

Inner Tie Rod Removal Set



AC21-520AM

- Remove and install inner tie rods without removing steering gear
- Adapters fit into the tie rod socket. 1/2" drive ratchet fits drive end
- Kit services both old and new style inner tie rods
- Use 520 socket alone to work on older Ford and Chrysler vehicles-
- Use socket and 30mm adapter for Ford FWD vehicles with rack and pinion power steering with new style tie rods, use socket and 34mm adapter for Ford RWD and most Chrysler vehicles with rack and pinion power steering with new style tie rods
- The socket with the 36mm adapter services GM and Chrysler car with Saginaw steering gear

Injector Extractor



AC21-047B

- For removing seized or stuck common rail injectors without having to disassemble the cylinder head.
- Applicable for Mercedes Benz CDI engines 611, 612, 613, etc. *Especially suited to the limited spaces due to the cylinder head cover.
- 1pc impact extractor
- 1pc injector claw
- 1pc external adapter with internal threads, in conjunction with impact extractor

2pcs Locking Screw Set



AC87-818

- Material: S45C steel zinc plated and black finish
- 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

14pcs Engine Shaft Seal Installer



AC87-P666

- Material: S45C, brass steel, Chrome plated and PH black Finish
- For precise-fit, damage-free replacement of the shaft seal
- Type: Audi, VW, Ford, Seat, Skoda. Petrol 3-CYL 1.2 and 4-CYL Petrol 1.0, 1.2, 1.4, 1.6, 1.8, 2.0 camshaft, intermediate shaft, crankshaft (pulley-side) petrol 6-CYL crankshaft (pulley-side) diesel 1.2 + 1.4 (3-CYL), 1.4, 1.6, 1.9, 2.4, 2.5 camshaft, intermediate shaft, crankshaft (pulley-side)
- Bolt M16 with nut and sleeve
- Guide bush 33.2 x 24
- Bushing
- Bolt M18 with nut
- Bolt M14 with nut and sleeve
- Bolt M12 with nut and sleeve
- Guide bush 34 x 24
- Guide bush 37 x 24
- Guide bush 38 x 24
- Guide bush 32 x 24

9" Fuel Feed Pipe Plier



AC87-P648

- Material: Aluminum steel 9"L
- To removal and replacement of the connections on the in-line fuel filter required when replacing the fuel filter or during engine repairs
- Suitable for Alfa, Audi, VW, Fiat, Lancers and Volvo

Injector Puller Set Mercedes CDI



AC21-047C

- This six pieces puller set has been especially designed for removing stubborn injectors on Mercedes Benz vehicles fitted with CDI engines
- Packed in a blow molded case

Serpentine Belt Tool



AC21-410A

- 3/8" drive 13mm crowfoot wrench (GM quad four engine)
- 3/8" drive 14mm crowfoot wrench (Saturn engine)
- 3/8" drive 15mm crowfoot wrench (Ford Windstar with 3.8L engine)
- 13mm socket on handle (late model GM quad four engine)
- 14mm socket (1.9L Saturn)
- 15mm socket (some GM and Chrysler)
- 16mm socket (Ford 3.8L & 4.0L)
- 18mm socket (GM 3800 engine)
- 3/8" square drive socket (3.1L GM)
- 1/2" square drive socket (late model GM and Ford short extension, allows easier access on some Fords)

2pcs Belt Installation And Removal Tool



AC87-P664

- Material: Cr-Mo steel
- Suitable for BMC, Chevrolet, Citroen, Fiat, Ford, Peugeot, Skoda, etc

3pcs Glow Plug Puller And Reamer Kit



AC87-PR3PCS

- 1x glow plug puller ø9
- 1x reamer for 8mm glow plug ø6 x M10 x 1.0p
- 1x reamer for 10mm and 12mm glow plug ø7.3 x M12 x 1.25p
- For removal of stubborn glow plugs
- Reamers supplier for cleaning the glow plug apertures

8pcs Crankshaft Clamp Set



AC87-P673

- Material: special steel
- Black finish models: touareg 2003 >, Phaeton 2003 >, Transporter 2004 > 5 and 10-CYL. Diesel engine
- For removing and installing camshaft drive gear and eliminating play in gear train - for locking of both camshafts and crankshaft
- For use on Volkswagen touareg and transporter 2.5 TDI PD models with engine code: BAC, BLK, BPD, AXD, AXE, BLJ, BNZ, BPC (03-) plus 4.9D/TDI PD models with engine code: AYH (03-)

Diesel Pump Locking Tool



AC87-P658

- Material: special steel
- Feature: for pump pulley locking
- Use for Nissan, Opel & Renault diesel motor code F9Q

18pcs Special thin Glow Plug Removal Socket Set



AC87-826

- Simple cost-saving, replacing the individual glow plug
- The PSG-Glow plugs with pressure sensor should be mounted with protecting cap in order to save the plug-in connection of the PSG-Glow plugs from pollution and electrostatic charging
- Material: Cr-V steel chrome plated
- Size: 3/8"DR. universal joint socket 8-9-10mm 72L
- Slot socket 8-9-10mm
- 1/4"DR. socket 8mm without 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

14pcs Injector Extractor With Slide Hammer Common Rail Puller



AC87-IE14P

- Material: S45C steel
- Total length: 510mmL
- Handle: 110mmL
- Slide hammer: 3.9kgs
- Adaptor: M14x1.5 for Delphi
- Adaptor: M17x1 for Bosch
- Adaptor: M20x1 for Denso
- Adaptor: M25x1 for Siemens
- Adaptor: M27x1 for Siemens
- Adaptor: M27x1 for Bosch injector nozzle
- Adaptor: Puller with M14x1.5P
- 4pcs injection nozzle socket 100L: 25-27-29-30mm 6p
- Feature: For removing stuck and the seized common-Rail injectors without dismount the cylinder head
- For all injection nozzle cars

8pcs Crankshaft Clamp Set



AC87-P695A

- Feature: design to remove all of the FSI fuel injectors for VW and Audi

33pcs Glow Plug Thread Repair Set



AC87-P696

- Material: Cr-Mo + S45C Steel, PH Black finish
- Tap size: M8x1.0, M10x1.0, M10x1.25, M12x1.0, M12x1.25, M14x1.25
- Thread coil size: M8x1.0(I)-M10x1.0(E), M10x1.0(I)-M12x1.0(E), M10x1.25(I)-M12x1.25(E), M12x1.25(I)-M14x1.25(E)
- 2-thread coil driver feature: design to repair the thread for the glow plug threads

Twin Cam Adjustable Timing Locking Tool



AC87-P656

- Material: Aluminum steel
- Design for each type twin cam locking tool
- Special design for adjusting the pin to lock the cam
- DOHC engine

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Hydraulic Nut Splitter Set



AC21-773

- For the splitting of sized or over tightened bolts without damage to the bolt thread
- Working range from 7-36mm
- Inductively hardened cutting edge
- Small execution - range from 7-22mm (Especially suitable for narrow hard to access areas)
- Large execution - range from 22-36mm (In plastic storage case)

Tire Valve Retracting Tool



AC21-140609

- For pulling rubber-covered valves of different sizes into the rim holes of tubeless tires
- T-handle allows installing the valve without lifting it over the rim edge

Valve Screwdriver



AC21-131206

- Double sided usable for short and / or long valves
- Also suitable for use as a socket cap driver
- Cars, and Vans

Valve Screwdriver



AC21-131205

- Double sided usable for short and / or long valves
- Also suitable for use as a socket cap driver
- Cars, commercial vehicles and construction machines

Fender Finisher



AC21-653

- The easiest way to gently after factory edges
- Reduce wheel rub on a lowered front end
- Great for large wheel / tire combos
- No need to remove tire ; use in your garage or driveway

4pcs Transmission And Oil Dipstick Mercedes-Benz



AC53-0T171E

- NO.A Red: 1220mm long for gearbox oil on 722.6_L / G / P / V
- NO.B Green: 920mm long for gearbox oil on 722.7_P / 722.8_P / 16.5_V
- NO.C Blue: 930mm long for engine oil on M112 / M113 / 646 / 647 / 648
- NO.D Yellow: 930mm long for engine oil on 103.943 / 984 / 985 / 104 / 111 / 119 / 120 / 137.603 / 913 / 963 / 97 / 604 / 605 / 606 / 611 / 612 / 613 / 628 / 612 / 965

Wheel Hub And Bearing Master Kit



AC21-593

- The product is the only equipment designed to accurately and efficiently extract or install hubs and singular wheel bearings of spindle assemblies
- It will tackle front, rear or all wheel drive vehicles with independent suspension and equipped with a solid roller ball bearing
- The application is strictly for wheel assemblies where power is applied from the motor to the wheels, equipped with independent suspension and use a singular solid roller bearing at that wheel
- It's unit on the market to "track arrow straight" when properly assembled on the vehicle under load
- It tackles most front wheel drive Asian, European and some domestic vehicles and within its exclusive design the only unit to tackle rear wheel drive European vehicles

12pcs Airbag Removal Tool Set



AC53-ABR012

- 5- 1/4"Dr. x 87mm(L) Bit Socket :
- 2-Torx: T25 (For BMW) , T30 (For Audi, Opel, Renault, VW)
- 2-Torx (tamperproof): T25H (For BMW), T30H (For Audi, BMW, Mercedes, Opel) 1-Hex: 5mm (For Audi)
- 7-Airbag Removal Tool:
- 1-#1 : Airbag removal tool is used to remove driver airbag from steering wheel on 1999-04 new bodystyle VW PASSAT , JETTA, GOLF & BEETLE.
- 2-#2 : For VW PASSAT B5, POLO, LUPO; AUDI A4, A6; SKODA SUPERB.
- 2-#3 : For VW GOLF 4, NEW BEETLE, SEAT, SKODA FABIA, OKTAVIA AB BJ . 99
- 1-#4 : For VW GOLF 4 (BJ, 1998-2004), VW PASSAT AB BJ. 1997, BORA AB BJ. 1999
- 1-#5 : For VW-MODELLE U.A: PASSAT AB BJ. 2000

BMW Wheel Screw Lock Socket Set



AC53-BT10

- Operate with 17mm socket.
- Contents: #30(13PT), #31(15PT), #32(16PT), #33(17PT), #34(18PT), #35(19PT), #36(20PT), #37(21PT), #38(22PT), #40(23PT).
- Applicable for installing and removing locks of most BMW models

3pcs 1/2"DR. Shaft Impact Deep Socket



AC53-IDS403

- 1/2"DR. 12pt shaft impact deep socket: 30-32-36mm
- CR-Mo steel ,hardened & phosphate finish

8pcs 1/2"DR. Shaft Impact Deep Socket & Bit Socket Set



AC53-IDS408

- 5-1/2"DR. 12pt shaft impact deep socket: 30-32-34-35-36mm
- 3-1/2"DR. x 43L impact bit socket: HEX-14-17-19mm
- CR-Mo steel ,Hardened & Phosphate Finish

6pcs 1/2"DR. Shaft Impact Deep Socket & Bit Socket Set



AC53-IDS406

- 3-1/2"DR. 12pt shaft impact deep socket: 30-32-36mm
- 3-1/2"DR. x 43L impact bit socket: HEX-14-17-19mm
- CR-Mo steel, Hardened & Phosphate Finish

5pcs Screw Extractor Set



AC53-OT148

- Material: chrome moly steel:
- No.1 1/8"-1/4" (M 3 -6)
- No.2 1/4"- 5/16" (M 6 -8)
- No.3 5/16"-7/16" (M 8 -11)
- No.4 7/16"-9/16" (M 11-14)
- No.5 9/16"-3/4" (M 14-18)

5pcs Screw Extractor Set



AC53-OT148A

- Material: chrome moly steel:
- No.1 1/8"-1/4" (M 3 -6)
- No.2 1/4"- 5/16" (M 6 -8)
- No.3 5/16"-7/16" (M 8 -11)
- No.4 7/16"-9/16" (M 11-14)
- No.5 9/16"-3/4" (M 14-18)
- No.6 3/4"-1" (M 18-25)

Windscreen Wiper Arm Removal Tool 15.5 x 26 mm



AC53-OT150

- The special design offers easy access in confined space and eliminates the risk of damage to the wiper arms.
- A simple, effective tool allowing easy removal the stubborn wiper arms.

Wiper Arm Puller 16 x 46 mm



AC53-OT150A

- Avoids damage of the car body and wiper arm
- Fine thread
- Height 85 mm
- Fits BMW

Wiper Arm Puller 26 x 39 mm



AC53-OT150B

- The special design offers easy access in confined space and eliminates the risk of damage to the wiper arms.
- A simple, effective tool allowing easy removal the stubborn wiper arms.

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Wiper Puller



AC53-OT150C

- Universal windscreen wiper arm puller 2 arm
- Hollow draw off spindle to prevent any damage to the rear wiper blades
- Mouted spherical centering point
- For use with Audi, VW, Skoda Seat & other.

Universal Wiper Arm Puller



AC53-OT150D

- Adjustable arms
- Reduces risk of damage to the wiper arm

VW, AUDI Camshaft Adjusting Socket Set



AC53-OT186C

- 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.

This set includes the original tool T10352 and the new versions T10352/1 and T10352/2. Set of 3 sockets. 3/8" drive, outside diameter 34mm.

