel HRC 50-54 serrated blade for gripping materials
- Bolt made of JIS SCM435 alloy steel security bolt



AGT-00261

8" Multi-Purpose Heavy Duty Shears

- Full Length: 205mm (8")
- Cutting Length: 50mm (2")



AGT-00262

8" Multi-Purpose Heavy Duty Shears-Angled

- Full Length: 200mm (8")
- Cutting Length: 50mm (2")



AGT-00279

Single Suction Cup

- Reliable tool design to remove lamp housing, rear mirror and etc.
- No need for multiple tools and complicated procedure.
- Low investment cost.
- Simple and straight forward operation.
- Material: Plastic
- Loading Capacity: 5kgs
- Diameter: 2.16" (55mm)
- Weight: 49g



ACC-5505

Rubber Suction Cup-Double Pack

- Rubber griper prevents damage to surface.
- Designed for handling glass, tiles, plastic, sheet metal and non-porous materials.
- Material: Rubber
- Loading Capacity: 10kgs
- Diameter: 3.34" (85mm)
- Weight: 93g





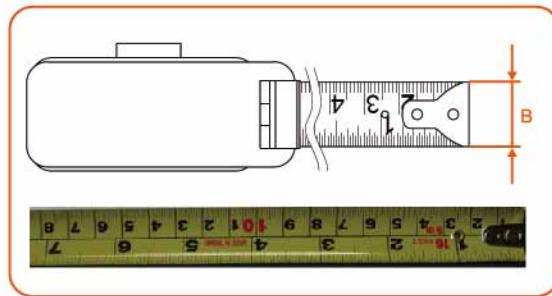
General Tools

通用工具

AGT-00276 Series

Tape Measure

- In line with the overall shape of the ergonomic easy to master
- shell coated with rubber, wear-resistant rust-proof, long life
- A cat's eye you can suspend the brake tape measure
- Harness tied to their belts or wrist can avoid the drop will not hinder the work to carry
- Materials: ABS Plastic / Steel



ITEM NO.	Length		Blade Width (B) mm
	m	ft	
AGT-00276A	5	16	19
AGT-00276B	5	16	25
AGT-00276C	8	27	25
AGT-00276D	10	33	25

AGT-00221

1/4" Brush Assortment (38 PCS)

- For operation with drilling machines & pneumatic drills.

Contents:

- 12PCS Nylon Brushes
(Ø8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 mm)
- 12PCS Steel Brushes
(Ø8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 mm)
- 12PCS Brushes With Brass coating
(Ø8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 mm)
- 1PC Handle With 1/4" Inclusion & Fast Locking
- 1PC Extension 150 mm



General Tools

通用工具



AGT-00209A

Professional Parts Storage Box

- 10 PCS Yellow Separator
- Dimension: 385 x 335 x 60 mm



AGT-00209B

Professional Parts Storage Box

- 14PCS Yellow Various Compartments
- Dimension: 385 x 335 x 60 mm
- Various Compartments Size:
90 x 60 x 55 mm



AGT-00209C

Professional Parts Storage Box

- 4PCS Yellow Partition
- 8PCS Yellow Various Compartments
- Dimension: 385 x 335 x 60 mm
- Various Compartments Size:
90 x 60 x 55 mm



AGT-00209D

Professional Parts Storage Box

- 6PCS Yellow Partition
- 6PCS Yellow Various Compartments
- Dimension: 385 x 335 x 60 mm
- Various Compartments Size:
90 x 60 x 55 mm



AGT-00244

Three - Layer Multi - Function Display Cart

- Size: 380 x 520 x 740 mm
- 2PCS 4" TPR Brake Wheel
- 2PCS 4" TPR Swivel Wheel



AGT-00213

Parts Stand With Fifteen Tray

- 2PCS Swivel Wheels
- 2PCS Brake Wheels
- D:360 x W:800 x H:1220 (mm)
- Capacity: 300 Lbs (150 kgs)
- Tray Dimension:
248 x 180 x 39mm With 15 Tray



AGT-00214

Parts Stand With Ten Tray

- 2PCS Swivel Wheels
- 2PCS Brake Wheels
- D:360 x W:550 x H:1220 (mm)
- Capacity: 300 Lbs (15kgs)
- Tray Dimension:
248 x 180 x 39mm With 10 Tray





