



KA-3008 Disc Brake Caliper Bolt Tools

These sockets are designed for easy removal of Ford and GM caliper TORX bolts. Features TORX bit set into bolt head recess to help maintain alignment. Reduce slippage and increase torque yield. Made of heat treated alloy steel.

KA-0801 Ford, T-40, 3/8" Dr

Fits Tempo, Taurus, Sable, late model T-BIRDS and Cougar.

KA-0802 Ford, T-45, 3/8" Dr

Fits T-bird, Cougar, LTD. Crown Victoria.

Mustang. Granada thru 1988.

KA-0803 Ford, T-50, 3/8" Dr

Fits T-bird. Cougar, LTD. Crown Victoria.

Mustang. Granada thru 1988.



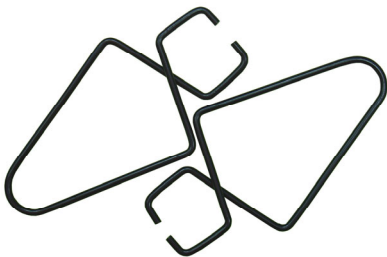
KA-2352 Clearance-Adjusting Tool

To easily move the clearance adjusting brake ratchet



KA-3011 Disc Brake Piston Tool

Designed to rotate the parking-brake-activated piston back into the caliper cylinder when replacing worn pads on vehicles equipped with 4-wheel disc brakes. Tool will function on most domestic and import vehicles.



KA-3042 Brake Piston Clamps

Use to prevent pistons popping out wheel cylinders while changing brake shoe. Suits most car and truck drum brakes. Self-adjusts to apply pressure and immobilize piston.

RANGE: 1-1/8" to 3-1/4" (29 to 83mm)

E.D. COATING

COLOR: BLACK



KA-3010 Brake cylinder Retainer Remover

For GM X and J body cars.

Expands and holds this special retainer so the brake cylinder may be removed. Insert the tool tips into the retainer ring and expand by turning the knob.



KA-5389T Truck Caliper Retain Tool for Ford

- Designed for removal of all Ford truck brake caliper retainers.
- Allows easy and fast way to compress and drive the retainer ring/clips out.

Application: F150 - F350, Ranger, Aerostar, All vans

How to use:

1. Place the large end of tool against retainer and tap.
2. Compress the retainer locks to initiate the removal.
3. Turn tool around and tap retainer through.

* Use the smaller end of the tool as a punch to drive the retainer completely out.



KA-3006 Brake Shoe Retaining Spring Tool

Brake Shoe Retaining Spring Compressors

Removes brake shoe retaining spring washers 5/8" to 11/16" (16-17mm) diameter. Use on late model compact cars and light trucks. Place tapered end over brake spring retaining washer. Push tool in and rotate 1/4" turn to release pressure and remove spring. Reverse to install.



KA-3006A Brake Spring Washer Tool

Remove and install brake spring washers 5/8" to 7/8" in diameter. Fits both large and small brake spring washers.



KA-3006B Brake Spring Tool

For a wide variety of drum brake springs. Wide window allows clear view of button.

- Bright plated metal
- Double end
- Fluted red handle



KA-3006C Brake Spring Tool

- Designed for import car brake return springs.
- Removes and installs import brakes that don't use an anchor pin.
- Engage brake spring in tool head, turn handle to lock on spring, and expand spring to install or remove.



KA-3006D Brake Retainer Spring Tools

Special head configuration easily engages and removes smaller diameter retaining spring found on the brake assemblies on newer, smaller vehicles.



KA-3006E Bendix Brake Spring Remover/Installer

Special head configuration easily removes brake retaining springs on drum brake assemblies found on many full-size cars and light trucks.



KA-3006F Brake Spring Installer Tools

The angled shank and special notch in the tool's tip simplifies the task of installing brake springs on 1979 to current GM vehicles.



KA-3007 Brake Spring Washer Tool

Fits both large and small washers. Troublesome brake shoe retaining spring washers can now be easily removed and then reinstalled. Wide "window" allows better visibility to align the nail and washer slot.



KA-3037 Brake Spring Compressor

Zinc plated to resist corrosion. Tough, easy grip with aluminum handle. Removes & installs backing plate spring, cups & pins.



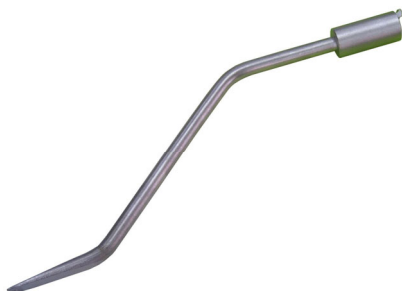
KA-5001-1 Drum Brake Spring Tool

Tool removes and installs return spring on Bendix drum brakes. To use, place wide end over spring anchor and twist to remove. Hook narrow end through spring and over the post, then lift to install.



KA-3025 Drum Brake Spring Tool

Tool removes and installs return spring on Bendix drum brakes. To use, place wide end over spring anchor and twist to remove. Hook narrow end through spring and over the post, then lift to install.



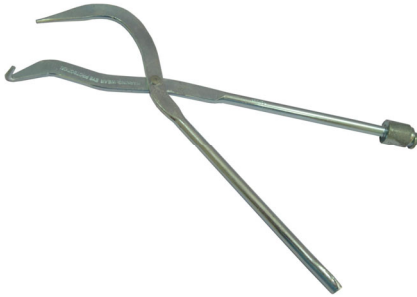
KA-3875 15" Professional Brake Spring Tool

- Design to removing & setting brake spring (380mm)



KA-3023 12" Brake Spring Pliers

Removes and installs brake springs on majority of cars and trucks. Forged from alloy steel and heat-treated for long wear. Designed with narrow points for inline pull on the springs. Bright lustre plated for rust protection. Equipped with special bendix socket on one end.



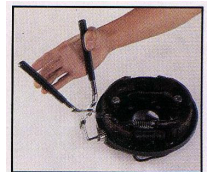
KA-3024 13" Brake Spring Pliers

Tool easily removes and installs shoe return springs on most drum brakes. Socket end removes spring from anchor stud and notched end installs spring on anchor. Tool is chrome plated to resist rust and provides easy cleanup.



KA-7026 Drum Brake Spring Plier

- One end hooks on the spring, the floating cap with hooks grips
- On the lining fastened to the brake shoe.
- Use for two brake return spring system
- Can use for most of the commercial and industrial vehicles.



KA-6704 Drum Brake Spring Pliers

- Designed to remove the brake return spring.
- One end grips on the brake pinning, the other hooks on the spring.



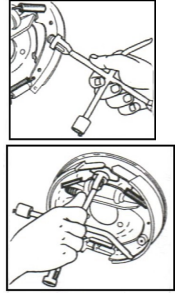
KA-6727 Brake Spring Plier & Claw

Design for removing & replacing brake spring of drum type brake.



KA-2121 Cross Type Brake Tool W/Magnetic

- Remove & installs return spring on bendix drum brake.
- Double-ended tool removes and install small and large car drum brake spring tool fit size 5/8" to 11/16" & 11/16" to 7/8" diameter.



KA-3028 Brake Adjustment Tool

Speeds starwheel adjusting. Insert tool through slot in backing plate. Different angle at each end adapts makes and models.



KA-3028A Drum Brake Adjusting Tool

- Blade width 17/32" x 3/8"
- 7" (177.8mm) long



KA-3028B Brake Adjusting Tool

Star-nut turning tool for Chevrolet trucks with overload springs. Different angles at each end of tool clearance. Blades are 17/32" wide. Tool is 5-1/4" long.



KA-3028C Brake Adjusting Tool

One end has a wind tang set at a 29° angle for rear brakes; the other end is set at a 45° angle for front brakes. 8-1/4" long



KA-3028D Brake Adjusting Tool

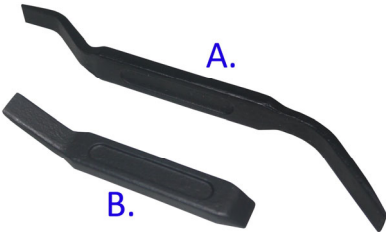
Fix Bendix brakes with star adjusting nut and other self-adjusting brakes (except Chevy). 7/32" wide blade, 1/32" tip thickness. 8-3/16" long.



KA-2412 Brake Adjustment Tool Set

1. Brake adjustment tool 8-1/4" long, blade width 5/8" x 11/16"
2. Brake adjustment tool 8-3/16" long, blade width 1/2"
3. Clearance-adjusting tool

To easily move the clearance-adjusting brake ratchet. First, take off a dust-proof cover of the clearance-adjusting hole disposed in the back of the drum brake system secondly, insert the clearance-adjusting tool into the clearance-adjusting hole and move the clearance-adjusting brake ratchet until a proper brake clearance is achieved.



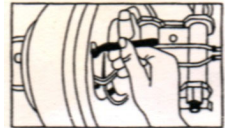
KA-4463 Brake Adjustment Tool

- Deal for adjust brakes on most car and light truck.
- Universal angle design for most car.
- Length: A. 155mm, B: 85mm



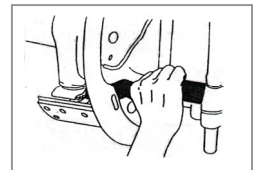
KA-4444 Brake Shoe Adjust Tool

- Can use for most of the car
- Easy working to adjustment even strong spring



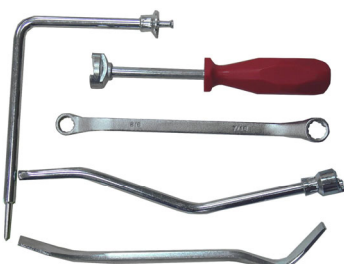
KA-7526 Lucas Rear Brake Adjusting Tool

- Easily adjust the brakes on vehicles having the Lucas hydraulic brake system.
- Tool's offset design and extra handle length make the job much less time consuming than with conventional tools.
- Works on buses and mid-range trucks including FORD F700, F800 and F900 series.



KA-5070 8pc Brake Tool Set

- Contains the most popular brake tools used for servicing drum brakes on many import and domestic vehicles.
- Includes three different style brake spoons for adjusting drum brakes, five different brake spring tools for servicing drum brake shoes.
- Contains:
 - KA-5070-1 BRAKE SPRING PLIERS
 - KA-5070-2 BRAKE SPRING REMOVAL TOOL (FITS 5/8" DIA. SPRING)
 - KA-5070-3 BRAKE SPRING REMOVAL TOOL (FITS MANY IMPORT VEHICLES)
 - KA-5070-4 BRAKE RETURN SPRING REMOVAL TOOL
 - KA-5070-5 BRAKE SPRING REMOVAL TOOL (FITS 3/4" AND 13/16" DIA. SPRINGS)
 - KA-2352 MINI BRAKE ADJUSTING SPOON
 - KA-2412-1 BRAKE ADJUSTING SPOON.
 - KA-2412-2 BRAKE ADJUSTING SPOON



KA-6322 Brake Tool Kit

- Brake shoe spring tool for Lockheed and total contact brakes
- Bendix brake shoe spring tool
- Shoe retaining spring tool for bendix brakes
- High offset brake wrench 3/8" and 7/16"
- Brake adjusting tool



KA-4446K 10pc Professional Brake Tool Set

- Contains the most popular brake tools used for servicing drum brakes on many import and domestic vehicles.
- Includes three different style brake spoons for adjusting drum brakes, five different brake spring tools for servicing drum brake shoes.
- The brake shoe spreader pliers allows user to replace the brake wheel cylinder easily without removing return spring, brake shoe and other parts without damaging the brake disc or brake shoe..
- Contains:
 - A. Brake shoe spreader pliers
 - B. Brake spring pliers
 - C. Brake spring removal tool (fits 5/8" dia. Spring)
 - D. Brake return spring removal tool
 - E. Brake spring removal tool (fits many import vehicles)
 - F. Brake spring removal tool (fits 3/4" and 13/16" dia. Springs)
 - G. Mini brake adjusting spoon
 - H. Brake adjusting spoon
 - I. Brake adjusting spoon
 - J. Brake piston clamps



KA-4312K 9pcs Disc Brake Service Tool Kit

General purpose brake service tool kit consists of the following brake service tools:

- Brake Spring Pliers
- Brake Shoe Retaining Spring Tool
- Drum Brake Adjusting Tool
- Disc Brake Piston Cube
- Disc Brake Pad Spreader
- Brake Cylinder Retainer Remover
- 3PC. Disc Caliper Bolt Socket Set



KA-4313K 9pcs Disc Brake Service Tool Kit

- Brake Spring Pliers
- Brake Shoe Retaining Spring Tool
- Universal Twin Disc Brake Pad Spreader
- Brake Adjustment Tool
- Brake Cylinder Retainer Remover
- Disc Brake Piston "Cube"
- 3PC. Disc Caliper Bolt Socket Set



KA-7597K 15pcs Disc Brake Service Tool Kit

- Brake Spring Pliers
- GM-Ford Disc Brake Piston Tool
- Heavy-Duty Brake Pad Separator
- Heavy-Duty Truck Brake Spring Tool
- Brake Spring Tool
- Disc Brake Piston Tool
- Brake Adjusting Tool
- Caliper Sockets:
 - Hex Socket: 1/4", 3/8", 7mm, 8mm, 10mm
 - Torx Socket: T40, T45, T50



KA-7559K-2 17PC Brake Service Tool Set

- Drum Brake adjusting tool
- Brake spring pliers
- Universal brake piston tool
- GM-Ford disc brake piston tool
- Disc brake spreader
- Heavy-duty truck brake spring tool
- Clearance-Adjusting tool
- Bit Socket:
 - Hex socket: 7mm, 8mm, 10mm, 1/4", 3/8"
 - Torx socket: T40, T45, T50, T60



KA-1324K 10pcs Brake Tool Set

- Drum Brake Adjusting Tool
- Brake Spring Pliers
- Universal Brake Spring Tool
- Disk Brake Pad Spreader
- Lock Ring Pliers
- Brake Spring Pliers
- Brake Socket Set



KA-7592 Disc Brake Pad Spreader

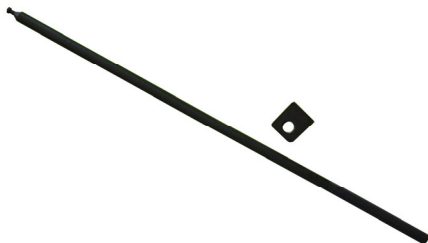
Spreader fits between two new pads being install-led, then expands to retract the piston. Leaves hands free to start caliper over rotor. Slides off easily. Ford all standard and four-piston caliper disc brakes.



KA-7513 Brake Pad Key

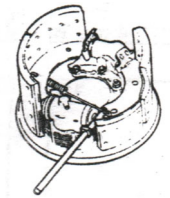
8mm hexagon wrench with handle. Works on front disc brakes, fitted to the following vehicles:

- All BMW models (except 5 series).
- GM Vauxhall Opel.
- Ford transverse engines CVH (gearbox) on: Escort, Fiesta, Orion.
- VW brake seat fixing on: most models from 1980 on.



KA-7527 Lucas Girling Brake Spring Tool

- For 1984 thru current Ford 600, 700 and 800 series trucks with Lucas girling hydraulic brake systems.
- Knurled handle for better grip.
- Tool design allows adequate leverage for safe and easy removal or installation of brake shoe return springs.



KA-7595 Universal Emergency Brake Tool

Compresses spring on emergency brake cable to replace brake shoe arm.

- Fit vehicles using cable/spring emergency brake assembly.
- Eliminates pinched fingers.
- Frees one hand for replacing brake shoe lever.



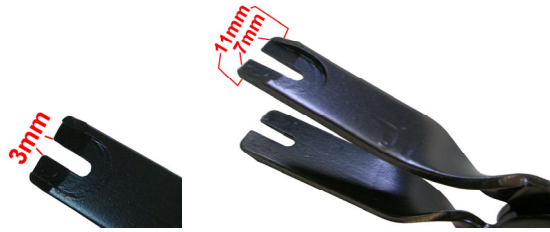
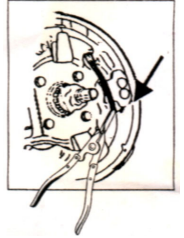
KA-6665 Emergency Brake Tool

Compresses spring for easy replacement of brake shoe arm to cable. Eliminates pinched fingers, frees one hand for replacing brake shoe lever the "squeeze-lock" action of the tool makes removal easy.



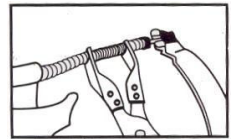
KA-4442 Handbrake Cable Spring Pliers

- For compression of the retaining spring on the handbrake cable.
- This tool allows quick and problem free removal and installation of the handbrake cable.
- Application: VW, AUDI, BMW, CITROEN, NISSAN, PEUGEOT, RENAULT, ROVER, SEAT. ETC.



KA-6705 Parking Brake Spring Compressor

- Designed to remove and install lever cable attached to brakeshoe on cars and trucks



KA-7187 Brake Spring Tool

- For the removal and replacement of the handbrake retaining spring on Mercedes-vehicles.
- Applicable for conical and cylindrical retaining springs.
- Length: 145mm



KA-7514K Universal Drum Brake Tool Kit

Contains 6 most popular tools:

A: **KA-6665 Assemble & Disassemble Pliers** Germany pat. No.: 201 15 064.6

B: **KA-7026 Brake Spring Pliers** Germany pat. No.: 201 16 251.2

C: **KA-7514 Clearance-Adjusting Tool** To easily move the clearance-adjusting brake ratchet.

D: **KA-3037 Brake Spring Compressor** To assemble and disassemble the retaining spring, spring retainer from a drum brake shoe.

E: **KA-3042 Brake Piston Clamps (2 pcs)** To prevent pistons popping out of wheel cylinders while changing drum brake shoe.

F: **KA-3035 Fluid Hose Clamp** To tightly clamp the brake oil hoses, gasoline hoses and vacuum hoses.



KA-5071 Car & Truck Brake Riveter

- Use in vice to rivet brake shoe linings on cars, trucks, tractors etc.
- Contains:
 - 2 x Roll punches 8mm & 11mm Dia
 - 1 x Star punch.
 - 2 x Interchangeable anvils with hex key.





8pc Manual Brake Gauge Set

- The brake gauge tool was designed to give customers an accurate measurement of how much brake lining is left without guess work.
- Most state agencies require that the customer be notified of how much brake lining is left in order to suggest that the lining should be replaced.
- The technician must reference to the OEM manufacturer specifications to determine if the lining is worn below minimum specifications.
- Size including:



RED:		YELLOW:		GREEN:	
2mm	0.0787"	4mm	0.1575"	8mm	0.3150"
3mm	0.1181"	5mm	0.1969"	10mm	0.3937"
		6mm	0.2362"	12mm	0.4724"

KA-5111A Material: Steel

KA-5111C Material: ABS

KA-5111C2

Brake Lining Thickness Gauge

- Color coded brake gauge identifies thickness.
- Levels for quick inspection of brake linings.
- Material: plastic



- Size including:

RED:		YELLOW:		GREEN:	
7mm	0.2756"	11mm	0.4331"	15mm	0.5906"
5mm	0.1969"	9mm	0.3543"	13mm	0.5118"



KA-5522 A.B.S. Brake Servicing Tool

- Specially designed for winding back the brake pistons used on A.B.S. braking systems.
- It is essential when replacing brake pads in A.B.S. brake systems.
- The drive head is marked at 90° intervals enabling the user to check the position of the piston without removing the tool, ensuring the accurate fitting of the pads.

Applications:

Ford Granada (all models-post 1985)

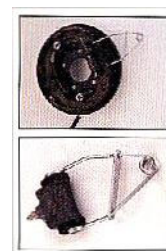
Ford Sierra (all models fitted with A.B.S. brakes)

Rover 800 series (all models)



KA-7184 4pc Locking Drum Brake Pistons

- Set of four pliers for locking drum brake pistons.
- Both ends hold pistons in cylinders, making it easier to replace jaws.
- When take off the drum brake can prevent the piston oil return to avoid the piston damage.



KA-4372 Miscellaneous

Brake and Accelerator Pedal Jack. Trigger-controlled unit slides handle to any position on 28-1/2" shaft. Thump lock releases pressure easily. Use as a pedal depressor.



KA-4382 Brake Clevis Pin Press

Servicing truck and trailer brake components that are rusted and corroded due to their exposure to the elements can be a challenge. Removing air brake push rod clevis pins is one of those jobs that can eat up time. The clevis pin C-frame press is the answer. This handy screw-operated tool makes short work of the task, applying the force just where it's needed. The pin is easily popped out of the most rusted push rod assemblies.

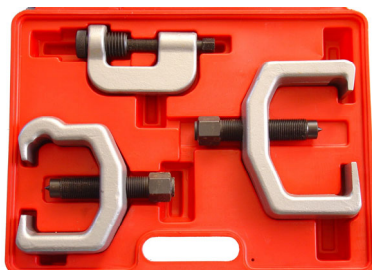


KA-3090A

KA-3090B

KA-3090A KA-3090B Manual & Automatic Slack Adjuster Puller

Designed to service all S-cam air brake slack adjusters on the market. Puller KA-3090A fit all manual types, and the KA-3090B works on Rock-well, Haldex, Gunite, and Bendix automatic adjusters. These tools eliminate costly S-cam damage caused by "heat and beat" method. Replacement is accomplished in a fraction of the usual time, these pullers have a rugged forcing screw and cast steel body.



KA-3090 Air Brake Service Kit

This kit includes the tools needed to remove the air brake push rod clevis pins, and both manual and automatic slack adjusters found on class 7 & 8 tractor and trailer brake systems.



KA-4437 A/R Brake Slack Adjuster

- Designed to make slack adjustment on air brakes used on Timken, Fruehauf, Kay-Burner and Trailermobile axles.
- The VIM slack adjusting tool permits rapid and easy checking of brake pot push rod movement. Adjustment of brakes can be made with this one tool by using proper socket attached to 3/8" sq. drive provide.



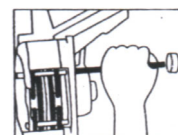
KA-4311 Brake Anchor pin and Bushing Service Set

This rugged forged "C" frame press easily removes the often rusted truck brake anchor pins and bushings. Mechanical screw power does the job quickly with little effort. With this press you can handle truck brake pins up to 1-1/4" (32mm) diameter.



KA-4289 Brake Caliper Pin Punch (GM Vauxhall/Opel)

- Designed to safely remove the brake pad retaining pins fitted in GM (Vauxhall/Opel) vehicles.
- The punch has a specially shaped end for positive location within the dowel type retaining pin.



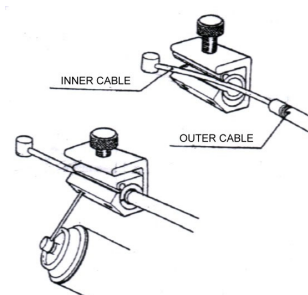
KA-3896

KA-3896A

KA-3869 KA-3896A Brake and Clutch Cable Injector

(for a motor vehicle)

This tool is purpose designed to fix the brake and clutch cable when injecting the lubrication oil.

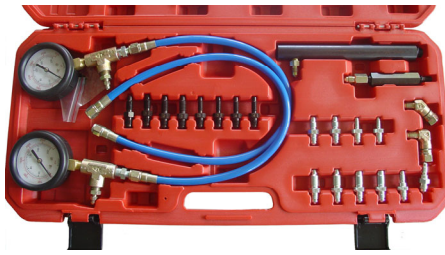


KA-7421A ABS Brake Pressure Tester Kit

- For ABS system (anti-lock brake system), Non-ABS systems

Contents:

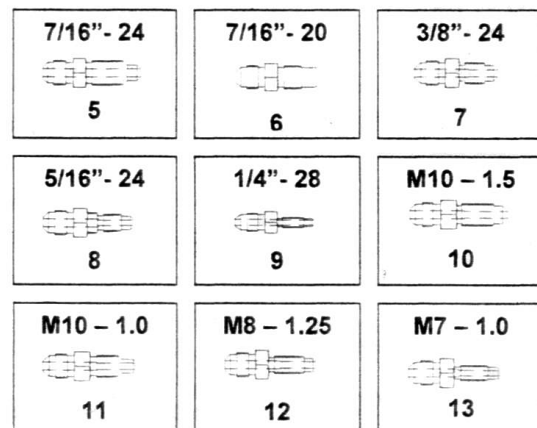
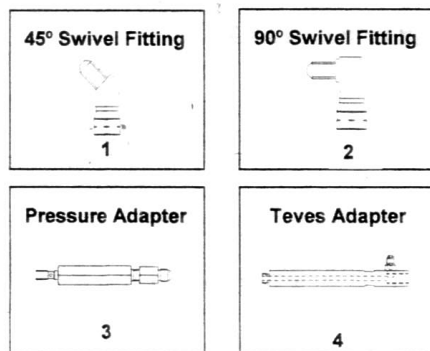
- | | |
|------------------------------|------------------------------|
| 2 – 3000 PSI Gauge Assembly | 2 – 3/8-24 Straight Fitting |
| 1 – Pressure Adapter | 2 – 5/16-24 Straight Fitting |
| 1 – Teves Adapter | 2 – M10-1.5 Straight Fitting |
| 1 – 45° Swivel Fitting | 2 – M8-1.25 Straight Fitting |
| 1 – 90° Swivel Fitting | 2 – M10-1.0 Bleeder Adapter |
| 2 – 7/16-24 Straight Fitting | 2 – 7/16-20 Straight Fitting |
| 2 – 1/4-28 Straight Fitting | 2 – M7-1.0 Straight Fitting |



- Caution: Wear approved safety glasses when using the Brake Pressure Test Kits. Do not discount hose under pressure. Pressurized fluid may cause injury.
- The brake pressure test kit tests abs or conventional brake systems for most makes and models.
- Always read instructions carefully prior to use.
- This kit comes complete with steel gauges, plastic lens; brass/steel fittings; high pressure hose.

BLEEDER SCREW REFERENCE CHART

ADAPTER CHART



KA-4292 Brake Shoe Spreader Pliers

- Times saving tool significantly reduces the time it takes to remove and install brake wheel cylinders and/or rubber boot
- Allows user to replace the brake wheel cylinder easily without removing return spring, brake shoe and other parts without damaging the brake disc or brake shoe
- Special design allows for removal of brake cylinder smoothly and quickly
- Easily spread and return the brake shoe and lining
- Pliers expanding range is from 60mm to 135mm
- Width of the pliers can be adjusted
- Precision clamp on end of flexible cable allows for extended reach
- Pliers can be locked, freeing up your hands and making your job easier and faster
- Rubber dipped handle for comfort
- Pliers designed for use with most passenger vehicles
- US PATENT #6,370,985 B1



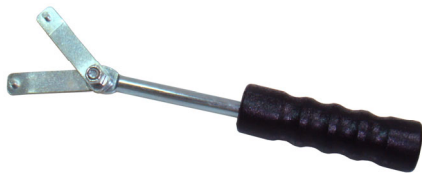
INSTRUCTIONS FOR USE

STEP1 : Remove tire to expose brake assembly.

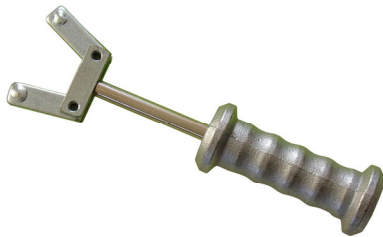
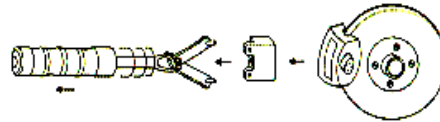
STEP2 : Insert clamp at the end of flexible wire of pliers onto the brake lining near area where brake lining holds brake cylinder.