8pcs Changeable Spanner Torque Wrench Click Type



AC53-OT222A

- 7pcs Spanner size: 17-19-22-24-26-27-29mm

12pcs Changeable Hammer Kit



AC53-OT252B

- Body*1, wrench*1, screws*4, plastic board golden hammer*1,
- Aluminum board golden hammer*1, copper alloy board golden hammer*1,
- Stainless steel board golden hammer*1, lesser dentate board golden hammer*1,
- Larger dentate board golden hammer*1, flat-bottom board golden hammer*1,
- Sharp-pointed board golden hammer*1, oblique board golden hammer*1, withdrawal of tool*1

4pcs 1/2"DR. Lug Nut Removal Socket Set



AC53-OT269-4

- Size: 17-18.5-21.5-26 mm x 38mm(L)
- Functions as nut splitter
- Applicable for stuck or damaged nuts

VW Bush Remover / Installer (Polo)



AC53-OT290A

- Suitable for VW Polo (9N) front-axle bracket wishbone silent blocs.
- The removal and replacement of the silent bloc placed in dir bracket is easily and safely carried out directly on the vehicle by using the extractor.
- Applicable: VW Polo (9N); SEAT Ibiza IV, Cordoba (ab Bj. 02) Altea, Skoda Fabia, Roomster; AUDI A2

7pcs 1/2"DR. Twist Socket Set



AC53-OT269-7

- Cr-Mo steel, hardened, black finish
- Size: 17-18.5-20-21.5-23-24.5-26 mm

Stud Remover Capacity



AC53-OT284

- Head studs, main studs, carburetor studs, or any other stud can be problematic when it's time to remove them. Because this can be difficult, Powerhouse offers this tool designed to remove threaded studs or install the same from 1/4 to 3/4 inches. All that's required is a 1/2-inch drive ratchet.
- To 3/4" Carbon Body with H.T. Chrome Plated.
- Gear is Carbon steel with Black oxidized 1/2"Dr.

10-1/2" Heavy-Duty Replaceable Tip Circlip plier



AC43-2117

- For internal application tips must be toed inward.
- For external application tips must be toed outward.
- Feature replaceable tips and have a spring ratchet locking mechanism to hold circlip securely against tension offset tips make it easier to facilitate circlip.
- Replacement tips include:
 - 2 each .108 tips in 0°, 15°, 45°, 90°.
 - 2 each .120 tips in 0°, 15°, 45°, 90°.

4pcs Fan Hub Wrench Set (32-36-41-46 mm)



AC53-OT283

- 32mm Open end x 270mm length for reaction of the visco-coupling driver on BMW and FORD.
- 36mm Open end x 270mm length for reaction of the visco-coupling driver on FORD, OPEL and GM.
- 41mm Open end x 270mm length for twisting the water pump on OPEL and GM when tightening the belt on OHC-engines.
- 46mm Open end x 270mm length for twisting the water pump on OPEL and GM when tightening the belt on OHC-engines.

Soft Tip Air Hammer Set



AC53-OT252B

- Includes aluminum, brass, steel & nylon air tipped tools
- Non sparking
- Non marring for sensitive surfaces
- Replaceable hammer heads
- Lifetime warranty on body
- For aluminum body cars
- 0.401" shank tools

16" Internal-External Heavy-Duty Circlip Pliers Set



AC43-2125

- Features replaceable points and spring ratchet locking mechanism to securely hold against circlip tension.
- Internal: 3-1/16" - 6-1/4".
- External: 3-1/2" - 6-1/2".
- Tip Diameter: 0.12" (3mm).
- Spread: 3 - 1/4" (85mm).
- Length: 16" (400mm)

Special Triple-Arm Puller Set



AC53-OT264A

- 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.
- Beam 3 - Arm x 1 pcs
- Beam 2 - Arm x 1 pcs
- Spindle x 1 pcs
- Pair of Clamps short (for 3 Hooks)
- Pair of Clamps middle (for 3 Hooks)
- Pair of Clamps long (for 3 Hooks)
- Hooks (extremely tight) x 9 pcs

Blind Bearing Puller Set



AC43-7009

- Slide Hammer Shaft: 1.2ft Long (390mm)
- Hammer: 2.15lb. (940g), 1000mm L.
- 1x Slide Hammer with T-Handle
- 8x Collets
 - 8mm 5/16" To 13/32" (8~10mm)
 - 10mm 13/32" To 15/32" (10~12mm)
 - 12mm 15/32" To 9/16" (12~14mm)
 - 15mm 19/32" To 11/16" (15~17mm)
 - 17mm 11/16" To 25/32" (17~20mm)
 - 20mm 25/32" To 15/16" (20~24mm)
 - 25mm 1" To 1-1/8" (25~29mm)
 - 30mm 1-3/16" To 1-1/4" (30~32mm)



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CV Boot Clamp Pliers



AC43-2140

- For tightening of clamps (system Oetiker) on CV boots, water and fuel hoses.
- Suitable for Audi, BMW, Chrysler, Ford, GM, Honda, Mazda, Mercedes, Nissan, Opel, Vauxhall, VW, etc.
- Advantages:
 - No damage to spring band clamps.
 - No damage to hoses.
 - Easy and quick replacement of hoses

3pcs CV Boot Band Service Set



AC43-5238

- 1pc C.V. boot band cutter
- 1pc C.V. joint banding tool with cutter
- 1pc C.V. joint boot clamp plier

Exhaust Hanger Removal Plier



AC78-1120

- The adjustable head provides wide-angle applications
- The extended body length of 367mm with large coated handle grip saves energy

CV Joint Banding Tool With Cutter



AC43-81433

- Tool is easily removed, by sliding sideways after winding has been completed.
- Place band around boot and through nose of tool and through slot in winding body.
- Using a 1/2" socket wrench or by hand wind the band until sufficient tension is applied.
- Rotate handle over the boot to lock the band.
- Slide tool Free-end down with a hammer.

Hose Pincher



AC78-1110

- Hose pincher is able to stop fluid flow and avoid damaging hoses
- Adjustable for must types of hoses, especially for brake, fuel and cooling system hoses
- Increased length of 310mm is specially designed to enhance working safety
- Maximum application can be as wide as 25.4mm
- Rotate the nut on top to fasten the targeted hose

4pcs 1/2" DR. Deep Impact Socket Set



AC08-833604

- Aids in removal of damaged lugnuts.
- Also can be used to remove stripped.
- Includes: 17, 19, 21, 22mm

E-Ring Tool Insert & Release Set



AC43-2000

- Using the release side push out the "E-Ring" directly.
- Take the "E-Ring" on the insert side, and then push it in.

13pcs Go-Through / Twist Socket Set



AC78-1033A

- 3/8" DR. 8-10-11-12-13-14mm & 1 punch bar
- 1/2" DR. 16-17-18-19-21mm & 1 punch bar

11pcs 3/8" DR. Anti-Skid Socket Set



AC08-835611

- Suitable for removal of damaged lugnuts.
- Also can be used to remove stripped.
- 11pcs 3/8"Dr. Anti-skid-socket

5pcs Scraper And Remover Set



AC08-750405

- Suitable for variety of application including removing
- Cottor pins, radiator hoses, flaking paint and gaskets
- Material: Carbon steel + pp handle
- 11" multipurpose scraper
- 8-1/4" multipurpose scraper
- 7" radiator hose remover
- 8" scratch awl
- 9" cotter pin puller

4pcs Mini Hook And Pick Set



AC08-751204

- Design to ease the removal of "O"ring, cotter pins seals and bushes in various automotive application
- 1pc combination pick
- 1pc 90° pick
- 1pc straight pick
- 1pc hook pick
- Length: 125mmL

Transmission Oil Cooler Line Disconnect For Ford



AC08-533202

- Two sizes, 3/8" and 1/2" are designed to disconnect transmission cooler lines.

4pcs Seal And O-Ring Remover Set



AC08-781204

- 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

CV Boot Band Cutter



AC43-2139

- Special design to easily cut the stainless steel clamps without damaging the CV boot.
- Spring loaded action with heat treated 440 steel jaws and comfort grip handles.
- Length: 8-1/2" (216mm).

19pcs Flexible Hose Clip Driver Set



AC43-2133A

- 10pcs 1/4"×25mm Bits (clip-on bit holder)
- 1pc 1/4" sq. × 610mm Socket Driver
- 1pc 1/4" Hex F × 610mm Bit Holder Driver
- 1pc 2 In 1 Flexible Pick up Tool
- 1pc Inspection Mirror
- 1pc LED light

3pcs Seam Splitter Set



AC08-627203A

- 90 angle seam splitter
- 30 offset seam splitter
- Coated stainless with handle

Hose Clamp Pliers



AC82-080

- For spring band hose clamps

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4pcs Flexible Nut Driver Set



AC43-2133A

- 5mm – 8mm Flexible Nut Driver Set
- Ideal for Quick Access to Hose Clamps on Various Makes and Models
- Handles Constructed of Tough Composite Plastic

Flexible Hose Clamp



AC06-6241A

- For replacement of fuel, oil and water hose
- Hose clamp with flexible 630mm wire
- Convenient for working hidden areas and long distance

Spark Plug Cable Puller (For VW / Audi)



AC06-62338

- Removing and installing spark plug connectors
- Spark plug socket remover for new beetle and cars with 2.0 engines AZJ. Locking, VW Golf IV & V with 1.6 engine, VW, Audi, bora, Mercedes, Smart, etc...
- Length: 264mm
- Made of stainless steel

PSA Exhaust Pipe Clamp Plier



AC06-6388

- Special design to hold opening the spring clamp and replace the exhaust
- Total length: 300mm MAX
- Jaws opening: 60mm

Universal Hose Clamp Pliers (For Spring Type Hose Clamp)



AC06-62363

- Specialty jaw design will work on all 3 style hose clamps. Standard, space saver & preopened
- Strong ratcheting construction is more secure lock on hose clamp, less of a chance the clamp flying off causing an injury
- 630mm cable is flexibility enables user to reach, remove and lock clamp into the open position
- The jaw open capacity from 7 to 60 mm

Spark Plug Cable Remover Tool



AC06-62345

- For metal spark-plug caps. To release and detach plug-leads from inaccessible locations, such as VW, Audi, Mercedes, Smart, etc...
- Product length: 350mm

25pcs Screw Extractor Drill & Guide Set



AC06-1037

- Fluted type extractors that provide a solid grip on broken stud's screws
- These screw extractors do not expand the screw while turning and their special design ensures a positive grip when driven into the drilled out hole
- Drill size is stamped on each extractor for ease of identification
- Range: 3/16" to 9/16" (5 to 16mm)

Reaction Wrench (VW, Golf, Passat, Audi)



AC06-62104

- For locking the pulley on the water-pump on VW Polo, Golf, Passat, Audi 80 / A4
- The 1/2" drive in the tools handle enables an extension of the tool by E.G.A ratchet
- Easy loosening of stubborn bolts on the water-pump pulley

Spark Plug Cable Remover Tool



AC06-62345A

- For metal spark-plug caps. To release and detach plug-leads from inaccessible locations, such as VW, Audi, Mercedes, Smart, etc...
- Product length: 225mm

Corbin Style Hose Clamp Pliers



AC06-62253

- For corbin (wire) style hose clamps
- Tips trap and hold clamp and swivel for multiple angle access

Hose Clamp



AC06-62254

- Material: CR-MO
- Thickness: 4mm
- For flat ear style hose clamps
- Tips trap and hold clamp and swivel for multiple angle access

Hose Clamp



AC06-62255

- Material: CR-MO
- Thickness: 4mm
- For flat ear style hose clamps
- Tip trap and hold clamp and swivel for multiple angle access

Hose Clamp



AC06-62256

- For flat ear style hose clamps
- Tips trap and hold clamp and swivel for multiple angle access

Clip-R Collar Pliers



AC06-E6279

- For releasing and refitting reusable hose clips, types "clip" and "Clip-R"

Hose Clamp Plier (Angle Type)



AC06-62189

- Designed with angle type to any space
- Swivel tip designed for refitting and release
- For clic and clic-r type hose clamp

Bulbs Pliers



AC06-62135

- Special pliers for mounting and dismounting wedge base bulbs
- Use for most of the car

VW / Audi Belt Tension Adjuster Tool



AC06-62294

- Special angle designed for adjusting the belt tension on the free roller
- Applicable: VW, Audi
- Size: 195 mm x 6 mm ø20.5mm

Reaction Wrench



AC06-62103

- For locking of deep-drawn water-pump pulleys on VW and Audi engines, as they are used when E.G. an air conditioning is also built-in
- Safe locking of the water-pump pulley
- Easy loosening of stubborn bolts on the water-pump pulley

Universal Camshaft Pulley Holding Tool



AC06-6250

- This wrench is designed with grooved pins to hold the camshaft pulley stationary while loosening and tightening the center shaft bolt while useful on most Asian overhead cam-engines

4pcs Super Scraper



AC21-480

- Works like a chisel
- Tough plastic handle can be hit with a hammer
- Re-sharpen when needed with a file
- Sizes: 3/4", 7/8", 1", 1-1/2"

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Two Way Oil Filter Wrench (60-80 mm)



AC53-OT157B-80

- Special designed to install and remove the oil filter easily and quickly.
- With pull spring to make it hold the filter easily.
- Use with 1/2" Dr. or 21mm wrench.
- Size: range 60-80mm

Two Way Oil Filter Wrench (80-115 mm)



AC53-OT157B-115

- Special designed to install and remove the oil filter easily and quickly.
- With pull spring to make it hold the filter easily.
- Use with 1/2" Dr. or 21mm wrench.
- Size: range 80-115mm

Two Way Oil Filter Wrench (115-140 mm)



AC53-OT157B-140

- Special designed to install and remove the oil filter easily and quickly.
- With pull spring to make it hold the filter easily.
- Use with 1/2" Dr. or 21mm wrench.
- Size: range 115-140mm

30pcs Cup Type Oil Filter Wrench Kit



AC43-65300

- These cup-type filters are made of 7 & 16 gauge construction and are able to withstand up to 85ft. lbs of torque.
- Cup-type design grips like a socket minimizing the possibility of crushing filters.
- Fits 1/2"x3/8" square drive tool coated with electro-black oxide finish for protection against rust.
- Two way oil filter wrench 65-120mm.
- Adapter 1/2"(F) x 3/8"(M) square drive tool.

