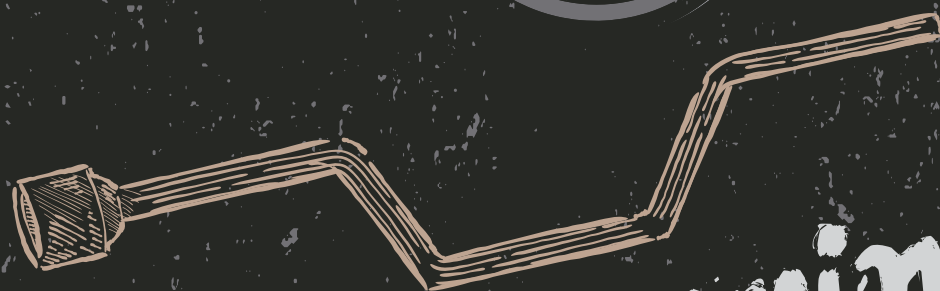
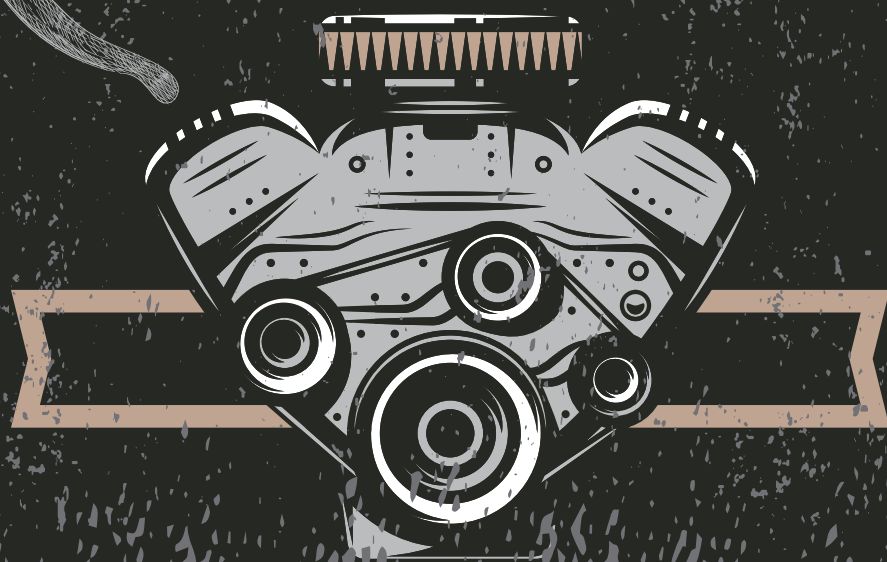
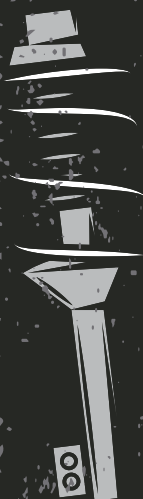
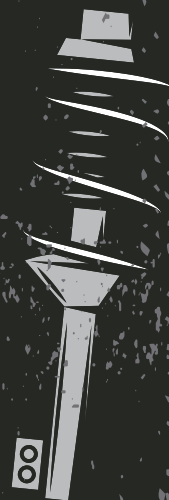
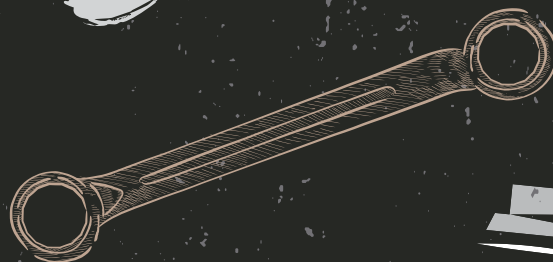
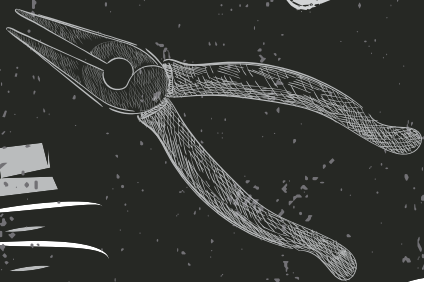
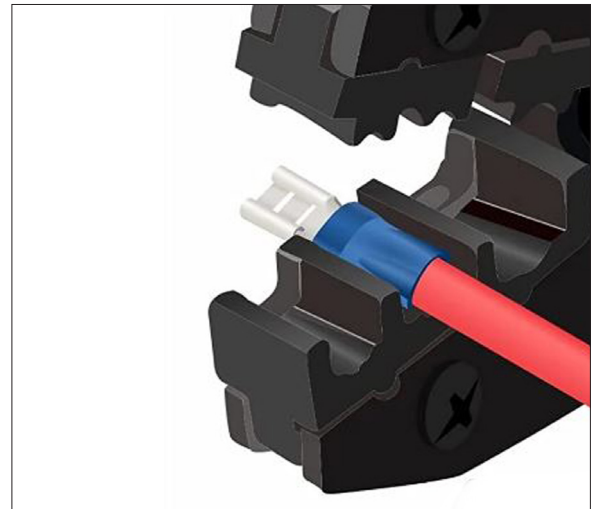


**APO TOOL
INTERNATIONAL LTD.**



**BE Pioneering
Every Second**



APA00070
CRIMPER FOR STORAGE BATTERY AND NON-INSULATED TERMINAL


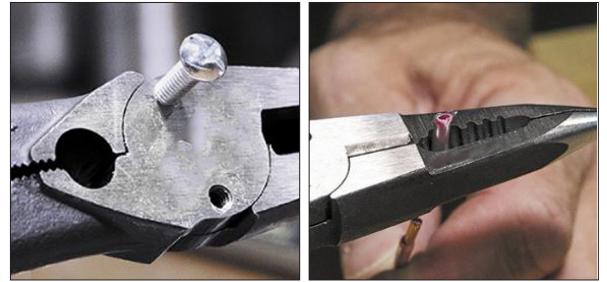
- Ideal for connecting of Anderson connector could be used on solar panel to a PV load. Good for installation and easy to use on outdoor travel-trailer.
- Features:
 1. Genderless connector housings are mechanically keyed by color to prevent cross-connections.
 2. Dust cover protects the connector from pollution.
 3. T handle keeps the user away from scald or electric shock.
 4. The silver-plated solid copper terminal offers high conductivity and produces less heat.
- Applications: From low current non-insulated terminal to high current storage power wire connection.
- Contents: Crimping tool, wire cutter, color-coded housing, T handle, rubber dust cover, 2:1 and 3:1 heat shrink tubes, and relative parts.

APA00071
SPECIALTY CRIMPING TOOL FOR AUTOMOBILE CONNECTOR TE/ BOSCH


- The tool is ratcheted to ensure that the user can experience less fatigue and stress under repeated crimping.
- Effectively eliminate jaws device replacement.
- Includes a ratchet tool and two popular interchangeable crimps and terminals for professional automotive waterproof and dustproof connectors.

APA00072

6 IN 1 MULTI-FUNCTION ELECTRICAL PLIERS



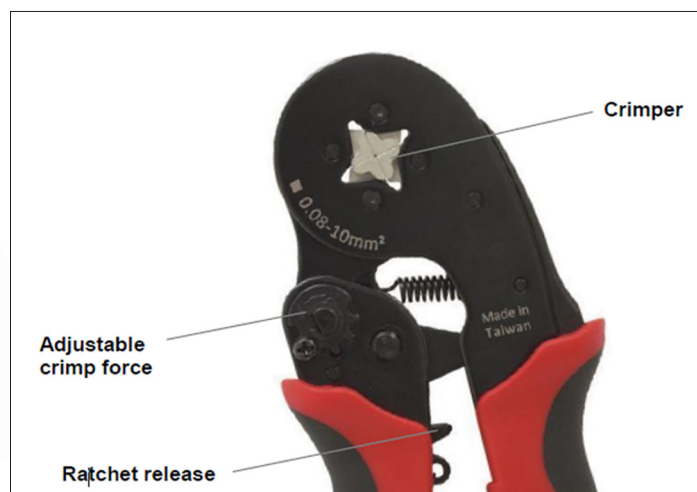
- Hardened, tempered for exceptional strength and durability.
- 6 in 1 Functions:
 1. Gripping and looping
 2. Screw extractor
 3. Stripping: 10-18 AWG Solid and 12-20 AWG Stranded
 4. Wire cutting
 5. Screw shearing: 6-32 and 8-32 screw
 6. Crimping
- Overall length: 212mm (8.5")
- Cutting wire: 2.0mm

APA00073

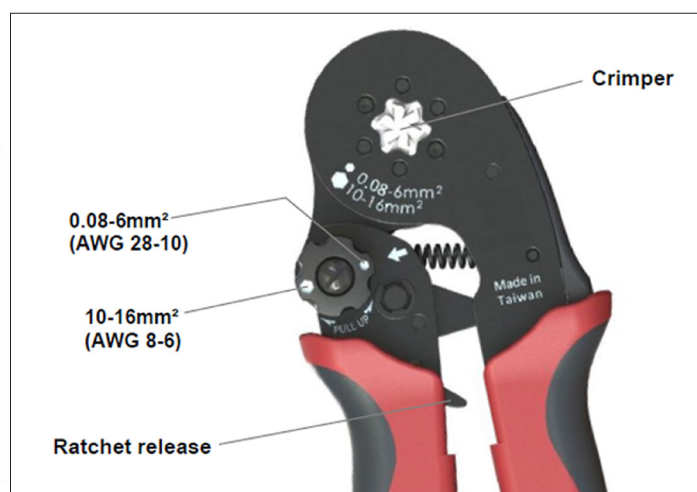
QUICK CHANGE RATCHET CRIMPER KIT FOR ANDERSON TERMINAL



- Works for 15A, 30A, 45A, 75A, and SB50 Anderson Powerpole Connectors.
- Apply to power supply charging system.
- Widely used in communication power supply, sound equipment, two-way radios.
- Contains:
 - 9" Plus Crimping Tool
 - Jaw for Anderson Power 15A/30A powerpole connector (S)
 - Jaw for Anderson Power 45A powerpole connector (S1)
 - Jaw for Anderson Power SB50/75A powerpole connector (S2)

APA00052
SQUARE SELF-ADJUSTING CRIMPER


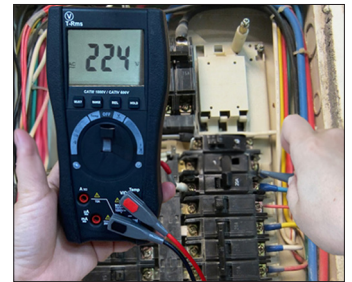
- Works on insulated/non-insulated end-sleeve (ferrule/bootlace) terminals.
- Four serrated crimp dies are perfect for square crimps with long life.
- Self-Adjusting action with effective gripping force to the appropriate diameter.
- Lever action with full-cycle ratcheting delivers consistency and fatigue-reduced operation.
- Lateral loading from either side of the tool and convenient for right or left-handed users.
- Crimping range: AWG 28 to AWG 8 (0.08mm² - 10mm²)
- Length: 189.2mm (7.5")

APA00053
SELF-ADJUSTING CRIMPER PLIERS


- Works on insulated/non-insulated end-sleeve (ferrule/bootlace) terminals.
- Six serrated crimp dies are perfect for hexagonal crimp with long life.
- Selectable button optimal for crimp range 0.08 - 6.0mm² (AWG 28-10) and 10 - 16mm² (AWG 8-6).
- Self-Adjusting action with effective gripping force to the appropriate diameter.
- Lever action with full-cycle ratcheting delivers consistency and fatigue-reduced operation.
- Lateral loading from either side of the tool and convenient for right or left-handed users.
- Length: 189.2mm (7.5")

APA00076-1

LCD MULTI-METER



- This handy multimeter can be used for the measurement of DC voltage/current, true RMS AC voltage/current, resistance, diode, continuity, temperature, and non-contact voltage sensing.
- With accessories of thermocouple (optional) and K-type connector (optional) for temperature measurement.
- Measurement Functions:
 1. Max resolution: 2000 Counts
 2. AC: 0-750V / 0-10A
 3. DC: 0-1000V / 0-10A
 4. Resistance: 0-19.99M Ω
 5. Temperature range: -100 to 1000°C
 6. Data refresh: 3 times/ sec
 7. Power source: 9V 6F22 Battery
 8. Category: CAT IV 600V / CAT III 1000V

APA00076-2
**LCD MULTI-METER WITH K TYPE
 (THERMOCOUPLE X 1 INCLUDED, -50~205°C (1M))**


- Designed for the measurements of DC voltage/current, true RMS AC voltage/current, resistance, capacitance, frequency, diode, continuity, temperature, and non-contact voltage sensing.
- With accessories of thermocouple and K-type connector for temperature measurement.
- Measurement Functions:
 1. Max Resolution: 6000 Counts
 2. AC: 0-750V / 0-10A
 3. DC: 0-1000V / 0-10A
 4. Resistance: 0-60MΩ
 5. Capacitance: 0-9.999mF
 6. Frequency: 0-9.999MHz
 7. Temperature Range: -200 to 1300°C
 8. Data Refresh: 3 times/ sec
 9. Power Source: 9V 6F22 Battery
 10. Category: CAT IV 600V / CAT III 1000V
 11. K type Thermocouple included (-50 to 205 °C, 1M)

APB00201

3/8" DRIVE OIL FILTER WRENCH FOR TOYOTA / HONDA



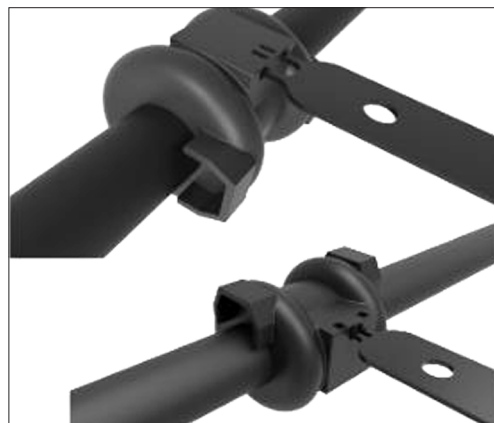
- Fits most Toyota-Lexus, and Honda-Acura vehicles.
- Fits both cartridge-type and canister-type oil filter housings.
- Steel material provides high torque for removing stubborn oil filters.
- Height: 64.5mm X 14flutes X 43mm
- Use with a 3/8" drive.

APB00202

RADIATOR VACUUM COOLANT REFILL KIT WITH A TWIST-ON ADAPTOR



- Vacuum-type coolant refill tool has large internal passages to allow coolant to be refilled fast.
- Provided with a twist-on adaptor, fitting most US vehicles and some European vehicles.
- With only two valves - easy to use, and intuitive design.
- Tool with a hook can hang under the hood.
- Tool needs to work with an air compressor to create a vacuum in the cooling system.

APB00186
AC DISCONNECT TOOL FOR TOYOTA


- Double ended design can be used to release the connector from either edge.
- Works on the high and low-pressure air conditioning lines on Toyota Corolla, Land Cruiser, Avalon, Camry, Solara, Sequoia and Sienna.
- Fittings on the high and low-pressure air conditioning lines on most 1998 and newer Toyota vehicles.

APB00187
7PC 3/8" DRIVE OIL FILTER SOCKET SET


- Low profile design for removing paper cartridge style oil filters on BMW, Mercedes A Class, GM/Opel, Astra G, Corsa B, Zafira, Ford, Mondeo 2.0D Duratorq, Transit 2.0, Omega, Vectra B, Vauxhall Vectra 2.0D.
- Made of chrome vanadium steel.
- Socket sizes: 24mm, 27mm, 29mm, 30mm, 32mm, 36mm, 38mm

APB00188

7PC OIL FILTER OFFSET WRENCH SET



- Special design for removing oil filters in confined areas.
- Low profile design with offset drive.
- Sizes: 24mm, 27mm, 29mm, 30mm, 32mm, 36mm, 38mm

APB00189

THROTTLE PEDAL DEPRESSOR



- Use the adjustment screw to quickly adjust RPM to the desired setting.
- Hold the nylon clasp under the steering wheel and spread the depressor stick to the accelerator pedal.
- Overall length: 690mm

APB00203
3 JAW OIL FILTER WRENCH - MAZDA DIESEL


- Remove oil filters and release fuel from filters.
- Features with gear-driven and heat-treated legs.
- Suitable for high torque use.
- Use with 1/2" (12.7mm) or 3/8" (9.5mm) square drive ratchet or 13/16" (21mm) wrench.
- Applied for Mazda CX-3.
- Filter size range: 60mm - 120mm
- Length of Jaw: 50mm

APB00204
ADBLUE SYSTEM PRESSURE TEST KIT


- SCR Selective Catalytic Reduction (Urea) system pressure test kit.
 - Clear braided connection pipes 2 X 300mm – with parallel and 90 degree 6.3mm snap connectors to allow connection to the SCR system in restricted areas and view the fluid colour etc.
 - Use in accordance with OEM vehicle data and instructions for SCR system testing.
 - Designed to be used with OEM diagnostic software and protocols.
- Note: Always wash the gauge and pipe assembly after use in clear water to prevent Urea crystal build up.**

APB00205

DIESEL FUEL SYSTEM PRIMING KIT



- Applications: Ford cars and light commercials; Land Rover Freelander II.
- Hand pressure pump with 4 adaptors.
- For bleeding/priming the system after fitting a new filter or other maintenance on the fuel system.

APB00206

DIESEL FUEL LOW PRESSURE TEST KIT



- Fitted with clear pipes to allow easy identification of air ingress.
- Supplied with 9.89mm quick connector for Citroën/ PSA, Ford, Jaguar and Land Rover applications. Quickly and easily measures fuel pressure vacuum and pressure. Easily identify low pressure fuel pump issues, fuel filter blockages, pipe damage, connection leaks and seal damage (air leaks).
- Can be used with the engine running to establish pre- and post-filter pressure variation.

APB00207
4PC COOLING SYSTEM PRESSURE TEST KIT

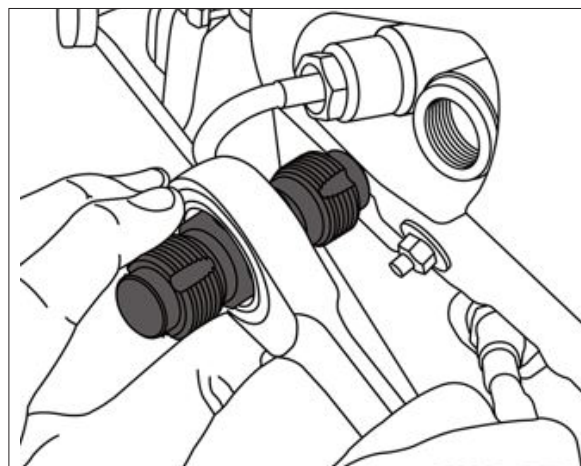

- Capless cooling system tester uses an inflatable bladder to seal the coolant header tank or radiator.
- Bladder system can be used on both screw and bayonet fittings and seals 90% of cars and light commercial vehicles straight out of the box.
- Supplied with two adaptors, enabling testing of VAG vehicles with internal threads on header tank.

APB00208
ENGINE OIL PRESSURE TESTER 0-100 PSI


- This tool is used to quickly and accurately check engine oil pressure in both cars and trucks.
- Pressure Range: 0-100psi/ 0-7 bar
- Length of oil proof hose: 24" (610mm)
- Includes 1/8" NPT, 1/4" NPT, and 3/8" NPT optional brass adaptors.

APB00209

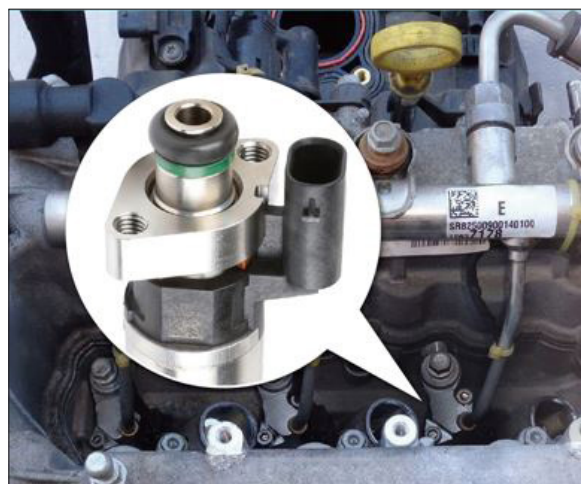
NOX/ SOOT SENSOR THREAD CHASER



- Cleans threads in NOx / Soot sensor holes without damaging the exhaust systems.
- The tool is universal for light and heavy duty diesel engines.
- Can also be used for the diesel particulate filter as well as most exhaust sensors.

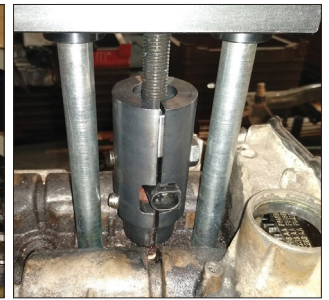
APB00210

PETROL INJECTOR PULLER-OPEL/ VAUXHALL/ MG

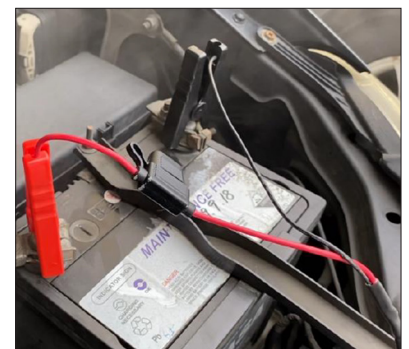


- The clamp is designed to bolt directly to the two bolt fixing on the fuel rail mounting plate on the injector.
- The adaptor allows the attachment of a threaded slide hammer.
- Suitable for Opel/ Vauxhall/ MG 1.0, 1.4, 1.5, 1.6 petrol engines.

Opel / Vauxhall	
Adam	2014 ~ 2020
Astra K	2015 ~ 2019
Cascada	2018 ~ 2019
Corsa E	2015 ~ 2020
Mokka X	2018 ~ 2020
MG	
ZS	2017 ~ 2021
GS	2016 ~ 2019

APB00211
DIESEL INJECTOR PULLER - FORD ECOBLUE 2.0L


- Pull the Ford EcoBlue 2.0L diesel injectors in one piece, allowing them to be refitted.
- OEM Ref.: 303-1706

APB00212
AUTOMOTIVE SMOKE LEAK DETECTOR


- Easily diagnose leaks on EVAP system, intake system, EGR and exhaust system, vacuum leaks, and low-pressure turbo leaks.
- It also detects worn gaskets, worn rubber/seals, and connectors on all systems.
- Compatible with USP Mineral oil or Baby Oil.
- Equipped with a pressure relief valve.
- Suitable for all kinds of vehicles.
- The kit comes with a power switch and a valve-on regulator that allow to suspend the work without detaching anything.

