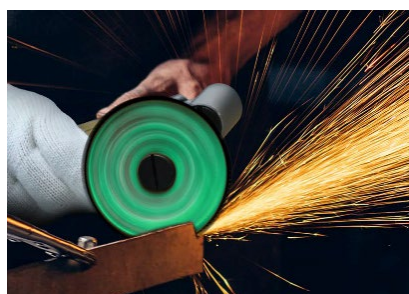
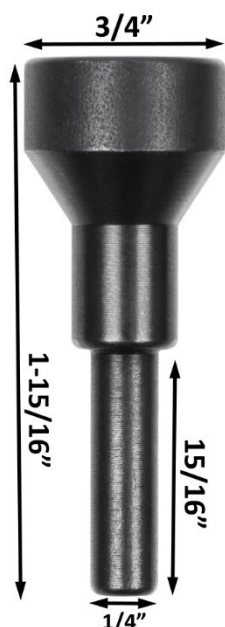
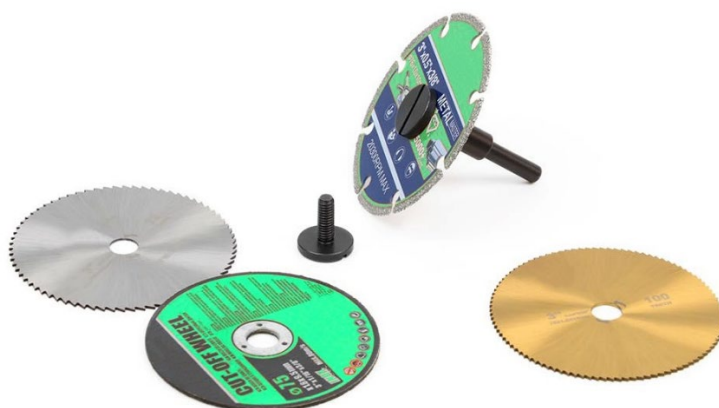


No. KA-2231 Cutting-off Disc Mandrel Sets -1/4" (6mm) Shank - 1/4" (6mm) & 3/8" (10mm) Arbor

- For various type so grinding wheel: *cleaning, sanding, grinding, polishing, descaling, deburring.*
- Multiple application & Versatile:
 - Fits the small diameter cut-off wheel or circular saw blades with 1/4" or 3/8" core hole.
 - Fits for Electric / Cordless Drill, High Speed Air Cut-off Tools
 - Fit most drill and die grinder & HSS Saw Blades.
- Durable & Rust-Resistant: Made of High-grade Carbon Steel

- Easy to Install and Remove.
- The 1/4" (6mm) mandrel set comes with two thread heads: 1/4"(6mm) & 3/8"(10mm) arbor.



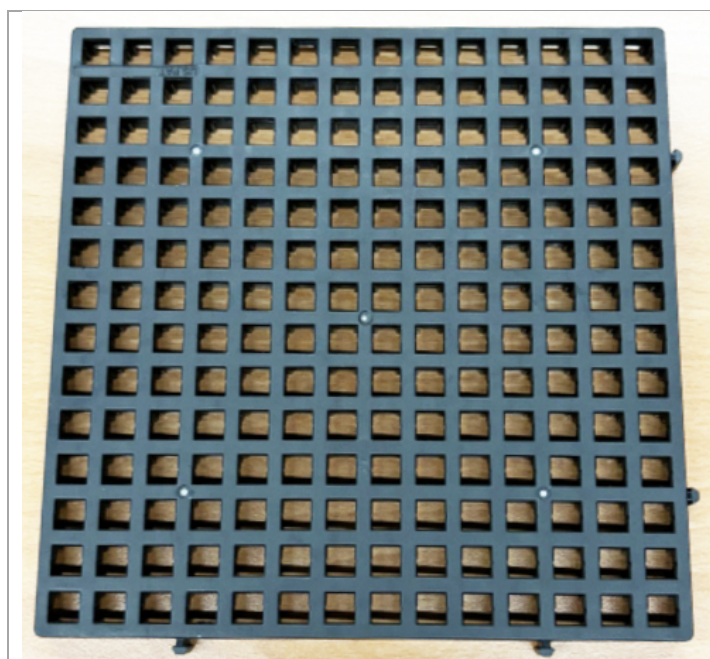
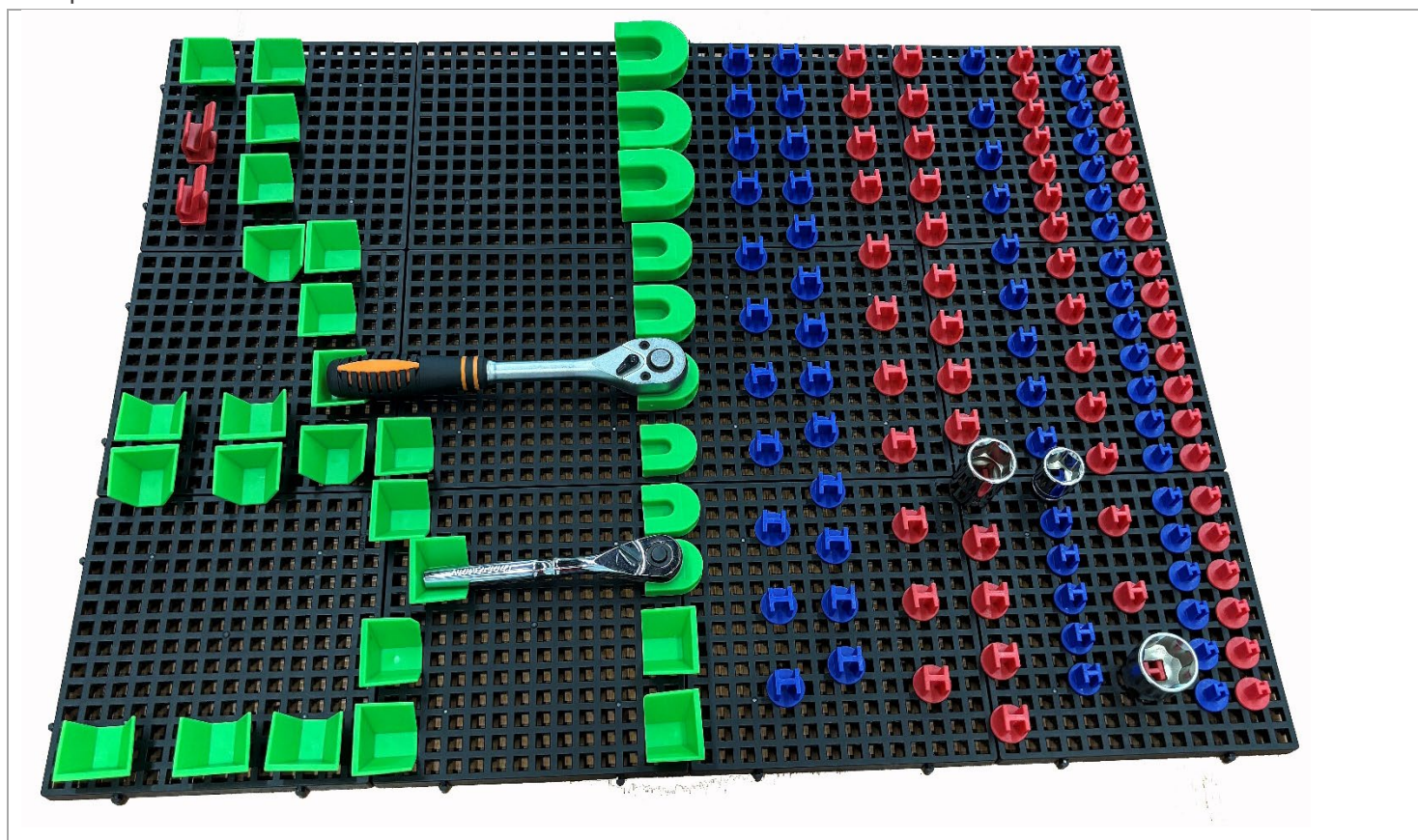
Tool Organizer for Tool Trolley Drawer

No more sweat in finding your tool in the tool trolley drawer!

Introducing the versatile, easy to use tool organizer for your tool trolley!!

Excellent for Ratchet, Spanner, Socket, Fastener...etc

- Keep your tool drawer very tidy. - Organize your tools freely.
- Find your tool in split second
- Each grids holds the hex bit. Use it alone or with accessory studs/holders to hold socket, spanner...etc.



No. KA-1498

6" x 6" Tool Peg Board Set

Modular Design, Customized to your need.
Easy to use, save time and space.

Each grip holds the Hex Bit perfectly.

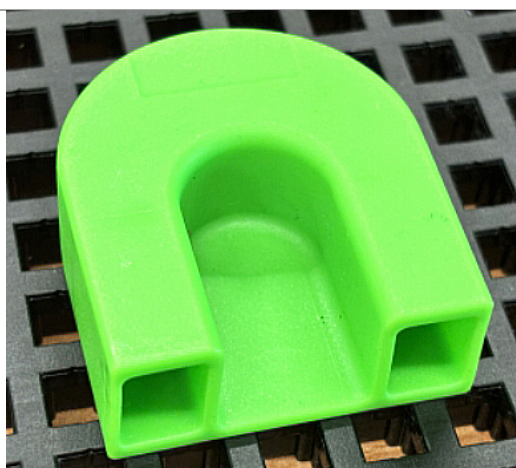
- 6" x 6" (14 grids x 14 grids) tool board.
- Material : P.P.
- Color: Black
- Dimension: 152 x 152x10mm
- Each set contains 10 pcs tool board.
- Unit Package: White box
- Packing;10 sets/CTN/15/16Kg



Socket Stud / Socket Clip

Twist Lock base design, No hassle to screw the studs.

- Material: P.P.
- Color: Red (185C)
- No. KA-1498-A01-14: 1/4" Stud
- No. KA-1498-A01-38: 3/8" Stud
- No. KA-1498-A01-12: 1/2" Stud
- Unit set contains 25 pcs studs/ packed in poly bag.



Ratchet Drive Holder

Hold the Ratchet drive securely.

- Material: P.P.
- Color: Green (802C)
- No. KA-1498-A03-14: 1/4" Stud
- No. KA-1498-A03-38: 3/8" Stud
- No. KA-1498-A03-12: 1/2" Stud
- Unit set contains 5 pcs studs/ packed in poly bag.



No. KA-1498-A04 Tool Handle Holder

Hold the Ratchet Handle, Screwdriver, Spanner

- Material: P.P.
- Color: Green (802C)
- Unit set contains 10 pcs holder/ packed in poly bag.



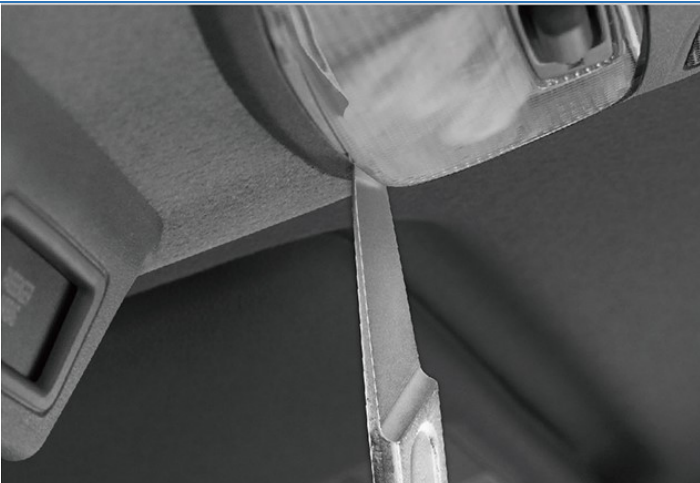
No. KA-1498-A05 Plier Holder

Hold the Pliers and other tools

- Material: P.P.
- Color: Green (802C)
- Unit set contains 10 pcs holder/ packed in poly bag.

- **Mini Type only 130mm (13cm)**, fit in your palm!
- Originally design for Aircraft repair.
- Unique design fits and insert into the tight gaps.
- Remove the trims, moldings, panels, fasteners, clips, gasket, dashboard and more without damages.

- Very thin taper end with strength and easy access to tight gap
- High Strength Thin tip <0.0218" with very little deflection
- Curve and Straight tips





- Nylon Oil Drain Plug for DAF & MAN commercial vehicles
- Drain Plug should be changed each time after oil change



- Half-Turn locking type provides leak-free connection
- A replacement of original part number DAF 1982821



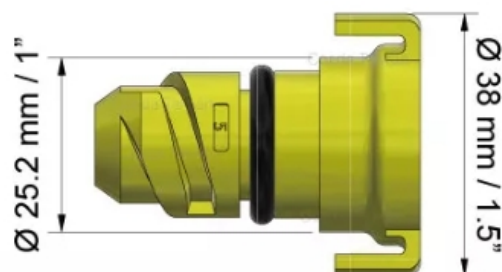
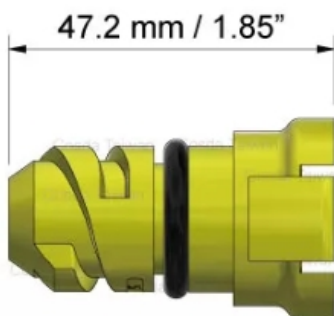
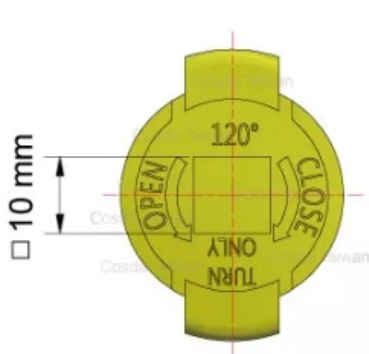
**Compatible with
DAF with 12.9 L
PACCAR MX-13
engines Euro 6**



- Nylon oil drain plug used on Ford models
- Drain plug should be changed each time after oil change



- Compatible with OE number FT4Z-6730-A



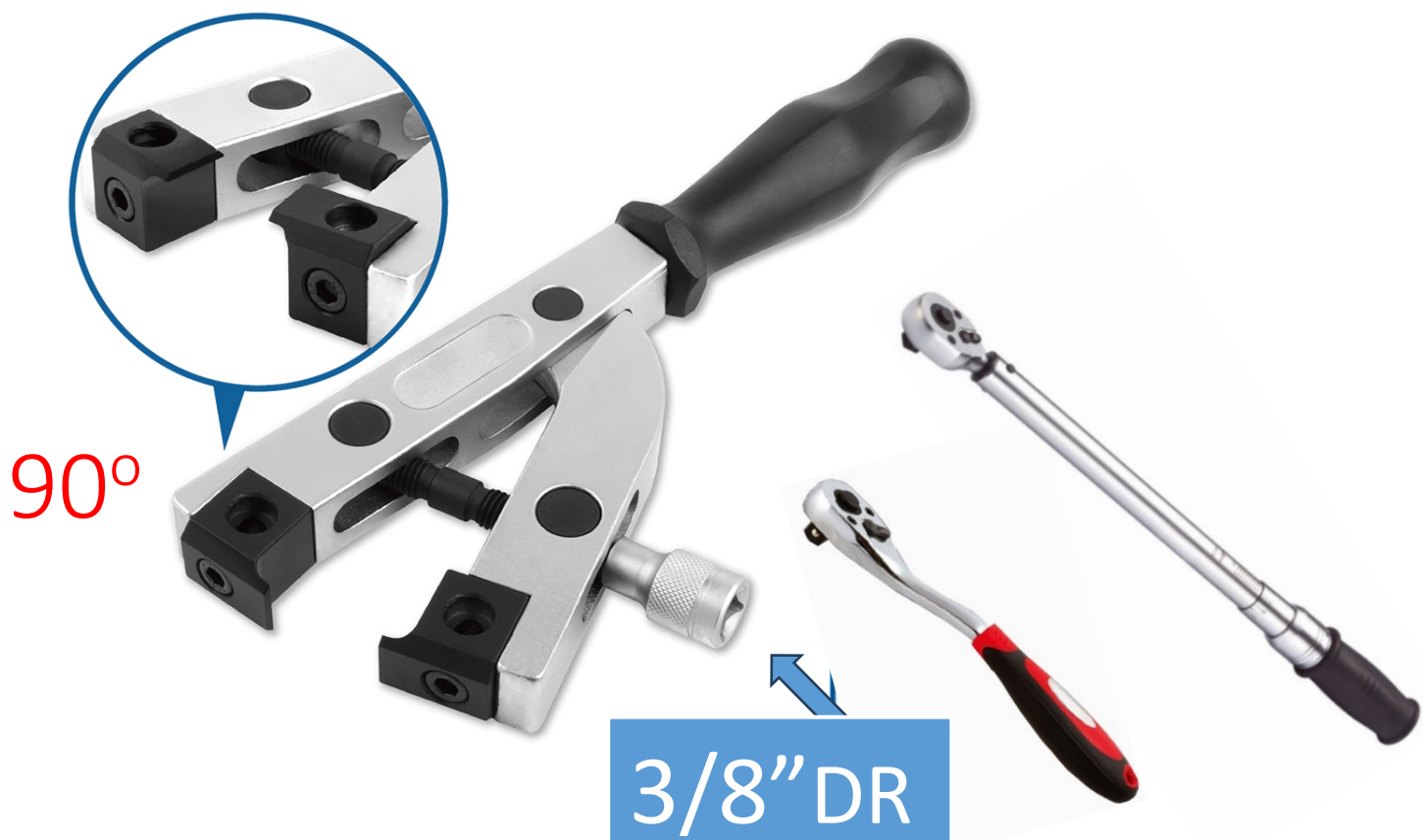
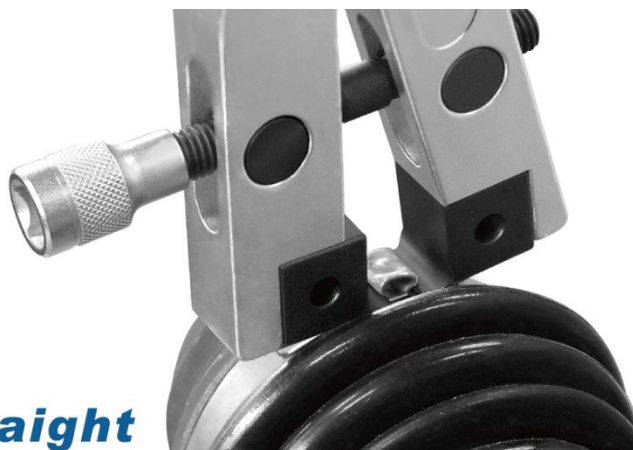
No. KA-5007BN

3/8" Torque Dr. CV Boot Clamp Pliers – Two Way Jaws Straight Jaws & Angled Jaws

Modern vehicle fits with **high-strength stainless steel CV Boot Clamps** with specified "Torque-Setting Value "(23-30Nm Typically).

KA-5007BN let you use more compression to reach precise tightening.