9pcs Cup Type Oil Filter Wrench For Truck



AC43-65909

- Oil filter wrench.
- Special wrench 21mm x 12PT.
- 36mm - 6 Mercedes Benz (Axor BR400, Atego BR900, Actros BR500) / Scania (PDE V8-Motor, HPI-Motor).
- 74mm - 14 Mercedes Benz (Sprinter motor version 600) / VW (Transporter).
- 106 mm - 15 MAN (8-10 To. - Serie L2000) / Scania (PDE-Motor) / Fiat (Ducato 2.5 D/TD) / Iveco.
- 107mm - 15 Volvo / Iveco / Renault / Scania.
- 108mm - 15 Volvo / Iveco / Renault / Scania.
- 108mm - 18 Renault Transporter (Master, Traffic 2.4 / 2.5 / 2.8 D/TD) / Opel (Movano).
- 135mm - 18 MAN (18-48 To. Serie F2000, TGA).

15pcs Cup Type Oil Filter Wrench Kit



AC43-65100

- 65mm (2-9/16") / 14 flutes - 1 step.
- 68mm (2-11/16") / 14 flutes - 1 step.
- 73mm (2-7/8") / 14 flutes - 1 step.
- 74-76mm (2-29/32 to 3") / 15 flutes - 2 step.
- 76mm (3") / 14 flutes - 1 step.
- 80mm (3-9/64") / 15 flutes - 1 step.
- 93mm (3-21/32") / 15 flutes - 1 step.
- 93mm (3-21/32") / 36 flutes - 1 step.
- 65-67mm (2-9/19" to 1-21/32") / 14 flutes - 2 step.
- 80-82mm (3-9/64" to 3-7/32") / 15 flutes - 2 step.
- 90mm (3-17/32") / 15 flutes - 1 step.
- 75-77mm (2-15/16" to 3-1/32") / 15 flutes - 2 step.
- 76mm (3") / 30 flutes - 1 step.
- 100mm (4") / 15 flutes - 1 step.
- Adapter 1/2"(F) x 3/8"(M) Square drive tool.

Three-Leg Oil Filter Wrench



AC43-45110

- Suitable for filter between 45 to 110mm

Two Way Oil Filter Wrench (63-102 mm)



AC43-63102B

- Removes all oil filters from 2-1/2" to 4" in diameter.
- Use with 1/2" or 3/8" square drive tool.
- The three legs material: mid-carbon steel.
- The center gears material: CR-MO.

Three-Leg Oil Filter Wrench (65-120 mm)



AC43-H63012B

- Removes all oil filters from 2-1/2" to 4"-3/4" in diameter.
- Use with 1/2" or 3/8" square drive tool.

Two Way Oil Filter Wrench (63-102 mm)



AC43-63012A

- Removes all oil filters from 2-1/2" to 4" in diameter.
- Use with 1/2" or 3/8" square drive tool.
- The three legs material: mid-carbon steel.
- The center gears material: CR-MO.

Two Way-Oil Filter Wrench (65-120 mm)



AC43-15103

- Removes all oil filters from 2-1/2" to 4"-3/4" in diameter.
- Use with 1/2" or 3/8" square drive tool.

Wire Type Oil Filter Wrench



AC82-025D

- Universal application
- Spanner ø75-100mm

Oil Filter Wrench Set



AC78-1260

- A combination of 9 oil filter wrenches
- Suitable for a wide range of different vehicles: GM, Toyota, Hyundai, BMW, Ford, Audi, Volkswagen and so on
- Materials used are aluminum, SCM440 and S45C carbon steel
- Work with a 3/8" ratchet wrench or with a 27mm-socket
- This is the complete set of different oil filter wrenches. Each type can also be purchased individually
- The following pages include the detailed information and applications of oil filter wrenches

Fuel Tank Sender Spanner Set (Adjustable)



AC82-025B

- Universal application
- For removing and replacing the plastic retaining rings on the sender unit on fuel tanks
- Tank sender spanner ø80-122mm
- Drive 24mm

Fuel Tank Sender Spanner Set (Adjustable)



AC82-025C

- Universal application
- For removing and replacing the plastic retaining rings on the sender unit on fuel tanks
- Tank sender spanner ø75-160mm
- Drive 24mm

Fuel Tank Sender Spanner Set (Adjustable)



AC82-025A

- Universal Application
- For removing and replacing the plastic retaining ring on the sender unit on fuel tanks
- Tank sender spanner ø110-170mm
- Drive 24mm

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46mm Filter Wrench



AC06-621111

- The special socket is suitable for the operation of the filter housing cap when replacing the ad blue filter on mercedes-benz commercial vehicles with blue tec engines
- Suitable for these vehicles as below: Actros / Atego / Axor / Eonic
- Do not use with air or power tools

Two Way Oil Filter Wrench



AC06-624410

- Special designed to remove and install the oil filter easily and quickly
- With pull spring to make it hold the filter easily
- Size: ø60-80mm
- Use with 1/2"DR. or 21mm wrench
- Leg length: 21 mm

Heavy Duty Oil Filter Chain Wrench



AC06-6386

- Available for all type of oil filter
- Flexible handle for narrow space
- Size available: ø 60-105mm
- Length of chain: 350mm

Reversible Filter Wrench



AC06-6293

- Special design to remove & tighten most of the oil filters quick & easy to change the direction
- Steel jaw grip filter without slipping
- The large range enables this to fit most standard size filters from 66-83mm
- Use with 3/8" drive

Two Way Oil Filter Wrench



AC06-624420

- Special design to remove and install the oil filter easily and quickly
- With pull spring to make it hold the filter easily
- Size: ø80-110mm
- Use with 1/2"DR. or 22mm wrench
- Leg length: 30mm

Oil Filter Wrench (Strap)



AC39-611A

- 1/2" x 3/8" sq. drive or 13/16" (21mm) open end spanner
- Suitable for filter up to 300mm diameter

Oil Filter Wrench (Strap)



AC39-612

- 1/2" DR. of 13/16" (21mm) open end spanner
- Suitable for filter up to 120mm diameter

1/2"DR. Self-Gripping Oil Filter Wrench



AC06-62184

- 1/2" drive (adaptor) & 3/8" drive
- Suitable for filter 80-120mm

Two Way Oil Filter Wrench



AC06-624430

- Special design to remove and install the oil filter easily and quickly
- With pull spring to make it hold the filter easily
- Size ø104-150mm
- Use with 1/2"DR. or 24mm wrench
- Leg length: 40mm

Oil Filter Wrench (Chain)



AC39-612A

- 1/2" DR. OR 13/16" (21mm) open end spanner
- Suitable for filter up to 120mm diameter

Oil Drain Plug Repair Kit



AC21-437A

- For threads M14 x 1.5
- A special thread borer
- 5pcs M15 x 1.5p threaded plugs
- 5pcs ø19.3 washers

Oil Pan Repair Master Set



AC21-437B

- Feature: Solid and fast solution for the repair of defective oil drain screw thread without the expensive replacement of the sump
- Application: The damaged thread is simply to tap away to the next size expands. Oil drains screw in part with Allen drive for oil pans with recessed drain opening suitable
- Universal applications e.g. for: Audi, BMW, Citroen, Daimler-Benz, Ford, Fiat, Honda, Mazda, Mitsubishi, Nissan, Opel, Peugeot, Porsche, Renault, Saab, Seat, Skoda, Toyota, Volvo, VW, etc...
- Scope of supply: complete with 1/3 foam insert in the plastic case. Replacement oil drain screw and aluminum seals are available

Oil Filter Wrench With Thin Double Chain



AC21-935C

- 935C-1 suitable for filter ø60-115 mm
- 935C-2 suitable for filter ø60-170 mm

Swivel Jaw Filter Wrench Plier



AC21-998A

- Jaws swivel 90° in either direction to access most oil and fuel filters
- Works where other oil and fuel filter pliers and wrenches don't
- Jaws adjust to 4 positions, (30° increments) to fit most applications
- Slip-joint handle offers a big range from 2-1/4" to 4-3/4" (57mm to 120mm)
- Sure grip teeth prevent slipping
- Cushioned handles provide comfort

Piston Ring Compressor Set



AC06-62168D

- Filter cap wrench kit cap wrench kit with 6 different sizes for use with most popular vehicles
- A- 24mm for use on Cadillac 36
- B- 27mm for use on Mercedes A Class, VW 2.8L, 3.2L, 3.6L V6 used in Cadillac CTS/STS, SRX, Buick Rendezvous Ultra, Buick Lacrosse CXS, Saturn L3000, Saab 9-5 & Mercedes 1.8L
- C- 29mm (1-1/8") for Dodge cummins fuel filter housing
- D- 32mm for use on 2.2 Saturn Ecotec, Saab and GM
- E- 35 / 36mm for Ford 6.0L diesel fuel and oil filter housings, Mini Cooper and some BMW oil filter housings, and mack truck oil filter housing
- F- 38mm for use on vauxhall / Vectra 2 liter diesel engine
- G- 30mm for Korean car use

4pcs Oil Filter Cap Wrench Set



AC06-62168A

- 3/8" square drive
- Manufactured from chrome vanadium steel
- Size: 27mm, Mercedes: A class
- Size: 32mm, Vauxhall / Opel: Astra, Corsa, Zafira
- Size: 36mm, Vauxhall / Opel: Omega DL 16V Vectra, Zafira > 98 BMW: 16V, Ford: Mondeo 2.3D 16V dura torq. Engine, Transit 2.5 & 2.0 dura torq diesel engine. Mercedes: 116mb engine Vito cdi
- Size: 38mm, Vauxhall / Vectra 2 liter diesel engine

Heavy-Duty Strap Oil Filter Wrench



AC39-611

- Suitable for filter up to 150mm diameter

Volvo Fuel Tank Lid Tool



AC08-549101

- Special designed to remove and install the fuel tank lid on VOLVO diesel or petrol engine
- 1/2" DR. x 12 points 155mm
- Applicable: VOLVO - XC60, XC70, S40, S80, V50

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7pcs Stud Puller Wrench Set 3/8" & 1/2" DR.



AC53-OT208A-7

- For pulling wheel nut bearings
- Thread size of inner thread on sliding hammer is BSW 12G
- Thread size of inner thread of pulling foot is BSW 3/4"
- Total length with assembled pulling foot is approx. 51 cm
- Thread adaptor BSW 12 G x BSW 3/4" included

4pcs Stud Puller Wrench 1/2" DR. 6-8-10-12mm



AC53-OT208A

- Made of chrome vanadium.
- Special designed for using on screw damaged or without head to screw up and pull up.
- Size: 1/2"Dr. : 6, 8, 10 & 12mm

Puller For Ribbed Drive Pulleys



AC53-OT287

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

Timing Pulley Puller



AC53-OT288C

- 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

Seal Puller



AC78-1092

- No space limitation; Unique design of "curled" head
- Fits wide applications for nearly all engine without space limitation
- More efficient removal work; high quality "this but strong" tip
- Quick and simple, save time and energy
- Comfortable & convenient; t-shape grip with coating
- Avoids sliding and provides much more comfortable work

Cam & Crank Shaft Seal Puller



AC06-62278

- Engage the adjustable hook behind the seal
- Brace the push rod against the engine head then push the handle to remove the seal
- Remove the seal easily & quickly without damage to the cam & crankshaft

Puller For Ribbed Drive Pulleys Puller



AC06-62207

- Universal design for clamps onto any ribbed pulley
- This tool can use for crankshafts, alternators, air conditioning units, and water pumps

Universal Camshaft Sprocket Puller



AC06-62286

- Hold the sprocket and undo the retaining bolt or nut and remove
- This tool enables the removal of the camshaft sprocket on a wide range of vehicles
- Suitable: 45-70mm

Injector Puller For Mercedes Benz (Slide Hammer Style)



AC06-62277A

- For removing adapted tight common rail injectors without to disassemble cylinder head
- Use for mercedes-benzes CDI engines 611, 612, 613 etc...
- Injection puller with impact hammer, injection nozzles
- That do not fit very tightly can be pulled out without needing to take them apart or remove the cylinder block

Twin-Arm Bearing Pullers



AC06-6334A

- With clamping bridge and pushing adaptor especially for extracting the inner bearing ring at VW-Audi cars
- Size: 90x100 mm

Ford Front Wheel Bearing Puller Set



AC87-811

- Removing the front wheel bearing from the (2006 onwards) Ford Transit is a job that needs a strong and robust specialist puller and the tool has been designed to simplify this often difficult job. Once the bearing has been removed it leaves behind the inner race and this is removed using the Inner Bearing Removal Tool which is used in conjunction with this tool
- These new additions to the range are designed to be used with the hub left on the vehicle. The first operation removes the complete bearing / drive flange assembly from the vehicle, then the second operation removes the bearing from the assembly, allowing the drive flange to be reused
- The inner race remains in place however, and traditionally this could only be removed by cutting away with an angle grinder with the very real risk of damaging the stub axle and rendering it unserviceable. The inner bearing removal tool is now assembled to the tool and the inner race removed, the engineered design gripping the taper securely, allowing smooth removal and an undamaged stub axle
- Professional tools for the professional technician. Available now at a typical price of for the puller and (both + VAT) but remember to check your local supplier for the best prices and special offers
- Material:S45C+ Cr-Mo black finish

2 or 3 Jaw Gear Puller



AC59-CRV-4 / AC59-CRV-7

- The jaws on this gear puller can be changed to operate with 2 or 3 jaws with internal or external pulling action.
- Simply unscrew the knurled screw cap to release spring and jaw cover. Unhook the jaws and replace as necessary. Replace cover plate and tighten spring with knurled screw.
- Keep clean and well lied between uses.
- Always use eye protection when using this gear puller.