APB00213

PNEUMATIC INJECTOR PULLER EXTRACTOR TOOL



- Works with 90 PSI (6.3 bar) air pressure.
- Average Air Consumption: 20 SCFM
- Spindle: M18 X 1.5P
- BPM: 185

APB00213-1

7PC PNEUMATIC INJECTOR PULLER EXTRACTOR TOOL SET



- Works with 90 PSI (6.3 bar) air pressure.
- Average Air Consumption: 20 SCFM
- Spindle: M18 X 1.5P
- BPM: 185
- Size Includes:
 - M18 X 1.5/ M20 X 1.0
 - M18 X 1.5/ M17 X 1.0
 - M18 X 1.5/ M14 X 1.5
 - M18 X 1.5/ M25 X 1.0
 - M18 X 1.5/ M27 X 1.0
 - Universal Joint

APB00213-2
20PC PNEUMATIC INJECTOR PULLER EXTRACTOR TOOL SET


- Works with 90 PSI (6.3 bar) air pressure.
- Average Air Consumption: 20 SCFM
- Spindle: M18 X 1.5P
- BPM: 185
- Size Includes:
 - M18 X 1.5/ M20 X 1.0
 - M18 X 1.5/ M18 X 0.75
 - M18 X 1.5/ M17 X 1.0
 - M18 X 1.5/ M27 X 1.0
 - M18 X 1.5/ M27 X 1.0
 - M18 X 1.5/ M25 X 1.0
 - M18 X 1.5/ M27 X 0.75
 - M18 X 1.5/ M25 X 0.5
 - M18 X 1.5/ M29 X 1.0
 - M18 X 1.5/ M31 X 0.75
 - M18 X 1.5/ M26 X 0.75
 - M18 X 1.5/ M14 X 1.5
 - M18 X 1.5/ M16 X 1.5
 - M18 X 1.5/ M18 X 1.5
 - M18 X 1.5/ M22 X 1.5
 - M18 X 1.5/ M20 X 1.5/ M12 X 1.5
 - M18 X 1.5/ M8 X 1.25
 - M18 X 1.5/ M8 X 1.0
 - M18 X 1.5/ M10 X 1.5

APB00214

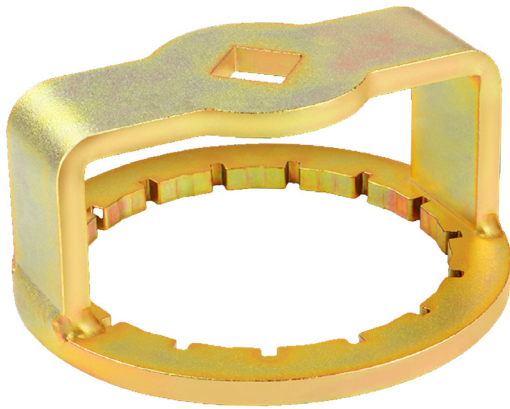
PNEUMATIC DIESEL INJECTOR PULLER WITH 7 PCS ADAPTOR



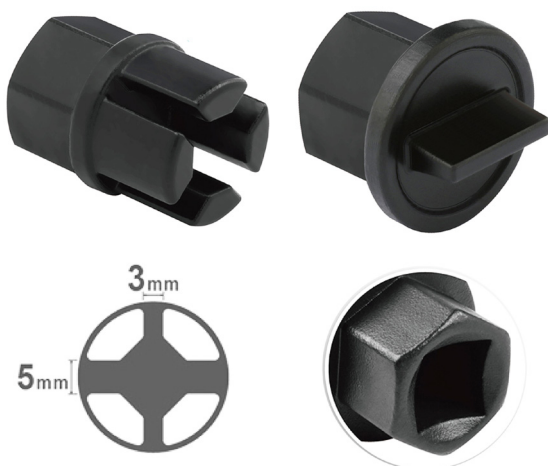
- Designed to remove diesel injector and EGR/ AGR valves without damage.
- Applications:
PSA/ Mercedes-Benz/ BMW/ Renault/ Hyundai Tucson (2009 onwards), ix35 (2009 onwards), Santa Fe (2009 onwards), Maxcruz (2009 onwards)/ Kia Sportage (R) (2010 onwards), Sorento (R) (2010 onwards), Carnival (2010 onwards).

Description	Specification
Piston Stroke (mm)	41
Free Speed (BPM)	4,500
Air Consumption (m³/min)	0.11
Sound Pressure (dBA)	99
Air Inlet	1/4"
Vibration (m/s²)	15.2
Air Pressure (Psi)	90
Hose Size (mm)	10
Weight (Kgs)	1.56
Overall Length (mm)	193

ITEM NO.	Description	
(A)	M25x1.0	Required for Siemens injectors.
(B)	M20x1.0	Required for Denso injectors.
(C)	M27x1.0	Required for Siemens injectors.
(D)	M12x1.75(Int)	Required for high pressure pipe union of the top of the injector.
(E)	M14x1.5(Int)	Required for Delphi injectors.
(F)	1. Equipped with 5/8" UNF internal thread 2. Equipped with 5/8" male thread	Allows up to 30° of angle to be applied for difficult access.
(G)	Allows the connection to both the internal M17 internal thread and	Required for Bosch injection removing dual connector adaptors

APB00216
OIL SERVICE TOOL KIT (OPEL/VAUXHALL)


- Used to remove and fit the plastic filter housing without damage.
- Kit includes tools for working on oil change service.
- Oil filter housing cap: 1/2" Dr.
- Plastic oil drain plug: 3/8" Dr. with 17mm
- Suitable for Opel/Vauxhall 1.5L diesel engine from 2019, Astra K, Insignia B (F15DVC/ F15DVH/ D15DVC/ D15DVH).

APB00217
TOOL SET FOR PLASTIC DRAIN PLUG (RADIATOR)


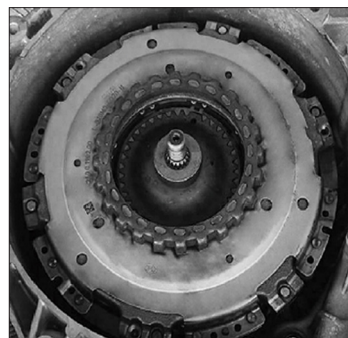
- Radiator drain plug tool with cross slot, designed to open and close most radiator drain plugs that have thumb screw type plug.
- Double slotted end (3mm X 5mm) for most vehicles.
- Suitable for Mercedes, BMW, Rolls Royce, Land Rover, Opel, Vauxhall, Ford, Volvo, IVECO, Chrysler, Dodge, Jeep, GM, Cadillac, Saturn, etc.
- Sizes: 3/8" Dr. with 17mm

APC00043

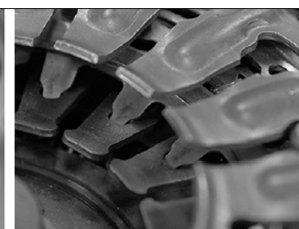
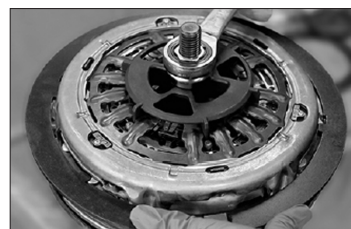
CLUTCH REMOVER/INSTALLER FIXTURE SET (FORD DPS6/6DCT250)



- Special tool for mounting and dismounting, removing dry transmissions, and aligning dual clutches for oil seal replacement.
 - Applications: B-MAX(2012~), EcoSport(2012~), Fiesta(2008~,2019), Focus(2010~2018), Focus RS(2016~2018), Transit/Tourneo Connect(2013~2019).
 - Removal:
 1. Remove and discard the hollow input shaft snap ring.
 2. Install the fixture tool.
 3. Remove the clutch as an assembly with the tool.
 - Installation:
 1. Remove the fixture from the clutch.
 2. Install the tool onto the transaxle case.
 - Contents:
 - 1PC Fixed Plate
 - 3PC Fixed Remover (with nut)
 - 2PC Input Shaft
 - 1PC Electromechanical Unit Sleeve
 - 2PC Threaded Rod
 - 4PC Long bolt (with nut)
 - 3PC Screw
- OEM Ref.: 307-675/ 307-677

APC00043-1
**ADAPTOR FOR CLUTCH REMOVER/INSTALLER FIXTURE SET
(FORD DPS6/6DCT250)**


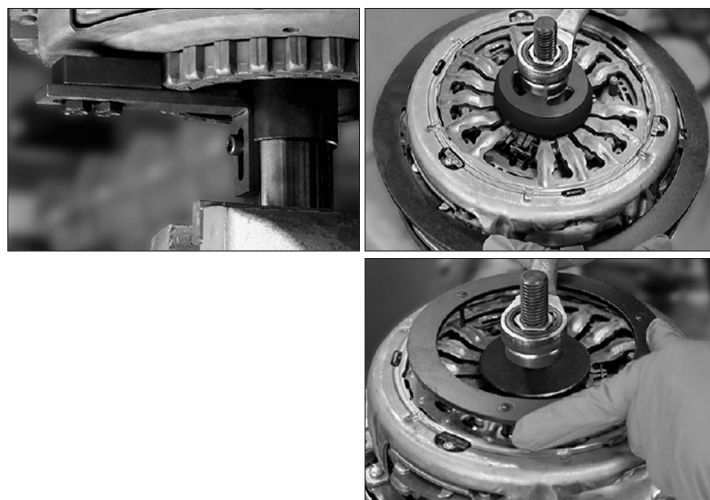
- For removal and fitting of the clutch on Fiesta 1.0L GTDi (2014~) with DPS6 and DMF.
- Tools are used with APC00043 (OEM Ref.: 307-675).
- OEM Ref.: 307-675-01/ 307-675-02

APC00044
CLUTCH RESET TOOL SET (FORD DPS6/6DCT250)


- Specially designed to remove, reset, and reinstall DPS6 dry dual-clutch transmission. The dual-clutch locking tool inside is used for dual-clutch locking and unlocking.
- Applications: B-MAX(2012~), EcoSport(2012~), Fiesta(2008~2019), Focus(2010~2018), Focus RS(2016~2018), Transit/Tourneo Connect(2013~2019).
- Contents:
 - Clutch 2 Adjustment Tool
 - Clutch 1 Adjustment Tool
 - Clutch 2 Remover/Installer Tool
 - Clutch 1 Remover/Installer Tool
 - Clutch Stand Tool
- OEM Ref.: 307-676

APC00044-1

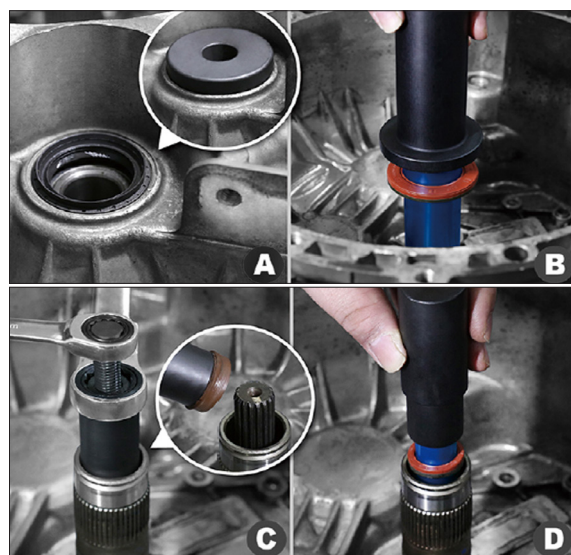
ADAPTOR FOR CLUTCH RESET TOOL SET (FORD DPS6/6DCT250)



- For fixing and refitting the automatic clutch.
- Suitable for Fiesta 1.0L GTDi (2014~) with DPS6 and DMF.
- Tools are used with APC00044 (OEM Ref.: 307-676).
- OEM Ref.: 307-676-01/ 307-676-02

APC00045

CLUTCH SEAL REMOVER/INSTALLER TOOL SET (FORD DPS6/6DCT250)



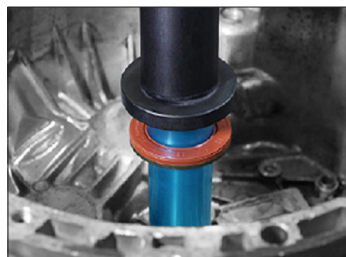
- Used to easily remove and install the input seal without damage and leakage for Ford DPS6/6DCT250 dual clutch.
- Applications: B-MAX(2012~), EcoSport(2012~), Fiesta(2008~2019), Focus(2010~2018), Focus RS(2016~2018), Transit/Tourneo Connect(2013~2019)
- Contents:
 - Axle Seal Installer
 - Input Guide Seal Installer Set
 - Outer Input Shaft Seal Remover
 - Outer Input Seal Installer Set
- OEM Ref.: 307-671/ 307-672/ 307-673/ 307-674

APD000050**HGV TORQUE ROD DISMANTLING TOOL**

- Efficiently and effectively remove transverse torque rods generally found on Neway and Hendrickson suspension systems for heavy-duty trucks and tractors.
- Allows to use in limited space without potential damage to the rod and surrounding parts.
- Manufactured from high-grade steel with heat treatment for strength and durability.
- Designed for impact tool (hand or air) up to 1" Dr.

APC00045-1

ADAPTOR FOR CLUTCH SEAL REMOVER/INSTALLER TOOL SET (FORD DPS6/6DCT250)



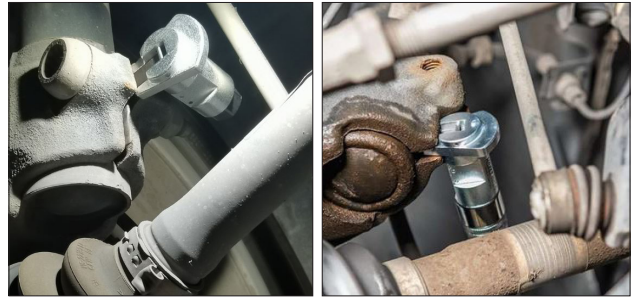
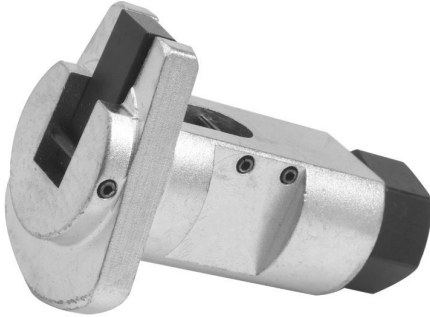
- Specially designed to remove and install input shaft seals on Fiesta 1.0L GTDi (2014~) with DPS6 and DMF.
- Applications: B-MAX(2012~), EcoSport(2012~), Fiesta(2008~2019), Focus(2010~2018), Focus RS(2016~2018), Transit/Tourneo Connect(2013~2019).
- Contents:
 - Input Shaft Outer Seal Installer
 - Input Shaft Inner Seal Remover
 - Input Shaft Inner Seal Installer
 - Input Shaft Inner Seal Protector
 - Lube Tube Installer

APC00046

GM/DODGE CLUTCH HOLDING WRENCH



- For installing and removing pressed-on or bolt-on water pump pulleys.
- Use with 1/2" ratchet or other square drive for adaptability in narrow spaces.
- Applications: Jeep and Dodge 2000 and newer Except 2009 and newer Hemi, GM gas engines 2000 and newer.

APD00044
UNIVERSAL WHEEL BEARING SPREADER


- To separate the suspension strut from wheel bearing housing.
- Feature: Parallel pressure surfaces.
- Prevent tool from accidentally jumping out or slipping off.
- Huge range of spreading space allows for universal use.
- Spreading range: 5mm - 11.5mm
- Drive: External hexagon 17mm

APD00045
BALL JOINT WRENCH SET - MERCEDES-BENZ


- For loosening and tightening of the ball joint nut.
- Suitable for most Mercedes with double wishbone from 2015.
- Low profile design with offset drive.
- Allows the ball joint pin to be held in place.

APD00046

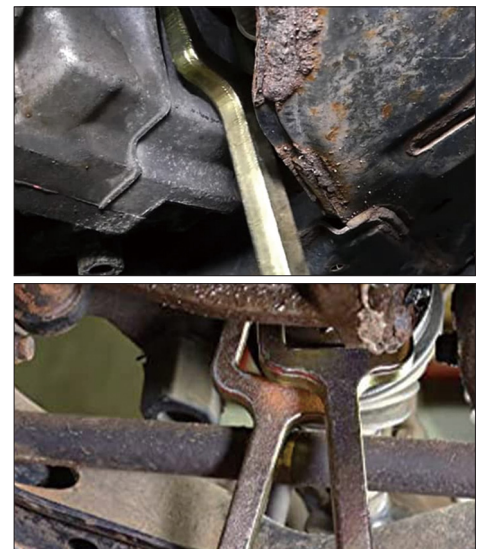
LOWER CONTROL ARM PRYING TOOL



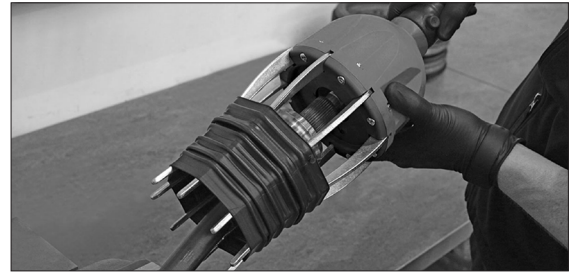
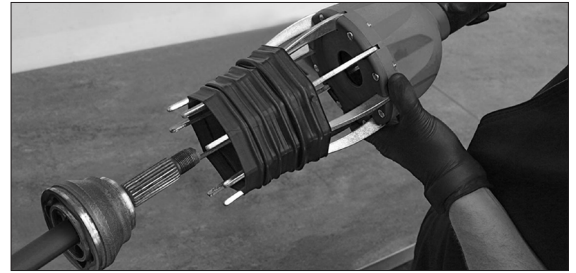
- The lower control arm prying tool is designed for prying down the lower control arm to separate the lower ball joint.
- Suitable for most front-wheel driver vehicles.
- Works with any 7/8" pry bar.

APD00047

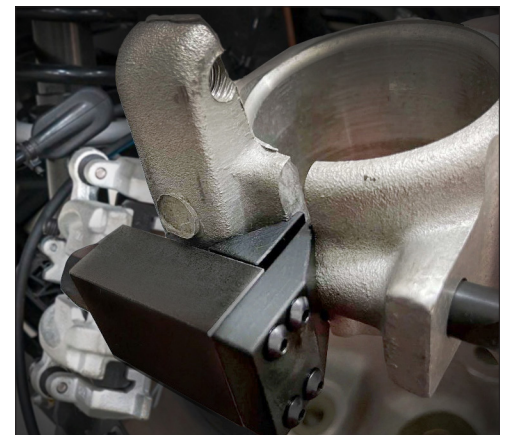
AXLE POPPER KIT



- Safer than a pry bar - the forked end applies even pressure to both sides of the shaft for release of the shaft.
- Strike the wedge or use it as a pry bar to release the half shaft with tapered ends.
- Shim included to fill the gap between the half shaft and transaxle.

APD00048
AIR CV JOINT BOOT INSTALLATION TOOL


- Simple setting and relief pressure button can be used to control the spread speed and the spreading arms will stop automatically when expanded to the limit.
- Comes with a control switch to control the air inlet.
- Maximum joint diameter: Ø115mm

APD00049
UNIVERSAL STEERING SPREADER


- Special V-design can distribute the spreading force across the inner face of the clamp to remain little room for loosening bolts.
- Controls the expansion of the clamp to make the strut out easily and quickly.
- Operating range: 4.4 - 10mm

APE00104

BRAKE DISC RUST REMOVAL TOOL SET



- To remove the rust, corrosion, and lip buildup around the edge of brake discs and hubs.
- Simply fix the handle on the brake disc with the original wheel bolt, hold the scraper on the disc edge, and rotate the handle to remove the rust and corrosion.
- The scraper is able to remove the old silicone on oil pans, carbon buildup on exhaust manifolds etc.
- Finely ground carbide double edges scrape residues off without leaving a damage on the surface.
- Premium tungsten carbide tip remains sharp for an extended period of time.

APE00105

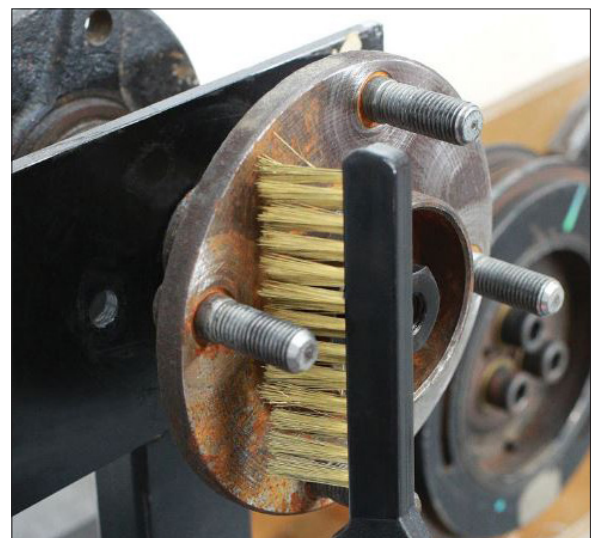
DODGE RAM HUB NUT SOCKET - 6 POINT



- Applications:
- 2006 (Ram Truck) - System (3 - Differential and Driveline)
- 2007 (Ram Truck) - System (3 - Differential and Driveline)
- 2008 (Ram Truck) - System (3 - Differential and Driveline)
- 2009 (Ram Truck 2500/3500) - System (3 - Differential and Driveline)
- 2010 (Ram Truck Cab Chassis, Ram Truck 4500, Ram Truck 1500) - System (3 - Differential and Driveline)
- 2011 (Ram Truck 1500) - System (3 - Differential and Driveline)
- 2012 (Ram Truck 1500) - System (3 - Differential and Driveline)
- 2013 (Ram Truck 3500, Ram Truck Heavy Duty, Ram Truck Cab Chassis, Ram Truck 4500, Ram Truck 2500) - System (3 - Differential and Driveline)
- 2014 (Ram Truck 3500, Ram Truck Heavy Duty, Ram Truck Cab Chassis, Ram Truck 4500, Ram Truck 2500, Ram Truck 4500/5500 Cab Chassis) - System (3 - Differential and Driveline)

APE00106-1**BRAKE CALLIPER STEEL BRUSH**

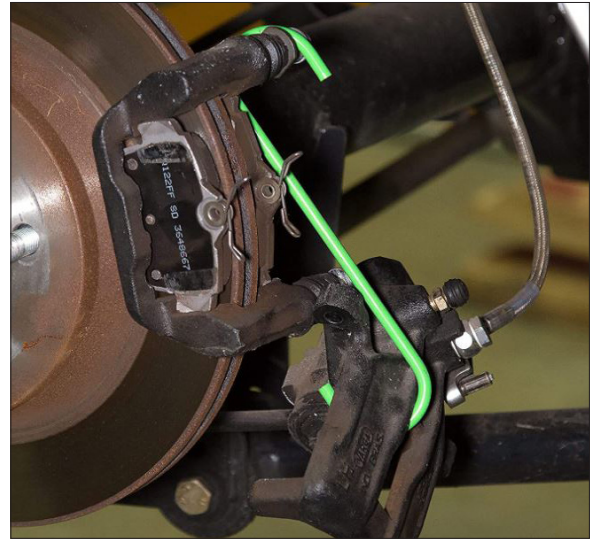
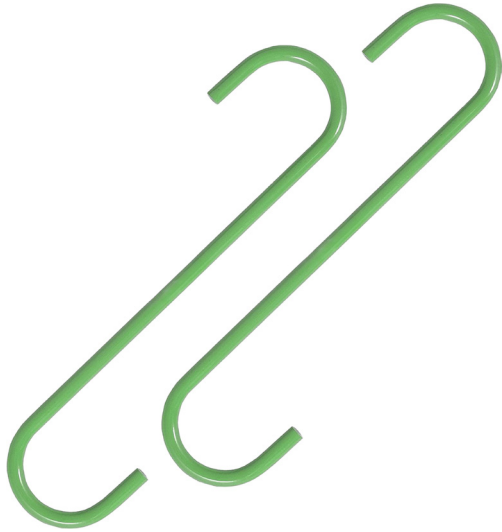
- Removes brake dust, rust, and other debris from brake caliper castings.
- The brush is made with heavy-duty steel wire and is angled to fit into tight places.
- The brush comes with molded handle grip for easy use.