STEP3 : Once pliers have been properly positioned onto brake lining squeeze handle to spread brake lining to allow access to the brake wheel cylinder. At this point boot and cylinder can be checked and/or repaired. Once repair is complete release tension on pliers slowly to return brake lining to it original position.

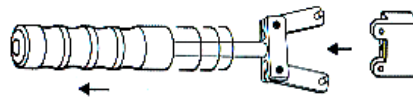




KA-3058 Disc Brake Pad Puller



KA-3059 Disc Brake Pad Puller

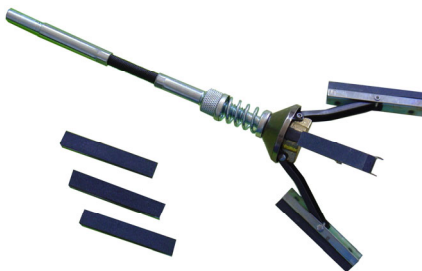


KA-4279 Brake Cylinder Hone

Flexible shaft with adjustable honeing tension
Capacity: 3/4" ~ 2-1/2" (19 ~ 63.5mm)

KA-4279-1 Replacement Hone Stone For KA-4279

3pcs/set 220grit



KA-4280 Brake Cylinder Hone

Flexible shaft with adjustable honeing tension
Capacity: 1-1/4" ~ 3-1/2" (31.75 ~ 88.9mm)

KA-4280-1 Replacement Hone Stone for KA-4280

3pcs/set 220grit



KA-4281 Brake Cylinder Hone

Flexible shaft with adjustable honeing tension
Capacity: 2" ~ 7" (50.8 ~ 177.8mm)

KA-4281-1 Replacement Hone Stone for KA-4281

3pcs/set 75x9x6mm 220grit



KA-3044 Brake and Accelerator Pedal Jack

Trigger-controlled unit slides handle to any position on 28-1/2" shaft. Thumb lock releases pressure easily. Use as pedal depressor.



KA-3032 Brake Shoe Adjustment Gauge

- Measures clearance between brake drums and shoes with diameters from 6-1/2" to 14-1/4" (165mm to 362mm).
- Works on most small cars with drum brakes prior to assembly.
- Inside calipers measure drum diameter.
- Outside calipers transfer measurement to brake shoes.
- Calibrated in inches and millimeters.

KA-3032A from 165mm to 400mm



KA-3033 Disc Brake Lining Wear Gauge

Measures brake lining remaining on pads in fraction 1/16" to 5/8".
Check without removing caliper.
Meets disk brake inspection requirements.



KA-4037 Air Release Valve For Brake Slave Cylinder

- Releases air bubbles inside slave cylinder after replacement to ensure safe, efficient braking.
- Enables one-man operation to minimize repair time labor.
- Applicable: the general sedans can use this product.



KA-2923 Brake Caliper Pressure Release Tool- Pneumatic



KA-2177 Brake Line Scraper (12pcs/set)

- To remove dirt or corrosion on the brake line surface.
- Three areas to perform job easily.
- Composite plastic design won't damage the tube.

Specification:

- Dimension: 160 x 14 x 6mm
- Weight: 100g



KA-3630K High-Quality Brake Tool Set

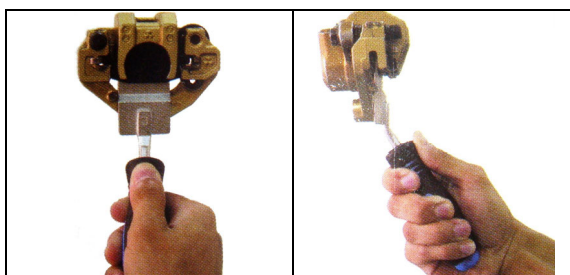
16 parts, in plastic case with soft foam insert. For brake maintenance / repair



Contents:

Brake Line Flare Nut Wrenches :	For screwed connections of brake lines at the front and rear axle.
Brake Spring Pliers :	For installing and removing the brake shoe recuperating spring on riveted brake linings.
Brake Spring Pliers :	For glued and riveted brake linings.
Screwdrivers with Impact :	For brake disc fixing screws.
Screwdriver Sockets :	for brake calliper screws
Screwdriver Sockets :	for brake calliper screws
Assembly tool :	For installing and removing fixing springs of the handle brake shoes on passenger cars with disc brakes.
Screwdriver Socket with Universal Joint:	For calliper screws.
Special Tool for Brakes:	For installing and removing spring plates and the holding device of brake linings on drum brakes.
Brake Calliper Brush :	For the removal of brake dust and dirt from the brake calliper.
Brass Brake Calliper Brush :	For cleaning aluminium brake callipers.
Assembly Tool:	For installing and removing the draw spring of hand brake shoes.
Brake Cable Spring Pliers:	For installing and removing hand brake cables of the drum brake.
Brake Calliper File:	For the removal of brake dust, rust and dirt from the brake calliper.
With integrated flat scraper for removing crude residues.	

KA-3661 Open Brake Disk Tool



Brake Fluid Tester

KA-1033 (Round Type)

KA-1033A (Flat Type)

*** For DOT 4 Brake Fluid.**

The tester can be used as a digital brake fluid tester suitable for determining brake fluid quality. Developed for professional use in automotive repair shops and in servicing. Quality it tested and indicated on five LEDs in terms of "per cent of water in the brake fluid".



KA-1033 (round type)

Ready for Brake Fluid Test

- Unscrew the brake fluid reservoir, and pull off the cap of the brake fluid tester.
- Dip the test probes into the brake fluid up to the plastic rim of the device.
- Battery(incl): one 1.5V, type AAA

To Check Fluid Quality

Press the button for power on, green LED will light up.

Insert the tester into reservoir for one second then the test result will be correctly indicated by LEDs.

The tester will automatically power off after 12 seconds of inactivity.

Product Labelling Indication

Green: Battery OK, i.e: no water contained in the brake fluid.

Yellow: Less than 1% of water content in brake fluid.

Yellow/Yellow: Approx 2% of water content in brake fluid.

Yellow/Yellow/Red: Approx 3% of water content in brake fluid. The brake fluid should be changed.

Yellow/Yellow/Red/Red: At least 4% of water content in brake fluid. The brake fluid must be changed urgently!



KA-1033A (flat type)



KA-3666 Brake Caliper Guidance Thread Repair Set – For VAG

- For repairing the guide pin threads in the wheel bearing housing.
- With disassembly of guide pins while changing the brake pads the internal threads are frequently destroyed.
- The defective threads are repaired professionally and quickly with a heavy duty rustproof high-grade steel threaded bush.
- Contents:
Replacement bushes with copper ring M9 x 1.25 (packing unit 10pcs) special core drill
Special tap M9 x 1.25
Hex key 7mm



KA-3666A Brake Caliper Guidance Thread Repair Set – For Ford, VAG, OPEL

- For repairing the guide pin threads in the wheel bearing housing.
- With disassembly of guide pins while changing the brake pads the internal threads are frequently destroyed.
- The defective threads are repaired professionally and quickly with a heavy duty rustproof high-grade steel threaded bush.
- Contents:
Replacement bushes with copper ring M9 x 1.25 (packing unit 10pcs) special core drill
Special tap M9 x 1.25
Hex key 7mm



KA-2093 Brake Piston Detaching Pliers (locking type)

- This tool is designed to detach a piston from the disk brake of bike.
- Locking construction designed is easily and powerful to hold & lock the piston stable.
- Suitable for piston inside diameter from 17mm to 50mm.



KA-3870 Piston Detaching Tool

- This tool is purpose designed to detach a piston from the disk brake base of a motor vehicle. The adjusting screw design, which is able to adjust the distance between two grasping portions and make the outer walls of the two holding blocks firmly press the inner wall of the piston allows the operator convenient to replace a piston or a washer with a new one.
- Capacity: 16.5 ~ 40mm



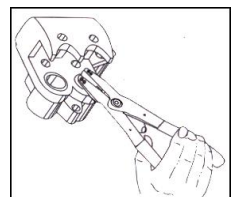
KA-3870A Piston Detaching Tool

- This tool is purpose designed to detach a piston from the disk brake base of a motor vehicle.
- Allows the operator convenient to replace a piston or a washer with a new one.
- Capacity: 16.5 ~ 40mm



KA-3870B Heavy Duty Piston Detaching Tool

- Useful to disjoin the small piston from the disk
- Capacity 16.5 ~ 40mm

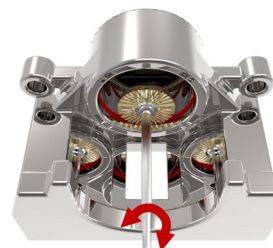
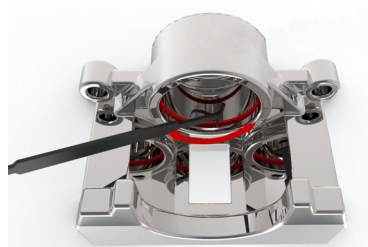




KA-5269 Brake Cylinder Groove Cleaner

T- shape dicephalous cutter head is applied for cleaning all kind sizes and angles of brake cylinder.

- The handle has 120L x 6mm and made from 2" wire wheel, to clear surface dirt.



KA-1033D Brake Fluid Tester

Suitable for DOT 3 & DOT 4 & DOT 5.1

The tester can be used as a digital brake fluid tester suitable for determining brake fluid quality. Developed for professional use in automotive repair shops and in servicing. Quality it tested and indicated on five LEDs in terms of "per cent of water in the brake fluid".

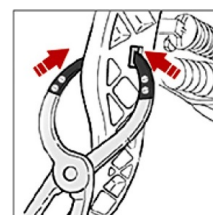
- Brake fluid brand

1. DOT 3	5. PENNZOIL DOT 3
2. DOT 4	6. Prestone DOT 3
3. DOT 5.1	7. Motorcraft DOT 3
4. AC Delco DOT 3	8. TOYOTA DOT 3



KA-6588 Clutch Master Cylinder Piston Rod Pliers

- Suitable for: Vauxhall / Opel: Astra-J, Signum, Vectra-C
Audi: A1(8X), A3(8P), A4(B7), A6(C6)
VW: Golf(1K1), Passat(3B6), Eos(1F) etc.
- The pliers are designed to release the clutch master cylinder piston rod from the clutch pedal quickly and easily.
- Very useful tool when removing a clutch master cylinder/pedal support bracket.

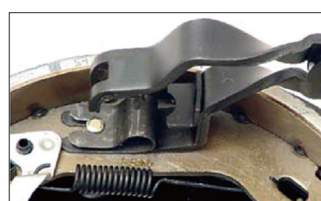


OEM Ref. T10005



KA-6589 Brake Spring Pliers

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



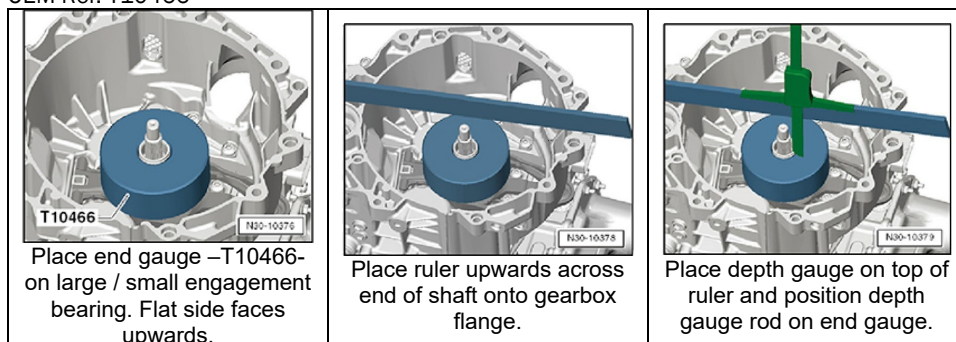


KA-6593 Clutch Bearing Gauge Block (VW/Audi)

Various Volkswagen and Audi models.

7-speed dual clutch gearbox OAM, gearboxes made from 06.2011.

OEM Ref. T10466



KA-7828 3pcs Hex Offset Brake Bleeder Wrench Set

Features:

- Set of fastening and loosening brake bleeder valves.
- Offset design enables working in confined areas.
- Extra thickness on wrench wall enhances coverage on bleeder valves, preventing unsafe slipping.
- Double ended with sizes in metrics and inches for most common vehicles on market.
- Material: CR-V (SAE 6140)
- Surface treatment: Nickel Plating
- Heat Treatment: HRC 42-45

Instructions:

- Remove dust protection cap from brake bleeder valve.
- Clean the bleeder valve if the ambient area is rusty or dirty.
- Choose a suitable sized wrench and connect to the bleeder valve.
- Connect a hose to the bleeder valve while leaving the wrench connected on the valve.
- Loosen the valve and bleed air from wheel cylinder.
- Fasten the valve after air is bled from wheel cylinder.



Applications:

8mm	Chevrolet, Ford, Fiat, Geo, Isuzu, Mazda, Mercedes, Porsche
9mm	BMW, Chrysler, Mercedes, Volkswagen, Volvo
3/8"	Chrysler, Chevrolet, Dodge, Ford, Jeep, Lincoln, Mazda
10mm	Acura, Audi, Buick, Cadillac, Chevrolet, Chrysler, Dodge, Eagle, Geo, GMC, Honda, Hyundai, Hummer, Infiniti, Isuzu, Jaguar, Land Rover, Lexus, Mazda, Mitsubishi, Nissan, Olds mobile, Plymouth, Pontiac, Porsche, Saab, Saturn, Subaru, Suzuki, Toyota, Volkswagen, Volvo
11mm	Audi, BMW, Mini, Porsche, Volkswagen
7/16"	Ford, Mazda, Mercury



KA-5352 Truck Valve Remover / Installer

- To remove and install the valve of truck.
- Japan truck repair tool.
- Special steel.
- Application range: FUSO 3.5 tons, FUSO over 15 tons, Hino 750, Isuzu 180, Isuzu 200
- Screw size: M16 x P2.0*M14 x p1.5*240mm(L)
M16 x P2.0*M12 x p1.75*240mm(L)
M16 x P2.0*M10 x p1.5*240mm(L)
M16 x P2.0*M10 x p1.25*240mm(L)
M16 x P2.0*M8 x p1.25*240mm(L)



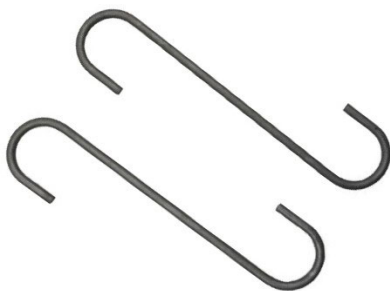
KA-5365 Brake Disc Measuring Tool Set

Gauge stand with 3-point connection for the assembly of the bumper. Ideal for identifying of vertical and lateral wobble on the brake disc. Transverse arm with joint and fine adjustment. Includes dial gauge and micrometre for identifying wear limit. Universal usage. Simple handling.



KA-7270N Gauge for Brake Disc & Tyre Depth

- Handy, easy to use.
- Special device to fix the value you obtain while you measuring the thickness of brake disc.
- Brake disc measure range: 0~60mm.
- Measure tyre depth.
- Aluminum made.



KA-7278 Caliper Hanger Set

These hangers are designed to hold brake calipers out of your way during brake, bearing, suspension, or axle work. In doing so, they make the jobs easier and faster, and reduce possible brake hose damage.



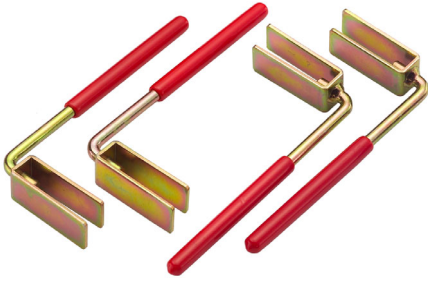
KA-5369 Clutch Cable Clamp

- When exchanging a clutch, the self-adjusting clutch cable has to be secured by means of the clamp. If this is omitted, the clutch cable has to be completely renewed.
- Suitable for VW Golf (II and III) etc.



KA-5367 Brake Pedal Locking Device

Ideally suited to setting the brake pedal in the desired position. For obstructing the seat or the steering wheel. Allows for a constant brake pressure over a long time thanks to internal springs. Ideally used when testing the tightness on hydraulic braking systems, testing and adjusting brake force regulators or brake force limiters.



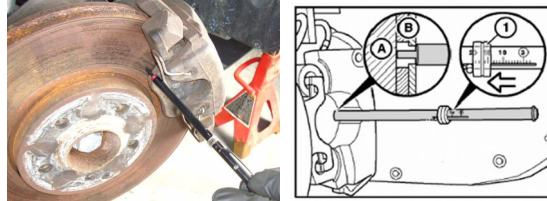
KA-5362 Removal Tool Set (4pcs)

- Required to remove the high-level brake-light from the tail-gat. All four retaining clips must be held open using the 4 piece removal tool set.
- Failure to use these tools will result in damage to the mounting bracket and the brake-light.
- Suitable for Mercedes E-Class (W210) Estate Car.

KA-5356

Brake Pad Thickness Adjust Ring Tool

The tool is kind of neat. You just push it into the hole on the caliper and read the wear.



KA-5356A

Tire Tread Depth & Brake Pad Thickness Gauge

- Used for measuring thickness of brake pad.
- Used for measuring depth of tire tread.
- OEM Ref: VW T40139A / BMW 341260 / Benz 211589062300

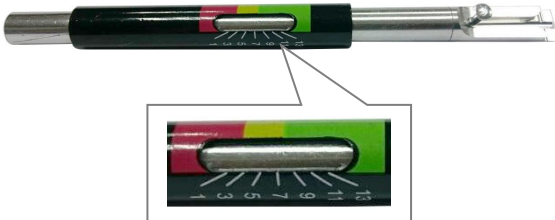


KA-5377 Brake Pad Gauge

- Special design allow for measurement on vehicle without the removal of any components in most case. (wheel assembly or brake caliper).
- The brake pad gauge for a definitive measurement of brake pads to determine remaining life.
- Material: aluminum alloy.

Test Indication:

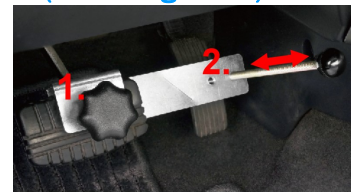
8mm-14mm = **Green**, no replacement necessary.
 3mm-8mm = **Yellow**, Suggest replacement.
 1mm-3mm = **Red**, Need to replacement immediacy.



KA-7285 Accelerator Pedal Depressor (RPM Regulator)

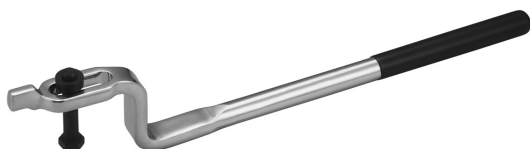
- For one man operation, allows engine speed to be set during automotive repair work.

1. Fix the tool on the brake pedal.
2. There are two adjustment holes, use the adjustment screw to fine-tune the RPM level.



KA-7294 Heavy Duty Clutch Adjusting Wrench

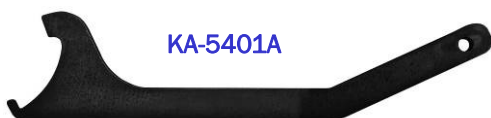
- For spacer-built heavy-duty clutches.
- Used for the internal adjustment of spicer angle-spring and multiple-lever clutches.





KA-5389 Truck Front / Rear Brake Shoe Lining Inside Caliper for Volvo

- For the restoration of the drum brake.
- For opening and fixing the brake shoes retaining spring.
- For the dismantling and assembly of the jaw pins.
- With drive spindle for continuous opening.
- Robust execution.
- Application range: Volvo drum brake with Z cam (e.g. N7-N10-N12-F7-F12-F16-FH12-FH16-FL10-ERF E series-EC series).



KA-5401A



KA-5401B

KA-5401A / KA-5401B Brake Adjustment Wrench for HINO #700

- TO adjust the brake of HINO #700 truck.
- * To be used with KA-5401A



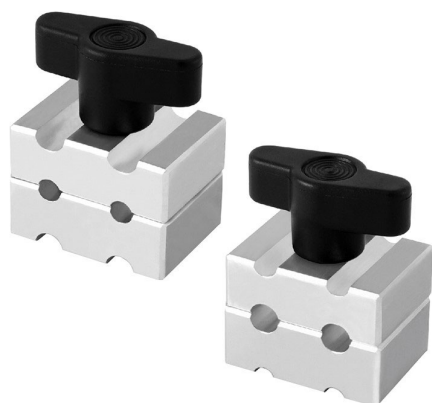
KA-5441 Slogging Wrench For Brake Caliper Screw

- This tool is designed to loosen/tighten the brake caliper screw connections on commerci vehicle (such as on front and trailer axle).
- It is very important to perform correct tightening of screws with torque wrench in accordance with the manufacturer's specifications.
- Wrench lasered torque conversion formula for calculating the correct effective length.
- Featuering 3/4" Dr. hole to be used with torque wrench.

Size	Application
E18 (Torx)	for MAN TGL / TGM
E20 (Torx)	For MAN TGL / TGM
E24 (Torx)	For MAN TGA / TGS / TGX
M24 (12-point)	For SAF
M26 (12-point)	For DAF XF / XF 95 / XF 105 / XF106

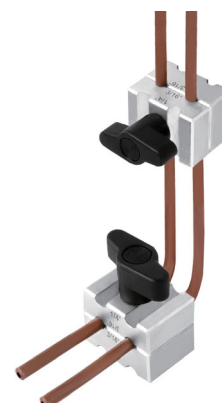


With this tool, you can loosen/tighten the brake caliper screw, **NO NEED** to disassembly the steering tie lever!!



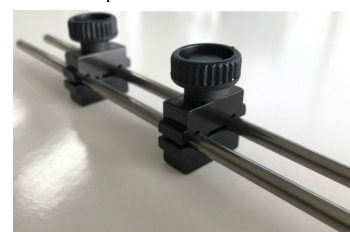
KA-5447 Brake Line Staple Tool Set

- A brake line can consist of many angles that should be correct for the new line to fit.
- Here you can easily clamp both the new and old lines so you can make an exact copy.
- For steel, cooper and plastic coated brake line with 3/16"(4.75mm) or 1/4"(6.3mm)
- Width: 15mm or 25mm



KA-6990 Brake Line Clamp Tool

- The brake line clamp tool allow you to bend the new tube compare with old tube!! Make sure the angle same with OEM.
- Do not need check every move in bending work.
- Save time and have the tube angle accuracy.
- Capacity: < 5mm





KA-4117 Disc Brake Pad Thickness Gauge

- Fast and efficient measure for brake disc thickness.
- Performing the measure without wheel removal.
- Patented Taiwan, European



KA-3829

Hand Brake Shoe Retaining Spring Tool

- Operating the retaining Springs of the hand brake shoes (rear disc brakes).
- KA-3829 makes it so easy to reach the retaining spring behind the wheel hub.
- Application: Suitable for Mercedes v-Class (Viano): Type 638 (1996-2003), Type 639 (2003-2014), Type 447 (2014~).

Operation on the wheel nut through the hole is not possible !!



Truck Brake Cage Bolt Socket

Quickly Unlocks Truck Air Brakes.

- Use in 1/2" DR. Can be used with impact wrenches.
- Extra deep 1-1/16" socket loosens the cage bolt to unlock air brakes on trucks.
- Can removes the air brake booster for replacement.

KA-4100-1116 1/2" Dr. x 1-1/16"

KA-4100-1516 1/2" Dr. x 15/16"

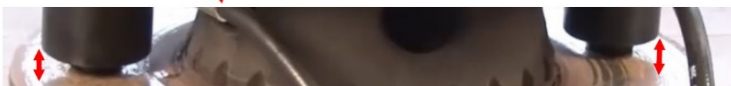
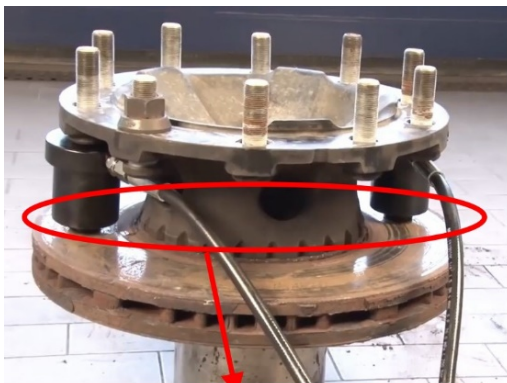
KA-4100-34 1/2" Dr. x 3/4"



KA-5479

Hydraulic Truck Floating Brake Disc Dismantling Set

- While changing truck floating brake disc (such as Volvo, DAF etc.), the brake discs always get stuck caused by rust or dust and hard to remove/dismantle.
- This set comes with two compact 14T hydraulic cylinders operated by a control block with individual on/off switch which allow the operators control one cylinder at a time to safely and effectively dismantle a stuck brake disc.
- Due to the compact size of the hydraulic cylinder, this set can be used not only on this purpose but also on those works which limited by space but need effectively expanding requirement.
- Applications include: The trucks equipped with floating brake discs such as Volvo, DAF, Renault, etc.



Brake Bleeder Wrench Set (First Generation)

- Ideal for bleeding system & hydraulic clutch system without removing the wheel.
- Built-in wrench & socket in one tool, makes loosening and tightening easy.
- Color-Coded Wrench for easy identification
- 1.2M silicon hose with **check valve** for safety operating.
- For universal bleeder nipples.
- Made with High quality internal seal last for a long time.
- Available in 6 Point Hex or 12 Point.

12 point 6 point Hex



Double Side Wrench:

Socket side connect to bolt to bleed the brake fluid.

Other side connect to silicon tube to brake fluid container/receiver.

* Silicon Hose with Brake Bleed Adaptor: 1.2M / 120cm

Package: Blow Case						
Item No.	KA-7000K-5AM	KA-7000K-5BM	KA-7000K-6AM	KA-7000K-6BM	KA-7000K-7AM	KA-7000K-7BM
Wrench Point	6 Hex	12	6 Hex	12	6 Hex	12
Wrench Size (mm)	7,8,9,10,11		7,8,9,10,11,12		3/8", 7,8,9,10,11,12	
Blow Case size	31x16x5.5cm		31x16x5.5cm		31x16x5.5cm	

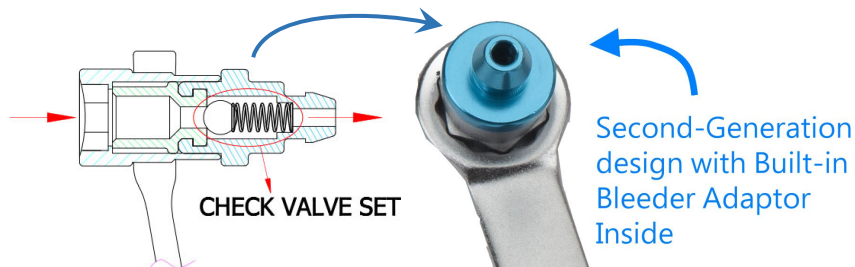
Package: Blow Case with EVA Tray						
Item No.	KA-7000K-5AT	KA-7000K-5BT	KA-7000K-6AT	KA-7000K-6BT	KA-7000K-7AT	KA-7000K-7BT
Wrench Point	6 Hex	12	6 Hex	12	6 Hex	12
Wrench Size (mm)	7,8,9,10,11		7,8,9,10,11,12		3/8", 7,8,9,10,11,12	
Blow Case size	31x16x5.5cm		31x16x5.5cm		31x16x5.5cm	

Package: Blow Case with EVA Tray				
Item No.	KA-7000K-3AT	KA-7000K-3BT	KA-7000KD-3AT	KA-7000KD-3BT
Wrench Point	6 Hex	12	6 Hex	12
Wrench Size (mm)	Choose 3 sizes from 7,8,9,10,11,12		7,8,9,10,11,12 (Double End)	
Blow Case size	31x16x5.5cm		31x16x5.5cm	

Brake Bleeder Wrench Set (Second Generation)

- Ideal for bleeding system & hydraulic clutch system without removing the wheel.
- Built-in wrench & socket in one tool, makes loosening and tightening easy.
- Color-Coded Wrench for easy identification
- 1M silicon hose. **Wrench with built-in Check valve.**
- For universal bleeder nipples.
- Made with High quality internal seal last for a long time.
- Available in 6 Point Hex or 12 Point.

