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TOOLS



Automotive Specialty Tools

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6PC. WHEEL SAVER SOCKET SET

#AGT1731



- Plastic sleeve guards wheels from damage.
- Removable sleeve for extra thin wall application.

• Contents: 15, 17, 19, 21, 22 mm & MS17 (Application: Maybach, W221 (S-class) and late CL-class Mercedes which came installed with unique convex lug bolts)

• KBT3148 - Only For MS17 Wheel Saver Socket

MS17



#AGT1880

2PC. LIGHT COVER REMOVER SET



- Easily removes automobile front and tail light covers without cracks.
- Universal application for light covers with clips, but not for those fixed with screw and nuts.
- Slip-resistant handle provides secure gripping.
- Plastic probes avoid creating scrapes on light cover surface.

MULTI-DIRECTION HOSE CLAMP PLIERS

#AGT1881



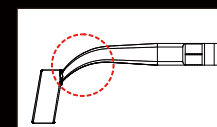
- Wide application plier, available to work on radiator clamp, fuel line clamp and tank ventilation line clamp, and wheel bearing clip.
- Special intersected slots design solves limited space problem.
- 16mm-wide head more effectively grips hose clamp than general pliers with 9mm head.
- Patent pending.

#AGT1882

PLIER FOR BRAKE SPRING WASHER

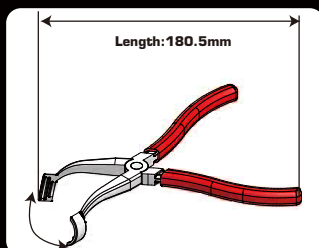
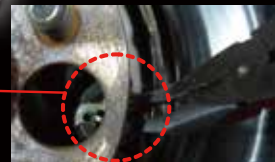
Patented

- Universal application for nearly all drum brakes.
- Special neck angle provides easy removal and installation of brake spring washer.



Technical Data

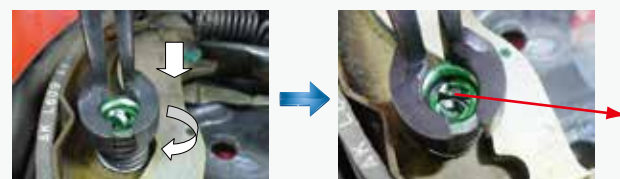
- Length: 180.5mm
- Material: Steel
- Heat treatment: HRC43°~46°
- Max Angle: 50°



Max Angle: 50°

⚠ Warning: Always wear hand gloves when work with this tool

HOW TO USE



1. Hold the handle, clip groove the front ditch and rotation the tool. 2. Remove/Install the spring washer smooth.

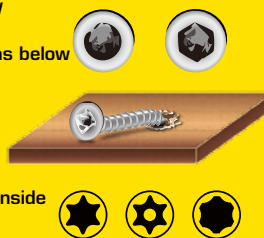
8PC. TORX PLUS EXTRATOR SET

#AGT1883



- DO NOT use on normal bolts, ONLY use when removing hard-to-remove or broken bolts
- DO NOT use an air wrench to operate the extractors

- Special design of torx plus head, twist body with teeth and tap shape.
- High efficiency to remove damage objects as below
 - Hex inside (not stripped)
 - Stripped hex inside
 - Round inside
 - Stripped round inside
 - Torx / torx plus / torx security inside
 - Stripped torx / torx plus / torx security inside
- Wide application



#AGT1884

BMW FUEL PUMP REMOVAL & INSTALL TOOL



- This time saving Volkswagen / Audi / BMW removal and installation tool is used to unlock the fuel pump from the module assembly housing to allow for quick pump removal without damage to the housing plastic retainers.
- On many modern vehicles, the fuel pump is actually part of a pump module which is located in the fuel tank; together with add on units such as the pressure regulator and fluid level sensor. In some cases it is not necessary to replace the complete assembly /module only the pump itself may need to be replaced. With this tool replacement is no problem.
- Refitting the pump without damage is also made easy with the use of this tool.
- This OE quality product is made by Pierburg (Germany) specifically for this purpose.

HEAVY DUTY WRACK WRENCH

#AGT1885

DIAMETER FROM 25mm to 55mm (PAT.)

- 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.
- 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.



Prevents damage to rack components. Use for removal or installation



Service All inner tie rod ends



Round with flats

Hex Drive

Round with No Flats

#AGT1886

ENGINE TIMING TOOL SET

BMW Mini W16D Citroen & Peugeot



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

- Applications: Mini W16D (9HZ) and W16D 16UO, Mini Clubman 07-10 (chassis R55 | 56 | 57) 1.6 diesels.
- Also suitable for Citroën 1.6 diesels in C2 | Xsara Picasso | C4 | C5 | C4 Picasso | Grand Picasso | Berlingo.
- Plus Peugeot 1007 | 206 | 307 | 207 | 308 | Partner Mk3.

OIL FILTER WRENCH 27MM BI-HEX

#AGT1888



Ford Citroen Peugeot models with 2.0 (DW10C) & 2.2 (DW12C) HDi / TDCi diesel engines.

Application:

C-Max / Focus / Galaxy / Kuga / Mondeo / S-Max
 Citroen - C4 / Picasso / Grand Picasso / C5
 Peugeot - 308 / 3008 / 508 / 5008 / 407
 1/2" DR.

DUAL MASS FLYWHEEL – WEAR TESTING TOOL (for testing on the vehicle)

#AGT1898



Universally suitable for vehicles with Dual Mass Flywheel(DMF) Indispensable tool for the quick and professional wear tests of Dual Mass Flywheels (DMF).

