

Tools

Repair Tools



BMW	2
MERCEDES	30

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BMW

TB592800J	
<p>Window Bars-Lift Length: 300mm Suitable e.g. for Opel, Height: 150mm Ford, DB, BMW etc. Strength: 20mm</p>	

TB593500-10	<p>10Pc. Radio Removal Tool Set Set includes the following tools needed to install and remove radios: * 2pc. Din Radio Removal U-Hooks (Ford/VW/Audi) * 1pc. Special Pentagon Wrench (BMW) * 2pc. Radio Removal Keys (New VW Beetle/Audi) * 2pc. Radio Removal Keys (Mercedes Benz) * 2pc. Radio Removal Keys (VW) * 1pc. Allen Hex Wrench (BMW)</p>
	

TB593500-18	<p>18Pc. Radio Removal Tool Set Set includes the following tools needed to install and remove radios: * 4pc. Radio Removal Keys (New VW Beetle/Audi) * 2pc. Radio Removal Keys (Mercedes Benz) * 2pc. Radio Removal Keys (VW) * 2pc. Radio Removal Keys (New Skoda) * 2pc. Radio Removal Keys (New Becker) * 2pc. Din Radio Removal U-Hooks (New Blaupunkt) * 1pc. Allen Hex Wrench (BMW) * 2pc. Din Radio Removal U-Hooks (Ford/VW/Audi) * 1pc. Special Pentagon Wrench (BMW)</p>
	

TB593500-18A	<p>18Pc. Radio Removal Tool Set Set includes the following tools needed to install and remove radios: * 4pc. Radio Removal Keys (New VW Beetle/Audi) * 2pc. Radio Removal Keys (Mercedes Benz) * 2pc. Radio Removal Keys (VW) * 2pc. Radio Removal Keys (New Skoda) * 2pc. Radio Removal Keys (New Becker) * 2pc. Din Radio Removal U-Hooks (New Blaupunkt) * 1pc. Allen Hex Wrench (BMW) * 2pc. Din Radio Removal U-Hooks (Ford/VW/Audi) * 1pc. Special Pentagon Wrench (BMW)</p>
	

BMW

<p>TB593500-20</p>	<p>20Pc. Radio Removal Tool Set Set includes the following tools needed to install and remove radios:</p> <ul style="list-style-type: none"> * 4pc. Radio Removal Keys (New VW Beetle/Audi) * 2pc. Radio Removal Keys (Mercedes Benz) * 2pc. Radio Removal Keys (VW) * 2pc. Radio Removal Keys (New Skoda) * 2pc. Radio Removal Keys (New Becker) * 2pc. Radio Removal Keys (Pioneer) * 2pc. Din Radio Removal U-Hooks (New Blaupunkt) * 1pc. Allen Hex Wrench (BMW) * 2pc. Din Radio Removal U-Hooks (Ford/VW/Audi) * 1pc. Special Pentagon Wrench (BMW)
	<p>46Pc. Radio Removal Tool Set</p> <ul style="list-style-type: none"> * 1 - 2 x KENWOOD II 1998-2001 * 2 - 2 x SONY II ab 2002 * 3 - 2 x KENWOOD III ab 2002 * 4 - 2 x PIONEER & JVC * 5 - 2 x SONY I bis 2001 * 6 - 2 x PANASONIC * 6A- 2 x PANASONIC 2006 * 7 - 2 x MERCEDES BENZ & BMW * 8 - 2 x MERCEDES BENZ & BMW * 9 - 2 x MERCEDES BENZ & BMW * 10 - 2 x CLARION-NEU * 11 - 2 x CLARION (ALT) * 12 - 2 x FIAT BRAVA * 13 - 2 x OPEL * 14 - 2 x BLAUPUNKT, GRUNDIG, VW, AUDI, FORD * 15 - 1 x BMW * 16 - 4 x VW, AUDI, BECKER, MERCEDES BENZ * 17 - 2 x BECKER, PORSCHE, MERCEDES BENZ * 18 - 2 x VW * 19 - 1 x BMW, OPEL-Inbus * 20 - 2 x BECKER NEU ab 2002 * 21 - 2 x SKODA NEU ab 2002 * 22 - 2 x BLAUPUNKT NEU ab 2002
<p>TB593500-46</p>	<p>46Pc. Radio Removal Tool Set</p> <ul style="list-style-type: none"> * 1 - 2 x KENWOOD II 1998-2001 * 2 - 2 x SONY II ab 2002 * 3 - 2 x KENWOOD III ab 2002 * 4 - 2 x PIONEER & JVC * 5 - 2 x SONY I bis 2001 * 6 - 2 x PANASONIC * 6A- 2 x PANASONIC 2006 * 7 - 2 x MERCEDES BENZ & BMW * 8 - 2 x MERCEDES BENZ & BMW * 9 - 2 x MERCEDES BENZ & BMW * 10 - 2 x CLARION-NEU * 11 - 2 x CLARION (ALT) * 12 - 2 x FIAT BRAVA * 13 - 2 x OPEL * 14 - 2 x BLAUPUNKT, GRUNDIG, VW, AUDI, FORD * 15 - 1 x BMW * 16 - 4 x VW, AUDI, BECKER, MERCEDES BENZ * 17 - 2 x BECKER, PORSCHE, MERCEDES BENZ * 18 - 2 x VW * 19 - 1 x BMW, OPEL-Inbus * 20 - 2 x BECKER NEU ab 2002 * 21 - 2 x SKODA NEU ab 2002 * 22 - 2 x BLAUPUNKT NEU ab 2002
<p>TB593500-46A</p>	<p>Special Allen Wrench For R & R of all BMW anti-theft radios.</p>
<p>TB595700</p>	
<p>Special Allen Wrench For R & R of all BMW anti-theft radios.</p>	

BMW

<p>TB598200B</p>	<p>Antenna Wrench & Radio Service Set Set includes: * Universal Antenna Wrench * GM Code Retriever * Chrysler Radio Removal Socket * Ford Radio Removal Lock Pin Set * 1/4" Hex Bit Holder Socket * 1/4" Hex Torx Bits: T10 & T15 * 1/4" Hex Tamper Torx Bits: T7, T10, & T15 * BMW models with anti-theft radio. * Audi A4, A6, A8 and VW New Beetle. * For 1992 & newer Mercedes 129, 140, 163, 202, and 210 models. * For VW New Body Style Passat, Jetta and Golf.</p>
	
<p>TC59083</p>	<p>BMW Ball Joint R&R; Tool BMW3028</p> <p>Designed to remove or install the center ball joint of control arm. Used inconjunction with a hydraulic press. Or on the car application when used inconjunction with a C-Clamp.</p> <p>Applicable: Chassis -E30, E 36.</p>
	
<p>TC59093</p>	<p>BMW E36 PRESS ARBOR KIT CONTROL ARM/BALL JOINT TOOLS</p> <p>For removing and installing the outer wheel control arm ball joint. Use it together with C-Clamp(TW 35504 or OTC 7249) on the car, or with your hydraulic press.</p> <p>Applicable: E36 models.</p>
	
<p>TC59103</p>	<p>BMW Press arbor Kit</p> <p>Control arm Press Arbor Kit This set is used for the R &R; of control/track arm bushings. Used in conjunction with a hydraulic press.</p> <p>Applicable: BMW cassis E24 and E28.</p>
	

BMW

<p>TC59146A</p>	<p>26PC. Universal Radio Removal Kit & Antenna Wrench Kit</p>
	<ul style="list-style-type: none"> * 4pc. Radio Removal Keys (New VW Beetle/Audi) * 2pc. Radio Removal Keys (Mercedes Benz) * 2pc. Radio Removal Keys (VW) * 2pc. Radio Removal Keys (New Skoda) * 2pc. Radio Removal Keys (New Becker) * 2pc. Din Radio Removal U-Hooks (New Blaupunkt) * 1pc. Allen Hex Wrench (BMW) * 2pc. Din Radio Removal U-Hooks (Ford/VW/Audi) * 1pc. Special Pentagon Wrench (BMW) * 7pc. Special Socket Set * 1pc. Chrysler Radio Removal Socket
<p>TC59249</p>	<p>Wheel Bearing Tool Kit (with mechanical drive)</p>
	<p>Suitable for Fiat, VW-Audi, BMW, Ford, Seat, Skoda, Opel, etc. For fast, safe and professional removal and installation of Wheel bearings.</p> <p>The special design of pressure washers ensures safe and accurate centering of the wheel bearings and change that when removing and installing the wheel bearing only on the bearing outer ring and installation of the wheel hub pressed only on the bearing inner ring is. This prevents damage to the new wheel bearing. Through the combination of centering and pressure rings arise Pressure washers are precisely matched to the camp Ø can. At very fixed or rusted wheel bearings can be optionally A hydraulic 17 t. Drive can be used.</p>
<p>TC59257</p>	
<p>BMW Outside Mirror Removal Pliers Use to remove the retainer on the outside mirror. •Applicable: BMW E12, E21, E23, E24, E28, E30, E31, E32, E34, E36, E38, E39. LENGTH: 162 MM</p>	<p>TC59258A</p> 
<p>TC59258A -1</p>	
<p>Straight Socket 22mm hex Application: VW-Audi, BMW, Mercedes, Ford, Opel/Vauxhall, Peugeot, Citroën, Renault, Seat, Skoda, Japanese cars, etc. 12*12-point: 22mm Length: 250mm Weight: 450g</p>	<p>TC59258B</p> 
	<p>Angled Socket 22mm hex Application: VW-Audi, BMW, Mercedes, Ford, Opel/Vauxhall, Peugeot, Citroën, Renault, Seat, Skoda, Japanese cars, etc. Angle bent at 30o 6*12-point: 22mm Length: 250mm Weight: 450g</p>

BMW

<p>TC59258B -1</p>		<p>TC59316</p>	
<p>Angled Socket 22mm hex Application: VW-Audi, BMW, Mercedes, Ford, Opel/Vauxhall, Peugeot, Citroën, Renault, Seat, Skoda, Japanese cars, etc. Angle bent at 30° 12*12-point: 22mm Length: 250mm Weight: 450g</p>		<p>Oil and Diesel Oil Filter Wrench 14 sides Ø: 74mm H: 68mm Application: Toyota/Lexus, VW-Audi, Ford, BMW, Opel, Mercedes-Benz, Peugeot, Citroën, Renault, Mazda, etc...</p>	
<p>TC59258B-1_970</p>		<p>Angled Socket 22mm hex Application: VW-Audi, BMW, Mercedes, Ford, Opel/Vauxhall, Peugeot, Citroën, Renault, Seat, Skoda, Japanese cars, etc. Angle bent at 30° 12*12-point: 22mm Length: 250mm Oxygen Sensor Wrench Needed for servicing today's computer-controlled vehicle systems. Easily removes the oxygen sensor located in the exhaust manifold. Heat treated cast steel. Has 7/8" hex, 1/2" square drive (double square for easy access).</p>	
		<p>Pulley-Extractor and Reaction Tool Universal application : VW-Audi, Seat, Škoda, Opel/Vauxhall Ford, BMW, Mercedes, Peugeot, Citroën, Renault, Fiat, Japanese vehicles, etc. Loosen the retaining bolt and extract the Pulley. Suitable for all Pulleys with holes with a PCD Ø from 70 mm - 100 mm. Suitable for hole Ø from minimum 20 mm. To lock the Pulley while loosening or tightening the retaining bolt, as well as preventing the Pulley from rotating during extraction. Any available 1/2" ratchet or extension drive may be used as the reaction tool. Consists of: * 1 x Puller Plate * 3 x Hook Ø 20 mm * 3 x Hook Ø 26 mm * 3 x Shoulder Nut M10 * 1 x Pressure-Unit</p>	
		<p>Pulley-Extractor and Reaction Tool Universal application : VW-Audi, Seat, Škoda, Opel/Vauxhall Ford, BMW, Mercedes, Peugeot, Citroën, Renault, Fiat, Japanese vehicles, etc. Loosen the retaining bolt and extract the Pulley. Suitable for all Pulleys with holes with a PCD Ø from 70 mm - 100 mm. Suitable for hole Ø from minimum 20 mm. To lock the Pulley while loosening or tightening the retaining bolt, as well as preventing the Pulley from rotating during extraction. Any available 1/2" ratchet or extension drive may be used as the reaction tool. Consists of: * 1 x Puller Plate * 3 x Hook Ø 20 mm * 3 x Hook Ø 26 mm * 3 x Shoulder Nut M10 * 1 x Pressure-Unit * 1x Hammer (L=495mm)</p>	
			

BMW

	<p>TC59317B</p> 	<p>Pulley-Extractor and Reaction Tool As TC59317A Pulley-Extractor and Reaction Tool but with 2 Hooks Ø- 26 mm and 2 Hexagonal Nuts . Suitable for VW-Audi, Seat, Škoda, Opel/Vauxhall Ford, BMW, Mercedes, Peugeot, Citroën, Renault, Fiat, Japanese vehicles, etc. Consists of: * 1 x Puller Plate * 2 x Hook Ø 26 mm * 2 x Shoulder Nut M10 * 1 x Pressure-Unit</p>
<p>TC59317D</p>		<p>TC59317D (SET)</p> 
<p>Puller Set</p> <p>Suitable for : VW-Audi, Alfa Romeo, BMW, Citroën, Fiat Ford, Mazda, Mercedes, Opel, Porsche, Renault, Seat, Škoda, etc.</p>		<p>Puller Set & Slide Hammer</p> <p>Suitable for : VW-Audi, Alfa Romeo, BMW, Citroën, Fiat Ford, Mazda, Mercedes, Opel, Porsche, Renault, Seat, Škoda, etc.</p>
	<p>TC59317D-HM</p> 	<p>Slide Hammer</p> <p>Weight: 4.8 kg</p> <p>Suitable for : VW-Audi, Alfa Romeo, BMW, Citroën, Fiat Ford, Mazda, Mercedes, Opel, Porsche, Renault, Seat, Škoda, etc.</p>
	<p>TC59388</p> 	<p>Self Adjusting Clutch Assemble Tool For removal and installation of self adjusting clutches fitted to BMW/VAG/Mercedes/Volvo/ Renault/Vauxhall/Opel. The tool allows the clutch pressure plate to be pretension prior to removal and installation, avoiding distortion to the plate. The tool also allows the clutch plate to be centred accurately on the guide bearing or pressure plate and the adjusting ring rewind. ·Material : Aluminum.</p>

BMW

<p>TC59388-30</p>	<p>Complete Kit For Assembling And Disassembly Of Self Adjusting Clutches (3 hole pitch) 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 : Aluminum.</p>
	<p>Complete Kit For Assembling And Disassembly Of Self Adjusting Clutches (3 hole pitch) 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.</p>
<p>TC59388-40</p>	<p>Complete Kit For Assembling And Disassembly Of Self Adjusting Clutches (4 hole pitch) Suitable for most Self Adjusting Clutches SAC(4 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 : Aluminum.</p>
	<p>Complete Kit For Assembling And Disassembly Of Self Adjusting Clutches (4 hole pitch) Suitable for most Self Adjusting Clutches SAC(4 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.</p>
<p>TC59388-40A</p>	<p>Complete Kit For Assembling And Disassembly Of Self Adjusting Clutches (4 hole pitch) Suitable for most Self Adjusting Clutches SAC(4 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.</p>
	

