

**QUALITY
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AUTOMOTIVE TOOLS



TC-AUTO2023

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Disc Brake Piston Spreader Tool Universal

Art. TC4066



Essential tool for retracting brake piston to allow insertion of new brake pads.
Suitable for most ATE, Bendix, Delco and Girling calipers.

Brake Piston Wind - Back Tool with Double Adaptor

Art. TC9009



For use with brake calipers with a right-handed threaded piston.
For most popular Japanese and European vehicles.

18pc Brake Caliper Piston Tool Kit

Art. TC4018



Used to rotate and press the piston back into the brake caliper.
2pc Right handle and Left handle T bar spindles.
1pc Reaction plate.
Included 15pc No.: #2, #3, #4, #5, #6, #7, #8, #9, #A, #F, #N, #M, #E, #K, #O.

21pc Brake Caliper Piston Tool Kit

Art. TC4021



Used to rotate and press the piston back into the brake caliper.
2pc Right handle and Left handle T - bar spindles.
1pc Reaction plate.
Included 17pc No.: #0, #2, #3, #4, #5, #6, #7, #8, #9, #A, #F, #N, #M, #E, #K, #K1, #K2.

Vacuum Tester and Brake Bleeding Kit

Art. TC9004-1



A multifunction vacuum diagnostic tool with robust compact design.
For diagnosing faults commonly found on vehicle systems including fuel, ignition, transmission and emissions.
Kit includes reservoir, hoses and adaptors for bleeding brake and clutch systems on cars, commercials and motorcycles.

Vacuum & Pressure Test and Bleeding Kit

Art. TC9006



Professional vacuum / pressure diagnostic tool helps identify a variety of faults on vehicle systems including fuel, ignition, transmission, emission & air conditioning / heating.
Kit also includes reservoirs, hoses and adaptors for bleeding brake and clutch systems.
Features simple push / pull function for choice of pressure or vacuum testing.

3 Jaws Brake Cylinder Hone

Art. TC1086



Great for honing brake calipers & wheel cylinders. Fitted with 28.5 mm (1 - 1/8") medium grade stones. Capacity : $\Phi 20-64$ mm (3/4" - 2 - 1/2").

Cylinder Hone Kit

Art. TC1086Z



Four cylinder honing tools in one set including cylinder holes from 18 mm to 89 mm. Suitable for honing and glazing brake caliper cylinders and motorcycle engine cylinders, outboard motor and lawnmower. Adjustable honing pressure and flexible drive shaft. Supplied in a storage box.
Leg configuration:
Large triple: $\Phi 32-89$ mm.
Small triple: $\Phi 19-68$ mm.
Double standard: $\Phi 18-64$ mm.
Stone sizes: 6 x 28 mm, 3 x 50 mm.

Brake & Clutch Bleeding Fluid Vacuum Pump Bleeder 3 L & 1 L

Art. TC3683



One-man brake and clutch bleeding the professional way. Reservoir holds 2.5 L of hydraulic fluid - flush the entire system with one fill, without the risk of running the reservoir dry. Fitted with $\Phi 45$ mm cap with 90° angled connector which is suitable for most European models.

Brake & Clutch Bleeder Vacuum Type 1 L

Art. TC3686A



Simple, one-man operation using standard workshop air supply (90 - 120 psi). Draws fluid from the bleed nipple enabling either bleeding or full replacement of fluid in system. Quick, clean and efficient.

Pneumatic Brake & Clutch Bleeder Kit 0.75 L & 1 L

Art. TC3686



Simple, one man operation using standard workshop air supply (90 - 120 psi). Draws fluid from the bleed nipple enabling either bleeding or full replacement of fluid in system. Oil extraction container: 1 L approx. Refill container: 0.75 L approx. Adapter size: 21-30 mm, 24-32 mm, 28-37 mm, 32-41 mm.

CVJ Boot / Hose Clip Tool with Cutter

Art. TC4127



Designed to aid fast tensioning and securing of CVJ boot banding material.
Maximum Band Capacity: 1 mm Thick x 10 mm Wide.

CVJ Boot Band Plier

Art. TC4128



Steel body CVJ Boot band pliers with 3/8" Sq drive, for the assembly of new stainless steel bands on drive shafts where a torque setting is required.

Heavy - Duty Ear - Type Clip Plier

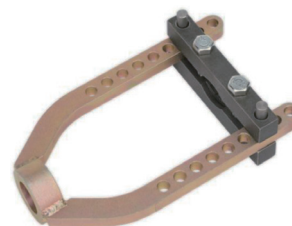
Art. TC4189



Steel jaws with PVC coated handles for added comfort. Each handle features a 1/2" Sq drive for use with a torque wrench & breaker bar where vehicle maker demands specific band tensions. Suitable for all ear - type CVJ boot clips.

CVJ Removal Tool

Art. TC9039



Quickly removes the CV joint from the drive shaft without damaging the joint, and keeps hands free for releasing retaining circlip.

Ball Joint Splitter 17 mm

Art. TC83025



Design for removing the track rod end from the steering arm without doing damage to the taper pin. Jaw capacity: 17 mm.

Ball Joint Splitter

Art. TC6022



Ball Joint Splitter for removing steering and suspension ball joints up to 20 mm diameter.

Universal Ball Joint Splitter 22 mm

Art. TC6027



Heat treated drop forged, steel body and bolt for long rough usage.
For separating the ball joint from the spindle support arm on most cars.
Jaw capacity: 22 mm.

Universal Pneumatic CV Boot Installation Tool

Art. TC9480



Installs CVJ boots without removing drive shafts from the vehicle or the CV joint from the drive shaft.
Composite body with simple control valve, works from standard workshop air supply.
Air Inlet Size: 1/4" BSP.
Maximum Air Pressure: 116 psi (8 bar).
Maximum Joint Diameter: Φ 110 mm.

2pc Coil Spring Compressor 370 mm

Art. TC9013



Made of heat treated steel and drop forged steel hooks.
For use On or Off vehicles when working on suspension struts.
Can be used with a 1/2 in. Dr Ratchet or 21 mm Spanner / Socket.

Universal Clutch Alignment Tool

Art. TC9476



Nylon components with steel main shaft and with three different sized expanding collets.
For easy alignment of single plate clutches, also suitable for flywheels with no pilot bearing.
Fits 90% of cars and light vans up to 5 tons gross (not suitable for Mini's or vehicles with double plate clutches.).

17pc Universal Clutch Aligning Tool Kit

Art. TC8722



For fast accurate alignment of flywheel pilot hole and clutch drive plate when assembling to car.
Suitable for use on most cars and light commercial vehicles.
Mandrel: Φ 14.2-25.5 mm.
Spigot Adaptors: Φ 10.6-20 mm.

23pc Wheel Lock Removal Kit - VW

Art. TC5573



Spline design are used to remove wheel nuts screw on most BMW and Mini series.
Size: #51/6PT, #52/7PT, #53/8PT, #54/9PT, #55/10PT, #56/11PT, #57/12PT, #58/13PT, #59/14PT, #60/15PT, #61/16PT, #62/17PT, #ABC0/10PT, #ABC1/11PT, #ABC2/13PT, #ABC3/14PT, #ABC4/15PT, #ABC5/16PT, #ABC6/17PT, #ABC7/19PT, #ABC8/20PT, #ABC9/21PT.
Using with 1/2" socket 17 mm.

Chain Breaker & Riveting Tool

Art. TC2247



Breaks and rejoins most types of chain quickly and easily.
Suitable for most sizes of drive or cam chain from #25 to #520.
Supplied with a range of pins, dies and detailed instructions.

3pc Ball Joint Puller Set

Art. TC6013



Features heavy - duty forged steel body and hardened screw with thrust ball.
Three sizes of jaw allow use on most cars and light commercial vehicles.
Size: Small 23 mm, Medium 28 mm, Large 34 mm.

5pc Ball Joint Splitter Kit

Art. TC9005-1



For separating ball joints, tie rods, pitman arms and other uses.
Includes three forks for various sized ball joints.
Internal jaw widths are 17 mm, 24 mm & 28mm.

5pc Puller Set

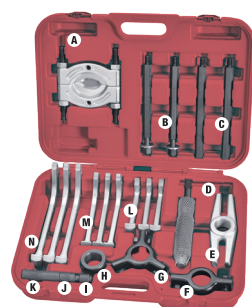
Art. TC6020



Allows easy removal of 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.
Includes:
Pitman Arm / Tie Rod End Puller.
Ball Joint Separator.
Pitman Arm Puller.
Ball Joint / Tie Rod End Remover.
Tie Rod / Inner Bearing Race Puller.