12 point 6 point Hex



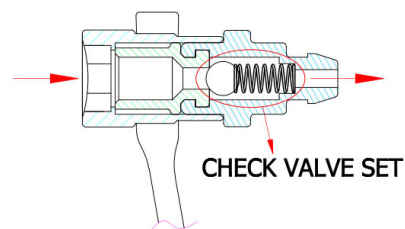
Color Coded for Size Identification

* Silicon Hose with Brake Bleed Adaptor: 1M / 100cm

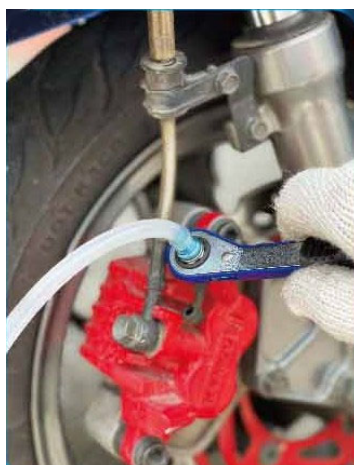
Package: Blow Case				
	Item No.	KA-8000K-5AM	KA-8000K-5BM	KA-8000K-6AM
Wrench Point	6 Hex	12	6 Hex	12
Wrench Size (mm)	7,8,9,10,11		7,8,9,10,11,12	
Blow Case size	31x16x5.5cm		31x16x5.5cm	

Package: Blow Case					
	Item No.	KA-8000K-7AM	KA-8000K-7BM	KA-8000KD-3AM	KA-8000KD-3BM
	Wrench Point	6 Hex	12	6 Hex	12
	Wrench Size (mm)	3/8",7,8,9,10,11,12		7x8, 9x10, 11x12 (Double End)	
	Blow Case size	31x16x5.5cm		31x16x5.5cm	

KA-8000K-5C Interchangeable Brake Bleeder Wrench With Check Valve Set



- Ideal for bleeding brake system and hydraulic clutch system without removing the wheels.
- Brake bleeder socket with check valve prevents air backflow into brake system.
- The ratchet wrench with multi-size socket to make loosening and tightening easily.
- Use on any vehicle, SUV, light truck and motorcycle brake caliper.
- Socket size: 7, 8, 9, 10, 11mm (optional size: 12mm and 3/8").
- Provide 1-meter silicone tube is easy to receive the discharged waste oil into the oil pot.
- Patented: USA, Germany, UK, Taiwan, Japan, China.



KA-1071

Boiling Point Brake Fluid Tester

KA-1071K

Boiling Point Brake fluid Meter with Printer (Bluetooth Compatible)



Features:

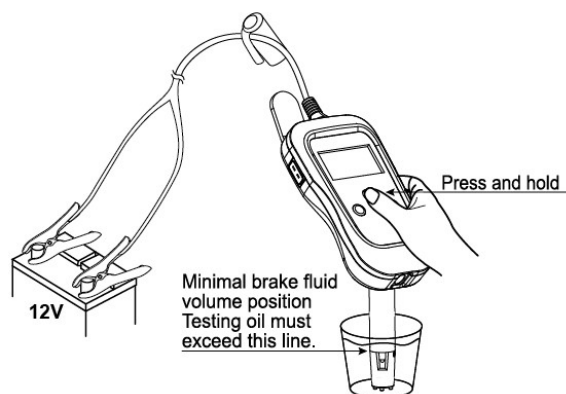
- ➔ Power: 12V automotive battery
- ➔ Working Environment: 0-50 °C
- ➔ Use on oil type of DOT3, DOT4, DOT5.1

- Measures The Boil Point Of The Brake Fluid.
- Obtain the Wet Boiling Temperature of the Brake Fluid for Technician Reference.
- Date Reference to determine if Brake Fluid Change is needed.
- Equipped with Bluetooth Capable Printer
- About Boiling Point

Boiling Point Type	DOT 3	DOT 4	DOT 5.1
Dry Boiling Point	≥ 205°C	≥ 230°C	≥ 260°C
Wet Boiling Point	140°C	155°C	180°C

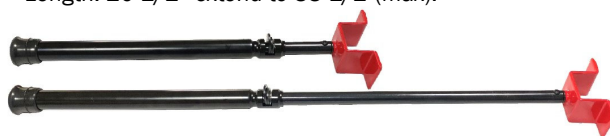
Instructions:

1. Suggest battery voltage between 12-13V.
2. Both "Brake fluid cycle paths" must be immersed into the brake fluid.
3. Please keep the Brake Fluid Testing Probe perpendicular with the brake fluid during the test.
4. If "Wait Cool" appears on the LCD, please wait for the heating wire to cool down before next test.
5. User can use the "Brake fluid sucker" to draw some brake fluid into the measuring cup for testing.
6. Make sure power clips are connected tightly with correct polarity before any measurement.
7. After the testing, please wait at least 3 seconds for heating wire to cool down before take testing probe out of the brake fluid.
8. Avoid the shaking and smashing of the testing probe, especially after the test.



KA-5367N Universal Pedal Depressor – Extendable

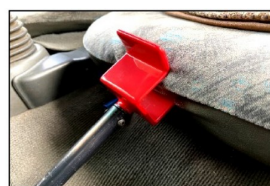
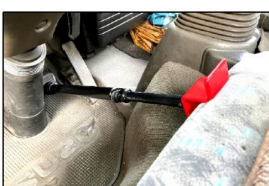
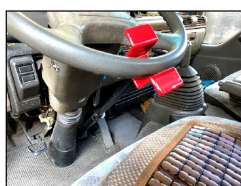
- Depresses and holds all kinds of car and truck's brake and clutch pedal.
- Extendable design adjusts the tool in any preferred position and length!
- Coated U-shaped steel plate clamp on the steering wheel or the seat firmly.
- Length: 20-1/2" extend to 33-1/2"(max).



* Use on Car *



* Use on Truck *





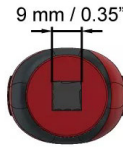
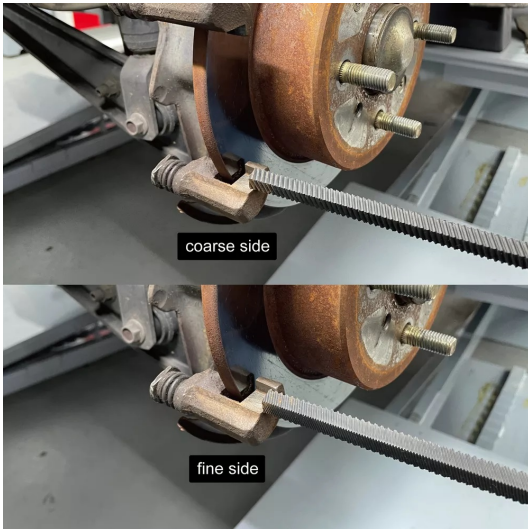
KA-3847 Four-Sided Teeth Brake Caliper File Tool

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

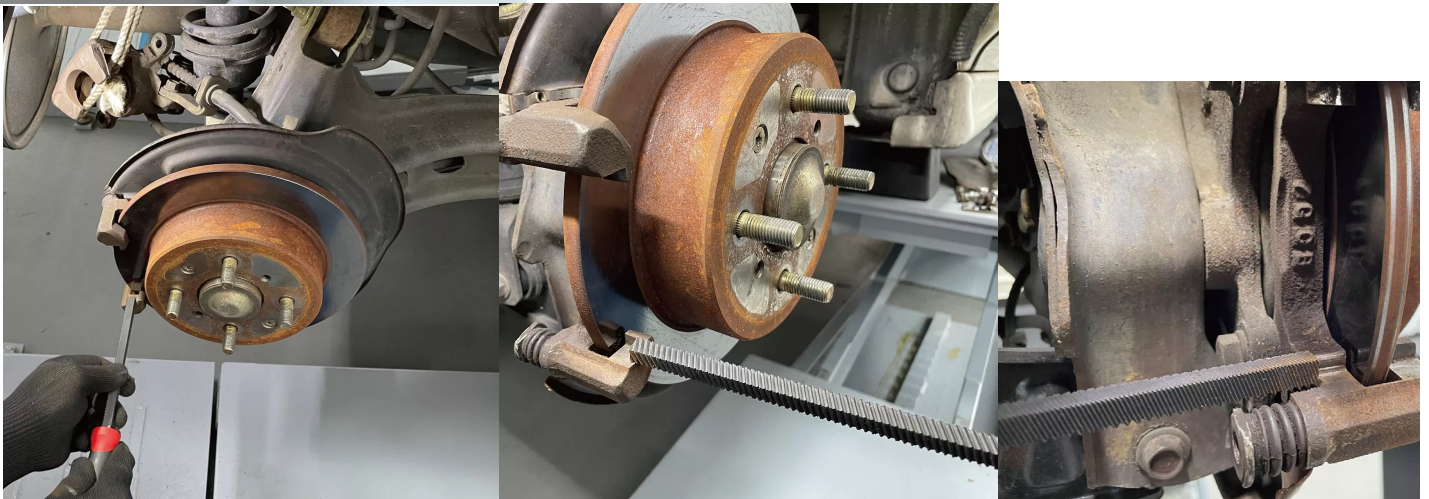
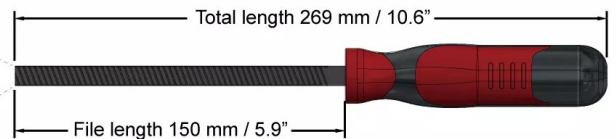
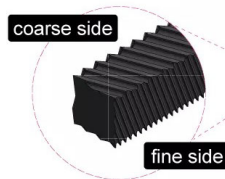
- 2-Sides "Coarse" Teeth + 2-Sides "Fine" Teeth adjacent to each other.
- Removes dust, corrosion, rust, and dirt from the brake caliper housing.
- Coarse side remove bigger chunky rust, fine side to detailed cleaning and polishing!

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

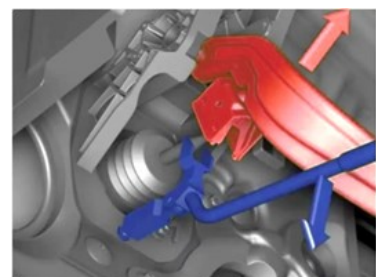
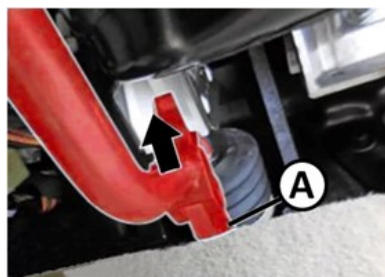


KA-5494 Brake Pedal Release Lever Tool

- 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.

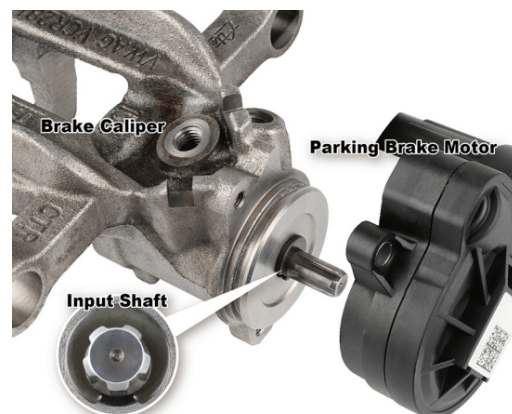




3/8"
DR.

KA-5487 Brake Caliper Socket For 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



KA-2273 Brake Bleeder Wrench Set

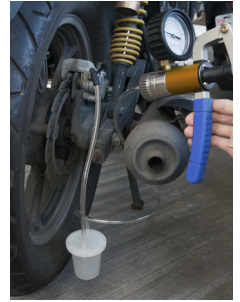
- Loosen the brake bleeder nipples
- Set consists 7,8,9,10,11,12mm for common application
- 12-point ring for tight accurate adjustment
- Light weight (240gm), Compact and Handy





KA-3001 "ONE-MAN" Brake Bleeder

- Simple to use, One Man Bleeder.
- Everything needed to quickly bleed brakes with no mess. Plastic bottle collects discharged fluid. Complete instruction.



KA-3002 One Man Brake Bleeder Kit

Deluxe kit will service calipers. Wheel cylinders and master cylinders. Includes fluid collection bottle with extra – strong magnet (for convenient attachment to car). Set of hoses and special fillings.



KA-6790 One-Man Brake Bleeder Hose Kit

One way check place built into fuse allows use to control flow of fluid.



KA-1325 Automatic Brake & Clutch Bleeder

- Fast, easy effective bleeding of brakes and clutch using air from type.
- Innovative design incorporates valve for control of air pressure, extra-long air hose for use with larger vehicles and magnetic reservoir base to prevent accident accidental spillage.
- Suitable for use with ABS systems.
- Supplied with range of common adaptors.



KA-2438 Non-Power Brake Oil Receiver

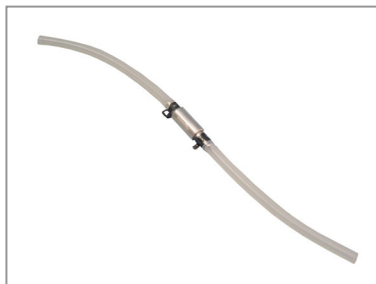
- Silicone tube that resist the strong acid and strong alkaline solution.
- No need to connect to any air compressor to change oil, all you need to do is connect it to the brake oil container opening. And step the brake pad (while ignited) to change the brake oil.
- Capacity: 1000 cc



KA-7248 Bleeder Bottle (1L)



KA-2439
Hydraulic Brake Bleeder



KA-2439-1
Hydraulic Brake Bleeder



KA-6791 One-Man Brake Bleeder Hose

One way check place built into fuse allows use to control flow of fluid.



KA-3003 One Man Brake Bleeder Hose

One-way check valve built into hose allows user to control flow of brake fluid from wheel cylinders while pressing brakes. Features universal spring clamp and clear hose to view bubbles.



KA-2918 2.0T Canister Drain Tool (One Man Brake Bleeding Tool)

Specially designed for providing one man brake bleeding operation. Just fit bleeder to loosen bleeder screw, and pump brake pedal until all air bubbles are removed from the hose.

- Material: Silica gel hose with brass head
- Size: 2.0T
- Length: 500mmL
- Suitable for: VW, Audi, Skoda, Seat.



KA-7251A

Flexible-Spout Funnel



KA-7251B



KA-7251C



KA-7251D

Model	KA-7251A	KA-7251B	KA-7251C	KA-7251D
Material	PP	PP	PP	PP
Dimension	140x140x235mm	140x140x235mm	140x140x235mm	140x140x235mm
Weight	75g	75g	75g	75g
Suitable		BENZ.AUDI	NISSAN.HONDA.SUZUKI	TOYOTA

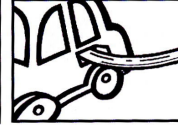


KA-101-WH Emergency Fuel Transfer Kit

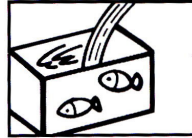
- Extracting various kinds of fluids, oil-resistant, heat-resistant, alkaline-resistant, acid-resistant.
- Compact and Durable.

1. To close the check value: keep squeezing pump vertically at initial extraction.
2. The extraction would be executed when press the squeezing pump by hand.

Application:



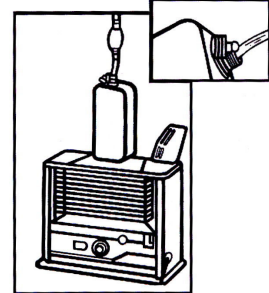
- Extracting transferring fuel from car to car or motorcycle to motorcycle



- Extracting water from fish tank



- Extracting fluid from the tank



- Pumping fuel into the heater



KA-101A-WH



KA-101C-WH

Fluid Siphon Pump

- For use on Vauxhall 2.0 di & 2.2 di diesel engines
- After the replacement of the new diesel fuel filter, this tool is used to introduce the fuel into the fuel pump



KA-7825 Fluid Syringe With Suction

Feature:

It can be used for any non-corrosive lubricants.

Suck the liquid into the pot.

The pot can be removed and connect any tube for extension use.

Specification:

Capacity: Syringe: 350mL, Pot: 1L

Size: 381 x 225 x 102mm

Accessory: Oil resistant tube

OD Ø13mm x 370mmL

OD Ø15mm x 150mmL

Tube plug

Net weight: 0.55kg



WASTE OIL STORAGE

- Handy
- Fast
- Environment-friendly
- It passes all kinds of cars and motorcycles.
- Full can could be evacuated to a old oil reception.

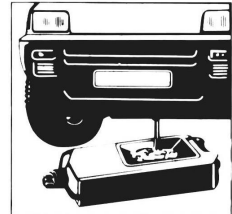
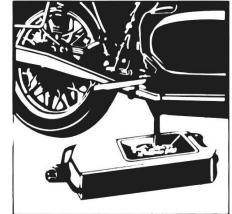
Instruction:

- Loose the two wing screws before the oil-changing.
 - Oil-changing can with a hollow slipped under the oil outlet screws.
- You can also lock the oil-changing can for transport and storage.



Item No.	Weight	Capacity	Size
PA-OP40Y	570G	4L	427 x 292 x 100mm
PA-OP60Y	700G	6L	427 x 292 x 126mm
PA-OP80Y	850G	8L	568 x 320 x 112mm
PA-OP100Y	850G	10L	567 x 321 x 126mm
PA-OP170Y	1000G	17L	671 x 380 x 138mm

Make the oil-changing much easier!



PA-OP450Y 44L Waste Oil Storage

- Weight: 3360g
- Capacity: 44L
- Size: 885 x 495 x 188mm



PA-UP100Y 10L Waste Oil Storage – Pot Type

- Weight: 850g
- Capacity: 10L
- Size: 620 x 292 x 173mm

Oil Drain Tray

--- PE

--- TEMPERATURE RESISTANCE



KA-7197

- Capacity: 24L
- Size: 82x54x19cm



KA-7197C

- Capacity: 6.6L
- Size: 43.5x39.5x11cm



Item No.	Capacity	Size
KA-7197A	8L	49 x 38.5 x 12.5cm
KA-7197B	16L	55 x 44 x 15cm



Old Type



Item No.	Capacity	Size
KA-7197AN	8L	50 x 40 x 13cm
KA-7197BN	16L	58 x 47 x 16cm
KA-7197DN	3.5L	41 x 33 x 10cm

****For motorcycle**



New Type

***SAVE STORAGE SPACE!!**



KA-2100 2L Oil Drain Pan

- Catches the engine waste oil when changing the Motorcycle's engine oil.
- Convenient
- Easy to use
- Environmental protection

- The front side opening design for easy dumping of all oil collection.
- Capacity: 2 liters



Truck & Trailer Wheel Waste Oil Pan

- For catches the oil from wheel hubs after removing cap.
- Prevents oil mess during wheel repair.
- Sturdy polypropylene construction won't warp if oil is warm.
- The side opening design for easy dumping of oil collection.



Item No.	Capacity	Size (mm)	Application
KA-2092	3L (107 oz)	316x246x156	Fits rims with 13-3/4" I.D. or larger
KA-2092A	5L (178 oz)	416x280x157	Fits rims with Tourist car, Trailer and Large trucks

KA-6690 Vacuum Testing Brake Bleeding Kit

A COMPLETE KIT FOR VACUUM TESTING AND ONE-MAN BRAKE BLEEDING

Useful Information:

1. The kingtool vacuum pump
2. The automotive vacuum system
3. Diagnosing mechanical engine conditions.
4. The fuel system
5. Ignition system service
6. Engine tune-ups
7. Computerized engine control systems.
8. Emission control system components.
9. Automatic transmissions
10. Brake systems
11. Body and accessories
12. Motorcycle and marine vehicle.
13. Ship honing fluids.



***** TOTAL 25 FUNCTION *****

VACUUM READING: 0 ~ 760mmHg(0 ~ 30 INCH Hg)

KA-4422K Vacuum/Pressure Pump

■ Mechanical engine condition

1. Vacuum gauge
2. Cylinder leakage
3. Valve stem oil seals
4. Heavy duty diesel piston pin retainer leakage
5. Turbocharger waste gates motorcycle and marine
6. Sealing & Defective gaskets

■ Testing

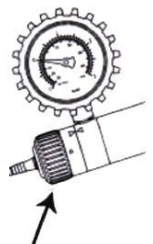
Vacuum pump provides many tests including but not limited to the following.

- | | |
|--|---|
| 1. <u>Automatic transmission</u>
* vacuum modulators | 5. <u>Emission control system</u>
* heated-inlet air system
* EGR (Exhaust gas recirculation) system |
| 2. <u>Body and accessories</u>
* vacuum reservoirs
* air conditioning and heating
* heater cores | 6. <u>Engine tune-up</u>
* carburetor adjustments and service
* carburetor chokes
* propane carburetor service |
| 3. <u>Brake systems</u>
* antilock brake system
* conventional brake system
* power brake system | 7. <u>Fuel system problems</u>
* fuel tank
* fuel lines
* fuel pumps
* fuel pressure regulator |
| 4. <u>Computerized engine control systems</u>
* FORD EED-III and MCU system
* CHRYSLER electronic fuel control system
* American motors engine controls | 8. <u>Ignition system services</u>
* system functions
* ignition timing
* power brake system |

- Vacuum reading from 0 to -1 bar / 0 to 760 mmHG with 0.05 gauge increments
- Pressure reading from 0 to 4 bar / 0 to 60 PSI with 0.05 gauge increments



CHANGES FROM VACUUM TO PRESSURE INSTANTLY





KA-4425K Vacuum Pump / Brake Bleeding Kit

A COMPLETE KIT FOR VACUUM TESTING AND ONE-MAN BRAKE BLEEDING

Testing:

1. Diagnosing mechanical engine conditions
2. The fuel system
3. Ignition system service
4. Engine tune-ups
5. Computerized engine control systems
6. Emission control system components
7. Automatic transmissions
8. Brake systems
9. Body and accessories
10. Motorcycle and marine vehicle
11. Ship honing fluids

***** TOTAL 25 FUNCTION *****



KA-3000KC

Brake Bleeder Screw Repair Kit

Eliminates need to replace caliper or wheel cylinder when bleeder screw is frozen or broken.

Instructions:

1. Remove caliper or wheel cylinder from car.
2. Disassemble and remove piston or cups.
3. Drill 3/16" hole through existing bleeder.
4. Increase hole size to 11/32", drilling as straight as possible (Minimum stock around hole should be at least 1/8".)
5. Using a 1/8"-18 NPT tap, tap hole at least 1/2" deep.
6. Clear out any metal shavings or foreign material from bleeder hole.
7. Lubricate threads with anti-seize compound and install repair fitting.
8. Torque to 30-35 foot pounds.
9. Reassemble caliper or wheel cylinder.
10. Check for leakage around threads.



KA-6795A

KA-6795B

KA-6795A 1/4", 5/16", 7mm & 8mm

KA-6795B 3/8", 7/16", 10mm

KA-6795 Bleeder Screw Repair Kit - 1/4" NPT + 1/8" NPT

Repairs disc brake bleeder screw.

Fast simple answer to broken or frozen bleeder screws.

Easy installation-just drill, tap and install.

Brass insert provides new seal for bleeder screw.

Eliminates need to replace caliper.

Fits most single piston calipers. Also for wheel cylinders on brake drum brakes.





KA-7193KA

2000cc Pneumatic Engine Valve & Parts Carbon Clean Kit

- Simple and easy to operate suitable extracting & filling fluid
- Washing engine carbon with special parts. (universal for all model)
- Filling fluid control valve with Nylon & PU hose

Specifications:

- AIR INLET.....1/4"
- AVG AIR CON..... 2CFM
- WORKING PRESSURE..... .40 -170 PSI
- TEMPERATURE RANGE-3°F - 140°F
- MAX CAPACITY..... 2000c.c

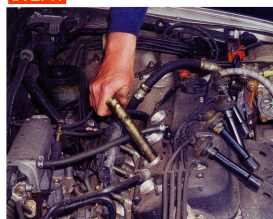


KA-7195 Engine Carbon Washing Kit (1.0LT)

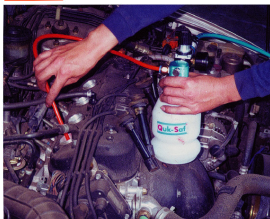
1. Warm up the engine, then shut off and disassemble the spark plugs from engine.
2. Insert the cleaning reagent into the canister and ensure without any leakage, fasten the knob of regulation and set the slide valve to "ON" position
3. Ensure the pressure gauge of regulator indicate 0 psi, and lock on the vacuum knob(#07)
4. Insert the lead hose to the spark plug holes and raise the pressure gently. The cleaning reagent will flow in the combustion chamber. While all combustion chamber filled by the cleaning reagent, remove the lead hose. The pressure gauge of regulator indicate around 20 psi
5. Set the slide valve to "OFF" position and stay 15-20 minutes. The carbon in the combustion chamber will react with the cleaning reagent.
6. Release the vacuum knob 2 turns, and reinsert the lead hose into the spark plug hole, then set the slide valve to "ON" position
7. Raise the air pressure to 90 psi. The carbon and cleaning reagent will suck out. The cleaning procedure completed.
8. Reinstall the spark plugs on the engine, and start the engine
9. This is the best procedure for clean the carbon in the combustion chamber



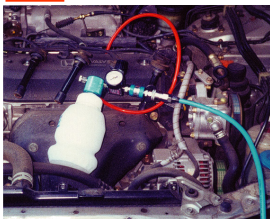
STEP:1



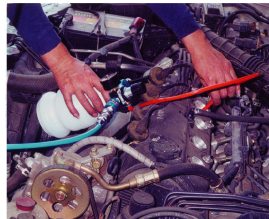
STEP:2



STEP:3



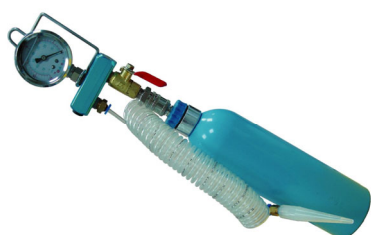
STEP:4



MODEL: HONDA
OPERATIONAL EXAMPLE

KA-2437 Fuel Injection Cleaner & Tester Kit

- Cleaning intake valve
- Cleaning combustion chamber
- Cleaning vacuum system
- Test vacuum system pressure



KA-7829K

5L Oil Flask And Measurement Double Pack

Item No.	KA-7829A	KA-7829B
Size (mm)	280 x 195 x 400	275 x 230 x 330
Weight	0.56kg	0.58kg
Capacity	5.5L	5.5L



KA-7829B

KA-7829A



Petrol Engine Testing & Cleaning Kit

KA-6780



KA-6780K



KA-6692K



KA-6692KN



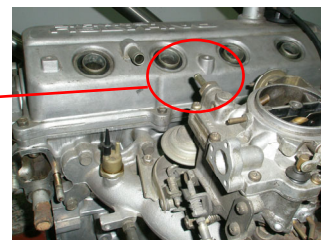
* For All Petrol Engine Cars

- Clean the following parts: Intake Valve, Combustion Chamber, Vacuum Hose
- Test the following parts: Engine System Pressure, Petrol Pump Pressure, Vacuum System Pressure

* Fuel Injector

The opening of the fuel injector is as thin as the human hair.
The accumulation deposits at the tip would affect and upset the air/fuel mixture.