BMW

<p>TC59388-3040</p>	<p>Complete Kit For Assembling And Disassembly Of Self Adjusting Clutches (3 and 4 hole pitch) Suitable for most Self Adjusting Clutches SAC(3 and 4 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 : Aluminum.</p>
	<p>Complete Kit For Assembling And Disassembly Of Self Adjusting Clutches (3 and 4 hole pitch) Suitable for most Self Adjusting Clutches SAC(3 and 4 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.</p>
	<p>Self Adjusting Clutch Assemble Tool For removal and installation of self adjusting clutches fitted to BMW/VAG/Mercedes/Volvo/ Renault/Vauxhall/Opel. The tool allows the clutch pressure plate to be pretension prior to removal and installation, avoiding distortion to the plate. The tool also allows the clutch plate to be centred accurately on the guide bearing or pressure plate and the adjusting ring rewind. ·Material : Steel.</p>
	

BMW

<p>TC59388E</p>	<p>SAC Clutch Tool Master Kit</p> <p>- This kit allows the professional dismantling and mounting of all self adjusting clutches (SAC) e.g. on VW, Audi, BMW, Ford, Mercedes-Benz, Opel, Renault, Volvo, etc.</p> <p>- During assembling and disassembling operations the pre-tightening of the pressure plate is required in order to avoid clutch deformation.</p> <p>- The 6-arms plate has been designed for use with 3 and 4 fixing points, for clutches with 6 or 8 locking holes.</p>																						
	<table border="1"> <tr> <td>1. Clamping tool for SAC clutches with 6(8) locking holes</td> </tr> <tr> <td>2. Face spanner</td> </tr> <tr> <td>3. Compression strut</td> </tr> <tr> <td>4. Clutch mandrel set (BMW)</td> </tr> <tr> <td>(a) 15mm x 23mm</td> </tr> <tr> <td>(b) 15mm x 26.5mm</td> </tr> <tr> <td>(c) 15mm x 28mm</td> </tr> <tr> <td>(d) 15mm x 32.5mm</td> </tr> <tr> <td>(e) 15mm x 34mm</td> </tr> <tr> <td>(f) Centering sleeve (15mm / 32.5mm)</td> </tr> <tr> <td>5. Clutch resetting tool</td> </tr> <tr> <td>6. Handle for clamping tool (2pcs)</td> </tr> <tr> <td>7. Clutch centering tools</td> </tr> <tr> <td>(a) Blue: 19.75mm diameter</td> </tr> <tr> <td>(b) Pink: 20.75mm diameter</td> </tr> <tr> <td>(c) Black stepped: 19mm/15mm/14mm</td> </tr> <tr> <td>(d) Black stepped: 22mm/20mm/15mm(VW)</td> </tr> <tr> <td>8. Knurled nuts for threaded bolts (4 pcs)</td> </tr> <tr> <td>9. 3 sets of 4 threaded bolts</td> </tr> <tr> <td>(a) Silver: M6 / 1.0 screw thread</td> </tr> <tr> <td>(b) Black: M8 / 1.25 screw thread</td> </tr> <tr> <td>(c) Gold: M7 / 1.0 screw thread</td> </tr> </table> 	1. Clamping tool for SAC clutches with 6(8) locking holes	2. Face spanner	3. Compression strut	4. Clutch mandrel set (BMW)	(a) 15mm x 23mm	(b) 15mm x 26.5mm	(c) 15mm x 28mm	(d) 15mm x 32.5mm	(e) 15mm x 34mm	(f) Centering sleeve (15mm / 32.5mm)	5. Clutch resetting tool	6. Handle for clamping tool (2pcs)	7. Clutch centering tools	(a) Blue: 19.75mm diameter	(b) Pink: 20.75mm diameter	(c) Black stepped: 19mm/15mm/14mm	(d) Black stepped: 22mm/20mm/15mm(VW)	8. Knurled nuts for threaded bolts (4 pcs)	9. 3 sets of 4 threaded bolts	(a) Silver: M6 / 1.0 screw thread	(b) Black: M8 / 1.25 screw thread	(c) Gold: M7 / 1.0 screw thread
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<p>TC59388F</p>	<p>SAC Clutch Mandrel Set (BMW)</p> <p>Suitable for BMW vehicles</p>
	<ul style="list-style-type: none"> • For centering clutch disc on flywheel while installing self adjusting clutch (SAC). • Designed to align the clutch disc before installing or re-installing a self adjusting clutch (SAC). • Can also be used to align new and already pretensioned SAC clutches.

BMW

TC59433B	<p>Stretch Belt Installation Tools Quickly and easily install stretch belt found on many late model vehicles. These drive systems do not have a tensioner and require the proper installation tools to avoid damage to belts.</p> <p>Applications : BMW, Volvo, Mercedes, Mazda</p>
	

TC59437B	
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Oil Pan Repair Master Set
 *Feature: Solid and fast solution for the repair of defective oil drain screw thread without the expensive replacement of the sump.
 *Application: The damaged thread is simply to tap away to the next size expands. Oil drain screw in part with Allen drive for oil pans with recessed drain opening suitable.
 *Universal applications e.g. for: Audi, BMW, Citroen, Daimler-Benz, Ford, Fiat, Honda, Mazda, Mitsubishi, Nissan, Opel, Peugeot, Porsche, Renault, Saab, Seat, Skoda, Toyota, Volvo, VW etc.
 *Scope of supply: complete with 1 / 3 foam insert in the plastic case. Replacement oil drain screw and aluminum seals are available.
 *Consisting of:
 1—Special Taps M13x1.5
 1—Special Taps M15x1.5
 1—Special Taps M17x1.5
 1—Special Taps M20x1.5
 5—Oil drain plug gasket with aluminum M13x1.5 external drive 6-kant SW17
 5—Oil drain plug gasket with aluminum M15x1.5 external drive 6-kant SW19
 5—Oil drain plug gasket with aluminum M17x1.5 inner drive 6-kant SW 8
 5—Oil drain plug gasket with aluminum M20x1.5 inner drive 6-kant SW 10

TC59447	<p>Oil Cooler Line Plier Release the hydraulic cooling lines that connect to the transmission.</p> <p>• Applications: BMW E46, E53, E65, E66, E85, R50, R53.</p>
	

BMW

TC59460A	<p>Brake Cable Pliers</p> <p>To remove and replace the Hand Brake Cable . The Pliers compress the return springs so far that the cable may be easily removed and replaced.</p> <p>Suitable for VW, Audi, BMW, Nissan, Peugeot, Renault, Rover, Seat, etc.</p> <p>Length: 225 mm</p>
	

TC59467	<p>- Moveable rests allow infinitely adjustment of the tool length and therefore an universal application for 1-12 cylinder engines</p>																		
	<table border="1"> <thead> <tr> <th colspan="2">Press Piece</th> </tr> </thead> <tbody> <tr> <td>21mm</td> <td>Peugeot; Citroen HDI</td> </tr> <tr> <td>24mm</td> <td>VW/Audi; Seat; Smart & Opel</td> </tr> <tr> <td>25mm</td> <td>Hyundai</td> </tr> <tr> <td>28mm</td> <td>Toyota & Ford 16V</td> </tr> <tr> <td>32mm</td> <td>Opel & Peugeot</td> </tr> <tr> <td>34mm</td> <td>BMW; VW & Peugeot (diesel)</td> </tr> <tr> <td>35mm</td> <td>Renault; Mazda; Peugeot 106 & Mercedes M102/ M104</td> </tr> <tr> <td>42mm</td> <td>Ford</td> </tr> </tbody> </table>	Press Piece		21mm	Peugeot; Citroen HDI	24mm	VW/Audi; Seat; Smart & Opel	25mm	Hyundai	28mm	Toyota & Ford 16V	32mm	Opel & Peugeot	34mm	BMW; VW & Peugeot (diesel)	35mm	Renault; Mazda; Peugeot 106 & Mercedes M102/ M104	42mm	Ford
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<p>Universal Valve Spring Compressor Tool</p> <p>Applicable for 1-12 cylinder engines -two up to four - valve technology, in-line-engines or V-engines.</p> <ul style="list-style-type: none"> - This tool permits renewal of valve-stem oil-seals with the cylinder head removed or cylinder head assembled. - The retaining flanges are rotatable, so that they may be affixed to the cylinder head lengthways, sideways, or diagonally. - The correct height of the supporting rod may be adjusted due to the adjustment spindles on the left and right side, to achieve the correct angle between handle and the pressure piece for compressing the valve-spring. 																			

BMW



Universal Valve-Spring Compressor Tool
 1-Adaptor
 8-Valve Caps :
 Ø21-24-25-28-32-34-35-42MM

Press Piece	
21mm	Peugeot; Citroen HDI
24mm	VW/Audi; Seat; Smart & Opel
25mm	Hyundai
28mm	Toyota & Ford 16V
32mm	Opel & Peugeot
34mm	BMW; VW & Peugeot (diesel)
35mm	Renault; Mazda; Peugeot 106 & Mercedes M102/ M104
42mm	Ford



Driveshaft Tie Pliers
 Applicable on Audi, BMW, Chrysler, Ford, GM, Honda, Mazda, Mercedes, Nissan, Opel/Vauxhall, VW, etc.
 * For crimping driveshaft bellows ties.
 * Suitable for Oetiker fittings.



7Pc. Air Bag Removal Tool Kit
 A seven piece tool kit for removing air bags on Volkswagen/Audi, BMW and Mercedes.

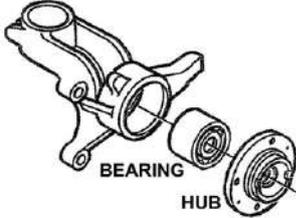
TC59497-12



12Pc. Universal Tool For Expanding Air Bag Set
 For the safe removal and installation of air-bag units in many popular cars

		Manufacturer	Model
A	Drivers Air Bag(x1)	Volkswagen	Passat, Jetta, Golf, Beetle, Bora
B	(x2)	Volkswagen, Audi, Skoda	Passat B5, Polo, Lupo, A4&A6, Superb
C	(x2)	Volkswagen, Seat, Skoda	Golf F4, New Beetle, Fabla, Octavia
D	(x1)	Volkswagen	Golf F4, Passat, Bora
E	(x1)	Volkswagen	Passat
F	T30(x2)	Audi, Opel, Renault, VW, BMW, Mercedes, Opel	
F	T25(x2)	BMW	
F	5MM(x1)	Audi	

BMW

<p>TC59548</p>		<p>TC59558</p>	
<p>Glow-Plug Connector Pliers(straight) To remove stubborn and awkward to reach Glow-Plug connectors, found on the latest generation of engines. e.g. Mercedes, BMW, VW-Audi etc.</p>		<p>Glow-Plug Connector Pliers(angled) To remove stubborn and awkward to reach Glow-Plug connectors , found on the latest generation of engines. e.g. Mercedes, BMW, VW-Audi etc. * Version angled at 90°</p>	
<p>TC59593</p>		<p>Front Wheel Drive = European - VW, Audi. American - Chrysler, Ford, Saturn Asian - Toyota / Lexus, Nissan / Infiniti, Honda / Acura, Mazda, Hyundai / Kia</p>	
			
<p>Wheel Hub and Bearing Master Kit</p> <p>The TC59593 is the only equipment designed to accurately and efficiently Extract or Install Hubs and singular Wheel Bearings of spindle assemblies. It will tackle Front, Rear or All Wheel Drive vehicles with independent suspension and equipped with a solid roller ball bearing. The application is strictly for wheel assemblies where power is applied from the motor to the wheels, equipped with independent suspension and use a Singular Solid Roller Bearing at that wheel. It's unit on the market to "track arrow straight" when properly assembled on the vehicle under load. It tackles most front wheel drive Asian, European, and some Domestic vehicles and within its exclusive design the only unit to tackle Rear wheel drive European vehicles. Applicable: Rear Wheel Drive = BMW, Mercedes, Porsche.</p>			
<p>TC59606-810</p>		<p>Double Offset Ratchet Wrench</p>	
		<p>* For installing and removing glow plugs e.g. on diesel engines VW, BMW, AUDI, RENAULT. * For glow plugs between the motor unit and the diesel injection pump. * Heads with hexagon profile.</p> <p>TC59606-810 8mm x 12PT x 10mm x 12PT x 300 mm Long. * s 8 mm for operation of conductor rail screws with limit stop to guide the 8 mm nut. * s 10 mm for the operation of glow plugs.</p>	

BMW

<p>TC59606-812</p>	<p>Double Offset Ratchet Wrench</p>
	<ul style="list-style-type: none"> * For installing and removing glow plugs e.g. on diesel engines VW, BMW, AUDI, RENAULT. * For glow plugs between the motor unit and the diesel injection pump. * Heads with hexagon profile. <p>TC59606-812 8mm x 12PT x 12mm x 12PT x 300 mm Long.</p> <ul style="list-style-type: none"> * s 8 mm for operation of conductor rail screws with limit stop to guide the 8 mm nut. * s 12 mm for the operation of glow plugs.

BMW

TC59663



Oil Filter Offset Wrench Set (5pcs)

Features:

- 24mm/27mm/32mm/36mm/38mm with 3/8" square driver
- Low profile design with offset drive.
- Special design for tight confined areas.
- For oil filters where access is limited.



Size	Brand	Model
24mm	BMW	N62 5/7 Series
27mm	Mercedes-Benz	A-Class
27mm	Ford	Fiesta 1.4/1.6 TDCi
27mm	Renault	1.5/1.9/2.2/2.5dci
27mm	BMW	Mini
27mm	Ford	Transit 2.2/2.4/3.2
32mm	Vauxhall/Opel	Astra-G/Corsa-B
32mm	Volkswagen	Polo 1.2/Transporter T5 1.9
32mm	Audi	A6 3.2 TSi V6
32mm	Ford	Transit 2.0/2.4
32mm	Chevrolet	HHR/Cobalt/Cobalt SS/Malibu/Cavalier/S10/Malibu, Maxx
32mm	Saturn	L-series/Ion/Vue
32mm	Pontiac	G6/Solstice/Sunfire/Grand AM
32mm	Oldsmobile	Alero
32mm	GMC	Sonoma
32mm	SAAB	9-3
36mm	Mercedes-Benz	220d/E220d/M604/C250d/E250d/M605/E300d/M606 MB/MB Transporter M616 116MB/100 Transporter
36mm	BMW	M52 3 Series/5 Series M60 6cyl/5/7/8 Series M73 12 cyl 7/8 Series
36mm	Vauxhall/Opel	Vectra-B di 16v
36mm	Volkswagen	Transporter T5/Lupo 1.2 TDi/Toureg TDi
38mm	Vauxhall/Opel	Astra Zafira 2.0/2.2 dti

BMW

TC59697D		Part No.	Drive	S*L(mm)	Description
		TC59697D-03	3/8" <input type="checkbox"/>	17*115	For BMW diesel engines and OPEL 2.5TD engines
		TC59697D-04	1/2" <input type="checkbox"/>	14*119	For injection lines e.g. on BMW, VW
		TC59697D-05	1/2" <input type="checkbox"/>	17*119	<ul style="list-style-type: none"> For injection lines on MERCEDES-BENZ 100, 130, 314, 360, 360h, 352a, 346/355, 401, 402, 403, 407h, 615, 616, 617 • Long style
		TC59697D-06	1/2" <input type="checkbox"/>	19*119	<ul style="list-style-type: none"> For injection lines on MERCEDES-BENZ M 352, A, 346/355, A, 401, 402/422, LA, 403, 407h, as well as for the dip stick guide tube on M 314 • Long style
		TC59697D-07	1/2" <input type="checkbox"/>	18*119	For All diesel engines

Injection Line Socket

- Open 12-point socket for the operation of screwed connections on injection lines.
- On MAN commercial vehicles with D 20 engines – Common Rail injection systems.