22pc Manual Hub Puller Set

Art. TCP0049



Art.	Description	Pc
A	Bearing Separator Separated Range:75-105mm Drop Forged HRC42-45	1
B	Main Road (19 mm x L8" x €15.24 mm - 1.75 P)	2
C	Extension Road (19 mm x L8" x €15.24 mm - 1.75 P)	2
D	RAM	1
E	Beam	1
F	Twin Head	1
G	Triple Head	1
H	Ram Nut (HRC 42-45)	1
I	Sent pop (€1" x L30 mm)	1
J	Ram Extension Rod (€1" x L2")	1
K	Ram Extension Rod (€1" x L4")	1
L	leg 4" (HRC 42-45)	3
M	leg 6" (HRC 42-45)	3
N	leg 8" (HRC 42-45)	3

18pc Oil Pressure Pull Wheel Tool Set



Features :
The new type of oil pressure pull wheel tool adopted for easy operation.
Traditional ordinary pull wheel leading to great effort needed.
Freely rotate, upon the center point from pull wheel to position, the center point to be pulled is easily met.

Art.	Material	Output	Spread max	Reach max	Axes travel
TCP0005	45#C	5 T	140 mm	200 mm	50 mm
TCP0010	45#C	10 T	160 mm	250 mm	50 mm
TCP0015	45#C	15 T	180 mm	300 mm	55 mm
TCP0020	45#C	20 T	200 mm	350 mm	75 mm
TCP0030	45#C	30 T	250 mm	400 mm	75 mm
TCP0050	45#C	50 T	350 mm	500 mm	75 mm

Universal Transmission Oil Filling System Set**Art. TC3670**

For filling transmission, distributor transmission and differentials of different vehicle manufacturers with oil.
Includes 15 piece adapter set with various angle tails for correct and economic filling.
Capacity: 7.5 L.

Petrol Engine Camshaft Setting Tool - VAG 1.4, 1.6 16V / FSi

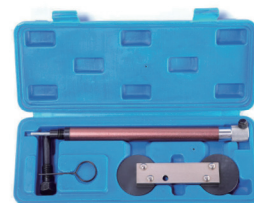
Art. TC1631



For locking the camshaft pulleys when changing the toothed belt on Audi, Seat, Skoda and VW.
Suitable for 1.4 and 1.6 16 V twin camshaft petrol engines.

Petrol Engine Setting / Locking Kit - VAG 1.2, 1.4TFSi, 1.4, 1.6FSi

Art. TC8060



Timing kit suitable for 1.2 / 1.4TFSi and 1.4 / 1.6FSi engines.

Applications:

Audi; A1 (10-12), A3 (03-12) Seat; Altea / Altea XL, Ibiza / Cordoba Leon, Toledo.
Skoda; Fabia II, Octavia II, Roomster, Superb II, Yeti VW; Caddy / Caddy Maxi, Eos, Golf, Golf Plus, Jetta, Passat, Polo, Scirocco, Tiguan, Touran.

Petrol Engine Timing Tool Kit - VAG 1.2 1.4 1.6 FSi / TSi

Art. TC8060A



Set comes with: camshaft locking tool, dial test indicator, TDC indicator, camshaft alignment tool, tensioner Pin, crankshaft locking pin, guide pins.

Applications:

Golf Estate, Golf Plus, Jetta, Passat, Eos, Tiguan and Touran.

Petrol Engine Timing Tool Kit - VAG 1.2 / 1.4 TFSi, 1.4 / 1.6 FSi

Art. TC8060B



Timing toolkit for 1.2, 1.4TFSi and 1.4, 1.6FSi engines.

The kit includes the necessary tools for GMP positioning, timing shafts and tensioner locking.

Supplied in storage case.

Application: Audi: A1 (10-15), A3 (03-13) Seat Alhambra (10-15), Altea / Altea XL (08-15), Ibiza / Cordoba (08-12), Leon (07-13), Toledo (07-15) Skoda: Fabia II (07-15), Octavia II (04-15), Praktik (10-15), Rapid (12-15), Roomster (06-15), Superb II (09-14), Yeti (09-14) VW: Beetle (11-15), Caddy / Caddy Maxi (10-15), EOS (06-12), Golf (03-12), Golf Plus (03-14), Golf V Estate (07-13), Golf VI Cabriolet (10-15), Jetta (06-14), Passat (05-11), Polo (02-14), Scirocco (08-12), Tiguan (07-12), Touran (03-15).

Engine codes:

1.2: CBZA, CBZB, CBZC

1.4: AXU, BKG, BLG, BLN, BMY, BWK, CAVA, CAVB, CAVC, CAVD, CAVE, CAVF, CAXA, CAXC, CDGA, CSMA 1.6: BAG, BLF, BLP, BTS.

Petrol Engine Timing Tool Kit - VAG 1.2 / 1.4 TFSi, 1.4 / 1.6 FSi

Art. TC8060C



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. Supplied in storage case.

Applications:

Audi: A1(10-15)A3(03-13)
Seat Alhambra(10-15)Altea L(08-15)Ibiza/Cordoba 08-12 Leon07-13 Toledo07-15)
Skoda: Fabia II(07-15) Octavia II 04-15), Praktik (10-15), Rapid(12-15),Roomster (06-15), Superb 1(09-14), Yeti(09-14)
VW: Beetle(11-15), Caddy/Caddy Maxi(10-15)EOS(0-12), Golf (03-12), Golf Plus (03-14), Golf V Estate(07-13), Golf V Cabriolet 10-15), Jetta (06-14), Passat (05-11), Polo (02-14), Scirocco (08-12), Tiguan(07-12), Touran(03-15).

Engine Codes:

1.2TFSi CBZACBZB CBZC.

1.4 FSi: AXU.BKGBLN.

1.4 TFSi: BLG BMYBWK CAVA,CAVB,CAVC,CAVD,CAVECAVF,CAXA CAXC,C-DGAC SMA.

1.6FSi BAGBLF BLP BTS.

Crankshaft Locking Kit- Ford Transit 2.2 TDCi

Art. TC1722



Used to lock and time the crankshaft and flywheel to allow the TDC sensor position to be set after removal when servicing the cam chain drive system.

Application(s):

Ford Transit 2.2 2006-Present.

Petrol Engine Timing Tool Kit - for VAG 1.2 3 - Cylinder (6V/12V)

Art. TC4182



For locking of both camshafts and crankshaft on VAG 1.2 L 3 cylinder 6V and 12V petrol engines.

Application:

Seat: Ibiza / Cordoba (2002-2015).

Skoda: Fabia, Fabia II, Roomster, Praktik, Superb III.

Volkswagen: Fox, Polo.

Petrol Engine Timing Tool Kit - Renault 1.4, 1.6, 1.8 & 2.0 16V

Art. TC1622



For timing belt replacement on the 1.4, 1.6, 1.8 and 2.0 engines fitted in Renault vehicles.

Application:

Renault: Avantime, Clio, Espace / Grand Espace, Kangoo / Trekka Laguna, Megane, Scenic / RX4, Trafic II, Twingo II, Vel Satis, Wind.

Nissan: Kubistar X76, Primastar.

Vauxhall / Opel: Vivaro (01-11).

Engine Timing Tool Set - Renault 1.4, 1.6 16V

Art. TC1623



Enables the correct engine timing to be performed on RENAULT K4J, K4M & F4P, F4R engines when changing the timing belt.

Application:

Renault: Chamade 1.9D, Clio, Espace, Express, Extra, Fuego D, Turbo, Kangoo, Laguna, Master, Megane, R5, R9, R11, R18, R19, R20.

Petrol Engine Setting Locking Kit - Belt Drive 1.4 / 1.6 / 1.8 / 2.0 16V, Dacia, Renault

Art. TC1624



Camshaft pulley setting tool holds two pulleys in place while changing the cam belt and correct engine timing to be performed when changing the timing belt.

Applicable: Renault 16V & K4J, K4M & F4P, F4R.

1.4 16V K4J.

1.6 16V K4M.

1.8 16V F4P & F4R (Langunall).

Petrol Engine Timing Tool Kit Ford, Mazda, Volvo 1.25 to 2.3

Art. TC1605



This camshaft setting bar is for all the applications including the latest HWDA and HWDB engines.

Application(s):

Ford: B - Max, C - Max, Cougar, Fiesta, Focus C - Max, Fusion, Galaxy, Maverick, Mondeo, Puma, S - Max, Tourneo Connect, Transit, Transit Connect.

Volvo: C30, S40, S80, V50.

Mazda: 121 ZQ, 2 DY, 3 BK, 3 BL, 5 CR, 5 CW, 6 GG / GY, 6 GH, MPV LW, MX - 5 NC, Tribute EP.

Diesel Engine Timing Tool Kit - for Alfa Romeo, Fiat, Ford, GM, Lancia, Suzuki

Art. TC1618



Suitable for timing the camshaft and crankshaft, on chain drive 1.3 diesel engines.

Application:

Vauxhall / Opel: Agila, Agila - B, Astra H, Astra - J, Combo - C, Corsa - C, Corsa - D, Meriva - A, Meriva - B, Tigra - B.

Fiat: 500, Doblo / Cargo, Fiorino, Grande Punto, Idea, Linea, Panda, Punto, Punto Evo, Qubo Alfa Romeo: MiTo (08-16).

Citroen: Nemo (10-16).