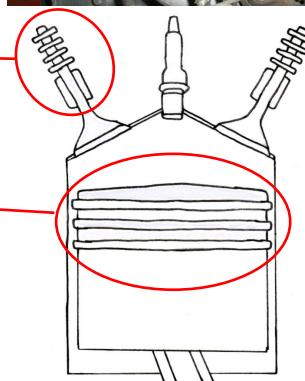
- The Problem Symptoms:
Stumble during acceleration. Power Loss.
Emissions of Hydrocarbons and Carbon Monoxide Increases.



* Intake Valve

While the engine is warming up, the intake valve absorbs fuel and leaves out the air/fuel mixture.

- The Problem Symptoms:
Poor Driveability. Power Loss.
Emissions of Hydrocarbons and Carbon Monoxide Increases.

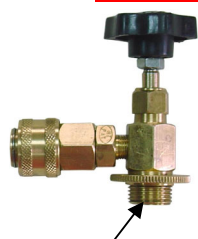


* Combustion Chamber

As the deposits keep accumulating, the compression temperature increases, and lead to auto-ignition of the air/fuel mixture.

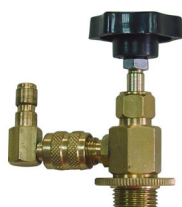
- The Problem Symptoms:
Poor Acceleration, Run-On, Knocking, Pinging, Octane is increasingly required.
Emissions of Nitrogen Oxide increases.

NEW TYPE



The removable pin can avoid the cleaner from flowing during installation.

OLD TYPE



Regular Valve

☆ SPECIAL FEATURE ☆

KA-6692KN

A new upgrade design for cleaning the carbon deposit for fuel injector.

KA-6692KN is made with Pressure Adjusting Device which also adjusts the flow rate, so only adequate amount of cleaner flow through, to avoid ignition difficulties caused by too little or too much of cleaner.

Re-Discover The Power of Your Car Engine

Before



After





KA-7199 Vacuum Brake Fluid Bleeder 1L (Air powered)

Introduce:

- Uses standard workshop air supply.
- Removes fluid via bleed nipples to allow bleeding or entire fluid replacement.

Specification:

- Capacity: 1 liter
- Material: PE
- Power air vacuum



KA-7199A 1L Vacuum Brake Fluid Bleeder Set

- Vacuum brake bleeder complete with 2 new fluid supply bottle
 1. **KA-7199** : 1 liter capacity, air vacuum powed, 1200g
 2. **KA-6545D**: brake fluid supply bottle- adjustable nozzle
 3. **KA-6545DA**: brake fluid supply bottle- fix nozzle
- 1 liter capacity
- Uses standard workshop air supply
- Removes fluid via bleed nipples to allow bleeding or entire fluid replacement



KA-7199B 1L Vacuum Brake Fluid Bleeder Set

- Vacuum brake bleeder complete with new fluid supply bottle
 1. 1 liter capacity, air vacuum powder, 820g
 2. 1 liter New fluid bottle adaptor set for different master cylinder designs
- 1 liter capacity
- Uses standard workshop air supply
- Unique rubber joint for fluid extraction (avoids leaks)
- Removes fluid via bleed nipples to allow bleeding or entire fluid replacement



KA-6545J 4L Vacuum Brake Fluid Bleeder (Air powered)

- Vacuum brake bleeder.
- 4 liter capacity.
- Uses standard workshop air supply.
- Removes fluid via bleed nipples to allow bleeding or entire fluid replacement.

Include:

KA-6545D Brake Fluid Supply Bottle 1L (Adjustable Nozzle)

Model	KA-6545J
Material	PE
Capacity	4L
Power	Air Vacuum
Weight	1420g



brake bleeding operation.



KA-6545H Manual Pressure Brake Bleeder (Manual powered)

Feature

- Easy one-person operation.
- Simple hand-pump operation to create pressure.
- Portable.
- Supplied with European cap adaptor.
- 3.5 liter capacity.

Model	KA-6545H
Material	PE
Capacity	3.5L
Weight	1140 gs
Dimension	170x190x420 m/m



KA-7193K

2000cc Pneumatic Oil & Liquid Dispenser

- 2000cc 2 in 1 extract & pump dispenser
- With 1M Nylon hose extracting oil tank
- 1.2M PU hose with super flexible rubber nozzle
- Fixing valve & safety cup for automatic cut-off extract
- Suitable for narrow & difficult space filling
- Simple and easy to operate suitable extracting & filling any liquid

Specifications:

- AIR INLET.....1/4"
- AVG AIR CON..... 2CFM
- WORKING PRESSURE..... .40 -170 PSI
- TEMPERATURE RANGE-3°F - 140°F
- MAX CAPACITY..... 6000c.c.



KA-7196 Pneumatic Oil & Liquid Dispenser

- 6000cc 2 in 1 extract & pump dispenser
- With 1M Nylon hose extracting oil tank
- 1.2M PU hose with super flexible rubber nozzle
- Fixing valve & safety cup for automatic cut-off extract
- Suitable for narrow & difficult space filling
- Simple and easy to operate suitable extracting & filling any liquid

Specifications:

- AIR INLET.....1/4"
- AVG AIR CON..... 2CFM
- WORKING PRESSURE..... .40 -170 PSI
- TEMPERATURE RANGE-3°F - 140°F
- MAX CAPACITY..... 6000c.c.



KA-7196A Pneumatic Oil & Liquid Dispenser

- 6000cc pump dispenser
- Suitable for narrow & difficult space filling
- Simple and easy to operate filling any liquid

Specifications:

- AIR INLET.....1/4"
- AVG AIR CON..... 2CFM
- WORKING PRESSURE..... .40 -170 PSI
- TEMPERATURE RANGE-3°F - 140°F
- MAX CAPACITY..... 6000c.c.



KA-7196P Pneumatic Oil & Liquid Dispenser

- Provide with the safety valve, pre-setting 43psi (3kg/cm2) the exceed pressure will be relief automatically
- Provide with the pressure gauge, can be read & control the air pressure in the tank more easily.

Specifications:

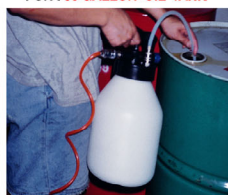
- AIR INLET.....1/4"
- AVG AIR CON..... 2CFM
- TEMPERATURE RANGE-3°F - 140°F
- MAX CAPACITY..... 6000c.c.

EXTRACT EXAMPLE

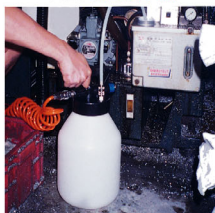
FOR : 5 GALLON OIL TANK



FOR : 50 GALLON OIL TANK



FOR : SPECIAL OIL

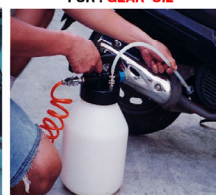


FILLING EXAMPLE

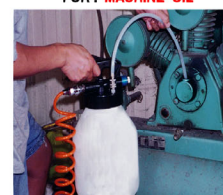
FOR : PISTON OIL



FOR : GEAR OIL



FOR : MACHINE OIL

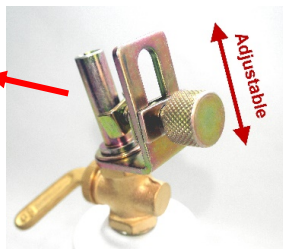




KA-7192

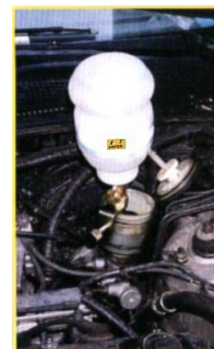


KA-7192T



Brake Oil Bleeder

KA-7192 1000 c.c.
KA-7192T 500 c.c.



KA-7193 Pneumatic Brake Oil Extractor (2.0LT)

- Change your brake oil is a simple and easy operation you have the right tools.
- One man in same step clear operation quick and safety.

Specifications:

- AIR INLET.....1/4"
- AVG AIR CON..... 2CFM
- WORKING PRESSURE..... .40 - 170 PSI
- TEMPERATURE RANGE-3°F - 140°F
- MAX CAPACITY..... 2000c.c.



KA-7194K Pneumatic Brake Oil Extractor & Bleeder Kit

- Midget size N.W. then less 1 kg easy carry & operation.
- Pneumatic extractor non-spark.
- One man in same step operate
- 1 meter silicon hose with universal rubber adaptor, can fit most vehicle brake oil bleeder fitting
- Fixing valve & safety cup for automatic cut-off extractor

Specifications:

- AIR INLET.....1/4"
- AVG AIR CON..... 2CFM
- WORKING PRESSURE..... .40 - 170 PSI
- TEMPERATURE RANGE-3°F - 140°F
- MAX CAPACITY..... 2000c.c.



KA-2440 Basic Brake Bleeder

- Economical- fast and easy, reduces labor costs.
- Versatile- handles most standard and ABS brake systems.
- Clean- collects old brake fluid without spillage.
- Quiet- integrated silencer for a quieter. Working environment.
- Silicon suction assembly with universal rubber fitting

Specifications:

- AIR INLET.....1/4"
- AVG AIR CON..... 2CFM
- WORKING PRESSURE..... .40 - 170 PSI
- TEMPERATURE RANGE-3°F - 140°F
- MAX CAPACITY..... 2000c.c.



KA-2440KA Basic Brake Bleeder Kit

- Midget size N.W. then less 1kg easy carry & operation.
- Pneumatic extractor non-spark.
- One man in same step operate.
- 1 meter silicon hose with universal rubber adaptor, can bleeder fitting
- Fixing valve & safety cup for automatic cut-off extractor

Specifications:

- AIR INLET.....1/4"
- AVG AIR CON..... 2CFM
- WORKING PRESSURE..... .40 - 170 PSI
- TEMPERATURE RANGE-3°F - 140°F
- MAX CAPACITY..... 2000c.c.





KA-2440KN Pneumatic Brake Fluid Extractor & Refilled Kit

WORKING PRESSURE	(PSI)	70 ~ 170
	(BAR)	(4.9 ~ 11.9)
CAPACITY	KA-2440N	EXTRACTING TANK: 2.0L
	KA-7192N	REFILLED BOTTLE: 1.0L
AIR INLET		1/4"



KA-2440N Brake Bleeder

- Change your brake oil is a simple and easy operation if you have the right tools!
- One man in same step clear operation quick and safety!

Specifications:

- AIR INLET.....1/4"
- AVG AIR CON..... 4.5CFM
- WORKING PRESSURE..... 70 - 170 PSI
- TEMPERATURE RANGE-3°F - 140°F
- MAX CAPACITY..... 2000c.c.



KA-7192N Brake Bleeder (Refilled Bottle)

- Automatic refilling of the master cylinder reservoir while bleeding.
- Capacity: 1.0L



KA-6000 Powerful Oil Exchanger

- Capacity: 6 Liter
- Multi-Functional (D.I.Y.)
- Easy, Economical, Clean safe



KA-6000B

KA-6000A Pneumatic Oil Exchanger & Bleeder Kit

- Fast - No mess - Fluid removal
- Environmentally friendly
- Air operated "no moving parts" fluid extraction unit
- Suitable for automotive, industrial, motorcycle, marine & heavy plant equipment applications.
- Oil extraction: Engine, Power Steering, Gear Box, Automatic transmission, Differential, Marine, Industrial machinery
- Fluid Extraction: Brake, Coolant, Hydraulic, Cutting, Lubricating
- "Vacuum Hold" feature allows use even when disconnected from air supply.
- Extraction is achieved using deep vacuum technology
- Automatic fluid shut off valve to prevent over filling
- On-off flow tap
- Quick connect fittings
- Quick release air supply locking trigger
- Carry handle & easy pour spout for fluid disposal.
- Container & fittings constructed from chemical resistant materials.

Note: NOT for use with Highly Flammable fluids.





KA-7198 Pneumatic Fluid Dispenser 10L

Introduce:

- Adopt durable polyethylene material.
- Compact design with air power operated.
- Maintenance free.
- Easy dispensing job.
- Safety valve design.
- Oil Gun
- optional accessory

Specification:

- Weight: 3.44 kgs
- Capacity: 10L
- Power Source Pneumatic Dimension: 550x310x180mm



KA-7196-L Pneumatic Oil Extractor (8.5L)

- Capacity 8.5L for extracting some kind new car engine oil.
- Pneumatic extractor non-spark.
- One man in same step operate
- 1 meter silicon hose with universal rubber adaptor, can fit most type brake fitting
- Fixing valve & safety cup for automatic cut- extractor



KA-7037H Manual Fluid Extractor (9 Liters)

- A large 9.0 Liter (2.35 gallon) capacity.
- Manual fluid extractor, can be used to extract many kinds of non-explosive liquids.
- Completely using hand pump when you without shop air.
- New safety design, when the tank is full of liquid, the mechanism will be shut off automatically.
- One man, fast, clean and easy operating.
- None electric spark, safety for workshop.



KA-7037PM Manual & Pneumatic Fluid Extractor (9 Liters)

- A large 9.0 Liter (2.35 gallon) capacity Manual & Pneumatic fluid extractor, can be used to extract many kinds of non-explosive liquids.
- Completely automatic using normal shop air, or using hand pump when you without shop air.
- New safety design, when the tank is full of liquid, air inlet mechanism will be shut off automatically.
- One man, fast, clean and easy operating.
- None electric spark, safety for workshop.
- Max air Consumption: 5.0 CFM

Specifications:

- AIR INLET.....1/4"
- WORKING PRESSURE.....70 -170 PSI
.....4.9 - 11.9 BAR
- TEMPERATURE RANGE-3°F - 140°F
- MAX CAPACITY..... 9000c.c.



KA-6781 Pneumatic Oil Extractor (5.5L)

- Simple and easy to operate suitable for engine oil gear oil transmission and brake fluid water
- Extract with 3min. For 5 liter engine oil
- Non-spark power oil extractor
- One man, clear operation, quick and safety.

Specifications:

- AIR INLET.....1/4"
- AVG AIR CON..... 2CFM
- WORKING PRESSURE..... 40 -170 PSI
- TEMPERATURE RANGE-3°F - 140°F
- MAX CAPACITY..... 5500c.c.

KA-6781N Pneumatic Fluid Extractor (5.5L)

- A versatile, portable, air operated Fluid Extractor for extracting fluids from crankcases, transmission cases, cooling systems and power steering reservoirs.
- This ideal tool designed to be used with many kinds of non-explosive liquids.
- Completely automatic using normal shop air.
- New safety design, when the tank is full of liquid, air inlet mechanism will be shut off automatically.
- One man, fast, clean and easy operating.
- Fully automatic using normal shop air.
- None electric spark, safety for workshop.
- Max air Consumption: 5.0 CFM

Specifications:

- AIR INLET.....1/4"
- WORKING PRESSURE.....70 -170 PSI
.....4.9 - 11.9 BAR
- MAX CAPACITY..... 5500c.c.



KA-6781P Pneumatic Fluid Extractor (9L)

- A large 9.0 Liter (2.35 gallon) capacity Pneumatic fluid extractor, can be used to extract many kinds of non-explosive liquids.
- Completely automatic using normal shop air.
- New safety design, when the tank is full of liquid, air inlet mechanism will be shut off automatically.
- One man, fast, clean and easy operating.
- None electric spark, safety for workshop.

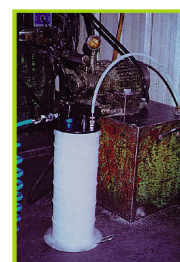
Specifications:

- AIR INLET.....1/4"
- WORKING PRESSURE.....70 -170 PSI
.....4.9 - 11.9 BAR
- MAX CAPACITY..... 9000c.c.



Can be used to extract a wide range of fluid types:

- engine oil
- transmission fluid
- gear oil
- coolant
- power steering fluid
- and more...



Can be used to extract a wide range of fluid types

Can be used to extract a wide range of fluid types:

- brake oil
- transmission oil
- and more



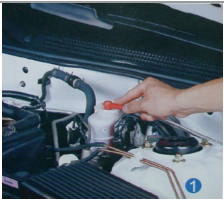
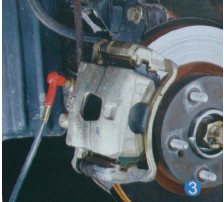


KA-6782 2L Pneumatic Brake Fluid Changer

The oil extractor unit is ideally suited for:

Extracting or changing engine oils or lubricants in motor vehicles, motor bikes, marine engines, stationary engines, large and small industrial machinery, as well as non lubricants such as water from fish tanks etc.

- Capacity: 2Litres.
- Working Pressure: 90PSI
- Air inlet: 1/4"

STEP 1:  Remove the cap from the brake fluid reservoir. Suck out all old fluid with the pneumatic brake fluid changer.	STEP 2:  Place the refill pot which contains new brake fluid into the reservoir. New fluid will automatically flow in to keep the level constant.
STEP 3:  Push the red end of the clear plastic tube onto the bleeder screw. Connect the unit with the air compressor it will automatically extract the fluid.	STEP 4:  When the color of the fluid is clear, tighten the bleeder screw to stop the extraction. (To prevent air from entering the brake system at the bleeder screw). the tube can now be removed from the bleeder screw.

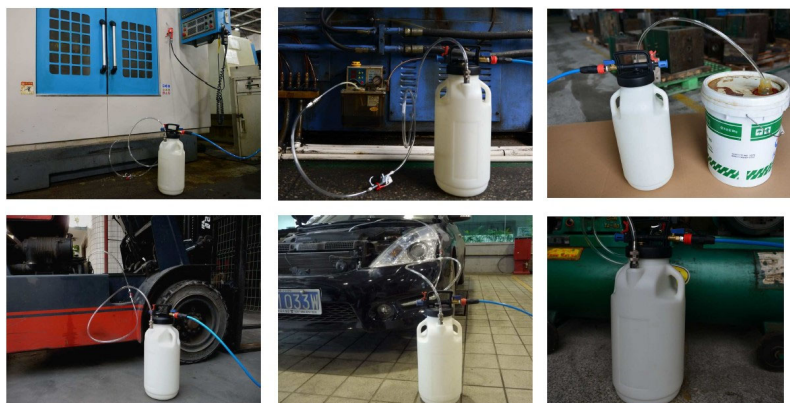
- Repeat the above procedure at every wheel.
- The function of the refill pot is to automatically add new fluid into the reservoir as the pneumatic brake fluid changer sucks out the old fluid from the bleeder screw.

KA-6784 Pneumatic Fluid Extractor & Dispenser (9L)

- A large 9.0 liter (2.35gallon) capacity pneumatic fluid extractor & dispenser, can be used to extract and filling many kinds of non-explosive liquids.
- Provide with the compound vacuum / pressure gage, can be read vacuum and pressure in the tank easily.
- New safety design, with the dual-safety protection device, when tank pressure reaches the set level, the devices will start the pressure release automatically.
- Unique design, with the one touch convert button device, simple and easy convert the extracting or filling functions.

Specifications:

- AIR INLET 1/4"
- AVG. AIR CON. 5CFM
- WORKING PRESSURE 40 - 170 PSI
- TEMPERATURE RANGE -3 - 140°F
- MAX CAPACITY 9000 c.c.



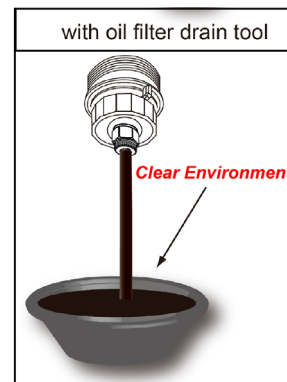
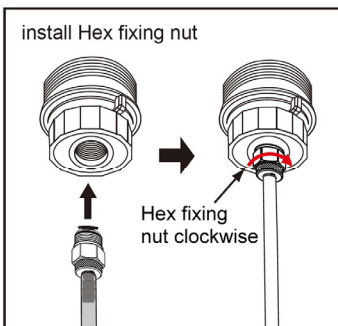
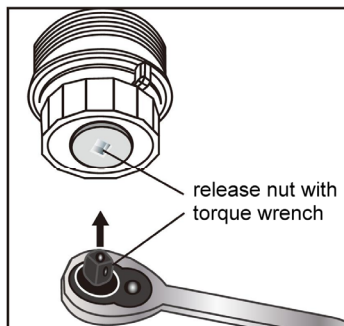
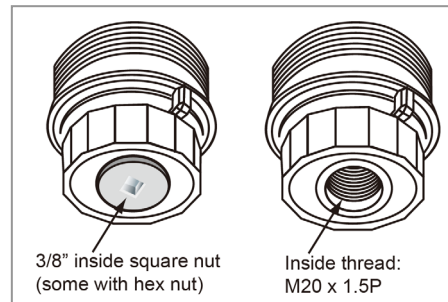
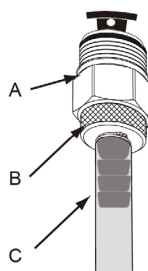
KA-7261 Oil Filter Drain Tool

- Provide a professional and clean work since remove type oil filter wrench
- Available for many Toyota & Lexus(2006~)4cy, 6cyl and 8cyl vehicles



Features:

- A: Hex fixing nut: M20 x 1.5P
B: Drain Nut
C: Drain Hose: 600mm



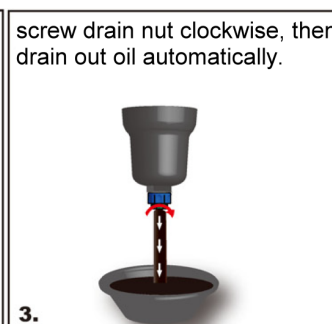
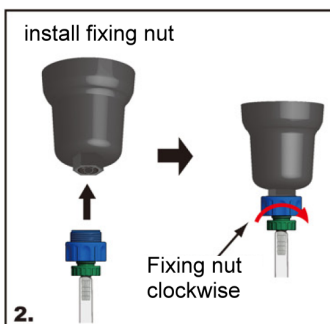
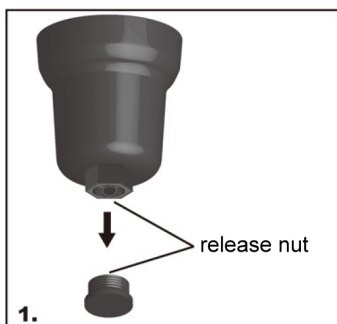
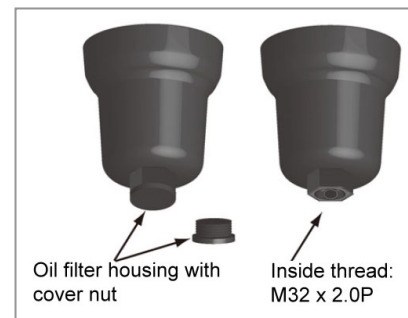
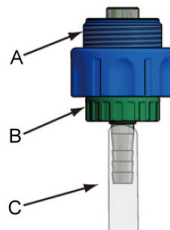
KA-7261A Oil Filter Drain Tool

- Provide a professional and clean work since change oil filter
- Available for many VW 2.0 vehicles.
Golf V 2.0T 2.5, Golf V (all) 2.0T, Jetta V (all) 2.0T, Passat B6 (all) 2.0T



Feature:

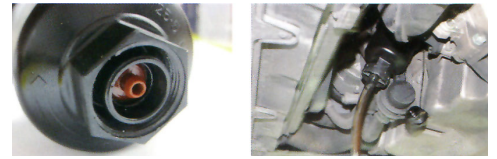
- A: Fixing nut: M32 x 2.0P
B: Drain nut
C: Drain hose: 900mm





KA-6576 Oil Release Hose for Cartridge Type Oil Filter

- Suitable for VW/Audi TFSI and GTI system
- No spillage of oil while removing the filter housing
- Works with KA-2895 Aluminum Cup Wrench Set



KA-6576A

1 Liter Swivel Oil Release Bottle For Cartridge Type Oil Filter

- Suitable for VW/Audi TFSI and GTI system.
- Release waste oil remaining in oil filter housing before changing the cartridge.
- No spillage of oil while removing the filter housing.
- Swivel adaptor design at the connecting side to the oil filter.
- The waste oil will be storage in the 1L bottle.
- Works with KA-2895 Aluminum Cup Wrench Set
- Dimension: 495 x 122 x 122 m/m
- Weight: 0.273kgs



KA-6577

1 Liter Swivel Oil Release Bottle For Cartridge Type Oil Filter

- Suitable for VW/Audi TFSI and GTI system.
- Release waste oil remaining in oil filter housing before changing the cartridge.
- No spillage of oil while removing the filter housing.
- Swivel adaptor design at the connecting side to the oil filter.
- The waste oil will be storage in the 1L bottle.
- Works with KA-2895 Aluminum Cup Wrench Set
- Dimension: 330 x 115 x 115 m/m
- Weight: 0.322kgs



KA-2134K Brake Bleeder Wrench Set With Check Valve

8, 10, 11mm

- Built-in wrench & socket into one convenient makes loosening and tightening easy.
- Ideal for bleeding brake system and hydraulic clutch system without removing the wheels.
- 1.2M silicon hose with check valve for safety operating.
- For universal bleeder nipples.
- High quality material internal seal for long life.



KA-2134K-8MM



KA-2134K-10MM



KA-2134K-11MM



KA-6580



KA-6581

Syringe for Vehicle Fluid Change

- Transparent design to see fluid visually.
- Suitable for fluid suction and supply in vehicle service.
- Applications such as gear oil and differential fluid.
- Composite plastic resists to brake fluid and antifreeze.

Model	KA-6580	KA-6581
Weight	0.294kgs	0.9kg
Capacity	0.2L	1.5L
Usage	Brake Fluid * Only use with Brake Fluid EPDM"	Oil



Long spout

Short spout

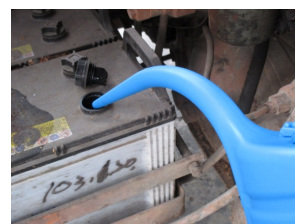
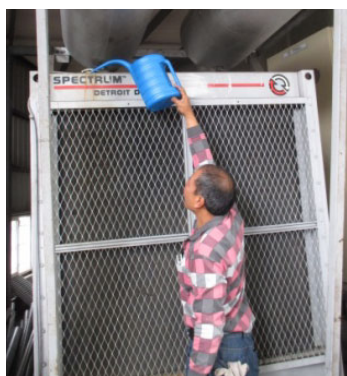
* Color: White / blue available

* MOQ: 300pcs

Oil / Battery Fluid Flask

- Material: PE

Item No.	Spout	Size (mm)	Weight(g)	Capacity
PA-UP2Y	Long	149 x 119 x 310	200~220	2000c.c.
PA-UP2YS	Short			
PA-UP4Y	Long	192 x 157 x 362	340~380	4000c.c.
PA-UP4YS	Short			
PA-UP5Y	Long	209 x 166 x 379	430~470	5000c.c.
PA-UP5YS	Short			
PA-UP6Y	Long	221 x 175 x 396	480~540	6000c.c.
PA-UP6YS	Short			



PA-UP11Y Oil / Battery Fluid Flask

- Size: 336 x 160 x 452mm
- Weight: 880 ~ 930g
- Material: PE
- Capacity: 11000c.c.



