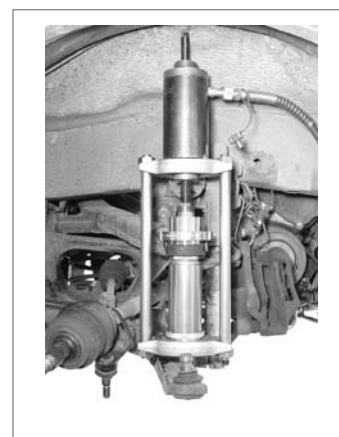


# GEDORE

TOOLS FOR LIFE



**KL-0039-710**



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KL-0039-710

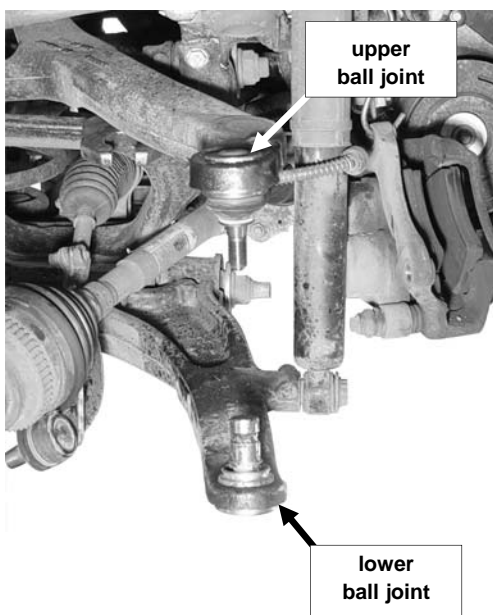


**Accessories:**

**KL-0215-35 M25 Hydraulic Hand Pump**



Fig. 1: Front axle wishbones



### KL-0039-710 Press Tool Set with hydraulic cylinder

Suitable for Renault Master II ('98 onwards) and Movano I ('98 onwards).

#### Field of Application

The Press Tool **KL-0039-710** in conjunction with the Hydraulic Pump **KL-0215-35 M25** or **KL-0215-37 M25** allows quick, professional and safe removal and replacement of **ball joints on the front upper and lower wishbone**.

This tool enables even heavily corroded ball joints to be pressed in and pushed out within a few minutes.

The removal of the upper or lower wishbone is not necessary.

#### Advantages

- Time savings of approx. 1 - 2 hours.
- Quick and easy ball joint pressing in and out.
- The hydraulic cylinder 17t. **KL-0040-2500** can be used universally on other **GEDORE Automotive** tools to exert thrust or compression force.

#### Technical Data

Inner length (Press frame):..... 275 mm  
 Inner width (Press frame): ..... 115 mm  
 Press frame max. load:..... 12 t  
 Hydraulic cylinder max. load: ..... 17 t

#### Accessories: KL-0215-35 M25 Hydraulic Hand Pump

**Needed for driving the hydraulic cylinder KL-0040-2500.**

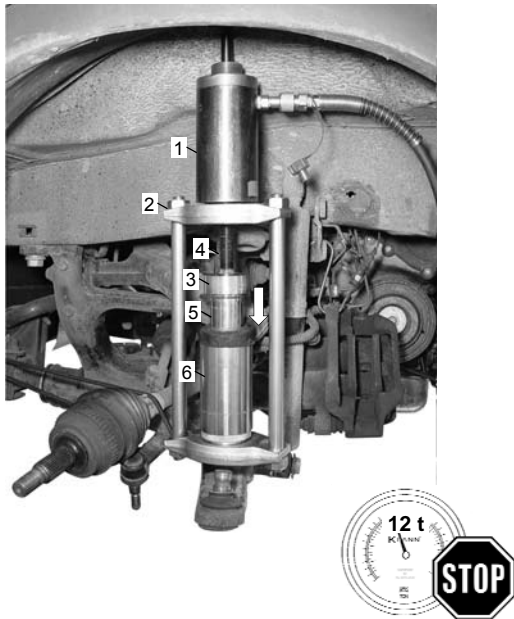
**Note:** The hydraulic pressure and the force can be checked, whilst using the pump, on pressure gauge **KL-0040-2529**. This pressure gauge is supplied with the hand pump and displays an additional drum-type scale matched to our **KL-0040-2500** hydraulic cylinder (17 t).

Part No.	Description	Qty.
<b>KL-0215-35 M25</b>	<b>Hydraulic Hand Pump</b>	<b>1</b>
<i>consists of:</i>		
KL-0215-33	Hydraulic Hand Pump without hose	1
KL-0215-31	Hose 1,8 m with hose-side connector	1
KL-0215-322	Cylinder-side connector 1/4"NPT	1
KL-0040-2520	Adaptor 3/8"NPT to 1/4"NPT	1
KL-0040-2529	Pressure Gauge	1

#### ⚠ Warnings and Notes

- Work on vehicle axles should only be performed by qualified personnel observing the vehicle-manufacturer's safety instructions and provisions.
- Working with hydraulic tools calls for specific safety precautions to be observed.
- Keep all parts of your body away from the line along which the hydraulic cylinder extends or retracts.
- Each time before the tool is used, lubricate the spindle with molybdenum sulphide paste, **KL-0014-0030**.
- Only the vehicle manufacturer's data apply to all work done on the vehicle.
- All specific vehicle data stated herein are supplied without commitment.