General Tools

通用工具

GH-21

**Magnetic Tools Holder
For 1PC Torque Wrench**



GH-22

**Magnetic Tools Holder
For 2 PCS Ratchet Wrench**



GH-23

**Magnetic Tools Holder
For 3 PCS 3/4" Socket**



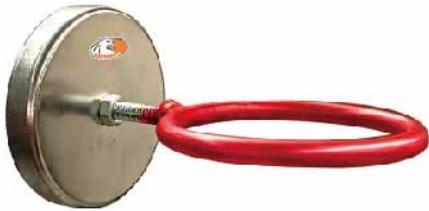
GH-24

**Magnetic Tools Holder
For 4 PCS 1/2" Socket**



GH-25

**Magnetic Tools Holder
For 1 PC Impact Wrench**



GH-19B

**Magnetic Holder
For Impact Wrench**

- Holder Size: 38x13.5x11.5cm
- Magnetic Capacity: 20 kgs
- Weight: 1.42 kgs



AGT-108

**Magnetic Holder
For Impact Wrench**

- Holder Size: 38x13.5x11.5cm
- Magnetic Capacity: 10 kgs
- PE Coating



GH-20

Air Tool Holders (3 PCS)

- For: 4PCS 1/2" Socket
- 1PC Impact Wrench
- 2PCS Ratchet Wrench



PARTS WASHER, SAND BLASTERS & SAND BLASTER GUNS



Parts Washer,
Sand Blasters &
Sand Blaster Guns

408



Parts Washer

零件清洗機

PW-020G

20 Gallon Parts Washer

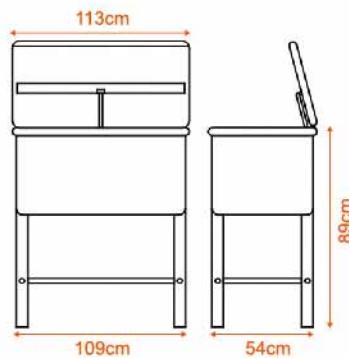
- Rugged welded steel
- Convenient removable work shelf
- Parts basket for soaking small parts in solvent
- Self-latching fuses linked fine cover
- Electric requirement: 110V (60Hz), 240V (50Hz) solvent Pump
- Max pump output through spigot: Recirculates 2.7-3.3 litre/min of solvent
- Tank capacity: 20 Gallon
- Solvent capacity: 12 Gallon



PW-040G

40 Gallon Parts Washer

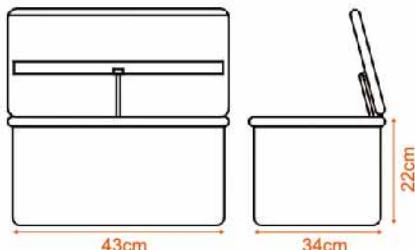
- 40 gallon capacity tank is suitable for cleaning larger engine components
- Lid of tank fitted with fusible link hinge which automatically snap slide shut in the event of a fire
- Parts basket for soaking small parts in solvent
- Suitable for different kind of solvent at same time
- Double driving pump for higher cleaning efficiency
- Two Separated tank with perfect welding seal
- Solvent capacity: 24 Gallons
- Electrical requirement: 110V (60Hz), 240V(50Hz)



PW-312G

3-1/2 Gallon Parts Washer

- Can be moved easily from one job to another
- Ideal for small garage, home and business
- Heavy-duty construction, fusible link, steel lid
- Removable shelf keeps parts out of solvent during inspection and drying
- Easy clean up
- Max. Pump output: 2.7-3.3 litre/min
- Tank capacity: 5 Gallon
- Solvent capacity: 3-1/2 Gallon
- Electrical requirement: 110V-120V (60Hz), 220V-240V (50Hz)



Sand Blasters & Sand Blaster Guns

噴砂機 & 噴砂槍



SB10

10 Gallon Sand Blaster

- Pressurized design 30% more sandblasting power than siphon units
- Provides more abrasive when you need truly efficient performance
- Equipped with a nozzle and shut-off valve, pressure gauge, ceramic nozzle, 2.5mm, hose, filling funnel, watertrap, 6" rubber wheels and can vas hood
- Tank Dimensions: 12" Diameter, 2" Length
- Overall dimension: (H)83 x (L)48 x (W)33 cm
- Hose length: 2.5 M
- Working pressure: 60-125 PSI (6-25 CFM)
- Tank volume: 32 L



SBG280M

Hand Held Sand Blaster

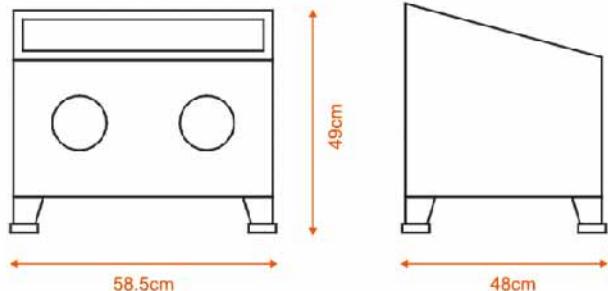
- All new ergonomic legerity function.
- Always wear eye protection and protective clothing equipment to avoid injuries.
- Please pay attention, that the operation pressure never exceed over 6, 7 bar.
- Disconnect the tool from the air-supply before changing accessories or when nothing in use.
- Light weight plastic gun body.
- Tank 0.9L capacity.
- Operating pressure 90PSI.
- Air Inter: 1/4" NPT female.
- 4 Extra functional nozzles.