APE00106-2**BRAKE CALLIPER COPPER BRUSH**

- For removal of brake dust and dirt in brake calipers.
- Plastic handle with suspension.

APE00107

CALIPER HANGER



- Not only are these great for holding calipers out of the way and preventing damage to brake hoses.
- Material: Aluminum

APE00108

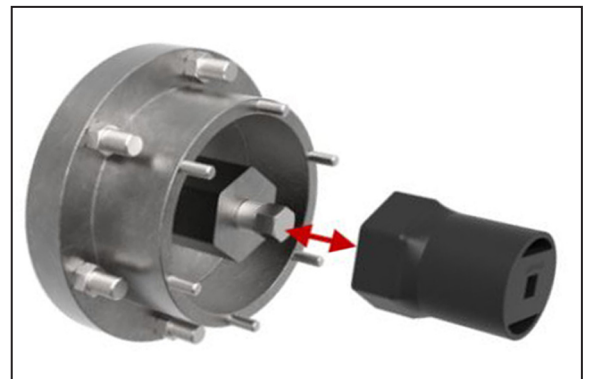
WHEEL STUD INSTALLER SET



- Use this tool to pull the new wheel stud in place securely.
- Put the stud installer over the stud shaft and tighten the wheel nut against the tool to pull the wheel stud in place.
- Can be used with a ratchet or impact wrench.
- Special bearing design reduces friction and prevents damage to stud threads, the design also makes the tool more durable.
- This tool makes wheel stud installation easy and fast.
- The small one is designed to fit studs up to 14mm (9/16") and works on most cars, light-duty trucks, and pickup trucks.
- The big one is designed to fit truck studs up to 22mm (7/8").

APE00109
6PC AXLE LOCKING TOOL SET


- Designed to allow the drive flange to be locked preventing rotation when loosening or tightening inner drive shaft mounting bolts and hub nuts.
- Durable plastic wheels prevent damage to brake components or hubs.

APE00123
HUB NUT SOCKET 55MM FOR TOYOTA


- Suits on Toyota, RN, LN, and FJ models with adjustable front hubs.
- The socket is devised for use only with 1/2" square drive manual tools; impact tools use a nullified socket warranty.
- Size: 55mm, 6-point rounded socket.

APE00110

HYDRAULIC HUB PULLER WITH ENLARGED PLATE



- Suitable for the removal of wheel hubs.
- Hydraulic ram provides 12 tons of power to extract the most stubborn hubs.
- Application: 4, 5, 6-hole hub rear axle.
- Specifications:
 - Disc diameter: 235mm
 - Hydraulic ram capacity: 12 Ton
 - P.C.D Range: 128-202mm
 - Wheel bolts up to M14

APE00111

HUB PULLER WITH ENLARGED PLATE WITH SLIDE HAMMER



- Specially for stuck and rusted wheel hubs.
- Fits cars, SUVs and light trucks.
- Fits 4, 5, and 6-hole hubs with a hole circle diameter of 96 to 125mm.
- Specifications:
 - Disc diameter: 148.5mm
 - Adaptor: 1-1/2 X 16UNF
 - Wheel bolts up to M14
- Contents:
 - Slide hammer 5.7kg (12.5lbs)
 - Spindle 950mm
 - Hub plate Ø148.5mm

APE00117
SMALL BRAKE DISC LIP REMOVAL TOOL


- Designed to remove the ridge and corrosion that form on brake discs, also ideal for gasket removal.
- Specifications:
 Length: 206mm
 Blade width: 10mm

APE00216
2PC BRAKE BLEEDING SPANNERS


- Specially designed caliper bleed nipple spanner simplifies brake bleeding.
- Fitted with neoprene rubber seals that stop air from being put into the system.
- Colour-coded for easy size identification.
- Sizes: 8mm X 9mm and 10mm X 11mm

APE00120

IMPACT RATED HUB REMOVAL BOLT KIT



- Designed to quickly push out the stubborn and corroded bolts on hubs without damage.
- Contains 2pc M12 press bolts and nuts, 2pc M14 press bolts and nuts, and two press feet.
- Easily use these M14 thread bolts and 15/16" (24mm) nuts and impact rated 3/4" (19mm) socket size M12 to push against the knuckle assembly and push the hub out.
- Use free hole locations that exist in the hub or hammer out 1-2 wheel studs to install these press bolts.

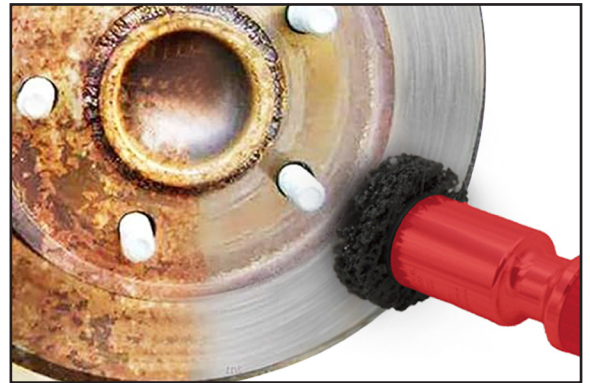
APE00121

WHEEL HUB REMOVAL TOOL



- Used to safely and quickly dismantle wheel assemblies / frozen hub assemblies without damaging the axle.
- Fits all axle bolted hubs, including 5, 6, and 8 lug hubs.
- 20mm steel backing plate and braced striking plate for long life.

Size	Thread	QTY
M12	1.5	2
M14	1.5	2
5/8"	18	2
9/16"	18	2
1/2"	20	2
7/16"	20	2

APE00452**HUB BUDDY IMPACT DRIVEN SURFACE AND STUD CLEANING**

- Removes rust, corrosion, and other build-up from wheel studs, drums, and tire rim to help proper torque of lug nuts.
- Designed to be used with a 1/2" impact wrench.
- Contents: Disc holder; Cleaning disc Ø14mm (Optional: Ø16mm disc)

APF00036

2PC PANEL GAP CONTROLLER



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

APF00069

OMEGA CLIP REMOVAL TOOL-VAG/ TESLA/ MERCEDES



- Used to remove omega clips that hold body panels on VW, Skoda, Seat, Audi, Porsche, etc.
- Also suitable for Tesla Model Y (trunk trim), Model X (falcon wing door trim), and Mercedes (2008-2020).
- OEM Ref.: T40280

APF00070
STEPPED LEVER WEDGE

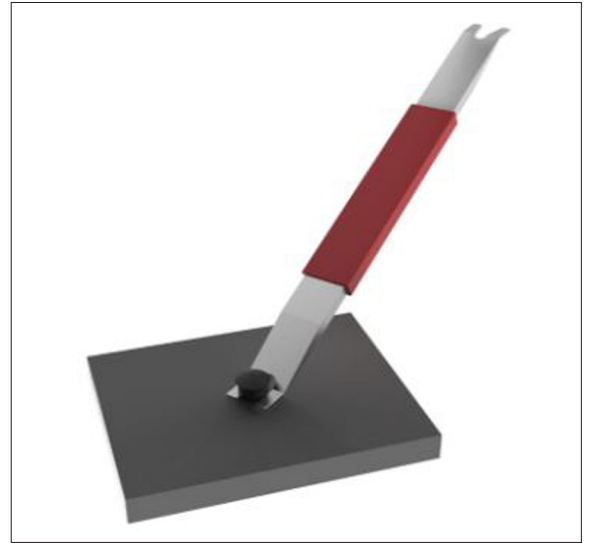
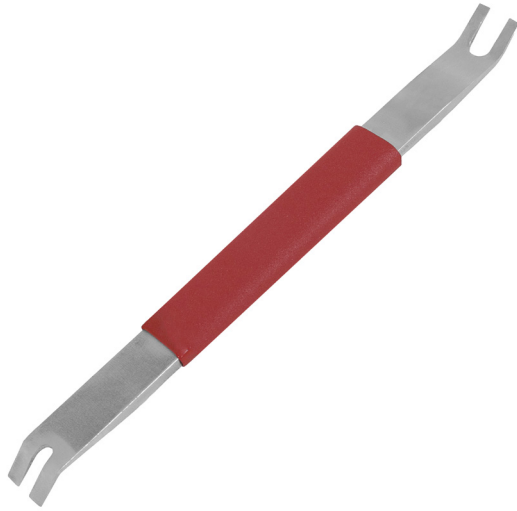

- Designed to assist alignment of panels and glass.
- Steps in the tip to help gauge consistent spacing when resetting panels or glass.
- Manufactured from POM material which is rigid and non-marking.
- Won't damage painted or glass surfaces.

APF60000
7PC DOLLY SET


- Specifically made for repair work on aluminum car bodies.
- For small dents and dings, synthetic body tools can often perform a repair without the need to paint.
- Manufactured from POM material which is rigid and non-marking.
- The high abrasion resistance and non-corrosive interaction with aluminum.

APF00073

DOUBLE-ENDED CLIP LIFTER



- The dual-ended tool provides easy access when removing plastic clips.
- The smaller opening is ideal for boosting the center pin and the wider is good for lifting the fastener off the panel.
- Service: plastic fasteners, plastic clips, upholstery, or door panels.
- Overall length: 200mm

APG00235
ALUMINUM LINE CLAMP TRIPLE PACK

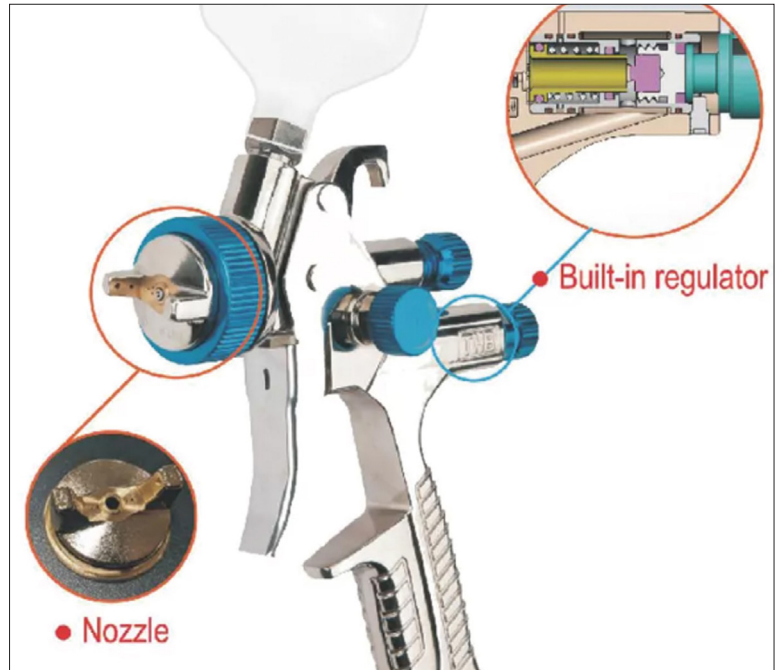

- Smooth rounded jaw edges prevent damage to internal hose reinforcement.
- Equipped with anti-slip design.
- Material: Aluminum
- Small size ranges from 11mm to 19mm.
- Medium size ranges from 22mm to 42mm.
- Large size ranges from 22mm to 60mm.

APG00562
3PC HOSE CLAMP PLIERS SET


- Smooth rounded jaw edges prevent damage to internal hose reinforcement.
- Made from durable glass reinforced nylon.
- Equipped with anti-slip design.
- Small size ranges from 11mm to 19mm.
- Medium size ranges from 22mm to 42mm.
- Large size ranges from 22mm to 60mm.

APG00603

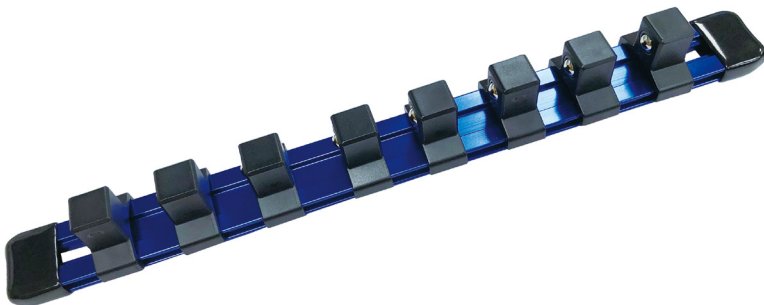
H.V.L.P GRAVITY FLOW CUP SPRAY GUN



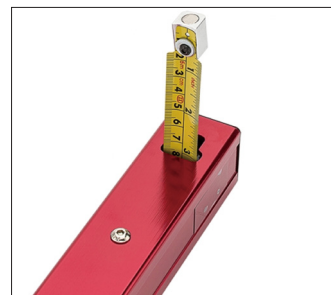
- Built-in regulator for stabilizing output pressure and better atomization.
- Stainless trigger and nozzle are designed for water-based paint.
- Transparent cup with scale for checking paint easily.
- Body material: Aluminum
- Applications:
Coating / Sheet metal part painting for automobile and furniture/ Wall painting.

APG00822

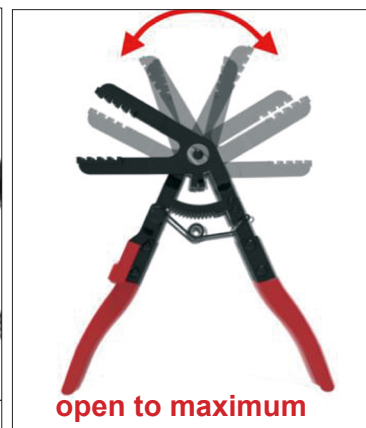
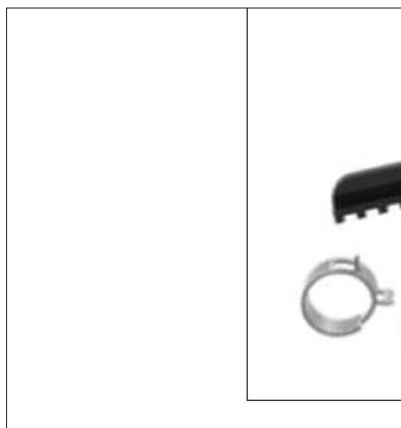
1/2" DR ALUMINUM SOCKET HOLDER-8 CLIPS



- Premium aluminum rail is light, durable and corrosion-resistant, and comes with open slots on both ends for convenient hanging and mounting.
- Ball bearing retainer loaded on each clip for maximum grip.
- Available for multiple anodized color and size choices.

APG00609
CHASSIS HEIGHT MEASUREMENT TOOL (320MM)


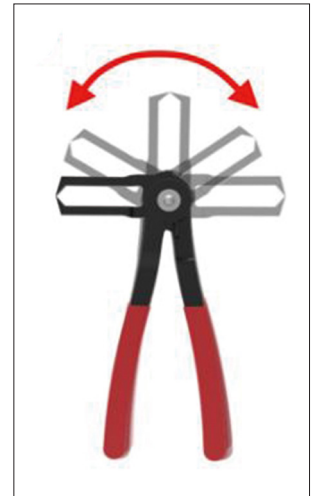
- Features with 3 different working styles:
 1. Car on the ground - measures chassis height directly, accurate to 1/16".
 2. Car on scale pads - measures from the top of pads at ground level to frame directly (no subtracting needed here).
 3. Measures chassis height dynamically. Magnet holds tape to frame and indicator shows height as the car moves up and down. Use 4 sets to quickly see height at all 4 corners.
- 36" for straight rail cars on right side.
- Measures height from 2" to 15".
- Works in 3 different ways – with scale pads or not.
- Metric scale available from 50mm to 350mm.

APG00610
ADJUSTABLE UNIVERSAL HOSE CLAMP PLIER


- Special jaw design allows hose clamps to be removed at many different angles.
- Clever spring loaded locking function allows for one-handed operation.
- Fits most of vehicles hose clamps.
- Jaw capacity: 0mm to 50mm

APG00611

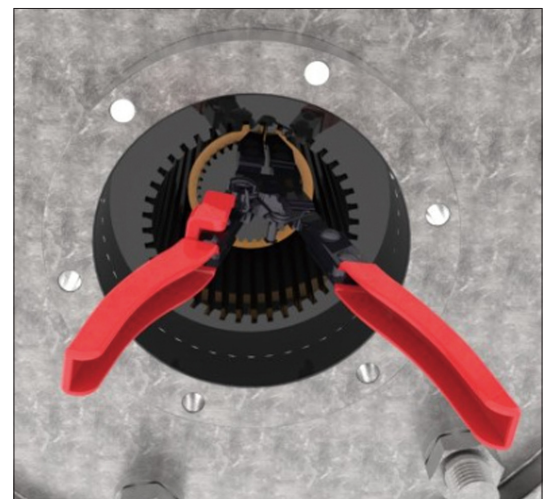
ADJUSTABLE PLASTIC SNAP PLIER



- Quickly remove plastic anchors that have center pins.
- Specially designed jaws allow for five different angles.
- Plastic handle grips help avoid shock.

APG00612

SPINDLE SNAP RING PLIERS FOR FORD SUPER DUTY



- Ratcheting lock mechanism holds the snap ring open for easy removal and installation.
- Used to replace the spindle snap rings found on 2007 and newer Ford Super Duty Pickups.
- Rigid plier design with narrow tips to fit into the 2-1/2" inside diameter of the hub.

APG00407
FRONT WHEEL BEARING PULLER - FORD TRANSIT


- This kit has been developed to remove the front wheel bearing housing from the front drive flange.
- Applications: Front wheel drive Ford Transit (2006 onward)
- Includes:
 - 1PC Impact force screw
 - 1PC Flange adaptor
 - 1PC Large adaptor (Ø 76.5mm)
 - 1PC Small adaptor (Ø 43.5mm)
 - 1PC Hex screws/Hex nuts (M10)
 - 1PC Spanner
 - 1PC Half shell coupling for bearing ring
 - 3PCS Trailing arm f. half shell coupling
 - 2PCS Locking pin f. half shell coupling

APG00578
NON-REBOUND SOFT HAMMER


- Mallets have heads and faces made from softer materials, making them perfectly suited to pounding on a variety of materials without denting or damaging workpieces.
- With easily replaceable nylon heads (hardness 74±5 Shore D).

APG00586

RECOILLESS SOFT FACE HAMMER



- Mallets have heads and faces made from softer materials, making them perfectly suited to pounding on a variety of materials without denting or damaging workpieces.
- The head is filled with steel balls that can cancel the rebound effect.
- The wood handle has steel tubular for over striking protection.
- Hardness: 74±5 Shore D

APG00596

MULTI-POSITION INTERNAL / EXTERNAL SNAP RING PLIERS



- Length: 96mm
- Body Material: Steel
- Handle Material: PP
- Angle: 180-degree
- Size: Ø0.9mm, Ø1.7mm, Ø2.5mm

APG00597
INTERCHANGEABLE INTERNAL / EXTERNAL SNAP RING PLIERS


- Body Material: Steel
- Handle Material: PP
- Straight, Tip Size: Ø0.95mm & Ø1.2mm, Ø1.2mm & Ø1.8mm
- 45 Degree, Tip Size: Ø1.2mm
- 90 Degree, Tip Size: Ø1.2mm

APG00620
ATOMIZING PRESSURE SPRAYERS


- Patent design – Manual pressure pump very fine atomizing for deep cleaning.
- Adjustable nozzle design allows the product even spray.
- Material: Detergent-resistant.

APG00621

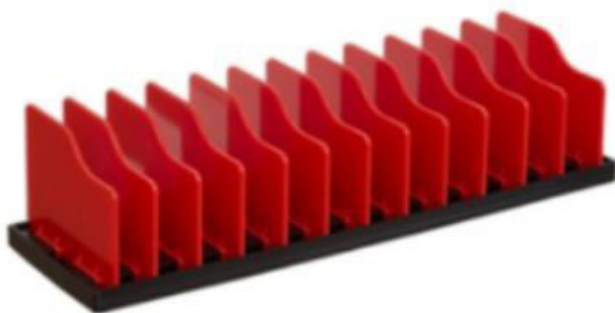
OIL FUNNEL FILLING KIT



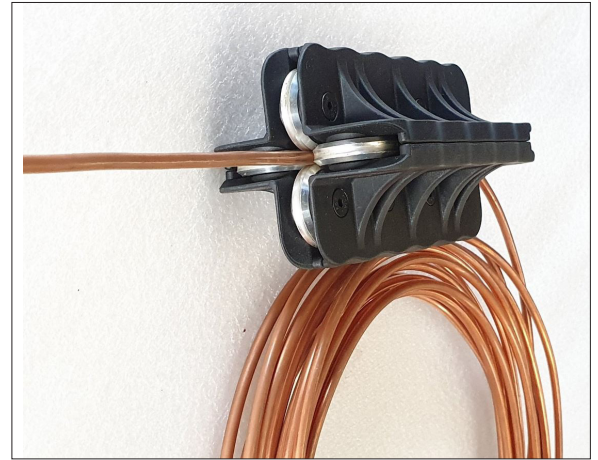
- Wide mouth opening for faster, spill-proof oil filling.
- Built-in strainer for filtering liquids.
- Patented design on bleed tube helps prevent air locks.
- 45 degree elbow for hard to reach filling tubes.

APG00623

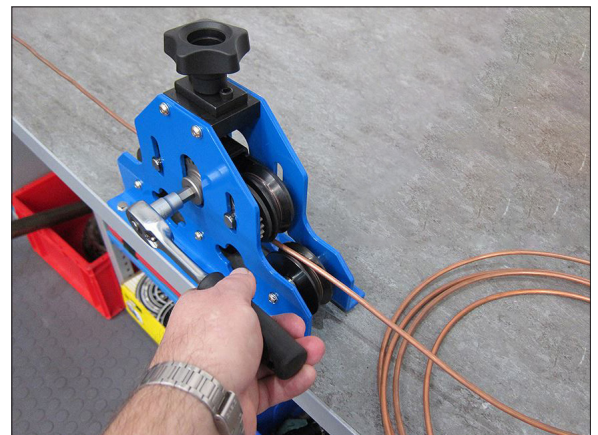
PLIER RACK



- Size: 19 X 90 X 300mm
- Material: Plastic tray with ABS rack
- Colour: Black tray with red rack(185C)
- Can hold 12pcs pliers.

APG00624
PIPE STRAIGHTENING TOOL


- Compatible with all types of light wall coiled tubing.
- Material including: Copper, Brass, Aluminum, Stainless Steel, Semi-Flexible Coaxial cable, etc.
- Metric Sizes: 4mm, 5mm, 6mm, 8mm, 10mm, 12mm
- SAE Sizes: 1/8", 3/16", 1/4", 5/16", 3/8", 1/2"

APG00625
TUBE STRAIGHTENER


- Features:
 1. Fully adjustable from 7/16" to 1/2" tubing.
 2. Vise or bench mount double brackets.
 3. Heavy duty construction.
 4. Suitable for mounting in a bench vice.