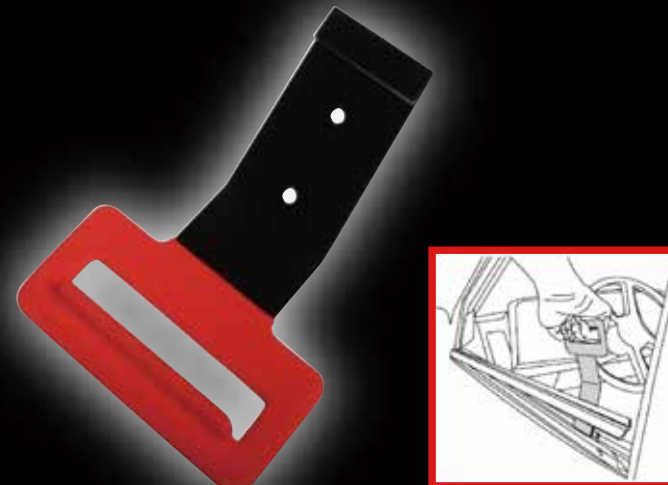
Tests can be performed directly on the vehicle if the clutch has been removed. The test involves checking the rock allowance (axial play) and the free play angle (torsion of the secondary flywheel against the primary flywheel until the tension of the spring can be felt).

Note :

It is generally necessary to test the Dual Mass Flywheel for wear and damage when replacing a clutch. Professional tests are essential as Dual Mass Flywheels that are deteriorated or worn can damage the new clutch as well as the gear box and drive train

WINDOW BELT MOLDING REMOVER

#AGT1900



Quickly Removes All Window Belt Moldings.

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

HOSE CLIPS PLIERS

#AGT1905



• Clic collar pliers swivel heads
 Length: 200 mm

DIESEL FUEL FILTER SOCKET (HDi engines)

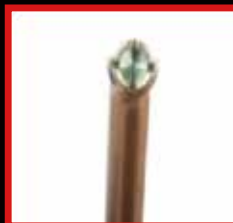
#AGT1897

Specialist socket required for the removal of diesel fuel filter fitted to 2.0, 2.2 HDi engines found in some Citroën, Fiat, Ford, Lancia, Land Rover, Mitsubishi, Peugeot and Volvo vehicles.



Nozzle Adjusting Tool

#AGT1899



- For adjusting the fan nozzle of the screen washing
- For Opel Insignia, Astra (J), etc.

BOSCH VE PUMP SOCKET SET

#AGT1901



INCLUDE:

- Governing pressure wrench
- Triangular wrench for central closing plug
- Triangular wrench for bearing screws governing lever

PLIERS FOR LOCKING RING

#AGT1907



Without eyelet, suitable for Citroen wheel bearing locking rings. The special design of the pliers tips and to the fixing through an elastic counter-bearing wheel bearing locking rings without eyelet are easily removed and replaced. This special pliers provides professional removal and replacement of wheel bearing locking ring which would be otherwise almost impossible.

Applications:

CITROËN : C4 2.0 HDi 16v, C4 Picasso 2.0/2.2 HDi, C5/ C8 2.0/2.2 HDi 16V, Jumpy 2.0/ 2.2 HDi
 FIAT : SCUDO / ULYSSE MK II 2.0 JTD 16V
 FORD : Focus/ Focus C-Max/Galaxy/Kuga/S-Max 2.0 TDCi
 PEUGEOT : 307/308/407/607/807/Expert 2.0 HDi 16V
 VOLVO : C30/C70/S40 Mk II/V50 2.0 Diesel(136 HP)

#AGT1908

OIL DRAIN PLUG MASTER THREAD REPAIR KIT



Tap Sizes:

M13 x 1.25, M13 x 1.5, M15 x 1.5, M17 x 1.5,
 M20 x 1.5, M22 x 1.5mm

- A comprehensive thread repair kit ideal for repairing sump, gearbox and differential drain plug threads.
- Used to tap the damaged thread slightly over size, then fit a new drain plug and washer supplied.
- Set is suitable for the most popular threads used on cars and light commercial vehicles.

#AGT1909

COMPLETE KIT FOR ASSEMBLING AND DISASSEMBLY OF SELF ADJUSTING CLUTCHES (6 HOLE PITCH)

Patented



- Suitable for most Self Adjusting Clutches SAC(3 holes) equipped on vehicles of FIAT GROUP, VW-AUDI, BMW, MERCEDES, VOLVO, OPEL, RENAULT etc.
- Allows operations on clutch equipped with this device in order to prevent any damage to system and to keep adapter ring in right position.

Advantages :

- Pre-tightening of disk pushing plate during assembly and disassembly avoiding clutch deformation.
- Alignment of clutch disk to drive bearing or to disk pushing plate.
- Material : Steel.

#AGT1911

MASTER BEARING RACE AND SEAL DRIVER



- All-in One, self-contained precision driver with no more discs to sort through or guesswork.
- Simply dial in the 3 hardened jaw construction and seat races, bearings or seals with ease.
- Durable, sturdy aluminum construction, equipped with a steel capped striker shaft handle.
- The 3 Stepped Jaws cover a range of O.D./ I.D.'s from 18.5 ~ 89mm or 0.72" ~ 3.50" inches.

#AGT1913

BATTERY CAP OPENING TOOL



- For screwing battery plugs in and out.
- Profile is especially suitable for battery plugs.
- Special length allows universal application in areas with restricted access.

Batteries do not need any maintenance in normal use. However, as with any semi-traction type of battery, if they are constantly being cycled (discharged and charged) to 60% or less, they may need topping up with electrolyte every now and again.