SBC-090C

Benchtop Steel Cabinet Sand Blaster

- Cleaning parts quickly and easily
- Through the sealed rubber glove parts, you control the high-efficiency air blast gun inside, directing 100 maximum PSI abrasive flow to clean parts FAST!
- For use with glass beads, silica sand, alum oxide and more.
- Red finish steel cabinet have a transparent plastic top door helps keep abrasive dry.
- Air compressor delivery of 40-80PSI, 5CFM.
- Overall dimension: (L)58.5 x (W)48 x (H)49 cm
- Working space: (L)56 x (W)46 x (H)30.5cm



TRUCK TOOLS



Truck Tools

411

Truck Tools

卡車工具



AET-00076

Scania Toothed Socket, 72mm

- This special socket removes.
- European truck repair tool.
- 4 Teeth
- Size of Teeth 6.75mm
- Inner Ø Diameter Tooth to Tooth 72.5mm
- Side to Side 80.8mm
- Height 76.1mm



AET-00076D

Scania Front Wheel Nut Socket, (80mm, 8 Points, H41)

- This eight sided 80mm socket is specifically for front wheel nut sockets on SCANIA trucks.
- SCANIA front wheel nut socket.
- Inner Ø80mm
- Outer Ø100mm
- Height 102mm
- Hex Size 41



AET-00076B

Scania Front Wheel Shock Absorber Spring Washer Socket, (28mmX37mm Dr.3/4")

- This special socket removes.
- European truck repair tool.
- Inner Ø28.5mm
- Outer Ø53.9mm
- Height 50mm



AET-00076I

Scania Transmission Clutch Front Main Axle Nut Socket, (3/4" DR.,65mm)

- This special socket removes.
- For extracting / installing the front main axle of transmission clutch nut on SCANIA truck with ten speeds automatic transmission.
- Inner Ø65 mm
- Outer Ø78 mm
- Height 80 mm
- Square Drive 3/4"



AET-00076C

Scania Damper Rod Socket For Rear Axles, (34mmX46mm Dr.3/4")

- This special socket removes.
- European truck repair tool.
- Inner Ø34.5mm
- Outer Ø63.9mm
- Height 50.1mm



AET-00076Q

Groove Nut Socket With 8 Studs (Scania 420)

- With 3/4" square drive to DIN 3121 / ISO 1174
- Special profile with 8 external studs
- Positive drive of the axle nut
- Any extensive slipping is avoided
- Milled Out Profile
- Robust Execution
- Application Range: Scania 420 (Heavy duty tipper axis) removal and installation of the mounting nut on the axle bearing
- Can be used with an impact wrench or torque wrench
- Inner Ø103mm
- Outer Ø119mm
- Height 100mm
- Stud 8
- Square Drive 3/4"





Truck Tools

卡車工具

AET-00076J

Scania Front Wheel Nut Socket,
(80mm, 8 Points, 3/4" DR.)

- This eight sided 80 mm socket is specifically for front wheel nut sockets on SCANIA trucks.
- SCANIA front wheel nut socket
- Inner Ø80 mm
- Outer Ø100 mm
- Height 90 mm
- Square Drive 3/4"



AET-00076E

Scania Rear Wheel Nut Socket
(100mm, 8 Points, 3/4" DR.)

- Control the nut with slide rod to adjust bearing.
- This eight sided 100 mm socket is specifically for rear wheel nut sockets on Scania trucks.
- Inner Ø100 mm
- Outer Ø123 mm
- Height 84 mm
- Square Drive 3/4"



AET-00076K

Scania 10 Wheels Cab Third Axle Nut
Socket , (95mm, 8 Points, 3/4" DR.)

- Control the nut with slide rod to adjust bearing.
- This eight sided 95mm socket is specifically for rear wheel nut sockets on Scania, York, Fuso trucks.
- Application Range: Scania cab, York haulage Fuso 10.5 tons truck
- Inner Ø95 mm
- Outer Ø118 mm
- Height 84 mm
- Square Drive 3/4"



AET-00076H

Scania 8-Speed BUS Transmission Nut
Socket, 58mm

- This special socket removes.
- Transmission nut on Scania bus 8-speed.
- Inner Ø58 mm
- Outer Ø78 mm
- Height 76 mm
- Square Drive 3/4"



AET-00076O

Scania Front Wheel Nut Socket,
(80mm, 8 Points, 1" DR.)