- Use it in Straight and 90° direction let you have more access point especially in a confined drive shaft / suspension area.
- Great to work in hard-to-reach areas.
- Application: VAG, Opel, Vauxhall, Ford...etc

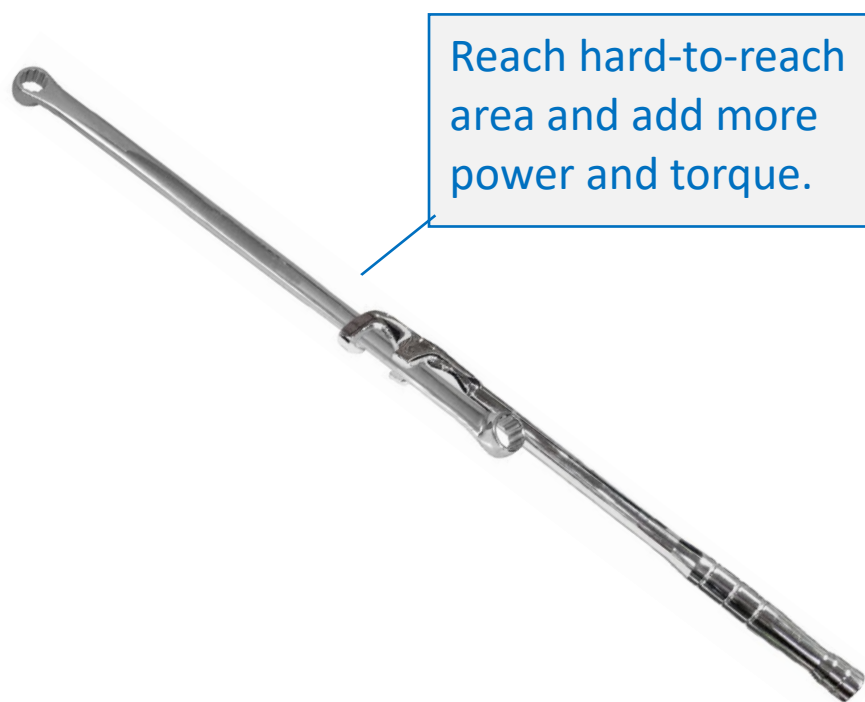
**Straight****Angled**

Extend the Spanner all the way!
Exert more power on the Spanner!



No. KA-5451WH

Universal Spanner Extension Wrench Bar



Tightly Precisely Clip the Spanner

Precision angle & Grip

Made of Durable CRV



➔ Safety Coupler fits **Five(5)** Types of Adaptors !

American Market 5-in-1 Safety Air Coupler (No.PA-B45 Series)

- Safety Sleeve to **Lock** and **Unlock** the Air Line !
- One Coupler fits 5 Types of Adaptors (Milton, Aro, Truflate, High Flow "V", Lincoln)
- **One-Touch** to Release the Air Pressure safely!
- No need to worry about changing the coupler anymore

Air Inlet Options:

Male / Female
Thread, Hose Bar

Reliable & Durable:

Made of metal for
durability!

Safety Design:

Pull Sleeve to lock
and unlock the Air
Line

One Touch & Easy to Use:

Quickly Connect or
Release.

Accepts 5 most Popular 1/4" Nipple Styles Adaptors.
No need to worry about what adaptor to use!!



Milton




Aro

Truflate


High Flow "V"

Lincoln


How to use American Market PA-B45 Series Coupler

Connect	Connected	Safety Mode
		
Disconnected	Disconnecting	Safety Mode

5-in-1 Safety Air Coupler – Male Type

	Item No	Air Flow	Max Pressure	Air Inlet	Weight	Material
	PA-B45-20SM-14	90 PSI 41.5 CFM	150 PSI 10 kgf/cm2	1/4" NPT Male	122 g	Chrome Plated 12L14 Steel.
	PA-B45-30SM-38	90 PSI 42 CFM	150 PSI 10 kgf/cm2	3/8" NPT Male	129 g	Anodized Aluminum Ring
	PA-B45-40SM-12	90 PSI 42.4 CFM	150 PSI 10 kgf/cm2	1/2" NPT Male	143 g	

5-in-1 Safety Air Coupler – Female Type

	Item No	Air Flow	Max Pressure	Air Inlet	Weight	Material
	PA-B45-20SF-14	90 PSI 36.3 CFM	150 PSI 10 kgf/cm2	1/4" NPT Female	132 g	Chrome Plated 12L14 Steel.
	PA-B45-30SF-38	90 PSI 40.8 CFM	150 PSI 10 kgf/cm2	3/8" NPT Female	139 g	Anodized Aluminum Ring
	PA-B45-40SF-12	90 PSI 43.2 CFM	150 PSI 10 kgf/cm2	1/2" NPT Female	147 g	

→ Safety Coupler fits Six(6) Types of Adaptors !

European Market 5-in-1 Safety Air Coupler (No.PA-C45 Series)

- Safety Sleeve to **Lock** and **Unlock** the Air Line !
- One Coupler fits 6 Types of Adaptors (NW7.2, NW5.5, Aro210, NW5.5 Orion, Lincoln)
- **One-Touch** to Release the Air Pressure safely!
- No need to worry about changing the coupler anymore

Air Inlet Options:

Male / Female
Thread, Hose Bar

Reliable & Durable:

Made of metal for
durability!

Safety Design:

Pull Sleeve to lock
and unlock the Air
Line

One Touch & Easy to Use:

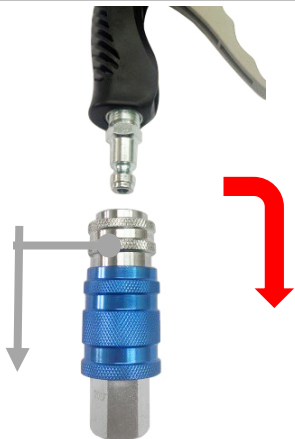
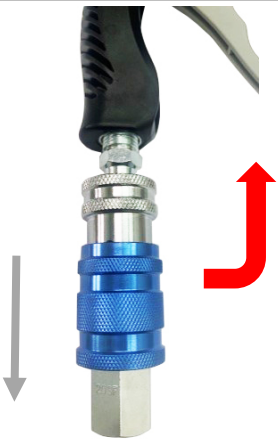

Quickly Connect or
Release.

Accepts 6 most Popular 1/4" Nipple Styles Adaptors.
No need to worry about what adaptor to use!!




NW7.2 NW 5.5 Aro 210 NW5.5 Milton Lincoln
Type 26 Orion S-727


How to use European Market PA-C45 Series Coupler

Connect	Connected	Safety Mode
		
Disconnected	Disconnecting	Safety Mode


6-in-1 Safety Air Coupler – Male Type

	Item No	Air Flow	Max Pressure	Air Inlet	Weight	Material
	PA-C45-20SM-14	90 PSI 41.5 CFM	150 PSI 10 kgf/cm2	1/4" NPT Male	122 g	Chrome Plated 12L14 Steel.
	PA-C45-30SM-38	90 PSI 42 CFM	150 PSI 10 kgf/cm2	3/8" NPT Male	129 g	Anodized Aluminum Ring
	PA-C45-40SM-12	90 PSI 42.4 CFM	150 PSI 10 kgf/cm2	1/2" NPT Male	143 g	

6-in-1 Safety Air Coupler – Female Type

	Item No	Air Flow	Max Pressure	Air Inlet	Weight	Material
	PA-C45-20SF-14	90 PSI 36.3 CFM	150 PSI 10 kgf/cm2	1/4" NPT Female	132 g	Chrome Plated 12L14 Steel.
	PA-C45-30SF-38	90 PSI 40.8 CFM	150 PSI 10 kgf/cm2	3/8" NPT Female	139 g	Anodized Aluminum Ring
	PA-C45-40SF-12	90 PSI 43.2 CFM	150 PSI 10 kgf/cm2	1/2" NPT Female	147 g	

6-in-1 Safety Air Coupler – Hose Bar

	Item No	Air Flow	Max Pressure	Air Inlet	Weight	Material
	PA-C45-20SH-9	90 PSI 34.6CFM	150 PSI 10 kgf/cm2	9mm Hose Bar	122 g	Chrome Plated 12L14 Steel.
	PA-C45-40SH-11	90 PSI 41.4 CFM	150 PSI 10 kgf/cm2	11mm Hose Bar	124 g	Anodized Aluminum Ring
	PA-C45-40SH-145	90 PSI 42.7CFM	150 PSI 10 kgf/cm2	14.5mm Hose Bar	135 g	

- Safety Sleeve to **Lock** and **Unlock** the Air Line !
- Safety Coupler fits Nitto Type Adaptor
- **One-Touch** to Release the Air Pressure safely!
- No need to worry about changing the coupler anymore

Air Inlet Options:

Male / Female
Thread, Hose Bar

Reliable & Durable:

Made of metal for
durability!

Safety Design:

Pull Sleeve to lock
and unlock the Air
Line

One Touch & Easy to Use:

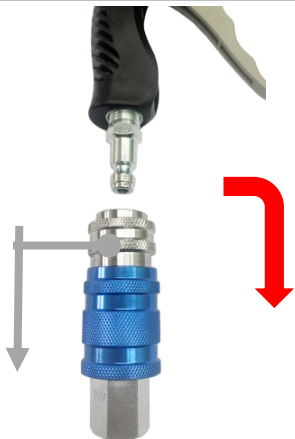
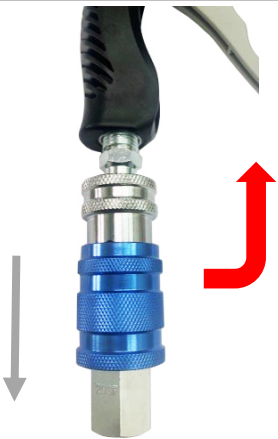

Quickly Connect or
Release.




Accepts Popular Nitto 1/4" Nipple Styles Adaptors.
No need to worry about what adaptor to use!!




How to use PA-N45 Coupler for Nitto Type Adaptor

Connect	Connected	Safety Mode
		
Disconnected	Disconnecting	Safety Mode


Safety Air Coupler – Male Type

	Item No	Air Flow	Max Pressure	Air Inlet	Weight	Material
	PA-N45-20SM-14	90 PSI 41.5 CFM	150 PSI 10 kgf/cm2	1/4" NPT Male	122 g	Chrome Plated 12L14 Steel.
	PA-N45-30SM-38	90 PSI 42 CFM	150 PSI 10 kgf/cm2	3/8" NPT Male	129 g	Anodized Aluminum Ring
	PA-N45-40SM-12	90 PSI 42.4 CFM	150 PSI 10 kgf/cm2	1/2" NPT Male	143 g	

Safety Air Coupler – Female Type

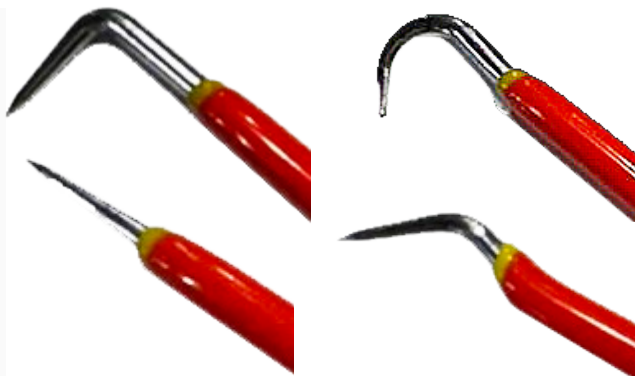
	Item No	Air Flow	Max Pressure	Air Inlet	Weight	Material
	PA-N45-20SF-14	90 PSI 36.3 CFM	150 PSI 10 kgf/cm2	1/4" NPT Female	132 g	Chrome Plated 12L14 Steel.
	PA-N45-30SF-38	90 PSI 40.8 CFM	150 PSI 10 kgf/cm2	3/8" NPT Female	139 g	Anodized Aluminum Ring
	PA-N45-40SF-12	90 PSI 43.2 CFM	150 PSI 10 kgf/cm2	1/2" NPT Female	147 g	

Safety Air Coupler – Hose Bar

	Item No	Air Flow	Max Pressure	Air Inlet	Weight	Material
	PA-N45-20SH-9	90 PSI 34.6CFM	150 PSI 10 kgf/cm2	9mm Hose Bar	122 g	Chrome Plated 12L14 Steel.
	PA-N45-40SH-11	90 PSI 41.4 CFM	150 PSI 10 kgf/cm2	11mm Hose Bar	124 g	Anodized Aluminum Ring
	PA-N45-40SH-145	90 PSI 42.7CFM	150 PSI 10 kgf/cm2	14.5mm Hose Bar	135 g	

No. KA-6419EC Insulated Hook and Pick Set

- **Insulated!** Great for removing O-rings and Gasket.
- Standard: 1000V, IEC 60900 23
- 4 pcs/set : 90° Tip , Hook tip , Straight , Combination tip



No. KA-2259 BA Fitting Open End Wrench Set (6 pcs/set)



- ➔ For British Association Bolt
- ➔ Very Precise but Tiny!
- ➔ The overall length about 6.5cm

- Double End, Open Wrench with Sizes: 0 x 2BA, 1 x 3BA, 4 x 6BA, 5 x 7BA, 8 x 10BA and 9 x 11BA.
- A must-have tool set for working on older / classic vehicle, machinery with BA Fixing & electrical equipment.
- Made of CRV

No. KA-1450 Flare Nut Torque Adaptor Set_ 3/8"Dr. 10pc/set



Turn the regular Ratchet Handle into the Flare Nut Wrench or any Wrench!!

- Use with 3/8" Dr. Torque Wrench to tighten the **wired sensor** or the **flare nut**
- Size: 10, 11, 12, 13, 14, 15, 16, 17, 18 & 19mm
- 3/8" Dr. * 12 PT.
- Length: 68-76mm
- Note: Please recalculate the torque setting (since the extended length of these adaptors)
- Package: EVA foam 1



No. KA-1281K 3/8" Dr. 120 Teeth Ratchet Torque Adaptor Set

Extend the regular Torque Wrench and fulfill the torque requirement !

- Use with Torque Wrenches in hard-to-reach area to fulfill the "Torque Requirement"
- 12- Point box end improves the speed and better access. improve speed and access.
- Special design for easy torque calibrations.
- 12- Point box end with fine indexing.
- Material: CR-V Steel with Black Electrophoretic



12-Point Box End

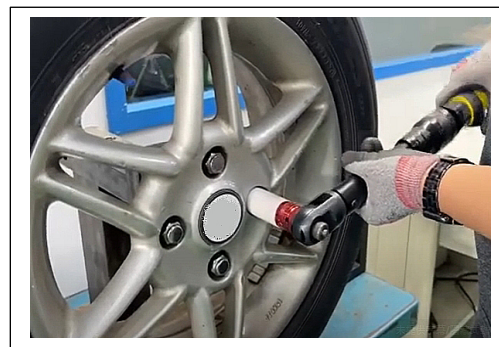
- 10 mm Torque 48 Nm
- 11 mm Torque 57 Nm
- 12 mm Torque 78 Nm
- 13 mm Torque 82 Nm
- 14 mm Torque 119 Nm
- 15 mm Torque 136 Nm
- 16 mm Torque 159 Nm
- 17 mm Torque 159 Nm
- 18 mm Torque 159 Nm
- 19 mm Torque 159 Nm



- **World's First, Dual Function, Air Torque Wrench + Air Ratchet**
- Use this to lock the wheel nuts! **No need to use** air wrench and then manual torque wrench to do so in the old fashion way!

No. PA-3090 1/2" Dual Function Air Torque Wrench + Air Ratchet

- First **Pneumatic Ratchet** combined with **Clip type Torque Wench**
- Max Torque: 150 ft-lb/ 200Nm ,Torque Range: 30-150 ft-lb/ 40-200 Nm
- Great for quick locking the bolts with torque setting
- Torque adjustment with manual locking ring at the front of the handle
- Reliable Durable mechanism to using up to 5000 cycles!!
- 4% accuracy complied with ISO 6789-1:2017 specification
- Patented



Size SQ. Dr	Free Speed	Max Torque	Torque Range	Air Consumption	Net Weight	Overall Length	Air Inlet	Air Pressure	Hose Size (ID)
1/2"	170 RPM	150 ft-lb 200Nm	30-150 ft-lb 40-200 Nm	6.3 cfm 2.8 kg	2.8 kg	480mm	1/4" NPT	90 PSI	3/8"

No. KA-2160C Heavy Duty Slide Hammer Injector Remover Kit

- Specially designed for the removal of stubborn diesel Injectors
- Featuring injector cap removal socket, security hex key for removing the inner part of the injector and a puller to remove the injector without damaging the cam cover



Content:

- (1) 4.8kg Slide Hammer
- (2) M18 x 1.5 Universal joint
- (3) Special hex bit inserts:
½"drive 10mm with bore
ø7.5mm & 10mm with
Bore ø6.5mm
- (4) Injector disassembly
- (5) Adapter 6 PCS:
M14x1.5, M16x1.0,
M17x1.0, M20x1.0,
M25x1.0, M27x1.0

Adapters Applications

M14x1.5 MB CDI, FORD TDCI, KIA, BMW M47

M16x1.0 Toyota 2.2 Diesel engines

M17x1.0 MB Bosch

M20x1.0 Denso

M25x1.0 Siemens

M27x1.0 Siemens

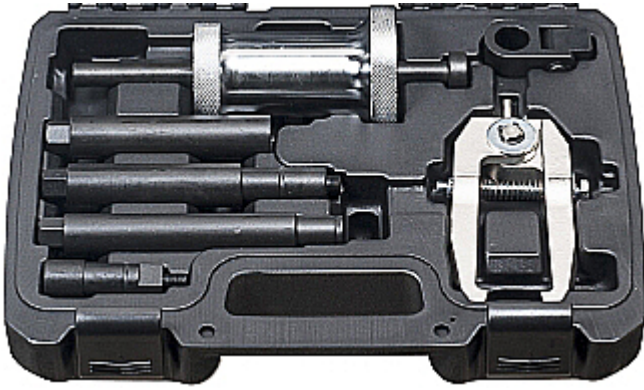
M18x1.5 360° Swivel Universal

Slide hammer 4.8kg Universal

Packing: Blow Mold Case

No. KA-3699A Universal Injector Extractor Tool Set

- Extract the diesel injectors of Bosch, Delphi, Siemens, Denso with slide hammer.
- Remove the injectors without removing the electric plug or injector head.



- Special pliers secures the gripping in the clamp holder on the injector.
- Handles with joint adapter for simultaneous pulling and twisting of the injector.
- The Handles can be attached either to the internal or external threads of the power supply connector.

Packing: Blow Case 5 set/29kgs/30kgs/2'

No. KA-3848 Universal Bearing Distance Sleeve Tool

- KA-3848 consists **three** pairs of top parts. Use this with wheel bearing tools/or on the bench press to adjust the distance sleeve.