The caps are fitted very tightly and have a seal to prevent leakage. It's very difficult to remove them with a coin or screwdriver but this special tool makes it easy and safe.

#AGT1914

DIESEL INJECTOR SEAT CUTTER SET



- Re-face the diesel injector seat in order for the new or reconditioned injector to be fitted correctly
- Avoid the high risk of "blow by" occurring cause of the build up of carbon deposits and the effects of corrosion
- High quality material - skd11 provides easy clean work
- Various cutters are available for almost all diesel cars

Contents:

15mm x 19mm Flat Reamer	20mm x 21mm Flat Reamer
17mm x 17mm Flat Reamer	T HANDLE 135 x 160mm 19 Socket
17mm x 17mm Flat Reamer	Pilot Hex 19mm X 170mm
17mm x 19mm Flat Reamer	15.5 Mm x 225mm Cutter
17mm x 21mm Flat Reamer	2.5mm Hex Key
18mm x 21mm Flat Reamer	

#AGT1937

HOSE PINCHING PLIERS SET



- New innovative angled design prevents damage to hoses while applying pressure making it the ideal set for under hood work.
- Designed to pinch hoses shut so you can repair engine, brakes and fuel systems without the need to drain fluids.
- Set features a new angled design with a cushioning effect.

#AGT1938 & AGT1939

HARD & SOFT-SIDED HAMMER -NYLON SHAFT SET



- Mini hammer with six different interchangeable tips: one round copper, one flat copper, one flat plastic, one round rubber, one round aluminum and one round steel.
- For automotive interiors and car sheet metal.

#AGT1940

INNER BEARING RING EXTRACTION TOOL SET



Application:

VW-Audi, BMW, Ford, Fiat, Mercedes-Benz, Opel, Renault, Peugeot, Volvo etc.

- Allows precise extraction of inner bearing race from the wheel hub.
- Removal of the hub almost always leaves the inner race on the hub.
- The race is impossible to remove without the correct special tool.
- Makeshift methods such as grinders, Chisels, Welding torches, etc. represent severe risks of personal injury or damage to the components.
- The new puller set allow quick and easy removal of inner bearing races with diameters from 40mm to 72mm with a few minutes without risk of damage or injury.

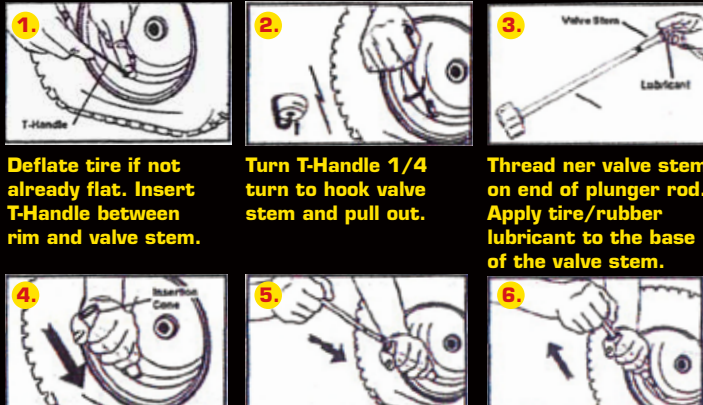
TIRE VALVE TOOL

#AGT1941



- From cars to trucks, ATVs and motorcycle, all of these vehicle suffer from bothersome leaky or broken valve stem Tool.
- Aluminum car wheels are notorious for corrosion around the valve stem base allowing air to leak out.
- The Tire Valve Stem Tool allows the user to replace the valve stem tire without removing the from the wheel, saving time and money.

Replace the Valve Stem Without Removing the Tire From the Wheel



1. Deflate tire if not already flat. Insert T-Handle between rim and valve stem.

2. Turn T-Handle 1/4 turn to hook valve stem and pull out.

3. Thread ner valve stem on end of plunger rod. Apply tire/rubber lubricant to the base of the valve stem.

4. Position insertion cone over stem hole.

5. Push plunger rod/valve stem assembly completely through insertion cone.

6. Pull back to seat valve stem and un-thread.

CLUTCH ALIGNER SET

#AGT1943



- **Universal Clutch Aligner For hub-Ø: 15 - 28 mm**
- Because of the parallel expanding technology it is possible to centre the clutch plate to the clutch pressure plate or to the flywheel.
- The clutch aligner kit contains centering sleeves with Ø 12, 14, 15, 16, 17, 18, 19 and 20 mm.
- For trucks with single or double disc clutches (universal)
- The tool allows the correct alignment of single or double disc clutches of trucks and tractors to the engine.
- Mandrel No.1 is applicable on interior clutch hub-Ø from 36 - 45 mm.
- Mandrel No. 2 is applicable on interior clutch hub-Ø 42 - 52 mm inside.
- The clutch aligner kit contains centering sleeves with Ø 20, 25, 27 and 30 mm.

DIESEL INJECTOR PULLER

#AGT1945



- Heat treated.
- Heavy duty. Prevents damaged caused by other methods. Works on Bosch, Lucas and other injectors.
- With M8, M12, M14 adapters

2PC. UNIVERSAL OIL FUNNEL

#AGT1952



Height of ring adjustable for use with every funnel



1. Screw the funnel to the ring



2. Close the pliers to put them into the oil filling inlet.



3. You can start filling oil.

4PC. SEAL REMOVAL TOOLS

#AGT1942



- 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.