- Positive drive of the axle nut
- Any extensive slipping is avoided
- Milled out profile / Robust execution
- Can be used with an impact wrench or torque wrench
- Inner Ø80 mm
- Outer Ø98 mm
- Height 75 mm
- Square Drive 1"



AET-00076R

Scania Front Wheel Nut Socket,
(83mm, 8 Points, 1" DR.)

- Positive drive of the axle nut
- Any extensive slipping is avoided
- Milled out profile / Robust execution
- Can be used with an impact wrench or torque wrench
- Inner Ø83 mm
- Outer Ø103 mm
- Height 74 mm
- Square Drive 1"



Truck Tools

卡車工具



AET-00076P

Scania (340) Electromagnetic Injection Valve Cap Socket,(1/2", 8 Points, 38mm)

- For tightening & loosening the electromagnetic injection valve cap.
- Inner Ø38 mm
- Outer Ø45 mm
- Height 100 mm
- Square Drive 1/2"



AET-00076N

Scania Transmission Back Oil Seal Installer

- Sealing ring installation aid for manual use.
- For damage free mounting.
- Extremely versatile.
- Application Range:
Scania transmission flange shafts on transmission and rear axle (e.g. change to simmerrings part No. 1 502 384 / 1 502 385)



AET-00076L

Scania Crankshaft Rear Oil Seal Installer (310/320)

- Add new oil seal onto crankshaft.
- Put AET-00076L above the oil seal and hit it to force oil seal install to the right place.
- Application Range:
Scania 310/320 / oil seal No.0366303-R



AET-00076M

Scania Camshaft Rotator (Dr.1/2")

- Allows the engine crank to be manually adjusted.
- Allows pinpoint accuracy calibration.
- Ideal for adjustments to the engine.
- Application Range:
Scania after 1996 4th = old and after Bj.2003 R = New



AET-00544

Socket, Spanner, Steering Rack

- Removes & installs cylinder end stopper on '04 - '09 Lexus RX330 & RX350, plus '04 - '07 Toyota Highlander
- Allows steering rack to remain in vehicle without using a screwdriver or hammer, preventing damage
- Use with 3/8" square drive tools



AET-00551

Dismantling Mandrel For Release Bearing

- Required to pre-tension the circlip
- For the quick & professional removal of the release bearing from the pressure plate

Application Range:

- Fiat Ducato, Peugeot Boxer, Citroën Jumper, Peugeot 406 with pull-type clutch



AET-00582

Camshaft Holding Tool (1.3L Diesel)

- Fiat, Lancia, Alfa Romeo, Vauxhall / Opel, Ford, Peugeot, Citroen, Suzuki
- For counter holding the camshafts during engine timing, setting & adjustment procedures.



Manufackurer	Model	Year	Engine
Fiat (JTD)	500 /500C	07-15	
	Panda / Panda Classic	03-11	169A.1000 (FD4),
	Punto / Punto Classic	03-11	169B1.000,
	Punto Evo	09-12	169A5.000,
	Grande Punto	05-11	188A8.000,
	Qubo	08-13	199A2.000,
	Doblo / Doblo Cargo	04-10	199A3.000,
	Idea	04-11	199A9.000,
	Linea	07-11	199B1.000,
	Fiorino	08-11	199B2.000,
Lancia (JTD)	Strada Pickup	06-13	223A9.000,
	Ypsilon	03-13	263A2.000,
	Musa	04-11	263A2.000,
Alfa Romeo (JTD)	MiTo	08-13	843A2.000
	Ka	09-14	
	Agila / Agila-B	03-10	
Opel Vauxhall Holden (CDTi)	Combo-C / Combo-D	03-13	
	Corsa-C / Corsa-D	03-13	(LDV) A13DTC,
	Meriva-A / Meriva-B	04-13	(LSF) A13DTE,
	Astra-H / Astra-J	04-13	A13DTR, D13A,
	Tigra-B	04-10	Y13DT, Y13DTH,
	Swift	04-13	Z13DT, Z13DTE,
	Ignis	03-09	Z13DTH, Z13DTI,
Suzuki (DDiS)	Wagon R+	03-08	Z13DTJ,Z13DTR
	Splash	08-11	
	Bipper	10-15	
	Nemo	10-15	FHZ (F13DTE5)



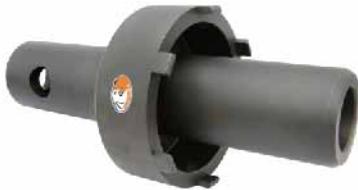
Truck Tools

卡車工具

ATK-00018

Benz Rear Axle Nut Socket

- Size: 3/4" D x 91.5mm / 6PT.
- Applicable: BENZ truck.