3 Jaw Gear Puller



AC59-CRV-3

- 3 jaw reversible puller: 3", 4", 5", 6", 8", 10", 12"
- 3pcs 3" leg S45C steel, with chrome plated
- 1pc gross head S45C steel, with black finish
- 6pcs steel plated, with chrome plated
- 1pc bolt S45C steel, with chrome plated
- 6pcs screw & nut, with zinc plated

2 Jaw Gear Puller



AC59-CRV-2

- 2 jaw reversible puller: 3", 4", 5", 6", 8", 10", 12"
- 2pcs 3" leg S45C steel, with chrome plated
- 1pc cross head S45C steel, with black finish
- 4pcs steel plated, with black plated
- 1pc bolt S45C steel, with black finish
- 4pcs screw & nut, with zinc plated

Universal Steering Spreader Tool



AC71-711

- This product is used to spread the steering knuckle to enable the removal and fitting of shock absorbers without the risk of damaging the aluminum or cast iron knuckle.
- The tool is adjustable and suitable for steering knuckles with either a centralized slot or a non-centralized slot.
- Therefore it can work on a wide range of vehicles including Audi, BMW, Citroen, VW Golf, Passat, Ford, Skoda, Seat, Renault, Peugeot and many Japanese Vehicles.

Unique Bearing Removal Kit



AC71-705-2

- Three-way operation allows use with traditional bearing separator, internal or external legs or bearing race separator
- Bearing race separator application makes this kit ideal for use on 'blind' mounted bearings where rear of bearing is not accessible
- Supplied in handy carry case

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Hydraulic Press Tool Kit



AC71-706A4

- Special safety device design to ensure workers operation.
- This press tool set allows quick and easy removal and replacement of the ball-joint, and can be performed on the vehicle within a few minutes.
- With different push rod sets, the supporting joints of vehicles can be changed.
- The disassembly of the complete axle or the control arms is not necessary.

Hydraulic Gear & Bearing Separator Kit



AC71-706E

- Special safety device design to ensure workers operation
- 1pc S45C Hydraulic ram $\varnothing 37.7\text{mm} \times \text{L}168 \times 1"$ 16 teeth
- Bearing separator & bolts 1 set S45C drip forged hardened 420-450
- Capacity size: 75~105mm, bolt $5/8" \times 18\text{nc}$ $\times \text{L}165\text{mm}$ $\varnothing 16\text{mm}$ S45C
- 2pcs Main rod hex bar $19\text{mm} \times \text{L}10" \times 1/2"$ 13nc carbon steel
- Beam 1 piece (carbon steel)
- 2pcs Extension rod hex bar $19\text{mm} \times \text{L}10" \times 1/2"$ 13nc carbon steel

Universal Hydraulic Gear Puller Kit



AC71-706B

- Capacity: 12tons
- Special safety device design to ensure workers operation
- 1pc S45C $\varnothing 37.7\text{mm}$ hydraulic ram
- Adaptor material: S45C
- Ram extension rod $\varnothing 1" \times \text{L}11"$ S45C
- Forcing screw material: S45C
- Striking handle L8" (S45C)
- Hub puller socket $\varnothing 37.7\text{mm}$, L7"
- Hub puller legs 5 pieces (S45C)

Multi-Purpose Hydraulic Gear Puller



AC71-706D

- Capacity: 12tons
- Special safety device design to ensure workers operation
- 1pc S45C hydraulic ram $\varnothing 37.7\text{mm} \times \text{L}168 \times 1"$ 16 teeth
- 1pc combination crosses head carbon steel
- 3pcs SCM440 combination leg drop forged hardened 450-470.
- 6pcs steel plate
- 1pc extension rod $1" \times 1-1/4"$ carbon steel.
- 1pc extension rod $1" \times 2"$ carbon steel.
- 6pcs screw nut & washer

Dent Puller



AC39-2811

- With 7 blue pulling pads
- Easy to operate, working time saved

8pcs Steering Wheel Puller



AC87-P659

- Material: S45C steel
- Length: 87 and 153mm
- Feature: for all purpose on steering wheel puller especially for Opel / Vauxhall Ford- depth of cut optional 87 or 153mm



Combustion Gas Leak Tester Kit



AC78-1025

- Test the presence of CO₂ in the cooling system
- Kit contains transparent cylinder with two test chambers connected vertically for better observation
- Provided with high quality US-made tester fluid, and an extra empty bottle of used fluid storage
- Rubber adapter fits almost every type of radiator filler neck
- Rubber bulb helps draw air from the radiator into the test chambers
- Set excludes three steel adapters

Universal Radiator Pressure Tester Kit



AC78-1017C

- Remove the lid of radiator. If the radiator is in high temperature, wait it cold down or cover wet towel until normal temperature
- Select the correct test adaptor, then screw on the radiator
- Press the hand pump to inflate the pressure up to 10-15psi
- Caution: Do not exceed the Max. pressure of gauge
- Check the pressure gauge. If the pointer is down, you must inspect the lines of radiator, then repair or replace the damage parts
- After servicing press the release button to release the pressure of radiator until the pressure gauge to zero
- Attach the test adaptor to quick coupler of hand pressure pump, then press the hand pressure pump few times to push remnant water out the test adaptor
- Drop pneumatic oil into the air hole of the hand pump end to lubricate the piston of hand pump
- Be careful to use this tools and them cleaning

Disel Injection Leak Back Master Kit



AC08-950508

- Test kit checking the return flow volumes from common rail systems for eight injectors.
- Suitable for use with Bosch, Delphi, Denso, and Vdo / Siemens injectors.
- 1 plexiglass measuring container with 8 fuel-resistant.
- 8 highly flexible hoses, each 1.2M
- 8 highly flexible hoses, each 130mm(ø3.3)
- 8 highly flexible hoses, each 130mm(ø2.5)
- 8 adapters for BOSCH injectors
- 8 adapters for DELPHI injectors
- 8 adapters for DENSO injectors
- 8 adapters for VDO/SIMENS injectors
- 1 solid plastic case
- 1 Hose clamp
- 1 Spring
- 1 Hook

Injector Adaptor Set-Delphi & Denso



AC08-950524

- Injector Adaptor Set Bosh/Siemens/Denso/ Delphi
- Set included 24 pc injector adaptors suitable for Bosch, Siemens, Denso and Delphi fuel injectors.

2" 2 in 1 Deluxe Tire Pressure Gauge with Tread Depth function



AC48-02B

- Car, minivan, jeep, pick up truck, motorcycle, Scooter...etc tire pressure and tread depth measuring
- Accurate
- Shock resistant and durable
- Sudden pressure endurable without oil-filled inside gauge
- Air release function
- Tread Depth measuring
- Rubber Protector
- 45° Angle chuck
- CE Certified

2" 2 in 1 Deluxe Tire Pressure Gauge with Tread Depth function



AC48-02R

- Car, minivan, jeep, pick up truck, motorcycle, Scooter...etc tire pressure and tread depth measuring
- Accurate
- Shock resistant and durable
- Sudden pressure endurable without oil-filled inside gauge
- Air release function
- Tread Depth measuring
- Rubber Protector
- 45° Angle chuck
- CE Certified

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2" 2 in 1 Deluxe Extension Hose Tire Pressure Gauge with Tread Depth function



AC48-03B

- Car, minivan, jeep, pick up truck, motorcycle, Scooter...etc tire pressure and tread depth measuring
- Accurate
- Shock resistant and durable
- Sudden pressure endurable without oil-filled inside gauge
- Air release function
- Tread Depth measuring
- Metallic Effect Appearance
- Rubber Protector
- 360° Swivel & 45° Angle chuck
- Stainless Hose
- CE Certified

2" 2 in 1 Deluxe Extension Hose Tire Pressure Gauge with Tread Depth function



AC48-03R

- Car, minivan, jeep, pick up truck, motorcycle, Scooter...etc tire pressure and tread depth measuring
- Accurate
- Shock resistant and durable
- Sudden pressure endurable without oil-filled inside gauge
- Air release function
- Tread Depth measuring
- Metallic Effect Appearance
- Rubber Protector
- 360° Swivel & 45° Angle chuck
- Stainless Hose
- CE Certified

2" 2 in 1 Deluxe Extension Hose Tire Pressure Gauge with Tread Depth function



AC48-04E

- Car, minivan, jeep, pick up truck, motorcycle, Scooter...etc tire pressure and tread depth measuring
- Accurate
- Shock resistant and durable
- Sudden pressure endurable without oil-filled inside gauge
- Air release function
- Tread Depth measuring and 360° circle Shape
- Metallic Effect Appearance
- Rubber Protector
- 360° Swivel & 45° Angle chuck
- Stainless Hose
- CE Certified

2" 2 in 1 Deluxe Tire Pressure Gauge with Tread Depth function



AC48-04

- Car, minivan, jeep, pick up truck, motorcycle, Scooter...etc tire pressure and tread depth measuring
- Accurate
- Shock resistant and durable
- Sudden pressure endurable without oil-filled inside gauge
- Air release function
- Tread Depth measuring and 360° circle Shape
- Metallic Effect Appearance
- Rubber Protector
- 45° Angle chuck
- CE Certified

Universal Compression Tester Kit



AC82-035

- This versatile kit provides a quick method to obtain cylinder compression pressure on engines with deep, recessed spark plugs and difficult access
- A special air-hold valve is included for easy resetting of the gauge, which is graduated from 10 to 300psi (0 to 21 kg/cm²)
- Gauge assembly includes pressure relief valve

Petrol Engine Compression Tester Deluxe Kit



AC82-150

- Large 2-1/2" gauge fitted with protective cover and 445mm hose
- Scale reads from 0-350psi (0-25bar) and conforms to BS 1780-1985
- Suitable for petrol engines with 10, 12, 14 or 18mm spark plugs and includes a long reach adaptor for 16V and 6V engines. Also includes 445mm hose and quick release connector for air input

Fuel Injection Test Kit



AC82-050

- The fuel injection test kit tests fuel injection systems on vehicles on most makes and models
- Pinpoints problems in filters, lines and regulators
- This kit comes complete with assorted hoses, hose barb fittings, and hose clamps to adapt to earlier vehicle models, as well as current
- The adaptor set tests fuel injection systems on vehicles on most makes and models: Accura, Honda, Hyundai, Mazda, Suzuki, Toyota, Audi, BMW, Mercedes, Peugeot, Porsche, Saab, VW, Volvo W/CIS, Csie or K, jetroni

Fuel Injection Pressure Test



AC82-055

- A large 3-1/2" gauge with dual readings of 0-145psi and 0-1000kpa, also a low pressure 2-1/2" gauge for an accurate reading below 150psi
- All adaptors, gauges, and hose assemblies feature a quick coupling system for speedy and efficient testing connection
- The uniquely designed relief valve relieves the pressure and the fuel safely, also allows checking for sufficient fuel flow
- No need for wrenches or pipe dope
- The specially designed compact, neatly arranged plastic blow-molded box makes storage easy
- Comes complete with instruction manual

Fuel Injection Pressure Test



AC82-055C

- A large 3-1/2" gauge with dual readings of 0-145psi and 0-1000kpa, also a low pressure 2-1/2" gauge for an accurate reading below 15psi
- All adaptors, gauges, and hose assemblies feature a quick coupling system for speedy and efficient testing connection
- The uniquely designed relief valve relieves the pressure and the fuel safely. Also allows checking for sufficient fuel flow
- No need for wrenches or pipe dope
- The specially designed compact, neatly arranged plastic blow molded box makes storage easy
- Comes complete with instruction manual. The adaptor set tests fuel injection systems on vehicles on most and models: Acura, Honda, Hyundai, Mazda, Suzuki, Toyota, Audi, BMW, Mercedes, Peugeot, Porsche, Saab, VW, Volvo w/CIS, CISE or K.Jetroni

Instructions For Multi-Port Fuel Injection Pressure Testing



AC82-065

- Contents of kit:
- Gauge and blow down hose assembly
- Adaptor hose for schrader test ports with 7/16-20 threads
- Adaptor hose for schrader test ports with 0.308-32 threads
- Single end hose connector 1/4", 5/16" and 3/8"
- Double end hose connector 5/16"and 3/8"
- 6mm fuel bolt adaptor

Diesel Compression Tester



AC82-070

- 2-1/2" dial, glycerin filled gauge with glass lens in stainless steel housing. 4500psi rated nylon jacketed pressure hose assembly.
- Dual scale 0-1000psi; metric scale 0-70kg/cm2. 13 pieces adapter set included Ford / Navistar, General Motors, Audi, Cummins, Mercedes Benz, Volkswagen, Volvo, Bacharach, Allis Chalmers, Bedford, Case, J.I., Deere, John, Fiat Allis, Ford Tractor, International Harvester, Mack Turk, Onan, Waukesha, BMW, Lincoln Continental, Mark VII, Peugeot, Chevy Luv, Isuzu, Toyota, General Motors, Detroit Diesel, Caterpillar, Case, Waukesha.