6PC. CLUTCH ALIGNER TOOL FOR TRUCKS

#AGT1944



For trucks with single or double disc clutches (universal)

- This tool set allows the correct alignment of single or double disc clutches of trucks and tractors to the engine.
- Mandrel NO.1 is applicable on interior clutch hub-Ø from 36-45mm inside.
- Mandrel NO.2 is applicable on interior clutch hub-Ø from 42 - 52mm inside.
- The clutch aligner kit contains centering sleeves with ø20, 25, 27 and 30mm.

3/4" DR. EXTRA LONG IMPACT SOCKET FOR WHEEL NUTS

#AGT1946/47/48/49/50/51



400mm Length

- AGT1946- 24mm Extra Long Impact Socket
- AGT1947- 27mm Extra Long Impact Socket
- AGT1948- 30mm Extra Long Impact Socket
- AGT1950- 32mm Extra Long Impact Socket
- AGT1951- 33mm Extra Long Impact Socket
- AGT1952- 36mm Extra Long Impact Socket

COIL SPRING COMPRESSOR (WISHBONE SUSPENSION)

#AGT1953

Patented



- Suitable for lower wishbone diameter size less than 30mm
- Can perform on-car working
- Can be operated with an air wrench
- Provided with a 100Nm-torque extension bar
- Provided with Product Liability Insurance
- Patented on three-point locking design

SPECIFICATION

Break point: 9,500 kgf = 93,100 N
 Max. load: 3,800 kgf = 37,240 N

APPLICATION

Chevrolet, Chrysler, Citroën, Ford, Honda, Hyundai, Kia, Mazda, Mitsubishi, Peugeot, Renault, Škoda, Suzuki, Toyota, Volvo, Volkswagen
 BMW 3 Series (1996-2013)
 Mercedes-Benz W202 W204 (1997-2013)

13pc.

SPECIAL VIBRO CHISEL SET

#AGT1954



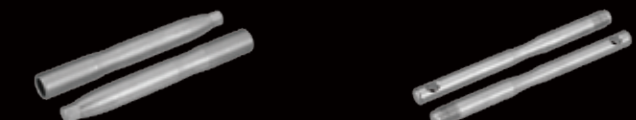
- AGT1954A - A: 74mm Large Flat Hammer.
- AGT1954A - B: 63mm Large Concave Hammer.
- AGT1954A - C: 38mm Medium Flat Hammer.
- AGT1954A - D: 1/2" D Adaptor Hammer.
- AGT1954A - E: Adaptor Shaft Hammer.
- AGT1954A - F: 25mm Hammer.
- AGT1954A - G: Track Rod Hammer.
- AGT1954A - H: 7" X 24mm Impact Ball Joint Separator.
- AGT1954A - I: 7" X 20mm Impact Ball Joint Separator.
- AGT1954A - J: 20mm Flat Chisel.
- AGT1954A - K: Point Chisel.
- AGT1954A - L: 38.5mm Diameter Body Smoother Hammer.
- AGT1954A - M: 10pc. Spare O-Rings.

#AGT1955 & AGT1956

2pc.

WHEEL HANGER

- 2pc Wheel Hanger Sleeves - M12 x P1.5
- 2pc Wheel Hangers - M12 x P1.5



- 2pc Wheel Hangers - M14 x P1.5
- 2pc Wheel Hangers - M14 x P1.25



- 1pc Wheel Hanger - M16 x P1.5



FEATURES

- Save energy and time when changing tires and wheels
- Also provides easier work for disc brake services, preventing brake disc from wobbling

13pc.

WHEEL STUD INSTALLER / WHEEL INTERNAL THREAD TOOLS

#AGT2170



Wheel Stud Installer Kits

- Self-centering to insure that the stud is installed at the correct angle.
- Kits include a bearing seat and nut
- Will not damage wheel stud threads Automotive kit.
- Sizes: 7/16" x 20 UNF, 1/2" - 20 UNF, M12 x 1.25, M12 x 1.50 and M12 x 1.75 and M14 x 1.5

Wheel Internal Thread Kit

- Sizes: M12 x 1.25mm, M12 x 1.5mm, M12 x 1.75mm, M14 x 1.5mm

Application: Mercedes-Bezn Models

#AGT2356

WHEEL-LOCK / LUG-NUT-REMOVAL-SET



Introduction:

- The socket you intend to use should fit the related wheel lock approx. half the way over the head. Pls. try several sockets until you figured out the related one. As the sockets are conical you are in the position to match any wheel lock by reducing the length of the socket individually with a sanding paper for example
- Centre the socket and hit it with the enclosed rod by using a 1.000 gr hammer until the socket is blocked on the wheel lock.
- The socket and the blocked wheel lock can now be unscrewed with a regular wheel wrench. Do not use a impact wrench
- In case that the socket loose the grip to early, please repeat the first step and hit the socket on the wheel lock again
- Afterwards you can release the wheel lock from the socket by using the related enclosed rod.
- Please refer to the illustration on the right side for better understanding.

#AGT7003

CALIBRATORS FOR TUBE



Feature:

Easy to remove the tube burr when you are cutting tube.

