

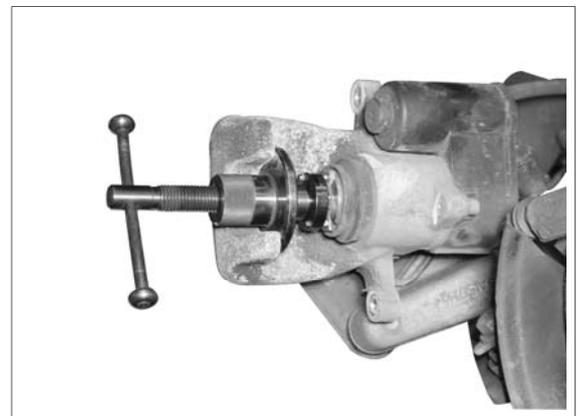
GEDORE

TOOLS FOR LIFE

Universal Brake Piston Push-Back/Wind-Back Kit



KL-0112-2..



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KL-0112-21 B

Universal



Fig. 1: **Wind back**

Depending on brake calliper design, turn clockwise or counter-clockwise.

Combination Ratchet Spanner with size (waf) 13mm, e.g. Gedore 7 UR 13

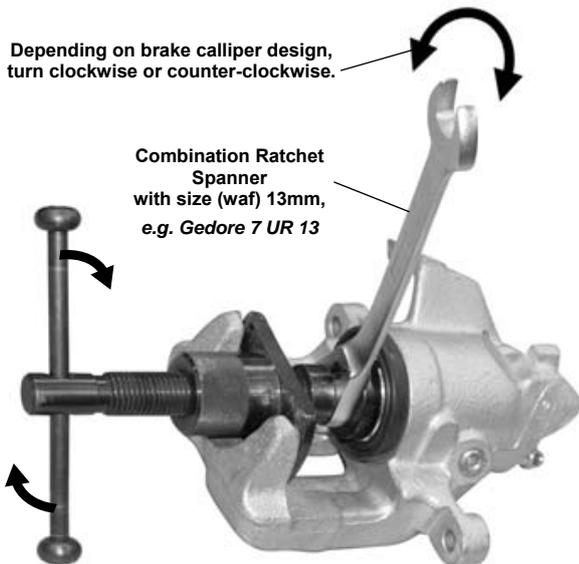
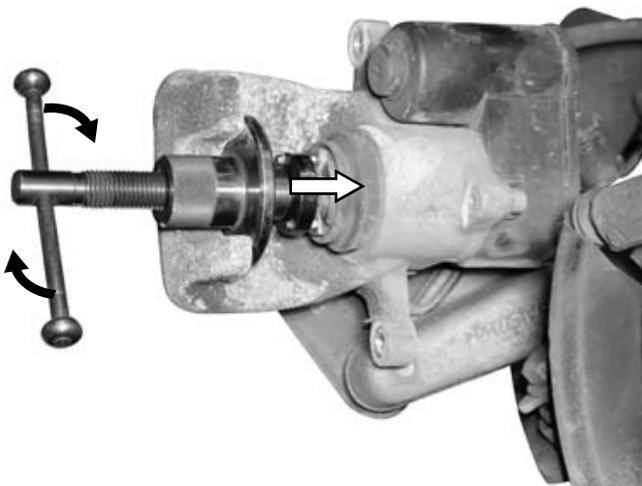


Fig. 2: **Push back (do not wind!)**



KL-0112-2.. Universal Brake Piston Push-Back/Wind-Back Kit

Universal applications, for example VW-Audi, BMW, Citroën, Fiat, Ford, Honda, Mazda, Mitsubishi, Nissan, Opel/Vauxhall, Peugeot, Renault, Seat, Škoda, Subaru, Toyota etc.

(Applicable to.. [See also enclosed application list])

Field of Application

The kit is designed for resetting (depending on application, pushing back or winding back) brake pistons in floating callipers both with and without integrated mechanical or electronic parking brake mechanism.