TC59697D-3PCS		Part No.	Drive	S*L(mm)	Description
		TC59697D-04	1/2" <input type="checkbox"/>	14*119	For injection lines e.g. on BMW, VW
		TC59697D-05	1/2" <input type="checkbox"/>	17*119	<ul style="list-style-type: none"> For injection lines on MERCEDES-BENZ 100, 130, 314, 360, 360h, 352a, 346/355, 401, 402, 403, 407h, 615, 616, 617 • Long style
		TC59697D-06	1/2" <input type="checkbox"/>	19*119	<ul style="list-style-type: none"> For injection lines on MERCEDES-BENZ M 352, A, 346/355, A, 401, 402/422, LA, 403, 407h, as well as for the dip stick guide tube on M 314 • Long style

Injection Line Socket

- Open 12-point socket for the operation of screwed connections on injection lines.
- On MAN commercial vehicles with D 20 engines – Common Rail injection systems.

BMW

TC59710



Ball Joint Extractor Set

For Audi, BMW, Ford, Chrysler, Opel, Saab, Volvo, VW, Nissan, Toyota....

TC59710A

TC59710B

TC59710C

Ⓐ	∅ mm	Ⓒ	l mm
	23		55
	28		55
	34		63

TC59797



TC59797-5



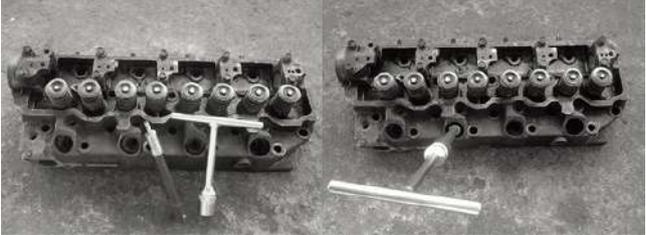
Diesel Injector Seat Cutter Set

- Identify injector "blow-by" exists (see previous page for possible symptoms).
 - Gain access to the injectors and remove them.
 - Select required reamer onto pilot post and tighten internal hex screw.
 - Place assembled cutter into injector recess.
 - Using the T bar and socket supplied apply only a small amount of pressure whilst turning the cutter in a clockwise direction only. Use a small amount of light lubricant whilst performing the cut to reduce chattering and help give a flat cut. Do not over cut the seat only remove enough metal to form a good seat.
 - Thoroughly clean the seat and remove all swarf.
 - Fit injectors as per manufacturers instructions.
- Kit contents:
- TC59797-01-15*19mm Flat Reamer for Universal injector.
 - TC59797-02-17*17mm Flat Reamer for Delphi/Bosch injectors (BMW/PSA/Renault/Ford).
 - TC59797-03-17*19mm Flat Reamer for Bosch injectors (Mercedes CRD).
 - TC59797-04-17*21mm Angled Resmer for Fiat/Iveco.
 - T handle*1.
 - Pilot post*1.
- MATERIAL : CR-V

Diesel Injector Seat Cutter Set

- Identify injector "blow-by" exists (see previous page for possible symptoms).
 - Gain access to the injectors and remove them.
 - Select required reamer onto pilot post and tighten internal hex screw.
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 - Thoroughly clean the seat and remove all swarf.
 - Fit injectors as per manufacturers instructions.
- Kit contents:
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 - TC59797-03-17*19mm Flat Reamer for Bosch injectors (Mercedes CRD).
 - TC59797-04-17*21mm Angled Reamer for Fiat/Iveco.
 - TC59797-05-17mm Angled for Fiat/Iveco, Ford
 - T handle*1.
 - Pilot post*1.
- MATERIAL : CR-V

BMW

<p>TC59797-8</p>	<table border="1"> <tr> <td>Pilot post</td> <td colspan="2"></td> </tr> <tr> <td>T-handle</td> <td colspan="2"></td> </tr> </table>	Pilot post			T-handle														
Pilot post																			
T-handle																			
	<table border="1"> <tr> <td>Reamer (flat)</td> <td>15 x 19 mm</td> <td>Various vehicles</td> </tr> <tr> <td>Reamer (flat)</td> <td>17 mm</td> <td>Bosch / Delphi (BMW, Ford, PSA, Renault)</td> </tr> <tr> <td>Reamer (flat)</td> <td>17 x 19 mm</td> <td>Bosch (Mercedes CRD)</td> </tr> <tr> <td>Reamer (angled)</td> <td>17 mm</td> <td>Fiat, Iveco, Ford, Mercedes CDI</td> </tr> </table>	Reamer (flat)	15 x 19 mm	Various vehicles	Reamer (flat)	17 mm	Bosch / Delphi (BMW, Ford, PSA, Renault)	Reamer (flat)	17 x 19 mm	Bosch (Mercedes CRD)	Reamer (angled)	17 mm	Fiat, Iveco, Ford, Mercedes CDI						
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Reamer (angled)	17 mm	Fiat, Iveco, Ford, Mercedes CDI																	
<p>Diesel Injector/Injector Seat Cleaner Set</p> <p>Used to clean injector / injector seat when changing injector. Helps to avoid blow - back due to poorly seated injector. Suitable for a wide range of vehicles.</p> <p>Content</p>	<table border="1"> <tr> <td>Reamer (angled)</td> <td>17 x 21 mm</td> <td>Fiat, Iveco</td> </tr> <tr> <td>Reamer</td> <td>18 x 21 mm</td> <td>Various vehicles</td> </tr> <tr> <td>Reamer</td> <td>20 x 21 mm</td> <td>Various vehicles</td> </tr> <tr> <td>Reamer (long)</td> <td>15.5 mm</td> <td>Bosch</td> </tr> <tr> <td>Cleaner</td> <td>19 mm</td> <td>Injector cleaner</td> </tr> <tr> <td>Hex key</td> <td></td> <td></td> </tr> </table> 	Reamer (angled)	17 x 21 mm	Fiat, Iveco	Reamer	18 x 21 mm	Various vehicles	Reamer	20 x 21 mm	Various vehicles	Reamer (long)	15.5 mm	Bosch	Cleaner	19 mm	Injector cleaner	Hex key		
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Cleaner	19 mm	Injector cleaner																	
Hex key																			

<p>TC59797AA</p>	<p>Diesel Injector Seat Cutter Set</p> <ul style="list-style-type: none"> •Identify injector "blow-by" exists (see previous page for possible symptoms). •Gain access to the injectors and remove them. •Select required reamer onto pilot post and tighten internal hex screw. •Place assembled cutter into injector recess. •Thoroughly clean the seat and remove all swarf. •Fit injectors as per manufacturers instructions.
	<p>Kit contents:</p> <ul style="list-style-type: none"> •15*19mm Flat Reamer for Universal injector. •17*17mm Flat Reamer for Delphi/Bosch injectors (BMW/PSA/ Renault/Ford). •17*19mm Flat Reamer for Bosch injectors (Mercedes CRD). •17*21mm Angled Resmer for Fiat/Iveco. •Pilot post*1.

<p>TC59797AA-5</p>	<p>Diesel Injector Seat Cutter Set</p> <ul style="list-style-type: none"> •Identify injector "blow-by" exists (see previous page for possible symptoms). •Gain access to the injectors and remove them. •Select required reamer onto pilot post and tighten internal hex screw. •Place assembled cutter into injector recess. •Thoroughly clean the seat and remove all swarf. •Fit injectors as per manufacturers instructions.
	<p>Kit contents:</p> <ul style="list-style-type: none"> •15*19mm Flat Reamer for Universal injector. •17*17mm Flat Reamer for Delphi/Bosch injectors (BMW/PSA/Renault/ Ford). •17*19mm Flat Reamer for Bosch injectors (Mercedes CRD). •17*21mm Angled Resmer for Fiat/Iveco. •17mm Angled for Fiat/Iveco, Ford •Pilot post*1.

BMW

<p>TC59808</p>	<p>Earless Clamp Pliers-Extra Heavy Duty For tightening of clamps (system OETIKER) on cv boots, water and fuel hoses. Suitable for Audi, BMW, Chrysler, Ford, GM, Honda, Mazda, Mercedes, Nissan, Opel/ Vauxhall, VW etc. Advantages: * No damage to spring band clamps. * No damage to hoses. * Easy and quick replacement of hoses.</p>
	
<p>TC59818B</p>	
<p>Diesel Injection Pump Remover & Sprocket Retainer - BMW M47/M57 Removes the diesel pump and retains the pump sprocket in-situ so that the sprockets/timing chain configuration remains undisturbed, minimising the level of engine disassembly.</p>	
<p>TC59820</p>	<p>Needle Bearing Extractor Sets Also for ball bearing and bushings. For bores: dia. 12, 15, 18 mm. For cars: Audi, BMW, Citroen, Fiat, Ford, DB, Opel, Peugeot, Porsche, Renault, Rover, Saab, Volvo, VW, Nissan, Datsun, Toyota... Contents: Pair of legs, 3 distance wedges, 1 slide hammer with holder. 12mm for BMW, Opel 15mm for Audi, DB, Ford, Opel, Porsche, VW 18mm for Audi</p>
	
<p>TC59825</p>	<p>Wiper-Arm Puller Set Suitable for: VW-Audi, BMW, Ford, Mercedes, Opel, Peugeot, etc. The first universal Puller Set to remove bolted Windscreen Wiper Arms, especially for those which have become rusted or corroded onto the drive-shaft. Stubborn and deep-seated Wiper Arms may be quickly and easily removed using the TC59825 Puller Set. Wiper Arms with integrated Screen-Wash nozzles - e.g. VW-Audi, BMW etc. on the rear window - can be easily removed by using the Slide hammer included in the Set. Wiper Arms with central holes may be removed by using the Pressure Spindle. Those Wiper Arms with no central hole require the Pressure Bolt to be used with the Pressure Adaptor supplied. Contents: * 6 grippers * 1 Pressure spindle * 1 slide hammer</p>
	

BMW

TC59825A	<p>Universal Windscreen Wiper Arm Puller Set for cars and trucks</p> <p>Contents:</p> <ul style="list-style-type: none"> * 8 grippers * 1 drive * 1 spindle-cap * 1 hollow-cap * 1 spindle-extension * 1 puller * 2 special-legs * 1 slide hammer <p>Cars: Audi, Alfa-Romeo, BMW, Chrysler-Jeep, Citroen, Chevrolet-Daewoo, Daihatsu, Fiat, Ford, Honda, Hyundai, Jaguar, KIA, Land Rover, Mazda, MG-Rover, MB, Mitsubishi, Nissan, Opel, Peugeot, Porsche, Renault, Saab, Seat, Skoda, Smart, Suzuki, Toyota, Volvo, VW...</p> <p>Trucks: MAN, MB, Scania...</p> <p>Patent : Europe, U.S.A, Taiwan.</p>
	

TC59825A-0910	<p>Nissan, Peugeot, Porsche, VW, MAN, MB, Scania.</p> <p>Patent : Europe, U.S.A, Taiwan.</p>
	
<p>Wiper Arm Puller 2-arm With Special-Krallex-Legs With integrated Leg-Clamp Its special shape, the two different hook couples (with extra thin straight tips and rounded tips) and the adjusting nut make this puller almost universal in its range of application. Application on Audi, BMW, Chevrol/Daewoo, Chrysler-Jeep, Citroen, Fiat, Ford, Honda, Hyundai, KIA, Land Rover, Mazda, MG-Rover,</p>	

∅ mm min. - max.	↓ mm	max. torque Nm	max. capacity t KN	spindle mm thread x -length	SW	Leg mm				
						a	b	c	d	
0 - 60	50	40	2,5 25	M12 x 90	13	2,5	5	8	26,5	

∅ mm min. - max.	↓ mm	max. torque Nm	max. capacity t KN	spindle mm thread x -length	SW	Leg mm				
						a	b	c	d	
0 - 60	50	25	1,5 15	M12 x 90	13	2,5	3	6	15	



BMW

<p>TC59928-3</p>	<p>Drive: SW 22 mm</p>
	
<p>Oil Filter Wrench</p> <p>Applicable on VW-Audi, BMW, Citroën, Fiat, Ford, Lancia, Mazda, Mercedes, Nissan, Opel /Vauxhall, Peugeot, Porsche, Renault, Suzuki, Toyota, etc.</p> <p>Especially suitable for Audi A3 TDI, VW Golf IV TDI, BMW E36 with 4-cylinder engines, Porsche Cayenne, Boxster, 911 and Mercedes CDI engines, as well as C- and E-Class with 4- and 6-cylinder petrol engines. For Oil Filter with 74mm and 14 Flats.</p>	

<p>TC59928-12</p>	<p>Oil Filter Wrench 74mm x 14 flutes Wrench for gasoil to immersion.</p>
	<p>Aluminium Filter wrench in 3/8"D for use on Audi BMW,Citroen,Fiat,Ford,Lancia,Mazda, Mercedes,Nissan,Peugeot,Renault,Suzuki, Toyota,Vauxhall/Opel and Volkswagen. 14 sides Ø 74mm</p>

<p>TC59946</p>		<p>TC59957,967</p>	
<p>CV Boot Clamp Pliers * For axle collar clamps on passenger cars, e.g. on VW-AUDI, OPEL, BMW, MERCEDES-BENZ, HONDA, NISSAN, MAZDA * With lug holding-down device. * Special Steel. * Surface nickel-plated.</p>		<p>BMW Self Adjusting Clutch Fixture & Centering Tool Use to install and set all self adjusting clutches (SAC). Use to reset and center the centering ring on self adjusting clutch. •Applicable: BMW E34, E36, E38, E39, E46, E52, E53, E85, Z3.</p>	

BMW

<p>TC59973</p>  <p>Stretch Belt Tool Kit</p> <ul style="list-style-type: none"> - Kit for mounting and dismantling the stretch belts without damaging pulleys and belts. - Fast, easy and correct belt replacement. - Large field of work through different mounting and dismantling tools. <p>For: BMW, Cadillac, Chevrolet, Chrysler, Citroen, Fiat, Ford, GMC, Isuzu, Iveco, Lancia, Lincoln, Mazda, Mercedes, Peugeot, Volvo, etc.</p> <p>Mounting</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>1</td><td>Belt Installer</td><td>(ø 32 mm)</td></tr> <tr><td>2</td><td>Belt Installer</td><td>(ø 45 mm)</td></tr> <tr><td>3</td><td>Belt Installer</td><td>(ø 50 mm)</td></tr> <tr><td>5.1</td><td>Screw</td><td>(M8x25, ø5.9mm)</td></tr> <tr><td>5.2</td><td>Screw</td><td>(M8x40, ø5.7mm)</td></tr> <tr><td>5.3</td><td>Screw</td><td>(M8x53, ø5.7mm)</td></tr> <tr><td>5.5</td><td>Screw</td><td>(M8x65, ø5.6mm - L = 32.5)</td></tr> </table> <p>Dismounting:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>4.1</td><td>Belt Remover</td><td></td></tr> <tr><td>4.2</td><td>Self Locking Nut</td><td></td></tr> <tr><td>4.3</td><td>Fixing Nut</td><td>(M8)</td></tr> <tr><td>5.4</td><td>Screw</td><td>(M8x65, ø5.6mm - L = 11.5)</td></tr> <tr><td>5.5</td><td>Screw</td><td>(M8x65, ø5.6mm - L = 32.5)</td></tr> </table> <div style="display: flex; justify-content: space-around; margin-top: 10px;">   </div>	1	Belt Installer	(ø 32 mm)	2	Belt Installer	(ø 45 mm)	3	Belt Installer	(ø 50 mm)	5.1	Screw	(M8x25, ø5.9mm)	5.2	Screw	(M8x40, ø5.7mm)	5.3	Screw	(M8x53, ø5.7mm)	5.5	Screw	(M8x65, ø5.6mm - L = 32.5)	4.1	Belt Remover		4.2	Self Locking Nut		4.3	Fixing Nut	(M8)	5.4	Screw	(M8x65, ø5.6mm - L = 11.5)	5.5	Screw	(M8x65, ø5.6mm - L = 32.5)
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<p>TC59987</p>	
<p>BMW Output Shaft Prybar - AWD Use to remove the output shaft from the front transaxle assembly on 4WD vehicles. •Applicable: BMW 525ix, X3, X5.</p>	

<p>TC59997A</p>	
<p>BMW Camber Adjuster Use this fixture to adjust the front camber on late model 3 series. •Applicable: BMW E38, E39, E46, E53, E65, E66, E67, E85, E87.</p>	

<p>TC59997B</p>	
<p>BMW Camber Adjusting Tool Use to adjust front camber. •Applicable: BMW E60, E61, E63, E64.</p>	

BMW

TC59140405,06,07



05 - Flat Head

06 - Cross head (1.3mm)

07 - Cross Head (1.8mm)

Screwdriver for Battery Screw Plug

- This tool is especially designed for loosening and tightening the plastic screw plug on the starter battery.
- Also suitable for the ventilating (locking) screw on the plastic radiator without the risk of damage, for example on BMW vehicles.
- Special length allows universal application in areas with restricted access.