Advantages:

- 6 sizes in one tools.
- Strong steel to cut the burr.
- Special design shape for hand holding using.
- One time remove burr at the inside and outside

External size X Thickness

14x2, 16x2, 18x2, 20x2, 26x3, 32x3

#AGT7014

PULLER FOR RIBBED DRIVE PULLEYS



Applications:

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

#AGT7006

UNIVERSAL PULLEY HOLDING WRENCH

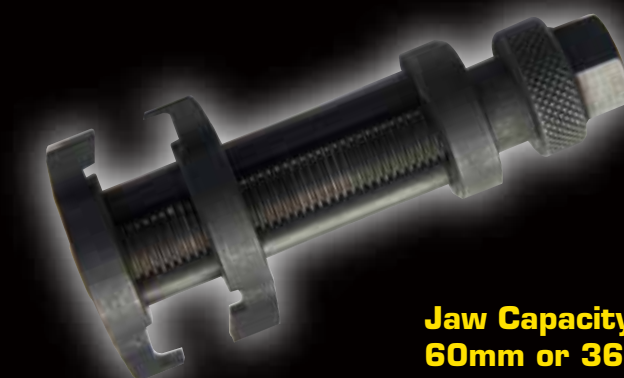


Feature:

Special design for two ways to tighten and loosen using. Easy to holding the pulley. Universal use. Range: 100 ~ 150 mm
Material: S45C Steel

#AGT7007 & AGT7008

SPRING HOSE CLAMP TOOL (85MM or 60MM)



Jaw Capacity
 60mm or 36mm



Applications:

- For compressing spring steel hose clamps
- Particularly useful in confined spaces
- Universal use for all vehicles
- Also usable on the new style VAG Clips

#AGT7004

SHOCK ABSORBER INSTALLATION TOOL



This new and innovative tool is a genuine problem solver for the dismantling and assembly of shock absorbers with tension stop springs.

Material: Aluminum steel and S45C steel

Includes:

- 1 x Telescopic basic unit with handle,
- 1 x Intermediate bearing with telescopic pipe receiving thread and handle
- 1 x Uni-clamping piece with plastic jaw protector,
- 1 x Clamping screw set, 2 pcs short,
- 1 x Clamping screw set, 2 pcs long
- 1 x T-grip Allen key with ball

Applications e.g.:
BMW / MB / Toyota / Nissan / Fiat / Peugeot / Ford .etc .

Instruction:



1. Strut completely removed and install the clamp set.



2. Put the puller device on the strut and lock the nut.



3. Turn the handle clockwise as show and hold on the puller.



4. Until up to suitable position to lock the clamp.



5. Take out the puller device and install this absorber to right position.

#AGT7015

UNIVERSAL SPROCKET LOCKING SET



Applications:

Comprises:

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

Operation:

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

#AGT7002

FIXING CLAMPS SET

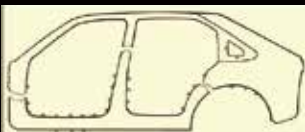


For a clamping range of 0-5mm
Instructions for use
Instead of grip or clamp pliers, use the fixing clamp to fix metal sheets. Put the fixing clamp into the special pliers and open them. Slide the opened fixing clamp over the metal sheets. Finally release the load and remove the pliers from the metal sheets. You can remove the fixing clamp in the opposite way.

Advantages:

- Quick installation and removal of the clamps.
- Easy to readjust the metal sheets.
- The small dimension (like a door sealing) allows to adjust different gaps easily.
- Application also for hardly accessible places.
- Wide clamping range at small dimensions.
- Low-price alternative instead of grip pliers.

DESCRIPTION	SIZE	Q'TY
Clamp Pliers	0mm-5mm	1
Clip	0mm-5mm	10



Instruction for use



Insert the fixing clamp into the special plier.



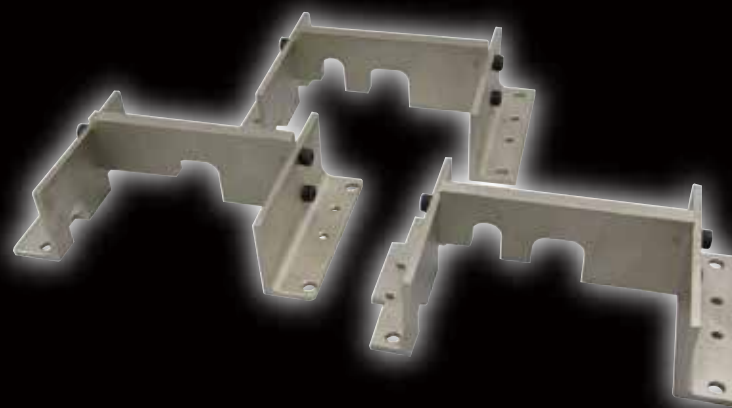
Open the plier and slide the clamp over the sheet metal edges to be joined and release the pliers



The powerful force of the fixing clamp keeps the clamps sheet metal in place. To remove the fixing clamp, slide the plier over it and open the clamp

#AGT2348

ALIGNMENT TOOL SET MERCEDES BENZ M275



- This retaining device is designed for positioning the camshaft in 30 degree TDC position

Applications:

- 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.

#AGT2317

ALIGNMENT TOOL SET MERCEDES BENZ M271



Applications:

- 1. for drawing in the timing chain. Retains timing chain with camshaft sprockets in proper timing position.
- 2. makes it possible to position the camshafts in the installed position & makes it possible to slacken and tighten the bolts attaching the camshaft gear.
- 3. is to install the plug into the timing case cover (access to chain tensioner).
- 4. is for unloading the timing chain tensioning device. Release the timing chain (1). To do this, 4 in the timing case and push back the tensioning rail (2).
- 5. For removal crankshaft front gear wheel Release the timing chain

Applicable: BENZ (M271)

#AGT2365

TIMING TOOL SET MERCEDES AMG 156



Introduction:

Basic position of camshafts for a 40 crank angle after top dead center.