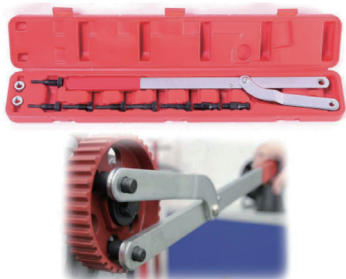
Lancia: Musa (04-13), Ypsilon (03-15).

Suzuki: Ignis, Splash, Swift, Wagon R+.

Peugeot: Bipper (10-16).

Universal Pulley & Fan Clutch Holder Set

Art. TC1620



Designed to remove and install fan clutch and rotate or restrain the camshaft pulley.
Adjustable jaw spread and interchangeable pins.

Engine Timing Tool Kit VAG, Audi; Seat; Skoda; VW, 1.8TFSI/1.8TSI/2.0TFSI/2.0TSI, Timing Chain

Art. TC4103B



2006_2013 VAG series TSI, TFSI EA888 engine (1.8L, 2.0L).
CEAA, CGMA, CCZA, CCZB, CCZC, CCZD, CCUA, CAEB, BYJ, BYE, CDAA, CDAB, CDNC, CDZA, CADA, CPSA.
VM number: T10352, T10352 / 1, T10352 / 2, T10368, T40196, T10354, T10060A, T40011, T40098, T40267, T40271.

Diesel Engine Timing Kit - VAG 1.2D, 1.4D, 1.9D, 2.0D Common Rail - Belt Drive

Art. TC1663



Timing Tool Set for VAG 2.0L TDi PD DOHC engines fitted to Audi A2 / A3 / A4 / A5 / A6, Skoda Octavia II, Seat Leon, Volkswagen Golf and more.
For VAG 1.4D, 1.9D, 2.0D TDi PD (Pumpe Duse) and 1.2D, 1.6D, 2.0D CR (Common Rail) engines with Mechanical Belt Tensioner.
Kit includes crankshaft locking tools (oval and round gears), plus camshaft and tensioner locking pins.

Diesel Engine Timing / Locking Kit VAG 1.2D, 1.4D, 1.9D TDi PD - Belt Drive

Art. TC1637



For VAG 1.2D, 1.4D & 1.9D TDi PD (Pumpe Duse) engines with Hydraulic Belt Tensioner.
Kit includes crankshaft locking tool (round gears), plus camshaft and tensioner locking pins.

Diesel Engine Timing Tool / Timing Chain / Pump Removal - Install Kit - Ford 1.8D

Art. TC1616



Essential tools for timing belt replacement on 1.8D TDi / TDCi chain drive diesel engines fitted to Ford vehicles.
Features injection / high pressure pump sprocket holder and timing chain cover alignment tools.
Application:
Ford: C-Max, Courier, Fiesta, Focus, Focus C-Max, Galaxy, Mondeo, S - Max, Tourneo Connect, Transit Connect.

Diesel Engine Timing Tool Kit Vauxhall Opel Engine 1.6 CDTi

Art. TC6506



To set and time the main engine components when replacing the camshaft drive chain.
Application:
Vauxhall / Opel: Astra-J / Meriva - B / Mokka / Zafira-C Toure 1.6 Cdi ecoFex CDTi(2013-2016).

Auxiliary Stretch Belt Removal Installation Tool

Art. TC2938



Designed for the removal and installation of elasticated or stretch drive belts fitted to modern auxiliary drive systems such as the alternator or power steering. Prevents damage to the pulley & prolongs the life of the belt. Two tools included, one for installation and one for removal.

Petrol Engine Belt Replacement & Chain in Head Service Kit - VAG 2.0 FSI & 2.0 TFSI

Art. TC1887



Suitable for belt tensioning the huge range of VAG 1.8 / 1.8T, 2.0 FSI / TFSI twin camshaft engines. These belt drive engines also have a chain in head connecting the two camshafts. Kit includes the tools necessary for servicing the chain in head and establishing correct valve / camshaft timing.

Petrol Engine Timing Tool Set - FORD FOCUS C - MAX

Art. TC1693



This five piece set is essential for replacing the Cam belt on FORD FOCUS C-MAX 1.6 Ti-VCT with engine code HXDA (2003-2007) plus 2.0 TDCi with engine codes G6DA, G6DB, G6DC 2003-2007.

Petrol Engine Setting / Locking Kit - Belt Drive Ford 1.6VCT - Ti

Art. TC1694



This tool is designed for replacing the Cam belt on Ford. Suitable for petrol Ford Focus / C - MAX 1.6 T - VCT with engine code HXDA (from 2003). Also suitable for diesel Ford Focus / C - MAX / Mondeo / S - MAX / 2.0 TDCi with engine code G6DA, G6DB, G6DC (from 2003). OEM#: 303-1097, 303-1054, 303-748, 303-1059, 303-735.

BMW N47/N57 Diesel Engine Setting Tool Set

Art. TC1753



Used for adjusting and checking the engine timing. It is required while dismantling and mounting the camshaft replacing the timing chain and cylinder head gasket. Kit features crankshaft turning tool to rotate engine to TDC position.

Engine Timing Tool Kit - BMW, 1.6 / 2.0 / 3.0 / N47 / N47S / N57, Timing Chain

Art. TC1754



For adjusting and checking the engine timing is required while dismantling and mounting the camshaft replacing the timing chain and cylinder head gasket suitable for BMW Diesel engines with engine code N47 - N47S - N57 - N57S, in following models 116d 118d 120d 123d, Type E81 E82 E87 E88 F20 - 316d 318d 320d 325d 330d, Type E90 E91 E92 E93 F30 520d 525d 530d 530d GT 535d 535d GT M550d, Type E60 E61 F07 F10 F11 640d, Type F12 - 730d 740d 750d, Type F01 - X1 1.8d 2.0d 2.3d, Type E84 X3 1.8d 2.0d 3.0d, 3.5d, Type E83 F25 - X5 3.0d 4.0d M5.0d, Type E70 - X6 3.0d 4.0d M5.0d, Type E71.

Diesel Engine Timing Tool Kit Renault / Nissan & Vauxhall / Opel 2.0 / 2.3 - Chain Drive

Art. TC8536



To prevent the engine shafts (camshaft, crankshaft) from turning belt tensioner when changing a timing belt or during other engine repairs.

Application:

Nissan: Primastar X83, Qashqai / Qashqai+2 J10, X-Trail T31.
Renault: Espace / Grand Espace IV, Koleos, Laguna II, Master III, Megane II, Scenic / Grand Scenic II, Rafic II,
Vauxhall / Opel: Movano-B, Vivaro.

Engine Timing Tool Set VAG 2.5D TDi V6

Art. TC4171A



Diesel engine setting / locking kit suitable for the VAG 2.5 TDi V6 diesel engines first introduced in 1997.

Application:

Audi: A4, A6, A6 Allroad, A8.

Skoda: Superb (2002-2008).

Volkswagen: Passat (1998-2005).

3pc Camshaft Timing Tool Set for VAG

Art. TC4115



Secure the camshaft during inspection and adjusting the valve 1.2 / 1.4 TSi / TFSi engines with active cylinder management ACT or COD.

Application(s):

Audi A1, A3, Q3, VW Passat, Golf, Polo Seat Leon, Ibiza
Skoda Superb.

Multi Position Timing Belt Tensioner Wrench for VAG

Art. TC1629



Makes it easy to adjust an access to tighten the tensioner nut.

Fits for petrol and diesel engines.

Diesel Engine Timing Tool Kit - Nissan Renault dCi, Vauxhall / Opel 1.5

Art. TC1647



Essential tools for timing belt replacement on a wide range of Renault, Nissan & Vauxhall / Opel diesel engines.

Application:

Renault: Avantime, Clio, Espace, Kangoo, Laguna, Master, Megane, Modus, Scenic, Trafic, Twingo.

Nissan: Almera N16, Interstar, Kubistar, Micra K12, Note, Primastar, Primera P12, Qashqai.

Vauxhall / Opel: Movano, Vivaro.

Petrol Engine Timing Tool Kit - Alfa Romeo, Fiat, GM, Saab, Chevrolet - 1.4, 1.6, 1.8 Twinport - Belt Drive

Art. TC1613C



Contains Camshaft setting tools and belt tensioner locking pins.

Suitable for timing applications on all 1.4, 1.6 and 1.8 Twinport petrol engines with belt drive.

Petrol Engine Timing Tool Set - BMW Mini, PSA 1.4 & 1.6

Art. TC8302



The setting and locking kit is for the timing 1.4 & 1.6 16V Valvetronic direct injection & chain drive petrol engines, fit in BMW Mini, Peugeot and Citroen vehicles.
Kit includes: flywheel locking Pin, exhaust camshaft setting tool, inlet camshaft setting plate, chain tensioner pre-load tool.

Engine Timing Tool Set VAG 2.7 & 3.0 V6 TDI

Art. TC8513



Designed for servicing Volkswagen / Audi 2.7 & 3.0 V6, common rail, chain driven diesel engines.
Includes special adaptors for turning and positioning the crankshaft, crank-shaft alignment pins with flats and side pins to assist in alignment of the crankshaft with the cylinder head.
Application: Audi A4, A6, A8, Volkswagen Phaeton, Touareg.