6.5L Hand Operation Fluid Extractor

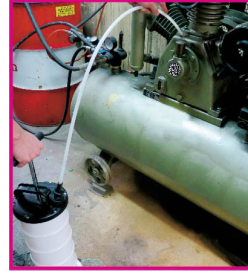
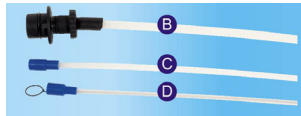
- Three air outlet with check valve design on handle for easy & quick to release air pressure from the extractor.
- Easy to operate suitable for engine oil, gear oil, brake fluid, coolant, water...etc.
- Provide with new decompression valve for easy to release the negative pressure.
- Fixing valve & safety cup for automatic cut-off extracting.
- Non-spark, non-power fluid extractor.
- Include 3 kinds nylon tubes can be extracting and non-corrosive fluid.

Specification:

- Air Inlet 1/4"
- Avg. Air cons 2CFM
- Working pressure range 40-170Psi / 2.8-11.7Bar / 0.28-1.17Mpa

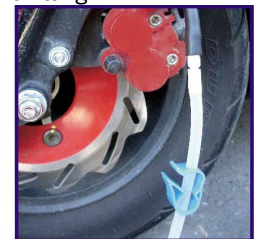
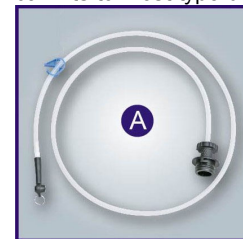
Standard Accessories:

- B: 7.8 x 9.8 Nylon Hose
- C: 5.3 x 6.7 Nylon Hose
- D: 4 x 6 Nylon Hose



※ Option parts:

"A" : 4 x 8 Silicon hose x 1.5 meter silicon hose with one touch controller & universal rubber adapter, can fits to most type brake fitting.



Tubes organizer



Tubes organizer



	Hose B,C,D	Hose A	Tubes Organizer
KA-7827	•	--	--
KA-7827A	•	•	--
KA-7827N	•	--	•
KA-7827NA	•	•	•

6.5L Pneumatic / Manual Operation Fluid Extractor

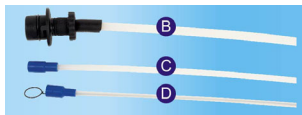
- Three air outlet with check valve design on handle for easy & quick to release air pressure from the extractor.
- Easy to operate suitable for engine oil, gear oil, brake fluid, coolant, water...etc.
- Provide with new decompression valve for easy to release the negative pressure.
- Fixing valve & safety cup for automatic cut-off extracting.
- Non-spark fluid extractor.
- Include 3 kinds nylon tubes can be extracting and non-corrosive fluid.

Specification:

- Air Inlet 1/4"
- Avg. Air cons 2CFM
- Working pressure range 40-170Psi / 2.8-11.7Bar / 0.28-1.17Mpa

Standard Accessories:

- B: 7.8 x 9.8 Nylon Hose
- C: 5.3 x 6.7 Nylon Hose
- D: 4 x 6 Nylon Hose

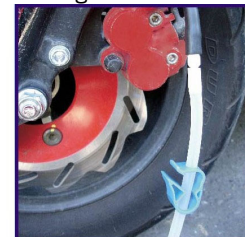


- Vacuum, system,
- Air Inlet control valve
- Negative pressure quick exhaust valve.
- Fluid draining pressure balancer.



※ Option parts:

"A" : 4 x 8 Silicon hose x 1.5 meter silicon hose with one touch controller & universal rubber adapter, can fits to most type brake fitting.



	Hose B,C,D	Hose A	Tubes Organizer
KA-7827P	•		
KA-7827PA	•	•	
KA-7827PN	•		•
KA-7827PNA	•	•	•



KA-6873TE

Threaded brake bleeder Adapter for European Vehicles

- Standard M46.5 × P3.5 for nearly all European vehicles, some Ford and Nissan
- Fitted with a standard European type air plug, straight
- Regular working pressure 1-2 bar / 14.5-29 psi
- Application: Alfa Romeo, Fiat, Peugeot, Audi, Land Rover, Renault, BMW, Mercedes-Benz, Volvo, Citroen, Opel, VW



KA-4084 2-Cycle Motor Oil Mixing Tool

- Measure and mix only what is needed.
- Ratio scale takes the guess work out of mixing oil and gas.
- Complete with extension tube.
- Plastic construction.



KA-7836 Brake Bleeder Catch Bottle

- These Motive Products brake pressure bleeding catch bottle kits are designed to attach to the brake bleeder and catch the fluid as you bleed the system.
- They include plastic catch bottles and wire lanyards that can be placed momentarily on the vehicle when bleeding the brakes.
- Material: PVC+P.P.



KA-6872-BTL 1 Litre Reservoir Bottle

- 1 liter / 1 quart brake fluid catch bottle with a sturdy hook that makes brake bleeding simple and fast
- Brake bleeder valve adapter holds brake bleeder valves strongly and tightly
- Threaded cap makes waste fluid discharge easy
- Includes a 60 cm / 2 ft long soft hose



KA-6872-BTLV 1 Litre Reservoir Bottle With One-Way Valve

- Brake fluid catch bottle with a flexible chain and a bleeder valve adapter
- One-way valve on the soft hose to allow one-person brake bleeding operation without risking air to be redrawn back into the brake system.

KA-7850K9

Manual Brake Fluid Bleeder with Adapter / Fluid Receiver



Manual operation suitable for most vehicle brake system.

- One set of universal brake fluid connector. (KA-7850-AD)
- Provide a standard European adapter with a 90° fitting for narrow space.
- Provided with a 1000cc fluid receiver (KA-7850-BT).
- A variety of brake fluid connectors suitable for different vehicle types can be selected.
- Capacity 3000cc tank with pressure gauge, can be read & control the air pressure in the tank more easily.
- Built-in a pressure release valve on the filler cap.
- Include 2 M special industrial hose with control valve & connector.
- Patent in Taiwan, China, Applications in EU and USA
- Change your brake fluid is a simple and easy operation if you have the right tool.
- One men in same step clear operate, non-spark, quick & safety.

Operation:



Brake Filling Adapter Application:

Item No.	Application
KA-7850-AD-A3 KA-7850-AD-A3EX	Alfa, Aston Martin, Audi, Bentley, Bugatti, BMW, Chevrolet, Ferrari, Flat, Ford, Jaguar, Kia, Lamborghini, Land Rover, Mazda, Mercedes-Benz, Mini, Porsche, Renault, Suzuki, Toyota, Volvo, Volkswagen
KA-7850-AD-T1	Buick, Cadillac, Chevrolet, Ford, Mazda, Oldsmobile, Pontiac, Saturn, Tesla
KA-7850-AD-MSX	Tesla
KA-7850-AD-M3	Tesla
KA-7850-AD-A1	Mitsubishi, Nissan Gasoline, Subaru, Pronto, Suzuki, Volvo S40 and V40
KA-7850-AD-A2	Chrysler, Dodge, Dodge Truck, Ford, Ford Truck, Hyundai, Infinity, Jaguar, Jeep, Kia, Lincoln, Mazda, Mercury, Mitsubishi, Nissan, Plymouth, Saab, Subaru, Suzuki, Toyota
KA-7850-AD-UN	Acura, Chevrolet, Geo, GMC, Honda, Hyundai, Infinity, Isuzu, Jeep, Kia, Range Rover, Mitsubishi, Nissan, Peugeot, Subaru, Toyota, Volkswagen

Option



KA-7850-AD7



KA-7850-AD

Brake Bleeder Adapter

KA-7850-AD7

KA-7850-AD

with 7pcs adapters

with 6pcs adapters

* KA-7850-AD-A3 not includes



KA-7850-BT Fluid Receiver

- Material: PE
- Capacity: 1000c.c.



KA-7850

Manual Brake Fluid Bleeder

- Capacity: 3000c.c.
- Come with a brake filling adapter (KA-7850-AD-A3EX)

KA-7850K16

Manual Brake Fluid Bleeder with Adapter / Fluid Receiver

For almost all car brands!

- Change your brake fluid is a simple and easy operation if you have the right tool.
- One men in same step clear operate, non-spark, quick & safety.
- Manual operation suitable for most vehicle brake system.
- Capacity 3000cc tank with pressure gauge, can be read & control the air pressure in the tank more easily.
- One set of universal brake fluid connector. (KA-7850-AD)
- Provide a standard European adapter with a 90° fitting for narrow space.
- Provided with a 1000cc fluid receiver (KA-7850-BT).
- A variety of brake fluid connectors suitable for different vehicle types can be selected.
- Built-in a pressure release valve on the filler cap.
- Include 2 M special industrial hose with control valve & connector.
- Patent in Taiwan, China, Applications in EU and USA
- 11 brake fluid connector (KA-7850-AD11), Hanging Hook (KA-7850-HOOK).
- 3 Couplers: Tru-Flate, Orion & Milton, OD8mm (KA-7850K11-COUPLER)



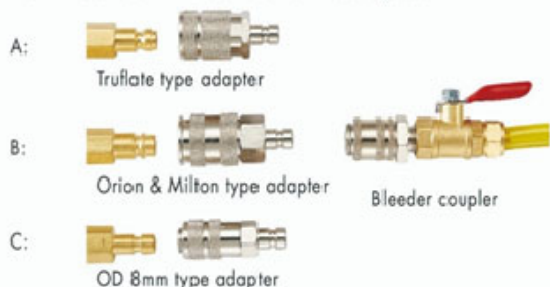
Operation:



Brake Filling Adapter Application:

Parts. No.	Application
KA-7850-AD-A1	Mitsubishi, Nissan Gasoline, Subaru, Pronto, Suzuki, Volvo S40 and V40
KA-7850-AD-A2	Chrysler, Dodge, Dodge Truck, Ford, Ford Truck, Hyundai, Infinity, Jaguar, Jeep, Kia, Lincoln, Mazda, Mercury, Mitsubishi, Nissan, Plymouth, Saab, Subaru, Suzuki, Toyota
KA-7850-AD-A3	Alfa, Aston Martin, Audi, Bentley, Bugatti, BMW, Chevrolet, Ferrari, Flat, Ford, Jaguar, Kia, Lamborghini, Land Rover, Mazda, Mercedes-Benz, Mini, Porsche, Renault, Suzuki, Toyota, Volvo, Volkswagen
KA-7850-AD-A4	Chrysler, Dodge, Dodge Truck, Jeep, Plymouth
KA-7850-AD-A5	Nissan, Altima 2002-2006, Cube 2008-Up, Juke 2011-Up, Kicks 2018-Up, Leaf 2011-Up, Maxima 2004-2008, Micra 2010-2013, Note 2012-Up, Nv200 2013-Up, Tiida 2006-Up, Versa 2007-Up, Versa Note 2014-Up, Livina
KA-7850-AD-H1	Honda
KA-7850-AD-T1	Buick, Cadillac, Chevrolet, Ford, Mazda, Oldsmobile, Pontiac, Saturn, Tesla
KA-7850-AD-TL	Toyota, Lexus
KA-7850-AD-MSX	Tesla Model S, Tesla Model X
KA-7850-AD-M3	Tesla Model M3
KA-7850-AD-UN	Acura, Chevrolet, Geo, GMC, Honda, Hyundai, Infinity, Isuzu, Jeep, Kia, Range Rover, Mitsubishi, Nissan, Peugeot, Subaru, Toyota, Volkswagen
KA-7850K16-COUPLER	A: Truflate type B: Orion & Milton type C: Od 8mm type

How to connect other adapter?



*The special type adapter accepts to order production



KA-7850-AD4 Brake Bleeder Oil Cap

Content: KA-7850-AD-A2, KA-7850-AD-A5, KA-7850-AD-TL, KA-7850-AD-TL

Brake Pressure Bleeder Set

- One-person operation on brake bleeding by pressurizing the brake system from master cylinder.
- Efficient in pushing out debris from brake system.
- 3-liter / 3.17-quart tank with a safety pressure relief valve.
- Includes a standard European adapter with a swivel 90° fitting to tackle limited space.
- One-way valve is fitted in the hose end connector to prevent unsafe brake fluid spills after disconnecting the hose from master cylinder.

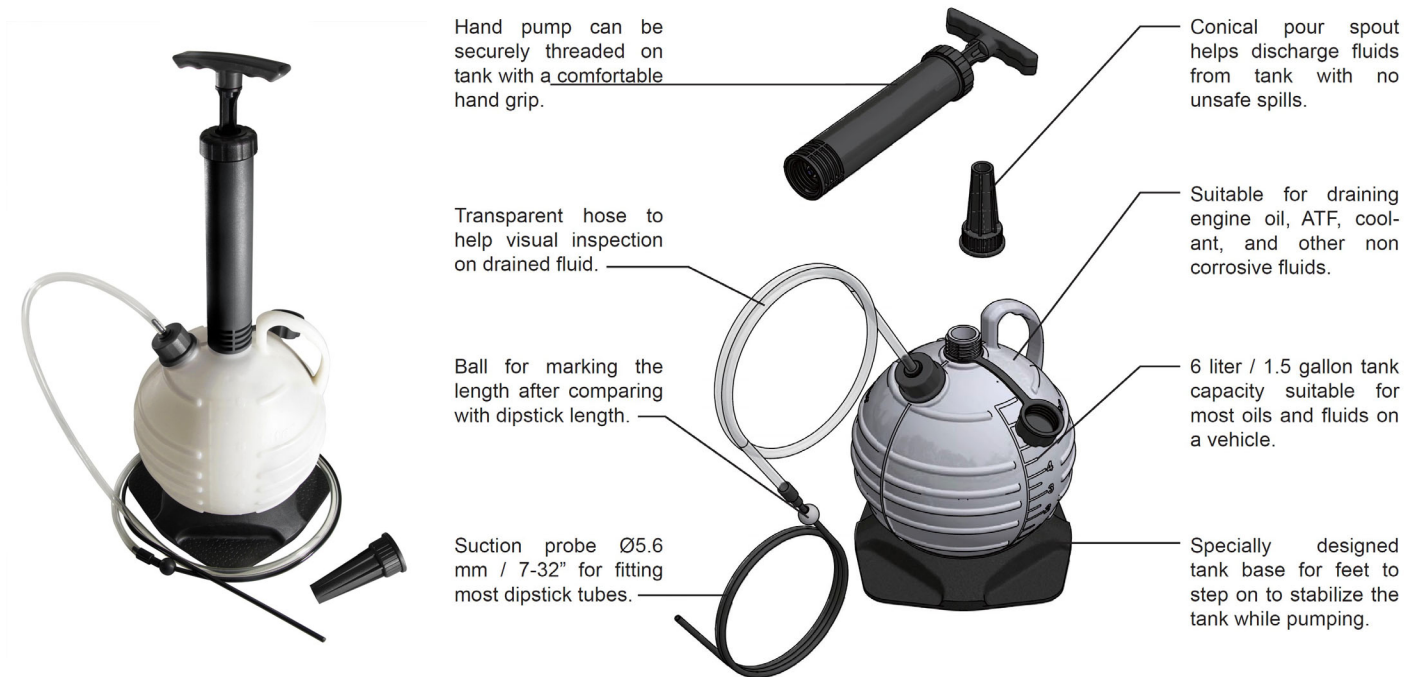


KA-6872



KA-6872K

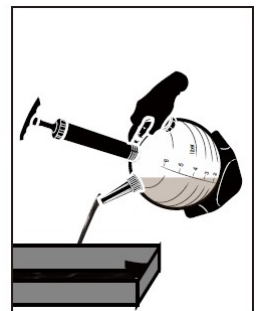
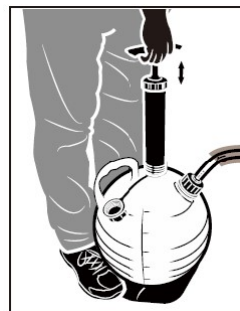
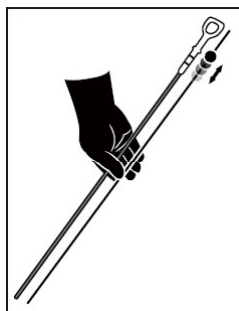
With a 1-liter/quart old brake fluid bottle



KA-6000B

Fluid Extractor Set for Engine Oil Service - Step on type

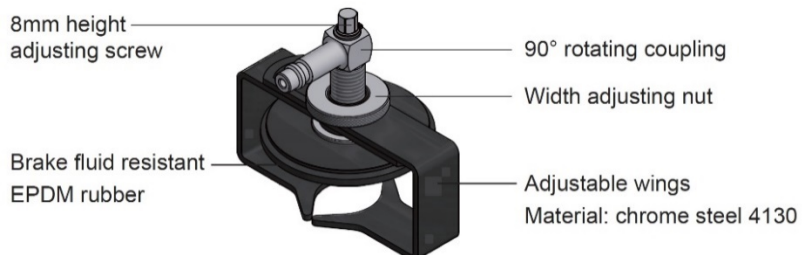
- Manual type vacuum creator for extracting engine oil (and ATF, coolant...etc) during Engine Oil Service
- Capacity: 6 Liters / 1.5 Gallon
- Content:
 - 1 PC Transparent Hose for mechanics to check extracted engine oil quality.
 - 1 PC Thin (OD Ø5.6mm) Hose for Inserting into Dipstick.
 - Conical Adapter for Pouring Dirty Fluid with **No Spills**.
 - Flat tank Base for Feet to Step on to Prevent Wobbling.





Universal Brake Refilling Adapter

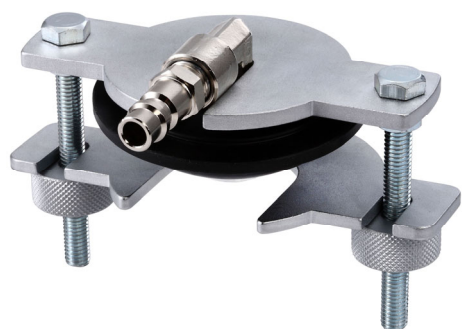
- Brake refilling adapter with a 90° rotating coupling fits almost all vehicles on the market.
- Fits master cylinder fill neck between $\varnothing 28-70\text{mm}$ (1.10"-2.75").
- Brake fluid resistant EPDM rubber.



Item No.	Maximum pressure
KA-7847	Up to 2.0 bar (29 psi)
KA-7847A	Up to 3.5 bar (50 psi)

Operation:

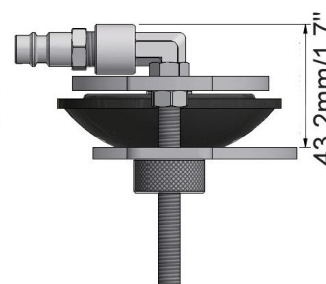
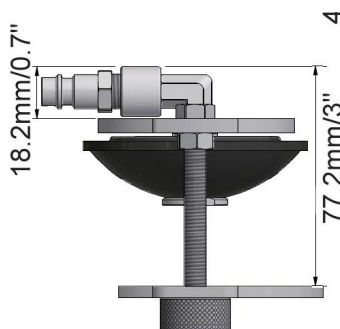
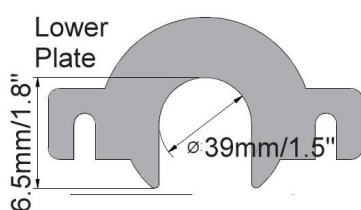
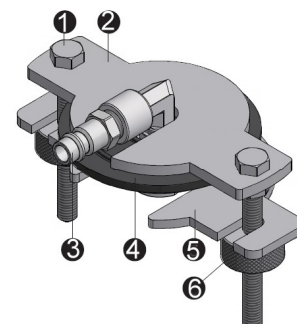
1. Unscrew the width adjusting nut to adjust the opening of the wings. (Fig 1)
2. Adjust the height adjusting screw in order to fit the master cylinder filler neck.
3. Make sure the adapter is securely connected on the master cylinder filler neck before connecting the adapter to brake service machines. (Fig 2)



KA-6873UN Universal Brake Refilling Adapter – Fastener Type

- Brake pressure bleeding adapter with a 90° rotating coupling fits almost all vehicles on the market.
- Fits master cylinder fill neck smaller than $\varnothing 39\text{ mm}$ / 1.5"
- Regular working pressure 1-2 bar / 14.5 - 29 psi

1	Bolt (2pcs)	Hex 16mm, M8 x1.25
2	Upper Plate	Thickness: 5mm/0.2"
3	Fluid Connector	90° Angle
4	Conical Rubber	Material: EPDM
5	Lower Plate	Thickness: 4mm/0.16"
6	Nuts (2pcs)	OD $\varnothing 25\text{mm}$, M8 x 1.25



Instruction:

1. Place the lower plate on the master cylinder reservoir's filler neck (Fig.1)
2. Place the conical rubber on the master cylinder reservoir's opening (Fig 2)
3. Insert the upper plate and the bolts on the reservoir (Fig 3)
4. Fastens the nuts on the bolts until both nuts reach the lower plate.
5. Make sure the adapter is securely connected on the master cylinder reservoir (Fig 4)
6. Performing a low-pressure leak test is recommended before refilling brake fluid with high pressure.





KA-6873EU Brake Filling Adapter Set

- Adapter kit for fitting brake master cylinder caps to introduce brake fluid connected from brake service machines.
- Includes 3 specific adapters and 1 universal adapter with a fastening chain.
- E20 adapter with a 90° extension hose and free rotation feature provides unrestricted access to limited spaces.
- E20 extension hose made of brake fluid resistant materials.
- Used standard European shop air connector for easy connect ability.

Parts No.	Size	Application
1	Ø78.1mm	Universal application with chain fastener
2	Ø33mm	Chrysler, Ford Explorer, Hyundai, Mazda 6, Subaru
3	M79.5 x P3.0	Mitsubishi, Pronto, Nissan Gasoline, Subaru, Suzuki, Volvo S40 and V40
4	M46.5 x P 3.5	European Vehicles, Ford C-Max, Fiesta, Focus, Galaxy, S-Max

Brake Bleeder Adapter Set



KA-6873



KA-6873N



- Designed for applications on master cylinder reservoirs from 2001 to 2021.
- Covers at least 92% of all the common vehicles on the market.
- Adapters with a standard European air plug type, suitable for most pressure bleeding tools or machines on the market.
- Most adapters have a swivel 90° fitting to tackle limited space problems.

No.	Parts No.	Application	KA-6873	KA-6873N
1	KA-6873-P1	Toyota, Lexus (all models)	•	•
2	KA-6873-P2	Chevrolet, GMC, Ford, Hyundai, Kia, Mazda, Mitsubishi	•	•
3	KA-6873-P3	Honda, Acura (all models)	•	•
4	KA-6873-P4	European standard, Ford, and Nissan	•	•
5	KA-6873-P5	Mazda, Suzuki	•	•
6	KA-6873-P6	Nissan (Cube, Juke, Leaf, Micra, Versa)	•	•
7	KA-6873-P7	Chrysler, Dodge, Jeep, Ram, Mitsubishi (Raider)	--	•

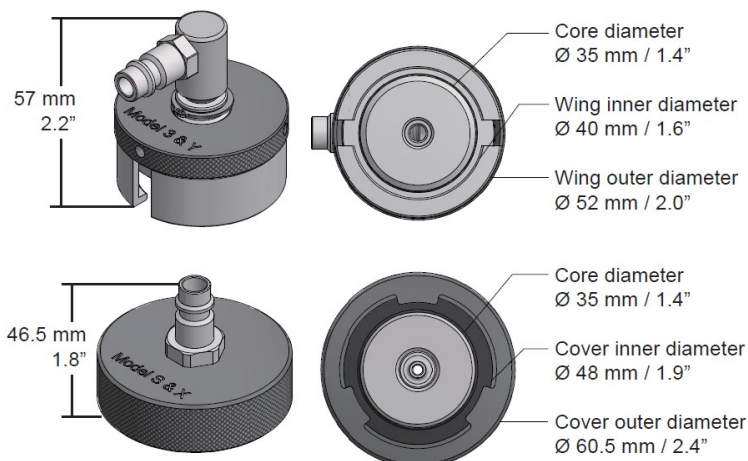
KA-6873T

Brake Bleeder Adaptor Set for TESLA

- Kit specially designed for performing power brake bleeding on Tesla vehicles.
- Adapters for Tesla Model S and X, Tesla Model 3 and Y.
- Metallic adapter holds pressure up to 2.5 bar / 36 psi.
- Compatible with most brake pressure bleeder machines or tank pumps

Application:

Model	Year	Adapter
Model S	2012 - 2021	Model S & Y
Model 3	2017 - 2021	Model 3 & Y
Model X	2015 - 2021	Model S & Y
Model Y	2020 - 2021	Model 3 & Y



Instruction:

1. Disconnect the 12-volt power before bleeding the brake system.
2. Remove the master cylinder reservoir cap.
3. Find a suitable adapter to connect on the reservoir
4. The pressure bleeding tool or machine to the adapter.
5. Follow the instructions as specified by the pressure bleeding tool and Tesla service manual.

* It is recommended to perform a leak test to ensure if the adapter is tightly and securely connected on the reservoir.



Fig. 1



Fig. 2 Locate the master cylinder reservoir



Fig. 3 Remove the reservoir cap



Fig. 4 Insert the adapter into the filler neck



Fig. 5 Close the adapter arms



Fig. 6 Turn the top cover to fasten



Fig. 7 Ensure the adapter is well installed



KA-9066 Brake Fluid Exchange Machine



Feature:

- Machine helps brake fluid exchange efficient and easy.
- Powered electrically - no air compressor required.
- Light weight (10 Kg), easy to carry around.
- Transparent front 2-liter tank makes brake fluid visible, LED lights included.
- Dimension: 32x31.5x44cm



Fig. 1

PREPARATION * *Powered Electrically, ubiquitous and reliable*

1. Connect funnel to fill port located on top of the machine.
2. Pour adequate amount of new brake fluid into the funnel.
3. Connect fill line connector to purge nipple (Fig. 1).
4. Connect power line to a power socket.
5. Press power button and activation button.
6. Turn on the fluid control valve and start purging air from the machine
7. Adjust the pressure regular from time to time to purge air from the machine thoroughly.
8. Purge air for about 1 to 2 minutes, or until no air bubbles visible in the tank.

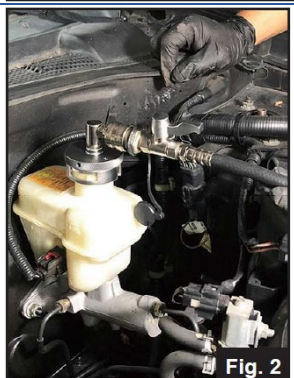


Fig. 2

LOW-PRESSURE LEAK TEST

1. Connect the adapter provided to master cylinder reservoir.
2. Connect the fill line connector to the adapter.
3. Turn on the power button and activation button.
4. Increase pressure to 0.5 bar or 7 psi, and run for 1 minute, and check if there are leaks around the adapter on master cylinder reservoir (Fig. 2).
5. Increase pressure to 1 bar or 14 psi, and run for another minute, and check leaks again.
6. Adjust the adapter if leaks are found and clean the leaked fluid immediately.