APG00627

TELESCOPIC TUBE CUTTER



■ Features:

1. With removable internal deburred.
2. Includes spare wheel under the cover cap on the rotary handle.
3. With 2 support rollers in stainless steel.
4. With a large knurled knob.
5. Capacity for 3mm to 38mm (1/8" to 1-1/2") O.D. tube

APG00628-1

EXTRA LONG TWIN JOINT ANGLED NOSE PLIERS



- Full polished carbon steel.
- Compound joint allows for minimal handle opening in tighter spots.
- 340mm overall length is ideal for use in hard to reach areas.
- This model has an angled bent nose.

APG00628-2**EXTRA LONG TWIN JOINT LONG NOSE PLIERS**

- Full polished carbon steel.
- Compound joint allows for minimal handle opening in tighter spots.
- 340mm overall length is ideal for use in hard to reach area.

APG00628-3**EXTRA LONG TWIN JOINT FLAT NOSE PLIERS**

- Full polished carbon steel.
- Compound joint allows for minimal handle opening in tighter spots.
- 340mm overall length is ideal for use in hard to reach areas.
- This model has a flat nose.

APG00629-1

EXTRA LONG TWIN JOINT SPARK PLUG CONNECTOR PLIERS-19MM



- Twin joint spark plug connector pliers for access to deep seated spark plugs.
- 19mm diameter, 340mm extra long spark plug connector pliers allow access to deep seated spark plugs.
- Double joint requires less space to operate.
- Angled gripper head for ease of removal and insertion of spark plug connectors, even when the engine is warm.

APG00629-2

EXTRA LONG TWIN JOINT SPARK PLUG CONNECTOR PLIERS-12.7MM



- Twin joint spark plug connector pliers for access to deep seated spark plugs.
- 12.7mm diameter, 340mm extra long spark plug connector pliers allow access to deep seated spark plugs.
- Double joint requires less space to operate.
- Angled gripper head for ease of removal and insertion of spark plug connectors, even when the engine is warm.

APG00629-3
EXTRA LONG TWIN JOINT SPARK PLUG CONNECTOR PLIERS-7.9MM


- Twin joint spark plug connector pliers for access to deep seated spark plugs.
- 7.9mm diameter, 340mm extra long spark plug connector pliers allow access to deep seated spark plugs.
- Double joint requires less space to operate.
- Angled gripper head for ease of removal and insertion of spark plug connectors, even when the engine is warm.

APG00630
HYDRAULIC CYLINDER OPERATION REPAIR TOOL


- This tool set is designed for hydraulic operation.
- Two specially designed adaptors, accurate and safe guidance of the hydraulic cylinder and the clamping nut fixed on the wheel hub bearing tool set the center.
- The kit is designed to press out of the universal joint drive shaft/drive shaft.

APG00631

STAKED AXLE NUT PUNCH



- Special designed staked axle nut punch provides an easy and fast way to both release and stake axle nuts.
- Suitable for crush-type axle nuts found on many vehicles.
- Using the punch simply with a hammer to fully disengage the staked axle nut and reduce the damage to the threads.
- This punch can also re-stake the new axle nut to lock it in place.

APG00655

COPPER HAMMERS 1.5KG



- The square hammer head and flat face are manufactured from 99% copper.
- Available with various size heads: 250 gm, 500 gm, 800 gm, 1000 gm, 1500 gm, 2000 gm, 2500 gm.

APG00657
SHEET METAL NIBBLING TOOL

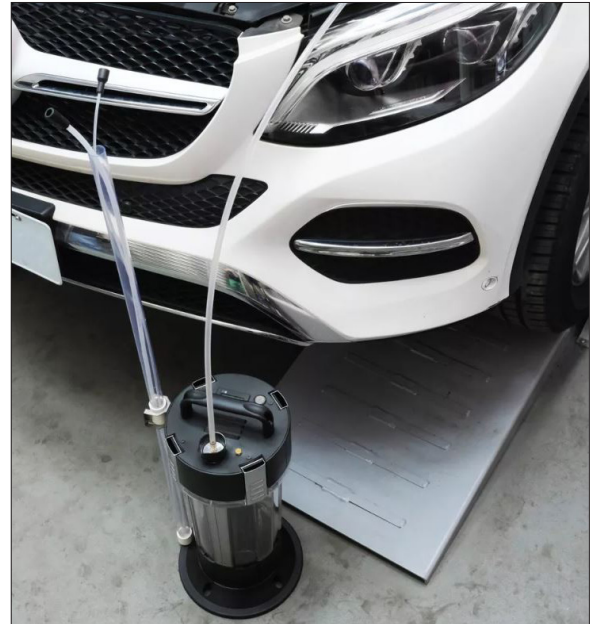

- Works on non-hardened sheet metal and non-brittle plastic.
- Cuts desired shape of straight curved and inside mid-span easily.
- Cuts and trims without bending or distortion on the edges.
- Drill a 3/8" or Ø9.5 hole to open and start an inside cut.
- Specification:
 Sheet metal 0.5mm - 1.2mm thickness.
 Plastic 0.5mm - 1.6mm thickness.

APG00658
CABLE TIE REMOVAL TOOL


- Designed for maintenance and repair DIY use.
- Cut the tie or the head of cable tie simply.
- Features a sharp blade, spring-loaded, and ergonomic dual-color grip.

APG00662

ELECTRIC OIL EXTRACTOR SET WITH 12V ALLIGATOR BATTERY



- Electric oil suction toolset powered by 12V battery (not included), easy to use, and no need for an air compressor.
- Special level detection mechanism that shuts off the pump automatically when fluid level reaches 4.3L to prevent the tank from being overfilled.
- Tank capacity: 5.5 liter / 5.8 quart. Special materials that can be made transparent, heat resistant, and suitable for extracting engine oil, coolant, and ATF.
- Extension tubes with outer diameters in Ø 4mm, 6mm, and 8mm, suitable for oil dipstick tubes on different car makes.
- Total tube length 2,700mm / 8.9ft (main tube connected with an extension tube) can reach oil dipsticks on tall engine bays on SUVs, pickups, and light trucks.
- Extension tube storage system and tank lid can be detached easily for cleaning purposes.
- Sturdy round base that holds the tank in place and avoids wobbling.

APG00663
5PC 3/8" DRIVE DEEP TWIST EXTRACTOR SET - SAE / METRIC


- Twist the extractor socket for removing worn, stripped, or rusty bolts and nuts.
- Deep socket is suitable for hard to reach fasteners, exposed studs, recessed nuts, and bolts, or rounded-off spark plugs.
- 6 Point Twist Size: 3/8", 7/16" (11mm), 1/2", 9/16" (14mm), and 5/8" (16mm).
- Use with a 3/8" square drive.
- Length 63.5mm or 2-1/2".

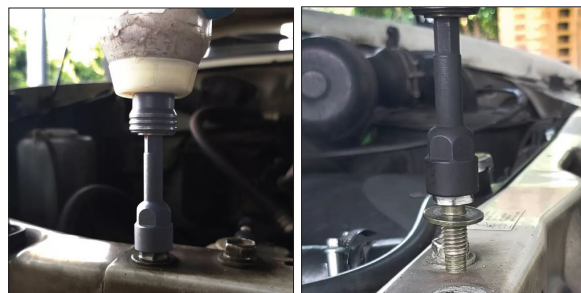
NOTE: For removal only. Do not use these extractors to install new bolts and nuts.

APG00664
10PC 3/8" DRIVE DEEP TWIST EXTRACTOR SET - SAE / METRIC


- Twist the extractor socket for removing worn, stripped, or rounded off bolts and nuts.
 - Sockets with 6 point twist, 3/8" square drive, and external hex.
 - Length: 27.2mm
- NOTE: For removal only. Do not use these extractors to install new bolts and nuts.**

APG00665

1/4" HEX OUTPUT DRIVE TWIST EXTRACTOR SET - SAE



- Removes worn, rusty, or deformed fasteners with a 1/4" output impact drive.
- Sizes include 1/4", 5/16", 3/8", 7/16", and 1/2".

NOTE: For removal only. Do not use twist sockets to install new nuts.

APG00667

UNIVERSAL HAND DEBURRING TOOL SET



- Universal deburring set including 6 tools for use on a variety of materials including steel, aluminum, brass, copper, and plastic.
- Contents:
 - 1PC Scraper blade for straight edge, holes
 - 1PC Scraper blade for aluminum and plastic
 - 1PC Scraper blade for casting iron, brass, and stainless
 - 1PC Countersink blade: Range 1mm - 10.4mm
 - 1PC Countersink blade: Range 1mm - 20mm
 - 1PC Outside chamfering cutter: 4mm - 18mm
 - 1PC Holder handle

APG00668
4 IN 1 FOLDING UNIVERSAL DEBURRING TOOL

Includes:

1. Material: SUJ2 – Works best on steel, aluminum and plastic.
2. Material: H.S.S – Works best on brass, and cast iron and stainless steel.
3. Material: SUJ2 – Ideal for tool and die makers.
4. Material: SUJ2 – Countersink blade range from 1mm - 10.4mm, angle 90-degree.

APG00669 、 APG00670
AUTOMATIC FEED TUBE CUTTER
APG00669

APG00670


- With one spare blade in knob.

Part No. Capacity
APG00669 3mm - 22mm
APG00670 3mm - 32mm

APG00671

FLAT TYPE BIT STORAGE WRENCH



- A thin ratchet handle that is convenient in narrow spaces.
- Use with 1/4" bit and 1/4" square drive.
- Overall Length: 103mm

APG00672

72T MINI RATCHET



- Material: Stainless Steel
- Teeth: 72T
- Overall Length: 98mm

APG00674
86 IN 1 BONE WRENCH


- All-in-one socket wrench for a broad range of projects.
- 72 teeth gearing.
- Multi-drive design fits 86 different sizes of 6 different fastener types:
 1. Use for Hex, Round Hex, 12 point, and Spline sizes: 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 8, 10, 11, 13, 14, 16, 17, 19mm.
 2. Use for Square sizes: 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 7, 9, 10, 11, 13, 14, 15, 17mm.
 3. Use for Star sizes: E10, E12, E14, E16, E18, E20, E22, E24.

APG00677
JACK LIFTING PADS SET FOR TESLA MODEL 3 / Y


- Tesla specific lifting jack pads are designed to fit directly into the vehicle lifting points to prevent any damage to the battery when lifting the vehicle.
 - Suitable for use with a trolley jack or 2-post lifting ramp, which has a lift pad of at least 70mm (2-3/4") diameter.
 - Applications: Model 3 and Y.
 - Manufactured from non-compressible and non-marring Acetyl plastic, with a rubber O-ring.
- NOTE: The jack pads are not intended to be permanently installed on the car and should be removed after use.**

APG00678

JACK LIFTING PADS SET FOR TESLA MODEL S / X



- Tesla specific lifting jack pads are designed to fit directly into the vehicle lifting points to prevent any damage to the battery when lifting the vehicle.
 - Suitable for use with a trolley jack or 2-post lifting ramp, which has a lift pad of at least 70mm (2-3/4") diameter.
 - Applications: Model S and X
 - Manufactured from non-compressible and non-marring Acetyl plastic, with a rubber O-ring.
- NOTE: The jack pads are not intended to be permanently installed on the car and should be removed after use.**

APG00679

JACK LIFTING PADS SET FOR CORVETTE C5/ C6/ C7/ C8



- Chevy Corvette specific lifting jack pads are designed to fit directly into the vehicle lifting points to prevent any damage to the battery when lifting the vehicle.
 - Suitable for use with a trolley jack or 2-post lifting ramp, which has a lift pad of at least 70mm (2-3/4") diameter.
 - Applications: C5/ C6/ C7/ C8
 - Manufactured from non-compressible and non-marring Acetyl plastic, with a rubber O-ring.
- NOTE: The jack pads are not intended to be permanently installed on the car and should be removed after use.**

APG00680**DOWEL PIN PULLER MASTER SET**

- A simple and effective method for removing dowel pins.
- Can be used with an air ratchet or traditional ratchets.
- Elimination of the slide hammer saves time and money while eliminating the potential for injury.
- Metric Sizes: 4mm, 5mm, 6mm, 8mm, 10mm, 12mm
- SAE Sizes: 3/16", 1/4", 5/16", 3/8", 1/2"

APG00682**WATER / FUEL SEPARATION FUNNEL 2L**

- Remove water, dirt, and debris from fuel, powerful filtration efficiency gives you clean fuel.
- Water and debris will not pass 420µm stainless filter and only filtered fuel flows through to the engine. Suitable for gasoline, diesel, heating oil, and kerosene 2-cycles mixed gas.

APG00683

AIR BLOW GUN



- Stronger and more target stream.
- Targeting hard-to-reach space.
- Guided stream providing wider cleaning area.
- More efficient compared to traditional design.

APG00687

MANUAL FLUID DISPENSER



- Capacity: 1 L / 0.13 oz per stroke
- Type: Piston - Spring Operated
- Maximum fluid temperature: 140°F / 60°C
- Wetted parts: Steel, Aluminum, and PVC

APG00704
PP LEVER ACTION DIAPHRAGM PUMP


- With PP piston, 3 pcs PP telescopic tube.
- Application: Weak acid, alkali, diesel, kerosene, machine oil, and low-viscosity lubricant.
- Capacity: 400 c.c. per stroke

APG00705
PLASTIC LEVER ACTION DRUM PUMP


- Applicable Liquids: Weak acid and alkaline solutions, diesel fuel, kerosene, lubricant, water, plus water-based chemicals.
- Applicable drum: 5 to 55-gallon drums.
- Wetted material: PP, PE, 304SS.
- Capacity: 300 c.c. per push

APG00710

HIGH FLOW ROTARY DRUM PUMPS



- This versatile drum pump is suitable for the transfer of low viscous fluids such as gasoline, kerosene, diesel, machine oil, low-consistency lubricant, etc.
- Counterclockwise or clockwise for discharging or suctioning freely.
- One liter per rotation and 100 liters per minute.
- Vertical conveying distance 15M, horizontal conveying distance 50M.
- With 1-meter tube, a PE hose, and level spout.
- Applicable Drum: 5, 30, and 55-gallon drums

APG00711

HIGH-FLOW ROTARY DRUM PUMPS WITH FUEL FILTER



- This versatile drum pump is suitable for the transfer of low, viscosity fluids such as pure gasoline, kerosene, diesel, machine oil, etc.
- Counterclockwise or clockwise for discharging or suctioning freely.
- One liter per rotation and 100 liters per minute.
- Vertical conveying distance 15M, horizontal conveying distance 50M.
- With 2 pcs suction tube, a black rubber hose, 90 degrees spout, nozzle, and fuel filter.
- Applicable Drum: 15, 30, and 55-gallon containers.

APG00712**THREE VANES ROTARY HAND PUMP**

- Made from advanced non-oxidation and rust-resistant materials-stainless steel and polyphenylene sulfide (Ryton).
- Ideal for transferring soluble, corrosive, volatile, and aggressive chemicals, such as esters, alcohols, alkalis, acids, hydrocarbons, and other fluids are compatible with pump component materials.
- Also suitable for transferring petroleum based fluids, transmission fluids, and water-based chemicals.
- Supply with 2" bung adaptor and 3-piece plated steel suction tube to fit most 15, 30, and 55-gallon drums.
- Self-priming unit, dispenses approximately 400 ml per stroke.
- Pump type: Rotary - 3 Vanes
- Flow: 400 ml/rotation
- Maximum fluid temperature: 140°F / 60°C
- Mounting: 2" MNPT Bung adaptor
- Suction tube length: 40" Maximum
- Inlet: 1-1/4" O.D.
- Outlet: 1" O.D. Curved Spout
- Wetted parts: PPS, 304SS, and PTFE
- Maximum viscosity: 2,000 SSU
- Option: Polyethylene extension hose

APG00713

STAINLESS STEEL ROTARY DRUM PUMP



- Ideal for transferring soluble, corrosive, volatile, and aggressive chemicals, such as esters, ketones, alcohols, bases, alkalis, acids, hydrocarbons, chlorinated hydrocarbons, and water-based liquids which are compatible with pump component materials.
- Also suitable for transferring petroleum-based fluids of light to medium viscosity, such as automotive additives, diesel, lube oils, kerosene, solvents, thinners, benzene, cleaning solutions, fuels oils, transmission fluid, machine oils, motor oils, etc.
- Pump type: Rotary
- Flow: 280 ml / stroke
- Maximum fluid temperature: 140°F / 60°C
- Mounting: 2 inch MNPT Bung adaptor
- Inlet size: 1-1/4 inch O.D
- Suction tube: 3-Piece
- Outlet size: 1 inch O.D. curved spout
- Outlet type: Curved discharges spout
- Wetted parts: 304SS, PPS, PTFE
- Maximum viscosity: 2,000 SSU

APG00717
HAND OIL PUMP 20L


- The pump is a down-stroke style and features a drain back nozzle holder to ensure the excess oil back into the pail to prevent spills and accidents, comes with a non-drip nozzle that contains a filter inside it.
- This pump is self-priming.
- Wetted materials of construction: Steel and Nylon
- Maximum fluid temperature: 140°F / 60°C.
- Pump type: Piston
- Flow: 70 ml/stroke
- Mounting: Pail adaptor
- Maximum viscosity: 5,000 SSU

APG00858
COPPER HAMMER 8 OZ


- The hammer head is manufactured from 99% copper.
- Available with various size heads: 8 oz, 16 oz, 24 oz, 32 oz, 48 oz
- Wood handle accessible: Hickory, Hardwood, ASH

APG00675

UNIVERSAL EXTENDER WRENCH TOOL 245MM



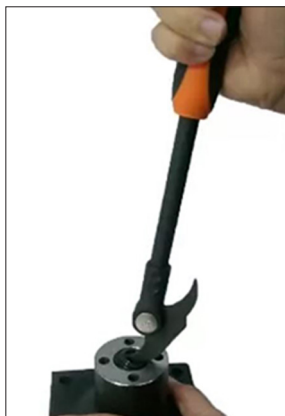
- Perfect fit for spanners and wrenches.
- Provides additional leverage and increases force for stubborn and tight nuts.
- Increases length for extra reach and access to otherwise unreachable and awkward areas.
- Length: 245 mm

APG00760

HYDRAULIC PIN AND BUSHING ADAPTOR 20 TON



- Easily removes pivot pins on loaders, excavators, tractors, and a variety of farm equipment.
- Capacity: 20 Ton

APG00755-1
ADJUSTABLE SEAL PULLER


- Offer 15° angle selections to do nice job.
- The twin jaw with precision heat treatment.
- Push down the gear clutch to choose the required angle.
- Overall length: 280mm (11")
- Thickness of front jaw: 4.8mm
- Thickness of gear jaw: 4.8mm

APG00755-2
DOUBLE JOINT ADJUSTABLE SEAL PULLER


- Designed to quickly and easily remove oil and grease seals.
- Comes with twin pick jaw made from CR-V and precision heat treatment.
- Double joint design offers 15° angle selections and goes into deeper space.
- Push down the gear clutch to choose the requested angle.
- Overall length: 12.5"
- Thickness of jaw: 5mm

APG00756

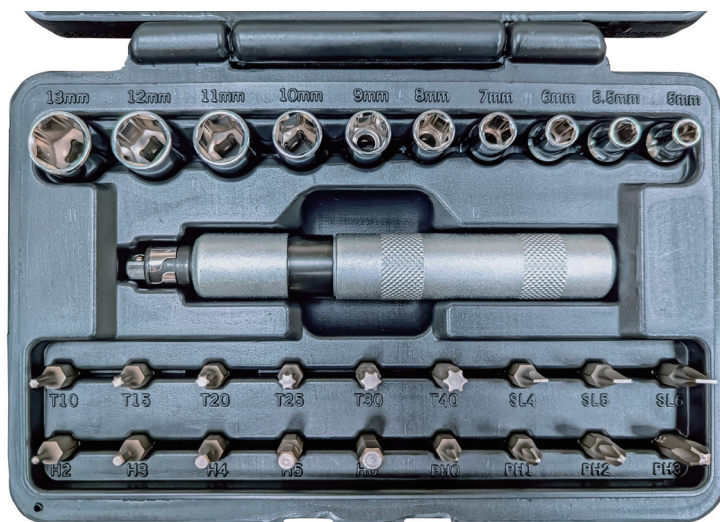
5-IN-1 PROFESSIONAL TUBE BENDER



- Capable of bending 1/4", 5/16", 3/8", 1/2", and 5/8" tubes with ease.
- Features a calibration scale (0°-180°) for easy accurate bending of right and left bends.
- Works on copper, brass, and thin stainless steel pipes in the air conditioner installation and vehicle repair.

APG00757

IMPACT DRIVER KIT



- Specially designed to work as a screwdriver, nut driver, and impact driver.
- Allows to loosen screws, bolts, and nuts with a few strikes of a hammer and without causing damage.
- Contents:
 - 1/4" Micro impact driver
 - Metric impact sockets: 5mm, 5.5mm, 6mm, 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm
 - Torx: T10, T15, T20, T25, T30, T40
 - Phillips: #0, #1, #2, #3
 - Hex: 2mm, 3mm, 4mm, 5mm, 6mm
 - Slotted: 4mm, 5mm, 6mm

APG00758
PNEUMATIC FLUID DISPENSER WITH WITHDRAW FUNCTION


- Air fluid dispenser suitable for lubricant, antifreeze, diesel, and low viscosity fluid such as water.
- Withdraw dispensing fluid from the source to fulfill dispensing tank.
- Translucent design to check fluid level.
- Air release valve to avoid pressurizing.
- Trigger handle design for quick and easy operation.
- Capacity: 10 Liter

APG00759
ECONOMIC PARTS WASHER


- Designed to fit most 5-gallon buckets.
- Tapered basin with cord and hose channels allows a snug fit.
- Self-contained 4.5 gallon/minute submersible pump for strong, continuous cleaning power.
- Capacity: 3 Liter
- Voltage: 110V

APG00735

ROTARY DRUM PUMP FOR ADBLUE/DEF



- The pump is ideal for AdBlue/DEF.
- The outlet can be freely rotated from 0° to 360°.
- Wetted Material: FKM, PPS, PP
- Applicable Liquids: AdBlue/DEF, acid alkali, diesel fuel, machine oil, water.
- Applicable Drum: 5 to 55 gallon drums.
- Capacity: 280 C.C. per rotation

APG00736

PLASTIC ROTARY DRUM PUMP



- Wetted Material: PPS, PTFE, 304SS, 316SS
- Applicable Liquids: Acid, alkali, gasoline, diesel, machine oil, water, alcohol, thinner, and chemical liquids.
- Capacity: 280 c.c. per rotation

APG00753
PLASTIC METRIC FOLDING RULER 2M

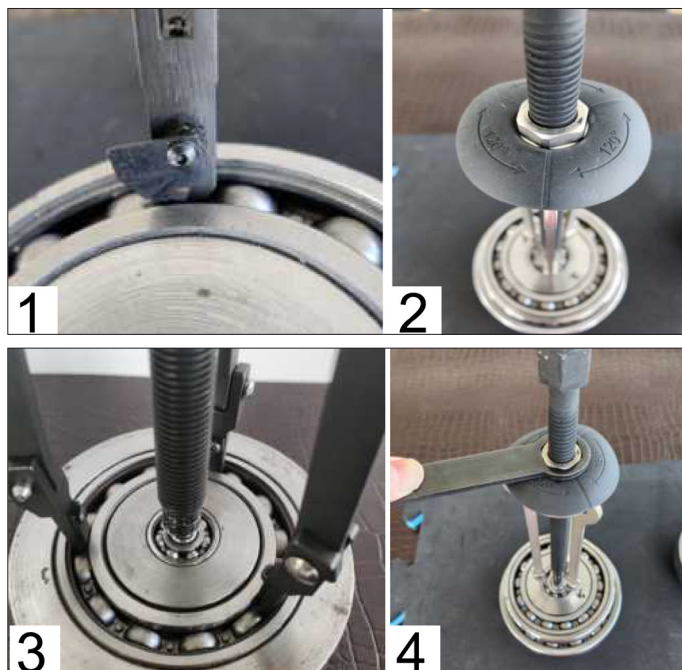

- The folding ruler is made up of plastic with a length of 2m and width of 14.8mm.
- Can be assembled at right angles.
- Specification: 2000 X 14.8 X 2.8mm

APG00753-1
WOOD METRIC FOLDING RULER 2M


- The folding ruler is made up of high-quality sturdy beech with a length of 2m and width of 16mm.
- Specification: 2000 X 16.0 X 3.1mm

APG00772

BEARING PULLER



- The puller is suitable for dismounting the deep groove ball bearing.
- Includes 6 sets of adaptors for a wide applications.