Diesel Engine Timing Tool Kit - GMI, Saab 1.9D CDTi / TiD / TTiD, 2.0D CDTi

Art. TC1646



Covers Vauxhall / Opel 1.9CDTi diesel engines, both single cam / 8 valve (Z19DT) and twin cam / 16 valve (Z19DTH).
Application:
Vauxhall / Opel: Astra - H, Signum, Vectra - C, Zafira - B.
Saab: 9-3 (04-08), 9-5 (05-08).

Petrol Engine Timing Tool Kit - Vauxhall / Opel, Suzuki 1.0, 1.2, 1.4

Art. TC1612



Designed to lock the cam and crank shafts in position to allow the removal and replacement of the timing chain.
Application:
Opel / Vauxhall: Agila, Astra - G, Classic II, Astra - H, Combo, Corsa - B, Corsa - C, Corsa - D, Meriva - A, Tigra - B.
Suzuki: Wagon R (05-08).

Petrol Engine Timing Tool Kit - Vauxhall / Opel, Chevrolet 1.0, 1.2, 1.4 & 1.6

Art. TC8073



Includes the necessary tools for setting and locking the camshafts and crankshaft and the pins for locking the timing chain tensioner.
Application:
Opel / Vauxhall: Agila, Agila - B, Adam, Adam Rocks, Ampera, Astra - J, Cascada, Corsa - D, Corsa - C, Corsa - E, GTC, Insignia, Meriva - B, Mokka, Mokka X, Zafira - C Tourer.
Chevrolet: Aveo, Cruze, Orlando, Trax, Volt.
Holden: Volt.
Cadillac: ELR.

Engine Timing Tool Set - VAG 1.6 & 2.0 TDI CR

Art. TC8511A



Comprehensive kit for removal and fitting of the camshaft drive belt on the popular 1.6 and 2.0 VAG TDi CR diesel engines found across the VAG ranges from 2012 onwards.
Application(s):
Audi, Seat, Skoda, Volkswagen.

Oil Filter Band Wrench



Art.	Min Size(mm)	Max Size(mm)
TC91107	60	105
TC91108	65	110
TC91109	110	155

Chain Oil Filter Wrench

Art. TC3024



Satin finished carbon steel body with 1/2" Sq drive for use with ratchet wrenches.
Capacity: < Ø135 mm.

3 Jaw Oil Filter Remover Wrench (Round Claw)

Art. TC6438



Claws grip filter tighter as more torque is applied to wrench.
Steel construction with 3/8" & 1/2"Sq drive, or 21 mm spanner.
Capacity: Ø65-110 mm.

Two Way Oil Filter Wrench

Art. TC6439



Removes all oil filter from 2-1/2" to 4" in diameter.
Fits 3/8" drive use with 1/2" square drive tools.
Capacity: 63 - 102 mm.

3/8" Oil Cap wrench

Art. TC6440



Ø64.5 mm x 14.
For Toyota / Lexus.

3/8" Oil Filter Cap Wrench

Art. TC6442



Ø76 mm - 14F.
For BMW, Champion, Mercedes, Porsche, VAG.

10 L Portable Oil Drain Pan & Can

Art. TC3693



Storage & evacuation oil drain pan. Ensures safe transportation and storage without spillage.

15 L Plastic Oil Basin

Art. TC3696



Size: 580 x 445 x 170 mm
Includes easy grip, large carrying handles and integral spout for pouring waste oil or fluids into a recycling container.

Oil Bayonet

Art. TC3697



Designed to measure the engine oil levels on Audi vehicles fitted with electronic oil level system. Can also be used to calibrate the driver's instrument panel. Will also check the engine oil level on Audi A4 / A5 3.2 6 - cylinder engines. Length :600 mm

Multi-Purpose Oil Transfer Syringe 200 cc

Art. TC3698



Design for removing oil from gearboxes and engines and for use with brake fluid / antifreeze. Quick disconnect tube. 200 cc; hose length: 185 mm.

64pc Oil Drain Repair Kit

Art. TC1024



Comprehensive set for the repair of oil drain plug threads. Includes:
4pcs taps : M13 x 1.5, M15 x 1.5, M17 x 1.5, M20 x 1.5.
20 x Oil drain plugs / sump plugs.
40pc aluminum washers:
10pc x 13 mm, 15 mm, 17 mm, 20 mm.

Oil Drain Plug Thread Repair Set



Art.	Spec.
TC1025B	M13 x 1.5
TC1025C	M15 x 1.5
TC1025D	M17 x 1.5

Ideal for repairing sump, gearbox and differential drain plug threads. Used to tap the damaged thread slightly oversize, then fit a new drain plug and washer. M15 x 1.5.

Engine Oil / Transmission Fluid Pressure Tester Gauge

Art. TC1107



Engine Oil or Transmission Fluid Pressure Tester Gauge, suitable for most vehicles.
Includes 400 PSI Rated 42" long rubber hoses with brass fittings. (Gauge reads to 400 PSI, 28 kg/cm²).
Kit come complete with adapters for most engine and transmission applications.

12pc Engine Oil Pressure Test Kit

Art. TC0111



Tests oil pump pressure and also low oil warning devices. Fitted with quick coupling adaptors and 1200mm of hose. Includes 90 degree coupling adaptor for limited access applications.
Gauge fitted with heavy-duty cover.
0-140 PSI (0-10 Bar).

8pc Petrol Engine Compression Test Kit

Art. TC1106



Compression tester fitted with Ø63 mm gauge reading up to 300 psi (20 kg/cm²).
Kit includes 130 mm straight and angled push-on connectors, 400 mm flexible extension with 10, 12, 14 and 18 mm adaptors.

9pc Cap Oil Filter Wrench Set

Art. TC3023



Quickly & easily change oil filter without damaging the housing.
For both new and original type of oil filter housings. Manufactured from a mixture of aluminum and steel for strength and durability.
Includes:
1pc x 3/8Dr, Aluminum cap 64.5 mm - 14F, 64.5 mm - 14F, 88.8 mm - 5F, 74.2 mm - 14F, 86.6 mm - 16F.
1pc x 3/8"Dr 63 - 83 mm wrench.
1pc x 3/8"Dr 27 mm - 6F, 32 mm - 6Fs, 36 mm - 6F S45C / Nickel-plating.

15pc Cup type Oil filter wrench set

Art. TC3025



Contents: 65 mm-14F, 65 / 67 mm - 14F, 68 mm - 14F, 73 mm - 14F, 74 / 76mm - 15F, 75 / 77 mm-15F, 76 mm - 14F, 76 mm - 30F, 80 mm - 15F80/82 mm -15F, 90 mm - 15F, 93 mm - 15F, 93 mm - 36F, 100 mm - 15F.
Adaptor 1/2 (F) N 3/8 (M) Square drive Tool.
Material: Carbon Steel.
Use with 3/8" de.ratchet.
Thickness: 1.2 mm.

30pc Oil Filter Cup Type Wrench Set

Art. TC3026



Cap type filter wrenches, made from 7 and 16 gauge steel, will withstand up to 115 Nm (85 lb.ft) of torque.
Includes adjustable oil filter wrench Ø65-120 mm.

1/2"Sq Drive Angular Torque Gauge

Art. TC2578



Designed to be used with any 1/2"Sq drive breaker bar. Tough composite dial and rotating index line allow operator to accurately tighten fixing to manufacturer's exact specification.

Fuel Retriever 1.5 L

Art. TC3694



Designed for both petrol and diesel vehicles, to retrieve excess fuel from fuel lines before maintenance. Also ideal for the transfer of oils / fluids to & from vehicle components such as gearboxes and differentials. Eliminates the risk of fuel spills & damage to pipes if clamped.

With quick release connectors, commonly found on PSA & Vauxhall / Opel vehicles, plus two universal connectors for older vehicles.

Diesel Engine - Injector Pump Remover & Sprocket Retainer - Chain Drive

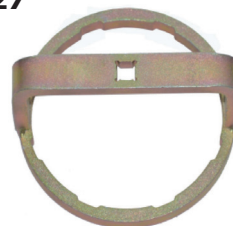
Art. TC3695



Removes diesel injector pump and retains the pump sprocket in place so that sprockets-timing chain configuration remains undisturbed minimizing the level of engine disassembly.
Engine codes: BMW M47 / M57.

Fuel Filter Wrench - Peugeot Citroen Renault

Art. TC6427



For removing and refitting the fuel filter cap when replacing the fuel cartridge.
3/8"Sq, 109 mm / 8 Flute Citroen, Renault and Peugeot engines.

Fuel Feed Pipe Plier

Art. TC4129



Suitable for releasing connections on fuel pipes during maintenance or when replacing fuel filters. Designed to compress the quick connect lugs for easy removal without damaging the connector.
Applications: Audi, Ford, Mercedes(M-Class) Vauxhall / Opel.VW.