ATK-00006

80 - 95 mm

ATK-00007

105 - 125 mm

BENZ & MAN Rear Axle Nut Socket

- Internal square drive to DIN 3121/ISO 1174.
- Suitable for high tightening & loosening torque.
- Extremely robust execution / Special steel
- Rigid locating tube / High accuracy of fit
- ATK-00006 : Optional with expander sleeve (Bayonet locking system).
- Application Range: Mercedes Benz Atego Rear axle
ATK-00006 : Vitaro 814 , MAN , etc
ATK-00007 : HL / HL 8 (Hypoid) , etc.



Locat Ting Tube Ø 49mm



ATK-00007

ATK-00035

1/2" DR. Differential Flange Nut Sockets (Volvo)

- Impact sockets for VOLVO truck differential flange nut for use with an air impact wrench for quick removal.
- Size: H15 x 150 mmL, H18 x 150 mmL
- Application: VOLVO truck



ATK-00004

38 x 20 mm

ATK-00005

41 x 21 mm

Impact Rear Wheel Nut Socket

- The wheel nut socket fits onto both outer nut & inner nut.
- Application:
 - ATK-00004 : MITSUBISHI (~1T),
 - ATK-00005 : NISSAN (4T~),
 - ISUZU (4T~), HINO (4T~),
 - Mitsubishi Fuso (2T~) & import trucks



ITEM NO	Inner Ø	Outer Ø	Stud Ø	Stud Width	H
	mm	mm	mm	mm	mm
ATK-00006	80	95	87	10	175
ATK-00007	105	125	116.5	9.8	180

ITEM NO	DR.	Point	Length	Size
	Inch			
ATK-00004	3/4"	6	100	38 x 20
ATK-00005	3/4"	6	100	41 x 21

Truck Tools

卡車工具



ATK-00041

BENZ & MAN Truck Axle Nut Socket

- Size: 3/4" DR. SW 56 x 71 mm
- Material: 4140
- Surface Finish: Phosphate

Applicable:

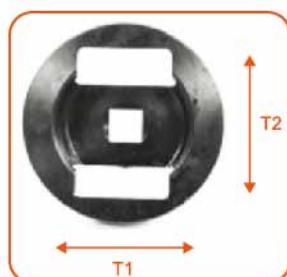
- DAF, BENZ trucks (axles VL 3/8, 13, VO 3/10, VL 4/7, 9, 10, VD 4/14, VO 4/11, 13, 18, VL4/15, 16, 19 and VD 4/20) in type 363, 385, 387, 389, 391, 393, 395, 617, 620, 621, 622, 623, 625 and 649 (ex: BENZ ACTROS with drum brake tightening nut no. 652 330 00 88)
- BENZ buses (axles VO 3/10, 4/11, 4/13 and 4/19 in type 0303, 0305-G and 0307)
- MAN trucks (with clamping nut no. 81.92901-0066)
- KASSBOHRER / SETRA (front axle 6,5 + 7,5 in types S 210 and 215, SG 219-221 and non-driven rear axle types S 216 HDS and S228 DT)



ATK-00042 Series

BPW Roller Bearings Axle Nut Socket

- Removes the lid of axle on BPW 6.5-12 tons before using this tool
- This socket is designed to remove the nut then replace the new bearing with adjustable torque wrench
- Material: 4140



ITEM NO.	Drive Inch	Size (mm)		BPW Suit TON
		T1	T2	
ATK-00042A	3/4"	40	65	6.5 - 9
ATK-00042B	3/4"	50	80	12

ATK-00043K

1" DR. Budd Wheel Socket Set (5PCS)

- Metric sizes for Isuzu, Hino, Mitsubishi Fuso and Import trucks, fit front and rear axles wheel.
- 1-1/2" hex budd wheel socket for American-made trucks.
- With dual rear wheels. These sockets work on the import truck budd wheels, their extra deep design lets you remove both nut and stud with just the one socket.
- They are usable with a 1" square impact wrench.

Contents:

- 1PC 33 mm hex budd wheel socket. For Mack Midline- ers, white Volvo and other import trucks w/dual rear wheel
- 1PC 35 mm hex socket.
- 1PC 1-1/2" hex budd wheel socket. For American-made trucks w/dual rear wheels.
- 1PC 38 mm hex socket.
- 1PC 41 mm hex socket.



ATK-00044K

Inner Bearing Race Puller Set (7PCS)

- Removal of the Hub almost always leaves the inner race on the Hub.
- Makeshift methods such as Grinders, Chisels, Welding Torches etc.
- Represent severe risks of personal injury or damage to the components.