TC59140405: Flat Head

TC59140406: Cross head (1.3mm)
TC59140407: Cross head (1.8mm)

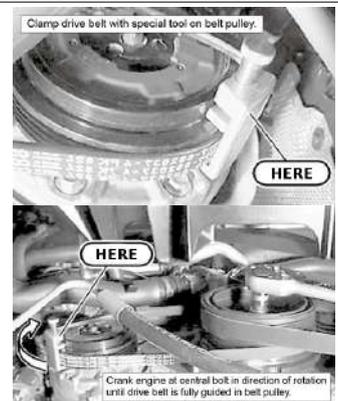


TC59140803



BMW/Mini Belt Installation Tool (N62/W17)

- Used for installing the drive belt that is a stretch belt and no belt tensioner is used.
- Applicable:
BMW N62 (V8) engine with the stretch belt.
Mini W17 (diesel) engine with the stretch belt.
- Comparable: BMW #641040 & #83800494518.



BMW

<p>TC59141135B</p>	<p>2012)</p>
	
<p>Fuel Tank Locking Ring Tool (BMW/Mini/Porsche)</p> <ul style="list-style-type: none"> - This tool is designed to remove and install the fuel tank locking ring. - OEM Ref. BMW #161020 - For BMW - E31/E34/E36/E38/E39/E46/E53/E60/E63/E64/E65/E83/E85/E90. (1988~2013) Mini - R50/R52/R53/R55/R56/R57. (1988~2013) Porsche - Boxster/Cayman (986). 911 Carrera / Turbo / GT2 / GT3 (997). (2005~ 	

<p>TD59300A</p>	
<p>8 PCs Special Socket Set Service: Mercedes, BMW, VW, GM, Audi, Ford, Honda, Mazda, Nissan, Mitsubishi, Toyota vehicles.</p>	

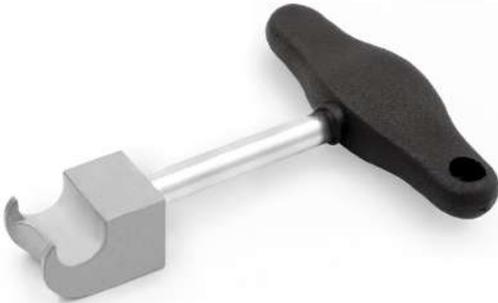
BMW

<p>TD59745</p>	
	
<p>Mercedes Benz Rear Wheel Bearing Remover & Installer This precision machined tool is used for removing and replacing the rear wheel bearing found on Mercedes Benz rear axles. This tool is also used for the installation of the rear axle flange. Suits Mercedes Benz models: W124, W201, W202, W208, W210. Bmw models: E30, E36, E46.</p>	

<p>TD59805</p>	
<p>Open-End Hexagon Socket for Lambda Probes with 1/2" Female Square Drive Universal application of the lambda probe e.g. on Ford, BMW, OPEL, VW-AUDI.</p>	

<p>TE5920</p>	<p>Mercedes & BMW Ignition Lock Set Complete kit for removal and installation for Mercedes and BMW motor vehicles. Stored in a plastic case. Includes: * 2 x Instrument cluster removal hooks for models: 107, 116, 123, 124, 126, 140 & 201. * 2 x Radio removal tools for 1992 and newer Mercedes vehicles Models: 140, 129, 202 & 210. * 2 x Ignition lock removal tools for models W124 & 201. * 2 x Ignition lock removal tools for models W124, 126 & 201. TE59A.B.C Tool Set</p>
	

BMW

<p>TE5920AB</p>	<p>Mercedes & BMW Ignition Lock Set Complete kit for removal and installation for Mercedes and BMW motor vehicles. Includes: * 2 x Instrument cluster removal hooks for models: 107, 116, 123, 124, 126, 140 & 201. * 2 x Ignition lock removal tools for models W124 & 201. * 2 x Ignition lock removal tools for models W124, 126 & 201.</p>
	<p>Hose Clamp Removal Tool * Universally designed for the loosening / opening of HENN clamps as found on coolant hoses / charge air hoses in passenger cars. * Suitable for VW-Audi, Seat, Skoda, BMW, Peugeot, Citroen, Dacia, Fiat, Ford, Kia, Lexus, Mazda, Mercedes, Nissan, Opel/Vauxhall, Porsche, Renault, Toyota, Volvo etc.</p>
<p>TF5916B22</p> 	<p>TF59663Z</p> <p>* Ford Transit 2.2/2.4/3.2</p> <p>32mm: * Vauxhall/Opel Astra-G / Corsa-B * Volkswagen Polo 1.2 / Transporter T5 1.9 * Audi A6 3.2 TSi V6 * Ford Transit 2.0/2.4 * Chevrolet HHR / Cobalt / Cobalt SS / Malibu / Cavalier / S10 / Malibu, Maxx * Saturn L-series / Ion / Vue * Pontiac G6 / Solstice / Sunfire / Grand AM * Oldsmobile Alero * GMC Sonoma * SAAB 9-3</p> <p>36mm: * Mercedes-Benz 220d / E220d / M604 / C250d / E250d / M605 / E300d / M606 MB / MB Transporter M616 116MB / 100 Transporter * BMW M52 3 Series / 5 Series M60 6cyl / 5/7/8 Series M73 12 cyl 7/8 Series * Vauxhall/Opel Vectra-B di 16v * Volkswagen Transporter T5 / Lupo 1.2 TDi / Touareg TDi</p> <p>38mm: * Vauxhall/Opel Astra Zafira 2.0/2.2 dti</p> <p>Oil Filter Offset Wrench Set (5 pcs) Features: * 24mm / 27mm / 32mm / 36mm / 38mm with 3/8" square driver. * Low profile design with offset drive. * Special design for tight confined areas. * For oil filters where access is limited.</p> <p>24mm: * BMW N62 5/7 Series</p> <p>27mm: * Mercedes-Benz A Class * Ford Fiesta 1.4/1.6 TDCi * Renault 1.5/1.9/2.2/2.5dci * BMW Mini</p>
	

BMW

<p>TF5917808Z</p>	<p>Wheel Stud Pilot Pin Set * To easily remove and install the wheel on many vehicles. * The wheel stud pilot pin allows you to hang the wheel without having to balance the wheel on the small lip of the hub .</p> <p>Application: M12 x P1.25: Alfa Romeo, Chrysler, Dodge and Fiat. M12 x P1.5: Audi, Alfa Romeo, BMW, Mercedes, Mini, Porsche, Vauxhall, Volvo and VW. M14 x P1.25: BMW and Mini. M14 x P1.5: Audi, BMW, Citroen, Chrysler, Ferrari, Fiat, Ford, GM, Hyundai, Land Rover, Lamborghini, Opel, Mercedes, Peugeot, Porsche, Renault, Rover, Saab, Seat, Skoda, Vauxhall, Volvo, and VW.</p>
	<p>BMW Line Disconnect Tool The New Design of the BMW 5346 Also Covers the Transmission Cooler Line</p> <p>Power Steering and Transmission Line Disconnect Tool for 1999-2005 BMW 3-Series and X5 Made of Red-Anodized Aluminum</p> 
<p>TF5940100A</p>	<p>BMW Line Disconnect Tool The New Design of the BMW 5346 Also Covers the Transmission Cooler Line</p> <p>Power Steering and Transmission Line Disconnect Tool for 2006-2011 BMW 3-Series and 2006-2009 X3(E90 & E83). Made of Red-Anodized Aluminum</p> 
	<p>SCR / Fuel Tank Locking Ring Tool (VAG group / BMW) VAG group * This tool is designed to remove and install the SCR Tank locking ring. * For 6-cylinder 3.0L 4V TDI common rail engine Audi A6 2011>, A7 Sportback 2011>, A8 2010> * OEM Ref. T40268</p> <p>BMW * This tool is designed to remove and install the Fuel Tank locking ring. * For BMW F01 / F02 / F25 * OEM Ref.: 161190</p>
	

BMW

TF59151009	 <p>2 in 1 Design</p> <p>Brake pad</p> <p>Tire tread</p>
<p>Tire Tread Depth & Brake Pad Thickness Gauge Used for measuring thickness of brake pad and depth of tire tread.</p> <p>OEM Ref: T40139A (VW) / 341260 (BMW) / 211589062300 (Benz)</p>	

TF59160909	<p>Radiator / Coolant Cap Wrench (BMW)</p> <ul style="list-style-type: none"> * Can be used to loosen stubborn caps on radiators and reservoirs. * Especially suitable for use in tight spaces. * Works on BMW vehicles: <p>E60, E61, E63, E64, E70, E71, E72, E81, E82, E84, E87, E88, E89, E90, E91, E92, E93. F01, F02, F03, F04, F06, F07, F10, F11, F12, F13, F15, F16, F18, F20, F21, F25, F26, F30, F31, F32, F33, F34, F35, F36, F80, F82, F83, F85, F86</p>
	

MERCEDES



TB592030C

Mercedes Benz Ball Joint Remover/Installer
 * For removing and installing the ball joint into the steering knuckle.
 * Applicable: W220



TB592030D

Benz Ball Joint Remover/Installer



TB592030G

BENZ (W220/W211/W230) Ball-Joint Installer/ Remover(Tools, Repair Tools, Auto Tools)
 *On car maintenance.
 *Special design to remove & install the ball joint without removing any parts.
 *Applicable: Benz W220/W211/W230



TB592030H

Mercedes Benz Ball Joint Tool Kit

8 pcs tool kit for servicing (installation and removal) of the specified ball joints in the Mercedes suspensions without removing arms or spindle.

A. Front suspension ball joint press fixtures for W211/W215/W219/W220/W(R)230 chassis.
 B. Front sway bar ball joint (pressed into control arm) press fixtures for W211/W219/

W220.

Application: Mercedes Benz W163/W164/ W211/W215/W219/W220/W(R)230

W211	2003-2009	E class
W215	2002-2006	CL class
W219	2006 and newer	CLS class
W220	2000-2006	S class
W(R)230	2003-2008	SL class





MERCEDES

TB592030I	Application: Mercedes Benz W163/W164/W211/W215/W219/W220/W(R)230		
	W163	1998-2005	M class
	W164	2006 and newer	M class
	W211	2003-2009	E class
	W215	2002-2006	CL class
	W219	2006 and newer	CLS class
	W220	2000-2006	S class
	W(R)230	2003-2008	SL class

Mercedes Benz Ball Joint Tool Master Kit

10 pcs tool kit for servicing (installation and removal) of the specified ball joints in the Mercedes suspensions without removing arms or spindle.

- A. Front suspension ball joint press fixtures for W211/W215/W219/W220/W(R)230 chassis.
- B. Front sway bar ball joint (pressed into control arm) press fixtures for W211/W219/W220.
- C. Front & rear suspension ball joint press fixtures for W163/W164 chassis.
- D. Ball joint socket for servicing front & rear ball joint on W163/W164 chassis.



TB593500-10	<h3>10Pc. Radio Removal Tool Set</h3> <p>Set includes the following tools needed to install and remove radios:</p> <ul style="list-style-type: none"> * 2pc. Din Radio Removal U-Hooks (Ford/VW/Audi) * 1pc. Special Pentagon Wrench (BMW) * 2pc. Radio Removal Keys (New VW Beetle/Audi) * 2pc. Radio Removal Keys (Mercedes Benz) * 2pc. Radio Removal Keys (VW) * 1pc. Allen Hex Wrench (BMW)

TB593500-18	<h3>18Pc. Radio Removal Tool Set</h3> <p>Set includes the following tools needed to install and remove radios:</p> <ul style="list-style-type: none"> * 4pc. Radio Removal Keys (New VW Beetle/Audi) * 2pc. Radio Removal Keys (Mercedes Benz) * 2pc. Radio Removal Keys (VW) * 2pc. Radio Removal Keys (New Skoda) * 2pc. Radio Removal Keys (New Becker) * 2pc. Din Radio Removal U-Hooks (New Blaupunkt) * 1pc. Allen Hex Wrench (BMW) * 2pc. Din Radio Removal U-Hooks (Ford/VW/Audi) * 1pc. Special Pentagon Wrench (BMW)

MERCEDES

<p>TB593500-18A</p>	<p>18Pc. Radio Removal Tool Set Set includes the following tools needed to install and remove radios: * 4pc. Radio Removal Keys (New VW Beetle/Audi) * 2pc. Radio Removal Keys (Mercedes Benz) * 2pc. Radio Removal Keys (VW) * 2pc. Radio Removal Keys (New Skoda) * 2pc. Radio Removal Keys (New Becker) * 2pc. Din Radio Removal U-Hooks (New Blaupunkt) * 1pc. Allen Hex Wrench (BMW) * 2pc. Din Radio Removal U-Hooks (Ford/VW/Audi) * 1pc. Special Pentagon Wrench (BMW)</p>																								
	<p>20Pc. Radio Removal Tool Set Set includes the following tools needed to install and remove radios: * 4pc. Radio Removal Keys (New VW Beetle/Audi) * 2pc. Radio Removal Keys (Mercedes Benz) * 2pc. Radio Removal Keys (VW) * 2pc. Radio Removal Keys (New Skoda) * 2pc. Radio Removal Keys (New Becker) * 2pc. Radio Removal Keys (Pioneer) * 2pc. Din Radio Removal U-Hooks (New Blaupunkt) * 1pc. Allen Hex Wrench (BMW) * 2pc. Din Radio Removal U-Hooks (Ford/VW/Audi) * 1pc. Special Pentagon Wrench (BMW)</p>																								
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MERCEDES