Hose Clamp Pliers Set

Art. TC4130



For easy removal and installation of ring type hose clamps Swivel type jaws grip at angle to allow access in confined areas. Fingertip position lock makes it easy to lower radiator hoses.
Includes:
1pc slot jaw hose clamp pliers.
1pc cross slot jaw hose clamp pliers.

Valve Stem Seal Pliers

Art. TC4131



For easy removing of deep valve stem seals on multi valve engines.
Length 250 mm.
For VW, OPEL, FORD & other cars.

Battery Wire Cleaning Brush

Art. TC4132



It's pole and klem cleaning brush effectively removes corrosion and raids on battery pins and cable terminals. The instrument is 90 mm long, the cleaning tip is embedded in a solid, handy aluminum housing and has been covered with a cap.
By systematically ensuring good condition of the terminals, the efficiency of the electrical connection is improved and the energy losses associated with additional resistance introduced by contaminants are reduced. Battery life is also extended and sensitive car electronics are more protective.
Remember to keep the battery clean – dirt, corrosion or moisture significantly shortens its life span and leads to accelerated discharge.

Standard Oil Suction Gun

Art. TC4133



Capacity: 500 C.C.
Barrel with Chrome plated.
Accessory: 300 mm plastic hose.

Heavy - Duty Pistol Grease Gun

Art. TC4134



Working Pressure: up to 3,600 psi.
Burst Pressure: 8,000 psi.
Delivers Minimum: 1 oz. / 40 strokes.
Loading way: 14 oz. Carriage / 500 C.C. Bulk / Dispenser.
Capacity: 14 oz. / 400 C.C.
W/Air vent valve & Filler plug.
W/two black grips.
Barrel with Chrome plated.
Metallic Straight Spout.

Funnel 170 x 95 x 155 mm

Art. TC4135



Conical design fits most engine openings.
Made of durable polypropylene material.
Rectangular hole (170 x 95 x 155 mm)
to accommodate container ends.

Funnel Set

Art. TC4136



Set of 3 Funnels.
Large diameter: $\Phi 75$ mm, $\Phi 100$ mm, $\Phi 150$ mm.
Smaller diameter: $\Phi 13$ mm, $\Phi 16$ mm, $\Phi 16$ mm.

2pc Valve Grinder Set (Wood Handle)

Art. TC4023A



Suitable for grinding most engine valves.
Features four sizes of rubber suction cup.
Suction Cup Sizes: 15, 20, 28, 34 mm.

Oxygen Sensor Wrench with Flexi - Handle 22 mm

Art. TC2572



Removes & installs oxygen sensors.
Flexibly mounted handle with offset grip for maximum access.
Cut-out section allows socket to pass over wiring.

7pc 3/8" & 1/2" Sq Drive Oxygen Sensor Socket Set

Art. TC2570



Removes and Installs : Oxygen (O2) Sensors, Oil Pressure Switches, Oil Pressure Sending Units, Thermal Sensor Switches.
Includes:
1", 1-1/6", 1-3/16" Oil Pressure, Sending Unit Socket, 1-1/16" GM Thermal Switch Socket, 7/8" Short low Profile O2 Oxygen Sensor Socket, 7/8" Universal Oxygen Sensor Socket, 7/8" Universal Vacuum Switch PVS, TVS Socket Tool.

Diesel Injector Copper Washer Removal Tool

Art. TC1065



Remove and install the copper washers on diesel injectors quickly and effectively with this special tool.
230 mm long, inner hole 7 mm, is designed to install copper washers on deep seated injectors.

Diesel Injector Line Socket Set

Art. TC6441



1/2" Dr for dismantling injector lines on most diesel engines.
Sizes: 12, 14, 16, 17, 18, 19 mm.
Suitable for use on most BMW and Audi Vehicles.
Contents: Slide Hammer, 1/2" Sq Drive Sockets: 25, 27, 29, 30 mm, Tamper - Proof Key, Adaptor (x 5) (Bosch, Delphi, Denso, Siemens) Ball Joint.

Diesel Injector Seat Cutter Set

Art. TC1082



Contents:
15 x 19 mm flat reamer for universal injector.
17 x 17 mm flat reamer for Delphi / Bosch injectors (BMW / PSA / Renault / Ford).
17 x 19 mm flat reamer for Bosch injectors (Mercedes CRD).
17 x 21 mm angled reamer for Fiat / Iveco.
T-handle & Pilot post.
Used to clean / decarbonise injector seats when changing injectors.
Helps to avoid blow-back due to poorly seated injectors.
Suitable for a wide range of vehicles.

Thread Repair Kit



1pc Installation Tool (Material : 45C)
1pc Break Pin Tool (Material : 45C)
1pc HSS Twist Drill (Material : HSS4241)
1pc Tap (Material : Gcr15)
1pc Hex Key 2mm

Art.	Details
TCT2506100S	20pc 1d / 1.5d / 2d
TCT2508125S	20pc 1d / 1.5d / 2d
TCT1509125S	10pc 1d / 1.5d / 2d
TCT1510150S	10pc 1d / 1.5d / 2d
TCT1512175S	10pc 1d / 1.5d / 2d
TCT2004070S	15pc 3.5 / 5 / 7mm (5pc of each)
TCT2005080S	15pc 3.5 / 5 / 7mm (5pc of each)
TCT2006100S	15pc 4 / 6 / 9mm (5pc of each)
TCT2008125S	15pc 6 / 9 / 12mm (5pc of each)
TCT1509125S-2	10pc 7(3pc) / 14(3pc) / 11mm (4pc)
TCT1510150S-2	10pc 7.5(3pc) / 15 (3pc) / 11mm (4pc)
TCT1312175S	8pc 9 (2pcs) / 18(2pcs) / 14mm (4pc)
TCT1014125S	5pc 10(1pc) / 21(1pc) / 16mm (3pc)
TCT1414150S	5pc 10(1pc) / 21(1pc) / 16mm (3pc)

Threading Tool



Art.	Details
TCT1506100	15pc 1d / 1.5d / 2d
TCT1508125	15pc 1d / 1.5d / 2d
TCT1009125	10pc 1d / 1.5d / 2d
TCT1010150	10pc 1d / 1.5d / 2d
TCT0812175	8pc 1d / 1.5d / 2d
TCT1504070	15pc 3.5 / 5 / 7mm (5pc of each)
TCT1505080	15pc 3.5 / 5 / 7mm (5pc of each)
TCT1506100-2	15pc 4 / 6 / 9mm (5pc of each)
TCT1508125-2	15pc 6 / 9 / 12mm (5pc of each)
TCT1009125-2	10pc 7(3pc) / 14(3pc) / 11mm (4pc)
TCT1010150-2	10pc 7.5(3pc) / 15 (3pc) / 11mm (4pc)
TCT0812175-2	8pc 9 (2pc) / 18(2pc) / 14mm (4pc)
TCT0514125	5pc 10(1pc) / 21(1pc) / 16mm (3pc)
TCT0514150	5pc 10(1pc) / 21(1pc) / 16mm (3pc)
TCT1509125	15pc 7 / 14 / 11mm (each of 5pc)
TCT1510150	15pc 7.5 / 15 / 11mm (each of 5pc)
TCT1512175	15pc 9 / 18 / 14mm (each of 5pc)
TCT1514125	15pc 10 / 21 / 16mm (each of 5pc)
TCT1514150	15pc 10 / 21 / 16mm (each of 5pc)

131pc Metric Thread Repair Kit

Art. TCT0131S



5pcs Installation Tools (Material : 45C)
5pcs Break Pin Tools (Material : 45C)
5pcs Twist Drills (Material : HSS4241)
5pcs Taps (Material : Gcr15)
1pc Hex Key
110pc Wire Thread Inserts.
Size:
M5 X 0.8 X 6.7mm 25pc
M6 X 1.0 X 8.0mm 25pc
M8 X 1.25 X 10.8mm 25pc
M10 X 1.5 X 13.5mm 25pc
M12 X 1.75 X 16.3mm 10pc

110pc Metric Professional Set of Taps and Dies

Art. TCT0110



Nominal size	Pitch	Drill-Ø	Nominal size	Pitch	Drill-Ø
M2	0.4	1.6 mm	M11	0.75	10.3 mm
M3	0.5	2.5 mm	M11	1	10.0 mm
M4	0.7	3.3 mm	M11	1.25	9.8 mm
M5	0.8	4.2 mm	M11	1.5	9.5 mm
M6	0.75	5.3 mm	M12	0.75	11.3 mm
M6	1	5.0 mm	M12	1	11.0 mm
M7	0.75	6.3 mm	M12	1.25	10.8 mm
M7	1	6.0 mm	M12	1.5	10.5 mm
M8	0.75	7.3 mm	M12	1.75	10.3 mm
M8	1	7.0 mm	M14	1	13.0 mm
M8	1.25	6.8 mm	M14	1.25	12.8 mm
M9	0.75	8.3 mm	M14	1.5	12.5 mm
M9	1	8.0 mm	M14	2	12.0 mm
M9	1.25	7.8 mm	M16	1	15.0 mm
M10	0.75	9.3 mm	M16	1.5	14.5 mm
M10	1	9.0 mm	M16	2	14.0 mm
M10	1.25	8.8 mm	M18	1.5	16.5 mm
M10	1.5	8.5 mm			