Digital Compression Test Kit



AC82-075A

- Compression test on vehicles with gasoline engines.
- Long flex hose and adapters eliminate the need to remove secondary equipment such as power brakes, steering, air conditioning, and manifold components.
- Side release valve for quick re-testing of cylinder. Set includes gauge and 14mm / 18mm solid short adapter, 14mm / 18mm long flexible adapter, 14mm long reach adapter, and instruction manual.
- Large 2-1/2" electronic gauge with dual inch / metric readings: 0 to 300psi and 0 to 21kg/cm2.
- Boot on gauge provides extra protection from rough handling
- Small 1-1/2" gauge w/ dual inch / metric readings 0-200psi and 0 to 14kg/cm2
- Application: American motors, Chrysler, Ford, GM, Mitsubishi, Nissan, Peugeot, Porsche, Subaru, Suzuki, Toyota, Jeep, Saturn, Saura, Audi, BMW, Daihatsu, Honda, Hyundai, Infiniti, Isuzu, Jaguar, Kia, Land Rover, Lexus, Mazda, Mercedes

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Brake And Clutch Master Cylinder Pressure Tester Kit



AC82-060A

- Adaptors install directly into master cylinder line access holes
- Measures pressure at front or back of master cylinder
- Comes with complete line of adaptors, gauge assembly, a complete instruction manual and vehicle look-up table
- JIC quick disconnect for easy connection
- Comes with a lifetime warranty covering defects in material and workmanship

Compression Test Kit



AC82-075

- Compression test on vehicles with gasoline engines. Long flex hose and adapters eliminate the need to remove secondary equipment such as power brakes, steering, air conditioning, and manifold components
- Side release valve for quick re-testing of cylinder. Set includes gauge and 14mm / 18mm solid short adapter, 14mm / 18mm long flexible adapter, 14mm long reach adapter, and instruction manual
- Large 2-1/2" gauge with dual inch / metric readings: 0 to 300psi and 0 to 21kg/cm²
- Boot on gauge provides extra protection from rough handling
- Small 1-1/2" gauge w/dual inch / metric readings 0-200psi and 0 to 14kg/cm².
- Application: American motors, Chrysler, Ford, GM, Mitsubishi, Nissan, Peugeot, Porsche, Subaru, Suzuki, Toyota, Jeep, Saturn, Saura, Audi, BMW, Daihatsu, Honda, Hyundai, Infiniti, Isuzu, Jaguar, Kia, Land Rover, Lexus, Mazda, Mercedes

Carvuretor Synchronize



AC82-085

- For testing fuel pump carburetor and transmission check auto with 2 - 4pcs carburetors
- 4pcs 3-1/2" synchronizer gauges with fixed plate
- Rubber hose 4pcs 8 x 5 x 750mm
- Extension tube
- 4pcs 3.9 x 52mm
- 4pcs 3.9 x 122mm
- Cone type connector
- 8pcs 8 x 40mm
- 4pcs 10 x 53mm (M6 x 0.75)
- 4pcs 10x 60mm (M6 x 1.0)

Unique Compression Tester



AC82-080B

- Easy-reading 2-1/2" diameter gauge features color-coated quadruple calibrations 0-300psi, 21kg/cm², 21bar & 2100kpa
- 13" druable rubber hose with 14mm / 18mm adaptor
- 6" heavy-duty stem with universal rubber cone adaptor fits all plug holes

Deluxe Brake Pressure Test Kit



AC82-060

- Features two 3,000 psi gauge assemblies
- Dual scale dial-standard scale 0-3000psi and metric scale 0-200kg/cm² 4500psi rated pressure hose assembly
- Include 22 pieces adaptor set
- Includes high impact blow-molded carrying case & reference chart

Cylinder Leak Detector & Crank Stopper



AC82-090

- Kit allows easy identification of compression problems
- Detector measures exact leakage amount and locates leaks area
- Crank stopper locks engine in place to facilitate installation of timing belts, removal of harmonic balance pulleys and replacing spark plugs



Petrol Engine Compression Tester Set



AC82-105

- Comprehensive kit based on petrol compression tester for vehicles with M10, M12, M14 and M18 spark plug threads. Complete with extensions, thread chasers and service kit
- Easu to use
- Checks condition of valves, piston rings, gaskets & cylinder heads
- Used on cars, vans & motorcycles
- Pressure relief valve enables repeated testing of a cylinder without removing the gauge

Diesel Engine Compression Tester Set (C.V.S)



AC82-115

- Comprehensive kit for checking compression on both direct and indirect diesel injected commercial, marine and industrial engines
- For commercials, marine & industrial engines
- Checks engine compression when cranking.
- For use on direct or indirect fuel injection engines
- Built-in pressure release enables complete tests without dismantling
- Small profile, quick release coupling system
- Dual scale 80mm DIA gauges 0-1000psi & 0-70kg/cm². Flexible hose (355mm) to give access in restricted spaces

Flow Meter Common Rail Adaptor Set



AC82-135A

- The purpose of this instrument is to measure rapidly and effectively the amount of fuel that every injector returns to the deposit tank, so that you will know if any injector is damaged.
- Features:
 - Direct measurement of return flow of the injector.
 - Measurement of return flow using external flow meter.
 - Possibility of simultaneous measurement of up to 6 injectors.
 - Box for transportation and storage is included.
- Set included 24pcs injector adaptors: apply for Bosh, Siemens, Denso and Delphi injector.

Diesel Engine Compression Tester Set (Cars)



AC82-110

- Comprehensive test kit for both direct and indirect diesel injected cars
- Simple & easy to use
- For use on both direct and indirect injection engines
- Checks engine compression under cranking conditions
- Small profile, quick coupling adaptors for speed & security
- Built-in pressure relief valve enables repeat tests without dismantling
- Flexible hose (355mm) gives access to restricted plug & injector ports
- Dual scale 80mm DIA gauge 0-1000psi & 0-70kg/cm²

Flow Meter Common Rail Set



AC82-175A

- Quick replace something
- The purpose of this instrument is to measure rapidly and effectively the amount of fuel that every injector returns to the deposit tank, so that you will know if any injector is damaged
- Features:
 - Direct measurement of return flow of the injector
 - Measurement of return flow using external flow meter
 - Possibility of simultaneous measurement of up to 6 injectors
- Box for transportation and storage is included

Gasoline Injection Pressure Test Set



AC82-200

- Pressure testing diagnosis on a wide range of single point, multi-point, mechanical and electronic injection system.
- A modular range comprising 3 x test kits and 2 x workshop combination sets each designed to cover fuel injection system groups.
- Each kit progressively builds up the application coverage start with gauge/hose and adaptors for test port entry, increase to encompass single point (TBI) and Electronic systems (EFI), and finally, adds mechanical fuel injection (CIS) applications.

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Oil Pressure Tester Set



AC82-120

- Helps to diagnose worn oil pumps and engines, faulty oil pressure switches and warning indicators
- Easy to use
- Accurately tests oil pumps pressure, switch & warning indicators
- Large clear dual scaled gauge
- Quick coupling adapters, with shut-off valve, for speed & security
- Permanently oil primed, long, flexible hose

Power Steering Tester



AC82-125

- For accurate, reliable power steering analysis
- Determines if trouble is in front suspension or steering linkage
- Saves valuable time when rebuilding or replacing parts not actually defective
- Set contains 2,000psi gauge with metering valve, connection hose, 13 adapters and power steering pressure specifications
- All packed in a plastic storage case
- American motors, Chrysler Corp, Ford motor

Automotive Diesel Compression Test Set



AC82-025

- A basic set for diesel work in the American market.
- Tester has a handy deflator for releasing air & retesting.
- A 16-1/2" wire reinforced hydraulic hose has a quick coupler on a swivel for ease of connection.
- A 2-1/2" gauge with easy to read red and black dial & snap-in lens, records pressures from 0-1000psi and 0-70kg/cm².
- Adapters for GM, Isuzu, Lincoln Mark VII and continental, Ford/Navistar, Audi, Mercedes, Peugeot, Toyota, VW, Volvo-Bacharach conversion adapter also included.
- Comes in a red metal box with insert; instructions and specifications included.

24pcs Flow Meter Common Rail Set



AC82-175B

- Quick replace something
- Direct measurement of return flow of the injector
- Measurement of return flow using external flow meter
- Possibility of simultaneous measurement of up to 6 injectors
- Box for transportation and storage is included
- Set included 24pc injector adaptors: apply for BOSCH-01, SIEMENS-02, DENSO-03 and DELPHI injector

Heavy Duty Global Diesel Compression Test Set



AC82-030

- Contains compression tester and an assortment of adapters to test a wide variety of vehicles, trucks, heavy-duty equipment deluxe gauge with rubber boot.
- Tester services these engines:
- Audi, Mercedes, VW, Volvo, Cummins, Allis Chalmers, Bedford, J.I. Case, J.I. Case 70 Series, John Deere Pencil Type, John Deere, Flat Allis, Ford Tractor, International, Harvester, Mack Truck, Massey Ferguson, Mitsubishi-Fuso, Onan, Scania, Waukesha, Wisconsin, White Farm, Kubota, Mitsubishi, Nissan, Toyota, UD-Nissan Truck, Detroit Diesel, Lincoln, Mark, Continental, Dodge, Case/Cummins "C" Series, Dodge, Navistar, Caterpillar-Pencil, Caterpillar-Capsule, GMC Truck, Hine, Isuzu Truck.

Compression Tester



AC82-160

- Features a quick disconnect with a pressure release valve and a 300psi gauge
- Designed to check cylinder compression. Contains hoses for 10, 12 & 14mm spark plug applications

4-Stroke Leak Down Tester



AC82-165

- Gauge will register the total percentage of leakage past the rings, head gasket, intake and exhaust valves.
- With an air source of 70 to 160psi, this system will pressurize the cylinder with 60 psi of air.
- Designed to check the amount of cylinder leakage in a 4-stroke engine.
- Speeds up troubleshooting & helps to isolate bad components. 10, 12 & 14mm spark plug thread hoses, regulator and gauge included.

Petrol & Diesel Engine Compression Tool Kit



AC82-145I

- Set included clamp-on Injector Adaptor Set.
- Large, 2-1/2", 0-50 bar (700psi) gauge with rubber bumper, straight and right angled quick connect fittings and an extensive range of glow plug and injector adaptors enable this kit to cover the vast majority of car, van, truck and bus, agricultural and marine diesel engines.
- Supplied in plastic case with pre formed liner and foam filled lid.
- Glow plug Adaptor: Wide range of Alfa, BMW, Chrysler, Daewoo, Fiat, Ford, Hyundai, Isuzu, Land Rover, LDV, Mazda, Mercedes, Mitsubishi, Nissan, Opel, PSA, Renault, Saab, Suzuki, Toyota, VAG, Vauxhall, Volvo diesel engines.
- Spark plug size: 10, 12, 14, 18mm.
- Injector: M20, M22, M24 & Ford Stanadyne injector plus clamp-on injector.

Flow Meter Common Rail Adaptor Set



AC82-175

- The purpose of this instrument is to measure rapidly and effectively the amount of fuel that every injector returns to the deposit tank, so that you will know if any injector is damaged.
- Features:
- Direct measurement of return flow of the injector.
- Measurement of return flow using external flow meter.
- Possibility of simultaneous measurement of up to 6 injectors.
- Box for transportation and storage is included.
- Set included 24pcs injector adaptors: Apply for Bosch, Siemens, Denso and Delphi injector.

Digital Compression Tester



AC82-080F

- Digital manometer with quick coupling, 0-300psi, display in psi / bar / kpa, supplied with adapters suitable for spark plug threads:
- M10 x 1.0 adapter.
- M12 x 1.25 adapter.
- M14 x 1.25 adapter.
- M18 x 1.5 adapter.
- Rubber-sealed pressure piece for manual use, bent.
- Rubber-sealed pressure piece for manual use, straight.

Cylinder Leak Detector And Crank Stopper



AC82-090A

- Kit allows easy identification of compression problems.
- Detector measures exact leakage amount and locates leaks area.
- Crank stopper locks engine in place to facilitate installation of timing belts, removal of harmonic balance pulleys and replacing spark plugs.

Common Rail Injector Return Flow Pressure Measurement Tester



AC82-180A

- For testing the return flow pressure from common rail injectors of Bosch, VDO / Siemens & Delphi engine system.
- Suitable for testing the conditions of a piezo pass or fail statement.

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9pcs Injector Extractor Set



AC53-OT216

- This high quality tooling is designed for the removal of stuck and seized injectors.
- Material: S45C steel.
- Total Length: 350mmL
- Contents:
- Slide hammer : 1.75Kgs.
- Adaptor: M17 x 1.0
- Adaptor: M27 x 1.0 for Bosch injector nozzle.
- Adaptor: puller w/M12 x 1.75P.

Diesel Engine Timing Tool Kit Vag 1.2 / 1.4 / 1.9 / 2.0 Belt Drive



AC06-62270

- Timing Tools VAG 1.9 & 2.0 TDI PD
- Timing tool Set for VAG 2.0 Litre TDI PD DOHC engines fitted to Audi A4, A6 Skoda
- Octavia II and Volkswagen Golf / Golf Plus / Jetta and Touran models

Ford / Mazda Timing Tools



AC53-OT245C

- The plate is used to fix camshaft.
- The 3 bolts are designed to fix crankshaft.
- Applicable: FORD/ MAZDA petrol and diesel engines

Camshaft Timing Tools



AC53-OT275

- Audi & VW 2.6 / 2.8 (Small Timing Tool)

Camshaft Timing Tools



AC53-OT276

- Audi & VW 3.7 / 4.2 (Medium Size)

Camshaft Timing Tools



AC53-OT277

- Audi & VW 2.4/2.8 (Big Size)

Timing Tool Set - Ford



AC53-OT245B

- This new camshaft setting bar is suitable for all the applications including the latest HWDA / HWDB / HXDA engines.
- Also included in the kit is 303-748 (21-259) for Focus / C-Max 1.6, 1.4 / 1.6 and Fiesta/ Fusion 1.24 / 1.4 / 1.6

Camshaft Setting Tool - VAG



AC53-OT279

- Easy to use for locking camshaft pulleys when changing cam belt.
- Suitable for 1.4 and 1.6 16v twin camshaft engines.
- Applications: VW; Lupo 99-, Polo 95-, Caddy 96-, Classic Polo, Variant 96-, Beetle 1.4L 99-, Golf 1.4L, 1.6L 98- and Bora 1.4L, 1.6L 99-

Crankshaft / Camshaft Locking Pin Set - Renault



AC53-OT280

- Set of camshaft and crankshaft locking pins for Renault diesel and petrol engines.
- Suitable for locking engine during cam belt replacement or during associated engine maintenance.
- Applications: Renault Diesel; Modus, Clio, R19, Megane, Scenic, Laguna, Espace, Kangoo, Extra, Express, Rapid, Trafic 1.5dCi/1.9D/1.9TD/1.9dTi, Engine Codes: K9K, F8Q, F9Q - Petrol; Clio, R19, Laguna 1.8/2.0,
- Engine Codes: F3P F3R,
- Tool Codes: MOT1489, MOT1430, MOT1054

Universal Jgo Adjust Core Tool



AC53-T000302

- The adjustable key allows to tighten the free roller in spaces even limited.