Technical Data

Overall length (without adaptor): 120mm
Max. working travel: 65mm
Storage case (LxWxH) : 235x220x76mm

Example of Use:

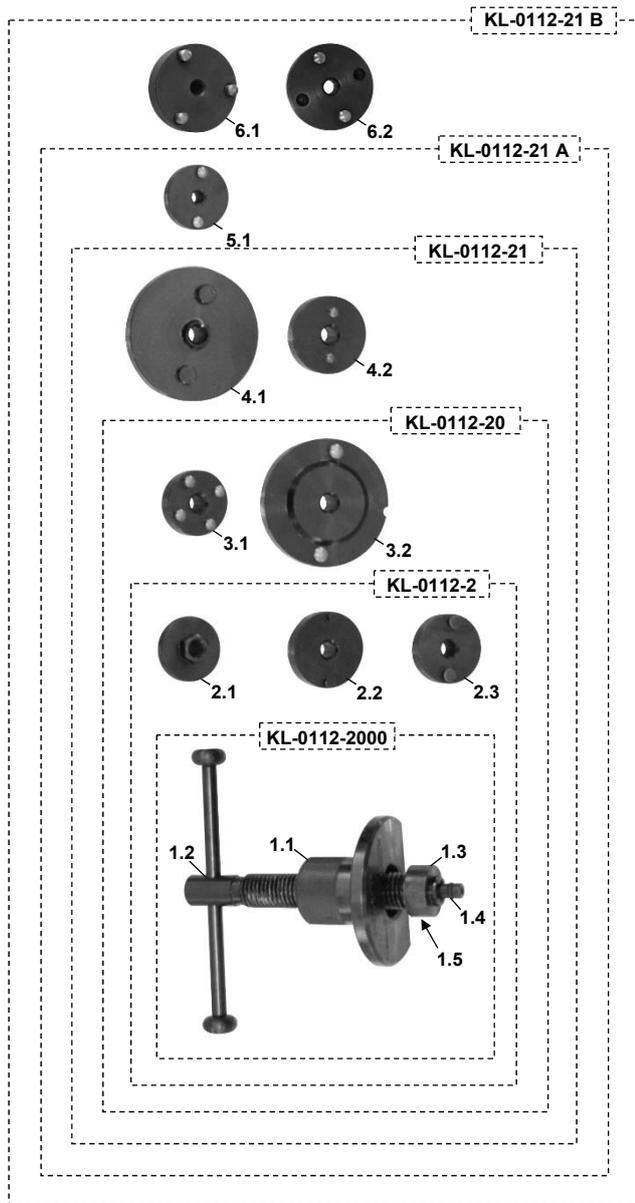
With brake callipers that need to be wound back:

1. Loosen and/or remove components/parts as necessary.
2. Check the brake fluid expansion tank to make sure that there is enough room for the brake fluid to return when winding back the brake piston.
3. Using a suitable adaptor, insert tool into brake calliper and secure it at the piston. Check to find out whether the piston needs to be wound back in clockwise or counter-clockwise direction.
4. Using a reversible 13mm (waf) combination ratchet spanner, such as **Gedore 7 UR 13**, turn adaptor until the piston has reached its initial position. At the same time, re-adjust spindle to prevent adaptor from slipping out of the piston lock (**Fig.2**).
5. Turn back spindle, remove tool and reassemble vehicle in accordance with the manufacturer's instructions.

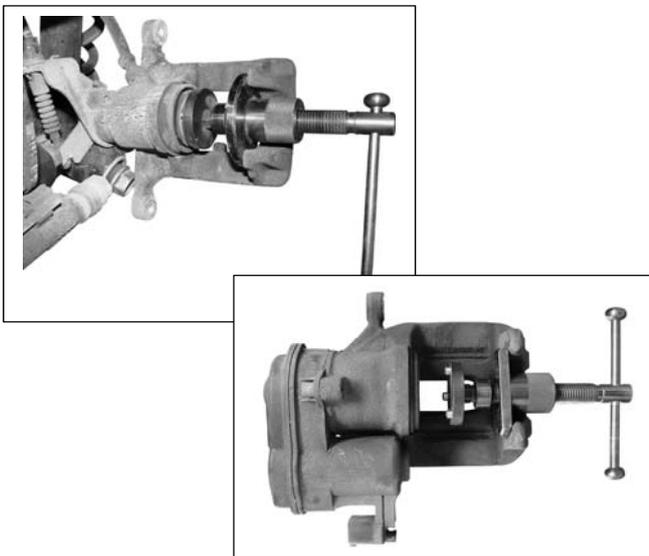
With brake callipers that need to be pushed back:

1. Loosen and/or remove components/parts as necessary.
2. Check the brake fluid expansion tank to make sure that there is enough room for the brake fluid to return when pushing back the brake piston.
3. Fit tool with suitable adaptor and insert it into brake calliper.
4. Push piston back into its initial position by turning the spindle. The built-in axial bearing prevents the piston from turning while being pushed back and, thus, damage to piston seals. At the same, it also reduces the effort required. (**Fig.3**).
5. Turn back spindle, remove tool and reassemble vehicle in accordance with the manufacturer's instructions.

Scope of Delivery



Examples of use:



Scope of Delivery

Pos.	Part No.	Description	Qty
-	KL-0112-21 B	Brake Piston Push-Back/Wind-Back Kit with 10 Adaptors, in a Storage Case	1
<i>composed of:</i>			
-	KL-0112-21 A	Brake Piston Push-Back/Wind-Back Kit with 8 Adaptors, in a Storage Case	1
6.1	KL-0112-0017	Adaptor, Size 17	1
6.2	KL-0112-0016	Adaptor, Size 16	1
-	KL-0112-21 A	Brake Piston Push-Back/Wind-Back Kit, with 8 Adaptors, in a Storage Case	1
<i>composed of:</i>			
-	KL-0112-21	Brake Piston Push-Back/Wind-Back Kit with 7 Adaptors, in a Storage Case	1
5.1	KL-0112-0015	Adaptor, Size 15	1
-	KL-0112-21	Brake Piston Push-Back/Wind-Back Kit with 7 Adaptors, in a Storage Case	1
<i>composed of:</i>			
-	KL-0112-20	Brake Piston Push-Back/Wind-Back Kit with 5 Adaptors, in a Storage Case	1
4.1	KL-0112-0013	Adaptor, Size 13	1
4.2	KL-0112-0010	Adaptor, Size 10	1
-	KL-0112-20	Brake Piston Push-Back/Wind-Back Kit with 5 Adaptors, in a Storage Case	1
<i>composed of:</i>			
-	KL-0112-2	Brake Piston Push-Back/Wind-Back Kit with 3 Adaptors, in a Storage Case	1
3.1	KL-0112-0009	Adaptor, Size 9	1
3.2	KL-0112-0008	Adaptor, Size 8	1
-	KL-0112-2	Brake Piston Push-Back/Wind-Back Kit with 3 Adaptors, in a Storage Case	1
<i>composed of:</i>			
-	KL-0112-2000	Brake Piston Push-Back/Wind-Back Base Tool	1
2.1	KL-0112-0006	Adaptor, Size 6, 12mm Hex Socket	1
2.2	KL-0112-0005	Adaptor, Size 2	1
2.3	KL-0112-0007	Adaptor, Size 1	1
-	KL-0112-2290	Plastic Storage Case	1
-	KL-0112-2000	Brake Piston Push-Back/Wind-Back Base Tool	1
<i>composed of:</i>			
1.1	KL-0112-2001	Housing	1
1.2	KL-0112-2002	Spindle with Toggle	1
1.3	KL-0112-2003	Thrust Bearing with Housing	1
1.4	KL-0112-2004	O-Ring, Ø4 x 1.8mm	1
1.5	KL-0112-2005	O-Ring, Ø6 x 1.8mm	1

Warnings and Notes

- Before test-driving the car, be sure to check brake pressure and braking effect.
Do not use force to push back brake pistons even if these are extremely seized in place.
- Any work on vehicles should only be performed by qualified specialist personnel observing and complying with the directions, provisions, and safety regulations specified by the vehicle manufacturer.
- Always refer to the vehicle manufacturer's data and instructions as only these apply to all work that is carried out on the vehicle.
- All vehicle-specific data stated herein are supplied under reserve and without commitment.

Accessories:

7 UR 13 - Reversible Combination Ratchet Spanner (not shown)
 With ring 13° offset from shaft, fine-toothed ring ratchet (72 teeth) and reverse lever.
 Made of chrome vanadium steel, finely sandblasted and chrome plated.
 Length: 171mm
 Size (waf): 13mm

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