<p>TB597700</p>	<p>Front Coil Spring Compressor Kit Suits: Mercedes Benz Models: W116, W123, W124, W126, W129, W140, W170, W201, W202, W210, GM, Opel, Peugeot, Rover, Saab, Volvo, VW T2, Ford Taurus, Hyundai, Mitsubishi Lada, Skoda, etc. Features extra strong Trapezoid thread on center screw. Supplied in blow mold storage case. Maximum Capacity: 5-1/2"(140mm) Spring diameter Overall Length: 13-3/8"(340mm)</p>
	<p>Crankshaft Pulley Holder(Equilateral Triangle) Break loose the crank shaft pulley / harmonic balancer bolt. Designed to properly secure the pulley from rotating during R & R of crank bolt. Counter Holder Tool / Harmonic Balancer holder for the front crankshaft pulley Mercedes M112 and M113. This tool was redesigned to fit both versions of the Mercedes-Benz pulley. 112,113,E320,ML320,CLK320,E430,ML430,C320,C43,E55 etc... C-class from 1998-2005 with V-6 or V-8 engine. E-class from 1998-2005 with V-6 or V-8 engine. SLK-class from 1998-2005 with V-6 engine. CLK-class from 1998-2005 with V-6 or V-8 engine. ML-class from 1998-2005 with V-6 or V-8 engine. SL-class from 1999-2006 with V-8 engine. S-class from 2000-2005 with V-8 engine. G-class from 2002-2007 with V-8 engine.</p>
	<p>Antenna Wrench & Radio Service Set Set includes: * Universal Antenna Wrench * GM Code Retriever * Chrysler Radio Removal Socket * Ford Radio Removal Lock Pin Set * 1/4" Hex Bit Holder Socket * 1/4" Hex Torx Bits: T10 & T15 * 1/4" Hex Tamper Torx Bits: T7, T10, & T15 * BMW models with anti-theft radio. * Audi A4, A6, A8 and VW New Beetle. * For 1992 & newer Mercedes 129, 140, 163, 202, and 210 models. * For VW New Body Style Passat, Jetta and Golf.</p>
	<p>Double-Ring Shaped Counterholder For counterholding when operating the bottom strut unit screws on MERCEDES-BENZ type 169 (A-class) • Especially adapted to the limited space • Very helpful for installation or removal works, measurements /adjusting work. Additional counterholding with a second hand (with a second mechanic) and another tool is not necessary • 2 x 21 mm 12-point profile • Dimensions (L x W): 90 x 30 mm • Thickness: 8 mm</p>
	

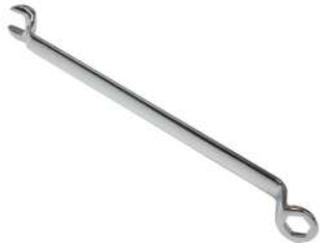
MERCEDES

<p>TC59019A</p>	<p>Injector Nozzle Puller Mercedes CDI Suitable for Mercedes CDI engine OM 668 e.g . A-Class The injector nozzle puller makes it possible to remove even nozzles that are a very tight fit in the cylinder head, without the cylinder head having to be removed from the engine.</p>
	<p>Puller for Sealing Ring For use on sealing rings with internal diameter 4 - 16 mm, e.g. injector nozzle sealing rings on Mercedes CDI engines. The puller extracts the sealing rings correctly, for example from between the injector nozzle and the cylinder head. To pull out the sealing ring, screw the taper point of the tool into it, then remove with the impact-type puller. length: 36.5*5.5*5cm</p>
	<p>Injector Extractor For removing seized or stuck Common Rail injectors without having to disassemble the cylinder head. Applicable for MERCEDES-BENZ CDI engines 611, 612, 613, etc. • Especially suited to the limited spaces due to the cylinder head cover. Contents: 1 Impact Extractor 1 Injector Claw 1 External Adapter-With internal threads. In conjunction with Impact Extractor. 1 Slide Hammer</p>
	<p>Injector Nozzle Puller With Slide Hammer Injector nozzles that do not fit very tightly can be pulled out without needing to take them apart or remove the cylinder block. The puller is additionally supported by the steel ball on the valve cover, which prevents the puller from tipping during the removal process. Applicable for Mercedes-Benz CDI engines OM 611/612/613</p>
	

MERCEDES

<p>TC59047A-A</p>	 <p>Injector Nozzle Puller With Slide Hammer Injector nozzles that do not fit very tightly can be pulled out without needing to take them apart or remove the cylinder block. The puller is additionally supported by the steel ball on the valve cover, which prevents the puller from tipping during the removal process. Applicable for Mercedes-Benz CDI engines OM 611/612/613</p>		
<p>TC59047B-M13</p>	 <p>Injector Extractor For removing seized or stuck Common Rail injectors without having to disassemble the cylinder head. Applicable for MERCEDES-BENZ CDI engines 611, 612, 613, etc. • Especially suited to the limited spaces due to the cylinder head cover Contents: 1 Impact Extractor 1 Injector Claw 1 External Adapter-With internal threads. In conjunction with Impact Extractor.</p>		
<p>TC59047C</p>		<p>TC59047D -06</p>	
<p>Injector Puller Set Mercedes CDi This six piece puller set has been especially designed for removing stubborn injectors on Mercedes Benz vehicles fitted with CDi engines. Packed in a blow moulded case.</p>		<p>Part for Injector Nozzle Tool Set Mercedes CDI Engine</p>	
<p>TC59047D -07</p>			
<p>Thread tap with drill-bit tip Applicable e.g. for Mercedes CDI engines OM 611, 612, 613, etc. For recutting and cleaning the tapped hole to retain the injector nozzle holder. Important:</p>			

MERCEDES

<p>TC59047D-0202</p>	<p>Milling tool for mounting hole and injector nozzle seat Applicable for Mercedes CDI engines OM611, 612, 613 and Smart R660. In a single machining operation, the specially shaped milling cutter produces a clean finish on the injector mounting hole, the nozzle seat and the small aperture leading to the combustion chamber. Important before assembly to prevent the risk of leaks between the cylinder head and the injector.</p>
	<p>Shock Absorber Screwing Pin Wrench For the operation of the upper shock absorberscrewing on MERCEDES-BENZ, type 211 T-model rear (E-class station wagon)</p> <ul style="list-style-type: none"> • The recess in the front part of the pin wrench provides access to the piston rod and allows the direct application of an operating tool • Plastic coated blade prevents damage • Operation with 3 front pins, Ø 8 mm • Length: 230 mm
	<p>Shock Absorber Toothed Socket</p> <ul style="list-style-type: none"> • Suitable for Mercedes W211 T-Model rear axle. • Necessary to loosen and tighten the connecting rod clamp nut. • During loosening the rod clamp nut the upper lock washer is counterheld by means of the toothed socket TC59229. • Drive: 3/8"
	<p>TC59080-17</p>  <p>Spark Plug Boot Puller Wrench Engine. Application: Benz V6 TC59080-17 17mm</p>

MERCEDES

<p>TC59146A</p>	<p>26PC. Universal Radio Removal Kit & Antenna Wrench Kit</p> <ul style="list-style-type: none"> * 4pc. Radio Removal Keys (New VW Beetle/Audi) * 2pc. Radio Removal Keys (Mercedes Benz) * 2pc. Radio Removal Keys (VW) * 2pc. Radio Removal Keys (New Skoda) * 2pc. Radio Removal Keys (New Becker) * 2pc. Din Radio Removal U-Hooks (New Blaupunkt) * 1pc. Allen Hex Wrench (BMW) * 2pc. Din Radio Removal U-Hooks (Ford/VW/Audi) * 1pc. Special Pentagon Wrench (BMW) * 7pc. Special Socket Set * 1pc. Chrysler Radio Removal Socket
	<p>Relay Pliers</p> <ul style="list-style-type: none"> • For safe installing and removing of relays, even small ones, e.g. on OPEL, FORD, MAZDA, CHRYSLER, NISSAN, VW passenger cars, MERCEDES-BENZ, MAN, IVECO commercial vehicles • Jaws made of special steel • Pliers with solid plastic body • DBGM - German registered utility model <p>Material: Steel</p>
<p>TC59199A</p> 	<p>TC59199D</p>  <p>Hose Clamp Pliers</p> <p>. For progressively adjustable clamps without lug holding-down device, e.g. for axle boots on VW-AUDI, MERCEDES-BENZ and TOYOTA</p>

MERCEDES

TC59199E	<p>Incandescent Gripper</p> <ul style="list-style-type: none"> • Special pliers for installation and removal of light bulbs with glass base e.g. Light bulb in the blower switch to VW Passat since 1996, SEAT León Bulb in the air recirculation switch to OPEL Astra F, MERCEDES-BENZ passenger cars and RENAULT • Tip: special steel with plastic sleeves • Pliers: All-plastic body <p>Material: 6150&POM;</p>	
		

TC59207-09	<p>Assembly Tool</p> <ul style="list-style-type: none"> • For installing and removing the draw spring of hand brake shoes, e.g. on MERCEDES-BENZ passenger cars with rear disc brakes as well as on VW LT since 1997 • Hook with T-Handle • Special steel • Surface chrome-plated
	

TC59207-10		TC59258A	
<p>Brake Spring Installer</p> <ul style="list-style-type: none"> • For pressure spring of packing brake. • Applicable: all Mercedes models. 		<p>Straight Socket 22mm hex Application: VW-Audi, BMW, Mercedes, Ford, Opel/Vauxhall, Peugeot, Citroën, Renault, Seat, Skoda, Japanese cars, etc. 6*12-point: 22mm Length: 250mm Weight: 450g</p>	

MERCEDES

<p>TC59258A -1</p>		<p>TC59258B</p>	
<p>Straight Socket 22mm hex Application: VW-Audi, BMW, Mercedes, Ford, Opel/Vauxhall, Peugeot, Citroën, Renault, Seat, Skoda, Japanese cars, etc. 12*12-point: 22mm Length: 250mm Weight: 450g</p>		<p>Angled Socket 22mm hex Skoda, Japanese cars, etc. Application: VW-Audi, BMW, Angle bent at 30o Mercedes, Ford, Opel/Vauxhall, 6*12-point: 22mm Peugeot, Citroën, Renault, Seat, Length: 250mm Weight: 450g</p>	
<p>TC59258B -1</p>			
<p>Angled Socket 22mm hex Skoda, Japanese cars, etc. Application: VW-Audi, BMW, Angle bent at 30o Mercedes, Ford, Opel/Vauxhall, 12*12-point: 22mm Peugeot, Citroën, Renault, Seat, Length: 250mm Weight: 450g</p>			
<p>TC59258B-1_970</p>		<p>Angled Socket 22mm hex Application: VW-Audi, BMW, Mercedes, Ford, Opel/Vauxhall, Peugeot, Citroën, Renault, Seat, Skoda, Japanese cars, etc. Angle bent at 30o 12*12-point: 22mm Length: 250mm Oxygen Sensor Wrench Needed for servicing today's computer-controlled vehicle systems. Easily removes the oxygen sensor located in the exhaust manifold. Heat treated cast steel. Has 7/8" hex, 1/2" square drive (double square for easy access).</p>	
			

MERCEDES

TC59309	Slide the connector forwards with the Pliers. Length: 240 mm
	
<p>Fuel Line Pliers Suitable for VW-Audi, Fiat, GM, Opel, Mercedes etc. e.g. Mercedes M-Class with Petrol engines. For removal and replacement of the connections on the in-line Fuel Filter. Required when replacing the Fuel Filter or during engine repairs. Removal of Connector: Pull the connector backwards with the Pliers . Replacing the Connector:</p>	

TC59316	
<p>Oil and Diesel Oil Filter Wrench 14 sides Ø: 74mm H: 68mm Application: Toyota/Lexus, VW-Audi, Ford, BMW, Opel, Mercedes-Benz, Peugeot, Citroen, Renault, Mazda, etc...</p>	

TC59317A	<p>Pulley-Extractor and Reaction Tool</p>
	<p>Universal application : VW-Audi, Seat, Škoda, Opel/Vauxhall Ford, BMW, Mercedes, Peugeot, Citroën, Renault, Fiat, Japanese vehicles, etc. Loosen the retaining bolt and extract the Pulley. Suitable for all Pulleys with holes with a PCD Ø from 70 mm - 100 mm. Suitable for hole Ø from minimum 20 mm. To lock the Pulley while loosening or tightening the retaining bolt, as well as preventing the Pulley from rotating during extraction. Any available ½" ratchet or extension drive may be used as the reaction tool. Consists of: * 1 x Puller Plate * 3 x Hook Ø 20 mm * 3 x Hook Ø 26 mm * 3 x Shoulder Nut M10 * 1 x Pressure-Unit</p>

MERCEDES

<p>TC59317A-HM</p>	<p>Pulley-Extractor and Reaction Tool Universal application : VW-Audi, Seat, Škoda, Opel/Vauxhall Ford, BMW, Mercedes, Peugeot, Citroën, Renault, Fiat, Japanese vehicles, etc. Loosen the retaining bolt and extract the Pulley. Suitable for all Pulleys with holes with a PCD Ø from 70 mm - 100 mm. Suitable for hole Ø from minimum 20 mm. To lock the Pulley while loosening or tightening the retaining bolt, as well as preventing the Pulley from rotating during extraction. Any available ½" ratchet or extension drive may be used as the reaction tool. Consists of: * 1 x Puller Plate * 3 x Hook Ø 20 mm * 3 x Hook Ø 26 mm * 3 x Shoulder Nut M10 * 1 x Pressure-Unit * 1x Hammer (L=495mm)</p>
<p>TC59317B</p> 	<p>Pulley-Extractor and Reaction Tool As TC59317A Pulley-Extractor and Reaction Tool but with 2 Hooks Ø- 26 mm and 2 Hexagonal Nuts . Suitable for VW-Audi, Seat, Škoda, Opel/Vauxhall Ford, BMW, Mercedes, Peugeot, Citroën, Renault, Fiat, Japanese vehicles, etc. Consists of: * 1 x Puller Plate * 2 x Hook Ø 26 mm * 2 x Shoulder Nut M10 * 1 x Pressure-Unit</p>
<p>TC59317C</p> 	<p>TC59317D</p> 
<p>Reaction Tool Applicable for Mercedes Motor z.B. M112, M113 and OM642, etc. For counter-holding the crankshaft belt pulley when screwing and unscrewing the central crankshaft bolt.</p>	<p>Puller Set Suitable for : VW-Audi, Alfa Romeo, BMW, Citroën, Fiat Ford, Mazda, Mercedes, Opel, Porsche, Renault, Seat, Škoda, etc.</p>
<p>TC59317D (SET)</p> 	
<p>Puller Set & Slide Hammer Suitable for : VW-Audi, Alfa Romeo, BMW, Citroën, Fiat Ford, Mazda, Mercedes, Opel, Porsche, Renault, Seat, Škoda, etc.</p>	

MERCEDES

<p>TC59317D-HM</p>	<p>Slide Hammer</p>
	<p>Weight: 4.8 kg</p> <p>Suitable for : VW-Audi, Alfa Romeo, BMW, Citroën, Fiat Ford, Mazda, Mercedes, Opel, Porsche, Renault, Seat, Škoda, etc.</p>
<p>TC59388</p>	<p>Self Adjusting Clutch Assemble Tool</p>
	<p>For removal and installation of self adjusting clutches fitted to BMW/VAG/Mercedes/Volvo/ Renault/Vauxhall/Opel.</p> <p>The tool allows the clutch pressure plate to be pretension prior to removal and installation, avoiding distortion to the plate. The tool also allows the clutch plate to be centred accurately on the guide bearing or pressure plate and the adjusting ring rewound.</p> <ul style="list-style-type: none"> ·Material : Aluminum.
<p>TC59388-30</p>	<p>Complete Kit For Assembling And Disassembly Of Self Adjusting Clutches</p>
	<p>(3 hole pitch)</p> <p>Suitable for most Self Adjusting Clutches SAC(3 holes) equipped on vehicles of FIAT GROUP, VW-AUDI, BMW, MERCEDES, VOLVO, OPEL, RENAULT etc.</p> <p>Allows operations on clutch equipped with this device in order to prevent any damage to system and to keep adapter ring in right position.</p> <p>Advantages :</p> <ul style="list-style-type: none"> ·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 : Aluminum.
<p>TC59388-30A</p>	<p>Complete Kit For Assembling And Disassembly Of Self Adjusting Clutches</p>
	<p>(3 hole pitch)</p> <p>Suitable for most Self Adjusting Clutches SAC(3 holes) equipped on vehicles of FIAT GROUP, VW-AUDI, BMW, MERCEDES, VOLVO, OPEL, RENAULT etc.</p> <p>Allows operations on clutch equipped with this device in order to prevent any damage to system and to keep adapter ring in right position.</p> <p>Advantages :</p> <ul style="list-style-type: none"> ·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.