Fig. 2: Press out upper ball joint



### Application

#### Press out upper ball joint :

1. Lift the vehicle with a car lift and loosen or remove all necessary components.

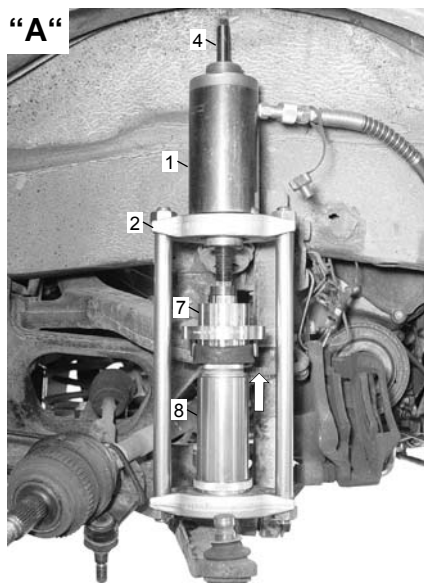
**Note:** The Telescopic Spring Compressor **KL-9002** (jaw size 2) is required to remove the flat coil spring. Removal of catalytic converter, exhaust system etc. is not necessary.

2. Mount the tool on the upper wishbone as shown in **fig. 2** .
3. Pay attention to the correct seat of the press sleeve **pos. 5** and the support sleeve **pos. 6** .
4. Operate the hydraulic pump and press out the ball joint.

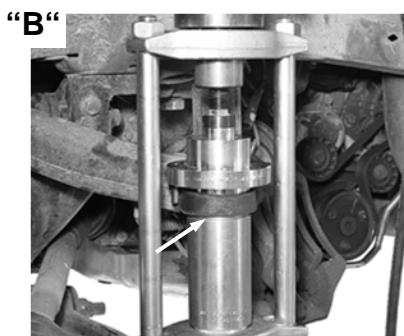
**Note:** During the pressing-out process read the required force on the manometer of the pump. Observe the max. load of the press frame.

In case the ball joints are very tight it is recommended to heat them up using a hot-air blower.

Fig. 3: Press in upper ball joint



Ball joint is pressed in



#### Press in upper ball joint:

1. Place the press frame **pos. 2** together with the hydraulic cylinder **pos. 1**, the pressure spindle **pos. 4** and preassembled support sleeve **pos. 7** onto the wishbone.

2. Place the new ball joint onto the press sleeve **pos. 8** and insert both into the press frame **pos. 2** .

3. Manually rotate the pressure spindle **pos. 4** until the ball joint bears on the wishbone. (**fig. 3 A**)

**Note:** Observe the specified mounting position of the ball joint, if necessary.

4. Pay attention to the correct seat of the support sleeve **pos. 7** and of the press sleeve **pos. 8** .

5. Operate the hydraulic pump and press in the ball joint. Stop the pressing-in process as soon as the ball joint has reached its correct position. (**fig. 3 B**)

6. Remove the tool and check the position of the ball joint. Assemble the vehicle according to the manufacturer's directions.

Fig. 4: Press out lower ball joint

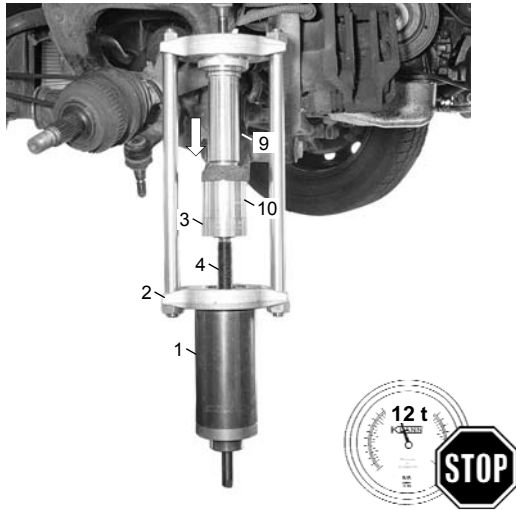
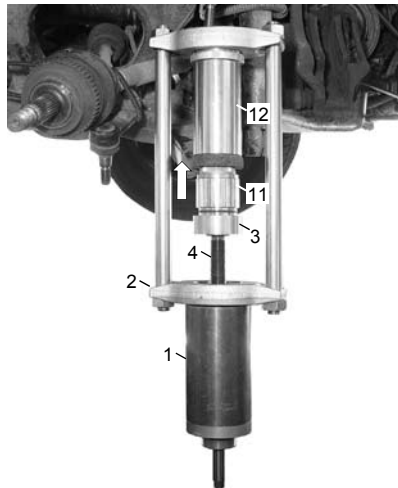
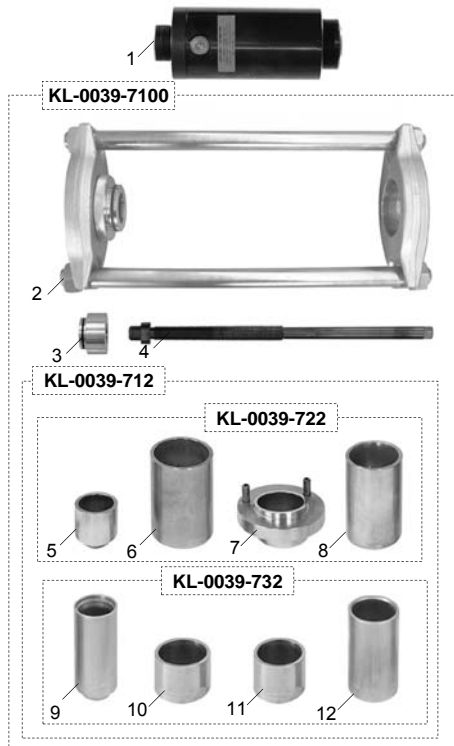