Application:

- For VW-Audi, BMW, Ford, Fiat, Mercedes, Opel, Renault, Seat, Skoda, Porsche, Peugeot, Volvo etc.

Contents:

- 1PC Chuck size Ø 40 - 45 mm
- 1PC Chuck size Ø 45 - 51 mm
- 1PC Chuck size Ø 50 - 55 mm
- 1PC Chuck size Ø 55 - 61 mm
- 1PC Special Ring Spanner Ø 58.9 mm
- 1PC Special Ring Spanner Ø 82.7 mm
- 1PC Spindle with Pin (M20 x 1.5)





Truck Tools

卡車工具

ATK-00048

Automatic Slack Adjuster Release Tool And Wrench

- **SIMPLIFY BRAKE SERVICE:**
Speed up installation and service on Meritor heavy-duty truck brake slack adjusters
- **DOUBLE SQUARE HEAD:**
5/16-inch double square ratchet has an angled head to give additional clearance for hands
- **REVERSIBLE RATCHET:**
Easy to operate, side-mounted forward / reverse lever
- **FORK-END TOOL:**
Fork-end tool holds tensioner release button securely without prying or damaging it
- **DUAL LAYER HANDLES:**
Dual durometer, ergonomic handles provide an comfortable, ergonomic grip



ATK-00001

Truck Heavy Duty Clutch Adjusting Wrench

- For Spacer-built heavy-duty clutches.
- Used for the internal adjustment of Spicer angle-spring & multiple-lever clutches.



ATK-00036

Small Universal Gland Wrench

- This wrench is fully adjustable to fit hydraulic cylinders on vehicles having gland nuts from 1" to 3-3/4" in diameter.
- It also reverses to work on either 1/4" or 7/32" pinholes.
- Accommodates a 1/2" drive ratchet.



ATK-00021K

Scania Injector Water Jacket Remover/ Installer Set

- Special designed to remove and install injector bush on the car directly.
- Applicable: SCANIA 113, 114 engine.



ATK-00010

Land Rover / Jaguar Fuel Injector Remover

- It's specifically designed to extract fuel injectors from 5.0lt V8 Land Rover / Jaguar fuel-injected engines .
- Because failed fuel injectors can freeze in place on these vehicles, so use this tool can be extracted properly without breakage.
- Application :
Jaguar Model: X150, XK Series, X250 (XF) & XJ models Land Rover Model : Land Rover Discovery 4, new Range Rover , Range Rover Sport
- OEM Ref: 310 - 197



ATK-00045

CV Joint Assembly Removal Tool

- Fits CV joint on virtually all passenger cars.
- Positioning hole total of 9, according to the movable object.
- Inside Diameter: 105.5mm
- Outer Diameter: 135mm



Truck Tools

卡車工具



ATK-00038

VOLVO Camshaft Rotator

- Designed to rotate crankshaft on Volvo commercial vehicles via flywheel ring gear
- Size: 1/2" DR.



ATK-00008

1/2" DR. Renault Magnum Truck Engine Flywheel Rotator

- Tool for engine flywheel rotation during the tappets adjustment.
- Specific for Renault Magnum.



ATK-00002

Truck Self-Adjust Clutch Rotating Tool

- Replaces Self-adjuster mechanism on spicer self-adjust clutches.
- Allowing you to manually adjust them with a wrench or socket.



ATK-00040

Adjustable Rear Axle Nut Tools

- Certain stop through clamping screws and adapter guides on the basic device
- Especially suitable for narrow hard to access areas
- For the dismantling and assembly of vario nuts
- Extra heavy execution
- Material: Special steel
- Suitable for exact torque with a 3/4" square drive
- Application Range: 6 pint, 8 pint, nuts and round nuts
- Hole separation maximum 145mm



ATK-00039 Series

Impact Ball Joint Separator

- Impact screws create pressure and vibration at the same time, through which the secure ball joint connections and quickly and safely removed
- Pressure pieces in the spindle rotating mounted
- Trapezoidal spindle
- High release force due to rotary shock pulse with impact wrench
- Less space required
- Material: 4140



ITEM NO.	Drive	Open Width	Height
	Inch	mm	mm
ATK-00039A	3/4"	58	120
ATK-00039B	3/4"	62	120
ATK-00039C	3/4"	67	120



Truck Tools

卡車工具

ATK-00024

Volvo Differential Mainshaft Bearing Installer

- Instruction:
Put the tools on the top bearing.
Use hydraulic press push the tool.
- Then you can finish
installing the bearing.
- Application: VOLVO FH/FM



ATK-00031K

Truck Spring Pin Metal Bush Removal / Installation Set

- Application:
VOLVO(FM12), RENAULT(430/450/460),
MAN-TGA (410/414/460), DAF



ATK-00019K

BPW Wheel Hub Bearing Tool Set

- Specially designed to use when change or remove the wheel hub bearing.
- Applicable: BPW 12T.