MERCEDES

<p>TC59388-40</p>	<p>Complete Kit For Assembling And Disassembly Of Self Adjusting Clutches (4 hole pitch) Suitable for most Self Adjusting Clutches SAC(4 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 : Aluminum.</p>
	
<p>TC59388-40A</p>	<p>Complete Kit For Assembling And Disassembly Of Self Adjusting Clutches (4 hole pitch) Suitable for most Self Adjusting Clutches SAC(4 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.</p>
	
<p>TC59388-3040</p>	<p>Complete Kit For Assembling And Disassembly Of Self Adjusting Clutches (3 and 4 hole pitch) Suitable for most Self Adjusting Clutches SAC(3 and 4 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 : Aluminum.</p>
	
<p>TC59388-3040A</p>	<p>Complete Kit For Assembling And Disassembly Of Self Adjusting Clutches (3 and 4 hole pitch) Suitable for most Self Adjusting Clutches SAC(3 and 4 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.</p>
	

MERCEDES

<p>TC59388-ST</p>	<p>Self Adjusting Clutch Assemble Tool For removal and installation of self adjusting clutches fitted to BMW/VAG/Mercedes/Volvo/ Renault/Vauxhall/Opel. The tool allows the clutch pressure plate to be pretension prior to removal and installation, avoiding distortion to the plate. The tool also allows the clutch plate to be centred accurately on the guide bearing or pressure plate and the adjusting ring rewound. ·Material : Steel.</p>									
	<p>TC59388E</p> <p>SAC Clutch Tool Master Kit</p> <ul style="list-style-type: none"> - This kit allows the professional dismounting and mounting of all self adjusting clutches (SAC) e.g. on VW, Audi, BMW, Ford, Mercedes-Benz, Opel, Renault, Volvo, etc. - During assembling and disassembling operations the pre-tightening of the pressure plate is required in order to avoid clutch deformation. - The 6-arms plate has been designed for use with 3 and 4 fixing points, for clutches with 6 or 8 locking holes. <table border="1"> <tr> <td>1. Clamping tool for SAC clutches with 6(8) locking holes</td> </tr> <tr> <td>2. Face spanner</td> </tr> <tr> <td>3. Compression strut</td> </tr> <tr> <td>4. Clutch mandrel set (BMW) (a) 15mm x 23mm (b) 15mm x 26.5mm (c) 15mm x 28mm (d) 15mm x 32.5mm (e) 15mm x 34mm (f) Centering sleeve (15mm / 32.5mm)</td> </tr> <tr> <td>5. Clutch resetting tool</td> </tr> <tr> <td>6. Handle for clamping tool (2pcs)</td> </tr> <tr> <td>7. Clutch centering tools (a) Blue: 19.75mm diameter (b) Pink: 20.75mm diameter (c) Black stepped: 19mm/15mm/14mm (d) Black stepped: 22mm/20mm/15mm(VW)</td> </tr> <tr> <td>8. Knurled nuts for threaded bolts (4 pcs)</td> </tr> <tr> <td>9. 3 sets of 4 threaded bolts (a) Silver: M6 / 1.0 screw thread (b) Black: M8 / 1.25 screw thread (c) Gold: M7 / 1.0 screw thread</td> </tr> </table>  	1. Clamping tool for SAC clutches with 6(8) locking holes	2. Face spanner	3. Compression strut	4. Clutch mandrel set (BMW) (a) 15mm x 23mm (b) 15mm x 26.5mm (c) 15mm x 28mm (d) 15mm x 32.5mm (e) 15mm x 34mm (f) Centering sleeve (15mm / 32.5mm)	5. Clutch resetting tool	6. Handle for clamping tool (2pcs)	7. Clutch centering tools (a) Blue: 19.75mm diameter (b) Pink: 20.75mm diameter (c) Black stepped: 19mm/15mm/14mm (d) Black stepped: 22mm/20mm/15mm(VW)	8. Knurled nuts for threaded bolts (4 pcs)	9. 3 sets of 4 threaded bolts (a) Silver: M6 / 1.0 screw thread (b) Black: M8 / 1.25 screw thread (c) Gold: M7 / 1.0 screw thread
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MERCEDES

<p>TC59433B</p>	<p>Stretch Belt Installation Tools Quickly and easily install stretch belt found on many late model vehicles. These drive systems do not have a tensioner and require the proper installation tools to avoid damage to belts.</p> <p>Applications : BMW, Volvo, Mercedes, Mazda</p>
	
<p>TC59437B</p>	
<p>Oil Pan Repair Master Set *Feature: Solid and fast solution for the repair of defective oil drain screw thread without the expensive replacement of the sump. *Application: The damaged thread is simply to tap away to the next size expands. Oil drain screw in part with Allen drive for oil pans with recessed drain opening suitable. *Universal applications e.g. for: Audi, BMW, Citroen, Daimler-Benz, Ford, Fiat, Honda, Mazda, Mitsubishi, Nissan, Opel, Peugeot, Porsche, Renault, Saab, Seat, Skoda, Toyota, Volvo, VW etc. *Scope of supply: complete with 1 / 3 foam insert in the plastic case. Replacement oil drain screw and aluminum seals are available. *Consisting of: 1—Special Taps M13x1.5 1—Special Taps M15x1.5 1—Special Taps M17x1.5 1—Special Taps M20x1.5 5—Oil drain plug gasket with aluminum M13x1.5 external drive 6-kant SW17 5—Oil drain plug gasket with aluminum M15x1.5 external drive 6-kant SW19 5—Oil drain plug gasket with aluminum M17x1.5 inner drive 6-kant SW 8 5—Oil drain plug gasket with aluminum M20x1.5 inner drive 6-kant SW 10</p>	<p>TC59445</p> 
<p>8 PC. Door Hinge Remover & Installer Set Applicable: VW, Audi, Seat, Skoda, Mercedes, Renault. Bits size: M8, M10, M12, T30, T40, T45, T50</p>	<p>TC59445A</p> 
<p>Door Hinge Remover & Installer Set Applicable: VW, Audi, Seat, Skoda, Mercedes, Renault. Bits size: M8, M10, M12, T30, T40, T45, T50</p>	

MERCEDES

<p>TC59449</p>	<p>Brake Spring Pliers</p>	
	<p>- Suitable for Mercedes A-Class (e.g. A140), Citroen, Renault, Peugeot with Lucas drum brake on the rear axle. Also used on Land Rover, Ford, Honda, etc.</p> <p>- To remove or install the brake shoes, the brake shoe retaining spring must be pre-tensioned.</p> 	

<p>TC59467</p>	<p>- Moveable rests allow infinitely adjustment of the tool length and therefore an universal application for 1-12 cylinder engines</p>																
	<p>Press Piece</p> <table border="1"> <tr> <td>21mm</td> <td>Peugeot; Citroen HDI</td> </tr> <tr> <td>24mm</td> <td>VW/Audi; Seat; Smart & Opel</td> </tr> <tr> <td>25mm</td> <td>Hyundai</td> </tr> <tr> <td>28mm</td> <td>Toyota & Ford 16V</td> </tr> <tr> <td>32mm</td> <td>Opel & Peugeot</td> </tr> <tr> <td>34mm</td> <td>BMW; VW & Peugeot (diesel)</td> </tr> <tr> <td>35mm</td> <td>Renault; Mazda; Peugeot 106 & Mercedes M102/ M104</td> </tr> <tr> <td>42mm</td> <td>Ford</td> </tr> </table>	21mm	Peugeot; Citroen HDI	24mm	VW/Audi; Seat; Smart & Opel	25mm	Hyundai	28mm	Toyota & Ford 16V	32mm	Opel & Peugeot	34mm	BMW; VW & Peugeot (diesel)	35mm	Renault; Mazda; Peugeot 106 & Mercedes M102/ M104	42mm	Ford
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<p>Universal Valve Spring Compressor Tool Applicable for 1-12 cylinder engines -two up to four - valve technology, in-line-engines or V-engines.</p> <ul style="list-style-type: none"> - This tool permits renewal of valve-stem oil-seals with the cylinder head removed or cylinder head assembled. - The retaining flanges are rotatable, so that they may be affixed to the cylinder head lengthways, sideways, or diagonally. - The correct height of the supporting rod may be adjusted due to the adjustment spindles on the left and right side, to achieve the correct angle between handle and the pressure piece for compressing the valve-spring. 																	

MERCEDES



TC59467A

Universal Valve-Spring Compressor Tool
 1-Adaptor
 8-Valve Caps :
 Ø21-24-25-28-32-34-35-42MM

Press Piece

21mm	Peugeot; Citroen HDI
24mm	VW/Audi; Seat; Smart & Opel
25mm	Hyundai
28mm	Toyota & Ford 16V
32mm	Opel & Peugeot
34mm	BMW; VW & Peugeot (diesel)
35mm	Renault; Mazda; Peugeot 106 & Mercedes M102/ M104
42mm	Ford



TC59476

Driveshaft Tie Pliers
 Applicable on Audi, BMW, Chrysler, Ford, GM, Honda, Mazda, Mercedes, Nissan, Opel/Vauxhall, VW, etc.
 * For crimping driveshaft bellows ties.
 * Suitable for Oetiker fittings.



TC59497

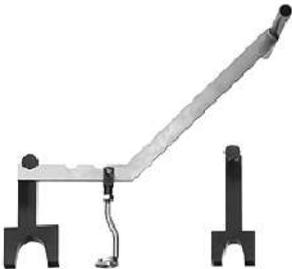
7Pc. Air Bag Removal Tool Kit
 A seven piece tool kit for removing air bags on Volkswagen/Audi, BMW and Mercedes.



12Pc. Universal Tool For Expanding Air Bag Set
 For the safe removal and installation of air-bag units in many popular cars

		Manufacturer	Model
A	Drivers Air Bag(x1)	Volkswagen	Passat, Jetta, Golf, Beetle, Bora
B	(x2)	Volkswagen, Audi, Skoda	Passat B5, Polo, Lupo, A4&A6, Superb
C	(x2)	Volkswagen, Seat, Skoda	Golf F4, New Beetle, Fabla, Octavia
D	(x1)	Volkswagen	Golf F4, Passat, Bora
E	(x1)	Volkswagen	Passat
F	T30(x2)	Audi, Opel, Renault, VW, BMW, Mercedes, Opel	
F	T25(x2)	BMW	
F	5MM(x1)	Audi	

MERCEDES

<p>TC59497A</p>	<p>Air Bag Release Tool Kit</p> <ul style="list-style-type: none"> • Use to remove the air bag module from the steering wheel . • Work on many GM, Ford and Mercedes Benz vehicles . • Applications: Ford 2000-2004 Taurus/Sable, 1999-2003 Windstar VanGM 1999-2005 Chevrolet Impala, Lumina, Monte Carlo, Venture, Pontiac Bonneville, Grand Prix, Montana, Buick LeSabre, Century, Regal, Olds Intrigue, Cadillac El Dorado, Deville, STS,SLS Mercedes Benz Models 107,123, 124, 126, 129, 140, 163, 164, 170, 201, 202, 203, 208, 209, 210, 211, 215, 219, 220, 221 and 463.
	<p>Air Bag Release Tool Kit</p> <ul style="list-style-type: none"> • Use to remove the air bag module from the steering wheel . • Work on many GM, Ford and Mercedes Benz vehicles . • Applications: Ford 2000-2004 Taurus/Sable, 1999-2003 Windstar VanGM 1999-2005 Chevrolet Impala, Lumina, Monte Carlo, Venture, Pontiac Bonneville, Grand Prix, Montana, Buick LeSabre, Century, Regal, Olds Intrigue, Cadillac El Dorado, Deville, STS,SLS Mercedes Benz Models 107,123, 124, 126, 129, 140, 163, 164, 170, 201, 202, 203, 208, 209, 210, 211, 215, 219, 220, 221 and 463.
<p>TC59497A-3</p> 	<p>Air Bag Release Tool Kit</p> <ul style="list-style-type: none"> • Use to remove the air bag module from the steering wheel . • Work on many GM, Ford and Mercedes Benz vehicles . • Applications: Ford 2000-2004 Taurus/Sable, 1999-2003 Windstar VanGM 1999-2005 Chevrolet Impala, Lumina, Monte Carlo, Venture, Pontiac Bonneville, Grand Prix, Montana, Buick LeSabre, Century, Regal, Olds Intrigue, Cadillac El Dorado, Deville, STS,SLS Mercedes Benz Models 107,123, 124, 126, 129, 140, 163, 164, 170, 201, 202, 203, 208, 209, 210, 211, 215, 219, 220, 221 and 463.
<p>TC59499A</p> 	<p>TC59548</p> 
<p>Valve Spring Compressor For Mercedes engines M102 and M103 with single camshaft to change the valve seal without removing the cylinder head. The tool does not apply to model 190 E 2.3-16</p>	<p>Glow-Plug Connector Pliers(straight) To remove stubborn and awkward to reach Glow-Plug connectors, found on the latest generation of engines. e.g. Mercedes, BMW, VW-Audi etc.</p>
<p>TC59509</p> 	<p>Cylinder liner puller with support brace Wet heavy-vehicle (e.g. Daimler Benz, MAN) cylinder liners, automobile and stationary-engine liners, and other parts may be extracted using this puller. Operation: The spindle of the support brace is screwed into the clamping nut of the puller, and the puller inserted into the liner. The support brace is placed on to the cylinder block. Due to the newlydeveloped spreading system, when the spindle is turned, all three jaws spread quickly and without difficulty, until they are firmly seated beneath the edge of the liner. Then the nut of the support brace is tightened. Suitable for Cylinder liners with Ø 60 - 160 mm</p>

MERCEDES

TC59558



Glow-Plug Connector Pliers(angled)

To remove stubborn and awkward to reach Glow-Plug connectors , found on the latest generation of engines.

e.g. Mercedes, BMW, VW-Audi etc.

* Version angled at 90°

TC59593



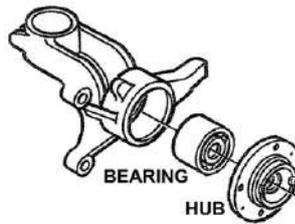
Wheel Hub and Bearing Master Kit

The TC59593 is the only equipment designed to accurately and efficiently Extract or Install Hubs and singular Wheel Bearings of spindle assemblies. It will tackle Front, Rear or All Wheel Drive vehicles with independent suspension and equipped with a solid roller ball bearing. The application is strictly for wheel assemblies where power is applied from the motor to the wheels, equipped with independent suspension and use a Singular Solid Roller Bearing at that wheel. It's unit on the market to "track arrow straight" when properly assembled on the vehicle under load. It tackles most front wheel drive Asian, European, and some Domestic vehicles and within its exclusive design the only unit to tackle Rear wheel drive European vehicles.

Applicable:

Rear Wheel Drive = BMW, Mercedes, Porsche.

Front Wheel Drive =
 European - VW, Audi.
 American - Chrysler, Ford, Saturn
 Asian - Toyota / Lexus, Nissan / Infiniti, Honda / Acura,
 Mazda, Hyundai / Kia



TC59607A



Hose Clip Pliers

With locking ratchet
 (German Utility Model)

For removal and replacement of Fuel-lines, Oil-lines, Radiators Hoses and Heater Hoses fitted with space-saving, re-usable, self-clamping spring hose clips. Special design ensures that the compressed clips are safely and securely retained.