Applications:

Benz: AMG 156 ML 63, AMG S 63L, AMG S 63, AMG R63, AMG L 4MATIC R63, AMG 4MATIC E63, AMG CLS 63, AMG CLK 63, AMG CLK 63, AMG Black series CLK 63, AMG Cabrio CL 63

#AGT2349

TIMING TOOL SET MERCEDES BENZ M276



Applications:

- Applicable: BENZ M157, M276, M278 engine

#AGT2350

ENGINE TIMING TOOL SET BMW S54



- For checking and setting camshaft timing When installing VANOS adjustment unit on S54 engines.

Application: M3 cabriolet(00~06), sports coupe(99~06), CSL sports coupe(03~04)

#AGT2401

VAG OIL SEAL PULLER 32MM & 55MM



- Special designed to remove crankshaft, and camshaft position sensor seals.

Applications:

VAG all engines except diesel extractor for 35 - 44 mm sealing ring diameter, with 31.5 mm center bore extractor for 59-64 mm sealing ring diameter, center bore 54.5 mm

#AGT7013

CAMSHAFT FITTING TOOL



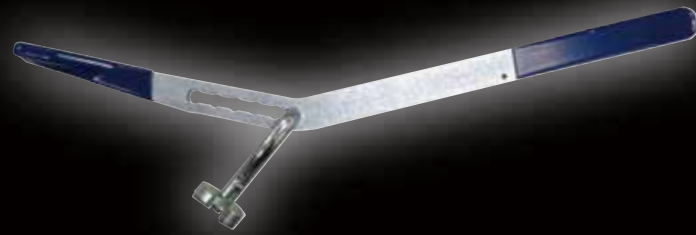
For fitting camshaft in cylinder head

Applications:

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

#AGT7005

DIESEL FILTER WRENCH

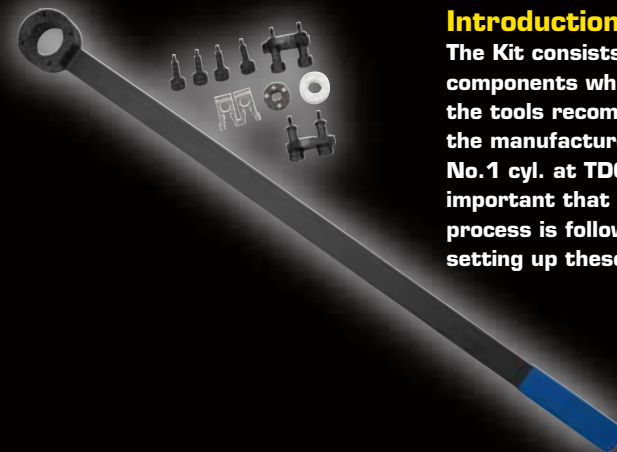


During installation of the filter unit the filter cover cannot be closed without exerting force. By tightening the cover down using the Torx bolts, the cover is distorted and will leak. If leakage occurs at a later date, diesel fuel can leak onto the auxiliary belts causing them to slip. Furthermore it could leak onto the toothed belt resulting in engine damage

- UFI Fuel Filter Cover - no deformation -
- No application solution is available from the manufacturer
- Subsequent replacement of the complete housing at the expense of the workshop is avoided (a cost saving of some 200 €)
- Correct installation
- Time- and cost saving For Audi / VW, Škoda, Seat 2.0 l TDi CR

#AGT2371

TIMING TOOL SET VW/AUDI 2.0L



Introduction:

The Kit consists of 6 main components which include the tools recommended by the manufacturer to set No.1 cyl. at TDC. It is important that the correct process is followed when setting up these engines.

Applications:

- VW/Audi 2.0L Turbo Timing Set Applicable to VW and Audi vehicles with a 2.0L (turbo) engine. T10355: Used for counter-holding the vibration damper when loosening or tightening the center bolt of the Crankshaft
- T10368: Used when removing and installing Lower Timing Chain Cover
- T40196: Used for sliding pieces on Camshaft on 2.0L 4V Turbo engines.
- T40267: Locking Clips for Chain Tensioner.
- T40271: Used to lock Camshaft Sprockets in TDC position when installing Timing Chain.
- VW 10352: Used for removal and installation of the 7/3 way central valve for camshaft adjustment. Comparable to factory tool numbers T10352 and T10352/1.

#AGT2372

ENGINE TIMING TOOL VAG 1.8/2.0 4v TFSi CHAIN ENGINE



Introduction:

The Kit consists of 8 main components which include the tools recommended by the manufacturer to set No.1 cyl. at TDC. It is important that the correct process is followed when setting up these engines.

Preparation and precautions:

Raise the front of the vehicle and remove the front wheels and inner wheel arches as required.
 Remove the engine under shield, top cover, air intake, auxiliary drive belt(s).
 Ensure the engine is at TDC No.1 cyl.
 Ensure the chain tensioner is fully retracted and held in the retracted position using the pin provided.

#AGT2378

PETROL ENGINE SETTING / LOCKING SET VAG 1.2, 1.4 TFSi, 1.4, 1.6FSi - CHAIN DRIVE



Introduction:

Timing kit suitable for 1.2/1.4TFSi and 1.4/1.6FSi engines. Kit contains essential tools for crank TDC positioning, camshaft setting and tensioner locking.