Engine Timing Tensioner Kit For Most Petrol & Diesel Engines



AC88-8065

- A comprehensive range of tension lever and wrenches required for changing the cam belt on most popular petrol and diesel engines
- Including: Alfa Romeo, Fiat, Citroen

Mercedes Benz Engine Timing Tool Set (M651)



AC88-8802

- The retaining device makes it possible to position the camshafts in the installed position
- Also for turning, installing, and removing the crankshaft pulley

BMW Camshaft Timing Tool - S54 Engine



AC88-8805

- For checking and setting camshaft timing when installing VANOS adjustment unit on S54 engine

Bracket For Chain Adjuster



AC53-T003102

- Used to Retain Camshaft Chain Adjuster.
- Applicable: VW & AUDI 4, 6 (2.7L & 2.8L) & 8 cylinder engines containing 5 valves per cylinder.

Mercedes Benz Alignment Tools Set (M275)



AC88-8803

- This retaining device is designed for positioning the camshaft in 30 degree TDC position
- M275, M285: the set A only used for left bank of cylinder and set B & C used for right bank
- M137: use the set B & C to loosen and tighten mounting screws for the camshaft sprocket and adjusting the timing

BMW Timing Tool Set (N20, N26)



AC88-8806

- Setting and locking kit that covers a wide range of BMW 2.0 liter petrol engines
- Includes the necessary tools for setting and locking the camshafts and crankshaft, tools for setting the Vanos units and a tool for setting the timing chain pre-tension

Timing Tool Set - Mercedes Benz



AC88-8801

- Specifically designed for vehicles fitted with the chain driven 1.6/2.0 direct injection petrol engines
- These engines are found in the late A,B,CLA,C and E class vehicles
- Due to the type of construction used on these engines the camshaft needs to be clamped in place to allow dismantling and assembly of the cylinder head
- Designed to allow removal and assembly of the camshafts

Mercedes Benz Timing Tool Set (M276)



AC88-8804

- Special designed to align the camshaft timing angle for correct position
- Application: Mercedes Benz: M157, M276, M278 engine

BMW Timing Tool Set (N13, N18)



AC88-8807

- Designed for fixing the camshaft in TDC position
- Use the tool to dismantle and assemble intake and exhaust camshaft

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Volvo Timing Tools Set (T4, T5)



AC88-8810

- Developed specifically for the 1.6 direct injection petrol engines fitted with variable valve timing and found in both the Ford and Volvo ranges
- To adjust and fix angle of camshaft and crankshaft

BMW Timing Tool Set (S65)



AC88-8816

- To locate the camshaft in TDC position and correct the VANOS angle
- Application: BMW E90/M3, E92/M3

Diesel Engine Setting / Locking & Injection Pump Removal / Installation Kit



AC88-8341

- Engine Cover Aligner
- Engine Cover / Crankshaft Seal Removal / Installation Tool
- High Pressure Pump Sprocket Retaining Tool
- H.P. Pump Removal Tool
- Flywheel Locking Pin (Gold)
- Flywheel Locking Pin (Silver)
- Locking Pin Set (3 x Pins)
- Tensioner Locking Pin

BMW Camshaft Alignment Tool (S63)



AC88-8818

- Special designed to locate the camshaft in TDC position
- Checking and adjusting the timing chain tensioner

Petrol Engine Setting / Locking Tool Kit - VW / SKODA / SEAT



AC88-8340

- This 1.0MPI 3 cylinder engine was introduced in 2011 in the Volkswagen up, and in 2012 the Seat Mii and the Skoda Citigo
- It is a 3 cylinder twin camshaft unit, equipped with Variable Valve Timing (VVT) on the tri-lobed inlet camshaft sprocket with a conventional timing belt drive system

Engine Timing Tool VW / SKODA / SEAT



AC88-8342

- This 1.0 MPI 3 cylinder engine was introduced in 2011 in the Volkswagen up, and in 2012 the Seat Mii and the Skoda Citigo
- It is a cylinder twin camshaft unit, equipped with Variable Valve Timing (VVT) on the tri-lobed inlet camshaft sprocket with a conventional timing belt drive system
- Locking camshaft when checking and adjusting timing
- Special tool for simple insertion of camshaft fitting when checking the valve timing

Cam Chain Tensioner - VAG TFSI



AC88-8343

- VAG TFSI (Post 2007) vehicles require a set of specialist tooling when renewing or replacing the timing chain
- This specifically designed tensioner lever for later generation III 1.8 & 2.0 4v TFSI 4 cylinder engines
- This one piece lever is used to push back the timing chain tensioner without removing the front engine cover

3pcs Engine Timing Tool Set - Chrysler 2.8D



AC88-8344

- A kit consisting of the components required to lock the crankshaft in their timed position to allow the removal and replacement of the cam-belt and associated components

Chery Engine Timing Tool Set



AC88-8812

- Special designed to hold and align the camshaft for adjusting the timing
- Application: Chery A3, A5, Tiggo

13pcs Engine Timing Tool Set - Volvo 1.6 / 1.9 / 2.0 / 2.4 Diesel



AC88-8345

- Developed to change the cam belt on the single and twin cam belted diesel engines found in the Volvo range
- The kit provides the locking tools required for both timing belt change and the dismantling of the gear driven cams fitted to the twin cam equipped engines in the Volvo range

Engine Timing Tool - VAG



AC88-8346

- Use for correct the camshaft and crankshaft timing position

Porsche Engine Timing Tool Set



AC88-8349

- The set enables to correct engine timing to be made when replacing the timing belt
- Application: Panamera 3.0 T

VAG 1.4 TSI V Belt And Timing Belt Wrench



AC88-8353

- For loosening the automatic clamping device
- Problem free changing of the belt, and for hard to reach places with plastic coated handle, chrome vanadium
- 0.5kg / 380mmL
- Jaw opening in 16mm

Poesche Cayenne Camshaft Alignment Tool Kit



AC88-8356

- This tool is designed to adjust the timings for the camshaft
- Used to R&R crankshaft pulley bolt
- 2009 Porsche Cayenne Turbo (9PA) V8-4.8L turbo
- Camshaft adjustments
- Setting camshaft timing on 4.8 liter DFI engine

Volvo Camshaft Alignment Tool



AC88-8357

- Special design to align the engine camshaft and crankshaft position, and correct into the side cover
- Application: Volvo B4204 engine (8-Speed Transmission)

BMW Crankshaft Pulley Holder (N47)



AC88-8355

- Removal and installation / vibration damper

Petrol Engine Setting / Locking Tool Kit 1.8 / 2.0 TFSi Engine



AC88-8358

- Set of 3 assembly camshaft tool
- For installation and removal 4/3-way central valve for camshaft adjustment
- This set includes the original tool
- T10352 and the new versions
- T10352/1 and T10352/2. Set of 3 socket. 3/8" drive, outside diameter 34mm

Setting / Locking Tool Kit 1.0 Ecoboost 3 Cylinder Petrol Engine



AC88-8359

- Introduced in 2011, the Ford 1.0 turbo, 3 cylinder, Ecoboost (SCTi) petrol engine is fitted in various cars and light commercial vehicles across the Ford range
- The engine features a wet timing belt (belt in oil) that runs between the crankshaft and the twin camshaft VVT sprockets
- The timing belt is a conventional arrangement, the exception being that the belt is encased in the engine and runs in oil, in a similar setup as a chain engine
- Application: 1.0 "Eco boost" 3 cylinder (belt in oil) petrol engines in: Ford Fiesta, Ecosport, B-Max, Transit Courier, Focus, Transit Connect, C-Max, Tourneo Connect, Grand C-Max

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Camshaft Adjustment Tool - VAG



AC88-8821

- Set of 3 assembly camshaft tools.
- For installation and removal 4/3-way central valve for camshaft adjustment
- This set includes the original tool T10352 and the new versions T10352/1 and T10352/2
- Set of 3 sockets. 3/8" drive, outside diameter 34mm

Vag Camshaft Rotating Sleeve



AC88-8814

- Special 2 inner pins designed to turn the camshaft adjusting valve
- This tool enables the removal and refitting the camshaft control valve prior to timing chain removal or engine disassembly

VW / AUDI Camshaft Rotating Sleeve (A3)



AC88-8815

- Special 2 inner pins designed to turn the camshaft into position
- This tool enables the removal and refitting the camshaft control valve prior to timing chain removal or engine disassembly

Camshaft Adjustment Tool - VAG



AC88-8820

- For installation and removal 4/3-way central valve for camshaft adjustment

VAG Camshaft Rotating Alignment Tool (1.8/2.0 TSI)



AC88-8819

- Application: Magotan 2.0 FSI, Sagitar 1.8T FSI

BMW Valve Pressure Spring Installer / Remover



AC88-8808

- Special designed to remove and install the pressure spring on intermediate lever
- Application: BMW N20, N26, N55

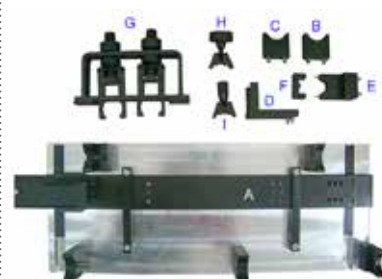
VW / Audi 7 Speed Dsg Clutch Installer & Remover



AC88-8348

- Specially designed to install and remove the clutch of gearbox

VW Camshaft Fitting Tool



AC88-8347

- For fitting camshafts in cylinder head
- Fit retaining frame on camshafts
- The special tools T40094, T40095 and T40096 are supplied exclusively in sets

BMW Valve Pressure Spring Remover / Installer



AC88-8350

- For Removing and installing pressure spring on intermediate lever
- Chrome molybdenum forged jaw, bodily heat treated, welding brazed with wire cutter and nickel plated 7" / 175mm

Universal Camshaft Pulley Holding Tool - Nissan / Toyota And Other OHC Engine



AC88-8351

- This wrench is designed with grooved pins to hold the camshaft pulley stationary while loosening and tightening the camshaft bolts
- Caution: protection should be worn to prevent personal injury

Reaction Wrench - VW / AUDI



AC88-8352

- Safe locking of the water-pump pulley. Easy loosening of stubborn bolts on the water-pump pulley
- Caution: eye protection should be worn to prevent personal injury

Petrol Engine Setting / Locking Kit - Chain Drive



AC88-8354

- Setting and locking kit suitable for timing 1.4 & 1.6 16v valvetronic direct injection, chain drive petrol engines, fitted in BMW Mini, Peugeot and Citroen vehicles

Timing Locking Tools (Ford)



AC06-62295

- This five pieces set is essential for replacing the cam belt on Ford Focus / Cmax 1.6 Ti-VCT with engine code Heda (2003-2007) plus 2.0 Tdci with engine codes G6DA, G6DB, G6DC (2003-2007)
- Also required flywheel locking tool and adaptors

6pcs Timing Tool Kit



AC06-62211

- Application: Ford, Fiesta, Focus, Cmax, Tourne, Transit, 1.8 Tddi
- 1pc locking strap
- 1pc flywheel locking
- 1pc TDC setting scrawl
- 1pc camshaft locking pin
- 1pc injection / high pressure fuel sprocket remover
- 1pc timing chain front cover alignment tool

Timing Tool Kit



AC06-62222

- For 1.8 turbo & 1.6 FSI chain engines
- Audi: A3 1.6 FSI (2003-2006)
- Volkswagen: Golf 1.6 FSI, Touran 1.6 FSI
- Audi: A3/S3 1.8 turbo (1996-2003), A4/A6 1.8 turbo (1994-2006), Cabriolet (1997-2000), TT 1.8 turbo (1998-2006)
- Volkswagen: Beetle 1.8 turbo (1999-2006), Golf/Bora 1.8 turbo (1997-2008), Passat 1.8 turbo (1996-2005), Haran 1.8 turbo (1997-2006)
- Seat: Ibiza 1.8 turbo (1999-2002), Cordoba 1.8 turbo, Leon 1.8 turbo (1999-2005), Toledo 1.8 turbo (1999-2005)
- Skoda: Octavia 1.8 turbo (1996-2005), Octavia 1.8 turbo (2000-2005) 20V RS

Timing Tools (Volkswagen Polo Lupo)



AC06-62193

- Timing tools for Volkswagen Lupo and Polo. 1.2 liter engines 2 and 3 cylinder, 6/21 valve