ATK-00023

Volvo Crankshaft Front Oil Seal Installer

- The tool can quickly and easily install oil seals and will not cause improper use of oil leaks, as long as the tool is placed on the crankshaft, hit the handle until the installation is complete.
- Application: Volvo D16F Engine.



ATK-00012

Scania (114) 340 / 360 / 380 Crankshaft Front Oil Seal Installer

- This tool is designed to install crankshaft front oil seal.
- It can install the oil seal without damage the oil seal & related parts.
- Oil seal OEM No : 1392708
- Application: Scania (114) 340/ 360/ 380 truck.



ATK-00013 7 PCS

ATK-00014 6 PCS

BMW Differential Front Bush Removal / Installation Tool Set

- The front differential bushing on the BMW can be removed/ installed without removing the differential.
- Application:
BMW (F01/ F02/ F04/ F06/ F07/ F10 - F13/ F18)



ATK-00013



ATK-00014

Truck Tools

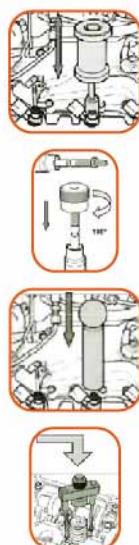
卡車工具



ATK-00011

Injectors Nozzle Extractor Set For VAG (PAT.)

- Suited to the dismantling of injectors.
- Suitable for TDI, FSI, SDI, common rail & pump injector engines.
- Robust design.
- For the extraction of the firmly burned injectors in the cylinder head.
- Cylinder head does not work against the thrust bearing.
- Avoids tilting of the injectors.
- Including extensive range of adapters.
- Application Range : [TDI] [FSI] [SDI] VW, AUDI, SEAT, SKODA.



ATK-00052K

Large 20" Snap Ring Pliers Set

- One Internal Snap Pliers & One External Snap Ring Pliers.
- Includes extra 2 sets of replaceable 3.5mm diameter tips-straight, 90°.
- Replaceable tips and spring ratchet looking mechanism to hold giants snap ring tension.
- With 4 sets of bolt, nut and washer.
- Internal pliers capacity: 165mm to 300mm.
- External pliers capacity: 165mm to 300mm.



ATK-00050K

10-1/2" Heavy Duty Snap Ring Pliers Set

- One Internal Snap Pliers & One External Snap Ring Pliers.
- Includes extra sets of replaceable 3mm diameter tips-straight, 15°, 45°, 90°.
- Replaceable tips and spring ratchet looking mechanism to hold giants snap ring tension.
- Plastic box with 6 pieces screw.
- Internal pliers capacity: 60mm to 85mm.
- External pliers capacity: 40mm to 85mm.



ATK-00051K

Large 16" Snap Ring Pliers Set

- One Internal Snap Pliers & One External Snap Ring Pliers.
- Includes extra sets of replaceable 3mm diameter tips-straight, 45°, 90°.
- Replaceable tips and spring ratchet looking mechanism to hold giants snap ring tension.
- With 6 sets of bolt, nut and washer.
- Internal pliers capacity: 85mm to 170mm.
- External pliers capacity: 85mm to 170mm.





Truck Tools

卡車工具

ATK-00046

Grease Cap Pliers

- Grease and hub cap tool.
- Tapered jaws of the tool fit behind the crimped edge of the grease cap preventing damage while removing it from the hub.
- Opposite end handle hook removes wheel hub caps.



ATK-00025

Volvo Output Shaft Tool

- Can install transmission real oil seal easily and conveniently.
- Applicable: VOLVO (FM) truck



ATK-00047

1/2" Socket For Tie Rod End

- Universal application.
- Fits most cars and some trucks.
- Designed for the quick and trouble-free removal and installation of the tie rod ends
- After separating the ball joint from steering knuckle, slip tool over tie rod end and remove.



ATK-00030K

Volvo Hydraulic Lift Cylinder remover/ Installer Set

- This tool is designed for removing and installing the oil seal of hydraulic lift cylinder.
- Application: VOLVO (FM12) truck after 2005.
- Material: SCM 440
- Size: Dr 3/4"



ATK-00028

DAF Piston Ring Installation Sleeve

- Special design of cone tool make piston ring into cylinder sleeve easily, save time and labor!
- Used to guide the piston into the cylinder sleeve during piston installation.