Applications:

- Audi: A1 (10-12), A3 (03-12)
- Seat: Altea / Altea XL (08-12), Ibiza / Cordoba (08-12), Leon (07-12), Toledo (07-09)
- Skoda: Fabia II (07-12), Octavia II (04-12), Roomster (06-12), Superb II (09-12), Yeti (09-12)
- VW: Caddy/Caddy Maxi (10-12), Eos (06-12), Golf (03-12), Golf Plus (03-12), Jetta (06-12) Passat (05-11), Polo (02-12), Scirocco (08-12), Tiguan (07-12), Touran (03-12)

Engine Code:

- 1.2TSi: CBZA, CBZB, CBZC
- 1.4FSi: AXU, BKG, BLN
- 1.4TFSi: BLG, BMY, BWK, CAVA, CAVB, CAVC, CAVD, CAVE, CAVF, CAXA, CAXC, CDGA, CSMA
- 1.6FSi: BAG, BLF, BLP, BTS

#AGT2373

PETROL ENGINE SETTING / LOCKING SET - VAG 1.2, 1.4 TFSi, 1.4, 1.6FSi - CHAIN DRIVE



Introduction:

Timing kit suitable for 1.2/1.4TFSi and 1.4/1.6FSi engines. Kit contains essential tools for crank TDC positioning, camshaft setting and tensioner locking.

Applications:

The application list includes Volkswagen Polo / Golf / Golf Estate / Golf Plus / Jetta / Passat / Eos / Tiguan and Touran / Audi A3 1.6 / Skoda Fabia II 1.6 / Octavia II and Roomster

Engine Code:

- AXU / BAG / BKG / BLF / BLG / BLN / BLP BMY / BTS / BWK / CAXA

#AGT7010

DIESEL ENGINE SETTING/LOCKING & HP PUMP REMOVAL/INSTALLATION SET VAG 2.7/3.0 TDI V6 & 4.0/4.2 TDI V8



Applications:

VAG 2.7/3.0 TDi V6 and 4.0/4.2 TDi V8

Chain Drive Diesel Engines fitted to:

- AUDI:A4,A5,A6,A6 Allroad,A8,Q5,Q7
- VOLKSWAGEN:Phaeton,Touareg
- V6 engine codes: ASB, BKN, BKS, BMK, BMZ, BNG, BPP, BSG, BUG, BUN, CAMA, CAMB, CANA, CANB, CANC, CAPA, CARA, CARB, CASA, CASB, CASC, CATA, CCMA, CCWA, CCWB, CDYA, CDYB, CDYC, CEXA, CGKA and CGKB.
- V8 engine codes:ASE,BTR,BVN,CCFA.

#AGT7017

ENGINE TIMING TOOL SET
AUDI Q5 2.0. A6L 2.8. 3.0T



Applications:

A complete set for alignment, adjustment the camshaft, replacement the timing chain and etc.. To improve your working speed with this complete set.

#AGT7009

ENGINE TIMING TOOL SET
AUDI



Applications:

- Special designed set of tools for alignment camshaft locking, and adjusting.
- Camshaft adjuster pre-tensioning
- Camshaft locking
- Removal/installation of timing chain(s)
- Align camshaft

AUDI		
Model	Engine code	Year
A6 2,4	BDW	2004-07
A6 2,4 quattro	BDW	2004-07
A4 3,2 FSI	AUK	2004-07
A6 3,2 FSI	AUK, BKH	2004-07
A8 3,2 FSI		2005-07

#AGT2389

TIMING TOOL SET
BMW S65



- To locate the camshaft in TDC position and correct the vanos angle.

Applications: BMW E90/M3, E92/M3, with S65 engine.

#AGT2347

TIMING TOOL SET
BMW M651



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

#AGT2382

VALVE PRESSURE SPRING INSTALLER/REMOVER
BMW N20, N26, N55



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

Applications:
BMW N20, N26, N55.

#AGT2383

FUEL INJECTOR INSTALL & REMOVE TOOL
BMW N55



Applications:

- Special designed to install and remove the injector in N55 engine
- In order to remove the N55 fuel injectors from the cylinder head, must be utilized. Failure to use the special tool will result in damage to the injectors.

Applicable: BMW (N55)

#AGT2296

TIMING TOOL SET
BMW N63



Applications:

- BMW N63 engines.
- Used to align the camshaft.

Model	Chassis Series	Engine	Year	Model	Chassis Series	Engine	Year
750i	F01	N63	2009, 2010, 2011, 2012	Active Hybrid 750Li, Active Hybrid 750i	F04	N63	2011, 2012
750i xDrive Sedan	F01	N63	2010, 2011, 2012	550i Gran Turismo	F07	N63	2010, 2011
BMW ALPINA B7	F01	N63	2011, 2012	550i xDrive Gran Turismo	F07	N63	2011
BMW ALPINA B7 xDrive	F02	N63	2011, 2012	550i Sedan, 550i Sedan A, 550i xDrive Sedan, 550i xDrive Sedan A	F10	N63	2011
750Li	F02	N63	2009, 2010, 2011, 2012	650i Convertible A, 650i Convertible, 650i *Drive Convertible A	F12	N63	2012
750Li xDrive Sedan	F02	N63	2010, 2011, 2012	650i Coupe, 650i Coupe A, 650i *Drive Coupe A	F13	N63	2012
BMW ALPINA B7 LWB, BMW ALPINA B7 xDrive LWB	F02	N63	2011, 2012				

#AGT2337

TIMING TOOL SET
BMW N62 / N73



Applications:

Master timing kit for BMW N62, N73 Kit includes Crankshaft Wrench, Angle Indicator, 27mm Socket, Chain Tensioner, and Camshaft Alignment holder and locking pin

TIMING TOOL SET MERCEDES BENZ M133

#AGT2346



Introduction:

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 assemble of the cylinder head. Designed to allow removal and a ssembly of the camshafts.