Diesel Engine Timing Setting Tool Kit



AC06-62382

- Suitable for Renault 2.0 DCI twin camshaft chain drive diesel engines or M9R engines
- Application: Nissan- Quashqai-X-Trail-Primastar / Renault- Megane-Scenic-Laguna-Vel Satis-Espace-Koleos-Traffic / Vauxhall / Opel-Vivaro

BMW Engine Timing Tool Kit



AC06-62395

- Installing and removal of camshaft / variable camshaft timing unit
- Application: E81/E87: 116i - E46/E90: 316i - E46: 316Ci, 316Ti

Mini Cooper (N14) Timing Tool Set



AC06-62396

- This comprehensive set of tools enables the correct engine timing to be made when replacing the timing belt
- Application: BMW Mini Cooper (N14)

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Mercedes Benz, Chrysler & Jeep Engine Timing Tool Set



AC06-62398

- A timing tool set which covers a large of models in the Mercedes range including petrol and diesel engines
- Set includes flywheel plate locking tools and camshaft locking pin set
- Also suitable for chrysler Pt Cruiser 2.2 cad and jeep grand cherokee 2.7 crd

Timing Tool Kit For Volvo



AC06-62384

- Suitable for petrol 2.0/2.5 twin cams (belt)
- These tools in use for setting engine timing
- Application: 850(92-97), C70(98-02), S40(96-04), V40(96-04), S60(01-05), S70(97-00), S80(99-05).
- 1pc crankshaft TDC timing pin
- 1pc tensioning tool
- 1pc camshaft setting tool

BMW N20 Timing Tool Set



AC06-624580

- For use on turbo boost hose clips fitted to: Volkswagen passat 2.0 TDI(05) / Touran / Golf V / Audi A3 / Skoda Octavia
- Essential tool for these specialised clips
- Locking function

Ford Diesel 1.9TDI Timing Tool Kit



AC06-62440

- For ford 1.9TDI diesel engine use
- For Belt type use
- Models: Galay (99-06)
- Engines: ANU ASZ AUy

8pcs BMW Engine Timing Tool Set (For N42, N46, N46T)



AC06-62361

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

Engine Timing Tool Set For BMW MINI W16D



AC06-62448

- 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 Timing Tool Set-Fiat 1.9D / TD



AC06-62408

- For use on fiat 1.9D / TD with Peugeot engines on brava, bravo, marea and marea weekend models(96-)

Benz Timing Tool Set (M270)



AC06-624720

- Special designed to position the camshafts in TDC position
- Applicable: 1.6L, V4 engine, A class and B class

BMW N47 / N47S Timing Tool Kit



AC06-62439

- For BMW N47 / N47S 2.0D bolt engine
- For chain type timing

Camshaft Drive Belt Pulley Puller



AC06-62134A

- Designed for pulling camshaft pulley wheel on 4 and 6 cylinder, V6 and V8 engines on VW and Audi petrol engines
- Include 1 set special jaw for VW/Audi 2.0L direct injection engine.
- Suitable to VW 4 cylinder TDI, VW/Audi V6 5 valve engines, Audi V8 40 valve engines and VW/Audi 2.0L 4 valve direct injection engine code bpg, bpg and bwt

Engine Timing Tools (Ford & Volvo Ecoboost 1.6)



AC06-624570

- 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

BMW Mini Timing Tool Set



AC06-62449

- 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

Engine Timing Tool Set



AC06-62357

- For fiat use
- Diesel engines: Fiat Brava, Bravo, Marea / Weekend, Palio, Punto, Multipla, Doblo, Ulysse, Ducato, Stilo Jtd diesel engines 1.9D / TD 1.9JTD 2.4TD / JTD
- Petrol engines: Fiat Brava, Bravo, Barchetta, Cargo, Coupe, Marea, Palio Weekend, Punto, Multipla, Stilo, Idea Doblo Twin can engines 1.2 1.4 1.6 1.8 16V

Benz (M271) Engine Timing Tool



AC06-62397

- Designed for Mercedes vehicles fitted with the chain driven 1.8 petrol engines
- The engines are found across the Mercedes Benz range including C class, E class, CLC, CLK and SLK as well as the sprinter vans from as early as 2002 up to 2015
- The kit includes the cam locking tool required when removing the camshaft pulleys

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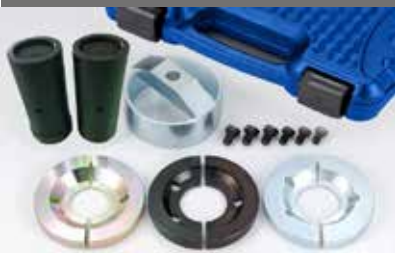
Complete Tool Set For The Removal And Installation Of The Compact Wheel Hub



AC108-7001

-Complete tool set for the removal and installation of the compact wheel hub / bearing unit for the VW T5 transporter

15pcs VAG Wheel Bearing Tool Set



AC108-7003

-For the new VAG models with wheel housings / hub unit
-Required for the correct installation
-High time saving-faster execution at workshop press than at the vehicle ideally suited for wheel bearing diameters 62mm / 66mm / 72mm (13" 14" 15" -undercarriages)
-The extension of the wheel housing takes place by means of the available workshop facility

Half Shell Coupling Black, For Bearing Ø 72mm



AC108-7007

-For the new VAG models with wheel housings / hub unit
-Required for the correct installation
-High time saving-faster execution at workshop press than at the vehicle ideally suited for wheel bearing diameters 72mm (15"-undercarriages)
-The extension of the wheel housing takes place by means of the available workshop facility
-Fixing screw M14 x 1.5 for half shell set of 3 pieces

Half Shell Coupling Chrome, For Bearing Ø 66mm



AC108-7009

-For the new VAG models with wheel housings / hub unit
-Required for the correct installation
-High time saving-faster execution at workshop press than at the vehicle ideally suited for wheel bearing diameter 66mm (14" undercarriages)
-The extension of the wheel housing takes place by means of the available workshop facility
-Fixing screw M14 x 1.5 for half shell set of 3 pieces

Half Shell Coupling Anodized, For Bearing Ø 62mm



AC108-7009

-For the new VAG models with wheel housings / hub unit
-Required for the correct installation
-High time saving-faster execution at workshop press than at the vehicle ideally suited for wheel bearing diameter 62mm (13" undercarriages)
-The extension of the wheel housing takes place by means of the available workshop facility
-Fixing screw M12 x 1.5 for half shell set of 2 pieces

Compact Wheel Hub Tool Set



AC108-7005

-Tool set for compact wheel hub bearing unit
-Bearing unit ø 72mm

Heavy Duty Wrack Wrench Diameter From 25mm to 55mm



AC108-7013

-Suits multiple rack ends and sizes (Hex drive, round with two drive flats, round with no drive flats)
-Use on vehicles with limited access to avoid need to remove rack assembly
-New larger size provides coverage for domestic and import light truck and SUV
-Fixed position rings provide added strength
-Patented cam design increases force as load is applied
-Universal design suits rack end diameters from 25mm to 55mm
-1/2" square drive
-This high quality wrack wrench will help you ensure your car's performance.

Heavy Duty Wrack Wrench Diameter From 25mm to 45mm



AC108-7013A

-Suits multiple rack ends and sizes (Hex drive, round with two drive flats, round with no drive flats)
-Use on vehicles with limited access to avoid need to remove rack assembly
-Fixed position rings provide added strength
-Patented cam design increases force as load is applied
-Universal design suits rack end diameters from 25mm to 45mm
-1/2 square drive
-This high quality wrack wrench will help you ensure your car's performance

Shock Absorber Piston Rod Tool Set



AC108-7019

-Indispensable for locking the shock absorber piston rod whilst loosening or tightening the piston rod nut, e.g. on macpherson struts

Rear Axle Bushing Tools For VW, AUDI



AC108-7015

- Special designed for replacing the rear axle mounting bushes, whilst in suit on the vehicle and without the need for removing the rear axle assembly
- It is fine thread and thrust bearing allows the bush to be fitted quickly and easily without causing damage

Benz Front Lower Control Arm Ball Joint Extracto / Installer



AC108-7039

- Use to remove and install lower ball joint support on the wishbone
- On car maintenance
- Benz chassis repair tool
- Very convenient tools
- Specialty tools

VAG 4WD Drive Shaft Socket For AUDI



AC108-7037A

- Used for secure the retaining ring during R&R of ball joints
- High accuracy of fit
- Extremely robust execution
- Suitable for high tightening and loosening torque

Rear Seal Repair Kit



AC108-7029

- Works on 1994-2003 7.3L diesel engine in ford 3/4- and 1-ton trucks
- A complete kit with the tools you need to properly remove and install the rear main oil seal and wear ring on the crank shaft
- Eliminates makeshift methods of seal removal and installation that could damage new seal or crankshaft
- To prevent personal injury when using these tools, wear eye protection

21pcs Tool Set For Compact Wheel Hub / Bearing Unit



AC108-7031

- Professional fitting direct on the vehicle (removal with existing wheel hub extractor or universal sliding hammer)
- Minimum working effort - high time saving
- Simple and safe handling
- Can also be optionally used with a workshop press
- Possible extensions for bearing unit $\varnothing 62+66+72\text{mm}$ due to the modular system

VAG 4WD Drive Shaft Socket For AUDI



AC108-7035

- Used for loosening and tightening the nut on the drive shaft
- M6-speed manual gearbox 0A3, 4-wheel drive

BMW Fly Wheel Holder



AC108-7041

- When replacing timing chain, this tool can block flywheel
- It helps to release and tighten down central bolts on vibration damper
- Very convenient tools
- BMW engine repair tool
- Specialty tools

3/4"DR. Pin Wrench Socket For Benz M-Class



AC108-7037B

- Used for secure the retaining ring during R&R of ball joints.
- High accuracy of fit
- Extremely robust execution
- Suitable for high tightening and loosening torque

3/4"DR. Groove Nut Socket With 6 Studs For Merceds-Benz Sprinter



AC108-7037C

- High accuracy of fit
- Extremely robust execution
- Suitable for high tightening and loosening torque

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BMW Rear Axles Bush Remover / Installer



AC108-7043

- Removal and replacement tool for metallic bushes on rear axles BMW type E36, E46, E85
- Replacement of the mounting bushes without removing the complete rear axle assembly

11pcs Silent Blocks Tool Set



AC108-7055

- Suitable for installation and removal of rubber-plastic bearings or rubber-metal bearings at the rear axle

1/2"DR. BMW Transmission Socket 4teeth



AC108-7079

- 1/2" DR. for grooved nut on transmission drive shaft flange
- Inner ø53.5mm ; Outer ø64mm ; H 35mm

Silent Block Tool Set (BMW Type)



AC108-7045

- For renewing rubber suspension bushings
- Suitable for BMW models:
- 1 Series: E81, E87
- 3 Series: E36, E46, E83, E90, E91, E92, E93
- 5 Series: E60, E61
- 6 Series: E63, E64
- 7 Series: E38, E65, E66, E67
- 8 Series: E31
- Z4 Series: E85, E86
- MINI COOPER S: R53

10pcs Tool Set For Silent Blocks



AC108-7057

- For extracting and inserting silent block bushings on VW T5 rear axle
- Mechanical drive with enclosed spindle

1/2"DR. BMW Transmission Socket 6teeth



AC108-7081

- 1/2" DR. for grooved nut on transmission drive shaft flange
- Inner ø 63.5mm ; Outer ø 74mm ; H 35mm

Front Axles Bush Remover / Installer



AC108-7059

- Extractor / installer arm front suspension silent blocks VAG

Benz Transmission Overflow Pipe Remover



AC108-7101

- Drift for unclipping the overflow pipe in the oil pan when draining the oil
- When changing the transmission fluid on type 722.9 transmissions, it is necessary to remove the overflow pipe after removing the drain plug
- This allows all of the fluid to be drained from the pan

17pcs Silent Blocks Tool Set



AC108-7053

- The tool set must only be used if it is in good working order
- All safety equipment must always be within reach and should be checked regularly
- The silent block tool set is developed for extracting and inserting



Rear trailing arm bushing tool stock RTAB replacement for E36 / E46



AC108-7085

-This tool can also be used to remove E36 rear bushings

GM Torsion Bar Unloading Tool



AC108-7089

-This rugged tool is built for GM's K-3500 series trucks with heavy-duty chassis and a large torsion bar

-It features a large C-frame opening to accommodate beefier torsion bars

-The tool holds the torsion bar while you make adjustments

17mm Benz Wheel Lug Socket



AC108-7091

-1/2 DR. x 17mm x 45mmL

17mm Benz Wheel Lug Socket



AC108-7091A

-1/2 DR. x 17mm x 80mmL

Front Wheel Drive Bearing Kit



AC53-AT501B

-Up-to-date kit for the installation and removal of front hub bearings without the need to dismantle the steering knuckle and strut assembly. Fast and simple to use. Suitable for most front wheel drive cars. Heavy-duty steel drifts with black phosphate finish for corrosion resistance. May be used with impact wrench. Supplied in carry case.

-Drift Sizes: 55.5, 59, 62, 65, 66, 71.5, 73, 78, 84, 86, 91mm

-Hub Screws (3pcs Each) : M12x1.5, M14x1.5mm

Disc Brake Piston Separator



AC53-AT502

-Material : Hardened carbon steel jaws , Black finished and nickel plated Bolts.

-2-Spread Jaws , size: 115mm x 50mm x 6mm

-1-100mm (4") Sliding Blot.

-1-" T " type Sliding Bolt with 21mm Hex Head insert 1/2" SQ.