40pc Taps and Die Set

Art. TCT0040



17 M3x0.5 - M3x0.6 - M4x0.7 - M5x0.8 M5x0.9 - M6x1.0 - M7x1.0 - M8x1.25 - M9x1.0 M9x1.25 - M10x1.25 - M10x1.5 - M11x1.5 M12x1.5 - M12x1.75 - BSP 1/8 - 28	1pc Hex wrench 1pc Handle 1pc T-type tap wrench 1pc Hex die handle(No ratchet) 1pc Screwdriver 1pc Screw pitch gauge
17 M3x0.5 - M3x0.6 - M4x0.7 - M4x0.75 - M5x0.8 M5x0.9 - M6x1.0 - M7x1.0 - M8x1.25 - M9x1.0 M9x1.25 - M10x1.25 - M10x1.5 - M11x1.5 M12x1.5 - M12x1.75 - BSP 1/8 - 28	

45pc Taps and Die Set

Art. TCT0045



20 M6 x 1.0 - M6 x 0.75 - M8 x 1.25 - M8 x 1.0 M10 x 1.5 - M10 x 1.25 - M12 x 1.75 - M12 x 1.5 M14 x 2.0 - M14 x 1.5 - M16 x 2.0 - M16 x 1.5 M18 x 2.5 - M18 x 1.5 - M20 x 2.5 - M20 x 1.5 M22 x 2.5 - M22 x 1.5 - M24 x 3.0 - M24 x 1.5	1 38 mm Ø / D 1 M3 - M6 1 6 mm 1 50 mm Ø / D 1 M6 - M25
20 M6 x 1.0 - M6 x 0.75 - M8 x 1.25 - M8 x 1.0 M10 x 1.5 - M10 x 1.25 - M12 x 1.75 - M12 x 1.5 M14 x 2.0 - M14 x 1.5 - M16 x 2.0 - M16 x 1.5 M18 x 2.5 - M18 x 1.5 - M20 x 2.5 - M20 x 1.5 M22 x 2.5 - M22 x 1.5 - M24 x 3.0 - M24 x 1.5	

Diesel Injector Flow Test Kit Common Rail

Art. TC0135



Designed to measure return fuel flow on diesel vehicles up to 6 cylinders fitted with common rail injection system. Identifies worn, blocked or in-operative injectors quickly & easily.

With measurement tubes & bottles.

24pc injector adaptors :

apply for BOSH, SIEMENS, DENSO and DELPHI injector.

5pc Trim & Upholstery Tool Set

Art. TC1005



Manufactured from resilient nylon to minimise panel damage and marking.
Ideal for simplify trim and trim stud removal.

6pc Mini Panel Removal Set

Art. TC1006



Manufactured from resilient nylon to minimise panel damage and marking.
Ideal for removal of dash trim and internal fittings.

Windshield Removal Tool

Art. TC0793



Aluminium handle with heavy - duty steel cable.
Specially shaped blade is suitable for cutting through bonding resin used to fix modern windshields.

7pc Windscreen Removal Tool Kit

Art. TC5427



Reinforced composite handles with Complete tool kit for the removal of bonded and rubbered screens.
Kit include Cutting Wire, Wire Handles (x 2), Screen Removal Tool, Starter Tool, Trim Clip Remover, Trim Pad Remover.

Wiper Arm & Battery Terminal Puller

Art. TC4197



This dual-purpose puller easily removes stuck and seized battery terminals and windscreen wiper arms.
Also suitable for battery terminal and alternator bearing removal.
Maximum Opening: 28 mm.
Maximum Collar Size: 43 mm.

Windscreen Removal Tool Blade

Art. TC4198



Hardened, then polished blade allows fast separation of glass, can be sharpened again.

Fuel Tank Sender Spanner



For removing and refitting fuel tank sender mounting rings.
Use with a 24 mm spanner or socket.
Suitable for many modern makes and models.

Art.	Spec.
TC6422	2 Jaw with 70-165 mm
TC6423	3 Jaw with 110-165 mm

21pc Fuel & Air Conditioning Disconnection Tool Kit

Art. TC9041



Comprehensive kit for separating automotive air conditioning hoses and fuel lines.
Suitable for a wide variety of vehicles including amongst others Ford and Vauxhall / Opel.

9pc Air Conditioning / Fuel Line Disconnect Tool Set

Art. TC9042



Designed for A/C lines, fuel lines and transmission cooler lines.
Contains 3/8", 1/2", 5/8", and 3/4" spring lock disconnect tool for A/C lines on 1981 thru 2003 Ford cars and trucks, 1994 thru 2003 Chrysler and Jeep vehicles.
3/8" and 1/2" fuel line disconnect tool for Ford vehicles.
5/16" and 3/8" fuel line disconnect tools for GM and Chrysler vehicles.
Transmission oil cooler line disconnect tool used on many GM and Ford.

4pc A/C Spring Lock Coupling Disconnect Tool Set

Art. TC9043



Quick and easy disconnect of air conditioning and fuel line couplings.
Size: 3/8", 1/2", 5/8", 3/4".
Suitable for most Chrysler, Ford and Vauxhall / Opel vehicles.

Air Conditioning Service Connector - LP & HP

Art. TC9551



Colour: Blue
Inch size: 1/4"
Refrigerant: R134a
Application : LP
Quick coupler to the air conditioning station.

Colour: Red
Inch size: 1/4"
Refrigerant: R134a
Application: HP

Air Conditioning Repair Parts Kits

Art. TCI0001



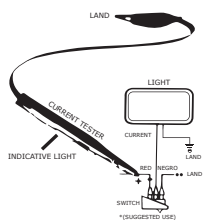
The contents of the set 51pc:
20pc – standard valves.
10pc – GM valves with larger diameter.
10pc – R134a Jra low/high.
5pc – R134a M10.
5pc – R134a M8.
1pc – R12 / R134a valve wrench.

6-12 V Tester

Art. TCI0002



INSTRUCTIONS FOR USE:



- A. Connect the clip to chassis or to any ground.
- B. TO FIND LIVE WIRES
Probe wire & if it is live, the light in the handle will glow.
- C. TO FIND BROKEN WIRES
Probe along wire until the tester does not light. This will tell you the point at which wire is broken.
- D. TO TEST FUSES
Touch the tip of the tester to terminal after fuse. If tester glows, then fuse is good.
- E. TO TEST LIGHT SOCKETS (BRAKE LIGHTS, BACK-UP LIGHTS, ETC.)
Touch alligator clip to chassis or ground and then probe to the tongue at the base of the shell.

6-24 V Tester

Art. TCI0003



- A. Connect the clip to chassis or to any ground.
- B. TO FIND LIVE WIRES
Probe wire & if it is live, the light in the handle will glow.
- C. TO FIND BROKEN WIRES
Probe along wire until the tester does not light. This will tell you the point at which wire is broken.
- D. TO TEST FUSES
Touch the tip of the tester to terminal after fuse. If tester glows, then fuse is good.
- E. TO TEST LIGHT SOCKETS (BRAKE LIGHTS, BACK-UP LIGHTS, ETC.)
Touch alligator clip to chassis or ground and then probe to the tongue at the base of the shell.

Autolink Cylinder Stethoscope

Art. TCI0004



Quickly locates engine noise sources such as piston impact, worn gears and bearings, damaged valves, water pump failure and blown gaskets, and even dashboard creaking. Plastic headphones and 300mm probe with sound amplifying chamber.

In - line Ignition Spark Tester

Art. TCI0005



- To Use:
1. With engine off, remove spark plug wire.
 2. Attach black connector to spark plug.
 3. Insert metal end of tester into spark plug wire.
 4. Try to start the engine.
 5. If ignition circuit is complete, bulb will flash.

Coolant Tester

Art. TCI0006



Immediately shows the battery charge level. Accurate charge detection. For acid battery 6V, 12V and 24V.

Battery Tester

Art. TCI0007



Electrolyte density tester (hydrometer).

Anti Freeze Tester

Art. TCI0008



The Simply Antifreeze Tester has an easy to read indicator and is designed for modern Ethylene Glycol antifreeze. It tests hot & cold temperatures and reads in Celsius & Fahrenheit. It has a number of floating discs which indicates the level and strength of coolant. A solution of more than 70% antifreeze will give less protection, the bulb is black and has 6 discs for measuring the anti-freeze.

Tests at hot & cold temperatures.

Pure antifreeze will freeze at - 6° F.

Reads in Celsius & Fahrenheit.

Has a number of floating discs which indicates the level & strength of coolant & a floating.

Easy to read indicator and designed for the popular modern Ethylene Glycol antifreeze.

OBD 16pin Extension Cable

Art. TCI0009



Device to support the voltage of the "memory" when replacing the 12V battery. Connection to EOBD connector, cable length 1.35 m.

Battery Tester

Art. TCI0010



Ideal for cars, Vans, RVs and farm vehicles.

Suitable for 6V - 12V lead acid batteries.