APG00773

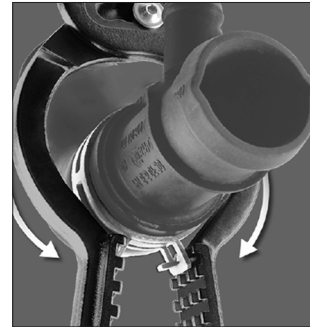
FUNNEL WITH VISIBLE CAPACITY



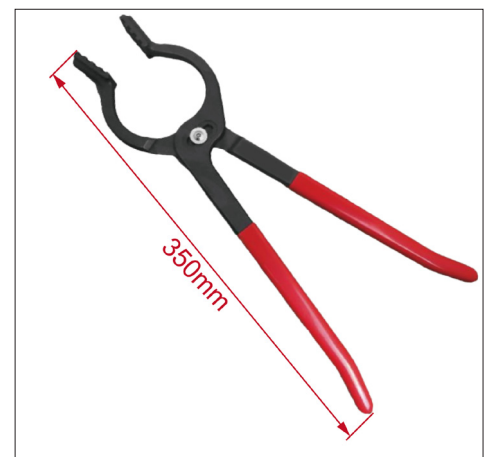
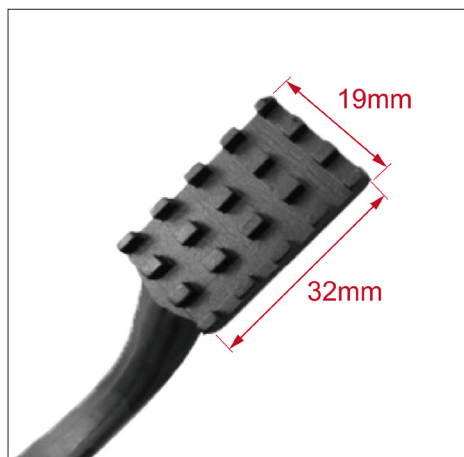
- Features a built-in filter to prevent contaminants from entering your transmission, engine, or radiator when refilling fluids.
- Long 350mm spout base incorporates a 360° rotational base angled head, allowing for a more direct pouring capability without the risk of spilling fluid.
- Hinged cover and built-in screen filter in the base captures any foreign debris.
- Capacity: 1.1 Liter

APG00774
HOSE CLAMP PLIERS-MULTI DIRECTIONAL

GENERAL SERVICE TOOLS



- Suitable for use on awkwardly placed ring type and flat band style spring loaded hose clamps and clips.
- The large capacity and wide circular opening allow to be used around a hose to undo the clamp without needing to force it around to somewhere that it can be easily accessed by regular hose clamp pliers.
- Length: 350mm
- Fit around hoses up to 50mm in diameter.



APG00812-1 、 APG00812-2 、 APG00812-3 、 APG00812-4 FLEXIBLE MAGNETIC TOOL HOLDER

APG00812-1



APG00812-2



APG00812-3

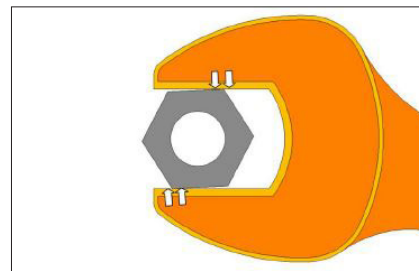
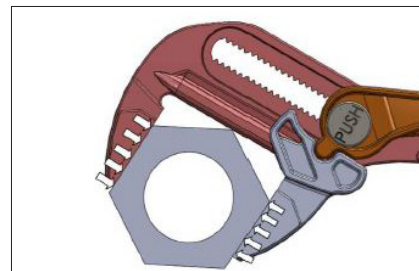


APG00812-4

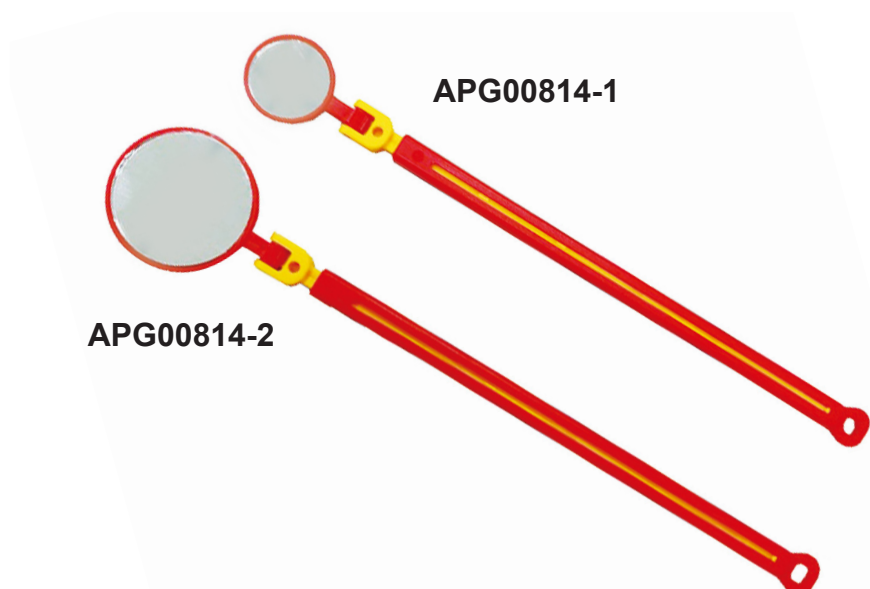


- Magnets magnetize the entire surface for keeping hardware and tools close at hand.
- Able to mount the magnetic holder horizontally or upside down to hoods, fenders, or any other ferrous metal surface.
- Magnet: NdFeB magnet
- Material: PVC

Part No.	Size	Magnet
APG00812-1	155X131 mm	4
APG00812-2	215X131 mm	6
APG00812-3	215X183 mm	9
APG00812-4	290X215 mm	15

APG00813
7" PLIERS WRENCH


- The smooth jaw design allows quick tightening and release of the nut without damage.
- Fast adjustment by pressing the button.
- Made from hot forged Cr-Mo steel.
- Overall length: 7" (180mm)
- Jaw capacity: 37mm (1-7/16")
- 16 adjustment positions.

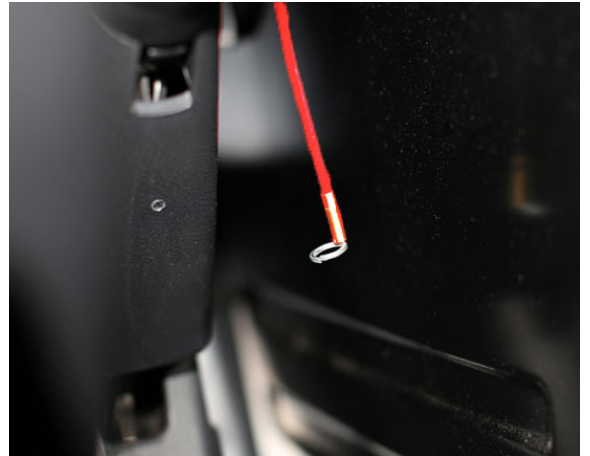
APG00814-1 、 APG00814-2
INSULATED INSPECTION MIRROR


- Ideal for technicians working on modern hybrid and electrical vehicles.
- Compliant with EC IEC 60900 standard, 1000V insulated handle.
- Material of handle: Nylon

Part No.	Mirror size
APG00814-1	25mm
APG00814-2	40mm

APG00815

INSULATED FLEXIBLE MAGNETIC PICK-UP TOOL



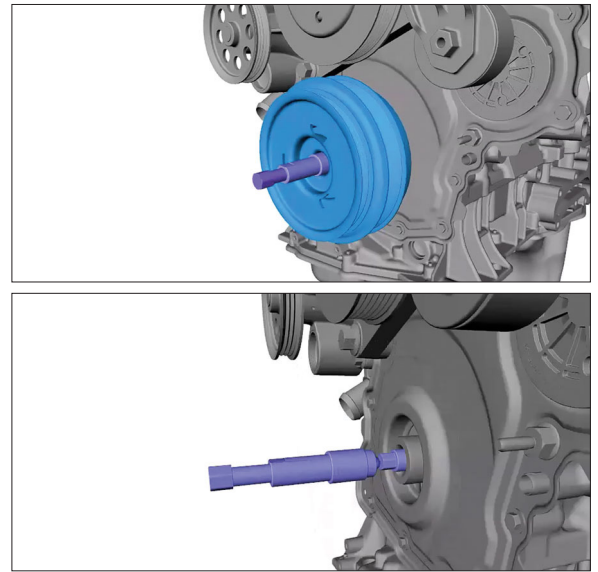
- Flexible shafts can be formed into a particular shape and used in hard-to-access areas.
- Live working up to 1000V, ideal for hybrid and EV servicing and maintenance.
- Shaft length: 400mm

APG00863

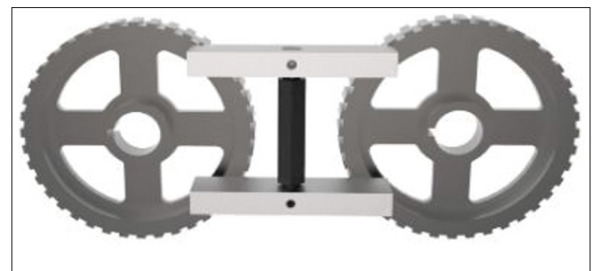
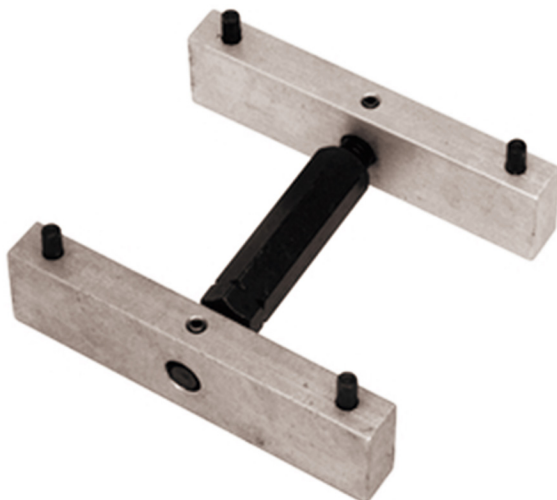
ADJUSTABLE HOOK SPANNER WRENCH



- Used to turret adjusting nuts or packing gland nuts.
- Capacity: 1-1/2" to 4" (38 to 100mm)
- Length: 24" (610mm)
- Handle Diameter: 11/16" (18mm)

APH00105
CRANKSHAFT PULLEY PULLER - FORD ECOBLUE 2.0L


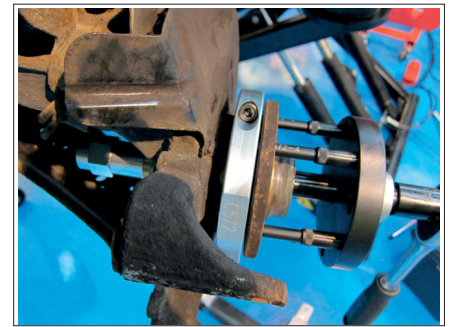
- A new 3pc tool for removing the crankshaft pulley with EcoBlue 2.0L diesel engine.
- For vehicles in which the crankshaft pulley has an internal thread.
- Steps:
 1. Screw the thrust member into the crankshaft.
 2. Thread the receiver into the crankshaft pulley.
 3. Use the thrust spindle force off the pulley.

APH00087
DUAL OVERHEAD CAM (DOHC) LOCK TOOL


- Easily locks and holds both camshaft sprockets firmly in place.
- The two parallel bars "float" which allows the knurled pins to align with the sprockets.
- Preserves the engine timing during belt or chain replacement.

DA4033C

WHEEL HUB/WHEEL BEARING UNITS TOOL FOR VW T5



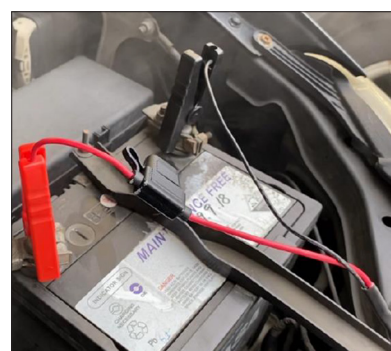
- For removing and installing the wheel hub or wheel bearings of built-in parts on cars.
- Suitable for cars with Ø 85mm wheel bearings.
- The design can prevent damage to the new wheel bearing because it provides safe and accurate centering and alignment when changing wheel bearings.
- Applications: VW - Transporter and T5/Multivan Touareg.

DA8796**MULTIPURPOSE BEARING AND PULLER SET**

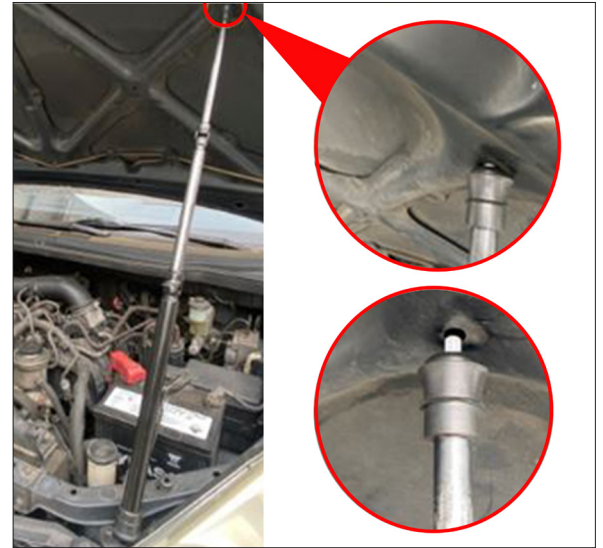
- For a wide range of pulling jobs, including bearings, alternators, generators, power steering and crankshaft pulleys, timing gears, and harmonic balancers.
- Spread: 7" to 11"
- Reach Range: 5" to 9"
- Set includes:
 - 1PC H-Bar Style Puller Block
 - 1PC Adjusting Yoke
 - 1PC Long Forcing Screw
 - 1PC Short Forcing Screw
 - 2PC Long Forged Jaws
 - 2PC Short Forged Jaws
 - 2PC Detent Lock Pins

APB00212

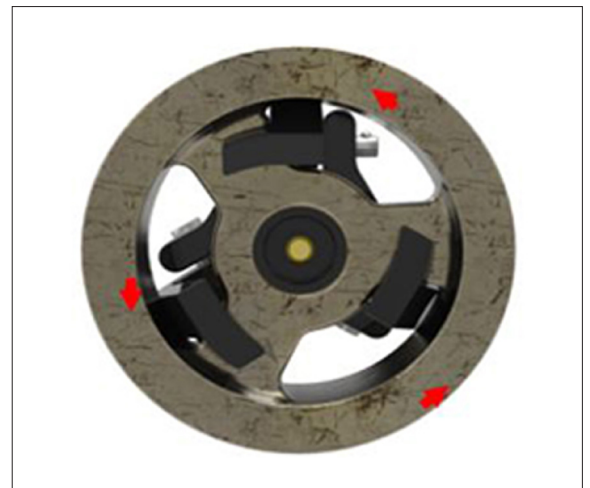
AUTOMOTIVE SMOKE LEAK DETECTOR



- Easily diagnose leaks on EVAP system, intake system, EGR and exhaust system, vacuum leaks, and low-pressure turbo leaks.
- It also detects worn gaskets, worn rubber/seals, and connectors on all systems.
- Compatible with USP Mineral oil or Baby Oil.
- Equipped with a pressure relief valve.
- Suitable for all kinds of vehicles.
- The kit comes with a power switch and a valve-on regulator that allow to suspend the work without detaching anything.

APG00103
HOOD PROP


- The stepless, extendable design allows the mechanic to hold the hood in the desired position.
- Great for body or repair work on door trunks or hatchbacks.
- Suits for all kinds of cars and trucks.
- The hood prop can be extended from 18-1/2" to 46-1/2".

APG00873
THREE LEG QUICK CHANGE PULLER


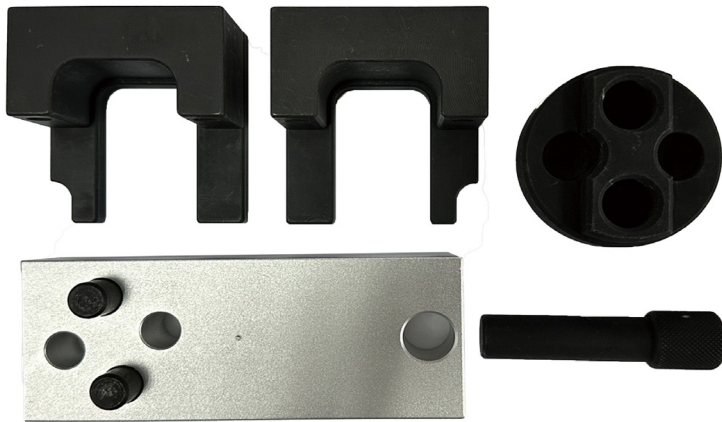
- Three ratcheting legs with puller feet eliminate the necessity for bolts.
- No need to withdraw the radiator or other components.
- Push-turn-click design allows to quickly adjust legs and hold their position.
- Can be used at an angle of 180 degrees in narrow spaces.
- Applications:
 General Motors 5.3L, 5.7L LS1, 6.0L LS2, 6.2L LS3, and 7.0 L engines.
 Ford Coyote 5.0L, 4.6L, and 5.4L Triton engines and other 3 and 6 spoke harmonic balancers/pulleys.

APG00874

THE HOLLOW PUNCH SET



- Up to 10 size interchangeable hole punch heads allow to make accurate rounds on multiple materials such as clothes, shoes, canvas, tents, leather, rubber, paper, etc.
- Straight pick is used to take out the materials stock in punch head or scribe and mark on different surfaces.
- Made from alloy steel for maximum strength and durability.
- Punch sizes: 2, 2.5, 3, 3.5, 4, 4.5, 6.5, 9.5, 12, 16mm

APH00113
ENGINE TIMING TOOL SET FOR MERCEDES-BENZ M654


- Suitable for Mercedes-Benz M654 1.6 and 2.0L chain-driven diesel engines from 2016.
- Allows to lock camshafts and crankshafts to check the timing when the engine is installed in the vehicle.
- Equivalent to OEM No. 654 589 00 40 00, 654 589 01 40 00, 654 589 01 40 00, and 654 589 00 21 00.
- Applications:
Mercedes-Benz A-Class, B-Class, C-Class, CLA, CLS, E-Class, GLA, GLB, GLC, GLE, V-Class, Vito.
- Engine Codes: 1.6L 654.916 and 2.0L 654.920.

APA00081

DEUTSCH CLOSED BARREL CRIMPER FOR SIZE 12(AWG 12/14)



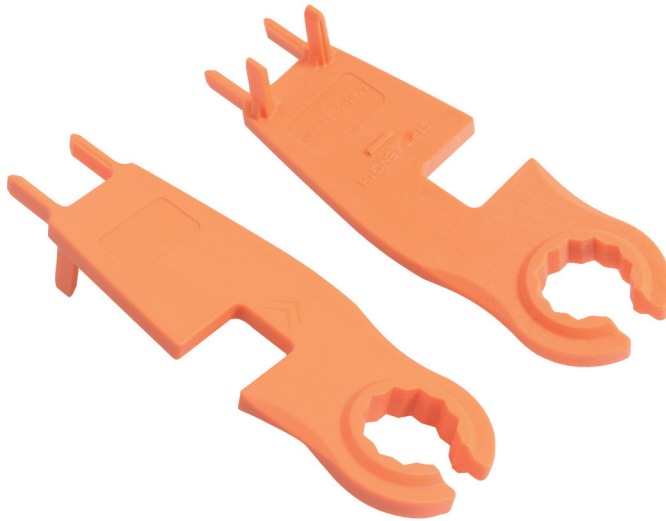
- Can be tied in with a Deutsch solid terminal pin size 12 for a comprehensive solution.
- Features a ratchet mechanism that ensures effective and secure crimping.
- Equipped with comfortable cushioned grips to enhance user comfort during operation.
- The body is constructed from S50C material, ensuring durability and reliability in various applications.

APA00082

67PC FOR ANDERSON POWER 15A/ 30A/ 45A/ SB50/ 75A TOOL



- A general-purpose tool suitable for various wiring projects, providing reliable crimping for Anderson Power connectors of different sizes.
- The crimping tool is designed with a precise ratchet structure and ergonomic handle.
- Comprehensive Kit Includes:
 - (1) 9" Plus Quick Change Ratchet Crimper
 - (2) Jaw for Anderson Power 15A/ 30A Powerpole Connector
 - (3) Jaw for Anderson Power 45A Powerpole Connector
 - (4) Jaw for Anderson Power SB50/ 75A Powerpole Connector
 - (5) Contacts for 15A (AWG 20-16)
 - (6) Contacts for 30A (AWG 16-12)
 - (7) Contacts for 45A (AWG 14-10)
 - (8) Contacts for 50A (AWG 8)

APA00083
TE SOLARLOK PV4-S COUPLER INSTALLATION AND UNLOCK TOOL


- Special pin design allows to separate the connectors effortlessly.
- Suitable to use on TE solarlok PV4-S connectors.
- Equipped with a strip length indicator, providing a guidance on how much wire that needs to be stripped.

APB00219
HARMONIC BALANCER REMOVER


- Special design allows to remove the balancers without the need for radiator removal.
- Crafted from high tensile steel.
- Specifically designed for the 5.0-liter Coyote engine released in 2018.