For Alfa Romeo, Citroën, Fiat, Ford, Hyundai, Lancia, Mercedes, Opel/Vauxhall, Peugeot, Porsche, Renault, Seat, Skoda, Toyota, Volvo, etc. especially for the new Clips on fuel-lines on VW-Audi.

Following makes of Hose Clips require these Pliers: Norma , ABA (AWAB), MIKALOR and MUBEA etc.

MERCEDES

<p>TC59619</p>	
<p>Mounting tool compact bearing</p> <p>Universal tool for mounting the new type of compact wheel bearings, with or without locking ring. It's adjustable to fit future bearing sizes and all current VW Lupo, Polo, Transporter 5, Touareg, Audi A2, Seat Cordoba, and Skoda Fabia. Volvo V50/S40, V70/S80 and XC60. Ford Focus, C max, Mondeo, S-Max and Kuga. Mazda 3, 5, 6 and CX-7. Landrover Freelander 2. Mercedes Vito and Sprinter. Mitsubishi Colt and Smart Forfour with this type of bearing.</p>	

<p>TC59633</p>	<p>Mounting Device for Timing Chain (For the 4-cylinder Mercedes petrol engine M111)</p> <p>The use of this mounting device allows a single mechanic to replace a timing chain quickly and without any trouble.</p> <p>Application: C 180/200/220/230 ; E 200/230 ; CLK 200/230; SLK 200/230 ; ML 230</p> <p>Advantages:</p> <ul style="list-style-type: none"> . Substantial time savings, only one mechanic required. . No risk of the timing chain falling or skipping a tooth. . Additional time savings on some vehicles where it is not necessary to remove the Radiator, Cooling Fan, etc.
	

MERCEDES

TC59663



Oil Filter Offset Wrench Set (5pcs)

Features:

- 24mm/27mm/32mm/36mm/38mm with 3/8" square driver
- Low profile design with offset drive.
- Special design for tight confined areas.
- For oil filters where access is limited.



Size	Brand	Model
24mm	BMW	N62 5/7 Series
27mm	Mercedes-Benz	A-Class
27mm	Ford	Fiesta 1.4/1.6 TDCi
27mm	Renault	1.5/1.9/2.2/2.5dci
27mm	BMW	Mini
27mm	Ford	Transit 2.2/2.4/3.2
32mm	Vauxhall/Opel	Astra-G/Corsa-B
32mm	Volkswagen	Polo 1.2/Transporter T5 1.9
32mm	Audi	A6 3.2 TSi V6
32mm	Ford	Transit 2.0/2.4
32mm	Chevrolet	HHR/Cobalt/Cobalt SS/Malibu/Cavalier/S10/Malibu, Maxx
32mm	Saturn	L-series/Ion/Vue
32mm	Pontiac	G6/Solstice/Sunfire/Grand AM
32mm	Oldsmobile	Alero
32mm	GMC	Sonoma
32mm	SAAB	9-3
36mm	Mercedes-Benz	220d/E220d/M604/C250d/E250d/M605/E300d/M606 MB/MB Transporter M616 116MB/100 Transporter
36mm	BMW	M52 3 Series/5 Series M60 6cyl/5/7/8 Series M73 12 cyl 7/8 Series
36mm	Vauxhall/Opel	Vectra-B di 16v
36mm	Volkswagen	Transporter T5/Lupo 1.2 TDi/Toureg TDi
38mm	Vauxhall/Opel	Astra Zafira 2.0/2.2 dti

MERCEDES

TC59670A



Universal Truck Ball-Joint Extractor
 With three interchangeable forcing forks for universal application to eccentric rods and tie rods on nearly all makes of vehicles, e.g., DAF, Iveco, MAN, Mercedes, Skania, Volvo, etc.
 Opening C : 25 - 32 - 48 mm



TC59670AB



Universal Truck Ball-Joint Extractor
 With three interchangeable forcing forks for universal application to eccentric rods and tie rods on nearly all makes of vehicles, e.g., DAF, Iveco, MAN, Mercedes, Skania, Volvo, etc.
 Opening C : 25 , 32 , 40 , 48 , 50 , 57 mm



MERCEDES

TC59670B



Universal Truck Ball-Joint Extractor
 With three interchangeable forcing forks for universal application to eccentric rods and tie rods on nearly all makes of vehicles, e.g., DAF, Iveco, MAN, Mercedes, Skania, Volvo, etc.
 Opening C : 40 , 50 , 57 mm



TC59689



Special wrench
 ideal for accurate tightening with a torque wrench(23Nm)
 Application:
 Mercedes Benz trucks for the AD-Blue filter (Filter associated with the Abgasreinigung)
 Audi/VW TDI V6-

Motor

L= 90MM
 □ 3/8"
 ⬡ sw46



MERCEDES

TC59697D		Part No.	Drive	S*L(mm)	Description
		TC59697D-03	3/8" <input type="checkbox"/>	17*115	For BMW diesel engines and OPEL 2.5TD engines
		TC59697D-04	1/2" <input type="checkbox"/>	14*119	For injection lines e.g. on BMW, VW
		TC59697D-05	1/2" <input type="checkbox"/>	17*119	<ul style="list-style-type: none"> For injection lines on MERCEDES-BENZ 100, 130, 314, 360, 360h, 352a, 346/355, 401, 402, 403, 407h, 615, 616, 617 • Long style
		TC59697D-06	1/2" <input type="checkbox"/>	19*119	<ul style="list-style-type: none"> For injection lines on MERCEDES-BENZ M 352, A, 346/355, A, 401, 402/422, LA, 403, 407h, as well as for the dip stick guide tube on M 314 • Long style
		TC59697D-07	1/2" <input type="checkbox"/>	18*119	For All diesel engines

Injection Line Socket

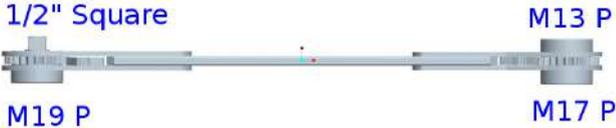
- Open 12-point socket for the operation of screwed connections on injection lines.
- On MAN commercial vehicles with D 20 engines – Common Rail injection systems.

TC59697D-3PCS		Part No.	Drive	S*L(mm)	Description
		TC59697D-04	1/2" <input type="checkbox"/>	14*119	For injection lines e.g. on BMW, VW
		TC59697D-05	1/2" <input type="checkbox"/>	17*119	<ul style="list-style-type: none"> For injection lines on MERCEDES-BENZ 100, 130, 314, 360, 360h, 352a, 346/355, 401, 402, 403, 407h, 615, 616, 617 • Long style
		TC59697D-06	1/2" <input type="checkbox"/>	19*119	<ul style="list-style-type: none"> For injection lines on MERCEDES-BENZ M 352, A, 346/355, A, 401, 402/422, LA, 403, 407h, as well as for the dip stick guide tube on M 314 • Long style

Injection Line Socket

- Open 12-point socket for the operation of screwed connections on injection lines.
- On MAN commercial vehicles with D 20 engines – Common Rail injection systems.

MERCEDES

<p>TC59777-D</p>	<p>Import Serpentine Belt Wrench</p> <ul style="list-style-type: none"> •Designed to release the tension on spring-loaded idler pulleys. •Allow direct access to the tensioner without having to remove engine accessories or frame components. •Ratcheting wheels allow easy positioning of the wrench to allow access the tensioner from any angle. •Rotate the drive end to match the position of serpentine belt tensioner. •Heat treated and nickel chrome plated for durability, appearance and long tool life. <table border="1" data-bbox="791 512 1457 680"> <tr> <td>13mm or 1/2"</td> <td>Hex</td> <td>Volkswagen 2.0 liter</td> </tr> <tr> <td>17mm</td> <td>Hex</td> <td>Audi 2.2, 2.8 liter; Mercedes</td> </tr> <tr> <td>19mm or 3/4"</td> <td>Hex</td> <td>Mercedes</td> </tr> <tr> <td>1/2"</td> <td>Square</td> <td>Volvo 2.3, 2.4, 2.8, 2.9 liter</td> </tr> </table>	13mm or 1/2"	Hex	Volkswagen 2.0 liter	17mm	Hex	Audi 2.2, 2.8 liter; Mercedes	19mm or 3/4"	Hex	Mercedes	1/2"	Square	Volvo 2.3, 2.4, 2.8, 2.9 liter
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1/2"	Square	Volvo 2.3, 2.4, 2.8, 2.9 liter											
													
<p>TC59778A</p>													
<p>Hose Clips Pliers (Chrome Plated) For releasing and re-fitting reusable hose clips, types CLIC and CLIC-R (Caillau/Serflex). Application: Audi, Citroën, Fiat, Mercedes, Opel/Vauxhall, Peugeot , Renault, VW etc.</p>													
<p>TC59778B</p>													
<p>Hose Clips Pliers (Phosphate Coated) For releasing and re-fitting reusable hose clips, types CLIC and CLIC-R (Caillau/Serflex). Application: Audi, Citroën, Fiat, Mercedes, Opel/Vauxhall, Peugeot , Renault, VW etc.</p>													
<p>TC59788</p>	<p>Hose Clip Pliers With Locking Ratchet For replacement of hose-clips on Fuel-lines, Oil-pipes and water-hoses, self-tensioning spring-clips. Special design allows the spring hose clips to be securely gripped and safely expanded. Suitable for Alfa Romeo, Audi, Citroën, Fiat, Ford, Hyundai, Lancia, MAN, Mercedes, Opel/ Vauxhall, Peugeot, Porsche, Renault, Seat, Toyota, VW, Volvo, etc.</p>												
													

MERCEDES



TC59797

Diesel Injector Seat Cutter Set

- Identify injector "blow-by" exists (see previous page for possible symptoms).
- Gain access to the injectors and remove them.
- Select required reamer onto pilot post and tighten internal hex screw.
- Place assembled cutter into injector recess.
- Using the T bar and socket supplied apply only a small amount of pressure whilst turning the cutter in a clockwise direction only. Use a small amount of light lubricant whilst performing the cut to reduce chattering and help give a flat cut. Do not over cut the seat only remove enough metal to form a good seat.
- Thoroughly clean the seat and remove all swarf.
- Fit injectors as per manufacturers instructions.

Kit contents:

- TC59797-01-15*19mm Flat Reamer for Universal injector.
- TC59797-02-17*17mm Flat Reamer for Delphi/Bosch injectors (BMW/PSA/Renault/Ford).
- TC59797-03-17*19mm Flat Reamer for Bosch injectors (Mercedes CRD).
- TC59797-04-17*21mm Angled Resmer for Fiat/Iveco.
- T handle*1.
- Pilot post*1.

MATERIAL : CR-V



TC59797-5

Diesel Injector Seat Cutter Set

- Identify injector "blow-by" exists (see previous page for possible symptoms).
- Gain access to the injectors and remove them.
- Select required reamer onto pilot post and tighten internal hex screw.
- Place assembled cutter into injector recess.
- Using the T bar and socket supplied apply only a small amount of pressure whilst turning the cutter in a clockwise direction only. Use a small amount of light lubricant whilst performing the cut to reduce chattering and help give a flat cut. Do not over cut the seat only remove enough metal to form a good seat.
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- TC59797-03-17*19mm Flat Reamer for Bosch injectors (Mercedes CRD).
- TC59797-04-17*21mm Angled Reamer for Fiat/Iveco.
- TC59797-05-17mm Angled for Fiat/Iveco, Ford
- T handle*1.
- Pilot post*1.

MATERIAL : CR-V



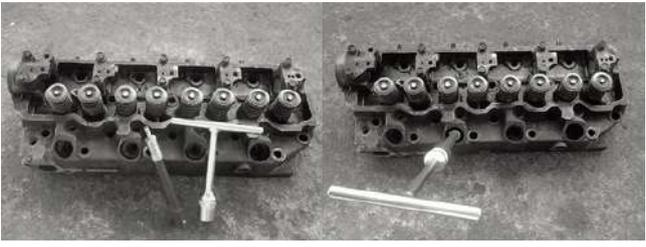
TC59797-8

Diesel Injector/Injector Seat Cleaner Set

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

Content

Pilot post		
T-handle		
Reamer (flat)	15 x 19 mm	Various vehicles
Reamer (flat)	17 mm	Bosch / Delphi (BMW, Ford, PSA, Renault)
Reamer (flat)	17 x 19 mm	Bosch (Mercedes CRD)
Reamer (angled)	17 mm	Fiat, Iveco, Ford, Mercedes CDI
Reamer (angled)	17 x 21 mm	Fiat, Iveco
Reamer	18 x 21 mm	Various vehicles
Reamer	20 x 21 mm	Various vehicles
Reamer (long)	15.5 mm	Bosch
Cleaner	19 mm	Injector cleaner
Hex key		



MERCEDES

<p>TC59797AA</p>	<p>Diesel Injector Seat Cutter Set</p> <ul style="list-style-type: none"> •Identify injector "blow-by" exists (see previous page for possible symptoms). •Gain access to the injectors and remove them. •Select required reamer onto pilot post and tighten internal hex screw. •Place assembled cutter into injector recess. •Thoroughly clean the seat and remove all swarf. •Fit injectors as per manufacturers instructions. <p>Kit contents:</p> <ul style="list-style-type: none"> •15*19mm Flat Reamer for Universal injector. •17*17mm Flat Reamer for Delphi/Bosch injectors (BMW/PSA/ Renault/Ford). •17*19mm Flat Reamer for Bosch injectors (Mercedes CRD). •17*21mm Angled Resmer for Fiat/Iveco. •Pilot post*1.
	
<p>TC59797AA-5</p>	<p>Diesel Injector Seat Cutter Set</p> <ul style="list-style-type: none"> •Identify injector "blow-by" exists (see previous page for possible symptoms). •Gain access to the injectors and remove them. •Select required reamer onto pilot post and tighten internal hex screw. •Place assembled cutter into injector recess. •Thoroughly clean the seat and remove all swarf. •Fit injectors as per manufacturers instructions. <p>Kit contents:</p> <ul style="list-style-type: none"> •15*19mm Flat Reamer for Universal injector. •17*17mm Flat Reamer for Delphi/Bosch injectors (BMW/PSA/ Renault/ Ford). •17*19mm Flat Reamer for Bosch injectors (Mercedes CRD). •17*21mm Angled Resmer for Fiat/Iveco. •17mm Angled for Fiat/Iveco, Ford •Pilot post*1.
	
<p>TC59808</p>	<p>Earless Clamp Pliers-Extra Heavy Duty</p> <p>For tightening of clamps (system OETIKER) on cv boots, water and fuel hoses.</p> <p>Suitable for Audi, BMW, Chrysler, Ford, GM, Honda, Mazda, Mercedes, Nissan, Opel/ Vauxhall, VW etc.</p> <p>Advantages:</p> <ul style="list-style-type: none"> * No damage to spring band clamps. * No damage to hoses. * Easy and quick replacement of hoses.
	