Fig. 3

PRESSURE BLEEDING * *Bleeding no bubbles*

1. When low-pressure leak test is performed and no leaks are found, turn the pressure regular clockwise to increase pressure to working pressure as suggested on the automotive manufacturer's manual(Fig. 3).
2. Follow the correct sequence for wheel cylinder bleeding, as specified by the automotive manufacturer's manual, and unfasten the bleeder valves one after another. Bleeding until no air bubbles visible on the soft tube of the waste fluid catch bottle (Fig 4), or the color of the bled brake fluid changes, suggesting new brake fluid is being pushed out.
3. When brake bleeding is done on four wheels, fasten the brake bleeder valves.
4. Turn off the pressure regulator, and turn off the machine.
5. Close the fluid control valve at the end of the fill line.
6. Check brake fluid level in the master cylinder reservoir and adjust to the correct level. Close the original cap.

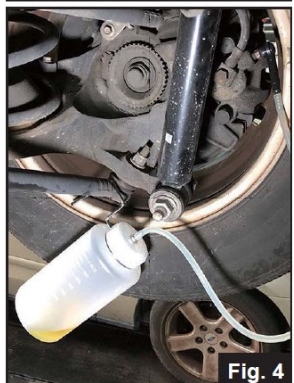


Fig. 4

KA-9066N Brake Fluid Exchange Machine

★ Special Pulsating effect cleans debris in the brake system.



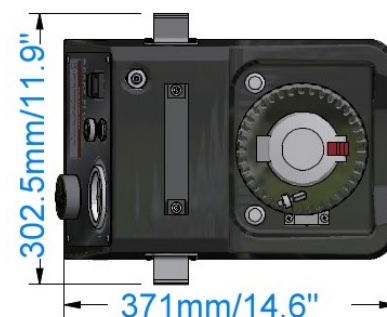
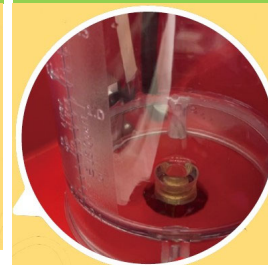
Unique transparent brake fluid resistant 2-liter tank does not become cloudy



Forced drain function enables the machine to service different brake fluid types



Auto shut-off function at low fluid level (200ml)



	Pulsating effect helps clean the debris from the brake system.		Self- purge function is included to prevent air bubble from being introduced into the brake system.
	Designed with a forced drain function so the machine can be used with different types of brake fluids.		Unique 100% transparent and brake fluid resistant 2 liter tank allows users to see the remaining brake fluid volume.
	Buzzer beeps when brake fluid runs low		All hoses and lines are made of brake fluid resistant materials- no "sweat" and no "leaks"
	Automatic shut-off design when brake fluid level goes below 200ml by a built-in electric level indicator. The machine will be reactivated automatically when brake fluid is refilled		Uses car battery as the power source, increasing working flexibility.
	Gauge reading from 0-7 bar/0-100 psi. Recommended maximum working pressure is 3.5 bar/50.7psi.		Total weight of the machine 7kg/15.4 lbs (without 2 liter brake fluid). Easy to carry around.

Air-Powered Fluid Extractor Set

Air Powered Vacuum creator extracts fluids in minutes

Conical pour spout prevents spill when discharging the fluid from tank

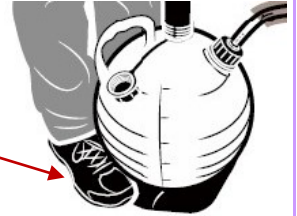
Brake fluid suction hose with a high quality brake bleeder valve adapter

6 Liter / 1.5 Gallon Tank for most oil & fluid in the vehicle

Special Anti-Dripping device prevents unsafe oil drips on the floor

- Designed for **Extracting Engine Oil, Brake Fluid, Coolant & ATF.**
- 6 Liter / 1.5 Gallon Tank capacity suitable for most fluids in the car.
- High Quality Translucent Tube for Inserting into Dipstick Tube.
- Provided with a **Brake Bleeder Valve Adapter for fast brake fluid extraction. (KA-6000BRL / KA-6000BR)**
- **Special Anti-Dripping device to prevent unsafe oil dripping on the working floor. (KA-6000BRL / KA-6000BRA)**
- Conical pour spout for spill-free waste oil discharge.

Unique base that you can step on to stabilize and secure the tank in place.



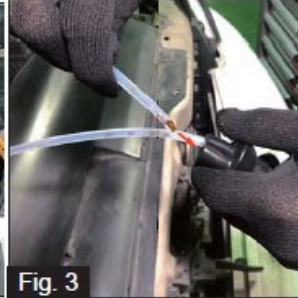
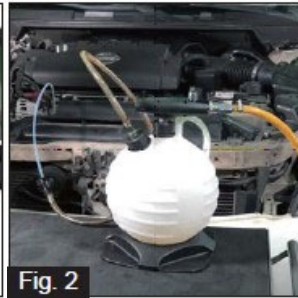
Engine Oil Extraction – Warm up the engine to working temperature (may range from 60-90°C/ 140- to 194°F).

Step 1: Remove the oil dipstick & compare the length to the translucent tube. (Fig. 1)

Step 2: Insert the translucent tube into the dipstick tube with the same length to the dipstick. Connect the tank to air compressor.

Step 3: Turn on the air valve and engine oil will be extracted accordingly. (Fig. 2)

Turn off the air valve, and remove the translucent tube from the engine when engine oil is fully extracted. Insert the tip of the translucent tube to the anti-dripping device to prevent residual oil in the tube dripping on the working floor. (Fig. 3)



Brake Oil Extraction

Step 1: Insert a suitable-sized box wrench onto the brake bleeder valve on wheel cylinder.

Connect the brake bleeder valve adapter to the brake bleeder valve. (Fig. 4)

Step 2: Connect the tank to air compressor.

Turn on the air valve & brake fluid will be extracted.

Turn off the air valve when extracted brake fluid color turns lighter, which indicates that the brake fluid is no longer the old brake fluid. (Fig. 5)



KA-6000BRL

- With Anti-Dripping device
- With Brake bleeder valve adaptor
- For Extracting Engine Oil, Brake Fluid, Coolant & ATF.



KA-6000BRA

- With Anti-Dripping device
- For Extracting Engine Oil, Coolant & ATF.



KA-6000BR

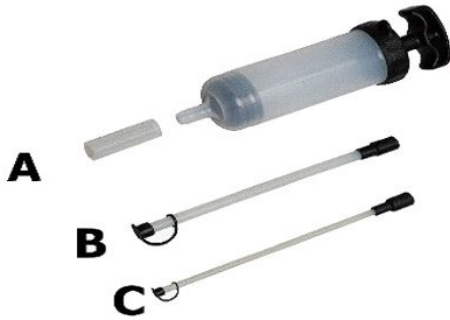
- With Brake bleeder valve adaptor
- For Extracting Brake Fluid.

KA-6850M Bendable Fluid Refill & Extractor – Manual Type

- Idea for smooth liquid transfer.
- High-quality hydraulic oil seals can keep air tight and prevent liquid leakage.
- The patented ergonomic design makes operation more easily.
- Provide 3 kinds of bendable tubes, suitable for extracting & replacing transmission fluid, power steering fluid, gear oil, brake fluid & antifreeze.
- The transparent body makes it possible to clearly see the flow of liquid during operation.
- A transparent tube cap is included to avoid leakage of residual fluid after operation.
- Net weight: 200g.

Specification:

A: Silicone Tube: 12 x 18 x 50mm
B: Nylon Tube: 7.6 x 9.8x 200mm
C: Nylon Tube: 4 x 6x 200mm



KA-7862 Pneumatic Brake Fluid Extractor

Simple, Economical, Versatile, Clean, Quiet, Stable!!

- Simple to use.
- Economical-Fast and Easy save labor.
- Versatile: Handle most Standard and ABS Brake systems.
- Clean: Collect old brake fluid without spillage.
- Quite: Integrated silencer for a quieter working environment.
- Stable: The large tank is less likely to tip over.
- meter Silicone hose with universal rubber adaptor that fits most vehicle brake fluid bleeder fitting.

Specification:

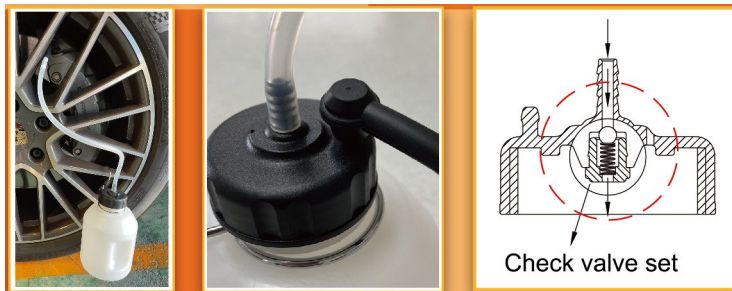
Air Inlet: 1/4"
Working Pressure Range: 40-120PSI
Avg. Air Consumption: 2cfm
Max. Capacity: 1000cc



KA-7861 Non Power Brake Fluid Receiver

Check-Valve in the Cap !

- Easy and Simple way to collect the old brake fluid.
- Check Valve is installed on the cap.
- 40cm Silicone hose with universal rubber adaptor that fits most vehicle brake fluid bleeder fittings.
- Max Capacity: 1000cc



KA-7192P 1 Liter Brake Bleeder

- Easy to use, Convenient, Competitive prices.
- Cap and Spout made of plastic.
- Capacity: 1000cc (1 liter)



KA-7858

**Cordless Electric Oil Extractor Set
with Rechargeable Battery**



KA-7859

**Electric Oil Extractor Set
with 12V Alligator Battery Clips**



- * Transparent Tank 5.5L
- * Auto Shut-Off System
- * Extension Tubes: 3 sizes
- * Air Compressor not Needed

Provided with 3 extension tubes

OD 4 mm

OD 6 mm

OD 8 mm



Auto Shut-Off Easy Cleaning



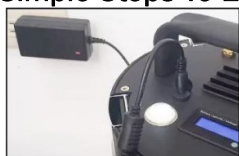
- Special level detection mechanism that shuts off the pump automatically when fluid level reaches to 4.3L to prevent the tank from being overfilled
- Tank capacity: 5.5 liter / 5.8 quart. Special materials that can be made transparent, heat resistant and suitable for extracting engine oil, coolant, and ATF
- Extension tubes with outer diameters in Ø 4mm, 6mm, 8mm, suitable for oil dipstick tubes on different car makes
- Total tube length 2,700 mm / 8.9 ft (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 avoid wobbling.



See Through

Start extracting oil simply by switching on the button	No need the energy-consuming air compressor	Unique see-thru transparent tank. Keep its opacity even.	Tank lid detached easily for cleaning
Level Sensor shut off the machine to prevent over-extracting	See-thru tube storage system to inspect the residue oil level	Total tube length 1800mm/5.9ft. Suitable for SUV's, Pickups, light trucks.	

Simple Steps To Extract Engine Oil



Step 1: Recharge the battery (KA-7858)



Step 1: Connect to 12V battery (KA-7859)



Step 2: Warm up the engine



Step 3: Remove dipstick



Step 4: Choose a suitable tube



Step 5: Insert the tube to dipstick



Step 6: Connect to main tube



Step 7: Turn on the extractor



Step 8: Oil can be extracted



Step 9: Discharge oil from tank

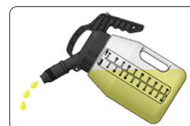
KA-7863 Fluid Drum With A Pour Spout (5 liter / 5 US Quart)

The Pour Spout made with a **turn lock** and an **air release button** for pouring easily and dust-free storage.

- Translucent container for storing and transporting fluids, such as **engine oil, brake fluid, gear oil, or coolant**. **Caution:** NOT SUITABLE for use with solvents or fuels
- Capacity: 5 liter or 5 US quart.
- Handles on lid and drum are for easy transporting and pouring.
- Provided with a label for identification purposes.



Air-Release Button
Air release button for easy pouring



Turn-Lock Pour Spout
Lid with a pour spout with a turn lock dust-free storage

CLOSED



OPEN



Easy to open the lid



Other Color of Spout

KA-7863 Black Spout



KA-7863-SE Blue Spout



KA-7863-SG Green Spout



KA-7863-SR Red Spout



KA-7863-TK 3pcs Extension Tube Set for Fluid Drum

- Flexible extension tubes can be attached to fluid drums for easy pouring to reach the Hard-to-Reach filling point!
- A great replacement for funnels.
- Spout covers included to avoid containments or dusts.
- Braid-reinforced PVC tube: outer diameter 26mm(1") & inner diameter 19 mm(3/4").
- Extension tubes can be purchased individually.
- Content: KA-7863-TS, KA-7863-TM, KA-7863-TL



KA-7863-TS Length: 160mm	KA-7863-TM Length: 300mm	KA-7863-TL Length: 500mm



KA-3060
Disc Brake Piston Spreader
 Capacity: 0 ~ 65mm(0~2-1/2")



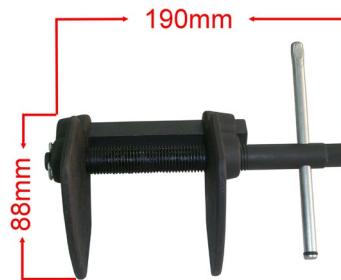
KA-3060A
H/D Disc Brake Piston Spreader
 Capacity: 0~70mm(0~2-3/4")



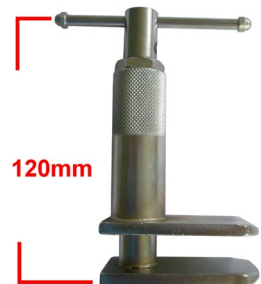
KA-5135
Disc Brake Piston Spreader
 Capacity: 0~70mm(0~2-3/4")



KA-4042 **Disc Brake Separator - Wide Type**
 Open size: 14 ~ 86mm
 Blade Size: W x D 88 x 57mm



KA-6676
H/D Disc Brake Spreader
 Capacity: 0~87mm(0~3- 1/2")



KA-6847
Disc Brake Spreader
 Capacity: 0~48mm(0~1-7/8")



KA-2042 Rear Brake Caliper Reset Tool

- Excellent profile for easy insertion into the thin brake caliper such as Cabrio Corrado, Golf Jetta, Beetle and Passat
- Lever fixture provides handy rotation, Additional Hex-end of the pivot for 12mm socket (not included) provides solution for ragged situation
- Triangular shaped pin allows perfect engagement to the wind-back piston of the caliper
- Pivot thread pitch is the same as the wind-back piston of the caliper
- Centering press plate attached

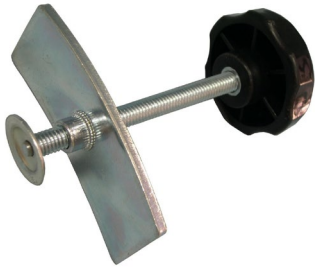


KA-4418 Universal Brake Caliper Tool

- Capacity: 0~92mm(0~3 5/8")
- The tool is designed to provide a applicable way for the most 1,2,3,4,6,8 pistons brake caliper service work that includes Mercedes-Benz S-Class, BMW 7-series, Porsche, Racing Cars...etc
- It is easy to use and maintenance free

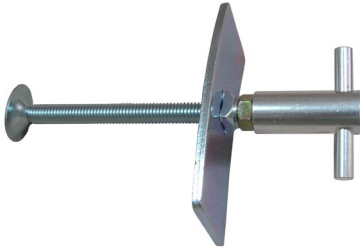
Removing and installing disc brake pads

1. Raise the car and support on jack stands. Remove the wheels.
2. Remove brake pads retaining springs and brake pads.
3. Use the tool to push piston into caliper housing.
4. Depress brake pedal firmly several times to seat brake pads. Check brake fluid level and add as necessary. The remainder of installation is the reverse of removal.



KA-3005 Disc Brake Pad Spreader

- Quick compresses brake pistons for easy pad replacement.
- Suits front disc brake applications on most vehicles.
- Pushes the caliper piston back on disc brakes that do not have the parking brake mechanism as part of the disc brake caliper.



KA-3005A Disc Brake Pad Spreader

- For installing pads on most domestic and import cars and light trucks.
- Makes changing pads an easy job.
- Tool compresses disc brake piston for easy pad installation.



KA-2119 Universal Disc Pad Spreader

- Works on most single piston calipers
- Works on the following dual piston applications: ford f250, f350, f450 trucks, gm lumina, cutlass, regal, and grand prix
- Works on & off the vehicle
- Heavy-duty (3/16") pushing plate designed to be long-lasting
- When installing threaded rod. End caps must face direction of raised side of plate



KA-6939 Caliper Pressure Tool (FOR M.BENZ)

Universal tool for pressing caliper pistons back into caliper housings. Due to the construction of this tool which incorporates high-precision hardened cylinder and piston, together with a built-in axial bearing, the highest precision allows easy function to press-back the pistons into the caliper.



KA-3041 Disc Park Brake Caliper Tool

Use for: FORD, AUDI, SAAB, VW

- New designed tool body & all disc.
- All h/d magnetic socket adapter
- A comprehensive kit for both push-back & wind-back disc brake piston service applications on 'collete' type brake assemblies.
- Essential for brake pad replacement & caliper servicing
- Enables necessary pressure to be applied to return piston into housing & provide clearance for new pads to be fitted.
- Kit comprises, main body/screw assembly.



Instruction:

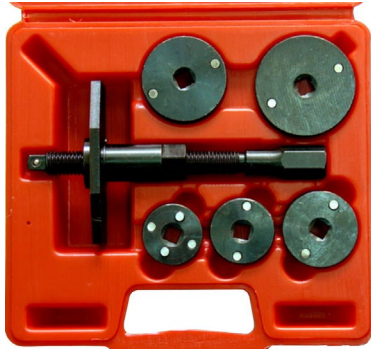
1. Remove the old brake pads.
2. Select the proper adapter and install it onto the 3/8" hex on the center screw.
3. Place tool in the caliper. Turn the holding collar counter-clockwise until the holding plate pushes against the caliper and the adapter pins seat against the pistons. Do not over-tighten the center screw causing the piston to be hard to turn.



KA-6425 Brake Caliper Piston Tool

- A comprehensive kit for both push-back & wind-back disc brake piston service applications on 'COLLETE' type brake assemblies.
- Essential for brake pad replacement & caliper servicing
- Enables necessary pressure to be applied to return piston into housing & provide clearance for new pads to be fitted.

Kit comprises, main body/screw assembly, special locating plate & 5 adapters covering wind-back type FORD, ROVER, HONDA, MERCEDES, TOYOTA, VW-AUDI, NISSAN, BMW, MAZDA, MITSUBISHI, PEUGEOT, SUBARU.



KA-6714K Disc Brake Caliper Tool

DISC SIZE	REPAIR PART	APPLICATIONS
1-1/2"	11-1	(Narrow Pins) MOST HONDA, MAZDA, DODGE CONQUEST, MITSUBISHI, SUBARU & 1-1/2" GENGARAL MOTORS.
1-1/2"	11-2	(Wide Pins)MOST FORDS, TOYOTAS, FIERO & SUBARU
1-5/8"	11-3	MOST NISSAN, SUBARU,DATSUN & FORD
1-7/8"	11-4	GENERAL MOTORS 1-7/8" PISTONS
2-1/8"	11-5	GENERAL MOTORS 2-1/8" PISTONS
2-1/2"	11-6	GENERAL MOTORS 2-1/2" PISTONS

INSTRUCTION:

1. Remove the old brake pads.
2. Select the proper adapter and install it onto the 3/8" square on the center screw.
3. Place tool in the caliper. Turn the holding collar counter-clockwise until the holding plate pushes against the caliper and the adapter pins seat against the pistons. Do not over-tighten the center screw causing the piston to be hard to turn.
4. Use a 1/2" ratchet to turn the center screw until the piston bottoms in its bore.

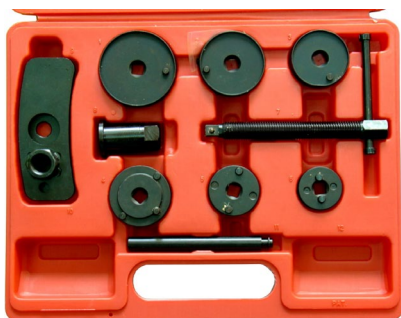
NOTE: Consult your shop manual for pistons turning direction.



KA-4276 11pc Brake Piston Wind Back Kit

11pc comprehensive brake caliper wind back kit designed for brake pad replacement and caliper servicing. Suits most popular vehicles including: audi, ford, gm, honda, mazda, mitsubishi, nissan, saab, subaru & toyota. Ideal set for brake specialists, independent motor workshops, panel shops and franchise dealerships.

- (1) Forcing screw body
- (2) Forcing plate
- (3) Stepped adaptor push-back: BMW, GM COMMODORE, NISSAN, MITSUBISHI, HONDA, VW, TOYOTA, JAGUAR, MERCEDES.
- (4) Drive adaptor wind-back: FORD FALCON XB, XC, XD, FAIRLANE ZJ, LTD FC GM HOLDEN HJ HX, HZ
- (5) Driver adaptor wind-back: FORD FALCON EA, EB, FAIRLANE NA, NB, LTD DA
- (6) Driver adaptor wind-back: FORD FALCON XE, XF, FAIRLANE ZK, LTD FD
- (7) Driver adaptor wind-back: MITSUBISHI MAGNA TM, TN NISSAN PULSAR
- (8) Driver adaptor wind-back: NISSAN PINTARA, SKYLINE
- (9) Driver adaptor wind-back: MITSUBISHI STARION, SCORPION, GALANT, LANCER, FORD TELSTAR, LASER, MAZDA 323, 626
- (10) Driver adaptor wind-back: ALFA,, FIAT, FORD, HONDA, MAZDA, SAAB
- (11) Driver adaptor wind-back: AUDI, FORD, NISSAN, PEUGEOT, ROVER, TOYOTA, VW



KA-7189 Universal Disc Brake Wind Back Tool Kit

- Precision made adapter plates with thrust bolt assembly and reaction plate.
- Works on brake caliper to push back pistons and provide clearance for new brake pade installation.



KA-3948 Brake Piston Readjusting Set

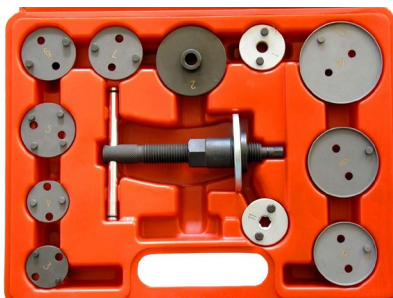
- To readjust, push or turn the brake pistons on floating caliper systems with or without locking device for hand brakes.
- Thrust bearing avoids damaging of the dust boot.
- With additional outside hexagon s 13 mm for flexible application of operating tools, e.g. reversible ratchets.
- Universal application - suitable for all common vehicle types.

	d (mm)	Pins d1 (mm)	
KA-3948-1			Basic device
KA-3948-2	30	5	Adapter with 4 pins HONDA/SAAB
KA-3948-3	30	6	Adapter VW-AUDI, inside hexagon 12mm
KA-3948-4	32	6	Adapter with 2 points FORD Focus, SMART for four OPEL Zafira, Astra, Astra G, Corsa GSI
KA-3948-5	35	5	Adapter with 2 pins AUDI 80 B4
KA-3948-6	55	5	Adapter with 2 pins VW-AUDI



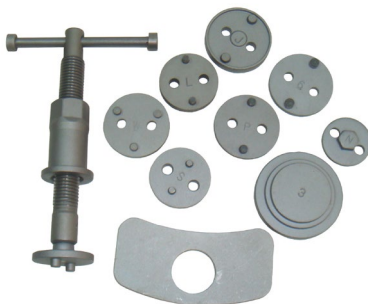
KA-4001K Disc Park Brake Caliper Tool Kits

- Four wheel disc brake adapter tool. Fits 1-1/2" pistons. Usable two ways: one side fits GM, Honda, Mitsubishi, Mazda, Dodge Conquest and Subaru; other side fits Ford, Pontiac Fiero, Subaru and Toyota
- Fits 1-11/16" pistons on Subaru, Nissan, Datsun, and Ford thunderbird
- Fits GM 1-7/8" pistons
- Fit GM 2-1/8" pistons
- Fit GM 2-1/2" pistons



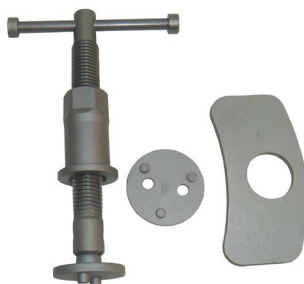
KA-7310K 13pcs Disc Brake Pad & Caliper Service Tool Kit

- Magnetic socket adapter
- Includes 10 adapters for brake assemblies
- For rotating pistons back into the caliper to provide clearance for the new pads
- Prevents damage to the piston and boot
- Kit comes complete in blow molded storage case
- Designed for use with MERCEDES, BMW, VOLKSWAGEN, GM, AUD FORD, HONDA, SUBARU, NAZDA, NISSAN, MITSUBISHI, TOYOTA, land rover and 4-wheel drive vehicles



KA-6969 10pcs VW Brake Caliper Wind Back Adaptor Set

- 1pc- Right handle helix bolt
- 1pc- Pad
- 1pc- No. 3 brake adapter
- 1pc- No. 6 brake adapter
- 1pc- No. J brake adapter
- 1pc- No. L brake adapter
- 1pc- No. N brake adapter
- 1pc- No. P brake adapter
- 1pc- No. S brake adapter
- 1pc- No. W 3 pin brake adapter



KA-6970 3pcs VW Brake Adapter

- 1pc- Right handle helix bolt
- 1pc- Pad
- 1pc- No. W 3 pin brake adapter



KA-4271
15pcs Universal Caliper Wind Back Kit



KA-4272
18pc Disc Brake Caliper Tool Kit



KA-2808A 21pcs Universal Caliper Wind Back Kit

Repair Part / Applications		KA-4271	KA-4272	KA-2808A
0	GM most 2-1/2" diameter pistons (Seville/Eldored 79)	●	●	●
	Square Holder	●	●	●
	Semi-Circle Holder	--	--	●
1-1	Right Hand Helix Bolt	●	●	●
1-2	Left Hand Helix Bolt	--	●	●
2	Citroen/XM, Xantia. (F/R)	●	●	●
3	Audi (F). FIAT/Alfa Romeo (F). Ford/Fiesta (F). ISUZU (F). HONDA/Concesto (F.) Jaguar/XJ6,XJ40 (F/R). BMW/318is, 320i, 325TD, 518i, 525i &1x, 740i, 850ci, M5. (F). Mercedes Benz/190,200, 300, 420, 560 series (F). Mitsubishi/Concesto (F). NISSAN/Mlera, Stanza, Sunny (F). Rover/Austin, Metro, 200 & 400 series, Maestra, Montego (F). TOYOTA/Camry (F). Volvo (F). VW/Passat, Golf GTI (F).	●	●	●
4	FORD Australia/NZ Telstar, Laser(R). MAZDA (R). SAAB 9000 (R). FIAT/Alfa Romeo 1642.0 (R). HONDA/Prelude, CRS 16i, GM/Saturn (R). GM/Grand Prix, Lumina.	●	●	●
5	3/8" dr. Adapter used with extention bar and ratchet when need to apply more strength to the piston.	●	●	●
6	NISSAN, PRIMERA, VW/GolfIV.	●	●	●
7	Audi/80, 90, V8+100, Coupe E(R). Rover/800 ABS. SUBARU L+Z(R). FORD/Sierra ABS, Granada, Scorpio ABS 85(R). NISSAN/Bluebird 1.8 Turbo, Silvia Turbo, Primera 2.0i LS/GS/GSX(R). PEUGEOT/405 1.9 Gi, Gri, Sri, Gtxi, MI 16, 605 2.0 Sri(R). TOYOTA/Celica, Corolla GT MR2(R). VW/Golf Gti, Jeta Synchron, Jetta Gti 16v, Passat CL, GL, GT and GT 16v, Corrado 16V scirocca GTX 16V(R).	●	●	●
8	GM most 1-7/8" diameter pistons.	●	●	●
9	GM most 2-1/8" diameter pistons. (CADI Seville/Eldorad 80-85).	●	●	●
A(Z)	Renault/R21, Laguna (Rear Disk).	●	●	●
M	Ford Motors Mini Cooper.	●	●	●
N	SAAB. Honda.	●	●	●
F(G)	Opel (Rear disk)	●	●	●
E	NISSAN Maximas	--	●	●
K	Citroen	--	●	●
K1	Citroen	--	--	●
K2(M2)	Citroen	--	--	●



KA-2807 5pcs Universal Caliper Wind Back Kit

1 : LEFT HAND HELIX BOLT

K : Citroen

K1 : Citroen

K2 : Citroen

K3 : Citroen/Renault



KA-2714 Air Power Brake Caliper Wind Back Tool

- Designed to make disc brake services faster and energy saving.
- This tool is available to use on left thread / right thread wheel cylinder piston of brake system.
- The pneumatic powered tool is able to push the piston in the wheel cylinder of brake system backward by simply pressing a button.