APE00124

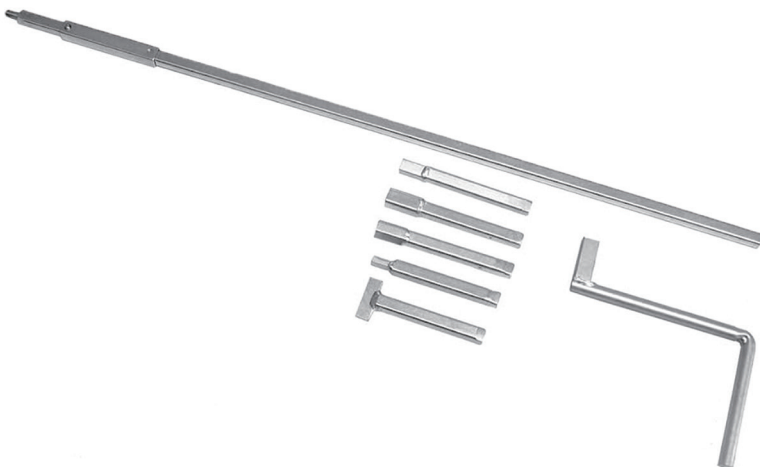
5PC FLIP SOCKET KIT



- Specifically designed for dealing with warped and mangled chrome-cap style lug nuts commonly found on GM, Ford, Chrysler, Toyota, Honda, Range Rover, and more.
- Manufactured from SCM440 with a black phosphate finish, providing high resistance to corrosion for maximum socket life.
- The single duo flip socket design facilitates quick and convenient removal of 8 different tyre lug nut sizes.
- This set comprises 4 flip sockets 19mm X 21mm, 18.5mm X 19.5mm, 21mm X 21.5mm, 22mm X 22.5mm, and a 1/2" extension bar.

APE00125

SPARE TYRE REMOVAL KIT



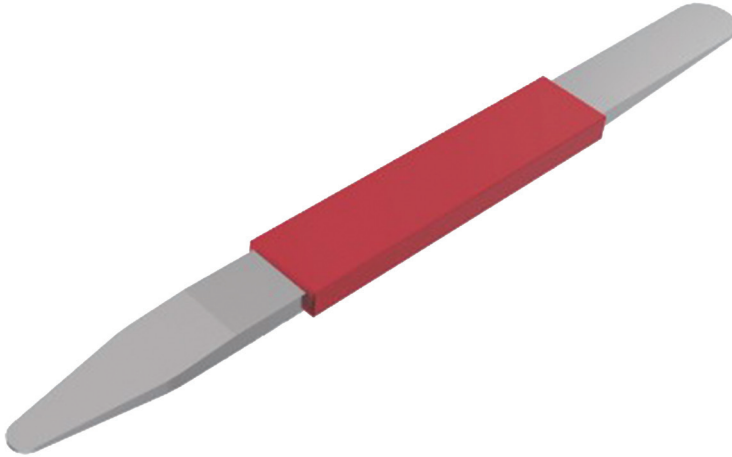
- Engineered for the quick removal of spare tyres on a variety of pickups, trucks, vans, and SUVs, providing a solution for roadside emergencies.
- Tailored for various vehicle applications:
 - (1) Small square: For use with new style Ford F-series 2005 and up.
 - (2) Flat blade: For use with Ford trucks up to 2004, E-series vans, Ranger, GM vans, 90's Chevy light-duty pickups, S-10 Blazer and pickups.
 - (3) Hex: For use with older Dodge and Chevy HD pickups.
 - (4) T-shape: For use with Toyota and Nissan trucks and SUVs.
 - (5) Large square: For use with newer GM Suburbans, Tahoes, and Dodge pickups.

APE00127
PRESSURE VACUUM PUMP AND BRAKE BLEEDING KIT


- Ideal for use in automotive maintenance and diagnostics, offering a versatile solution for various pressure and vacuum-related systems, including intake manifold vacuum, fuel pressure valve, EGR, air conditioning, and forced-air induction systems.
- Pressure range: 0 to 200 kPa/ 0 to 30 psi
- Vacuum range: -100 to 0 kPa/ -30 to 0 inHg
- Contents:
 - (1) Pressure-vacuum Pump
 - (2) Lid of Fluid Transfer
 - (3) Lid of Storage
 - (4) Connection Hoses (2pc)
 - (5) Reservoir Bottle 200ml

APF00074

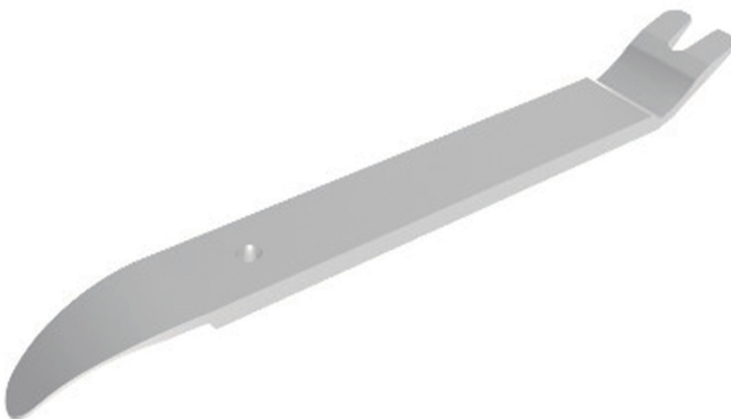
DOUBLE-ENDED TRIM REMOVER



- The tool is designed to supply strength and provide access to panels in narrow areas.
- Featuring a double-ended design, one side is equipped with a narrow square tip, while the other end boasts a radius tip, offering flexibility and effectiveness in various applications.

APF00075

TRIM WEDGE METAL PRYBAR TOOL



- Compact and small form factor allows for easy maneuverability in confined spaces.
- Ideal for removing trim, paneling, molding, and fasteners without causing harm to surfaces, making it suitable for aviation, automotive, electronic, and general uses.
- Overall length: 206mm

APF00116
ASSEMBLY TOOL FOR PDC HOLDER WITH DRILL


Ref.	Description	Annotation	Pieces
A	Screw Hole Punch ø 18.2mm	1.Cutting tool and counter-hold made from metal.	1
		2.Used for making holes in plastic parts with a diameter of ø 18.2mm.	
B	Screw Hole Punch ø 18.4mm	1.Cutting tool and counter-hold made from metal.	1
		2.Used for making holes in plastic parts with a diameter of ø 18.4mm.	
		3.Can only be used with a securing device.	
C	Screw Hole Punch ø 26mm	1.Cutting tool and counter-hold made from metal.	1
		2.Used for making holes in plastic parts with a diameter of ø 26mm.	
D	Drill Bit	1.Replacement part for PDC retainer assembly tool.	1
		2.Used for drilling holes in plastic with a diameter of ø 10.2mm.	
E	Centering Drift ø 17.8mm	1.Red anodized pin.	1
		2.Used in conjunction with the assembly tool for PDC holder.	
F	Centering Drift ø 18.2mm	1.Pin with support for plastic housing.	1
		2.Used for centering the plastic sleeve of the PDC retainer with a diameter of ø 18.2mm.	
G	Green Attachment Aids	1.Used for securing the PDC bracket during bonding.	4
		2.Can only be used in conjunction with hole punch ø 18.4mm.	
H	White Attachment Aids	Serve as a means of attaching the PDC holder during the bonding process on the bumper.	4
I	Blue Attachment Aids	Used to set up the PDC holder assembly tool and fix the PDC holder during the bonding process.	4

- Enables the installation or replacement of new or defective PDC holders on bumpers.
- Facilitates retroactive punching of PDC sensor holes.

APG00883

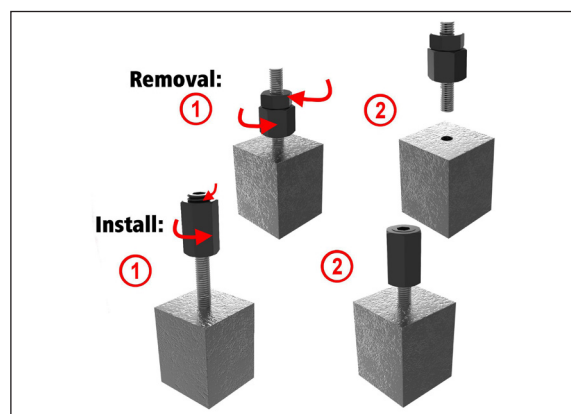
14 PC SLIDE HAMMER AND PULLER SET



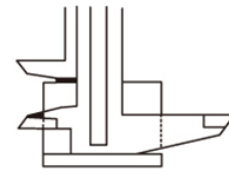
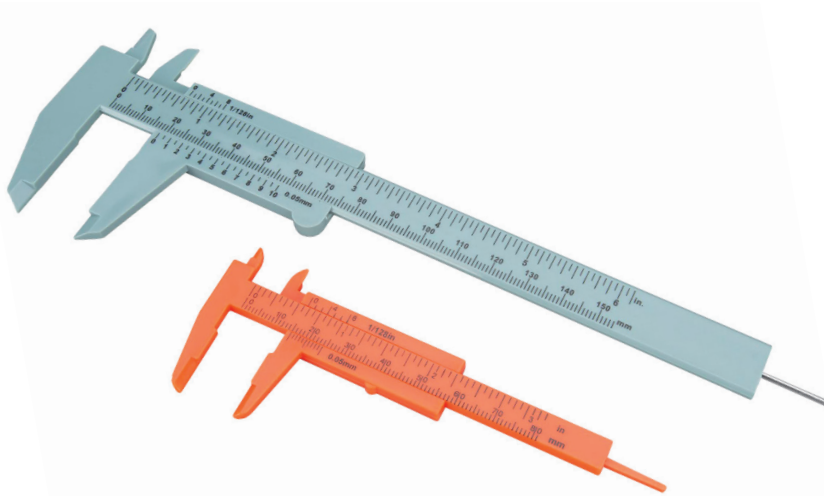
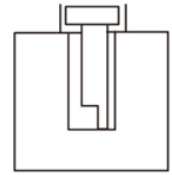
- Crafted for the removal of stubborn bushings, seals, sleeves, bearings, or pressed-in bolts.
- Ideal for dent pulling in auto bodies.
- The set includes:
 - (1) 2 lb. slide hammer
 - (2) Handle crossbar
 - (3) Jaw adaptor
 - (4) Two-jaw puller
 - (5) Set of 2 small jaws
 - (6) Set of 2 large jaws
 - (7) Screw adaptor
 - (8) Slide screw
 - (9) Square hook
 - (10) Puller hook
 - (11) Cone rod
 - (12) 2pcs locking pins

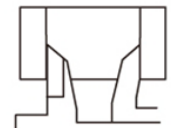
APG00888

STUD REMOVER AND INSTALLER SET



- Unique design allows the removal and installation of studs without damaging the threads.
- Applicable sizes:
 - M6 X 1.0
 - M8 X 1.25
 - M10 X 1.25
 - M10 X 1.5
 - M12 X 1.5

APG00894
2PC PLASTIC CALIPERS 3" AND 6"

 Step
measurement

 Depth
measurement

 External
measurement

 Internal
measurement

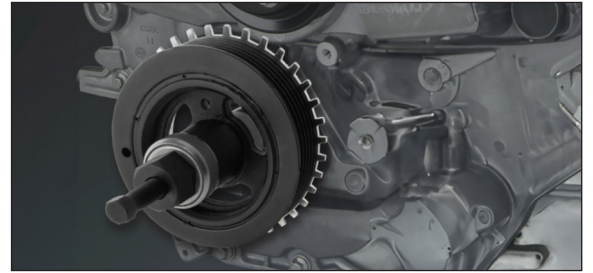
- This set comprises 3" (80mm) and 6" (150mm) calipers, addressing a spectrum of measuring requirements from compact to extended measurements.
- Designed with lightweight plastic, ensuring ease of use and portability.
- Measure depth, outside/ inside diameter, and thickness with precision.
- Equipped with both inch and metric scales, providing flexibility for various measurement needs.

APG00898
MULTI-PURPOSE SOLDERING TOOL KIT


- Features a refillable metal fuel tank and allows refilling at any time for convenience.
- The soldering iron kit is qualified with GS/DVGW standards.
- Suitable to use on soldering, welding, shrinking, hot cutting, auto repairing, and jewelry making.
- Working Temperature:
 1. Naked Flame Welding - Temperature up to $1250\pm 50^{\circ}\text{C}$ or $2280\pm 120^{\circ}\text{F}$
 2. Soldering - Temperature up to $500\pm 50^{\circ}\text{C}$ or $930\pm 120^{\circ}\text{F}$
 3. Hot Air Shrinking - Temperature up to $500\pm 50^{\circ}\text{C}$ or $930\pm 120^{\circ}\text{F}$
- Contents:
 - (1) Soldering Iron with Standard Tip + Protective Cap
 - (2) Soldering Tin
 - (3) Clean Sponge
 - (4) 7mm & 8mm Wrenches
 - (5) Extra Attachments - Hot Knife, Hot Blower, Deflector, Chisel Tip, Diagonal Tip

APH00109

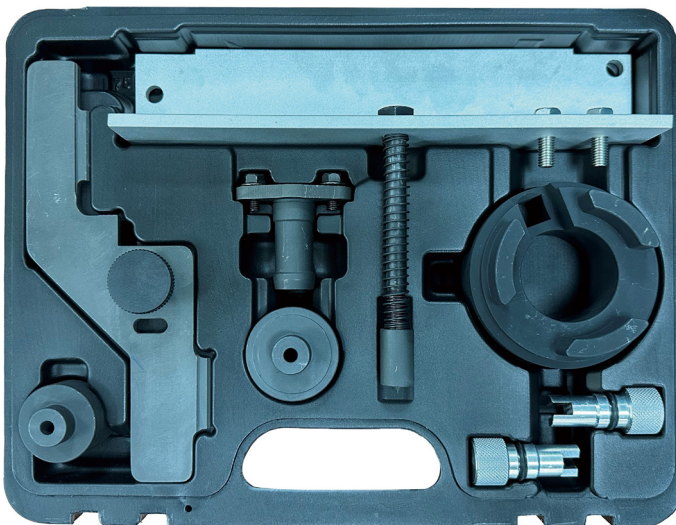
LONG REACH HARMONIC BALANCER PULLEY INSTALLER-FORD ECOBOOST



- Featuring a nut and bearing sleeve assembly, minimizes friction for a precise fit.
- Designed for challenging access points, especially in FWD vehicles.
- Facilitates easy assembly of harmonic balancers on the crankshafts of Ford EcoBoost engines.
- Specifically crafted for Ford EcoBoost and other Ford/ Lincoln engines from 2011 onwards, accommodating 2.7L, 3.0L, 3.3L, and 5.0L engines in cars, trucks, and SUVs.

APH00115

CRANKSHAFT DAMPER HOLDER BALANCE SHAFT PRELOAD TOOL



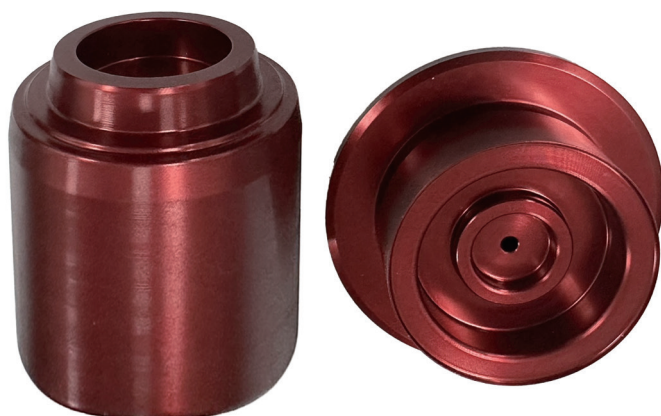
OEM Tool No.	Description
303-1685	Camshaft Alignment Tool
303-1686	Camshaft Holding Tool
303-1687	VCT Solenoid Seal Installer
303-1688	Balance Shaft Preload Tool
303-1689	Crankshaft Damper Holding Tool
303-1511-02	Adaptor

- Designed for aligning and holding the camshaft in the correct position, securing the crankshaft damper during timing chain replacement or adjustments, and installing VCT solenoid seals.
- Compatible with various applications, including Ford 2.0L and 2.3L EcoBoost engines from 2019, Ford Edge 2.3L, Ford Ranger 2.3L, Lincoln 2.0L, as well as Ford 6.0L and 6.4L diesel engines in models like E150, E250, E350, E450, F250, F450, F550, F650, F750 with 6.0L and 6.4L diesel engines.

APH00116
CAMSHAFT TIMING CRANKSHAFT LOCKING TOOL


OEM Tool No.	Description
303-1661-1	Variable Camshaft Timing Tool for Exhaust
303-1661-2	Variable Camshaft Timing Tool for Inlet
303-1661-3	16PT Camshaft Sprocket Socket (22mm)
303-1643	Flywheel Locking Tool
303-1603	Front Cover Oil Seal Installer
303-1604	Crankshaft Timing Pin
303-732	Crankshaft Front Pulley Timing Pin
310-018	VCT Setting Pin (6mm)
0132-AB	Tensioner Locking Pin (4mm)

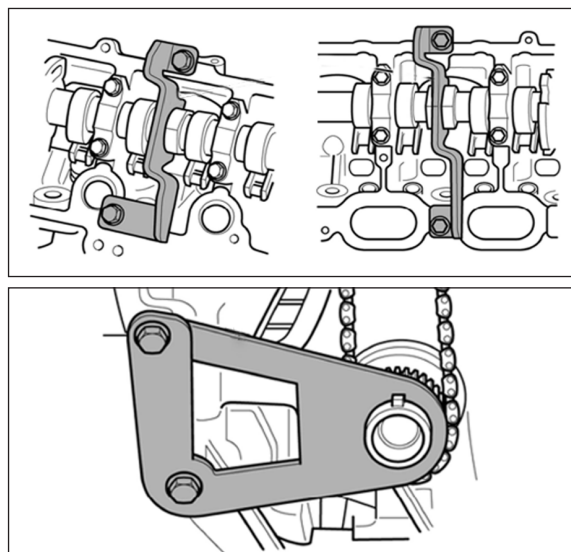
- Specifically designed for Ford's latest version 1.0L EcoBoost petrol engine, post-2018, with a transition from oil-wetted cam belt drive to chain-driven systems.
- Applications:
Suitable for various Ford models, including Fiesta (2019-2022), Focus (2018-2022), C-Max (2018-2022), Grand C-Max (2018-2022), and Puma (2019-2022).
- Compatible with engine codes B3DA, B3GA, B3GB, B7DA, B7DC, B7JA, B7JB, BZJA, M0DC, M0JA, M0JB.

APH00117
FRONT CRANKSHAFT OIL SEAL REMOVER INSTALLER TOOL


- Designed for both detaching and attaching (replacing) the timing case cover on the front crankshaft.
- Suitable for various BMW models including 1 Series, 2 Series, 3 Series, 4 Series, X1, and X2 as well as Mini Clubman, Hatch, and Countryman.
- Compatible with BMW engine codes: B37C, B37D, B38A, and B38B.
- OEM No.: 2 357 900

APH00120

ENGINE TIMING TOOL SET FOR MERCEDES-BENZ M282



- Specially designed to replace the timing chain in the latest Mercedes-Benz and Renault chain-driven twin-camshaft 4-cylinder 1.3 petrol engines.
- Tailored for Mercedes-Benz 1.3L M 242.914 petrol and Renault 1.3L H5H engines.
- Consists of two camshaft timing tools and one crankshaft alignment tool, ensuring precision during the timing chain replacement process.
- Applications:
 - (1) Mercedes-Benz: Suitable for A, B, CLA, GLA, and GLB class models from 2018 onward.
 - (2) Renault: Compatible with Arkana (from 2019), Captur (from 2018), Clio V (from 2019), Kadjar (from 2018), Megane (from 2017), Scenic (from 2018), and Talisman (from 2018).
- OEM No.: 282 589 00 23 00

APB00222
DIESEL PUMP ADJUSTMENT TOOL


- Secure stand for the pump wheel when assembling and disassembling the high-pressure pump.
- Exact positioning of the pump wheel, no need to disassemble the toothed belt.
- Saves the work of making further adjustments to the pump.
- Applications: Diesel engines F9Q for Opel, Renault, and Nissan vehicles.

APB00223
7PC 3/8" THIN WALL OIL FILTER SOCKET


- For use on oil and fuel filter canisters when changing the element.
- Use with a 3/8" drive.
- Low-profile design provides easy access in tight spaces.
- Sizes: 24mm, 25mm, 27mm, 28mm, 29mm, 32mm, and 36mm
- Applications: Cadillac, some BMW, Motorhomes, Buses, and some medium-sized trucks with Cummins engine, 2003 and later Mercedes 1.8L, Smart, some VW, 6.7L Dodge Cummins fuel filter canister NEW(2010-2018), 2.0L/2.2L/2.4L GM Ecotec, some Saturn and Saab, Ford 6.0L Diesel fuel and oil filter housing, Mini Cooper, Mack truck (2016-2018).

CV BOOT CLAMP PLIERS FOR VW GROUP



- A specialized tool designed for professional repair of bushings using earless clamps.
- The special design and mechanism can grab the clip to install or remove the cuff with precision and convenience.
- Equivalent to OEM 3340 A.
- Applications: Audi, Skoda, Volkswagen, Mercedes-Benz, and Toyota vehicles.

APE00119

RAM HUB NUT SOCKET



- Use this special tool and proper repair procedures to assist in repairing the rear axle of your heavy-duty RAM truck.
- Applications: 2019 (D2, DD, DP) - Systems (3 - Differential and Driveline).

APE00132
UNIVERSAL BRAKE PAD SPREADER

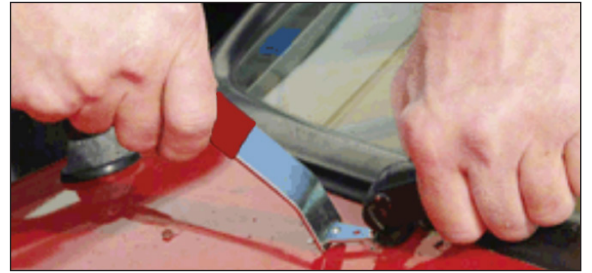
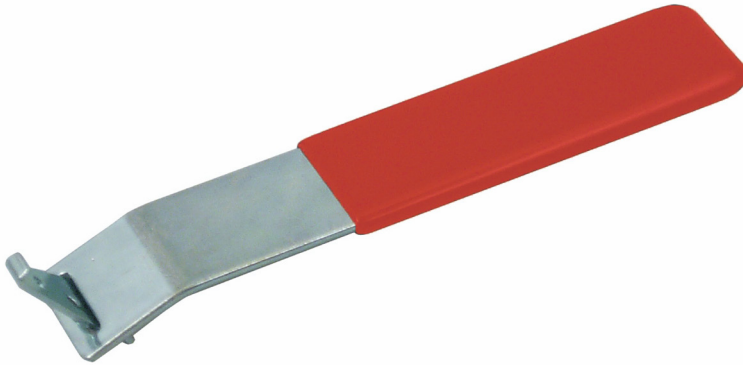

- The hex shank in the center of the tool provides 360 degrees of operation, even in tight or partially blocked spaces.
- This large brake pad spreader's heavy-duty steel plates evenly distribute pressure to deploy the brake pads to prevent damage to pistons and seals during use.
- Providing the potential for ratcheting abilities at a lower cost than many popular ratcheting models.