At the base plate:

- ➔ The diameter of the distance sleeve can be adjusted to fit the wheel bearing housing.
- ➔ The three pairs of top parts can be used and installed on different shape of the wheel bearing housing.
- ➔ The top parts can be shifted separately on the guide to adjust the distance sleeve

Injector-Extractor for 1.6kg Impact Weight

- Application: Remove the seized injectors from the cylinder head.
- Extract the firmly burned injectors in the cylinder head
- Enables short and intensive impact through impact weight
- Cylinder Head does not work against the thrust bearing.
- Avoids tilting of the injectors
- Short design for hard-to-reach areas
- Thread on impact extractor 5/8" x 18UNF

No. KA-5495A
with M12 thread



No. KA-5495B
with M20 x 1.0 thread for Denso
Cylinder Head



No. KA-5495C
with M25 x 1.0 thread for Siemens
Injectors



No. KA-5495D
with M27 x 1.0 thread for Siemens
Injectors



No. KA-5495E
with M14 x 1.5 thread for Bosch /
Delphi
MB: OM 629/642/646, PSA(DV4/DW12),
VW (CBD), BMW (M47)



No. KA-5495F
with M17 x M27 thread for Bosch /
Siemens Injector
For: Alfa, BMW, Fiat, MB, PSA< Renault, Citroen
C5/Jumpy/Xsara, Ducato JTD, Peugeot
206/307/406/Boxer(2.0/2.2/2.3HDI, Mercedex-
Benz CDI (Except A-class (Sprinter/Vito)



Vacuum Type Coolant Refill Kit for MG PHEV, Electric, Petrol



- Two Adapters for MG Models
- Large internal passage to refill FAST
- Two-Valve design, easy to use, intuitive design
- Application: MG PHEV, Electric, Petrol Engines




For MG 1.5L engine coolant expansion tanks

Model	Year	Type
GS	2016-2019	1.5L
HS	2018-2023	1.5L
HS	2020-2023	1.5L PHEV
MG3	2011-2023	1.5L
MG4 EV	2022-2023	Electric
MG5	2020-2023	1.5L
MG6	2018-2023	1.5L Trophy
MG6	2010-2023	1.8T
RX5	2016-2023	1.5L
ZS	2017-2023	1.5L
ZS EV	2020-2023	Electric




For MG battery and EDS coolant expansion tanks

Model	Year	Type
HS	2020-2023	1.5L PHEV
ZS EV	2020-2023	Electric



For MG Engine Coolant Expansion Tank



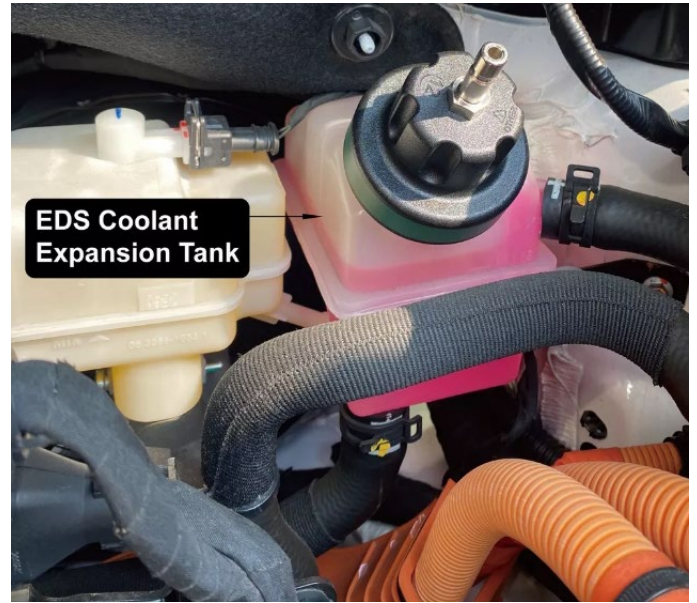
For MG EV Battery and EDS Coolant Expansion Tanks



How to use KA-5578C to refill coolant on MG Engines

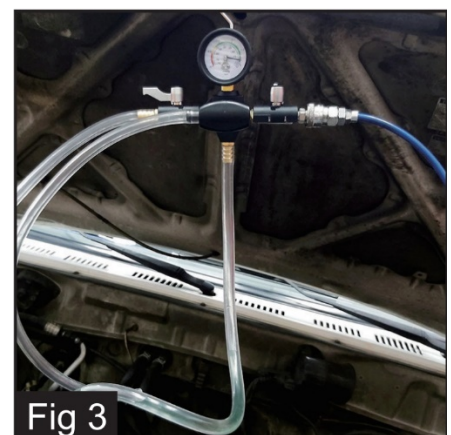
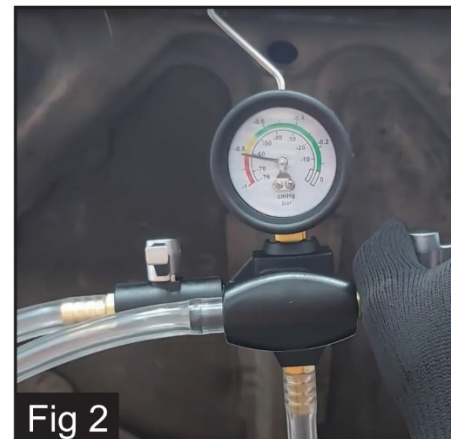
INSTALLATION

1. Jack up the car and drain old coolant.
2. After draining the coolant, lower the car. Hang the tool under the hood.
3. Connect the coolant refill hose to a suitable adapter, and connect the adapter to the filler neck on the recovery tank (Fig 1).
4. Put the coolant suction hose in the premixed coolant, and remain submerged under the surface the whole time.
5. Make sure all valves are closed and connect to air compressor.



INSTRUCTION

1. Open the air valve and vacuum can be created (Fig 2).
2. When no more vacuum can be created, turn off the air valve.
3. Open the coolant valve, and the coolant will be introduced to the cooling system automatically (Fig 3)
4. Verify the coolant level, connect the original cap. Fast refill and no air bleeding



Vacuum Type Coolant Refill Kit for **Tesla** Models S,X,3,Y

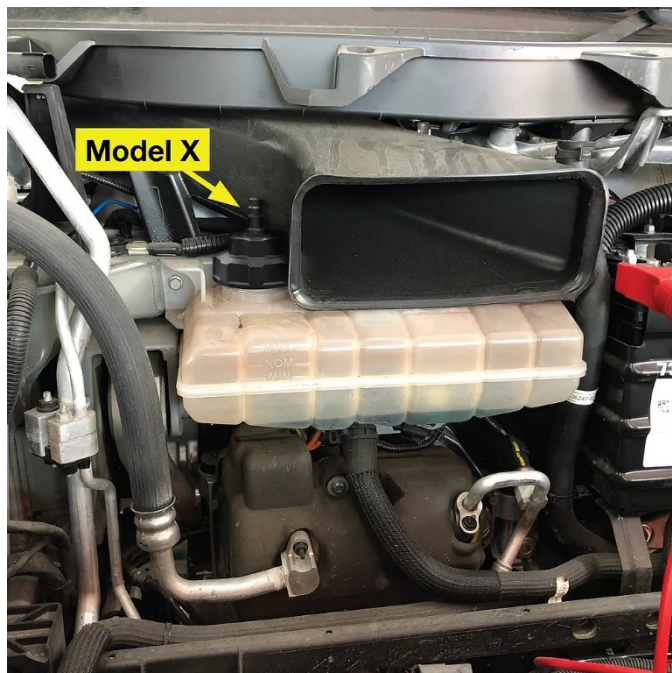


Tesla Model S and Model X



Tesla Model 3 and Model Y

- Two threaded adapters for Tesla Model S and X, and Model 3 and Y
- Large internal passage to refill FAST
- Two-Valve design, easy to use, intuitive design
- Application: Tesla



Vacuum Type Coolant Refill Kit with **Universal Adapter**



Universal conical adapter

Ø 16-43 mm / 0.63"-1.69"

- A Conical adapter, fitting almost all radiator or recovery tank filler necks
- Large internal passage to refill FAST
- Two-Valve design, easy to use, intuitive design



INSTALLATION

1. Jack up the car and drain old coolant.
2. After draining the coolant, lower the car. Hang the tool under the hood.
3. Connect the coolant refill hose to a suitable adapter, and connect the adapter to the filler neck on the recovery tank (Fig 1).
4. Put the coolant suction hose in the premixed coolant, and remain submerged under the surface the whole time.
5. Make sure all valves are closed and connect to air compressor.

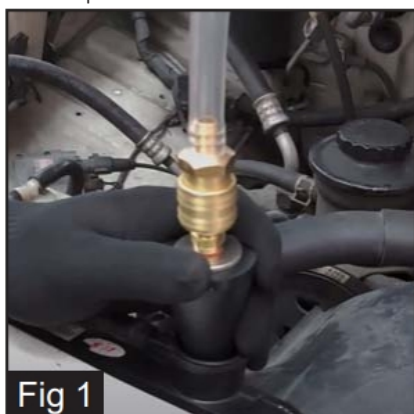


Fig 1

INSTRUCTION

1. Open the air valve and vacuum can be created (Fig 2).
2. When no more vacuum can be created, turn off the air valve.
3. Open the coolant valve, and the coolant will be introduced to the cooling system automatically (Fig 3)
4. Verify the coolant level, connect the original cap. Fast refill and no air bleeding

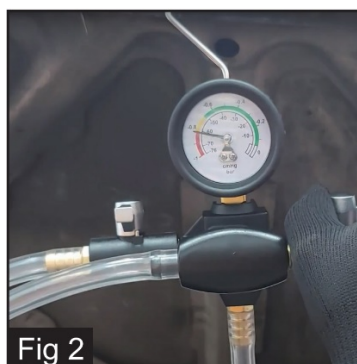


Fig 2

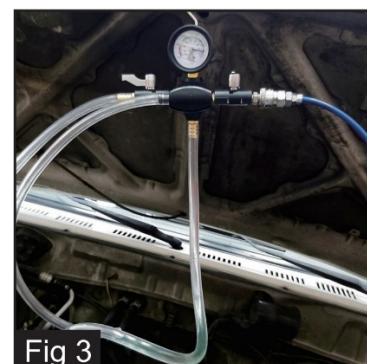


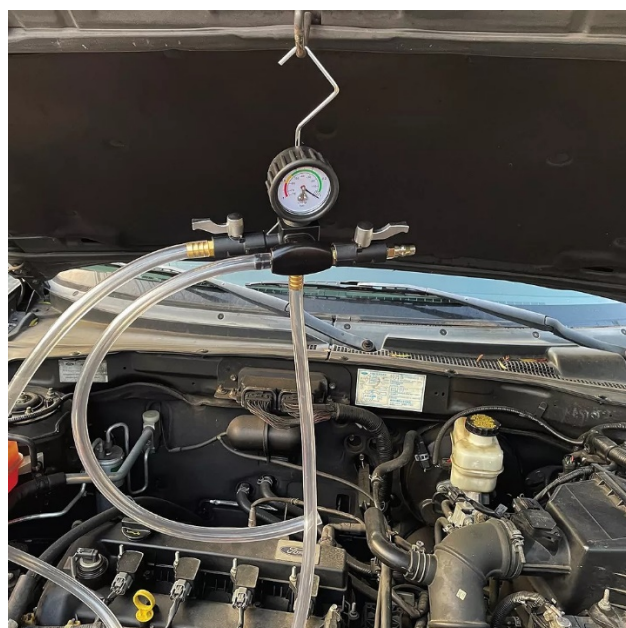
Fig 3

Vacuum Type Coolant Refill Kit - US & European Cars

- A twist-on adapter, fitting most US vehicles and some European vehicles
- Large internal passage to refill FAST
- Two-Valve design, easy to use, intuitive design
- **Application:** Buick, Cadillac, Chevrolet, Chrysler, Citroen, Dodge, Fiat 500, Ford, GMC, Honda, Hyundai, Jeep, Kia, Mazda, Mercedes-Benz, Mitsubishi, Peugeot, RAM, Renault Koleos, Subaru, Toyota




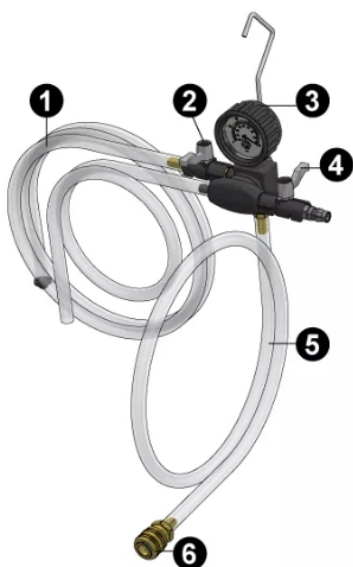
Twist-on adapter fits many US makes & models



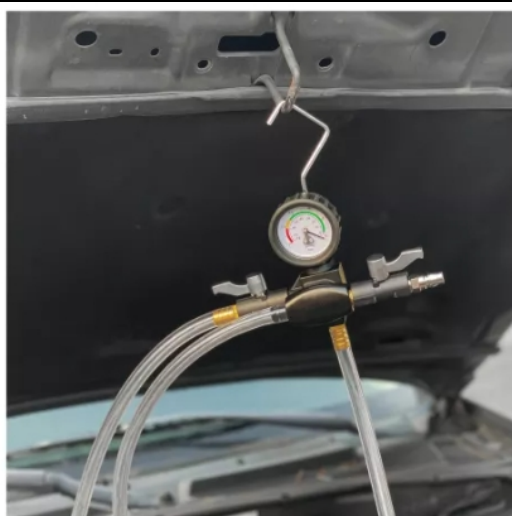
General Specification for KA-5578A, KA-5578B, KA-5578C, KA-5579A Coolant Vacuum Refill Kit



- ✓ **Fast coolant refill**
- ✓ **No need for air bleeding**
- ✓ **Easy to use**
-  **Air compressor required**



- ① Coolant Suction Hose** 1.5m / 4.9 ft
- ② Coolant Valve**
- ③ Gauge** -1 - 0 bar / -76 - 0 cmHg
- ④ Air Valve**
- ⑤ Coolant Refill Hose** 0.7m / 2.3 ft
- ⑥ Hose connector to adapters**



**Tool can be
hooked under
the hood for
easy operation**

Transformable Swivel Ratchet Handle

Use as Ratchet Handle or T-Type Ratch Handle



- Quick Release
- Ratcheting
- Swivel
- Nylon+GF Handle

Item No.	Drive	Teeth	Length	Material	Finish
KA-2280-14	1/4"	72T	130mm	Body: CRV	Mirror Finish
KA-2280-38	3/8"			Handle: Nylon+GF	Drive: Black Dye
KA-2281FL-14	1/4"	72T	180mm	Body: CRV	Mirror Finish
KA-2281FL-38	3/8"			Handle: Nylon+GF	Drive: Black Dye

Extra Long Transformable Swivel Ratchet Handle



Item No.	Drive	Teeth	Length	Material	Finish
KA-2281-14	1/4"	72T	400mm (approx.)	Body: CRV	Mirror Finish
KA-2281-38	3/8"			Handle: Nylon+GF	Drive: Black Dye

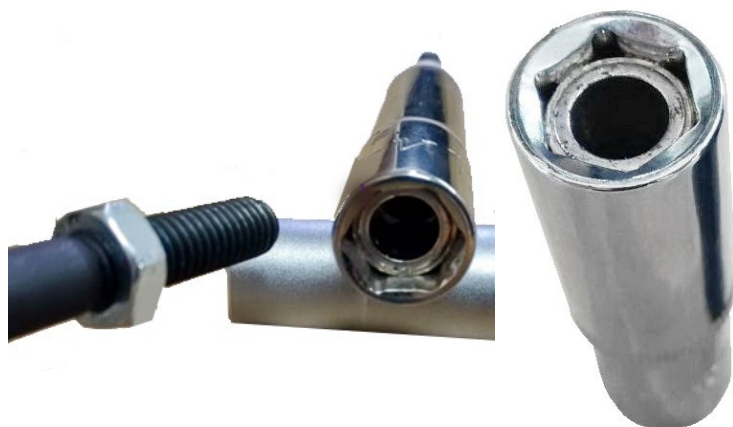
Extra Long Flexible Transformable Swivel Ratchet Handle



Item No.	Drive	Teeth	Length	Material	Finish
KA-2281F-14	1/4"	72T	400mm (approx.)	Body: CRV	Mirror Finish
KA-2281F-38	3/8"			Handle: Nylon+GF	Drive: Black Dye

3/8" Go-Thru Magnetic Socket

Go-Thru Magnetic Socket



Ordinary Magnetic Socket



This socket reaches 60% deeper than ordinary magnetic socket to cap over the bolt! Remove the bolt easily!!



The ordinary magnetic socket is **not** deep enough to cap over the bolt!!



This socket reaches 60% deeper than regular socket driver.



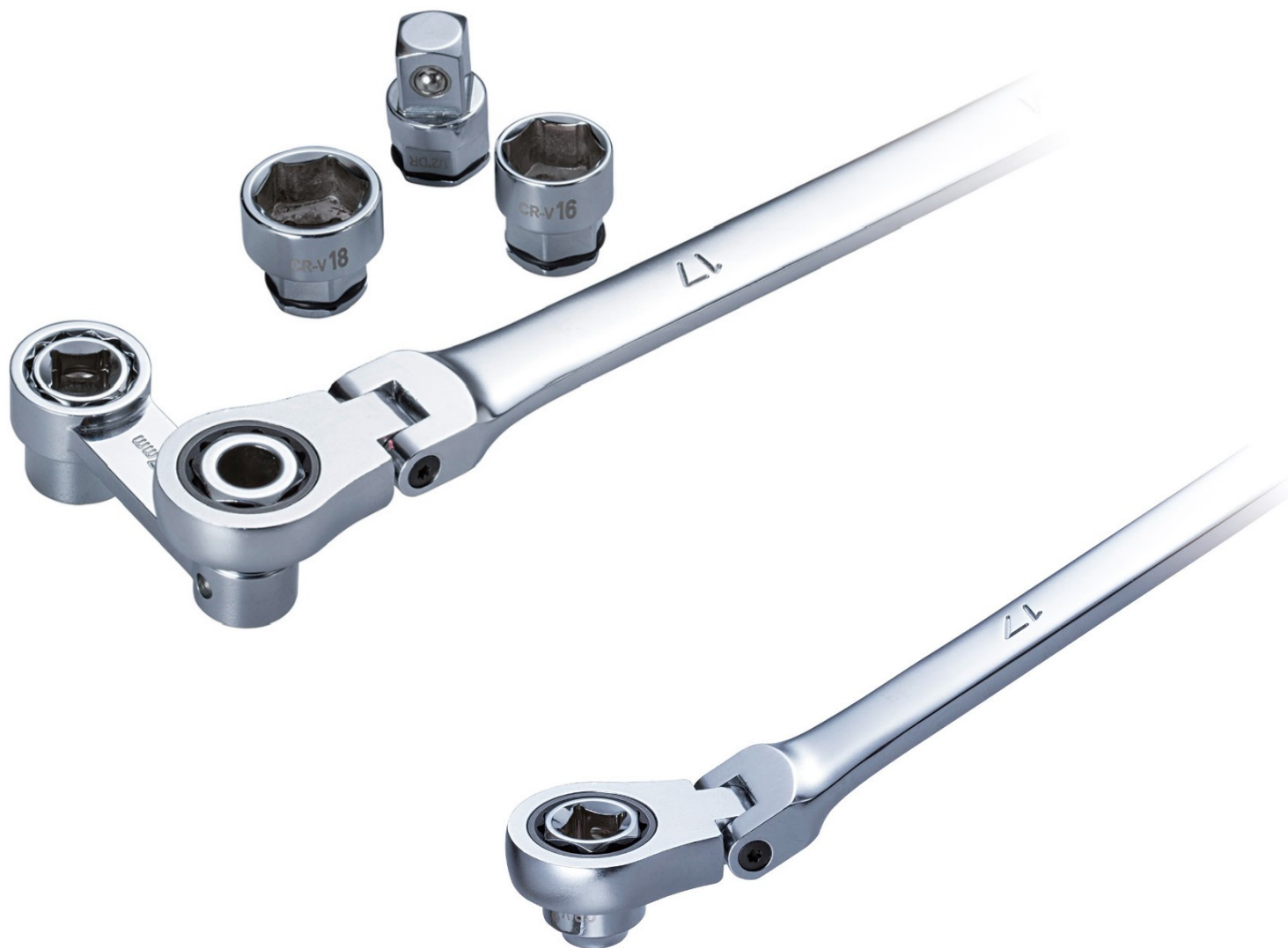
ITEM NO.	Drive	SIZE	LENGTH
KA-2278-8	3/8"	8mm	63mm
KA-2278-10		10mm	
KA-2278-12		12mm	
KA-2278-13		13mm	
KA-2278-14		14mm	