Compact and portable, ideal for garages and fleet users.

Strong yet lightweight steel construction with integrated handle and clamp holders.

Heavy duty insulated clamps.

Easy and safe to use, no sparking.

Large LED display gives battery voltage.

3 LED display indicates if battery:

Bad, Weak or Good.

Multimeter

Art. TCI0011



DCV: 1000 V.

ACV: 750 V.

DCA: 10 A.

ACA: 10 A.

Resistance: 20 MΩ.

Capacitance: 200 μF.

Frequency: 2 KHz.

Temperature: -20°C ~ 1000°C
(-4°F ~ 1832°F).

Continuity : ✓

Diode test: ✓

Data hold: ✓

Backlight: ✓

Auto power off: ✓

Infrared Thermometer

Art. TCI0012



Measuring range:

-50 - 550 °C (-58 - 1022 °F).

Accuracy: ±1.5°C / ±1.5%.

Resolution: 0.1°C or 0.1°F.

Distance spot ratio: 12:1.

Emissivity: 0.10 ~ 1.00 Adjustable (0.95 Preset) °C / °F unit selectable.

Auto power off & Data hold.

Laser ON/OFF selectable.

Backlight ON / OFF selectable.

Power: 3 V (1.5 VAAA battery x 2).

Digital Thermometer

Art. TCI0013



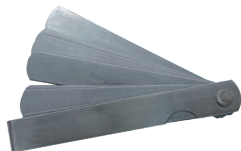
This thermometer is a high precision electronic thermometer with a stainless probe.

It features Celsius / Fahrenheit measurement, maximum / minimum memory and data hold.

It can be used in industry, laboratory, food temperature test and monitoring, as well as in cooking (such as to check out the temperature of boiled food, infant milk and so on).

32 Blade Feeler Gauge

Art. TCI0014



Number of blades: 32pc.

Scope: 0.038 - 0.889 mm.

A universal gauge to determine the size of gaps or clearances between adjacent surfaces.

Equipped with metric and inch measures, with 32 blades to measure slots in the range of 0.0015" - 0.035" or 0.038 - 0.889 mm.

12 Blade Offset Feeler Gauge

Art. TCI0015



Number of blades: 12pc.

Scope: 0.203 - 0.660 mm.

Sizes: 0.008" to 0.026" (0.203 to 0.660 mm).

Double markings, inch and metric.

Strip dimensions 95 x 13 mm (offset 45° - 25 mm).

52 Blade Thread Gauge

Art. TCI0016



Number of blades: 52pc.

Whitworth 55°.

Scope: 4G - 62G.

Metrisch 60°.

Scope: 0.25 - 6.0.

13 Blade Feeler Gauge

Art. TCI0017



Number of blades: 13pc.

Scope: 0.050 - 1 mm.

Universal slot meter with 13 blades to measure gaps in the range of 0.050 - 1 mm.

Quickly determine the amount of gaps or clearances between adjacent faces.

Digital Caliper

Art. TCI0018



Scope: 0 - 150 mm

Resolution: 0.01 mm / 0.0005 in.

Accuracy: 0.03 mm / 0.001 in.

Max measuring speed: 1.5 m / sec, 60 in / sec.

Measuring system: Linear capacitive measuring system.

Display: LCD display.

Power: One silver oxide battery 1.55 V ,type LR44.
capacity: 180 mAh.

Digital Tread Depth Gauge

Art. TCI0019



Range: 0 - 25.4 mm.

Resolution: 0.01 mm.

Working temp.: 0 - 40 °C.

Battery: CR2032 3 V.

Keep the gauge clear.

No water oil on bar.

Remove battery when not used for long periods.

Display flashes when battery power is low.

Accidental display failure: take out battery for 30 seconds.

Universal Fluid Tester

Art. TCI0020



Use: coolant
Use: electrolyte
Use: washer fluid

Clock Sensor

Art. TCI0021



Width: 55 mm
Scope: 10 mm

Mini Double Ended Scriber

Art. TC2514



Double-ended, hardened steel for marking or scoring metal, laminates, plastics and other materials.

High Power UV LED Work Light

Art. TCI0022



Specifications:
Light Source: 390 ~ 405 nm UV LED.
Power Source: 3.7 V 750 mAh Li-ion.
Maximum Size: 16.7 x 13.8 x 152 mm.
Weight: 30 g.
Material: aluminum.
Switch: On / Off.
IP66.

High Power UV LED Work Light

Art. TCI0023



Specifications:
Light Source: 395 nm UV LED.
Power Source: ICR18650 Battery.
Maximum Size: $\Phi 35$ mm x 148 mm.
Weight: 128 grams (net).
Material: Aluminium Alloy 6063-T6.
Switch: Tailcap -On / Off.
IPX7.

High Power UV LED Work Light

Art. TCI0024



Specifications:
Light Source: 390 ~ 405 nm UV LED.
Power Source: 3.7 V 2600 mAh Li-ion.
Maximum Size: 56 x 34 x 190 mm.
Weight: 300 g.
Material: High impact ABS housing, Nylon Hook, Replaceable Lens.
Switch: On / Off.
IP65.

Tin / Lead - free Soldering Wire Dispenser Tube

Art. TCE001



Use: For soldering.
Lead - free soldering wire in the tube.
Unleaded wire pipe with flux core for general soldering.
Weight: 10 g.

100pc Mini Fuse Set

Art. TCE002



Content (approximate quantity): 2A, 3A, 4A, 5A, 7.5 A, 10 A, 15 A, 20 A, 25 A, 30 A (10 pieces each).
Supplied in a squared box.

120pc Standard Fuse Set

Art. TCE003



Content (approximate quantity): 3A, 5A, 7.5A, 15A, 20A, 30A (15 each), 10A (x 30).
Supplied in a box with partitions.

36pc Maxi Fuse Set

Art. TCE004



Content: 20A, 30A, 40A, 50A x 6pc,
60A, 70A, 80A, 100A x 3pc.
Box with partitions.

Black PVC Insulating Tape

Art. TCE005



Size: 19 mm x 20 m.
Thickness: 0.15 mm.
Elongation: 125%.
Tensile Strength: 22 N / 100 mm.
Temperature Rating: -18°C to 150°C.
Self extinguishing.

PVC Insulating Tape

Art. TCE006



Size: 19 mm x 20 m.
Thickness: 0.15 mm.
Elongation: 125%.
Tensile Strength: 22 N / 100 mm.
Temperature Rating: -18 °C - 150 °C.
Self extinguishing.
Colour: Black, Blue, Red, White, Yellow.

13pc Alternator Freewheel Removal Set

Art. TC8720



Design for easy removal of over running alternator pulley either on or off the vehicle.
Interchangeable components to work on VW, Audi, Seat, Mercedes, Renault, BMW, For Renault, Fiat, etc.

Flat Band Hose Clamp Plier

Art. TC4086



Removes and installs new style flat band hose camps.

Flexible Hose Clamp Pliers

Art. TC4196



Long and flexible shaft for extra reach, removal and locking of clamps into open position.
For plastic and metal self tightening hose clamps with diameters of 10-100 mm.

Master Snap Ring Plier with 90° Bent Long Nose

Art. TC5631



For removing and installing the snap rings on hydraulic master cylinders on motorcycles.
90° internal bent nose circlip pliers.
Spring loaded action for ease of use.

Circlip pliers

Art. TCG0001



Jaw spacing: 19 mm.
Jaw spacing: 60 mm.
Use: for Seger settling rings.
A set of spring pliers made of hardened and tempered steel.
Internal and external, simple and curved.
The pliers are fully polished and equipped with non-slip handles.
Range: 19-60 mm.

4pc Mini Pick & Hook Set

Art. TC2505



For removal of bushings, cotter pins, O - rings & seals.
Each of full hook, 45 - degree, 90 - degree, straight Pick.

9pc Scraper, Hook & Pick Set

Art. TC2507



Including 4 short picks, 4 long picks and 1 gasket scraper for pin.
Clip picking, hose removal and gasket scraping.

225pc O - Ring Assortment

Art. TCG0002



Contains 18 popular sizes

Size	Qty.	Size	Qty.	Size	Qty.
3x1	20pc	6x3	20pc	13x1	5pc
4x1	20pc	7x2	20pc	14x2.5	5pc
4.5x2	20pc	8x2	20pc	17x2.5	5pc
5x2	20pc	9x2	5pc	18x4	5pc
6x2	20pc	10x2	5pc	20x2	5pc
6x2.5	20pc	12x3	5pc	22x2	5pc

Convenient re-sealable plastic case.

270pc Green O - Ring Assortment

Art. TCG0003



Contains 18 popular sizes:

Size	Qty.	Size	Qty.
7/32"x1/16"or(5.29X1.78)	20PC	11X2	15PC
1/4"x1/16"or(6.07X1.78)	20PC	12X2	15PC
6.8X1.9	20PC	13.9X1.8	10PC
5/16"x1/16"or(7.68x1.78)	20PC	9/16"x3/32"or(13.95x2.62)	10PC
7.8X1.9	20PC	14X2	10PC
8X2	20PC	15X2	10PC
8.8X1.9	20PC	17X2	10PC
7/16"x1/16"or(10.82x1.78)	15PC	11/16"x1/16"or(17.17X1.78)	10PC
7/16"x3/32"or(10.77x2.62)	15PC	11/16"x1/8"or(17.04x3.53)	10PC

Convenient re-sealable plastic case.