Operation:

1. Choose an adapter suitable for working on the brake caliper piston. Fit it onto magnetic adapter ①. Connect the tool to the compressed air line, making sure that it does not exceed 8 bar pressure (Fig. 1).
2. Press the release button ⑤ and operate lever to move the piston axle ④ forward or backward and fit the tool onto the caliper.
3. Press pressure button ③ and rotating lever ② to wind back brake piston (Fig. 2).
4. After pushing the piston backward, press release button ⑤ and pull rotating lever ② to move the push piston axle backward for dismounting the tool from caliper (Fig. 3).



Fig. 1

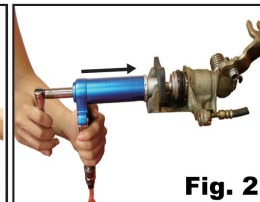


Fig. 2

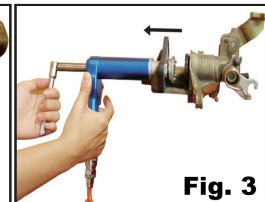


Fig. 3

PATENTED:
TAIWAN / CHINA / U.S.A. / GERMANY



KA-2714K

(With 15pcs Brake Pads)



KA-2714K1

(With 17pcs Brake Pads)



KA-2714K2

(With 21pcs Brake Pads)



KA-2714KC

Nylon Housing Lighter Weight
(With 15pcs Brake Pads)

Repair Parts / Applications:

	KA-2714K / KA-2714KC	KA-2714K1	KA-2714K2
2: Citroen/XM, Xantia. (F/R)	•	•	•
3: Audi (F). FIAT/Alfa Romeo (F). Ford/Fiesta (F). ISUZU(F). HONDA/Concesto(F). Jaguar/XJ6. XJ40(F/R). BMW/318is. 320i, 325TD, 518i, 525i & 1x, 740i, 850ci, M5.(F). Merceze Benz/190, 200, 300, 420, 560 series (F). Mitsubishi/Colt (F). NISSAN/Miera. Stanza, Sunny(F). Rover/Austin. Metro, 200 & 400 series, Maestra, Montego(F). TOYOTA/Camry(F). Volvo (F). VW/Passat, Golf GTI (F).	•	•	•
4: FORD Australia/NZ Telstar, Laser (R). MAZDA(R). SAAB 9000 (R). FIAT/Alfa Romeo 1642.0 (R). HONDA/Prelude, CRS 16i, GM/Saturn (R).	•	•	•
5: 3/8" dr. Adapter used with extention bar and ratchet when need to apply more strength to the piston.	•	•	•
6: NISSAN, PRIMERA, VW/Golf IV	•	•	•
7: Audi/80, 90, V8+100, Coupe E(R). Rover/800 ABS. SUBARU L+Z(R). FORD/Sierra ABS, Granada, Scorpio ABS 85(R). NISSAN/Bluebird 1.8 Turbo, Silvia Turbo, Primera 2.0i LS/GS/GSX(R). PEUGEOT/405 1.9Gi, Gri, Sri, Gtxi, MI 16,605 2.0 Sri(R). TOYOTA/Celica, Corolla GT, MR2(R). VW/Golf Gti, Jeta Synchro, Jetta Gti 16v, Passat CL, GL, GT and GT 16v, Corrado 16V scirroca GTX 16V(R).	•	•	•
8: GM most 1-7/8" diameter pistons.	•	•	•
9: GM most 2-1/8" diameter pistons.	•	•	•
0: GM most 2-1/2" diameter pistons.	•	•	•
A(Z): Renault/R21, Laguna (Rear Disk).	•	•	•
E: NISSAN Maximas.	•	•	•
M: Ford Modeo	•	•	•
N: SAAB, Honda	•	•	•
F(G): Open (Rear disk)	•	•	•
K: Citroen	•	•	•
K1: Citroen	--	•	--
K2(M2): Citroen	--	•	--
W: Pasat VW	--	--	•
B1: Ford	--	--	•
B2: Lveco Daily	--	--	•
B3: BMW	--	--	•
B4: BMW	--	--	•
B5:Mini / BMW	--	--	•



KA-6966 40pcs Universal Caliper Wind Back Kit

2- Citroen BX(83), 16V(88-), Honda Prelude 2.0i, 23
 3- Audi A3 (A4, A6, A8 push-back pistons), BMW-most models(push-back pistons), Citroen XM, XM Turbo CT20, Xantia 1.8i-1.90 & TD-2 QI-2Q 16S (93-94), Activa, Citroen C5 rear calipers push j back pistons, Ford(USA) Mercury, Monarch, Thunderbird, Honda-most models (push-back pistons), Jaguar j most models (push-back pistons), Mitsubishi most models (push-back pistons), Nissan-most models(push-back pistons), Peugeot 406, 806, Rover-most models (push-back pistons), Toyota-most models(push-back pistons), Volkswagon-most modles(push-back pistons), Volvo-most models.
 4- Alfa Romeo 164 2.0 1, Fiat Uno Turbo ie-Barchetta, Ford Escort 2000RS 16V, Rover 220 C Turbo (95), Saab 99L, 900 Turbo(74-81) 900 (81-87),
 6- Jaguar S Type
 7- Jaguar S series (99-), Opel Astra G, Corsa C, Zafira (with Lucas TRW rear caliper sj02-)
 8- GM Motots
 9- GM Motors
 0- GM Motors Disc-Citroem ZX 2.QI 16V, Citroen most models(push-back pistons), Citroen XM, XM Turbo CT 2.0,Xantia 1.8i-1.90 & TD-2 QI-2 16S(93-94), Activa Citroen BX(83), BX 16V (88-), Citroen C3, Citroen C5 (front caliper-left hand wheel), Citroen C5 (front caliper-right hand wheel), Citroen C5 rear calipers push-back pistons.
 11- Jaguar S Type
 12- BMW Mini
 A- Nissas Primera 2.0, Opel Astra C Zafira (with Bosch rear calipers), Vauxhall Astra G.Zafira

B- Ford(USA) Mercury, Monarch, Thunderbird Lincoln Continental Subaru 1600 Kombi (79-) 1.6-1.8 SRX, Kombi(79-83), 1800(84), 1800 Lim, Kombi, Turismo 4WD (82-83), 1800GT, GTSXT, Turbo(85)

G- Fiat Stib

C- Nissan Primera (02), Opel Vectra 02-, Toyota Avensis

D- Citroen BX(83), BX 16V(88-)

E- Nissan Maximas

F- Peugeot 206j03

J- Alfa Romeo 155 1.8-2, 01 164TD(93), 164 3.0 V6(91), Audi 80, 90 & V8jS, A3, A4, A6, A8 (rear caliper), Citroen ZX 2.QI 16V, Fiat Tipo TD 16V, Uno Turbo(85)-crama TD, Ford Sierra (ABS back), Granada(85-), Ford(Australia & NZ) Thunderbird Turbo.Honda CRX 1.6i-16V(88-90), Accord 1800(84-85), 2.0i(86). Prelude 16V(88-), Legend V6, Jaguar XJ 40 Series, Lancia Dedra 2.0 Ei Tur(93), Delta 1.6Gti(92), The majE 16V(92), Thema 2000 Turbo, Kapa 2.0-2.4LS, 2.4TD, Nissan 280 ZX(82-84), 300 ZX Turbo(84-89), Bluebird 16V(89-), Silvia 1.8 Turbo(85-88) 100NX 2.0(93), Primera 2.0GT(94-), 200 SX Turbo 16V Maxima 2.0 GX(95), Peugeot 306, Peugeot 309Gtj 16S(91), 405 Srif Q,rj, Gil(87-), 405 M.I 16V, Renault Master Van, Rover 216 Gti 16V, 820 Si 2,0 (93), 825 SD 2.5(93), Saab 9000 CS 2,0(93), Lbiza 1,8 Gti 16V(95), Subaru Lserie & Serie 2,Volkswagon Passat 2.0 & 2.2 Litre(84), Golf Rallye(89), Golf II Gti 16V(89), Vento GT(92), Transporter T4 + A60, Volvo S40 & V40

K- Citroen C5 rear calipers push-back istons

K1- Citroen C5 (front caliper-left hand wheel), Citroen C5(front caliper-right hand wheel)

K2- Audi A8, S8 (99-)

M- Nissan Primera 03-

N- Alfa Romeo 164 2.0 Twin Spark 2.0 Turbo (8-), 3.0 V6, Audi 200 (80-), Coupe GT SE (82-), 80, 901 QO, 200, Quattro(87-), 90.20V(88-), Ford Mondeo 2.0 Ghia, Lancia Themaalte (86-), Volkswagon Golf II GTI(83-87), Scirocco 16V(84)

P- Citroen C3

R- Ford (Australia & NZ) Telstar, Laser.Mazda 323 Gti, GTX (86-), 929 (82-), RX7(81-), 626 16V(87-), 626 GT(86-), 929 V6 (88-), Mitsubishi Galant GL Si, Toyota Celica, Corolla GT, MR2

S- Audi 100 TQi(91), BMW 740i 8cyl. (91), Lancia Delta 1.9 TD (95), Proton 416, Renault-most Models, Renault Laguna 2.0(94), Laguna 2.2D(95), Safrane 2.0-2.2 TD V6, Rover 623 Si, Volkswagon Golf Gti MK III & IV. Passat VR6, Vento GT(92)

Z- BMW Mini H6-BMW-most models (push-back pistons), BMW 740i 8cyl. (91), BMW Mini Vauxhall Astra G.Zafira

H7- BMW-most modles(push-back pistons), BMW 740i 8cyl.(91), BMW Mini, Vauxhall Astra G.Zafira

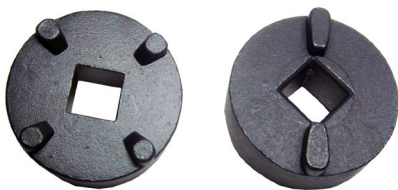
P3.0- Opel Astra C Zafira (with Bosch rear Calipers), Opel Astra G, Corsa C, Zafira(with Lucas TRW rear calipersj02-) Opel Vactra 02-Vauxhall Asra G.Zafira

P5.5- Opel Astra C Zafira (with Bosch rear calipers), Opel Astra G, Corsa C, Zafira (with Lucas TRW rear calipersj02-) Opel Vactra 02-Vauxhall Asra G.Zafira

1PC- Pentagon Brake Socket: 1/2" dr. x 19m/m, for use on Bendix Brakes

1PC- Pentagon Brake Socket: 1/2" dr. x 14m/m, for use smart car

1PC- Pentagon Brake Socket: 1/2" dr. x 10m/m, for use on Girling Brakes



KA-2934 Brake Caliper Adjusting Adaptor

- Pushes back brake piston for brake pad replacement
- Suits most cars



KA-4371 Disc Brake Caliper Tool (1/2" Drive)

Quickly retract rear disc brake caliper pistons with these individually designed sockets. Essential tools for efficient disc pad installation. Suits: Ford Falcon-EA, EB, ED. Fairlane-NA. LTD-DA



KA-6968
35pcs Brake
Caliper Wind Back
Adaptor Set



KA-6968A
37pcs Brake Caliper
Wind Back Adaptor
Set

2	Citroen XM, XM Turbo CT 2.0, Xantia 1.8i - 1.90 & TD - 2.0QI-2.0 16S (93-94), Activa; Honda Prelude 2.0i 2.3i
3	FIAT/Alfa Romeo(F), ISUZU(F). Mercedes Benz/190,200,300,420,560 series(F). Audi A3 (A4,A6,A8 (push-back pistons)); BMW- most models (push-back pistons); Citroen most models (push-back pistons); Citroen C5 rear calipers push-back pistons; Ford (USA) Mercury, Monarch, Thunderbird; Honda- most models (push-back pistons); Jaguar- most models (push-back pistons); Mitsubishi most models (push-back pistons); Nissan- most models (push-back pistons), Peugeot 406, 806; Rover- most models (push-back pistons); Toyota- most models (push-back pistons); Volkswagen- most models (push-back pistons); Volvo- most models.
4	FORD Australia/NZ Telstar, MAZDA(R). SAAB 9000(R), Lumina, TOYOTA, FIAT 164 2.0(R), Alfa Romeo Prelude/ CRS 16i, HONDA Saturn(R)/ Grand Prix, GM
5	3/8" dr. Adapter used with extension bar and ratchet when need to apply more strength to the piston.
6	NISSAN, PRIMERA, VW/Golf IV. Jaguar S Type
7	Audi/80,90, V8+100, Coupe E(R). Rover/800 ABS. SUBARU L+Z(R). FORD/Sierra ABS, Granada, Scorpio ABS 85(R). NISSAN/Bluebird 1.8 Turbo, Silvia Turbo, Primera 2.0i LS/GS/GSX(R). PEUGEOT/405 1.9Gi,Gri,Sri,Gtxi, MI 16,605 2.0Sri(R). TOYOTA/Celica, Corolla GT, MR2(R). VW/Golf Gti, Jeta Synchro, Jetta Gti 16v, Passat CL,GL,GT and GT 16v, Corrado 16V Scirocca GTX 16V(R). Saab 9000 Jaguar S series (99-); Opel Astra G, Corsa C, Zafira (with Lucas TRW rear calipers '02-);
8	GM most 1-7/8" diameter pistons.
9	GM most 2-1/8" diameter pistons. (CADi Seville/Eldorad 80-85)
0	GM most 2-1/2" diameter pistons. (Seville/ Eldored 79)
A (Z)	Renault/R21, Modus, Laguna (Rear Disk). BMW Mini
B	Ford (USA) Mercury, Monarch, Thunderbird; Lincoln Continental; Subaru 1600 Kombi(79-), 1.6-1.8 SRX, Kombi ('79-'83), 1800; ('84), 1800 Lim, Kombi, Turismo 4WD ('82-'83), 1800GT, GTS; XT, Turbo ('85)
C	Mini Austin; Nissan Primera (02); Opel Vectra 02-; Toyota Avensis
D	Renault; Citroen BX ('83-), BX 16V('88-);
E	NISSAN Maximas. Cefiro
F (G)	Opel (Rear disk); Fiat Stilo
H	Peugeot 206 CC/Hdi/Gti. A16mm Spanner is required with wind back pistons;
J	Fiat Tipo TD 16V, Uno Turbo(85) Crama TD, Honda CRX, Alfa Romeo 155 1.8-2.0i, 164 TD (93), 164 3.0 V6 (91); Audi 80, 90, & V8's, A3, A4, A6, A8 (rear calliper); Citroen ZX 2.0i 16v; Fiat Tipo TD 16V, Uno Turbo (85-), Crama TD; Ford Sierra (ABS bak), Granada (85-); Ford (Australia & NZ) Thunderbird Turbo; Honda CRX, 1.6i-16V (88-90), Accord 1800 (84-85), 2.0i (86-), Preludi 16V (88-), LegendV6; Jaguar XJ 40 series; Lancia Dedra. 2.0 Ei Tur(93), Delta 1.6 Gti. (92), The. majE 16v(92), Thema. 2000 Turbo. Kappa 2.0-2.4LS, 2.4TD; Nissan 280 ZX (82-84), 300 ZX Turbo (84-89), Bluebird 16V (89-), Silvia 1.8 Turbo (85-88) 100 NZ 2.0 (93), Primera 2.0 GT (94), 200 SX turbo 16V, Maxima 2.0 GX-3.0 GX (95); Peugeot 306; Peugeot 309 Gti 16S (91), 405. Srif Q. rj, Gil (87-), 405 M.I 16V; Renault Master Van; Rover 216 Gti 16V, 820 Si 2.0(93), 825 SD 2.5 (93); Saab 9000 CS 2.0(93), 9000 CSE Turbo(93); Seat Toledo GT. 16V-GT 2.0(93), Lbiza 1.8 Gti 16V(95); Subaru Lserie & Serie 2; Volkswagen Passat 2.0 & 2.2 Litre(84), Golf Rallye (-89), Golf II Gti 16V(89-), Vento GT (92), Transporter T4; Volvo S40 & V40
K	Citroen C5
K1	Renault; Citroen C5 (front caliper-left & right hand wheel)
K2 (M2)	Citroen, Renault, Audi A8, S8 (99-);
L	Audi, BMW, Ford, Lancia, Proton, Renault, Rover, VW; Citroen C3
M	Ford Motors, Mini Cooper; Nissan Primera 03
N	SAAB. Honda; Alfa Romeo 164 2.0 Twin Spark, 2.0 Turbo (88-), 3.0 V6; Audi 200(80-), Coupe GT SE(82-), 80, 90, 1Q0,200, Quattro (87-), 90, 200V(88-); Ford, Mondeo 2.0 Ghia; Lancia Themaalte (85-); Volkswagen Golf II GTI (83-87), Scirocco 16V(84)
P	VW. Nissan Premira 2.0 Bluebird; Opel Astrac Zafira (with Bosch rear Callipers); Vauxhall Astra G. Zafira
Q	Subaru, Alfa Romeo 164 2.0 1; Fiat Uno, Turbo ie-Barchetta; Ford Escort 2000RS 16V, Mondeo. V6 24v; Honda Civic Vti.-CRX-Accord, Concerto S 1.6; Rover 220 Cturbo (95); Saab 99L, 900 Turbo (74-81), 900 (81-87).
R	Ford (Australia & NZ) Telstar, Laser; Mazda 323 Gti, GTX (86-), 929 (82-), RX7 (81-) 626 16V (87-), 626 GT (96-), 929 V6 (88-); Mitsubishi Gatant GLSi; Toyota Celica, Corolla GT, MR2
S	Audi 100 TQi(91); BMW 740i 8 cyl. (91); Lancia Delta 1.9 TD (95); Proton 416; Renault-most models; Renault Lagunaa 2.0(94), Laguna 2.2D (95), Safrane 2.0-2.2TD V6; Rover 623 Si; Volkswagen Golf Gti Mk III & IV, Passat VR6, Vento GT(92)
T	Renault/ R2 1, Modus
V	Renault Clio
W	VW, Passat (2005-)



KA-6967-LR
Right & Left Hand Helix Bolt
Can used with KA-6968 / KA-6968A



KA-6967-HOLDER
Rectangular Holder



KA-6967-LH Left Hand
- Ford, Citroen, Renault



KA-6967-RH Right Hand
- All other vehicles

KA-6967 Brake System Repair Kit (Brake caliper wind back tool set & brake bleeder tube)

1. Brake Caliper Wind Back

Instruction:

- Step 1: Choose a suitable brake caliper adapter, and then put it on the front side of right / left helix bolt.
- Step 2: Roll the lever clockwise, move and push the adapter into the fillister of the brake caliper.
- Step 3: When the work is done, and then simply roll the lever anticlockwise to remove the helix bolt.

Application:

- 1-1: Right hand helix bolt
1-2: Left hand helix bolt
2: Citroen/XM, Xantia. (F/R)
3: Audi(F). FIAT/Alfa Romeo(F). Ford/Fiesta(F). ISUZU(F). Honda/Concesto(F). Jaguar/XJ6, XJ40(F/R). BMW/318is, 320i,325TD,518i,525i & 1x,740i,850ci,M5.(F).Nissan/Miera, Stanza, Sunny(F). Rover/Austin, Metro, 200 & 400 series, Maestra, Montego(F). Toyota/Camry(F). Volvo(F). VW/Passat, Golf GTI(F).
4: Ford Australia/NZ Telstar, Laser(R). Mazda(R). SAAB 9000(R). Fiat/Alfa Romeo 1642.0(R). Honda/Prelude, CRS 16i, GM/Saturn(R). GM/Grand Prix, Lumina.
5: 3/8" dr. Adapter used with extension bar and ratchet when need to apply more strength to the piston.
6: Nissan, Primera, VW/Golf IV.
7: Audi/80,90,V8+100, Coupe E(R). Rover/800 ABS. Subaru L+Z(R). Ford/sierra ABS, Granada, Scorpio ABS 85(R). Nissan/bluebird 1.8 Turbo, Silvia Turbo, Primera 2.0i LS/GS/GSX(R). Peugeot/405 1.9GI, Gri, Sri, Gtxi, MI16, 605 2.0 sri(R). Toyota/Celica, Corolla GT, MR2(R).VW/Golf Gti, Jeta Synchro, Jetta Gti 16v, Passat CL, GL, GT and GT 16v, Corrado 16v scirroca GTX 16V (R).
8: GM most 1-7/8" diameter pistons.
9: GM most 2-1/8" diameter pistons. (CADI Seville/Eldorad 80-85).
O: GM most 2-1/2" diameter pistons. (Seville/Eldored 79).
A: Renault/R21, Laguna (Rear Disk).
M: Ford Motors Mini Cooper.
N: SAAB. Honda.
F: Opel (Rear disk)
E: Nissan Maximas.
K: Citroen



2.Single-Way Brake Bleeder Tube (simple way to release the remained brake oil)

Installment and operation:

- Step 1: Release the old brake oil as much as possible from the brake master cylinder.
- Step 2: Fill the new brake oil into brake master cylinder.
- Step 3: Before installment, please confirm the size of the small black rubber pipe which in copper adapter to fit the nozzle. As " Fig. B " shows that you could screw and separate No.2 copper adapter and install suitable black rubber pipe.
- Step 4: Install the single-way brake bleeder tube on the nozzle, connect No.2 copper adapter with No.1 nozzle.
- Step 5: Loosen the nozzle with hex wrench and release the pressure.
- Step 6: Press the pedal for few times and release remained old oil, repeat this step until the single-way brake bleeder tube shows light and clear oil. The work is done.

Remove the bleeder tube:

- Step 1: Turn and fasten the nozzle (No. 1) with hex wrench, remove the brake bleeder tube.
- Step 2: Clean the tube. Remove the long tube from the copper adapter (Fig. A - No.3) to release the remained oil from the long tube; and then, pull the steel release rod (Fig. C - No.4) to release the remained oil from the short tube. Keep the device into the product box.

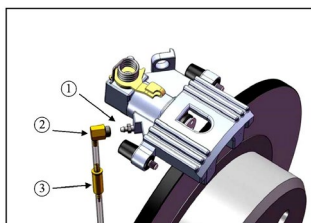


Fig. A



Fig. B

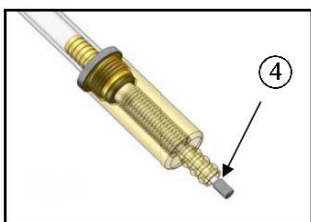


Fig. C



KA-6967A
Single-Way Brake Bleeder
With Bottle



KA-7262K 23pcs Brake System Repair Set

- Designed for push back and wind back broke piston.
- Provides both left-handed and right-handed thrust bolt assemblies.
- Left-handed thrust bolt required for Ford, Citroen and Renault applications.
- Prevents damaging pistons and seals.
- Include KA-6974 Universal Drum Brake Retaining Spring Pliers
KA-6975 Brake Spring Tool

0	GM most 2-1/2" diameter pistons (Seville/Eldored 79)		
2	Citroen	XM, XM Turbo CT 2.0 Xantia 1.8i - 1.90 & TD - 2.QI-2.Q 16S (93-94) Activa	
	Honda	Prelude 2.0 i 2.3 i	
3	FIAT/Alfa Romeo (F)	Jaguar	most models (push-back pistons)
	ISUZU (F)	Mitsubishi	most models (push-back pistons)
	Mercedes Benz 190, 200, 300, 420, 560 series (F)	Nissan	most models (push-back piston)
	Audi A3 (A4,A6,A8 (push-back pistons))	Peugeot	406, 806
	BMW most models (push-back piston)	Rover	most models (push-back piston)
	Citroen most models (push-back piston)	Toyota	most models (push-back piston)
	Citroen C5 rear callipers push-back pistons	Volkswagen	most models (push-back piston)
	Ford (USA) Mercury, Monarch, Thunderbird	Volvo	most models
	Honda most models (push-back pistons)		
4	FORD Australia/NZ Telstar, Laser(R)	Fiat	Uno, Turbo ie- Barchetta
	MAZDA(R)	Ford	Escort 2000RS 16v , Mondeo. V6 24v
	FIAT/Alfa Romeo1642.0(R)	Honda	Civic Vti.- CRX -Accord, Concerto S 1.6
	GM/Satur (R)	Rover	220 C turbo (95)
	GM/Grand Prix,Lumina	Saab	99L, 900 Turbo (74-81), 900 (81-87)
	Alfa Romeo 164 2.0 1		
5	3/8" adapter		
6	NISSAN	PRIMERA	
	VW	Golf IV	Jaguar S Type
7	Audi 80,90,V8+100, Coupe E(R)	VW	Golf Gti, Jeta Synchron, Jetta Gti 16v, Passat CL, GL ,GT and GT 16v, Corrado 16V scirocca GTX 16V(R)
	Rover 800 ABS		
	SUBARU L+Z(R)	Saab	9000
	FORD Sierra ABS, Granada, Scorpio ABS 85(R)	Jaguar	S series (99-)
	NISSAN Bluebird 1.8 Turbo, Silvia Turbo, Primera 2.0i LS/GS/GSX(R)	Opel	Astra G, Corsa C, Zafira (with Lucas TRW rear callipers '02-)
	PEUGEOT 405 1.9Gi,Gri, Sri, Gtxi, MI 16,605 2.0 Sri(R)		
	TOYOTA Celica, Corolla GT,MR2(R)		
8	GM most 1-7/8" diameter pistons		
9	GM most 2-1/8" diameter pistons		
A	Renault	R21, Modus, Laguna (Rear Disk)	
	BMW	Mini	
E	NISSAN	Maximas. Cefiro	
F	Opel (Rear disk)		
	Fiat Stilo		
M	Ford	Motors	
	Mini Cooper		
	Nissan	Primera 03	
N	SAAB	Audi	200 (80-), Coupe GT SE (82-), 80, 90, 1Q0, 200, Quattro (87-), 90, 20V (88-)
	Honda		
	Alfa Romeo 164 2.0 Twin Spark, 2.0 Turbo (88-), 3.0 V6	Volkswagen	Golf II GTI(83-87), Scirocco 16V (84)
	Ford Mondeo2,0 Ghia;		
	Lancia Themaalte (85-)		
W	VW		
K	Citroen	C5	
K1	Renault		
	Citroen	C5 (front calliper-left & right hand wheel)	
K2	Citroen		
(M2)	Renault		
	Audi	A8, S8 (99-)	

KA-6974 Universal Drum Brake Retaining Spring Pliers

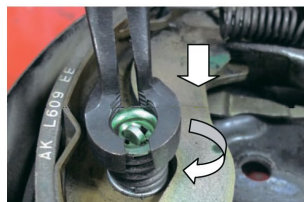
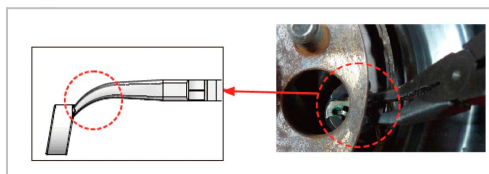
A new and innovative tool to make removal & installation of Drum Brake Retaining Spring a easy job!