3/8" 16 PCS Flexible Ratchet Wrench Set (No. KA-2279F)



Content

1 pc	17mm Extra Long Flexible Ratchet Wrench
12 pcs	3/8" Hex Sockets: 8,9,10,11,12,13,14,15,16,17,18,19mm . Length: 24mm (Special O-ring to fit to any 17mm gear or non-gear wrench!)
2 pc	17mm Socket Adapter: 3/8" & 1/2"
1 pc	17mm 3/8" Torque Adapter wrench



3/8" 16 PCS Non-Flexible Double End Wrench Set (No. KA-2279)



Content

1 pc	17mm Extra Long Non-Flexible Double End Wrench
12 pcs	3/8" Hex Sockets: 8,9,10,11,12,13,14,15,16,17,18, 19mm . Length: 24mm (Special O-ring to fit to any 17mm gear or non-gear wrench!)
2 pc	17mm Socket Adapter: 3/8" & 1/2"
1 pc	18mm 3/8" Torque Adapter wrench



1/2" Extra Long Impact Socket (No.KA-5618K)

Length: 120mm / Integral molding / 6 Point Type / Made of Cr-Mo Steel

Size: 10,12,13,14,15,17,19,21,22,24,27,30,32mm



1/2" Long Impact Bit Socket (No.KA-5619KH / KA-5619KT)

Length: 150mm / Integral molding/ Made of SNCM-V Steel

KA-5619KH Size: H5, H6, H7, H8, H10, H12, H14mm

KA-5619KT Size: T20, T25, T27, T30, T40, T45, T47, T50, T60, T70



3/4" Impact Bit Socket for Buses (No.KA-5621K)

For: MAN M2000, Scania, buses with D08 Engine

Size: E18,20,22,24,26,28

Length: 110mm

Remove and Install the crankshaft bolt in commercial vehicles.

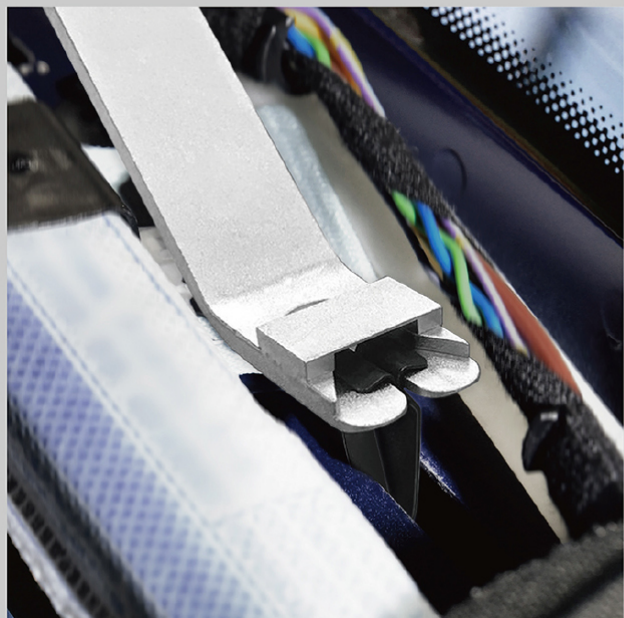


KA-4591 Omega Clip Removal Tool (VAG / Tesla / Mercedes)

Used to remove **omega clips** that hold body panels on **VW, Skoda, Seat, Audi, Porsche**, etc.



OEM Ref. T40280

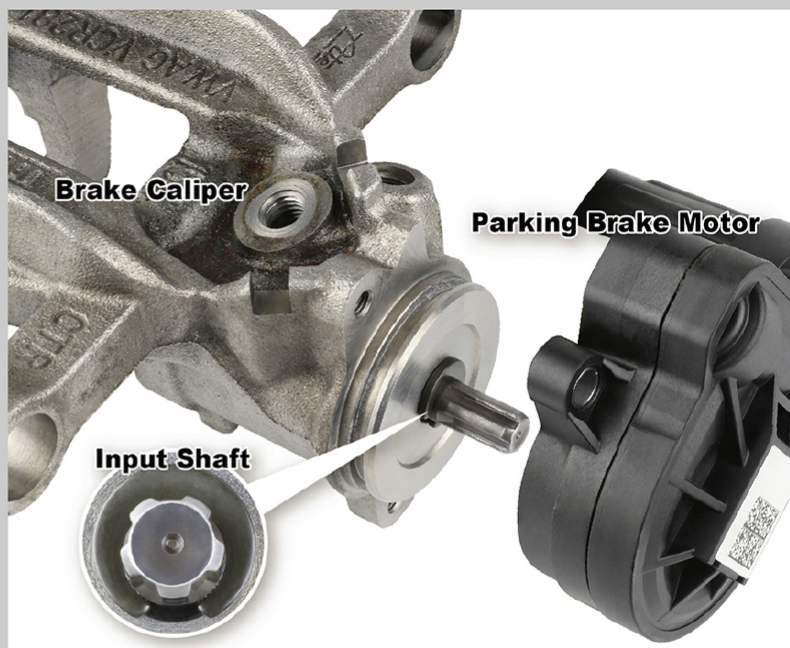


Also suitable for

Tesla Model Y (trunk trim),
Model X (falcon wing door trim),
Mercedes (2008 ~ 2020).

KA-5487 Brake Caliper Socket (VAG)

- Removing and installing **parking brake motor**.
- Tool for the **moving of the piston** at the electromechanical parking brake. (**EPB**)
- Suitable for : **VW Golf MK8**, etc.




3/8"
dr.



OEM Ref. T10621

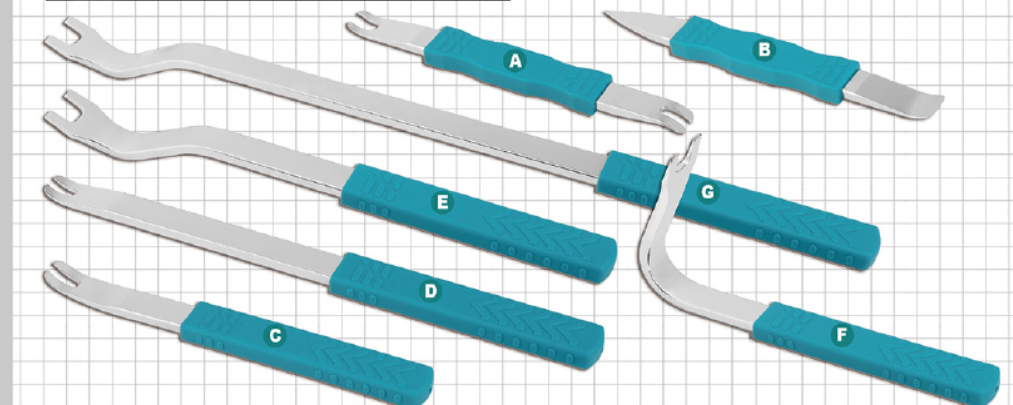
Turn input shaft back slightly using the socket until parking brake motor can be installed correctly.

KA-4592K Trim and Clip Lifter Tool Set (7pcs)




Unique design **fits in tight gaps** for removing **exterior & interior** trims, moldings, panels, fasteners, clips, gaskets, dashboards and more without damage.


A clip	double-ended	5/7mm u-notch	L 170mm	E clip	offset-long	11mm u-notch	L 245mm
B trim		radius & sharp		F clip	angled-60°		L 165mm
C clip	curved	5mm u-notch	L 175mm	G clip	offset-extra long		L 375mm
D clip	long		L 250mm				



• High strength thin tip for optimum blend of strength and access.

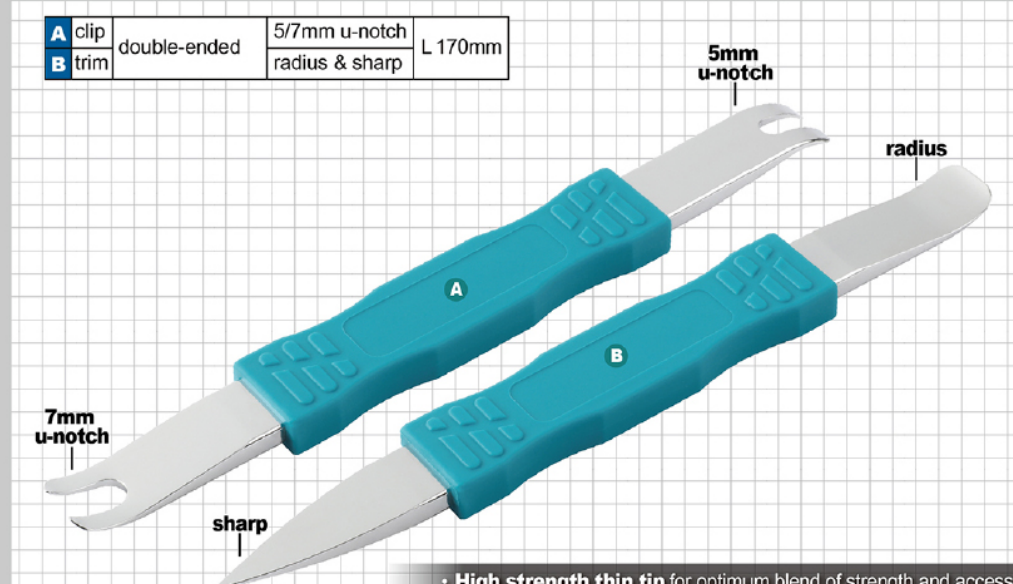


KA-4592A Trim and Clip Lifter Tool Set (2pcs)




Unique design **fits in tight gaps** for removing **exterior & interior** trims, moldings, panels, fasteners, clips, gaskets, dashboards and more without damage.

A clip	double-ended	5/7mm u-notch	L 170mm
B trim		radius & sharp	



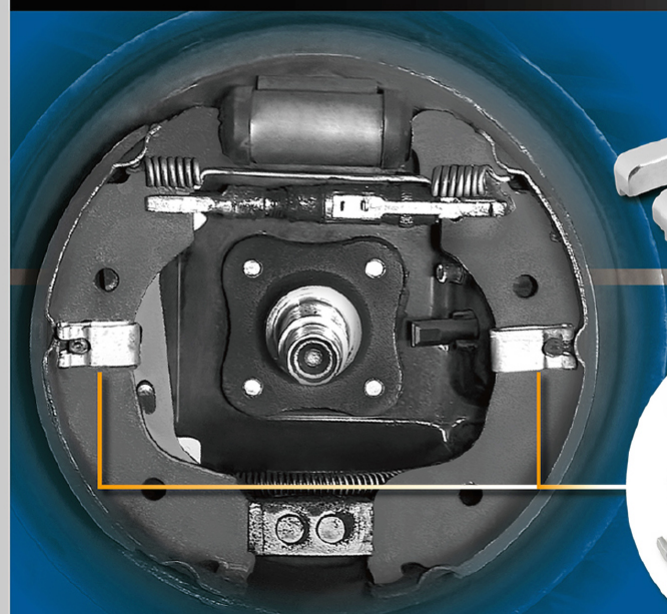
7mm u-notch
sharp
5mm u-notch
radius

• High strength thin tip for optimum blend of strength and access.



KA-4593 Drum Brake Clip Tool

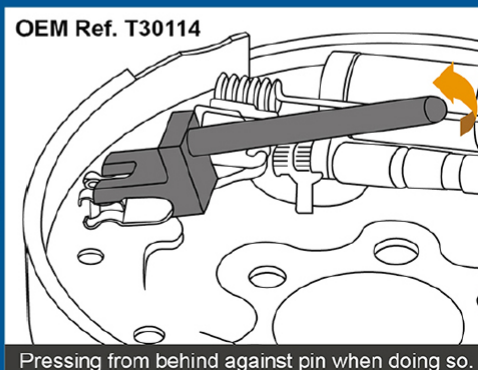
To remove and install **the retaining clips** when servicing the brake shoes during **drum brake** repairs.



Suitable for
VW Polo 2018 >, T-Cross 2019 >, Taigo 2022 >, Seat Ibiza 2018 >, Skoda Rapid 2018 >, Nissan, etc.



Also for **VW ID.3 2020 >, ID.4 2021 >, ID.5 2022 >, etc.**



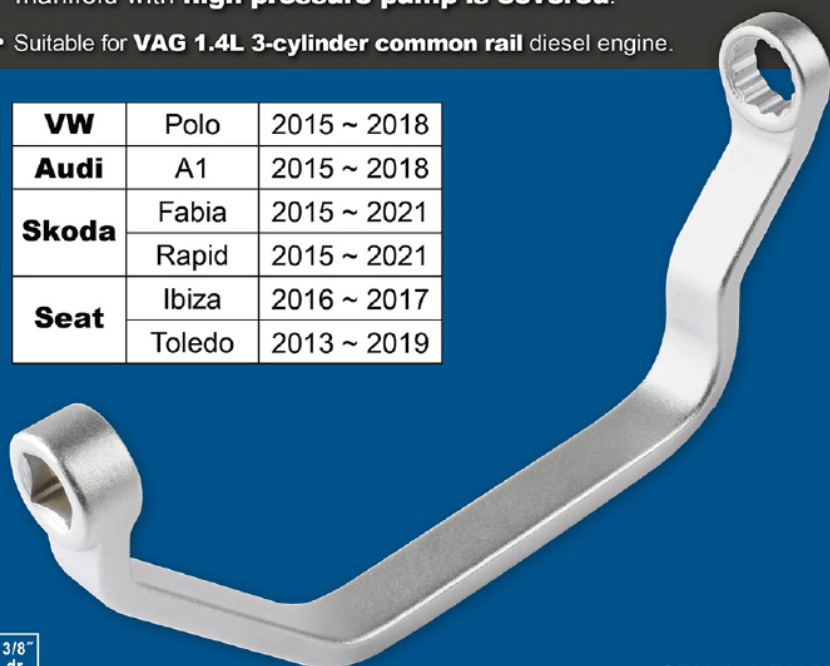
OEM Ref. T30114

KA-4594 Intake Manifold Wrench (VAG)

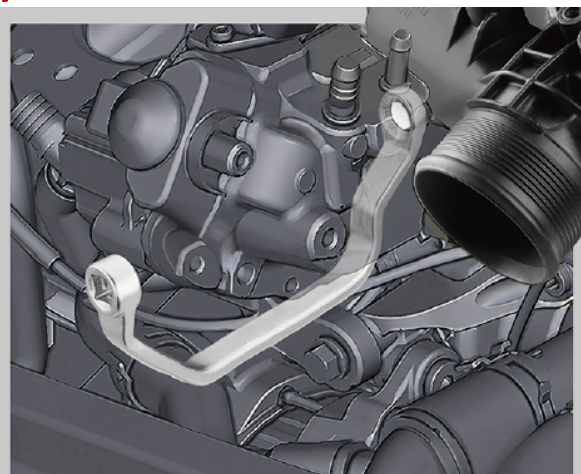
For removing and installing the **intake manifold**.

- Operation of **difficult to access screw connection** of the intake manifold with **high pressure pump** is covered.
- Suitable for **VAG 1.4L 3-cylinder common rail** diesel engine.

VW	Polo	2015 ~ 2018
Audi	A1	2015 ~ 2018
Skoda	Fabia	2015 ~ 2021
	Rapid	2015 ~ 2021
Seat	Ibiza	2016 ~ 2017
	Toledo	2013 ~ 2019



OEM Ref. T10535



3/8" dr.

13 mm

KA-4595 Connector Removal Tool Kit (VAG)

For removing connectors from FEP (Fahrzeugelektrik Pirna).

- Suitable for most **VAG push and pull connectors**.
- Ideal for use where space is limited / hard to reach.

⚠ Not for connectors with **CPA** (Connector Position Assurance).

Two-Blade

For **1 ~ 10 pin** connectors with **1.5, 2.8, 4.8 mm** terminals.



Three-Blade

For **1 ~ 14 pin** connectors with **1.5, 2.8, 4.8 mm** terminals.



KA-4596 Radiator / Coolant Cap Wrench (VAG)

*Used to loosen **stubborn caps** on coolant expansion tank.*

- Especially suitable for use in tight spaces.



Works on **VAG** group vehicles with **MQB** platform from 2013 (**petrol / diesel / hybrid / electric**).

3/8" dr.

VW					
Amarok	S6	ID.3	E1	T-Roc	A1, AC
Ameco	63	ID.4 / ID.5	E2	Taigo	CS
Arteon	3H	Jetta / Syncro	16, BU	Taigun	CW
Atlas	CM	Multivan	ST	Taos	CP
Beetle	5C	Passat CC	35	Teramont	CA
Caddy	2C, SA, SB	Passat	3C, 36, A3, 3G	Tiguan	5N, AD, BT, BW
e-UP!	BL	Polo	6R, 6C, AE, CK	Touareg	CR
Golf	5K, 5G, 51, BA, BQ, CD	Scirocco	13	Touran	1T, 5T
Golf Sportvan	AM	Sharan	7N	Up!	12
ID. Buzz	EB	T-Cross	C1, BF	Virtus	D2
Audi		Skoda		Seat	
A1	GB	Citigo	NF	Alhambra	71
A3	8V, 8Y	E-Citigo	NE	Arona	KJ
A6	4A	Enyaq	5A	Ateca	KH
A7	4K	Fabia	NJ, PJ	Born	-
A8	4N	Kamiq	NW	Mii	KE
e-tron GT	F8	Karoq	ND	Formentor	KM
Q2	GA	Kodiaq	NS	Ibiza	KJ
Q3	8U, F3	Kushaq	PA	Leon	5F, KL
Q4 e-tron	F4	Octavia	5E, NN	Mii	KF
Q5	FY	Rapid	NH	Tarraco	KN
Q7	4M	Scala	NW		
Q8	4M	Superb	3V		
TT	FV				

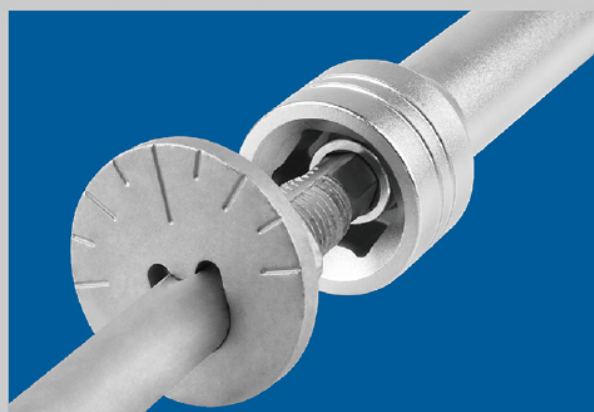
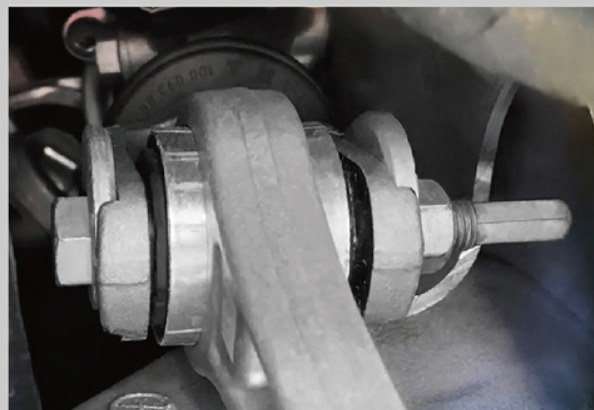
KA-4597 Rear Toe Adjustment Tool (Porsche / Audi)

The tool is used as a blind tool to adjust the toe on the rear axle.