Speedy Brake Piston Wind-Back Tool



AC53-AT502D

-Compresses Brake Pistons In Seconds

-Squeeze the handle and the fast acting plunger compresses disc brake pistons in seconds

-Makes brake pad replacement an easy job

Benz Transmission Overflow Pi



AC108-7099A

-1/2"DR. x 16mm x 10T x 38mmL

SAC Clutch Tool Master Kit



AC21-388E

-This kit allows the professional dismounting and mounting of all self adjusting clutches (SAC) e.g. on VW, Audi, BMW, Ford, Mercedes-Benz, Opel, Renault, Volvo, etc

-During assembling and disassembling operations the pre-tightening of the pressure plate is required in order to avoid clutch deformations

-The 6-arms plate has been designed for use with 3 and 4 fixing points for clutches with 6 or 8 locking holes

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Speedy Brake Piston Spreader



AC53-AT502E

- Compresses brake pistons in seconds.
- Squeeze the handle and the fast acting plunger compresses disc brake pistons in seconds.
- Makes brake pad replacement an easy job.

Coil Spring Compressor (Casting)



AC53-OT105

- Tempered carbon steel lead screws (250mm) with economic ductile casting jaws wrap over coil claws for extra safety.
- Suitable for use in limited space under wheel arch.
- Use with 1/2 drive wrench. 250mm max. Jaw opening.
- 5/8" 11 unc canine x 250mmL

Coil Spring Compressor (Casting 300mmL)



AC53-OT108B

- Compresses coil springs for strut service
- Heavy-duty steel construction
- Suitable for most import and domestic passenger vehicle spring sizes.
- Size: 300mmL.

5pcs Universal Strut Nut Tool Set



AC53-ASN005

- ASN-01 10.5mm - VW Golf Rear Axle.
- ASN-02 12.5mm - VW Polo Front Axle.
- ASN-03 14.5mm - Polo, Golf, Passat, Audi 80.
- ASN-04 14.5mm - Austin Maestro.
- ASN-05 14.0mm - Mercedes Benz; W209 (C-class), W209 (CLK).

Coil Spring Compressor (Casting)



AC53-OT105SA

- Tempered carbon steel lead screws (300mm) with economic ductile casting jaws wrap over coil claws for extra safety.
- Suitable for use in limited space under wheel arch.
- Use with 1/2 drive wrench. 300mm max. Jaw opening.
- 5/8" 8 square thread x 300mmL

Drop Forged Coil Spring Compressor



AC53-OT104

- Drop forged carbon steel jaws & lead screws (250mm), both heat treated ensure you obtain professional job performance.
- The tool is designed for use in limited space under wheel arch.
- Jaws design is fitting to wrap coil claws for safety.
- Maximum jaw opening is 250mm.
- 5/8" 11 unc canine x 250mmL

Disc Brake Pad Spreader



AC53-OT134

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

Drop Forged Coil Spring Compressor



AC53-OT104B

- Drop forged carbon steel jaws & lead screws (370mm), both heat treated ensure you obtain professional job performance.
- The tool is designed for use in limited space under wheel arch.
- Jaws design is fitting to wrap coil claws for safety.
- Maximum jaw opening is 370mm
- 5/8" 10 square thread 370mmL

Ball Joint Separator (19mm)



AC53-OT109A

- Heat treated drop forged steel body & bolt for long rough usage
- Spread ball joints easily where space prevents use of direct action method
- Jaws open: 19mm

Tie Rod End Lifter (Casting 19mm)



AC53-OT111

- Designed to speed up the removal of ball-joints on steering and suspension systems.
- 19mm jaw opening.
- 38mm maximum opening capacity.

3pcs Ball Joint Puller Set (Screw Type)



AC53-OT115C

- Application: For AUDI, BMW, FORD, CHRYSLER, OPEL, SAAB, VOLVO, VW, NISSAN, TOYOTA.
- Sizes : 23 (DIA.) x 55 (L) mm , 28 (DIA.) x 55 (L) mm , 34 (DIA.) x 63 (L) mm

Universal Ball Joint Extractor (22mm)



AC53-OT11622

- For splitting track-rod ends, anti-roll bar mountings, ball joints, etc.
- A : 22mm Max.B : 62mm

Ball Joint Separator (22mm)



AC53-OT109B

- 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.

Universal Ball Joint Extractor (45mm)



AC53-OT11645

- For splitting track-rod ends, anti-roll bar mountings, ball joints, etc...
- A: 45mm Max. B: 90mm

Universal Ball Joint Extractor (32mm)



AC53-OT11632

- For splitting track-rod ends, anti-roll bar mountings, ball joints, etc...
- A: 32mm Max. B: 80mm

Ball Joint Eparator (19mm)



AC53-OT110

- Heat treated drop forged steel body & bolt for long rough usage.
- Spread ball joints easily where space prevents use of direct action method.
- Jaw open: 19mm, maximum opening 38mm.

Universal Ball Joint Extractor (17mm)



AC53-OT11617

- For splitting track-rod ends, anti-roll bar mountings, ball joints, etc...
- A: 17mm Max.B : 58mm

Universal Tie Rod End Tool (Casting 16mm)



AC53-OT119A

- Heat treated drop forged steel body & thrust bolt.
- Fits most cars, simply insert tool between spindle arm and tie rod, turn thrust bolt with 16mm socket or spanner to spread tie rod easily.

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Ball Joint Separator (18mm)



AC53-OT122-18

-For splitting track-rod ends and ball joints

Ball Joint Separator (40mm)



AC53-OT122-40

-For splitting track-rod ends and ball joints

5pcs Tie-Rod / Ball-Joint Splitter Set



AC53-OT133E

- Forks made of drop forged heavy duty chrome vanadium steel.
- 3 drop forged forks: 11/16, 15/16" & 1-1/8".
- 1 Handle for use with hammer.
- 1 Handle designed for use with pneumatic air hammer.
- Both handles are interchangeable.

Ball Joint Separator (23mm)



AC53-OT122-23

-For splitting track-rod ends and ball joints

Ball Joint Separator (46mm)



AC53-OT122-46

-For splitting track-rod ends and ball joints

Ball Joint Separator (24mm x 300mmL)



AC53-OT133A/B

- Tempered drop forged steel one piece construction for long & rough usage.
- 21/32"(18mm) Fork, 16"(400mm) length replaces worn out tie rods easily with a hammer striking.
- Also can separate shock absorber links.

Ball Joint Separator (29mm)



AC53-OT122-29

-For splitting track-rod ends and ball joints

Ball Joint Separator (18mm x 400mmL)



AC53-OT133

- Tempered drop forged steel one piece construction for long & rough usage.
- 21/32"(18mm) Fork, 16"(400mm) length replaces worn out tie rods easily with a hammer striking.
- Also can separate shock absorber links.

19mm Ball Joint Separator (Casting 19mm)



AC53-OT133F

- Heavy-duty rod end remover using impact force from the blow of a hammer.
- Allows for quick precision lifting of the stubborn rod in the steering rod.
- The rod end remover has a widened end for hammering into, an appropriately dilated jaw angle and the right wedge profile to ensure safe and efficient work.

Magnetic Camber Gauge



AC53-OT152

- Accurate camber measuring tool for use after repairs or replacement of struts, wheel assemblies etc. for cars and trucks.
- Vials housed in a durable non-magnetic casing with a magnetic head that attaches firmly to rotors or spindles.
- Range : 5 positive to 5 negative in 1/2 increments.

Magnetic Camber Gauge



AC53-OT152A

- Accurate camber measuring tool for use after repairs or replacement of struts, wheel assemblies etc. for cars and trucks.
- Vials housed in a durable non-magnetic casing with a magnetic head that attaches firmly to rotors or spindles.
- Gauge can be preset at any angle 0 to 90 before making adjustment.
- Range : 5 positive to 5 negative in 1/2 increments.

Magnetic Camber Gauge



AC53-OT152B

- Accurate camber measuring tool for use after repairs or replacement of struts, wheel assemblies etc. for cars and trucks.
- Vials housed in a durable non-magnetic casing with a magnetic head that attaches firmly to rotors or spindles.
- Gauge can be preset at any angle 0 to 90 before making adjustment.
- Range : 5 positive to 5 negative in 1/2 increments.

Multi-Purpose Inner Tie Rod Tool



AC53-OT157

- These tools are specially designed for the inner tie rods that are easily to use
- Replace inner tie rod ends, without removing the rack & pinion
- Capacity:33-42mm

Multi-Purpose Inner Tie Rod Tool



AC53-OT157A

- The master tie rod tools easily replaces inner tie rod ends without removing the rack & pinion.
- Capacity: 33-42mm

Front Wheel Drive Hub Puller (Puller Enhanced)



AC53-OT2002W

- This tool fits most domestic and import ehicles with independent front wheel suspension.
- Makes for easy brake and bearing maintenance. The yoke and bolt are threaded 5/8" x 18UNF .

Front End Service Set



AC53-OT201

- This versatile set allows for easy removal of the most popular types of pitman arms, tie rods and ball joints.
- Press type ball joint separator allows for ball joint removal without damage to boots and other parts that fork type removers may cause.

Front End Service Set



AC53-OT202

- Slide Hammer with multiple attachments including 2/3 Jaw Internal and External Pullers, Rear Axle Puller, Locking Plier Adaptor, Puller Hook and Dent Puller.
- Replacement Part Availability.

Front Wheel Drive Hub Puller



AC53-OT202D

- This tool fits most domestic and import ehicles with independent front wheel suspension.
- Makes for easy brake and bearing maintenance. The yoke and bolt are threaded 5/8" x 18.

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Slide Hammer Puller Set



AC53-OT202T

- For pulling wheel nut bearings
- Thread size of inner thread on sliding hammer is BSW 12G
- Thread size of inner thread of pulling foot is BSW 3/4"
- Total length with assembled pulling foot is approx. 51cm
- Thread adaptor BSW 12G x BSW 3/4" included

Two Sets Bearing Separator Kit



AC53-OT227B

- Pullout the bearing with the H-type beam and bolts.
- Bearing separator OT-136 & OT-137 inside.
- 1 1/4" - 2 1/4". (30mm x 50mm)
- 2 1/4" - 3 1/2". (50mm x 75mm)

TPMS Tool Assortment



AC53-TPMS001

- 1-Torque wrench 2-14 Nm
- 1-Torque tool for valve and sensor assembly 0.5-3.5Nm
- 1-Bit holder of torque tool
- 1-Adjusting rod of torque tool
- 1-Spline driver 2mm
- 1-Bit holder 150mm
- 2-Socket 11-12 mm
- 3-Bit Socket T10-T15-T20
- 1-Tire valve removal tool
- 2-Valve inserting tool torque 0.25 & 0.45 Nm

Two Sets Bearing Separator Kit



AC53-OT227

- Features heavy-duty construction with ratchet locking mechanism on most pliers

11pcs Brake Caliper Service Set



AC53-OT237

- Winds back brake piston for replacing brake pads.
- Fits most cars.

21pcs Brake Caliper Service Set



AC53-OT237D

- Winds back brake piston for replacing brake pads.
- Fits most cars.

Mini Bearing Separator Assembly



AC53-OT227

- Bearing separator OT-136A inside.
- Pullout the bearing with the H-type beam and bolts.

18pcs Brake Caliper Service Set



AC53-OT237C

- Winds back brake piston for replacing brake pads.
- Fits most cars.

Spring Hook Tool



AC43-2002

- This tool made from heat treated alloy steel is especially designed for removing and installing hard-to-reach headlight adjusting springs. OAL 6".

Macpherson Spring Dumper Extractor (Moveable)



AC78-1006

- Step 1: operate the device with a wrench and turn the nut on the top of main body clockwise to press the shock absorber springs
- Step 2: When the chock absorber springs are pressed, and then operator could repair the MacPherson shock absorber with safety
- Step 3: When the work is done, use the wrench and turn the nut on the top of mainbody anti-clockwise to remove the repair device

Macpherson Damper Spring Extractor (Replaceable Jaws)



AC78-1007

- Manual operation
- Brake point: 4275 kgf (ca. 41900 N)
- Max. load: 1710 kgf (ca. 16760 N)
- Required ON-CAR application for Mercedes-Benz 4WD front suspensions
- Provided with product liability insurance
- Includes an extension bracket for the type of coil spring as the image below
- Jaw covers meet European Union RoHS requirement

Macpherson Damper Spring Extractor (Replaceable Jaws)



AC78-1007G

- Manual operation with jaw covers
- Brake point: 4275 kgf (ca. 41900 N)
- Max. load: 1710 kgf (ca. 16760 N)
- Required ON-CAR application for Mercedes-Benz 4WD front suspensions
- Provided with product liability insurance
- Includes an extension bracket for the type of coil spring as the image below
- Jaw covers meet European Union RoHS requirement

Macpherson Spring Dumper Extractor (Adjustable Jaws)



AC78-1006A

- It can be operated with an air wrench
- Equipped with security locks on both jaws for safer shock absorber services
- Jaws width is adjustable
- Break point Max. load:
- Provided with product liability insurance

Macpherson Damper Spring Extractor (Replaceable Jaws)



AC78-1007A

- Air-powered operation
- Brake point: 4275 kgf (ca. 41900 N)
- Max. load: 1710 kgf (ca. 16760 N)
- Required ON-CAR application for Mercedes-Benz 4WD front suspensions
- Provided with product liability insurance
- Includes an extension bracket for the type of coil spring as the image below
- Jaw covers meet European Union RoHS requirement

Macpherson Damper Spring Extractor (Replaceable Jaws)



AC78-1007H

- Air-powered operation with jaw covers
- Brake point: 4275 kgf (ca. 41900 N)
- Max. load: 1710 kgf (ca. 16760 N)
- Required ON-CAR application for Mercedes-Benz 4WD front suspensions
- Provided with product liability insurance
- Includes an extension bracket for the type of coil spring as the image below
- Jaw covers meet European Union RoHS requirement

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