APE00133
HUB NUT SOCKET


- A special tool used with proper repair procedures to assist in repairing the rear axle of MY2020 Silverado and Sierra 2500/3500 HD trucks for heavy-duty operations.
- Remove and install the hub nut on the 11.5" and 12.0" rear axle.

APF00077

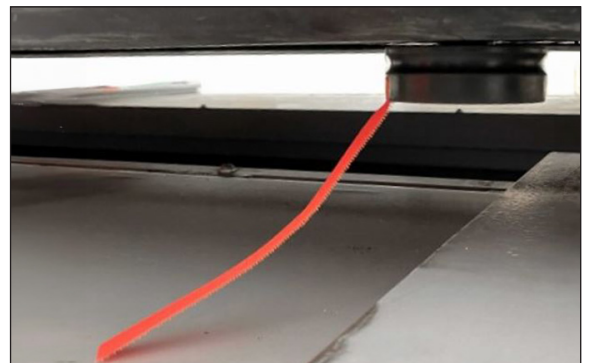
WINDSHIELD WIPER ARM REMOVER



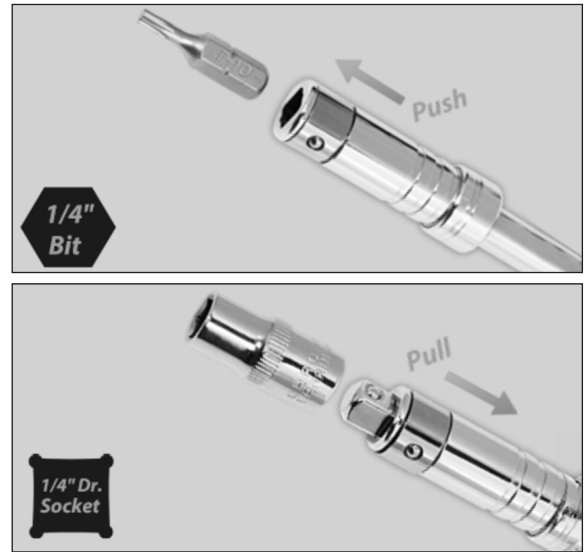
- Specifically made to make prying off wiper arms simple and easy without damage to the car finish.
- Simply place the "hook" under the arm base, lift and squeeze the wiper arm and tool handle together.
- Works well with arms that have a small notch on their base.

APG00912

JACK LIFTING PADS SET FOR TESLA MODEL S/3/X/Y



- Pad pucks for creating a safe jack-lifting point for Tesla models.
- Magnets to help the pad stick to the metallic frame when fitting the pad to the jack point for servicing the battery.
- Effectively protect the battery and vehicle paint from damage.
- A special colored line is attached as an identifier so the pads are not forgotten after servicing Tesla.

APG00914
1/4" DRIVE ADJUSTABLE 2-WAY SPEED T-HANDLE FOR BITS SOCKET


- Sliding T-handle and adjustable speed grip design can provide extra leverage, the sliding T-handle is removable which makes the T-handle wrench easy to carry.
- Just push or pull the connecting collar to switch into a bit or socket driver in seconds.
- For use with all 1/4" Dr. sockets and 1/4" shank bits with the dual function chuck.
- Perfect for mechanics, house improvement projects, collectors, and engineers.

APG00916
5PC MINI HOOK AND MAGNETIC PICK UP SET

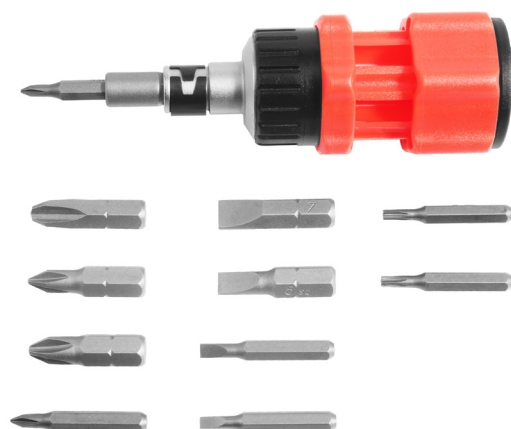

- Used to pull O-rings, seals, cotter pins, and brushes in various automotive applications.
- Contents:
 - 1PC Magnetic Pick-up Handle
 - 1PC Straight Hook Pick
 - 1PC 90 Degree Hook Pick
 - 1PC 45 Degree Hook Pick
 - 1PC Round Angle Hook Pick

APG00944

14PC ANGLE RATCHET SCREWDRIVER SET WITH 5-WAY PIVOTING HEAD



- It works as a ratcheting screwdriver, a ratcheting stubby screwdriver, precision screwdriver.
- The 3-way setting ratchet function just quickly adjusts to 3 working functions: forward, reverse, and locked.
- With a pivoting head that locks in 5 positions: 0°, 45°, 90°, 135°, and 180° angles.
- Specially provided with 2PC double-end bits for glasses and watch repair.
- Transparent PC handle stores bits inside the handle for easy carry at work.
- Contents:
 - 1PC 5-way Ratchet Screwdriver
 - 11PC 25mmL Bits:
 - PH: 1, 2, 3
 - SL: 3, 5, 7mm
 - T: 10, 15
 - PZ: 1, 2, 3
 - 1PC 1/4" Dr. X 1/4" Dr. Socket Adaptor
 - 1PC Precision Screwdriver
 - 2PC 4mm X 30L Double Ended Bits: PH00-SL2mm, PH0-SL1.5mm

APG00945
13PC STUBBY RATCHET SCREWDRIVER SET


- Comes with 12 different bits, allowing to tackle a wide range of screw sizes and types.
- 3 position switch of the multi screwdriver enables clockwise and counter-clockwise ratcheting and locked position.
- Unique loading and unloading design of the back cover has two kinds of ports for loading and unloading bits in the handle.
- Perfect for working in tight spaces where a regular screwdriver won't fit.
- Contents:
 - 1PC Ratchet Screwdriver
 - 1PC 1/4" Dr. X 4mm Bits Adaptor
 - 5PC 1/4" Dr. X 25mmL Screwdriver Bits:
 - PH: 1, 2, 3
 - SL: 5, 7mm
 - 6PC 4mm X 28mmL Precision Screwdriver Bits:
 - PH: 00, 0
 - SL: 2.5, 3mm
 - T: 8, 9

APG00946

28PC 1/4" DR. MINI RATCHET SOCKET AND BIT SET



- The mini set combines functionality, durability, and portability.
- Features a reversible ratchet system made of alloy steel, providing smooth ratcheting in both directions and precise adjustments.
- Contents:
 - 1PC 1/4" Dr. X 72T Stubby Ratchet Handle
 - 1PC 1/4" Dr. X 50mmL Extension Bar
 - 16PC 25mmL Bits:
 - PZ: 1, 2
 - PH: 1, 2
 - SL: 4, 5, 6mm
 - HEX: 3, 4, 5, 6mm
 - T: 15, 20, 25, 27, 30, 40

APG00947
38PC 1/4" DR. MINI RATCHET SOCKET AND BIT SET


- Crafted from durable, wear-resistant steel to ensure robustness and longevity.
- Features a reversible ratchet system made of alloy steel, providing smooth ratcheting in both directions and precise adjustments.
- Contents:
 - 1PC 1/4" Dr. X 72T Bit Ratchet Wrench with Wood Handle
 - 29PC 25mmL Bits:
 - PZ: 1, 2, 3
 - PH: 1, 2, 3
 - SL: 4, 4.5, 6, 8mm
 - HEX: 3, 4, 5, 6mm
 - T: 8, 10, 15, 20, 25, 27, 30, 40
 - TS: 10, 15, 20, 25, 27, 30, 40

APG00948

26PC 1/4" DR. SOCKET AND BIT SET WITH SLIDING T-HANDLE



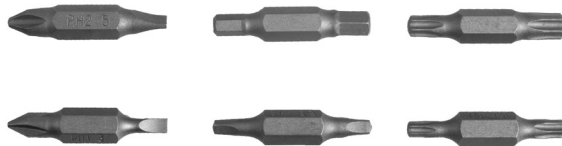
- 4" extension bar allows the tool to be used in confined spaces.
- T-handle design allows for efficient application of force.
- Enhance maneuverability by transforming the tool into a L-handle configuration through simple left or right sliding.
- Contents:
 - 1PC 1/4" Dr. Ratchet T-handle with Sliding Bar
 - 1PC 1/4" Dr. X 4" Extension Bar
 - 12PC 1/4" Dr. Bit Sockets:
 - PH: 1, 2
 - SL: 5, 7mm
 - T: 15, 20, 25, 30
 - HEX: 3, 4, 5, 6mm
 - 11PC 1/4" Dr. Sockets: 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14mm

APG00949

26PC 1/4" DR. SOCKET AND BIT SET WITH DUAL-USE SLIDING T-HANDLE



- Effortlessly switch between socket and bit installation with the unique front-end dropdown design.
- T-handle design allows for efficient application of force.
- Enhance maneuverability by transforming the tool into a L-handle configuration through simple left or right sliding.
- Contents:
 - 1PC 1/4" Dr. Ratchet T-handle with Sliding Bar
 - 16PC 1/4" Dr. Bits:
 - PH: 1, 2, 3
 - PZ: 1, 2, 3
 - SL: 5, 6, 7mm
 - HEX: 4, 5, 6mm
 - T: 15, 20, 25, 30
 - 9PC 1/4" Dr. Sockets: 5, 6, 7, 8, 9, 10, 11, 12, 13mm

APG00950
8PC STUBBY RATCHET SCREWDRIVER SET


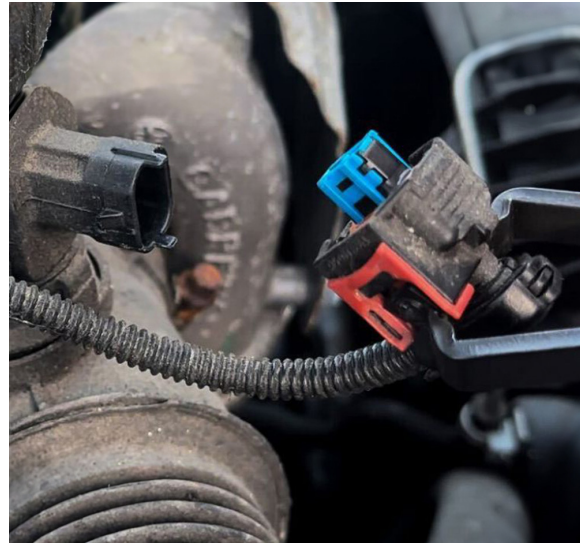
- Easily switch between different screwdriver heads.
- The accessories can be neatly stored within the handle, preventing the risk of misplacement.
- Effortlessly tackle tightening and loosening tasks with the reversible design.
- Contents:
 - 1PC Stubby Ratchet Screwdriver
 - 7PC 32mmL Double-end Bits: S1-S2, T15-T20, T25-T30, H4-H5, PH1-SL3mm, PH2-SL5mm, PH3-SL6mm

APH00020
LONG REACH HARMONIC BALANCER PULLEY INSTALLER


- Long reach tool kit for installing underdrive or oversized pulleys and applications with recessed threads on the crankshaft.
- Reduces the risk of stripping threads inside the crank.
- Reduces the risk of breaking crank bolts.
- Fits a wide variety of V8 and V6 vehicles including:
 - M16 X 2.0mm (GM)
 - M14 X 1.5mm (Dodge, Chrysler, and Jeep)
 - M12 X 1.75mm (Dodge Chrysler, and Jeep)
 - M12 X 1.5mm (Ford)

APA00090

ELECTRICAL DISCONNECT PLIER



- Easily remove locking push-tab electrical connectors from air flow sensors, fuel injectors, ignition coils, and other applications.
- 7" overall length for extended reach.
- Spring-loaded handle for comfortable one-handed operation.
- 3/8" wide slim jaws allow for better access into tight spaces.

APB00230
RADIATOR VACUUM COOLANT REFILL KIT FOR MG


- The vacuum coolant refill tool features large internal channels for quick coolant refilling.
- Two adaptors are provided for MG models.
- Very intuitive design with just two easy-to-use valves.
- A tool with a hook can hang under the hood.
- The tool needs to work with an air compressor to create a vacuum in the cooling system.

APB00231
RADIATOR VACUUM COOLANT REFILL KIT WITH UNIVERSAL ADAPTOR


- The vacuum coolant refill tool features large internal channels for quick coolant refilling.
- Provided with a conical adaptor to fit almost any radiator or recovery tank filler.
- Very intuitive design with just two easy-to-use valves.
- A tool with a hook can hang under the hood.
- The tool needs to work with an air compressor to create a vacuum in the cooling system.

APB00232

OIL FUNNEL SET FOR EURO 1/4-TURN



- Made of durable ABS plastic.
- Specially designed for attaching valve covers.
- Prevents the valve cover's internal baffle from causing a mess when adding oil to the engine
- Application: BMW, Dodge Sprinter 2.7L, Mercedes, Volkswagen/Audi(1.8T, 1.9L TDI, 2.0T, 2.8L, 3.0L, 3.2L, 3.6L and 4.2L), and Volvo 2.5L engines. Also fits Teledyne Motors 550 and 520 used on Beechcraft and Cessna aircraft.

APB00233

OIL FUNNEL SET FOR TOYOTA 1/4-TURN



- Made of durable ABS plastic.
- Specifically designed to attach to 1/4 turn valve covers on Toyota and Lexus 3.0L and 3.3L (V6) engines.
- Prevents the valve cover's internal baffle from causing a mess when adding oil to the engine.

APB00234
OIL FUNNEL SET FOR SUBARU


- Made of durable ABS plastic.
- Prevents the valve cover's internal baffle from causing a mess when adding oil to the engine.
- Fits all Subaru models/threaded oil caps (except Tribeca).

APB00235
OIL FUNNEL SET FOR TOYOTA


- Made of durable ABS plastic.
- Prevents the valve cover's internal baffle from causing a mess when adding oil to the engine.
- Applications: All Toyota and Lexus models, a threaded oil cap; Lotus Elise and Exige/ Toyota 2ZZ-GE engines; Pontiac Vibe; all Scion models/ a threaded oil cap.
- For Prius and Yaris.

APB00236

OIL FUNNEL FOR FORD / MAZDA



- Made of durable ABS plastic.
- Prevents the valve cover's internal baffle from causing a mess when adding oil to the engine.
- Attached directly to the engine oil filter neck/valve cover. Works on Ford Explorer 2.0L Ecoboost (2012-2013), Escape 2.5L (through 2012), Escape 2.0L Ecoboost(2013), Focus 2.0L (2007-2013), Fusion 2.0L Hybrid (2013); Land Rover Range Rover Evoque 2.0L (2012-2013); Mazda 3 (2006-2013, CX-5 (2013 and newer), MX-5 Miata (2006-2013), and Mazda Speed 3 2.3L turbo (2010-2013).

APB00237

OIL FUNNEL SET FOR HONDA / NISSAN



- Made of durable ABS plastic.
- Attaches and seals to the valve cover, preventing any unwanted mess.
- Threads on and seals to the valve cover just like the oil cap.
- Applications: Most Acura models, Dodge Neon and 2002 Cummins turbo diesel Ram; Ford turbo-diesel 6.0,6.4,6.9 and 7.3; Honda Accord, Civic, Element, Fit(through 2008), NSX and S2000; Jaguar (2003-2009)/4.2L only, Jeep Wrangler 2.4L (2001-2006), Land Rover (2002) Defender, Discovery and Range Rover / 3.5L, 3.9L,4.0L,4.2L and 4.6L; Mazda 2 (threads in pretty loose, but fits); Most Nissan models (through 2013)

APB00238
COMMON RAIL INJECTOR TOOL KIT

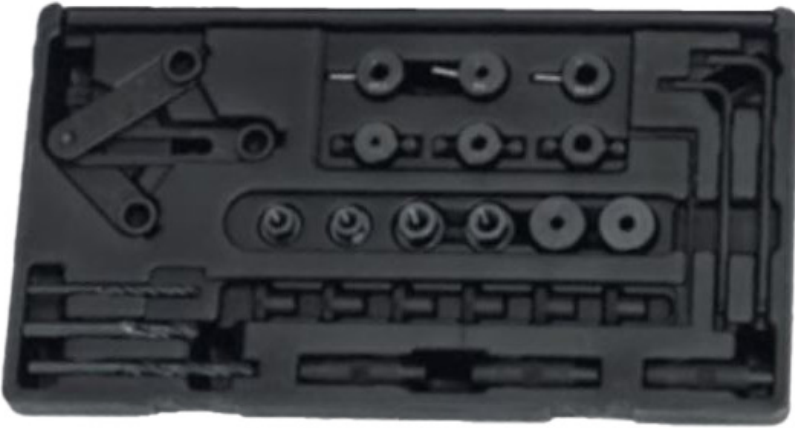

- Special tools to repair common rail diesel injectors of Bosch, Siemens, and Denso.
- Set comes with all necessary sockets to open up defective injectors:
 - 3pc Injector Ball Valve Lapping Tools
 - 1pc 10mm Hex X 7.6mm
 - 1pc 10mm Hex X 6.6mm
 - 1pc Denso common rail injector valve seat removal tool
 - 1pc 8-sided socket for Bosch common rail injectors
 - 1pc Inside fixing removal tool for Siemens common rail injector

APB00238-01
DENSO INJECTOR VALVE SEAT REMOVAL


- Used to dismantle Denso injectors valve seat.
- 3 pin X 2mm (14mm pin to pin).
- 24 mm hexagonal

APB00239**COMMON RAIL INJECTORS RETURN FUEL VOLUME TESTER**

- Used to check the return flow volumes from common rail systems for eight injectors.
- Applications: for injectors of Bosch, Delphi, Denso, and VDO/Siemens
- A container with a graduated scale permits the comparative measurement of return flow volumes from individual injectors.
- Container is provided with a hook, which can be hung up in the engine compartment.
- Tester is connected by adaptors to the return flow pipe from the injector.
- The adaptors that are marked with the name of the injector manufacturer can be changed over at the connecting hosepipe.
- Contents:
 - 1pc Container with 8 Fuel-resistant
 - 8pc Highly Flexible Hoses, 1.2M
 - 8pc Highly Flexible Hoses, 130mm (ø3.3)
 - 8pc Highly Flexible Hoses, 130mm (ø2.5)
 - 8pc Adaptors for Bosch Injectors
 - 8pc Adaptors for Delphi Injectors
 - 8pc Adaptors for Denso Injectors
 - 8pc Adaptors for VDO/Siemens Injectors
 - 1pc Hose Clamp
 - 1pc Spring
 - 1pc Hook

APB00240
CYLINDER HEAD BORE JIG SET


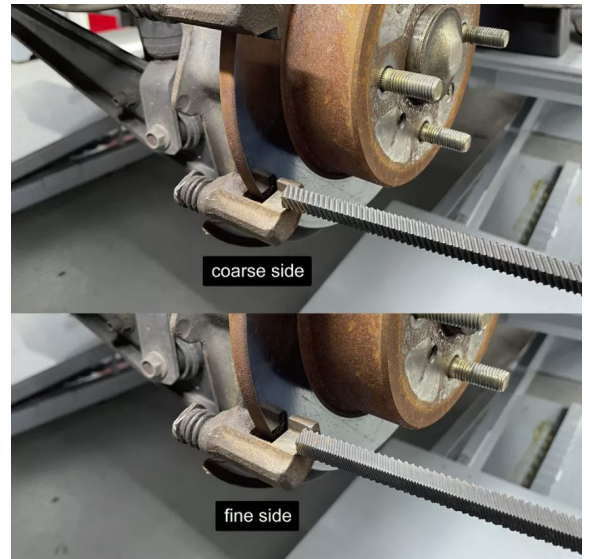
- Specially designed tool kit to quickly and accurately boring out broken or torn-out stud screws on cylinder heads or exhaust flanges directly on the vehicle, without removing the cylinder head (bolt thread M8 and M10).
- Time savings of up to 4 hours.
- Universal usage.
- Straight boring out of the old screw.

APE00134
WHEEL HANGER SET - M15 x P1.25 (2 PC)


- Securely holds the wheel during removal and installation onto the wheel hub.
- Curved design on the shaft prevents wheel from sliding.
- Includes hole for use with a screwdriver or any bar for turning.
- Applications: Mercedes-Benz GLE and GLS MHEV models from 2020
- Thread: M15 x 1.25

APE00135

FOUR-SIDED BRAKE CALIPER FILE TOOL



- For removal of brake dust, rust, and dirt from the caliper housing.
- Four-sided file. Two adjacent sides have coarse teeth for removing bigger and chunky rusts; another two adjacent sides have fine teeth for more detailed cleaning or final polishing.
- Universal application.
- File length: 5.9" (150mm)
- File width: 0.35" (9mm)

APE00136

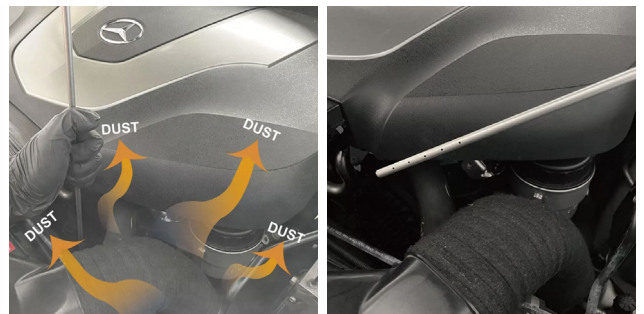
AIR POWERED BRAKE CALIPER PISTON TOOL SET RECESSED VERSION



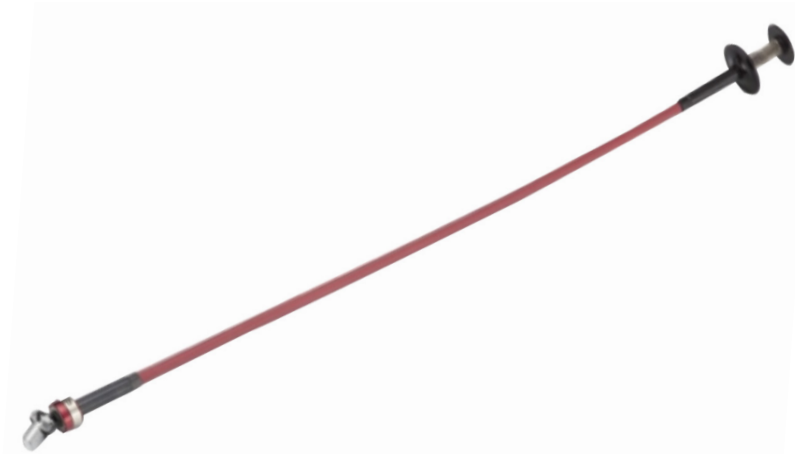
- Designed to make disc brake services easier and faster.
- Features a knurled swivel handle that turns both clockwise and counter-clockwise for use with left and right threaded pistons.
- Pneumatic powered tool is able to wind pistons back by simply pressing a button.
- Magnetic pins can be recessed into the plate holder, perfect for smaller brake caliper brackets.
- Includes 21 adaptors, fitting a wide range of vehicles.