• Suitable for Porsche Taycan 2020 ~, Audi e-tron GT 2021 ~



OEM Ref. T90009



KA-5592 Ball Joint Wrench Set (Mercedes)

- **Low profile** design with **offset** drive.
- Allows the ball joint pin to be held in place.

For loosening and tightening of the ball joint nut.

• Suitable for most **Mercedes** with double wishbone from 2015.

FT-21102A
for **upper** ball joint nut



FT-21102B
for **lower** ball joint nut



1/2\"/>

FT-21102A (for nut A0029906854)

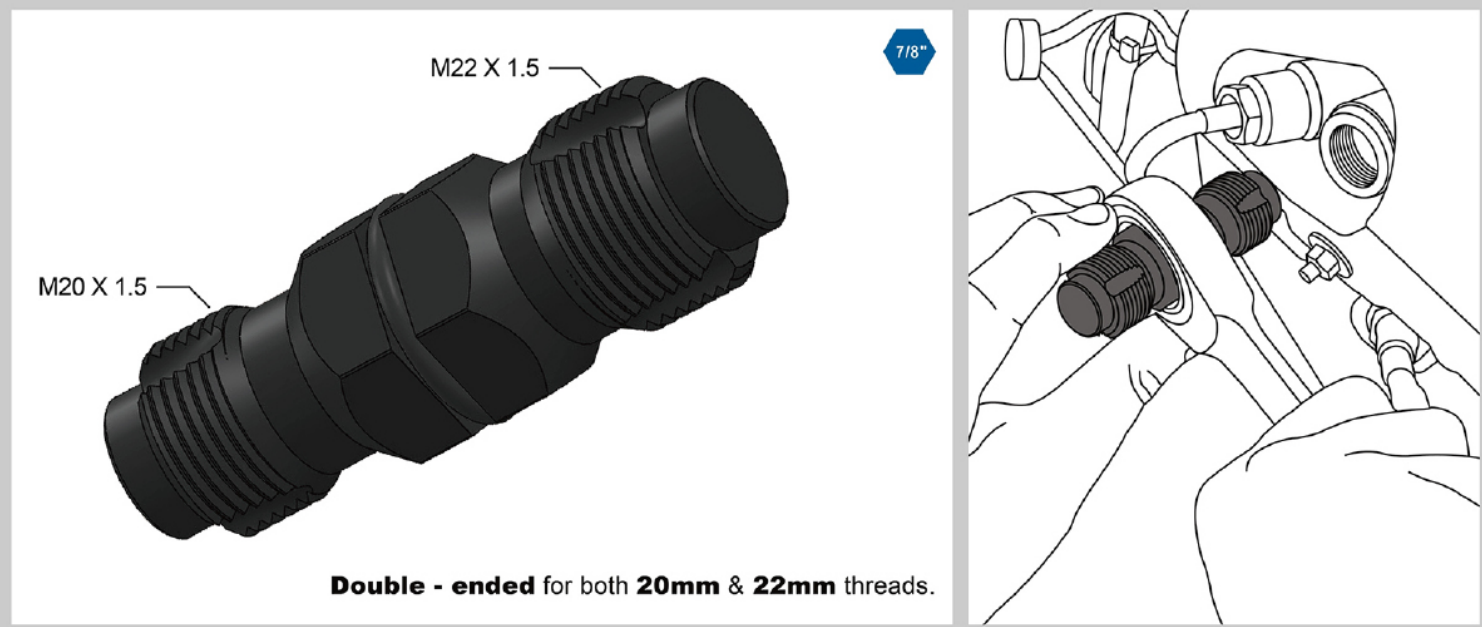
C300	2.0L L4	2015 ~ 2020
C350e	2.0L L4	2016 ~ 2018
C400	3.0L V6	2015
C450 AMG	3.0L V6	2016
C43 AMG	3.0L V6	2017 ~ 2021
C63 AMG	4.0L V8	2016 ~ 2021
C63 AMG S	4.0L V8	2015 ~ 2021
CLS450	3.0L L6	2019 ~ 2021
CLS53	3.0L L6	2019 ~ 2021
E300	2.0L L4	2017 ~ 2019
E350	2.0L L4	2020
E400	3.0L V6	2015 ~ 2018
E450	3.0L V6	2019 ~ 2020
E43 AMG	3.0L V6	2017 ~ 2018
E53 AMG	3.0L L6	2019 ~ 2021
E63 AMG S	4.0L V8	2018 ~ 2020
GLC300	2.0L L4	2016 ~ 2021
GLC350e	2.0L L4	2018 ~ 2021
GLC43 AMG	3.0L V6	2017 ~ 2020
GLC63 AMG	4.0L V8	2018 ~ 2020
GLC63 AMG S	4.0L V8	2018 ~ 2020
GT53 AMG	3.0L L6	2019 ~ 2021
GT63 AMG	4.0L V8	2019 ~ 2021
GT63 AMG S	4.0L V8	2019 ~ 2021

FT-21102B (for nut A0029907154)

C400	3.0L V6	2015
C450 AMG	3.0L V6	2016
C43 AMG	3.0L V6	2017 ~ 2021
CLS53 AMG	3.0L L6	2019 ~ 2021
E43 AMG	3.0L V6	2017 ~ 2018
E53 AMG	3.0L L6	2019 ~ 2021
GLC43 AMG	3.0L V6	2017 ~ 2020
GLC63 AMG	4.0L V8	2018 ~ 2020
GLC63 AMG S	4.0L V8	2018 ~ 2020
GLE350	2.0L L4	2020 ~ 2021
GLE450	3.0L L6	2020 ~ 2021
GLE580	4.0L V8	2020
GLS450	3.0L L6	2020 ~ 2021
GLS580	4.0L V8	2020 ~ 2021
GLS600 Maybach	4.0L V8	2021

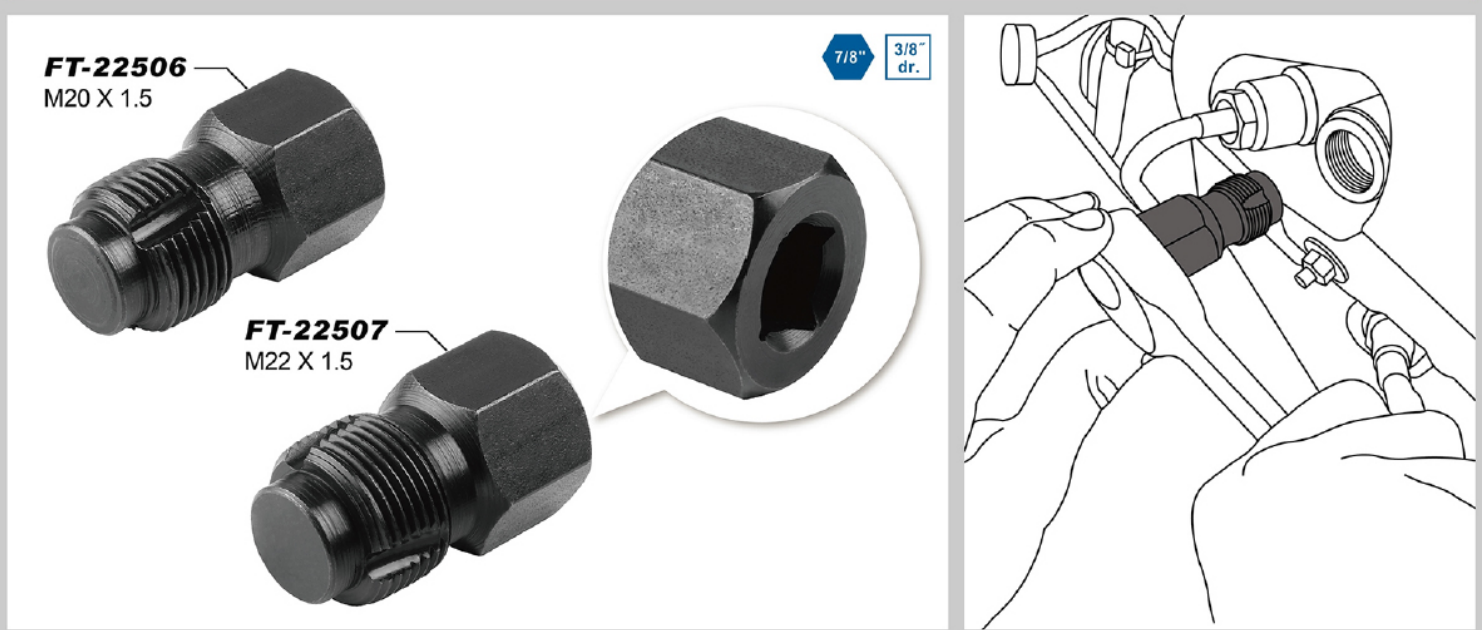
KA-4599 NOx / Soot Sensor Thread Chaser (2 in 1)

- **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 **most of exhaust sensors**.



KA-4600 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 **most of exhaust sensors**.



KA-4601 Crankshaft Pulley Puller (Ford EcoBlue 2.0L)

A new 3-piece tool for removing the crankshaft pulley with EcoBlue 2.0L diesel engine.



OEM Ref. 303-1657

Ford Panther EcoBlue 2.0L diesel engine

Transit 2018	Transit Custom 2019	Ranger 2019	Kuga 2019
-----------------	------------------------	----------------	--------------



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.

KA-4602 Oil Filter Wrench (Volvo)

Used for the oil filter housing cap with 86mm / 16 flats.

• Suitable for Volvo B4154, B4204 (petrol) / D4204 (diesel) / B420, D420 (hybrid) engines.

OEM Ref. 9997499



• The oil filter housing is recessed in the engine oil sump.

1.5L Petrol (T2, T3)	2.0L Petrol (T2, T3, T4, T5, T6, T8)	2.0L Diesel (D2, D3, D4, D5)	Mild Hybrid (B3, B4, B5, B6)	
B4154	B4204	D4204	B420	D420
S60 / V60 (11 ~ 18)	S60 / V60 (14 ~ 18)			
	S60 XC / V60 XC (16 ~ 18)			
	S60 (19 ~)		S60 (19 ~)	
	V60 / V60 XC (19 ~)			
	S80 (14 ~ 16)			
	S90 / V90 / V90 XC (17 ~)			
	V40 / V40 XC (13 ~)			
	V70 (14 ~ 16)			
	XC40 (18 ~)			
	XC60 (14 ~ 17)			
	XC60 (18 ~)			
	XC70 (14 ~ 16)			
	XC90 (16 ~)			

KA-4603 Oil Filter Wrench (Stellantis group)

Used for the oil filter with 74.5 mm / 8 flats.

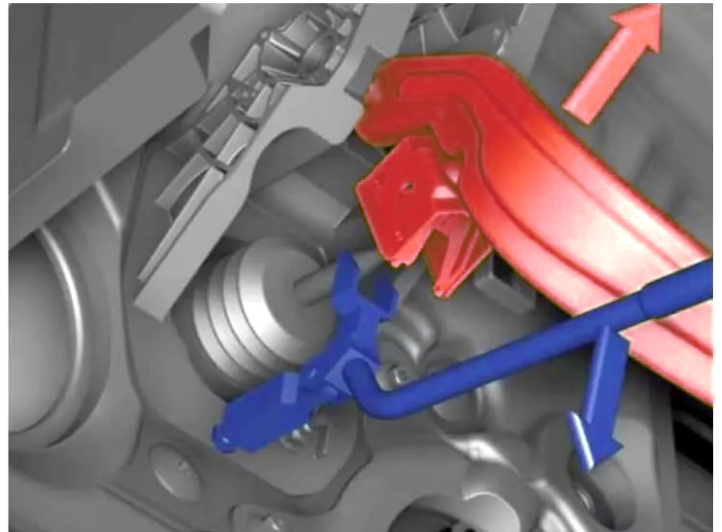
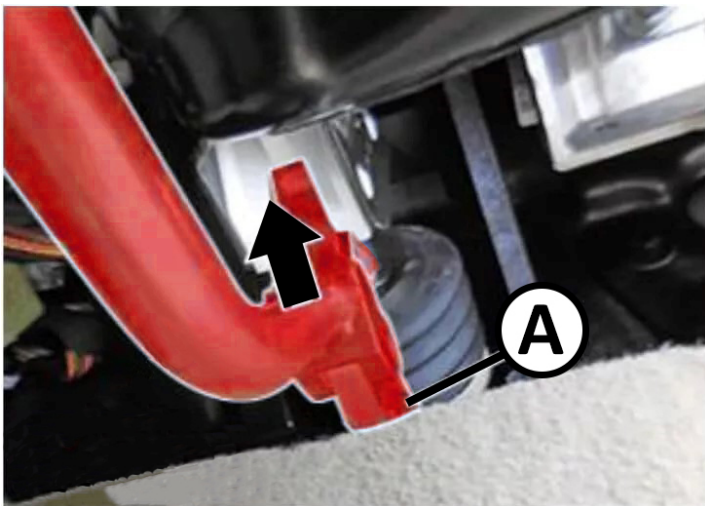
• Suitable for **Fiat / Lancia 1.0L mild hybrid** engine from 2020.

1.0L Mild Hybrid	Fiat	500 (312)	2020~
	Lancia	Panda (319) Ypsilon (846)	
1.9L JTD	Alfa Romeo	147	2000 ~ 2010
		156	2004 ~ 2006
		GT	2004 ~ 2010
	Fiat	Bravo	2007 ~ 2009
		Doblo	2001 ~
		Idea	2004 ~
		Multipia	2001 ~ 2010
		Punto	2003 ~ 2012
		Stilo	2001 ~ 2008
	Lancia	Lybra	2001 ~ 2005
		Musa	2004 ~ 2008
2.4L JTD	Alfa Romeo	156	2000 ~ 2007
		166	2000 ~ 2007
	Lancia	Lybra	2002 ~ 2005
		Thesis	2002 ~ 2009
2.0L Turbo	Lancia	Thesis	2002 ~ 2009



Brake Pedal Release Lever Tool (Item no.: KA-5494)

- Unique design to lever /pry out the brake pedal from the brake booster.
- Retract & Release Tool to use between Brake Pedal and Brake Booster.
- For BMW F01, F30, G11, G20

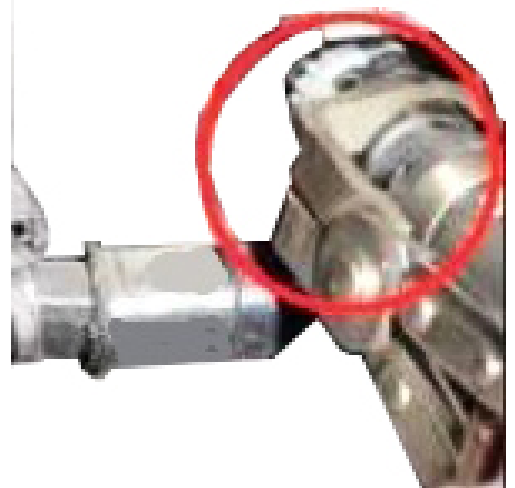


How to use?

- Apply (A) support of the release tool on the bearing support.
- Position and place the fixed support and rotate the screw on the release tool (if necessary)
- Push the release tool in the direction of the blue arrow and lever/pry out the brake pedal from brake booster.

Heater Pipe Pliers (Item no.: KA-2230)

- The heater pipe adaptors are usually close to the engine, where it is very **hard to reach!!**
- The pliers disconnects & installs the heater pipe adapter in narrow confined places.
- Not only for Heater Pipe, also works wonder on Similar Pipe & Fitting



- For Ford Focus, Escape, Kuge 2.0 (2012 ~)

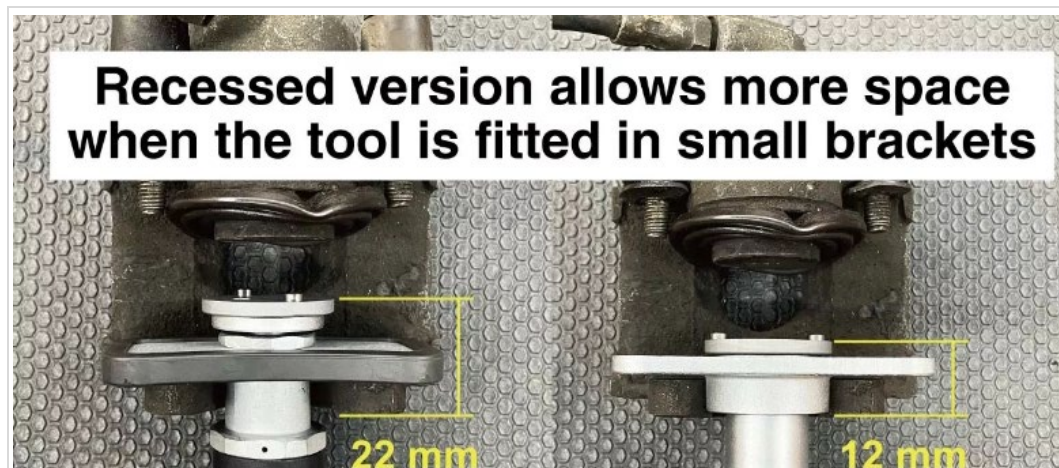


Tip Angle: 100°, Length: 190mm

● *Recessed Tip, Nylon Body, Drop-Proof, Recyclable!!*

Pneumatic Powered Brake Caliper Wind Back Tool (No.KA-2714CR)

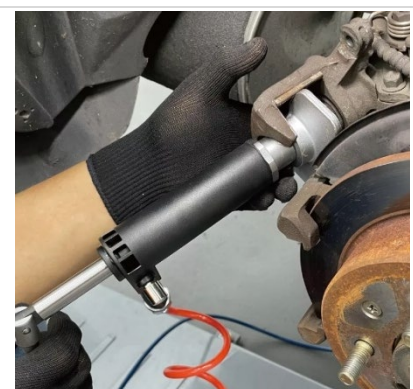
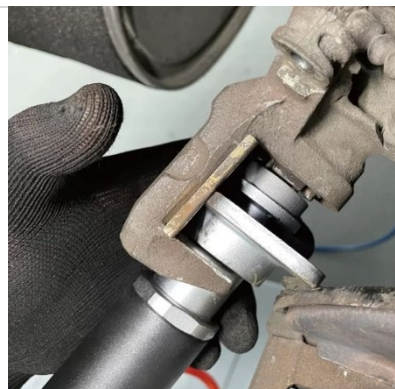
- Designed to make disc brake services faster and energy saving
- Tool can be turned left- and right-ward - suitable for regular and reverse-threaded pistons
- Pneumatic powered tool is able to wind pistons back simply pressing a button
- Magnetic pins can be retracted into the caliper holder - perfect for small brake calipers
- Adapters for fitting brake pistons may be purchased separately



Recessed Tip

Ordinary Type

Recessed type – 54.5% Thinner



KA-2714KCR Air Powered Brake Caliper Wind Back Tool – Recessed Version



- 15 Adapters, fitting wide range of vehicles.
- Unit weight (PC): 950 g / 2.1 lbs
- Size (mm): 258 × 173 × 97 mm
10.1 × 6.8 × 3.8 in
- Working pressure: 8 kg /cm2 / 113.7 psi
- Noise emission: 64.3 dB
- Vibration emission: 0.876 m/s2



● Recessed Tip & Nylon Body

Recessed type

KA-2714KC1R Air Powered Brake Caliper Wind Back Tool Set – Recessed Ver.