<p>TC59825</p>	<p>Wiper-Arm Puller Set</p> <p>Suitable for: VW-Audi, BMW, Ford, Mercedes, Opel, Peugeot, etc.</p> <p>The first universal Puller Set to remove bolted Windscreen Wiper Arms, especially for those which have become rusted or corroded onto the drive-shaft.</p> <p>Stubborn and deep-seated Wiper Arms may be quickly and easily removed using the TC59825 Puller Set.</p> <p>Wiper Arms with integrated Screen-Wash nozzles - e.g. VW-Audi, BMW etc. on the rear window - can be easily removed by using the Slide hammer included in the Set.</p> <p>Wiper Arms with central holes may be removed by using the Pressure Spindle. Those Wiper Arms with no central hole require the Pressure Bolt to be used with the Pressure Adaptor supplied.</p> <p>Contents:</p> <ul style="list-style-type: none"> * 6 grippers * 1 Pressure spindle * 1 slide hammer
	

MERCEDES

<p>TC59920</p>	<p>Crankshaft Pulley Holder * Suit for BENZ M111, 112 * Brake loose the crank shaft pulley/harmonic balancer bolt. Designed to properly secure the pulley from rotating during R & R of crank bolt. The 50mm hex head armature slips past the lightest of spaces and slides right into the center slot on the pulley. Then slide the long bar onto the receiving end of the armature and lock it into position with the securing bolt .</p>
	<p>Drive: SW 22 mm</p>  <p>Oil Filter Wrench Applicable on VW-Audi, BMW, Citroën, Fiat, Ford, Lancia, Mazda, Mercedes, Nissan, Opel /Vauxhall, Peugeot, Porsche, Renault, Suzuki , Toyota, etc. Especially suitable for Audi A3 TDI, VW Golf IV TDI, BMW E36 with 4-cylinder engines, Porsche Cayenne, Boxster, 911 and Mercedes CDI engines, as well as C- and E-Class with 4- and 6-cylinder petrol engines. For Oil Filter with 74mm and 14 Flats.</p>
<p>TC59928-7</p>	<p>Oil Filter Wrench Applicable for VW-Audi, Mercedes, Seat, Škoda etc. Especially suitable for Mercedes with 6-cylinder petrol engine M102 and M103. Due to the particularly compact oil filter wrench design, the oil filter on Mercedes M102 and M103 engines can be exchanged without the need to remove the induction pipe. For Oil Filter with Ø 76mm and 12 Ribs. Drive: 3/8" □</p>
	

MERCEDES

<p>TC59928-12</p>	<p>Oil Filter Wrench 74mm x 14 flutes Wrench for gasoil to immersion. Aluminium Filter wrench in 3/8"D for use on Audi BMW,Citroen,Fiat,Ford,Lancia,Mazda, Mercedes,Nissan,Peugeot,Renault,Suzuki, Toyota,Vauxhall/Opel and Volkswagen. 14 sides Ø 74mm</p>		
			
<p>TC59928-14</p>		<p>TC59946</p>	
<p>Oil Filter Wrench VOLVO& Mercedes Benz, etc. 16 sides Ø 87mm</p>		<p>CV Boot Clamp Pliers * For axle collar clamps on passenger cars, e.g. on VW-AUDI, OPEL, BMW, MERCEDES-BENZ, HONDA, NISSAN, MAZDA * With lug holding-down device. * Special Steel. * Surface nickel-plated.</p>	
<p>TC59956A</p>		<p>Tube Blocking Pliers For releasing and re-fitting the re-usable hose clips types CLIC and CLIC-R. Suitable for VW-Audi, Citroën, Mercedes, Opel/Vauxhall, Peugeot, etc.</p>	
			
<p>TC59956B</p>		<p>Tube Blocking Pliers For releasing and re-fitting the re-usable hose clips types CLIC and CLIC-L. Suitable for VW-Audi, Citroën, Mercedes, Opel/Vauxhall, Peugeot, etc.</p>	
			

MERCEDES

<p>TC59956E</p>	<p>Hose Clamp Pliers (Swivel Jaws)</p> <ul style="list-style-type: none"> - Open and close easily by turning the pliers by 180°. - For clamping multi-use CLIC -type hose clamps. - Swivel jaws - for use in areas with restricted access. - Suitable for: Audi, Citroen, Fiat, Mercedes, Opel / Vauxhall, Peugeot, Renault, SMART, VW, etc. 	
		

<p>TC59973</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 5%;">1</td><td style="width: 60%;">Belt Installer</td><td style="width: 35%;">(ø 32 mm)</td></tr> <tr><td>2</td><td>Belt Installer</td><td>(ø 45 mm)</td></tr> <tr><td>3</td><td>Belt Installer</td><td>(ø 50 mm)</td></tr> <tr><td>5.1</td><td>Screw</td><td>(M8x25, ø5.9mm)</td></tr> <tr><td>5.2</td><td>Screw</td><td>(M8x40, ø5.7mm)</td></tr> <tr><td>5.3</td><td>Screw</td><td>(M8x53, ø5.7mm)</td></tr> <tr><td>5.5</td><td>Screw</td><td>(M8x65, ø5.6mm - L = 32.5)</td></tr> </table> <p>Dismounting:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 5%;">4.1</td><td style="width: 60%;">Belt Remover</td><td style="width: 35%;"></td></tr> <tr><td>4.2</td><td>Self Locking Nut</td><td></td></tr> <tr><td>4.3</td><td>Fixing Nut</td><td>(M8)</td></tr> <tr><td>5.4</td><td>Screw</td><td>(M8x65, ø5.6mm - L = 11.5)</td></tr> <tr><td>5.5</td><td>Screw</td><td>(M8x65, ø5.6mm - L = 32.5)</td></tr> </table>	1	Belt Installer	(ø 32 mm)	2	Belt Installer	(ø 45 mm)	3	Belt Installer	(ø 50 mm)	5.1	Screw	(M8x25, ø5.9mm)	5.2	Screw	(M8x40, ø5.7mm)	5.3	Screw	(M8x53, ø5.7mm)	5.5	Screw	(M8x65, ø5.6mm - L = 32.5)	4.1	Belt Remover		4.2	Self Locking Nut		4.3	Fixing Nut	(M8)	5.4	Screw	(M8x65, ø5.6mm - L = 11.5)	5.5	Screw	(M8x65, ø5.6mm - L = 32.5)	
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<p>Stretch Belt Tool Kit</p> <ul style="list-style-type: none"> - Kit for mounting and dismantling the stretch belts without damaging pulleys and belts. - Fast, easy and correct belt replacement. - Large field of work through different mounting and dismantling tools. <p>For: BMW, Cadillac, Chevrolet, Chrysler, Citroen, Fiat, Ford, GMC, Isuzu, Iveco, Lancia, Lincoln, Mazda, Mercedes, Peugeot, Volvo, etc.</p> <p>Mounting</p>																																						

<p>TD59300A</p>	
<p>8 PCs Special Socket Set</p> <p>Service: Mercedes, BMW, VW, GM, Audi, Ford, Honda, Mazda, Nissan, Mitsubishi, Toyota vehicles.</p>	

MERCEDES

<p>TD59475</p>	<p>European Door Hinge/ Handle Kit Finally, a compact solution to accessing the special fasteners found on the door hinges & door handles of VW/Audi, Mercedes-Benz and Porsche. Includes 4 door hinge bits (less than 1 inch long) with slender ratcheting wrench and extra long drivers for accessing Mercedes and VW door handle fasteners.</p> <ul style="list-style-type: none"> * Ratchet * T-20 T-handle Driver * T-30 Torx Screwdriver * T40 Bit * T45 Bit * 4MM 12 Point Bit * 8MM 12 Point Bit * 10MM 12 Point Bit
	<p>TD59745</p> <p>Mercedes Benz Rear Wheel Bearing Remover & Installer This precision machined tool is used for removing and replacing the rear wheel bearing found on Mercedes Benz rear axles. This tool is also used for the installation of the rear axle flange. Suits Mercedes Benz models: W124, W201, W202, W208, W210. Bmw models: E30, E36, E46.</p>  
<p>TD59785</p>	<p>Benz Camshaft Lock Set W/A djustable 38mm Wrench * 38 mm special wrench for turning the cam. Used with M112-0132 * Application: M112, M113 * Camshaft Spanner * Camshaft Locking Tool RH * Camshaft Locking Tool LH</p>  

MERCEDES

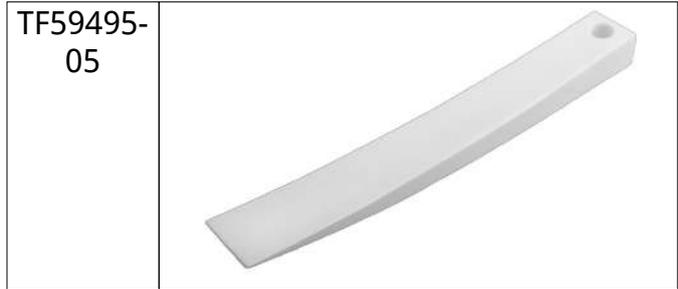
<p>TE5920</p>	<p>Mercedes & BMW Ignition Lock Set Complete kit for removal and installation for Mercedes and BMW motor vehicles. Stored in a plastic case. Includes: * 2 x Instrument cluster removal hooks for models: 107, 116, 123, 124, 126, 140 & 201. * 2 x Radio removal tools for 1992 and newer Mercedes vehicles Models: 140, 129, 202 & 210. * 2 x Ignition lock removal tools for models W124 & 201. * 2 x Ignition lock removal tools for models W124, 126 & 201. TE59A.B.C Tool Set</p>
<p>TE5920AB</p>	<p>Mercedes & BMW Ignition Lock Set Complete kit for removal and installation for Mercedes and BMW motor vehicles. Includes: * 2 x Instrument cluster removal hooks for models: 107, 116, 123, 124, 126, 140 & 201. * 2 x Ignition lock removal tools for models W124 & 201. * 2 x Ignition lock removal tools for models W124, 126 & 201.</p>
<p>TE5920B</p>	
<p>Instrument Cluster Tools Pair of hooks for removing instrument cluster on Mercedes 107, 116, 123, 124, 126, 140 & 201.</p>	<p>TE5920C</p> 
<p>TF5916B22</p>	<p>Hose Clamp Removal Tool * Universally designed for the loosening / opening of HENN clamps as found on coolant hoses / charge air hoses in passenger cars. * Suitable for VW-Audi, Seat, Skoda, BMW, Peugeot, Citroen, Dacia, Fiat, Ford, Kia, Lexus, Mazda, Mercedes, Nissan, Opel/Vauxhall, Porsche, Renault, Toyota, Volvo etc.</p>
	

MERCEDES



TF5917B03

Windshield Washer Nozzles Adjustment Tool (Mercedes)
 * For adjusting the fan washer nozzles for the window cleaning system.
 * Suitable for Mercedes W204, W207, W212, W218.
 OEM Ref.: 001 589 02 16 00



TF59495-05

Trim Removal Wedge (Mercedes)
 Used to remove various trim parts from Mercedes-Benz without damaging the parts.
 OEM Ref.: 110 589 03 59 00

TF59663Z



Oil Filter Offset Wrench Set (5 pcs)
 Features:
 * 24mm / 27mm / 32mm / 36mm / 38mm with 3/8" square driver.
 * Low profile design with offset drive.
 * Special design for tight confined areas.
 * For oil filters where access is limited.

24mm:
 * BMW N62 5/7 Series

27mm:
 * Mercedes-Benz A Class
 * Ford Fiesta 1.4/1.6 TDCi
 * Renault 1.5/1.9/2.2/2.5dci
 * BMW Mini

* Ford Transit 2.2/2.4/3.2

32mm:
 * Vauxhall/Opel Astra-G / Corsa-B
 * Volkswagen Polo 1.2 / Transporter T5 1.9
 * Audi A6 3.2 TSi V6
 * Ford Transit 2.0/2.4
 * Chevrolet HHR / Cobalt / Cobalt SS / Malibu / Cavalier / S10 / Malibu, Maxx
 * Saturn L-series / Ion / Vue
 * Pontiac G6 / Solstice / Sunfire / Grand AM
 * Oldsmobile Alero
 * GMC Sonoma
 * SAAB 9-3

36mm:
 * Mercedes-Benz
 220d / E220d / M604 / C250d / E250d / M605 / E300d / M606 MB / MB Transporter M616 116MB / 100 Transporter
 * BMW M52 3 Series / 5 Series M60 6cyl / 5/7/8 Series M73 12 cyl 7/8 Series
 * Vauxhall/Opel Vectra-B di 16v
 * Volkswagen Transporter T5 / Lupo 1.2 TDi / Touareg TDi

38mm:
 * Vauxhall/Opel Astra | Zafira 2.0/2.2 dti



TF591780L

Camber Adjusting Tool (VW / Mercedes)
 For camber adjustment on VW Crafter, Mercedes Sprinter. For the extremely hard-to-access shock absorber screw connection.

MERCEDES



Belt Tensioner Tool (Mercedes)
Effectively compresses hydraulic belt tensioner on Mercedes W169 and W245 (alternator with start-stop function).

A-Class (W169)		
A 150	169.031, 169.331	2004-2012
A 160	169.031, 169.331	2009-2012
A 170	169.032, 169.332	2004-2012
A 180	169.032, 169.332	2009-2012
A 200	169.033, 169.333	2004-2012
A 200 turbo	169.034, 169.334	2005-2012

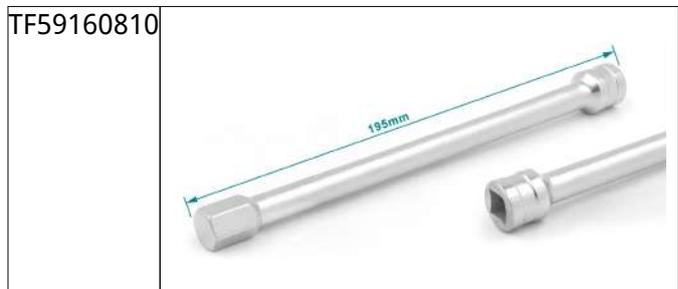
B-Class (W245)		
B 150	245.231	2005-2011
B 160	245.231	2009-2011
B 170	245.232, 245.233	2005-2011
B 170 NGT	245.232, 245.233	2008-2011
B 180	245.232, 245.233	2009-2011
B 180 NGT	245.232, 245.233	2008-2011
B 200	245.233	2005-2011
B 200 turbo	245.234	2005-2011

OEM Ref: W266589003100 / A2662000770 / A2662001170



Tire Tread Depth & Brake Pad Thickness Gauge
Used for measuring thickness of brake pad and depth of tire tread.

OEM Ref: T40139A (VW) / 341260 (BMW) / 211589062300 (Benz)



Headlight Adjusting Wrench (Mercedes)
For adjusting the headlights or clearance from bumpers and bonnet on Mercedes C-Class (W205) 2014-. Audi A7. The wrench is especially suited to areas with very restricted access.

TF5917808Z



Wheel Stud Pilot Pin Set

- * To easily remove and install the wheel on many vehicles.
- * The wheel stud pilot pin allows you to hang the wheel without having to balance the wheel on the small lip of the hub .

Application:
M12 x P1.25: Alfa Romeo, Chrysler, Dodge and Fiat.
M12 x P1.5: Audi, Alfa Romeo, BMW, Mercedes, Mini, Porsche, Vauxhall, Volvo and VW.
M14 x P1.25: BMW and Mini.
M14 x P1.5: Audi, BMW, Citroen, Chrysler, Ferrari, Fiat, Ford, GM, Hyundai, Land Rover, Lamborghini, Opel, Mercedes, Peugeot, Porsche, Renault, Rover, Saab, Seat, Skoda, Vauxhall, Volvo, and VW.

TH5948375



ENGINE TIMING TOOL FOR Mercedes Benz

- Applications: Mercedes Benz M651 Chain driven 1.8/2.1 diesel engines
- Including: Mercedes Benz A Class ,B Class, C Class, E Class, GLK, M Class, SCLASS, Sprinter, Viano and Vito.

Q`TY: 5/12.25/12.6/0.77`
CARTON SIZE: 400*310*290MM