Wrench for Unscrewing Valve Cartridges (Valve Core Tool)

Art. TCG0004



Air conditioning equipment and tools.
Double ended for easy replacement of standard and GM large bore valve cores.

Cleaning / Cutting Tool

Art. TCG0005



To remove corrosion, place positive cutter over positive battery post. Rotate 3 or 4 times.
Using negative cutter, repeat procedure for negative post.
For battery terminal surface, fit reamer into terminal.

Adapter 1/4" 6 pans x 1/4" pans

Art. TCG0006



1/4"x 1/4 65 mm Adapter.
3/8"x 1/4" 65 mm Adapter.
1/2"x 1/4" x 72 mm Adaptor.
Material: 6150.

1/2" Impact Sockets, 3pc in BMC

Art. TCG0007



6 - PT, metric size: 17, 19, 21mm.
Thin - walled sleeve.

Impact Socket

Art. TCG0008



Impact Socke for Break Caliper Screws

Art. TCG0009



Material: CR - Mo.
Metric size: 14 mm.
Profile: 7 - angle.

6pc Impact Socket Adaptors Set

Art. TCG0010



Impact socket adaptors:
1/4" F x 3/8" M.
3/8" F x 1/4" M.
3/8" F x 1/2" M.
1/2" F x 3/8" M.
1/2" F x 3/4" M.
3/4" F x 1/2" M.
Matt black, specifically coated.

8pc Impact Socket Adaptors Set

Art. TCG0011



Impact socket adaptors:
1/4" F x 3/8" M.
3/8" F x 1/4" M.
3/8" F x 1/2" M.
1/2" F x 3/8" M.
1/2" F x 3/4" M.
3/4" F x 1/2" M.
1" F x 3/4" M.
3/4" F x 1" M.
Matt black, specifically coated.

14 mm Spark Plug Socket

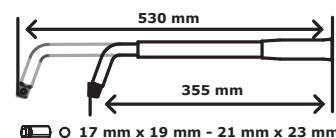
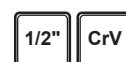
Art. TCG0012



Socket / drive: 3/8 inch.
Metric size: 14 mm.
for the Brand: Peugeot, BMW, Mini, Citroen.
Destiny: for spark plugs.
Suitable for working with tightly attached spark plugs.

Extendable Wheel Wrench

Art. TCG0013



1/2" Swivel Handle, 625 mmL

Art. TCG0014



Knob 1/2", length: 625 mm, for caps
 Socket / drive (mm): 12.5 mm.
 Socket / drive: 1/2 inch.
 Length: 625 mm.
 Hardened and tempered chrome vanadium steel with high chromium.
 Long, narrow handle.
 Fully replaceable pin connection.

Socket Reel

Art. TCG0015



Square: 1/2".
 Length: 420 mm.
 Material: Stainless.

Cross - Wheel Wrench, 355 mmL

Art. TCG0016



Metric size: 17 mm.
 Metric size: 19 mm.
 Metric size: 21 mm.
 Metric size: 22 mm.

Cross - Wheel Wrench, 355 mmL

Art. TCG0017



Metric size: 17 mm.
 Metric size: 19 mm.
 Metric size: 21 mm.
 Shanming size in inches: 1/2 inch.

42pc Automotive 10 mm Bit Set

Art. TCG0018



20 x 30 mm & 75 mm Each Size.
 Torx: T20, T25, T30, T40, T45, T50, T55, T60.
 Hex: H4, H5, H6, H7, H8, H10, H12.
 Spline: M5, M6, M8, M10, M12.
 1/2" x 10 mm Sg Drive.
 3/8" x 10 mm Sg Drive.
 Material: 6150.
 Finishing: Sand Blasted.

74pc Automotive 10 mm Bit Set

Art. TCG0019



10 x 30 mm & 75 mm Each Size.
 Ribe: M5, M6, M7, M8, M9, M10, M12, M14.
 Spline: M5, M6, M8, M10, M12.
 Hex: H4, H5, H6, H7, H8, H10, H12.
 Torx: T20, T25, T30, T40, T45, T50, T55, T60.
 Security Torx: T20, T25, T30, T40, T45, T50, T55, T60.
 1/2" x 10 mm Sg Drive.
 3/8" x 10 mm Sg Drive.
 Material: 6150.
 Finishing: Sand Blasted.

Magnetic Telescopic Pick - Up Tool, 1 kg

Art. TCG0020



Lifting capacity: 1 kg.
Scope: 130 - 650 mm.
Type: Telescopic.

Magnetic Telescopic Pick - Up Tool, 1 kg

Art. TCG0021



Pick up 3 kg.
Length: 159 - 843 mm.
Handle dia: 14.5 - 16 mm.
Head dia: 17 mm.
Material: Stainless steel (dia: 7 / 10 mm).
Dip handle.

Plastic Blow Gun

Art. TCG0022



Lance length: 100 mm.

Professional Blow Gun

Art. TCG0023



Working pressure(MPa): 0.2 - 0.6.
Standard length(mm): 26.5.
Nozzle size(mm): $\Phi 2.0$.

Black Cable Tie



Art.	Size(mm)
TC48200B	200 x 4.8(± 0.1)
TC48300B	300 x 4.8(± 0.1)
TC48370B	370 x 4.8(± 0.1)
TC88450B	450 x 8.8(± 0.1)
TC48550B	550 x 4.8(± 0.1)
TC88800B	800 x 8.8(± 0.1)

Transparent (White) Cable Tie



Art.	Size(mm)
TC48200T	200 x 4.8(± 0.1)
TC48300T	300 x 4.8(± 0.1)
TC48370T	370 x 4.8(± 0.1)
TC88450T	450 x 8.8(± 0.1)
TC48550T	550 x 4.8(± 0.1)
TC88800T	800 x 8.8(± 0.1)

38pc Wire Brush Set

Art. TC1085



Use with the included soft grip handle or power tools.
Ideal for machining and auto repair.
Includes:
12 x Stainless Steel Brushes.
12 x Brass Brushes.
12 x Nylon Brushes.
1 x quick release soft grip handle.
1 x 6" quick release extension bar.

3pc Composite Brushes Set

Art. TCG0024



Steel, Nylon and Brass Brushes set.
Composite handle with holes for easy storage.
Suitable for cleaning spark plugs and smaller structural components.

3pc Steel Brushes Set for Clamps

Art. TCG0025



Steel, Nylon and Brass Brushes set.
Specialist tools for braking systems.

Brass Wire Brush

Art. TCG0026



Use: to terminals.
Length Fill / Overall: 250 mm.

Wire Brush

Art. TCG0027



Φ75 mm with 6 mm shaft.

Wire Brush

Art. TCG0028



Φ65 mm M14 x 2 mm.

Plastic Bins Workshop Organizer



Art.	Model	Size(mm)
TCA000	0#	180 x 120 x 72
TCA001	1#	205 x 120 x 90
TCA002	2#	240 x 150 x 115
TCA003	3#	310 x 185 x 130
TCA004	4#	345 x 205 x 140
TCA005	5#	380 x 225 x 180
TCA006	6#	460 x 290 x 170
TCA007	7#	520 x 350 x 180
TCA008	8#	612 x 410 x 225
TCA0F2	F-2	180 x 180 x 80
TCA0F3	F-3	260 x 220 x 115

Plastic Bins Workshop Organizer



Art.	Model	Size(mm)
TCB000	G1	135 x 105 x 75
TCB001	G2	200 x 135 x 110
TCB002	G3	275 x 135 x 125
TCB003	G4	275 x 275 x 125
TCB004	G5	270 x 205 x 175
TCB005	G6	370 x 210 x 175
TCB006	G7	370 x 420 x 175

Plastic Small Elements Workshop Organizer



Art.	Grid	Size(mm)
TCC0003	3	160 x 275 x 300
TCC0005	5	160 x 275 x 300
TCC0006A	6A	160 x 275 x 300
TCC0006B	6B	160 x 275 x 300
TCC0007	7	160 x 275 x 300
TCC00013	13	160 x 275 x 300
TCC00024	24	160 x 275 x 300

Torque Amplifier 1"

Art. TCG0029



Material: 40cr.
 Drive square: 1".
 Total length: 360 mm.
 Maximum safe output: 4800 n/m.
 Trans-speed ratio: 1:68.
 Two sockets in set: 32 mm, 33 mm.

Combustion System Leak Detector Set (Blown / Cracked Gaskets)

Art. TC6450



Detects blown gaskets and cracked blocks and cylinder heads.
 Detects CO₂ content in cooling system and indicates its presence by test fluid color change.

*QUALITÉ
VALIDÉE PAR
L'EXPÉRIENCE*

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