Application: M133 2.0 AMG engine

Model	Chassis	Engine	CC	Year Form
A Class	176	M270	1.6/2.0	2012
B Class	242/246	M270	1.6/2.0	2012
CLA	117	M270	1.6/2.0	2012
C Class	204	M274	1.6/2.0	2011
C Class COUPE		M274	1.6/2.0	2011
E Class	212	M274	1.6/2.0	2011

TIMING TOOL SET BMW N20, N26

#AGT2351



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

Application: BMW N20,N26 Engine

TIMING TOOL SET BMW N13, N18

#AGT2352



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

Application: BMW N13,N18 Engine

BEARING STRIP FIXTURE TOOL SET BMW N51, N52

#AGT2340



Introduction:

This set includes indispensable tools for installation the exhaust camshaft bearing cover and is suitable for BMW N51 and N52 engines.

Applications:

For locating upper and lower bearing strip when installing exhaust camshaft. Contents: 6pcs thrust tool, 2pcs M7 screws, 1pcs press tool

DIESEL ENGINE SETTING/ LOCKING SET BMW/ MINI N47/N57 1.6, 2.0, 3.0 - CHAIN DRIVE

#AGT2363



Introduction:

Essential tools for timing the BMW/Mini N47/N57 1.6, 2.0 and 3.0 diesel chain drive engines. Kit includes camshaft setting plate, flywheel locking pin and crankshaft turning tool. Kit also includes HP pump sprocket retaining tool required during pump removal/replacement applications.

Applications:

BMW: 116d E81/82/87/88 (08-12), 118d E81/82/87/88 (07-14), 120d E81/82/87/88 (07-14), 123d E81/82/87/88 (07-14), 316d E90/91/92/93 (09-12), 318d E90/91/92/93 (07-12), 320d E90/91/92/93 (07-12), 325d E90/91/92/93 (10-14), 330d/xd E90/91/92/93 (08-14), 520d E60/61 (07-10), 525d F10/11 (10-12), 530dF10/11 (10-13), 530dGT F07 (09-12), 535d F10/11 (10-12) 535dGT F07 (10-12), 730d/Ld F01/02/04 (08-12), 740d F01/02/04 (09-12), 740d xDrive F01/02/04 (09-12), X1 sDrive 18d E84 (09-12), X1 sDrive 20d E84 (09-12), X1 xDrive 18d E84 (09-14), X1 xDrive 20d E84 (09-12), X1 xDrive 23d E84 (09-12), X3 2.0d E83 (07-10), X3 xDrive 18d E83 (08-10), X3 xDrive 30d E83 (11-12), X5 3.0d E70 (10-12), X5 xDrive 40d E70 (10-13), X6 xDrive 30d E71/72 (10-14), X6 xDrive 40d E71/72 (10-14)
Mini: Clubman (10-14), Clubvan (12-14), Countryman (10-14), Mini (10-14), Paceman (13-14), Roadster(12-14)

Engine Code:

N47/N47S: C16K1, C16U1, C20K1, C20U1, D20A, D20B, D2000, D20T0, D20U0
N57: D3000, D3001, D30T0, D30U0

ENGINE TIMING TOOL SET ALFA ROMEO/FAIT/VAUXHALL/OPEL

#AGT7012



- Engine timing kit for GM derived belt driven engine 16v 1.6 and 1.8 Z and A engine codes found in Vauxhalls, Chevrolet's, Fiats and Alfa Romeo's. 2003 - 2012.
- Engine timing tool kit for GM engines fitted to Vauxhall/Opel and other vehicles 16v 1.6 and 1.8

Applications:

Astra-G |H| Corsa-D | Insignia | Mervia | Signum | Vectra-C | Zafira-B 2003-2011
• Also fits Chevrolet Cruze, Orlando 1.4 | 1.6 | 1.8 and Fiat Croma, Alfa Romeo 159 with 939A4.000 engines

ENGINE TIMING TOOL SET FOR PROFESSIONAL ENGINE REPAIR BMW N42 / N46 / N46T

#AGT2310



Applications:

BMW: 118i E81/82/87/88 (04-12), 120i E81/82/87/88 (04-12), 316ti Compact E46 (01-07), 318i/ti Compact E46 (01-07), 318i E90/91/92/93 (05-12), 320i E90/91/92/93 (05-12), 520i E60/61 (07-10), Z4 2.0 E85/E86 (04-09), X1 sDrive 18i E84 (10-12), X1 xDrive 18i E84 (10-12), X3 2.0 E83 (05-10)

Engine Code:

N42/N46/N46T:
B18, B18A, B20, B20A, B20B, B20BD, B20BZ, B202

ENGINE TIMING TOOL SET OPEL

#AGT7018



Applications:

Cadillac: ELR (2014)
Chevrolet: Aveo (2011-14), Cruze (2012-14), Volt (2012-14)
Holden: Volt (2014)
Vauxhall/Opel: Agila (2000-03), Agila B (2008-10), Adam (2012-14), Ampera (2011-14), Corsa C (2000-14), Corsa D (2006-14), Insignia (2011-14), Meriva B (2010-14), Mokka (2012-14), Zafira C Tourer (2011-14)

Engine Code:

1.0: Z10XE, Z10XEP
1.0 Ecoflex: AXEP, Z10XEP
1.2: A12XEL, A14XER, L2Q/A12XEL, LDC/A12XER, LWD, LWD/A12EXL, Z12XE, Z12XEP
1.2 Ecoflex: A12XER
1.4: A14XEL, A14XER, L2Z, LDD, LDD/A14XEL, LDD/A14XR, LDD/A14XFL, LUJ/A4NET, LUU, Z14XE, Z14XEP
1.4 Ecoflex: A14XER, L2Z, LDD, LUH/A14NEL, LUJ/A14NET
1.4 Turbo: LUJ/A14NEL, LUJ/A14NET