- 21 Adapters, fitting wide range of vehicles.
- Unit weight (PC): 950 g / 2.1 lbs
- Size (mm): 258 × 173 × 97 mm
10.1 × 6.8 × 3.8 in
- Working pressure: 8 kg /cm2 / 113.7 psi
- Noise emission: 64.3 dB
- Vibration emission: 0.876 m/s2



● Recessed Tip & Nylon Body

Recessed type

KA-2714KC2R Air Powered Brake Caliper Wind Back Tool Set – Recessed Ver.



- 22 Adapters, fitting wide range of vehicles.
- Unit weight (PC): 950 g / 2.1 lbs
- Size (mm): 258 × 173 × 97 mm
10.1 × 6.8 × 3.8 in
- Working pressure: 8 kg /cm2 / 113.7 psi
- Noise emission: 64.3 dB
- Vibration emission: 0.876 m/s2



● Recessed Tip & Nylon Body

Recessed type

How to Use:



**Air powered helps
wind back pistons
easily when pistons
are obstructed**



**Step 1
Find a suitable-sized
adapter for the piston
(adapter not included)**



**Step 2
Connect to
air compressor**



**Step 3
Place the tool into
the caliper bracket**



Step 4
Press the power button to adjust the length in the brakcet



Step 5
Turn the shaft while pressing the power button to wind back the brake piston

[Nylon Housing Non-Recessed Type also available:](#)

- Designed to make disc brake services faster and energy saving
- Tool can be turned left- and right-ward - suitable for regular and reverse-threaded pistons
- Pneumatic powered tool let you wind pistons back, by simply pressing a button
- Includes 15 adapters, fitting a wide range of vehicles

KA-2714KC (15 Adapters)



KA-2714KC1 (21 Adapters)



KA-2714KC2 (22 Adapters)



3/8" Go-Thru Magnetic Socket

1. For all **new** type of bolts with *different rim* and *shape* for most vehicles.
2. For all bolts with protruding parts.
3. Great to retrieve the bolt in deep hard-to-reach places!!

Go-Thru Magnetic Socket



Ordinary Magnetic Socket



This socket reaches 60% deeper than ordinary magnetic socket to cap over the bolt! Remove the bolt easily!!



The ordinary magnetic socket is **not** deep enough to cap over the bolt!!

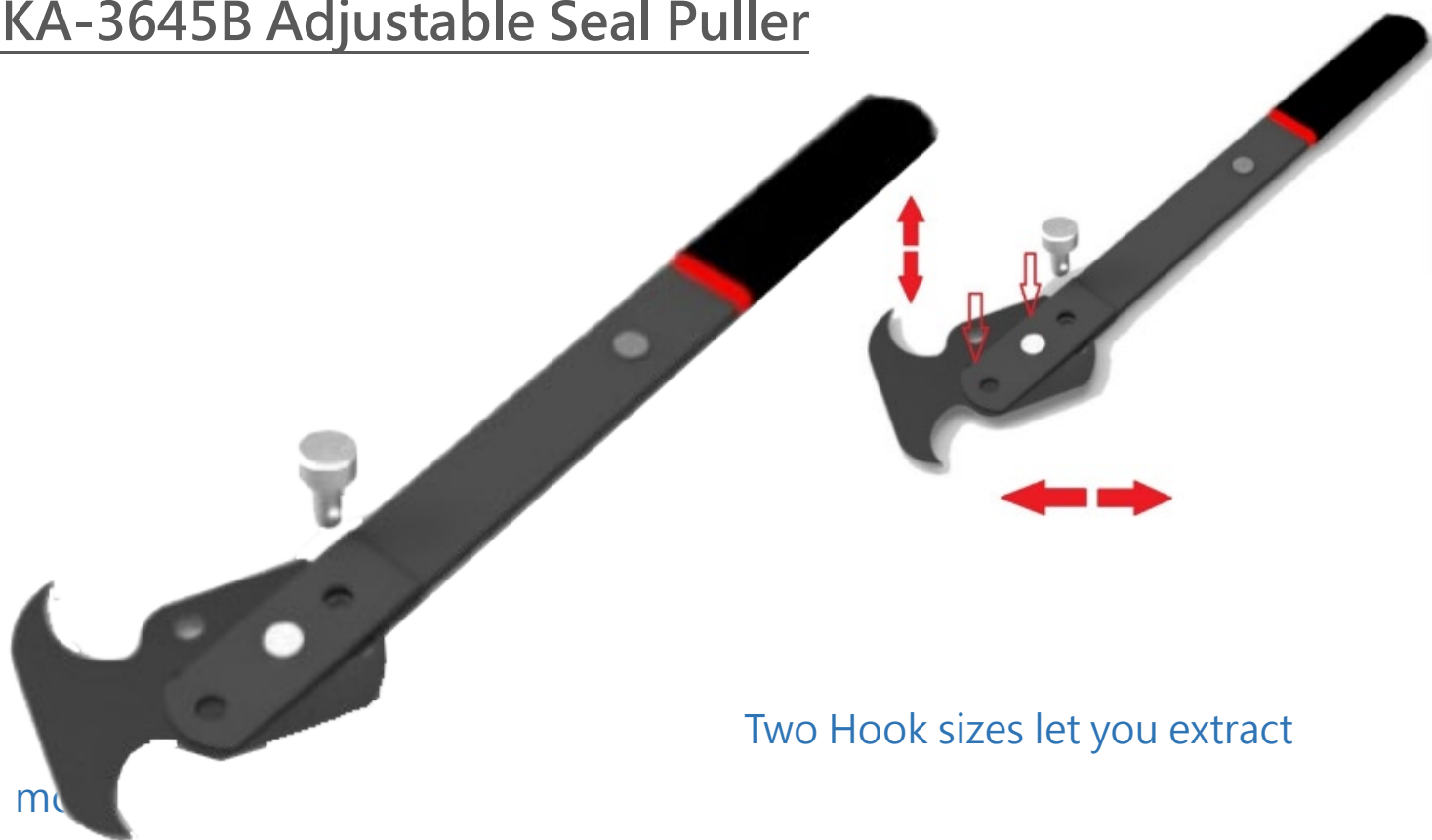


This socket reaches 60% deeper than regular socket driver.



ITEM NO.	Drive	SIZE	LENGTH
KA-2278-8	3/8"	8mm	63mm
KA-2278-10		10mm	
KA-2278-12		12mm	
KA-2278-13		13mm	
KA-2278-14		14mm	

KA-3645B Adjustable Seal Puller



Two Hook sizes let you extract

of oil and grease seal

effortlessly!!







- If there is "clearance" issue, detach the pin and adjust the head's position.
- KA-3645B adjustable head is great for "Front-Wheel-Drive" transaxles.
- KA-3645B is also great for servicing on Front Crankshaft seals, needless to remove the radiator !!

VDE Interchangeable Insulated Torque Screwdriver Set

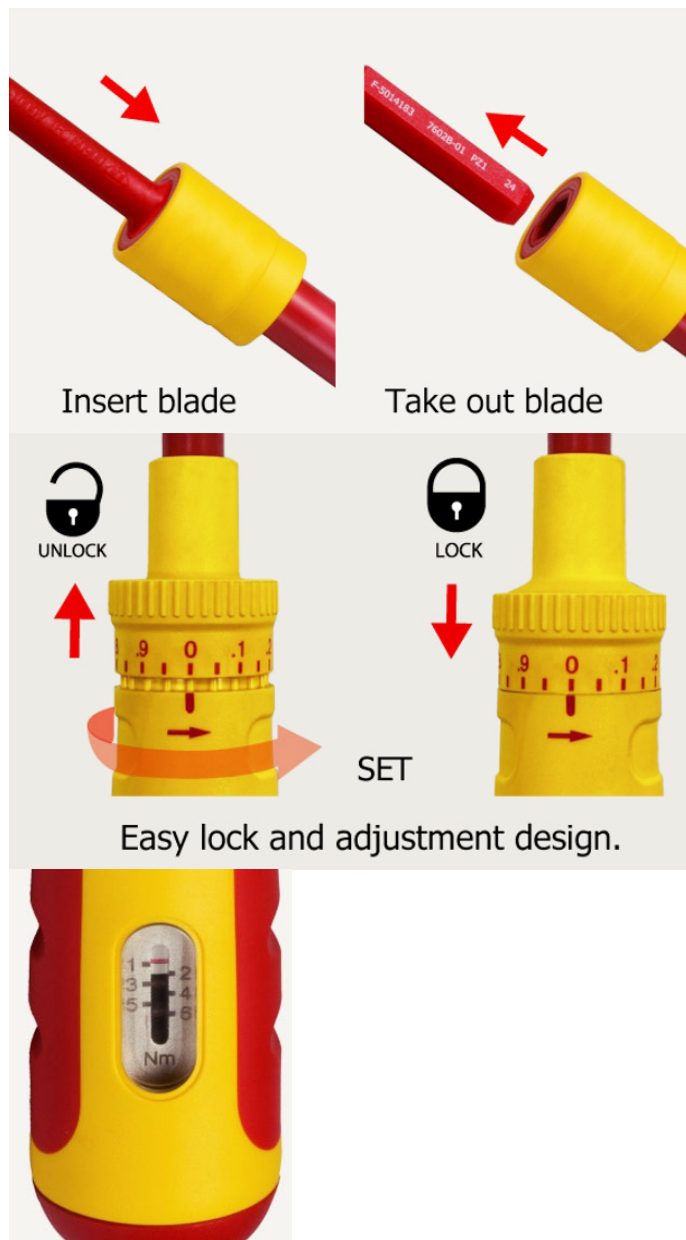
(1 Torque Screwdriver + 8 PCS Blades)

Features:

- Tolerance of Torque +/- 6%
- Interchangeable Screwdriver Blades
- Slipping Clutch Mechanism
- Micrometer scale for accurate torque setting
- Easily readable scale with Window Screen
- Applied to both clockwise and counterclockwise directions.
- Four Options for screwdriver torque range: 0.5-3Nm / 1-6Nm/ 5-25 in-lb/10-50 in-lb
- Varying Configurations of Blade options

	SLOTTED	3.0/ 4.0 / 5.5/ 6.5
	PHILLIPS	PH 1 / PH 2
	POZI	PZ1 / PZ2
	TORX	T10 / T15 / T20 / T25 (OPTIONAL)

- Ensure Safety on electrical equipment up to 1000V AC or 1500V DC.
- Ergonomic insulated grip provides protection against electric shock
- Quality meets VDE international standard – IEC 60900
- Quality meets DIN ISO 6789 & ASME B 107.300.2010



VDE PENDING





Blow Case Package



Item No.	Nm	Blades	Graduation	L (mm)	gram	Case/CTN
9.00.043A	0.5 – 3	3.0,4.0,5.5,6.5, PH1, PH2, PZ1, PZ2	0.05	212	560	24
9.00.043B	1 – 6	3.0,4.0,5.5,6.5, PH1, PH2, PZ1, PZ2	1	212	560	24
9.00.043C	5 – 25	3.0,4.0,5.5,6.5, PH1, PH2, PZ1, PZ2	0.05	212	560	24
9.00.043D	10- 50	3.0,4.0,5.5,6.5, PH1, PH2, PZ1, PZ2	1	212	560	24



Pouch Bag + Box



Item No.	Nm	Blades	Graduation	L (mm)	gram	Case/CTN
9.00.043AA	0.5 – 3	3.0,4.0,5.5,6.5, PH1, PH2, PZ1, PZ2	0.05	212	560	24
9.00.043BA	1 – 6	3.0,4.0,5.5,6.5, PH1, PH2, PZ1, PZ2	1	212	560	24
9.00.043CA	5 – 25	3.0,4.0,5.5,6.5, PH1, PH2, PZ1, PZ2	0.05	212	560	24
9.00.043DA	10- 50	3.0,4.0,5.5,6.5, PH1, PH2, PZ1, PZ2	1	212	560	24

“Now, you only need “One” File Tool to get the job done!”

KA-3847 Four-Sided Teeth Brake Caliper File Tool

- ➔ 2-Sides “Coarse” Teeth + 2-Sides “Fine” Teeth adjacent to each other
- ➔ Removes dust, corrosion, rust, and dirt from the brake caliper housing
- ➔ Coarse side remove bigger chunky rust, fine side to detailed cleaning and polishing!

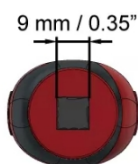
FINE **COARSE** FINE
COARSE



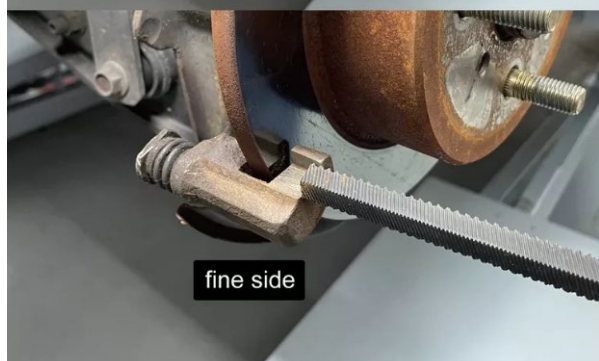
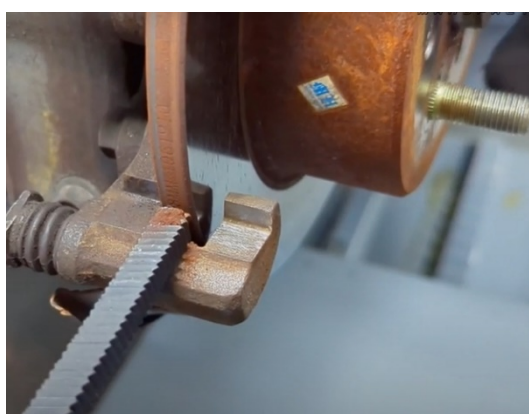
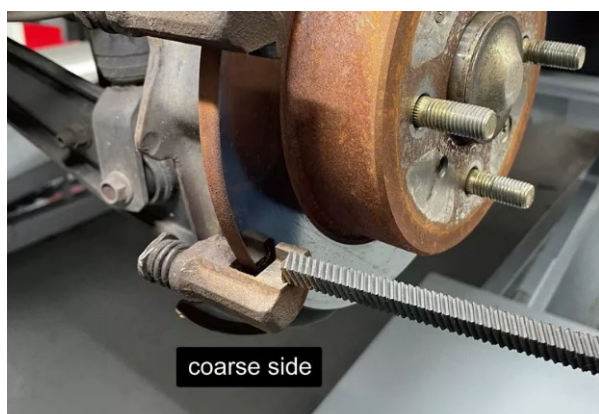
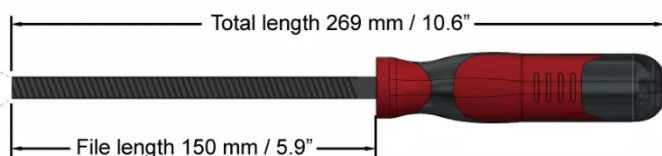
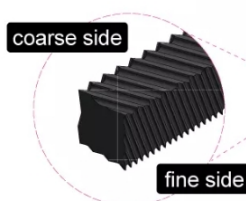
Application:

European, Japanese, Korean cars.

The 9mm might be slightly smaller for American car, but still works well on GM, Chrysler, Chevrolet.



Material	CrV
Surface	Manganese phosphate
Hardness	HRC 62-66



KA-3845 Fast Release 10" Curve Jaw Locking Pliers



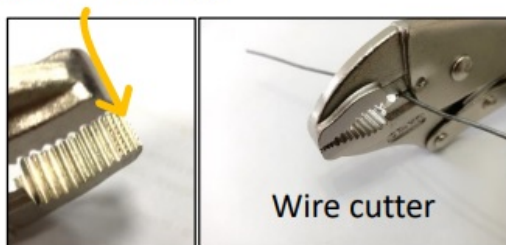
Release the pliers easily!!



High-frequency heat treatment on jaws for option



Non-slipping texture on teething



Features:

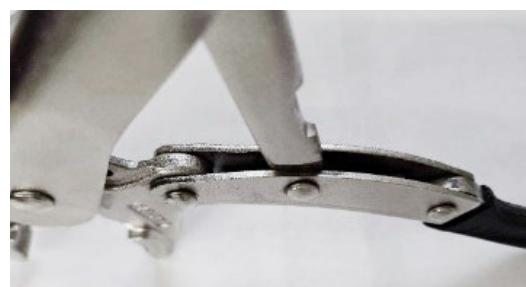
- Quicker and more convenient to release pliers.
- Comfort grip on release lever.
- Ideal for tightening, clamping, twisting and turning.
- Constructed of high-grade heat-treated alloy steel for maximum toughness and durability.

"Anti-Rust" Process

Drop Forged Alloy Steel Jaws
Sanding & Nickel-Plated Finish
Jaw : CR-MO ;

Body : CR-MO Fast release type

Release handle mechanism



KA-4590 Special Elastic Mallet

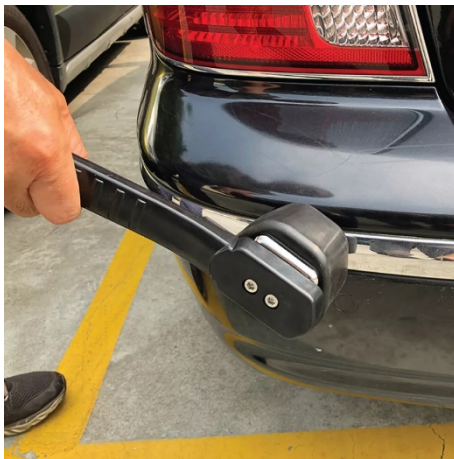
NO Scratch!