KA-6974 features a curve neck and a max 50° opening angle tip, which can insert or go through onto the Retaining Spring without needing to remove the wheel. You can simply remove or install the Drum Brake Retaining Spring with one step!! Save you time and sweat!

Specification:

- Length: 180.5mm
- Material: steel
- Angle: 50°

How to Use:



1. hold the handle, clip groove the front ditch and rotation the tool



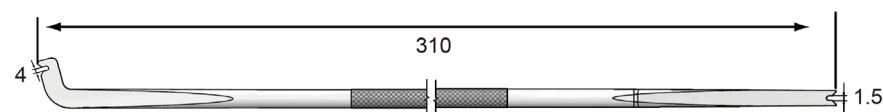
2. Remove/install the spring washer smooth

KA-6975 Brake Spring Tool

- Universal Application of both removal and installation for nearly all drum brakes.
- Wide angle application.

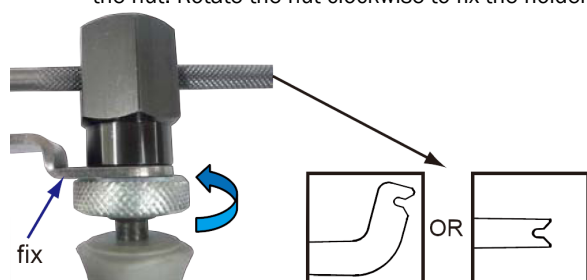
Feature:

- Length: 310mm
- Material: steel
- Heat treatment: HRC42° ~ 45°

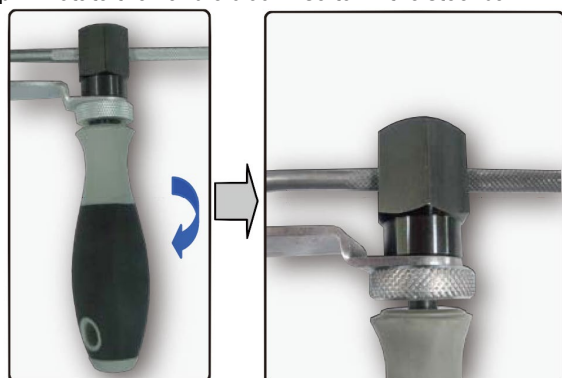


Tool Assemble

Step 1: Insert the steel bar through hex part and install it with the nut. Rotate the nut clockwise to fix the holder.



Step 2: Rotate the handle clockwise to fix the steel bar.



Operation

Removal:

Step 1: Hook the spring and fix it into the concave part.
Step 2: Hook tool handle and push the spring for removal.

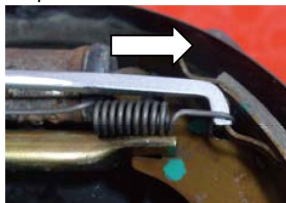


Fig.1: With angled bar

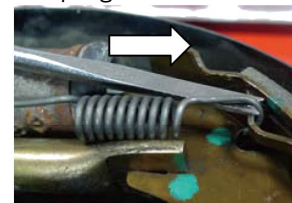


Fig.2: With straight bar

Installation:

Step 1: Hook the spring and fix it into the concave part.
Step 2: Hook tool handle and push the spring for installation.



Fig.1: With angled bar

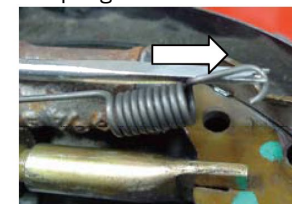


Fig.2: With straight bar



Single piston type

KA-6683



Dual piston type

KA-6783



Dual piston type
Wide Type

KA-4042K

Blade size: W88 x D57(mm)

Disc Brake Piston Spreader

KA-6683 KA-6783 KA-4042K

- Specially designed tool pushes out the brake caliper pistons (single piston type/dual piston type) and replaces the disc brake pad.
- Easy, Simple, One-Hand operation to disassemble the caliper.
- Labor-saving and time saving.
- Direct, straight pushing parallel movement to prevent piston damages.
- Turning the handle to adjust to various positions.
- Drawing back the lever to return the brake piston.
- Suitable to light weight vehicles to small trucks (2 Ton Class)
- Capacity: KA-6683 /KA-6783: 20-62mm
KA-4042K: 14~68mm

**** Warning:** This tool is not designed for "parking body type brake caliper"

Comparisons with other similar products:

- The handle type disc brake spreader takes only 12 seconds to retrieval the piston.
- A significant reduction in operations time.



KA-2068 Universal Caliper Piston Remover

- Quick change design for 3 sizes of adapter.
- Can easily take out the piston with assistant handle.
- Range from 25 ~ 35mm
- Adapter A. range from 35 ~ 45mm
Adapter B. range from 45 ~ 55mm



KA-5270 Rear Parking Brake Spring Tool for Toyota

Features and Benefits:

- Manufactured from special alloy steel and heat treated for optimum strength and durability
- Special tip is designed to engage the shoe hold down spring cup on Toyota vehicles

Applications:

- This application requires a smaller brake spring tool with more reach.
- The tip of this tool must fit through the access hole to engage the spring cup on 2000 and current Tacoma, Tundra, FJ Cruiser, 4Runner, Land Cruiser, and Camry vehicles.



KA-3727 Pneumatic Tool For Brake Piston & Wire Hose Clamp



(1) Brake Piston Wind Back Tool:

- The new drive tool in the form of a pneumatic spindle enables very comfortable easy work.
- Essential tool for retracting the brake piston to allow insertion of new brake pads.
- The rotation (left and right) can be adjusted by hand, quickly and easily.
- Brake Pad Range: 0~100mm
- The pad open jaw: 10~90mm

(2) Wire Hose Clamp Tool:

- Designed for replacement of fuel, oil and water hose and easy to working hidden areas and long distance.
- Useful for areas with difficult access.
- Allows for that often needed extra reach.
- For the removal and locking of clamps into open position.
- Flexible wire length: 650mm
- The clamp jaw: 0~50mm

Four Type:



Pneumatic disc brake separator



Pneumatic disc brake separator – Wide Type



Pneumatic brake piston wind back tool

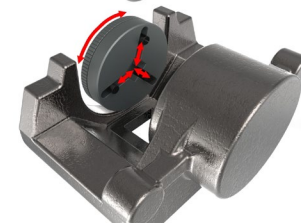
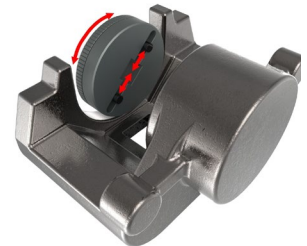


Wire hose clamp tool

KA-5317 Brake Caliper Rewind Tool Kit – Adjustable

- For rewinding the brake piston back into the caliper
- Adjustable adaptor fits most of vehicles.
- Innovative left and right screw thread that increases the number of vehicles.
- Pins will take up to 50Nm torque, replacement pins.

- Contents:
2 pins adjustable brake adaptor x 1
3 pins adjustable brake adaptor x 1
2 pins brake adaptor x 1
Reaction plate x 1
Two ways speedy brake adaptor driver x 1



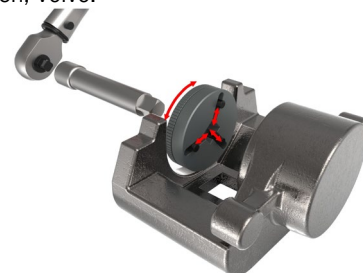
KA-5317-AD1 2 Pins Adjustable Brake Adaptor

- Includes magnetic 2 pins drive to 3/8" driver adaptor.
- Adjustable two pin adaptor fits most of cars.
- Applications include: Audi, BMW, Iveco Daily, Renault, Range Rover Evoque, Seat, Volkswagen, Volvo.



KA-5317-AD2 3 Pins Adjustable Brake Adaptor

- Includes magnetic 3 pins drive to 3/8" driver adaptor.
- Adjustable three pins adaptor only to be used with electronic park brake (EPB) tools.
- Applications: Audi, BMW, Iveco Daily, Renault, Range Rover Evoque, Seat, Volkswagen, Volvo.

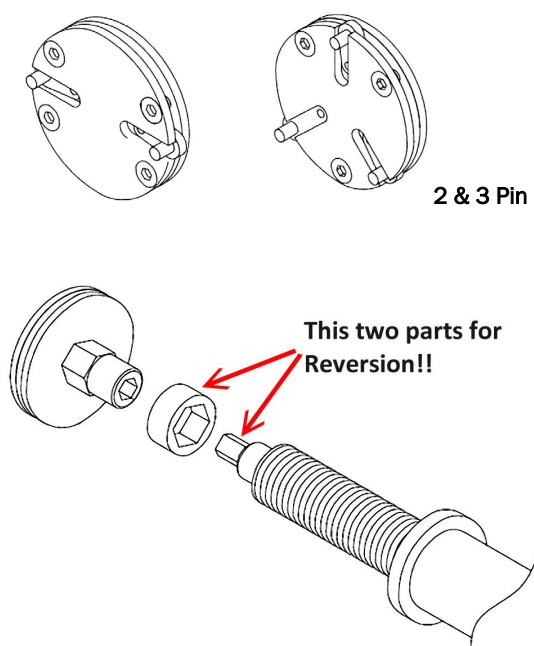




KA-5294 2 & 3 Pin Brake Wind Back Tool with Right & Left Spanner

- This tool kit allows you to rewind the pistons in brake calipers.
- It does this by allowing the rotation of the piston at the same time as pushing the piston back into the caliper.
- Spindles Spanner for right and left according to the Factory Operation.
- The correct parts to fit almost all cars including Alfa Romeo, Audi, Citroen, Ford, Honda, Jaguar, Land Rover, Mazda, Mercedes, Mini, Mitsubishi, Nissan, Lancer, TOYOTA, VW, VOLVO, VAUXHALL and others!
- Range: 20~35mm

You don't need to stock many adaptor anymore!!



The "Adjustable Brake Piston Rewind Back Tool" covers 80% ~ 90% of usage of traditional tool set.



KA-5294-AD1 3/8" DR. 2 & 3 Pin Brake Rewind Fit Adaptor



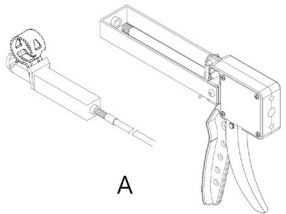
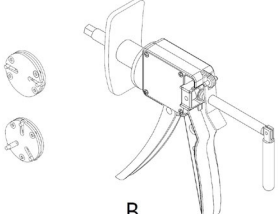
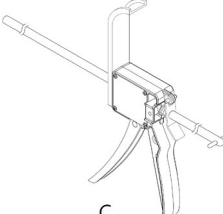
KA-5294-AD2 2 & 3 Pin Brake Rewind Fit Regular Adaptor

- This tool kit allows you to rewind the pistons in brake calipers.
- It does this by allowing the rotation of the piston at the same time as pushing the piston back into the caliper.
- Spindles Spanner for right and left according to the Factory Operation.
- The correct parts to fit almost all cars including Alfa Romeo, Audi, Citroen, Ford, Honda, Jaguar, Land Rover, Mazda, Mercedes, Mini, Mitsubishi, Nissan, Lancer, TOYOTA, VW, VOLVO, VAUXHALL and others!


KA-3751
3 in 1 2 & 3 Pin Brake Piston Rewind Back Tool Set

- Flexible Hose Clamp
- Brake Pedal & Throttle Pedal Depressor

Function:

A. Flexible Hose Clamp ■ Hose clamp tool reaches to the tightest of places where radiator hoses are located without having to guide with your hand. ■ Flexible rigid shaft holds position, and helps to obtain those difficult positions. ■ Locking arm to keep hoses locked in open position.	B. 2 & 3 Pin Brake Piston Rewind Back Tool Set ■ The ergonomic tool designed to push and wind back brake calipers. ■ Fast and simple , one hand used. ■ The adapters enable the tool to work on most common calipers. ■ Suitable for use on either way handed wind back calipers.	C. Brake Pedal & Throttle Pedal Depressor ■ This tool kit allowing any test that requires the brakes or throttle to be applied to be carried out by one person rather than two. ■ Attaches to steering wheel and depresses throttle pedal. ■ Quickly adjusts RPM to desired setting. ■ Saves time on air conditioning work, fuel injection cleaning, cylinder balance tests and tune-ups. ■ Tool is 750mm in overall length.
 A	 B	 C


KA-5317A Adjustable Brake Caliper Rewind Tool Kit

- For rewinding the brake piston back into the caliper.
- Adjustable 2 / 3 pin adapter & LH / RH screw thread for a wide variety of vehicles.
- Adjustable 2 pin adapter for hundreds of cars.
- Adjustable 3 pin adapter for electric park brake (EPB). (VAG, BMW, Volvo, Land Rover, Renault, Iveco, etc.)

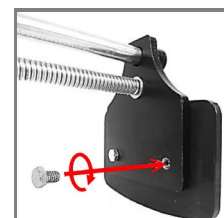


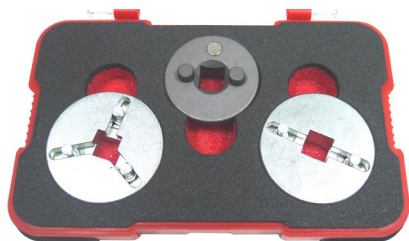
Complete 4 in 1 adjustable 2/3 pin & LH/RH thread


KA-3747 Disc Brake Spreader Kit (3 size)

The tool is designed to provide a applicable way for the most 1, 2, 3, 4, 6, 8 pistons brake caliper service work that includes Mercedes-Benz S-class BMW 7-series, Porsche, Racing cars.

- Plates size: 60 x 90mm, 125 x 78mm, 150 x 88mm
- Capacity: over 150mm (0-170mm)

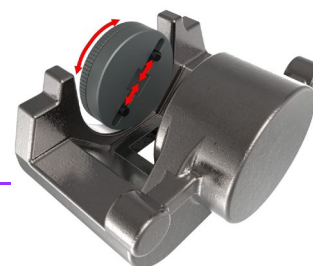




KA-3764 Adjustable Brake Adaptor Set

Contents:

- 2 pins adjustable brake adaptor x 1pc
- 2 pins brake adaptor x 1pc
- 3 pins adjustable brake adaptor x 1pc

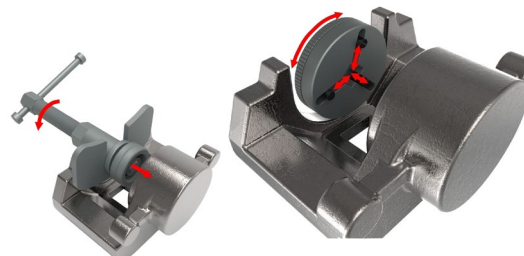


KA-3765

Universal Brake Piston Reset Discs

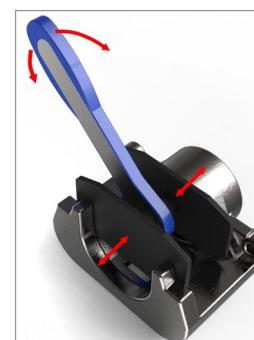
Contents:

- 3 pins adjustable brake adaptor x 1pc
- 2 pins adjustable brake adaptor x 1pc
- Pressure turn device x 1pc
- RH press spindle x 1pc
- LH press spindle x 1pc
- Reaction plant x 1pc



KA-3775 Brake Caliper Press

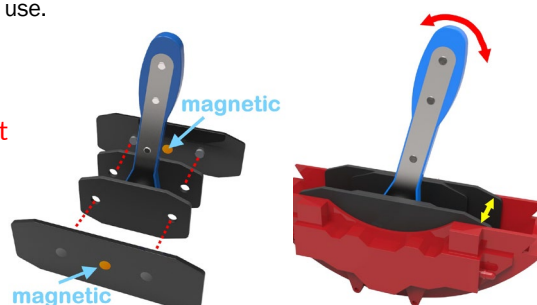
- Works on various single, dual & quad piston calipers.
- Centrally distributes force to prevent misalignment of pistons.
- 360 degree ratchet swing allows access at any angle.
- Extended reversing lever allows for easy change from spreading to retracting.
- Clips between 40mm and 68mm.



KA-3775-3 Brake Piston Spreader Set

- Gearless brake piston spreader kit with three pairs of spreader pads.
- Suitable for 1, 2, 4, 6 and 8 multi piston calipers.
- Gearless ratchet for ease of use.

Pad with magnet
and install easy



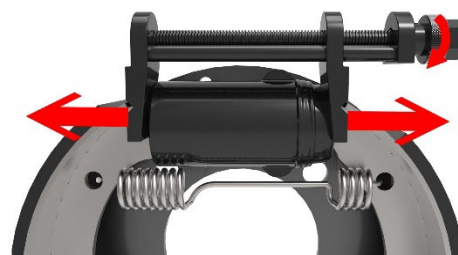
Pad size:

- 2 pcs 115mm x 60mm , for 1 & 2 pistons
- 2pcs 148mm x 60mm , for 4 pistons.
- 2pcs 177mm x 60mm , for 6 & 8 pistons.



KA-3805 Drum Brake Shoe Spreading Tool

- Adapt to 3/8" Dr. and 14mm Hex allowing use of a ratchet or spanner.
- Brake shoe spreader range 18mm to 105mm.
- Spreads and hold the brake shoes apart allowing removal of the brake cylinder, etc.
- Eliminates the need to remove the brake shoes or apply the handbrake.
- Eliminates the need to dismantle the brake shoe assembly leaving hands free to work





KA-2205 Dual Piston Press

- Dual Piston Press for operating press-in Single and Dual type brake calipers.
- Tool featuring all-in-one piece design, eliminating the uses of nuts and bolts during assemble and disassemble the brake.
- Durable, strong rugged design.
- Universal application on Cars, Light and Heavy Trucks.



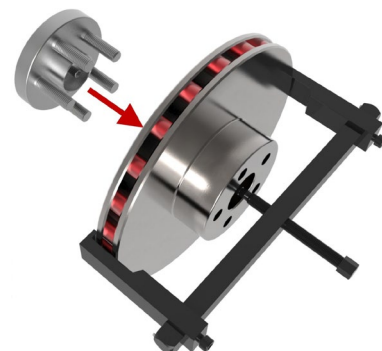
KA-2119N Universal Brake Pad Spreader

- Special design allows the tool to compress both pistons at once.
- Application: Single and Dual Piston Application.
- Suitable for Ford F150 & F250 & GM Front Wheel Drive vehicles.



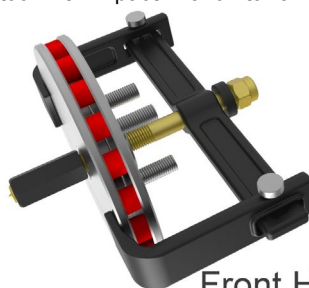
KA-2219 Brake Drum and Rotor Puller

- Puller extend to max 364mm.
- Easy One-Man operation to set the tool in place.
- Excellent for large components: Brake Drums, Rotors, Drive Wheels, Gears, Pulleys, Flywheels.



KA-2219L Heavy Duty Hub Drum and Rotor Puller Kit

- Three Different Hub Adapters to suit all types of Hub sizes.
- The Drum & Rotor pulling arms include raised stops. Use these with Ratchet Strap for difficult applications
- Use this tool with impact wrench to remove hubs, drums and brake rotor.



Front Hub Removal



Brake Drum Removal

KA-6847DL Disc Brake Piston Separator (for 4 Piston/8 Piston)

- The Average/Even Force is applied to the brake piston to ensure proper alignment and prevent damage to parts.
- Bearing is installed in the tube for easy operation and labor-saving.
- KA-6847DL includes 2 pcs- 175 x 60mm seats
- For use on the he brake pistons of four-piston/eight-piston cars.

Specification:

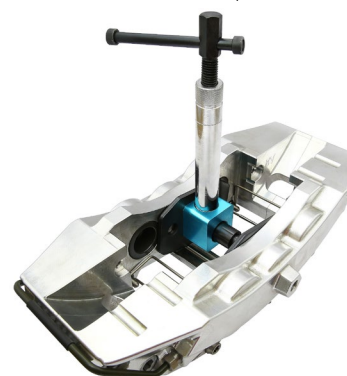
- Range: 0-100mm
- SEAT: 175 x 60mm
- Tube Length: 145-240mm
- Weight: 2.94 kg



KA-3840 Hydraulic Brake Caliper Tool

- For Floating Calipers fitted with single or twin piston.
- Also for Fixed calipers fitted with twin or quad 6,8,10 pistons.
- Rewinding the screw of hydraulic ram and Reset the Pad at same time, this function let you take out the tools from caliper easily and quickly.
- Centered Hydraulic ram evenly spreads the force in a parallel manner to prevent misalignment of the two pistons.
- Free Degree Swing Pad let you use the tool at any angle.

- Max. Spread: 36-73mm
- Pad Size: 90 x 60mm
150 x 60mm
180 x 60mm

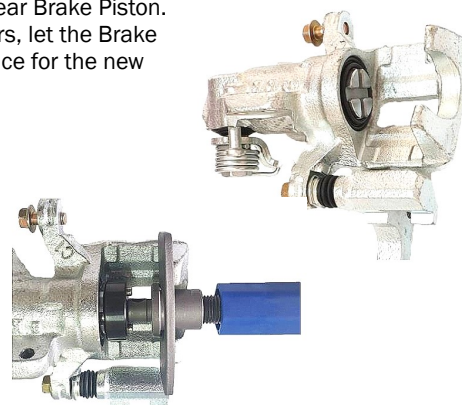


KA-5317B Brake Caliper Piston Rewind Kit for Tesla Rear Brake

- KA-5317B is designed to Rewind the Tesla Rear Brake Piston.
- Suitable for both Left & Right-Handed Winders, let the Brake Piston Return into the Caliper. Giving Clearance for the new Brake Pad.

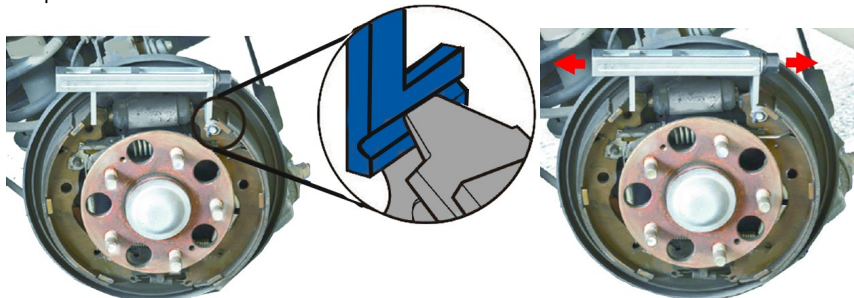
Content:

- 1 pc- Rotating Caliper with 3/8" Dr. (Right & Left Side Threaded allow)
- 1 pc - Backing Pads
- 2 pcs - Adapters for Brake Assemble



KA-5491 Drum Brake Shoe Spreader Tool

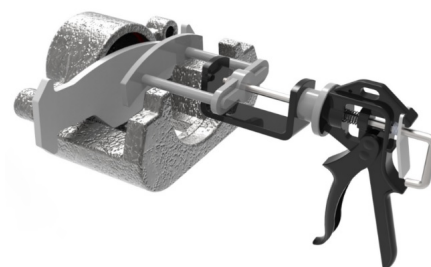
- Keep the Cylinder Safely: Spread the Brake Shoes and Hold the Brake Shoes Spread.
- No Need to Remove Shoes to Replace Cylinder or Apply the Hand Brake.
- Open Range of Brake Shoe Spreader : 25mm to 142mm.
- With Size: 3/8"Dr & 17mm Hex Bolt, this Design Allowing the Use of a Ratchet or Spanner.



KA-6997 Dual Piston Brake Caliper Compressor

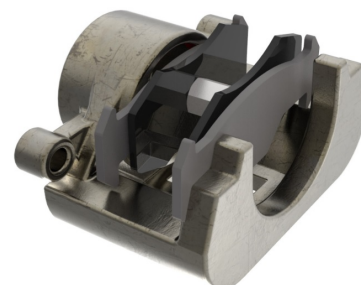
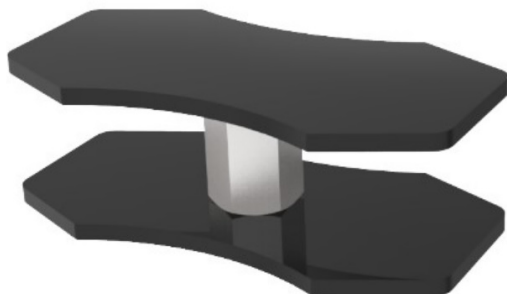
Compresses Brake Pistons in Seconds!!

- Simply Squeeze the handle and the fast-reacting plunger compresses disc brake pistons in split seconds.
- Let you replace the brake pad so easily!!

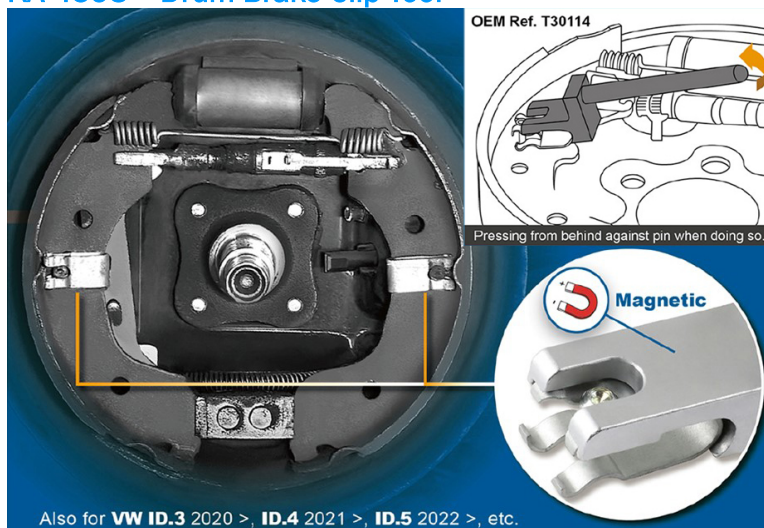


KA-5587 Universal Brake Pad Spreader

- Hex Shank gives 360 Degree access, even in confined or partially blocked space. Spread the caliper with ease!!
- KA-5587 brake pad spreader is made of "most" heavy duty steel plates.
- The pad distribute pressure evenly, spreading pads evenly to avoid damage to both pistons and seals during service.
- Compatible with most cars and trucks
- Use with ratchet for fast repairing and cost-saving.



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 >, VW ID.3 2020 >, VW ID.4 2021 >, VW ID.5 2022 >, 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.

KA-3272E Air Brake Piston Wind Back Tool

- Air operated ram applies pressure to the caliper piston, while the handle is rotated by hand
- Easy to use-works with normal workshop air supply.
- Used on wind back and push back pistons.
- Adjustable design fits most cars with 2 or 3 slotted wind-back caliper pistons.
- Works with 3/8" square adapter.