ATK-00020

Scania Piston Installer

- Specially designed to install cylinder piston ring.
- Cylinder size: Ø127mm.
- Applicable: SCANIA 112, 113, 114, P340, P360, P380, P400 engine.



Truck Tools

卡車工具



ATK-00026

Volvo Serpentine Belt Adjust Tool

- Specially designed to use on remove and install fan belt when release serpentine.
- Applicable: VOLVO FM12 380/420/430.



ATK-00034K

DAF Truck Transmission Assembly Remove / Install Set (ZF16S)

- Applicable: European truck - DAF, Japanese truck - HINO



ATK-00022

SCANIA Crankshaft Rear Oil Seal Installer

- Special designed to install the crankshaft rear oil seal without damage the oil seal and related parts.
- Seal size: $\varphi 140 \times \varphi 160 \times 12L$
- Applicable: SCANIA (114) 340/360/380, P.R series truck



ATK-00029

TRUCK Mount/Demount Tool

- CR-V tyre lever with hook ends.
- Suitable for use on commercial vehicle tyres.
- Length: 940mm, Ø19MM



ATK-00027

Volvo Truck Timing Gear Cover Installer

- Special designed to fix gear cover.
- It might cause gear cover leak oil without this tool.
- Applicable: VOLVO TRUCK.



ATK-00016

Volvo (FM12) Truck Injector Sleeve Remover / Installer Set (5 PCS)

Removal:

- Put the 2-1 puller into cylinder to reach sleeve. Screw top nut to make puller retain sleeve, then install 2-2 puller ring & assemble No.1 puller, screw top nut & take out the old sleeve.



Installation:

- Put new sleeve into 3-1 Expander, then install 3-2 THREAD TAP, finally put the whole tool into cylinder, screw the top nut, then the new sleeve will be installed perfectly.
- Application: VOLVO (FM12).



Truck Tools

卡車工具

ATK-00049 Series

Air Tubing Adaptor Clamp

- Grip the plastic tube, let the copper coupler can put into the tube easily.
- For truck, trailer and bus...use.
- Material: Alloy steel
- Surface treatment: Black plated



ATK-00049A



ATK-00049B



ATK-00049C

ITEM NO.	Fit the air tubing size
	mm
ATK-00049A	7, 9, 10, 12, 14
ATK-00049B	8, 9, 10, 11, 12
ATK-00049C	15, 16, 18

ATK-00032

Volvo Truck Radiator Quick Adaptor

- This quick coupling female adaptor is used to purge or refill radiator fluid on Volvo trucks.
- It provides a quick and clean method of fluid transfer and prevents an unwanted spillage.
- Applicable: Volvo trucks.



ATK-00033

SCANIA Radiator Quick Adapter

- This quick adaptor is used to purge or refill radiator fluid on SCANIA 340 / 360 trucks and buses.
- It provides a quick and clean method of fluid transfer and prevents an unwanted spillage.
- Applicable: SCANIA (340 / 360) trucks and buses.



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W10PGD0809	78	W10PGQ16	82	W10RPG26	77	W10SSRPG1922	83	W1309LH-CFTR	135
W10PGD0810	78	W10PGQ17	82	W10RPG27	77	W10SSRPG9/16"x11/16"	83	W1309LTT-CFTR	135
W10PGD1011	78	W10PGQ18	82	W10RPG30	77	W11AP04GB(C)(M)	133	W1309SLBH-CFTR	137
W10PGD1012	78	W10PGQ19	82	W10RPG32	77	W11AP06GB(C)(M)	133	W1309SLTT-CFTR	137
W10PGD1213	78	W10PGS 1/2"	81	W10RPGD 11/16"x3/4"	79	W11AP08GB(C)(M)	133	W1309THTT-CP	139
W10PGD1315	78	W10PGS 1/4"	81	W10RPGD 5/16"x3/8"	79	W11AP10GB(C)(M)	133	W1309TT-CAS	138
W10PGD1415	78	W10PGS 11/16"	81	W10RPGD 7/16"x1/2"	79	W11AP12GB(C)(M)	133	W1309TT-CFTR	135
W10PGD1618	78	W10PGS 13/16"	81	W10RPGD 9/16"x 5/8"	79	W11AP15GB(C)(M)	133	W1309TX-CAS	138
W10PGD1719	78	W10PGS 3/4"	81	W10RPGD0608	79	W11AP18GB(C)(M)	133	W1309XLBH-CFTR	136
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W10PGD2426	78	W10PGS07	81	W10RPGD1618	79	W11LS06	132	W1313XLH-CFTR	137
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W10PGDL 9/16"	80	W10PGS15	81	W10RPGD2326	79	W11RP06B(C)(M)	133	W1320THTT-CP	139
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