No Damage!



- Mallet with special rubber filler that is elastic in nature, but hard when in use
- For pushing in and fixing vehicle door weatherstrips, fender flares, and bumpers
- Avoid scratching and damaging bumpers, panels, and car body in general

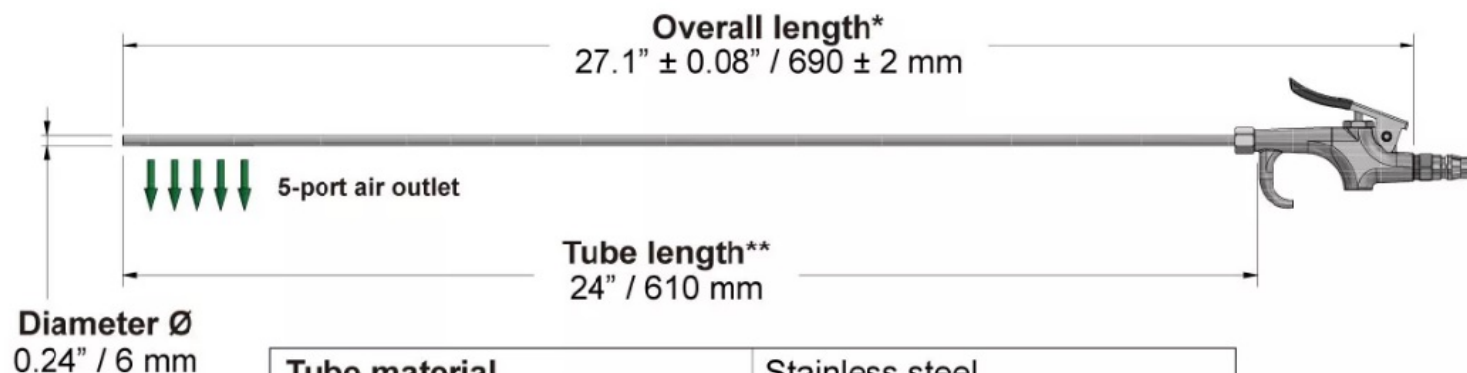
NO Scratch, No Damage to the bumper, panels and car body



Package	Sliding card + double blisters
Packing	5 sets/15 kgs/16 kgs/2.83'
	5 sets/ 33 lbs/ 35.2 lbs/ 0.08 CBM
Weight per set	750 g / 1.7 lbs

Item No.KA-4123-24UL

Air Powered Cleaner with Ultra Thin Tube (24"/610mm)



Tube material	Stainless steel
Working pressure	90 psi / 6.2 bar
Maximum pressure	170 psi / 11.7 bar
Average air consumption	5 CFM / 140 LPM
Inlet threads	1/4"



- Tube type cleaner with compressed air to clean hard-to-access areas, such as **filters** and **radiator**
- **90° angle** and **5-port air outlet** to increase accessibility and maximize air pressure and volume
- Super thin 6mm or 1/4" wide tube helps access to tiny spaces in the car
- Ergonomic handle design enables users to control the air direction easily and work with the tool comfortably
- Adequate length suitable for general cleaning in the engine compartment or chassis



Mini Type Air Duster

Adjustable Air Flow with Control Knob!

Compact Size!

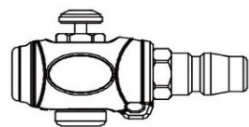
** Smaller than palm!*

- Mini size, Easy to use !
- Ergonomic grip, Lightweight, Easy to carry



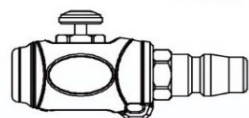
Item No.: PA-2185H

Length:
89.5mm



KA-2181
KA-2185A

Flow Adjusting
Knob



KA-2183
KA-2185
KA-2185H

Item No.: PA-2185A

Length:
82mm



Knob

Item No.: PA-2181



Knob

Item No.: PA-2185

Length:
87mm

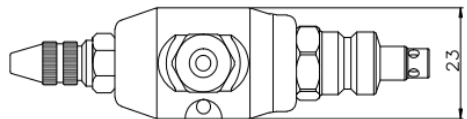
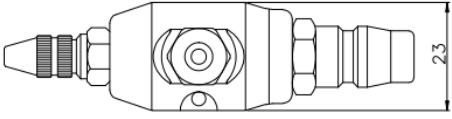
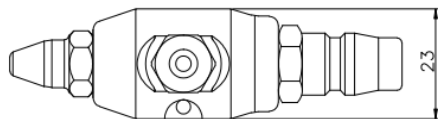
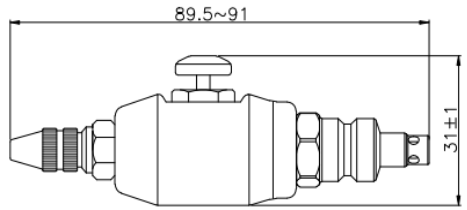
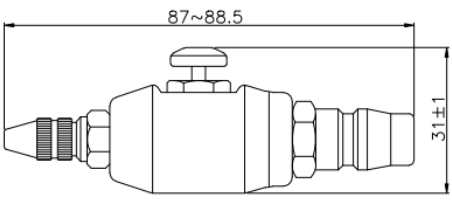
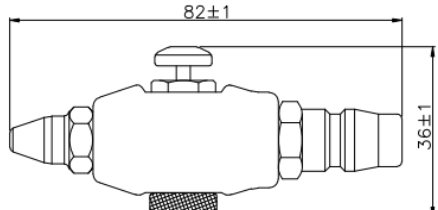


Item No.: PA-2183





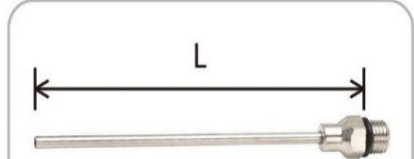










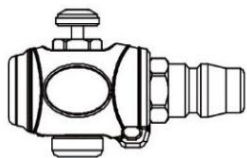
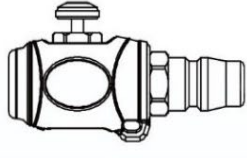
Item No.	Feature & Nozzle	Coupler	Specification	Material	Suitable Market
PA-2185H	Push Button + Air Flow Adjustable Nozzle	High Pressure Air Inlet Coupler	38.23 CFM 1082.6 L/Min 92.6 dB	Aluminum	Japan
PA-2185	Push Button + Air Flow Adjustable Nozzle	Regular Coupler (Nitto, Milton, Aro, Orion)	18.275 CFM 517.4 L/Min 127 dB	Aluminum	
PA-2185A	Push Button + Air Flow Adjust Knob + Non-Adjustable Nozzle	Regular Coupler (Nitto, Milton, Aro, Orion)	16.33 CFM 462.4 L/Min 93.5 dB	Aluminum	
PA-2183	Push Button + Air Flow Adjustable Nozzle	Regular Coupler (Nitto, Milton, Aro, Orion)	18.275 CFM 517.4 L/Min 94.9 dB	PA + GF	
PA-2181	Push Button + Air Flow Adjust Knob + Non-Adjustable Nozzle	Regular Coupler (Nitto, Milton, Aro, Orion)	17.15 CFM 485.6 L/Min 96.2 dB	PA + GF	

Dimension

PA-2185H	PA-2185	PA-2185A
89.5-91mm*23mm*31mm	87-88.5mm*23mm*31mm	82mm*23mm*36mm
		
		



(Continued) Optional Accessory of Mini Air Duster

	TSV 63mmL tilted soft nozzle (TPV)		3A-F Air spreader nozzle (PA)	 Tube:Stainless steel P1 0.6x1.0mmx33mm(L) P2 0.9x1.3mmx40mm(L) P3 1.4x1.8mmx54mm(L) P4 1.8x2.4mmx73mm(L) P5 2.8x3.4mmx80mm(L)
	SR 13mm rubber nozzle		3A-C Air concentration nozzle (PA)	
	MR 25mm rubber nozzle		3A-L High flow nozzle / Side nozzle (PA)	
	LR 35mm rubber nozzle		S6 Air shield nozzle	
	1L Mini mini type high flow nozzle (PA)		SA Safety nozzle	
	2L Mini mini type high flow nozzle (Aluminum)		IN Inflator 球針	 KA-2181 KA-2185A Flow controller  KA-2183 KA-2185 KA-2185H

Composite Air Blow Gun with Flexible Hose & Flexible Rubber Nozzle

Composite Housing

- Made of Robust Nylon
- Lightweight

Flexible Hose cleans the aperture (holes) and confined areas.

Integral Hanger Loop

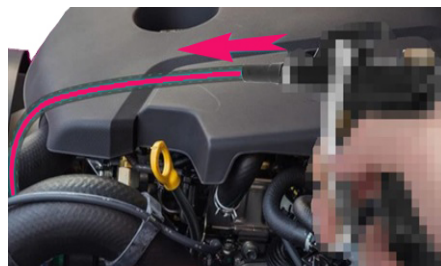
Integral Hanging Hook

Teasing Trigger:
Variable Air Flow Trigger

Flexible Rubber Nozzle

Aluminum Threaded Inlet

Aluminum Valve with Stainless Steel Spring to prevent moisture affect the valve mechanism



Composite Housing Flexible Air Blow Gun PA-1291

Air Blow Gun with 12" Hose

PA-1291A

Air Blow Gun with 8" Hose

PA-1291B

Air Blow Gun with 4" Hose



- Ideal for cleaning aperture(holes) & confined space
- Fully Flexible Rubber Nozzle
- Variable Air Flow Trigger
- Robust Nylon Handle with Integrated Hanger
- Aluminum threaded insert
- Aluminum Valve made of Stainless-Steel spring to prevent moisture affect the valve mechanism

Specification:

Working pressure:60-150PSI

Air consumption:9.5CFM

Air Inlet: 1/4"-NPT

Flexible hose Length:12"

Net weight:170g

Packing:80 PCS/NW13.2kgs/GW13.6kgs /2.7Cu.ft

PA-1290G Composite Tornado Air Flow Gun

Integral Hanger Loop

Composite Housing

- Made of Robust Nylon
- Comfortable, lightweight



Integral Hanging Hook

Teasing Trigger: Variable Air Flow Trigger



Tornado:
Swirl Nozzle Generates
Strong Air Pulse

Application

Clean the cars, carpets, Engines



PA-1290G Composite Tornado Air Blow Gun

- Cleaning soiled surfaces such as upholstery, dirt from wheel housings, floor mats from animal hair as well as for vehicle preparation, rim and parts cleaning with compressed air and as preparatory cleaning work for the installation / removal of parts.
- Swirl nozzle generates strong air pulse.
- Variable flow trigger controls air flow to tip.
- Built-in hanger loop for convenient storage.
- Comfortable, lightweight design.

Specification:

Working pressure: 60-110PSI

Free speed: 6000R.P.M.

Air consumption: 12SCFM(1.7CFM)

Hose Size: 3/8"

Air Inlet: 1/4"

Length: 263x140x42mm

Net weight: 160g

PA-1290 Tornado Air Blow Gun - Aluminum Housing

Trigger: Ø20mm push button for easier operation.



Metal Housing
Durable, reliable for industrial demands and extremely intensive services.



Tornado : Swirl nozzle generates strong air

Options: Air plug type - Nitto / Milton / Europe.

- Use with compressed Air to clean the soiled surfaces of upholstery, dirt from wheel housings, floor mats.
- Swirl nozzle generates strong air pulse.
- Very practical design.

Working pressure: 60-110PSI

Free speed: 6000R.P.M.

Air consumption: 80L/min(2.8CFM)

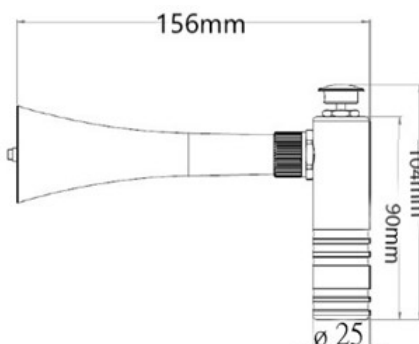
Hose Size: 3/8"

Air Inlet: 1/4"

Overall size: 156*104mm

Net weight: 171g

Packing: 50pcs/12.5kgs/13.5kgs/2.5



KA-1428 Turbo Soda Blaster Gun



- Using powdery crystal and combine
- high-pressure air to bring out attached object, and create neutralizing stain-removing and rust-removing effects.
- Does not damage glass, rubber, or plastic
- Protect exposed metal from immediate rust
- Eco-friendly

APPLICATIONS :

- Environment cleaning: glass, furniture and kitchenware
- Surface cleaning and treatment: removing blur, rust, scale, oil stains and paint coating
- Remove splattered paint on window without damage glass and rubber
- Remove surface paint of wooden product or furniture

Max working pressure	225 PSI (15Bar/1.5Mpa)
Material	POM
Port size	1/4" (PT, NPT, G)
Air consumption	IN8KG≥110L/M
Ambient temp.	-5~+60°C (Non frozen)
Noise Value (dB)	90PSI: 95db
Weight	393g

PA-5585 1/4"PT MINI LUBRICATOR



- Lightweight aluminum alloy body
- It can be connected with air tools directly.
- Easy installation.
- Allow pneumatic tools to be fully lubricated
- to achieve their desired Highest working
- condition, reducing wear and preventing rust, Extend its service life.

Application:

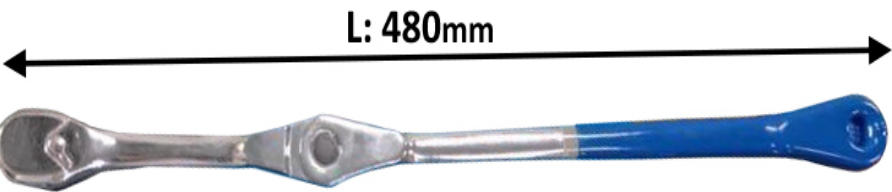
- Automatic oiling of pneumatic tools
- The lubricator is used to regularly inject lubricating oil into the air pipe, maintain the concentration of oil mist in the air, and lubricate the pneumatic motor part of the pneumatic tool, such as cylinders, rotors, blades and other parts.

Description	SIZE
MAX. Working Pressure : 150 PSI (10Bar/1MPa) Oil Capacity:5.5c.c.	1/4" PT/NPT/G

Why not have this Ratchet Wrench set sooner??

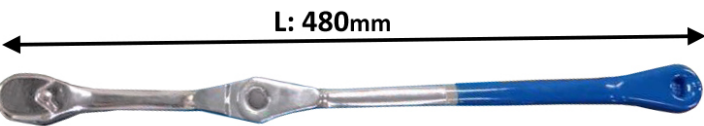
No. KT-2838 3/8" Adjustable Angle Ratchet Wrench

Adjustable Angle Ratchet Wrench



● **Adjustable. Extendable. Flexible**

Adjustable Angle Ratchet Wrench



Standard 3/8" Dr. Ratchet Handle



- Amazing Unique Design
- Extra Long
- Easy Access to hard-to-reach (deep) Area
- Extendable
- Adjustable
- Flexible

No. KT-2838K 36PCS 3/8" Dr. Socket Wrench Set



1 pc	3/8" Adjustable Angle Ratchet Handle Quick-Release Head
16 pcs	3/8" Dr. Socket: 6,7,8,9,10,11,12,13,14,15,16,17,18,19,21,22mm
1 pc	3/8" Extension Bar 125mm (6")
1 pc	3/8" Extension Bar 75mm (3")
1 pc	Universal Joint 3/8"
16 pcs	3/8" HBS T20,T25,T27,T30,T40,T45,T50,T55,H3,H4,H5,H6,H7,H8,H9,H10
1 pc	Blow Case

Comparison and features between Kingtool Adjustable Wrench & Regular Reversible Wrench



Kingtool Adjustable Wrench

Regular Reversible Wrench

Our Adjustable Extendable Wrench



Regular Socket Wrench



"Low Profile" Socket Ratchet Wrench Series

No. KT-2628FL-15

15PCS 3/8" Dr. Adjustable Angle Extra Long Low Profile Socket Wrench Set



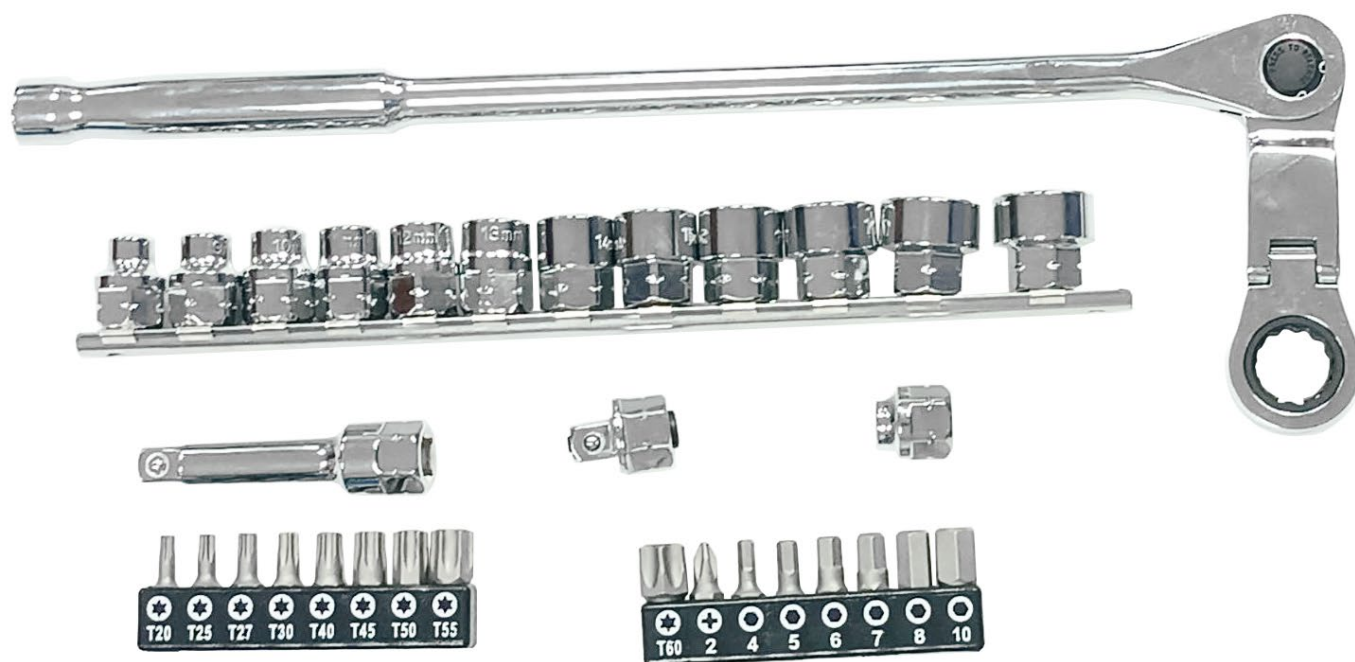
Use with Socket Adaptor



1 PC	3/8" Dr. Extra Long Low Profile Ratchet Wrench – 480mm
12 PCS	17MM Hex Dr. Low Profile Dual-Use Sockets: 8,9,10,11,12,13,14,15,16,17,18,19mm
1 PC	3/8" 17mm Socket Adaptor
1 PC	3/8" Dr. Extension Bar 75mm