Fig. 5: Press in lower ball joint



**Specification:**



**Press out lower ball joint:**

- Lift the vehicle with a car lift and loosen and remove all necessary parts.  
**Note:** The Telescopic Spring Compressor **KL-9002** (jaw size 2) is required to remove the flat coil spring. Removal of catalytic converter, exhaust system etc. is not necessary.
- Mount the tool on the lower wishbone as shown in **fig. 4**.
- Pay attention to the correct seat of the press sleeve **pos. 9** and of the support sleeve **pos. 10**.
- Operate the hydraulic pump and press out the ball joint.  
**Note:** During the pressing-out process read the required force on the manometer of the pump. Observe the max. load of the press frame. In case the ball joints are very tight it is recommended to heat them up using a hot-air blower.

**Press in lower ball joint:**

- Place the press frame **pos. 2** together with the hydraulic cylinder **pos. 1**, the pressure spindle **pos. 4** and the preassembled support sleeve **pos. 12** onto the wishbone.
- Place the new ball joint onto the press sleeve **pos. 11**. Then place the press sleeve **pos. 11** together with the ball joint and the retainer adaptor **pos. 3** onto the pressure spindle **pos. 4**.
- Manually rotate the pressure spindle **pos. 4** until the ball joint bears on the wishbone. (**fig. 5**)  
**Note:** Observe the specified mounting position of the ball joint, if necessary.
- Pay attention to the correct seat of the press sleeve **pos. 11** and the support sleeve **pos. 12**.
- Operate the hydraulic pump and press in the ball joint. Stop the pressing-in process as soon as the ball joint has reached its correct position.
- Remove the tool and check the position of the ball joint. Assemble the vehicle according to the manufacturer's directions.

**Specification**

Pos.	Part No.	Description	Qty.
	<b>KL-0039-710</b>	<b>Press Tool Set with hydraulic cylinder Renault Master / Opel Movano</b>	<b>1</b>
<i>consists of:</i>			
	<b>KL-0039-7100</b>	<b>Press Tool Set without hydraulic cylinder Renault Master / Opel Movano</b>	<b>1</b>
1	KL-0040-2500	Hydraulic cylinder 17 t	1
Pos.	Part No.	Description	Qty.
	<b>KL-0039-7100</b>	<b>Press Tool Set without hydraulic cylinder Renault Master / Opel Movano</b>	<b>1</b>
<i>consists of:</i>			
2	KL-0039-1140	Press Frame, light, short	1
3	KL-0039-1002	Retainer Adaptor for clamp nut and pressure spindle	1
4	KL-0039-1930	Pressure spindle M20x350 with O-Ring	1
	<b>KL-0039-712</b>	<b>Pressure- / Support Sleeve Set Renault Master / Opel Movano</b>	<b>1</b>
Pos.	Part No.	Description	Qty.
	<b>KL-0039-712</b>	<b>Pressure- / Support Sleeve Set Renault Master / Opel Movano</b>	<b>1</b>
<i>consists of:</i>			
	<b>KL-0039-722</b>	<b>Sleeve Set Master / Movano upper</b>	<b>1</b>
	<b>KL-0039-732</b>	<b>Sleeve Set Master / Movano lower</b>	<b>1</b>
Pos.	Part No.	Description	Qty.
	<b>KL-0039-722</b>	<b>Sleeve Set Master / Movano upper</b>	<b>1</b>
<i>consists of:</i>			
5	KL-0039-1644	Press- / Support Sleeve short Ø 44 mm	1
6	KL-0039-1764	Press- / Support Sleeve long Ø 64 mm	1
7	KL-0039-1820	Support Sleeve Master / Movano	1
8	KL-0039-1758	Pressure- / Support Sleeve long Ø 58 mm	1
Pos.	Part No.	Description	Qty.
	<b>KL-0039-732</b>	<b>Sleeve Set Master / Movano lower</b>	<b>1</b>
<i>consists of:</i>			
9	KL-0039-1821	Press- / Support Sleeve	1
10	KL-0039-1658	Press- / Support Sleeve short Ø 58 mm	1
11	KL-0039-1652	Press- / Support Sleeve short Ø 52 mm	1
12	KL-0039-1822	Press- / Support Sleeve	1