APE00137
BRAKE PRESSURE BLEEDER SET WITH ONE-WAY VALVE


- Effective in pushing out brake fluid from the system.
- Equipped with a 3-liter tank featuring a safety pressure relief valve.
- Includes a 1-liter bottle with a one-way valve on the soft tube to prevent the backflow of air and old brake fluid.
- Designed with a chain hook for easy hanging on a wheel cylinder, coil spring, or other car parts during brake fluid bleeding.

APG00052-5
TUBE-TYPE CLEANER WITH AIR (24" LONG / 6MM WIDE)


- Tube-type cleaner with compressed air to clean confined areas, such as filters and radiators.
- Features a 90° angle and 5-port air outlet to enhance accessibility and maximize air pressure and volume.
- Boasts an ultra thin 6mm (1/4") wide tube for reaching into tiny spaces in the car.
- Designed with an ergonomic handle for easy air direction control and comfortable tool operation.

APG00973**FLEXIBLE MAGNETIC CLAW PICK-UP TOOL 700MM**

- Bowden cable construction enables access to confined areas.
- Equipped with a 0.7kg magnetic pick-up featuring an energy ring to minimize side pull, facilitating the retrieval of objects at maximum reach.
- The handle provides easy control over expandable/retractable claw for effortless operation.
- Features an anodized aluminum housing.

APG00974**SCREWDRIVER BIT SET (30 PC)**

- Magnetic bit holder for secure storage of bits.
- Contents:
 - Slotted bits: 1/8", 5/32", 3/16", 1/4", 9/32"
 - Phillips bits: #0, #1, #2, #3
 - Pozi bits: #1, #2
 - Roberson bits: R0, R1, R2, R3
 - Hex bits: 5/64", 3/32", 7/64", 1/8", 9/64"
 - Star bits: T10, T15, T20, T25, T30, T40
 - 25mm Socket Adaptor
 - 60mm Bit Holder
 - Screwdriver

APG00975
1/2" DR. SAE IMPACT SOCKET SET (20 PC)


- Made from chrome molybdenum alloy steel for exceptional strength and durability.
- Includes SAE impact sockets: 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1-1/16", 1-1/8", 1-3/16", 1-1/4", 1-5/16", 1-3/8", 1-7/16", 1-1/2"

APG00976
1/2" DR. SAE DEEP IMPACT SOCKET SET (20 PC)


- Made from chrome molybdenum alloy steel for exceptional strength and durability.
- Includes SAE deep impact sockets: 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1-1/16", 1-1/8", 1-3/16", 1-1/4", 1-5/16", 1-3/8", 1-7/16", 1-1/2"

APG00977

1/2" DR. METRIC IMPACT SOCKET SET (27 PC)



- Made from chrome molybdenum alloy steel for exceptional strength and durability.
- Includes metric impact sockets: 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32, 33, 34, 35, 36mm

APG00978

1/2" DR. METRIC DEEP IMPACT SOCKET SET (27 PC)



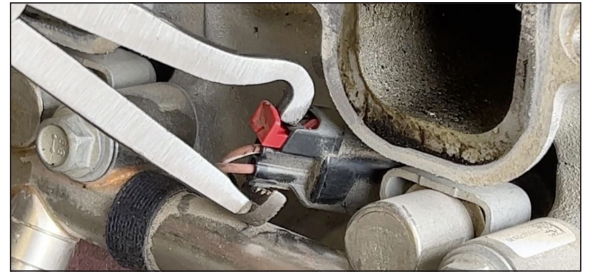
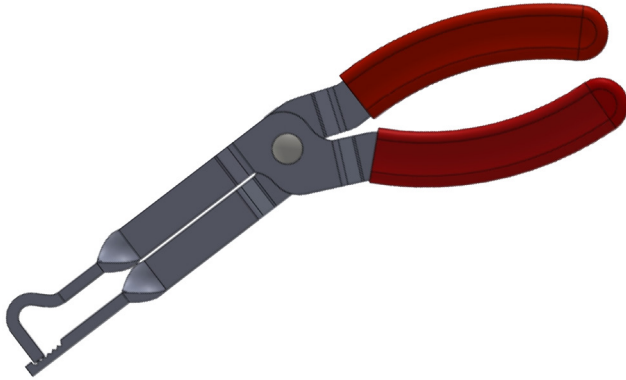
- Made from chrome molybdenum alloy steel for exceptional strength and durability.
- Includes metric deep impact sockets: 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32, 33, 34, 35, 36mm

APG00979**IMPACT SOCKET ACCESSORY SET (12 PC)**

- Made from chrome molybdenum alloy steel for exceptional strength and durability.
- Include adaptors: 1/4"(F) X 3/8"(M), 3/8"(F) X 1/4"(M), 3/8"(F) X 1/2"(M), 1/2"(F) X 3/8"(M), 1/2"(F) X 3/4"(M), 3/4"(F) X 1/2"(M), 3/4"(F) X 1"(M), 1"(F) X 3/4"(M) and universal joints: 1/4", 3/8", 1/2"

APA00090-02

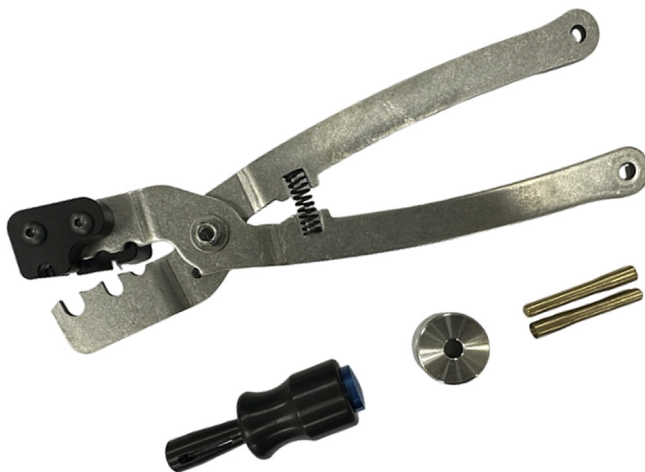
ELECTRICAL DISCONNECT PLIERS



- Easily remove locking tab electrical connectors from mass air flow sensors, fuel injectors, ignition coils, and other applications.
- Use the hook at the end of the pliers to pull out the tab to unlock, then use the tip to engage the tab.
- Squeeze the tabs together and lift to separate the connector from the sensor without causing damage.
- Allows one-handed use of the tool and handling of the sensor in tight places.

APB00241
RADIATOR VACUUM COOLANT REFILL KIT FOR EVS EUROPE


- Vacuum-type coolant refill tool features large internal passages for quick coolant replenishment.
- Adaptors are available for all Tesla models.
- Designed with only two valves, it is easy to use and intuitive in design.
- Tool with hook can hang under the hood.
- Tool needs to work with an air compressor to create a vacuum in the cooling system.

APB00242
INJECTOR SEALING RING DISASSEMBLY AND ASSEMBLY TOOL


- Kit for removing, installing, and compressing the injector combustion chamber seals on 2nd generation BMW B3x, B4x and B5x engines.
- Applications: For Gen. 2 BMW injectors B36, B38, B46, B48, B58 (same as Toyota engine codes). Can also find these injectors and tools in Toyota engines along with the corresponding service documentation.
- Engine codes: B32S15A, B36A15A, B38A12A, B38A15A, B38A15C, B38A15F, B38A15MO, B38B15A, B38K15A, B42S20A, B46A20A, B46A20B, B46B20B, B46H, B48A20A, B48A20B, B48A20C, B48A20E, B48A20F, B48B16A, B48B20A, B48B20B, B48H, B48L, B58, B58B30A, B58B30B, B58B30C, B58H, B383, GC1, IA1, JA1.

APE00141 、 APE00142

BRAKE SPRING PLIERS

APE00142



APE00141

- The brake shoe return spring on a drum brake can be removed and installed very easily and safely when using pliers.
- The double-sided delicate hook for spring mounting makes it easy to mount the spring to the left or right side.
- Size:
APE00141 - Ø3 X 83 X 350mm
APE00142 - Ø5 X 100 X 485mm

APG00799-2 、 APG00799-4

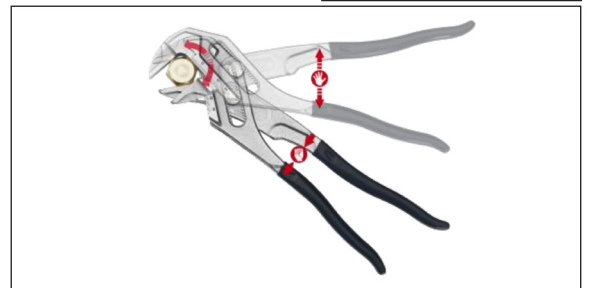
VDE GEAR WRENCH



- Made of Chrome Vanadium 6140.
- Handle: VDE handles (Hard material: PP; Soft material: TPR (Santoprene)).
- Size:
APG00799-2 - 8mm
APG00799-4 - 10mm

APG00813
7" PLIERS WRENCH


- The smooth jaw design allows for quick tightening and releasing of nuts without damage.
- Quick adjustments at the push of a button.
- Made of hot forged Chromium Molybdenum steel.
- Overall length: 7" (180mm).
- Jaw capacity: 1-7/16" (37mm).
- 16 adjustment positions.

APG00813-01
7" PLIERS WRENCH


- The slotted jaw provides a safer and more stable working experience.
- A slim head design is ideal for limited space.
- Quick adjustments with the push-down button enhance the tightening and releasing movements.
- Multiple adjustment settings extend the useful range of nut sizes.
- A perfect proportion of product weight provides a greater application balance.
- Parallel, smooth jaws prevent damage to soft or finely machined fasteners.
- Scale marking on the front head for easy measurements.
- Made of hot forged Chrome Vanadium.
- Overall length: 7" (180mm).
- Minimum opening: 30mm (up to M20).
- Jaw depth: 27.7mm
- 15 adjustment settings.

APG00983

UNIVERSAL EXTENDER WRENCH TOOL 580MM



- Provides a greater leverage, and also helps to loosen tight fasteners in hard-to-reach areas.
- Made of Chrome Vanadium for maximum performance and durability, heavy duty construction.
- Recommend to wear gloves and goggles in high powered situations.
- Length: 580mm

APG00984
29 IN 2 FINGER RATCHET WRENCH


- Ideal for quick and effortless hand movements in confined spaces.
- Ratchet rings with spline gear work on 5 types of bolts: Spline, 6pt, 12pt, Star and Square.
- Fits both metric and inch size.
- Sizes:
 8, 10, 11, 13mm or 5/16", 3/8", 7/16", 1/2", E10, E12, E14 or M10, M12, M14, M16
 14, 16, 17, 19mm or 9/16", 5/8", 11/16", 3/4", M18, M20, M22, E18, E20, E24

APG00985
8X10 RATCHETING BATTERY WRENCH


- Smooth 72-tooth ratchet is designed for removing battery post clamps with ease.
- Featuring a reversible mechanism.
- An 8mm (12 point) socket on one side, while the other side features a 10mm (12 point) socket.
- With a double-dipped, textured grip and chrome plated finish, ensuring a comfortable and secure hold.
- Length: 192mm

APG00986

12PC DRAIN PLUG SET



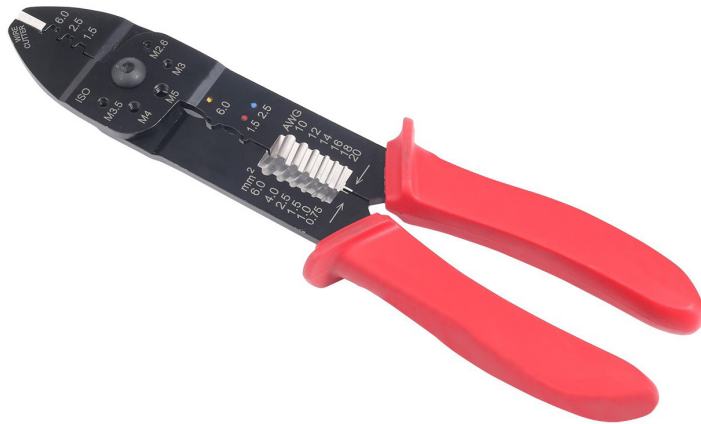
- 14mm and 17mm flexible ratchets specifically designed for providing optimal leverage within tight spaces.
- Drain plug set is tailored to remove most drain plugs from oil drains, transfer cases, and transmissions.
- Extra long handles enable access to small and hard-to-reach areas.
- Ratcheting head design is easily repairable for a lifetime of reliable use.
- Bit sizes: 14mm x H12, 14mm x H14, 14mm x H17, 14mm x H19, 14mm x S8, 14mm x S10, 14mm x T40, 14mm x T45, 14mm x T70, 14mm x M16, 14mm x M18.

APG00987

12PC ANTI-SLIP COMBINATION SPANNER SET



- Comprehensive spanner set is perfect for daily professional use.
- Each spanner is color-coded for quick and easy identification.
- The open-ends feature an anti-slip hex configuration.
- Crafted from high-quality slim style Chrome Vanadium steel.
- Each spanner is hardened and tempered with a fully polished micro satin finish.
- Size: 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19mm

APG00990
MULTI-PURPOSE CRIMPING PLIERS


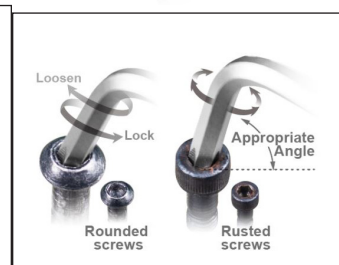
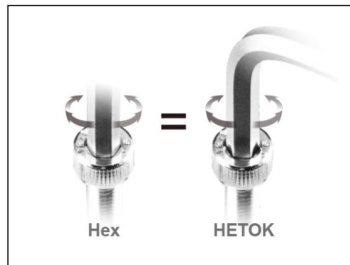
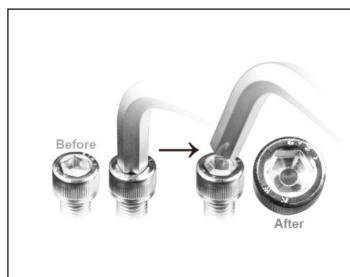
- Specially designed tool for cutting, stripping, and crimping insulated, non-insulated, and open barrel terminals.
- Bolt cutter for cutting copper and brass screws threaded M2.6, M3, M4, M5.
- Suitable for cable lugs 1.5, 2.5, and 6.0 mm².
- Strip range: 0.75 - 6 mm² (AWG 20-10).
- Ergonomically grips eliminate hand fatigue.

APG00992
LONG NOSE LOCKING PLIERS - 6 INCH


- Long nose straight jaw with curved profile section reaches into narrow spaces and provides maximum contact on flat, square, and hex work.
- Ideal for tightening, clamping, twisting, and turning.
- Micro-adjustment screw transfers proper pressure to change jaw opening, hold the workpiece in proper alignment, and stay adjusted for repetitive use.
- Length: 6" (170mm)

APG00993

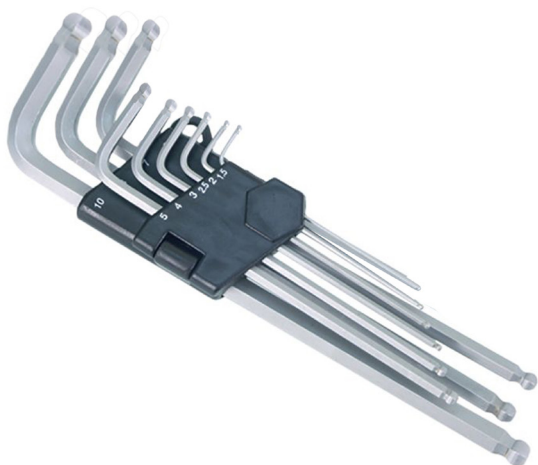
9PC EXTRA LONG TYPE BALL END HETOK HEX KEY (METRIC)



- Patented gripping edges designed to lock and loosen stripped, seized, rusty, or damaged screws and bolts.
- Enables various angles of tilt without damaging the inner walls of standard screws.
- Crafted from durable S2 steel.
- Metric Sizes: 1.5, 2, 2.5, 3, 4, 5, 6, 8, and 10mm

APG00994

9PC EXTRA LONG TYPE DOUBLE END BALL POINT HEX KEY (METRIC)



- The ball point on the short arm provides increased torque.
- Designed for use in awkward and restricted areas.
- Made from chrome vanadium steel.
- Metric sizes: 1.5, 2, 2.5, 3, 4, 5, 6, 8, and 10mm

APH00121
TIMING KIT FOR LAND ROVER 3.0T PT306 I6 PETROL ENGINE

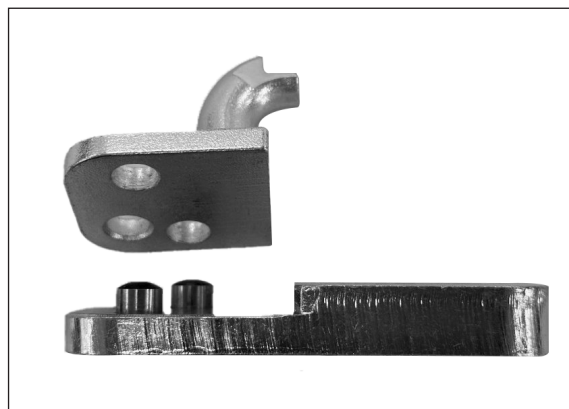
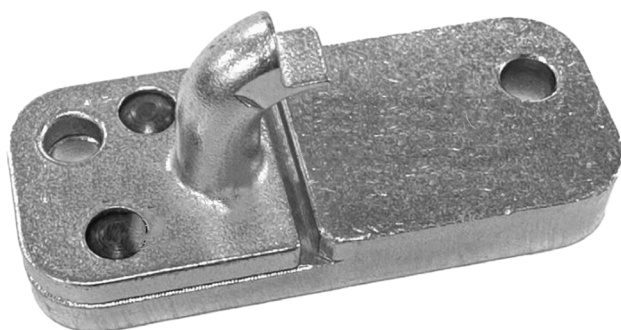

- Specially crafted to lock the camshaft and crankshaft pulley in the correct position during timing belt replacement or adjustment.
- Suitable for the Land Rover 3.0T PT306 I6 Inline 6-cylinder gasoline engine.
- Applications: Compatible with Land Rover Range Rover 3.0T from 2021, Land Rover Discovery 3.0T from 2021, and Land Rover Defender 3.0T from 2021.
- Kit contents:
 - Camshaft Adjustment VCT Setting Tool
 - Camshaft Adjusting and Locking Tool
 - Crankshaft Pulley Blocking Tool
 - Locking Pin for Tensioner V-ribbed Belt
- OEM No.: 303-1657, 303-1658, 303-1659, 303-1669

APH00122
TIMING TOOL SET FOR HYUNDAI 1.6D BELT DRIVE

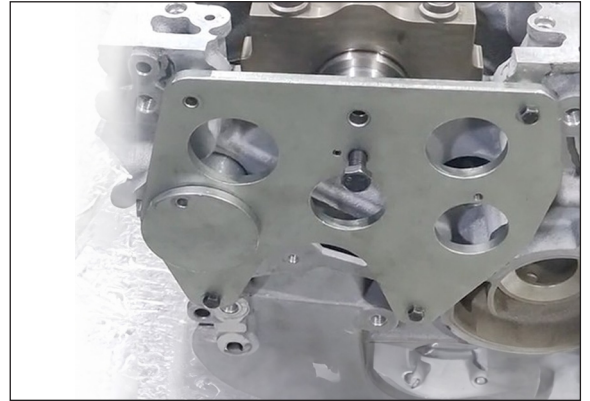

- Comprehensive tool set includes essential tools for timing belt replacement and timing checks.
- Designed for 1.6 CRDi belt drive diesel engines.
- Included tools:
 - Crankshaft Locking Tool
 - Camshaft Locking Tool
 - Camshaft Sprocket Holding Tool
 - Tensioner Pulley Holding Tool
 - Tensioner Locking Pin
- Applications:
 - Hyundai: i30 (20-22)/ i40 (18-20)/ Kona (20-22)/ Tucson (20-22)
 - Kia: Ceed (20-22)/ ProCeed (20-22)/ XCeed (20-22)
- Engine codes: 1.6CRDi - D4FE, D4FEU3
- OEM No.: 09240-2U100, 09240-2U300, 09240-2U400, 09240-2U500

APH00123

CAMSHAFT LOCKING TOOL FITS CITROEN, PEUGEOT, OPEL 1.2L ENGINES



- Designed for locking and aligning the exhaust camshaft during engine timing checks or drive belt replacements.
- Ideal for engines with a split plastic cam cover, offering significant time savings for timing checks and belt replacements.
- Applications:
 - Citroën: Berlingo (from 2018), C3 Aircross (from 2016), C4 Cactus (from 2014), C5 Aircross (from 2019), C-Elysee (2018 - 2020), DS4 (2014 - 2019), DS3 (from 2016), and DS7 (from 2018).
 - Peugeot: 208 (from 2014), 308 (from 2014), 508 (from 2019), 2008 (from 2013), 3008 (from 2014), 5008 (from 2014), Partner (from 2014), and Rifter (from 2018).
 - Vauxhall and Opel: Combo-E (from 2018), Corsa-F (from 2019), Crossland X (from 2017), and Grandland X (2017 - 2018).
- Engine codes:
 - Citroën: EB0, EB0F, EB2, EB2D, EB2DT, EB2DTS, EB2F, EB2M, F12XHT
 - Peugeot: HMT, HMU, HMV, HMW, HMY, HMZ, HNY, HNZ, ZMZ 1.0 and 1.2L THP 3-cylinder petrol engines for the engine generation (from 2012).
 - Opel: B12XE, B12XHL, B12XHT, D12XE, D12XHL, D12XHT
- OEM No.: 0109-2E

APH00124
DIESEL ENGINE BALANCE SHAFT TOOL, LAND ROVER AURORA JAGUAR 2.0


- Comprehensive tool kit includes all essential components for the safe removal, fitting, and timing of the gear-driven balance shaft on Jaguar Land Rover AJ200 2.0 diesel engines.
- Tool components:
 - TDC Alignment Plate
 - Balance Shaft Removal Tool
 - Balance Shaft Alignment Tool
 - Balancing Shaft Remover and Installer Tool
- Applications:
 - Jaguar E-Pace (from 2017), F-Pace (2016-2020), XE (2015-2020), XF (2015-2020)
 - Land Rover Discovery (from 2017)
 - Discovery Sport (2015-2019)
 - Range Rover Evoque (2015-2019), Sport (2016-2018), Velar (since 2017)
- Engine codes: Gasoline PT204, 2.0L Diesel, AJ20/204DT, AJ20/204DTA, AJ-200D/204DT, AJ-200D, AJ-200D/204DTA, 204DTA, AJ-200/204DTD.
- OEM No.: JLR-303-1662, JLR-303-1663-1, JLR-303-1663-2, JLR-303-1663-3, JLR-303-1664, JLR-303-1665.

APH00125

CRANKSHAFT PULLEY LOCKING TOOL FOR PSA, TOYOTA, VAUXHALL 1.0 1.2



- Developed to securely hold the front crankshaft pulley mount while loosening and tightening the central camshaft bolt.
- Compatible with both 3 and 6 bolt style pulleys.
- Designed for use with a 1/2" drive power bar or ratchet.
- Applications: Citroën, DS, Peugeot, Toyota, Vauxhall and Opel models.
- Engine applications: EB0 1.0L and EB2 1.2L 3-cylinder wet belted engines.