No. KT-2628FL-32

32PCS 3/8" Dr. 17mm Adjustable Angle Extra Long Low Profile Socket Wrench Set



Use with Bit or Socket Adaptor

24mm



1 PC	3/8" Dr. Extra Long Low Profile Ratchet Wrench – 480mm
12 PCS	17MM Hex Dr. Low Profile Dual-Use Sockets: 8,9,10,11,12,13,14,15,16,17,18,19mm
16 PCS	16 PCS 5/16" Bit (S2) T20,T25,T27,T30,T40,T45,T50,T55,T60,PH2, H4, H5, H6, H7,H8, H10
1PC	3/8" 17mm Socket Adaptor
1 PC	3/8" Dr. Extension Bar 75mm
1 PC	5/16" Bit Adapter

No. KT-2629EL-15

15PCS 3/8" Dr. Extra Long Low Profile Wrench Set (Plastic Coating Handle)



1 PC	3/8" Dr. Extra Long Low Profile Ratchet Wrench 300mm
12 PCS	17MM Hex Dr. Low Profile Dual-Use Sockets: 8,9,10,11,12,13,14,15,16,17,18,19mm
1 PC	3/8" 17mm Socket Adaptor
1 PC	3/8" Dr. Extension Bar 75mm



24mm



1 PC	3/8" Dr. Extra Long Low Profile Ratchet Wrench with 300mm
12 PCS	17MM Hex Dr. Low Profile Dual-Use Sockets: 8,9,10,11,12,13,14,15,16,17,18,19mm
16 PCS	16 PCS 5/16" Bit (S2) T20,T25,T27,T30,T40,T45,T50,T55,T60,PH2, H4, H5, H6, H7,H8, H10
1 PC	3/8" 17mm Socket Adaptor
1 PC	3/8" Dr. Extension Bar 75mm
1 PC	5/16" Bit Adapter



24mm



1 PC	3/8" Dr. Extra Long Low Profile Ratchet Wrench with coated Handle—300mm
12 PCS	17MM Hex Dr. Low Profile Dual-Use Sockets: 8,9,10,11,12,13,14,15,16,17,18,19mm
1 PC	3/8" 17mm Socket Adaptor
1 PC	3/8" Dr. Extension Bar 75mm

No. KT-2629EL-32

32PCS 3/8" Dr. Extra Long Low Profile Wrench Set (Plastic Coating Handle)



1 PC	3/8" Dr. Extra Long Low Profile Ratchet Wrench with coated Handle-300mm
12 PCS	17MM Hex Dr. Low Profile Dual-Use Sockets: 8,9,10,11,12,13,14,15,16,17,18,19mm
16 PCS	16 PCS 5/16" Bit (S2) T20,T25,T27,T30,T40,T45,T50,T55,T60,PH2, H4, H5, H6, H7,H8, H10
1 PC	3/8" 17mm Socket Adaptor
1 PC	3/8" Dr. Extension Bar 75mm
1 PC	5/16" Bit Adapter

No. KT-2631EL-35

35pcs 3/8" Dr. Extra Long Low Profile Socket Ratchet Wrench Set


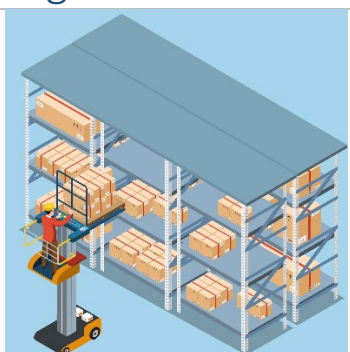


24mm



1 pc	3/8" Dr. Extra Long Low Profile Ratchet Wrench 300mm
15 pcs	17mm Hex Dr. Low Profile Dual-Function Socket: 8,9,10,11,12,13,14,15,16,17,18,19,21,22,24mm
16 pcs	5/16" Bits (S2): T20,T25,T27,T30,T40,T45,T50,T55,T60,PH2,H4,H5,H6,H7,H8, H10
1 PC	3/8" 17mm Socket Adaptor
1 PC	3/8" Dr. Extension Bar 75mm
1 PC	5/16" Bit Adapter

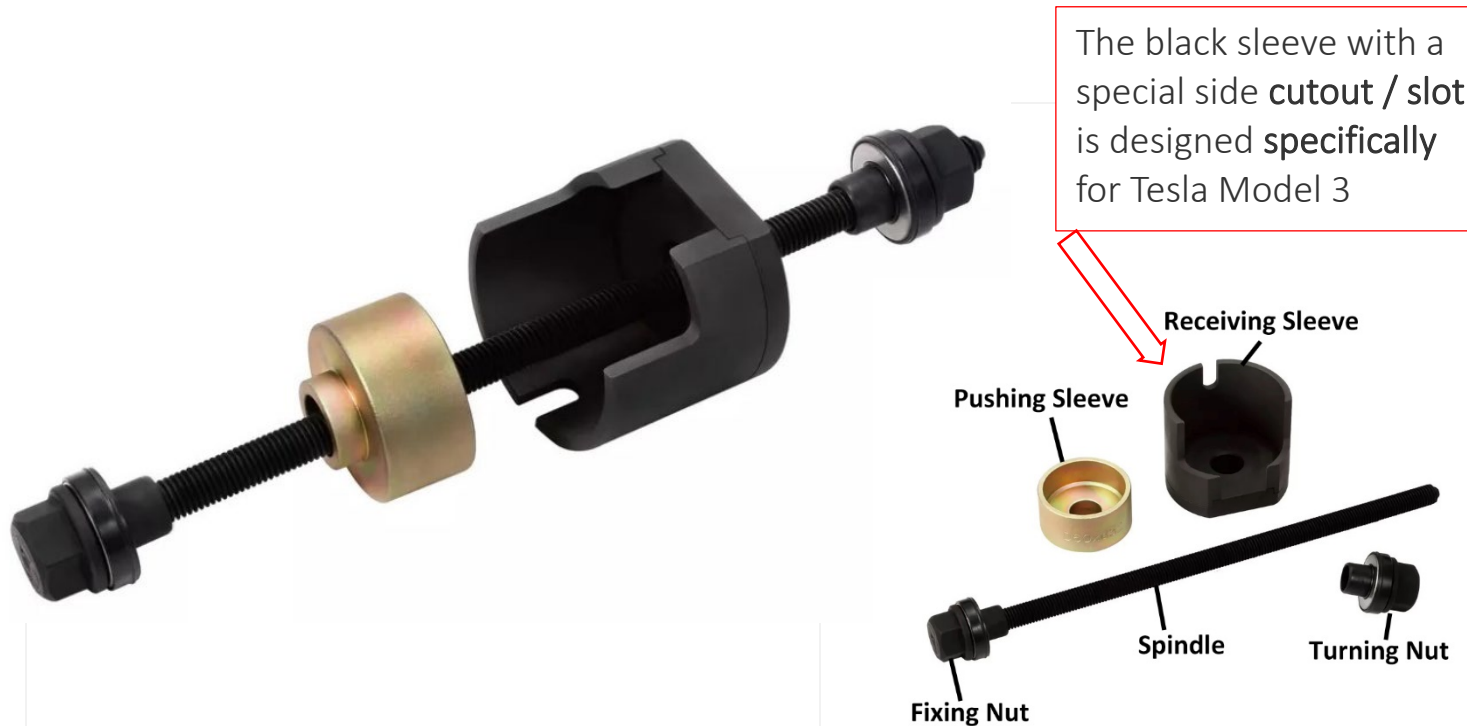
Application Examples: Great for High-Altitude (Height) Operations

<p>Engine Chamber</p> 	<p>Aircraft Repair</p> 	<p>Robot Manipulator</p> 
<p>Steel Work/Construction</p> 	<p>Mold Machinery</p> 	<p>Machinery</p> 
<p>High Stack</p> 	<p>Outdoor High Height Jobs</p> 	<p>Fire Engine Maintenance</p> 

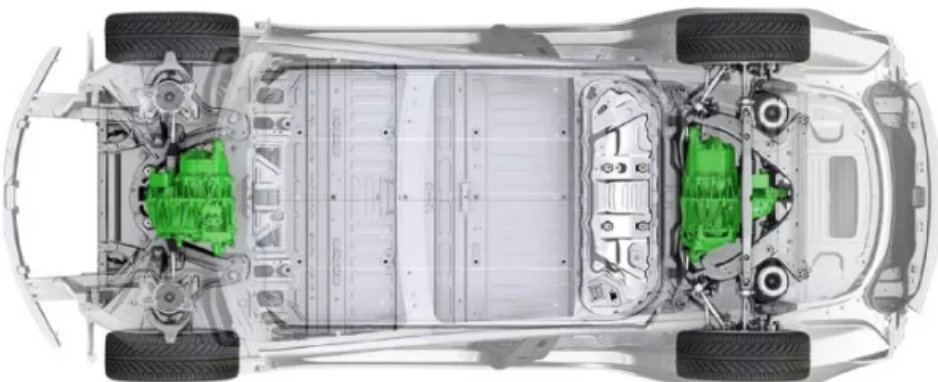
Why is this tool so Special??

Because-----

KA-2238 is **the one and only** tool that Removes an old bushing or Install a new bushing on Tesla Model 3 electric motor in minutes!



As you know, Tesla Model 3 has “Dual” Motor Design (as shown in green)



BUT

- When a Tesla Model 3 experiences a collision
- ➔ It would cause damage on the electric motor.
- ➔ Once the electric motor is damaged, then the bushing that helps hold the electric motor in place are very likely to be damaged consequently!
- ➔ Then the bushing is required to be replaced!

Explanation:

The Collision would cause damage on the electric motor.



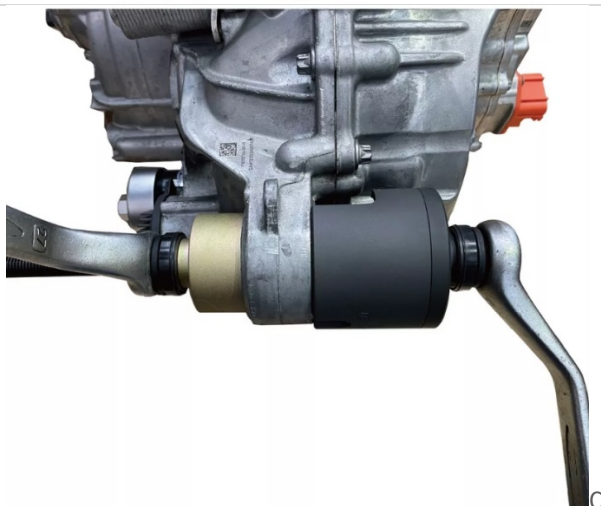
Once the electric motor is damaged, then the bushing that helps hold the electric motor in place are very likely to be damaged consequently!



Then the n the b is required to be replaced! ☹️



Bushing replacement can be done in minutes!! 😊



Bolt Extractor Set (5 PC)

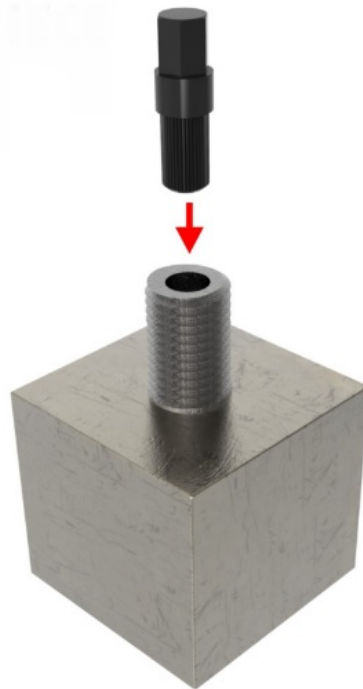
Item no. KA-5602K

Works on *Right* and *Left* threaded bolts..

Withdraws bolts *without* tying or wedging .

-Specification:

1/4 x 1/8 in, 5/16 x 11/64 in, 3/8 x 15/64 in,
7/16 x 9/32 in, 1/2 x 3/8 in Bolt Extractor.

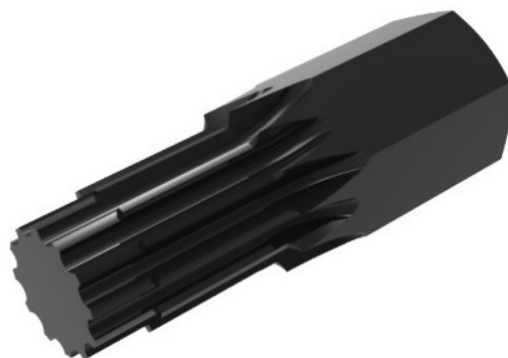
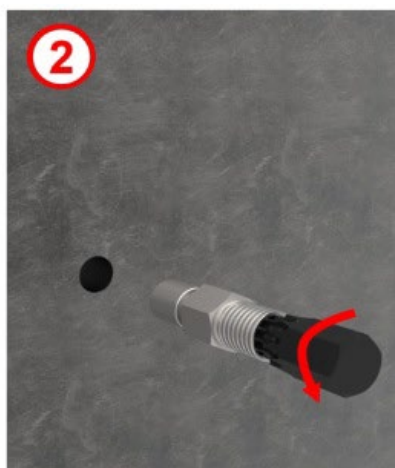
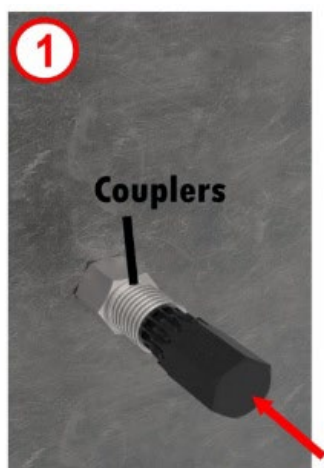


Heater Hose Coupler Remover

Item No. KA-5601

The splines *cut their way* into the couplers.

- Removes broken heater hose couplers on vehicles.
- Rotate it out with a 5/8" wrench or socket.

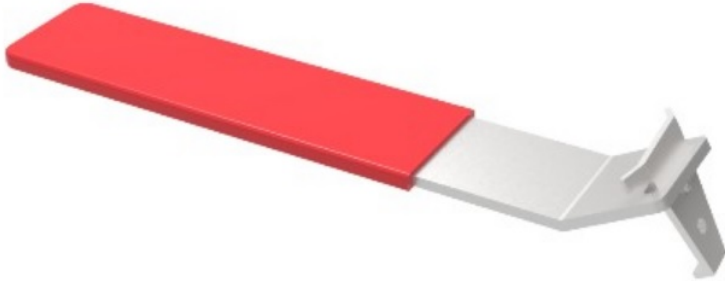


Windshield Tool

Item No. KA-2264

Easily Withdraws Wiper Arms **without Hurting** the Car Finish.

- Remove and Replace the Wiper Arm so Easily



Ball Joint Wrench Set for Benz

Item No. KA-5592

Loosen and Lock the Upper and Lower Ball Joint Nuts on Benz

- The Bi-Hex (12 PT) Crows Foot Ring let the ball joint pin kept in place
- Features: Bi-Hex (12pt). Upper nut: 32mm; Lower nut: 38mm.
- Low profile design, 1/2"D.
- *Application: Mercedes-Benz models with double wishbone suspension from 2015 including: E class (2015 to 2021), C class (2015 to 2021), AMG GT (2019 to 2021), GL (2016 to 2021).



A/C Disconnect Tool for Toyota

Item No. KA-5591

Loosen the Connector from either Edge.

- Excellent to work on **high and low-pressure** air conditioning lines on most 1998 and newer Toyota conveyances Land Cruiser, Solara, Avalon, Toyota Corolla, Camry, Sienna, Sequoia and Solara.
- Double Ended Disconnect Tool perfect for working on Plastic Speedy-Connect.



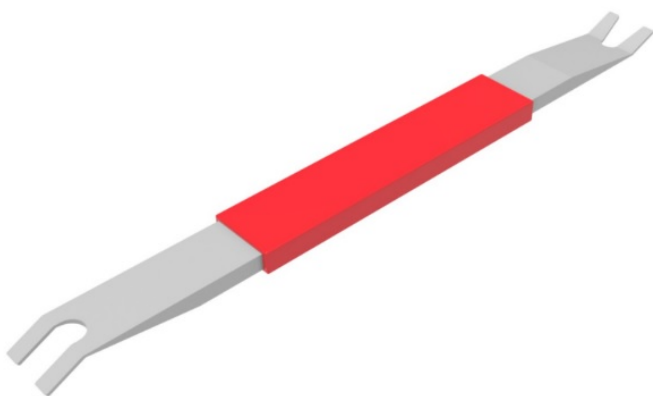
Double-Ended Clip Lifter (Narrow & Wide Opening)

Item No. KA-2265

Dual Ends : Narrow end for Boosing the Center Pin.

Wide end is for Lifting the fastener from the Panel.

- Application: plastic fasteners, plastic clips, upholstery or door panels.
- Overall Length is 200mm.

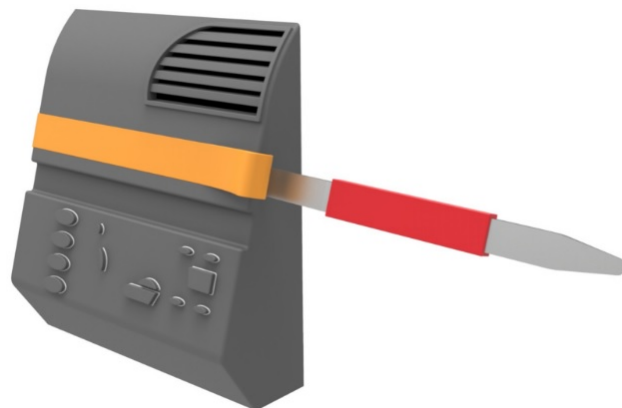
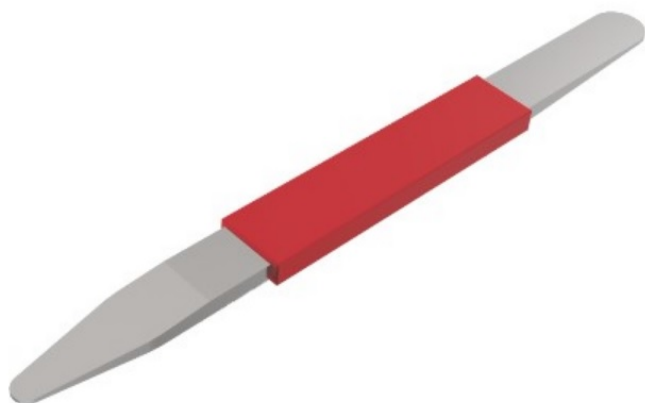


Double-Ended Trim Remover

Item No. KA-2266

Dual Ends : Narrow Arc & Wider Arc for Removing Panels with Ease.

- The flat tips supply strength and entries to panels in narrow areas.



Trim Wedge Metal Prybar Tool

Item No. KA-2267

Compact and Small and Great for use in Confined and Narrow Area.

- Remove Trim, Panel, Molding, Fasteners without Damaging the Surface.
- Application: Aviation, Automotive, Electronic, General Uses.
- Overall Length: 206mm.

