

GEDORE

TOOLS FOR LIFE

Supporting Device for Control Arm



KL-0145-120 A



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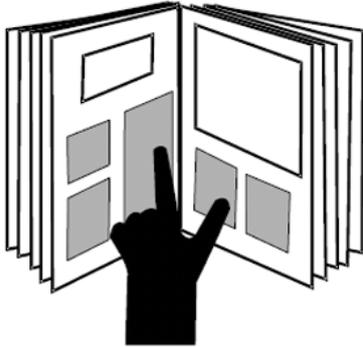
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1. Essential Safety Notices

- ⚠** Before using the supporting device for control arm, it is imperative that you read and understand the Instruction Manual. Misuse can lead to **SERIOUS INJURIES** and even **DEATH**.
This Instruction Manual is part of the supporting device for control arm. Keep the Instruction Manual in a safe place for future reference and pass it on to subsequent users of the supporting device for control arm. All vehicle-specific data stated herein are supplied under reserve and without commitment.

1.1 Safety Notices and Warnings

For better differentiation, the warning notices in this Instruction Manual are classified as follows:

Warning sign	Sign reads	Signification
	DANGER	Indicates a hazardous situation which, if not avoided, may result in serious or fatal injuries .
	CAUTION	Indicates a hazardous situation which, if not avoided, may result in moderate or minor injuries .
	ATTENTION	Indicates a situation which, if not avoided, may result in possible damage to the supporting device for control arm or its functioning, or to objects in its vicinity.

⚠ DANGER

When raising axle components, high forces come into play. As a result, there is a risk of the supporting device for control arm breaking and falling to pieces. This will lead to parts becoming projectiles.

- **ALWAYS** observe and do not exceed the **maximum load capacity** of the supporting device for control arm!
- **ONLY** use the original spare parts from **GEDORE Automotive**.
- **NEVER** use the supporting device for control arm for raising a vehicle!
- **ALWAYS** check the supporting device for control arm prior to **EACH** use to ensure that it is in good order and condition.
- **ALWAYS** ensure that the supporting device for control arm is protected from damage due to external force such as hammer blows.
- **ALWAYS** ensure that the supporting device for control arm is secured to the wheel hub with **2x wheel bolts or lug nuts** as appropriate.
- **NEVER** exceed the **maximum load capacity** of the transmission jack. **ALWAYS** consult and adhere to the safety regulations and specifications of the respective transmission jack!
- **NEVER** raise/lower a vehicle by means of a car lift when working with the supporting device for control arm.
- The supporting device for control arm **must only** be used in conjunction with a transmission jack that has been approved in accordance with the Machinery Directive 2006/42/EC.

⚠ CAUTION

The supporting device for control arm and axle parts can cause injuries if dropped.

- Always make sure that the supporting device for control arm is properly seated on the plunger of the transmission jack and secured with the locking screw.
- Always wear safety shoes/boots.

ATTENTION

Risk of damage to vehicle and supporting device for control arm.

- 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.

1.2 Personal Protective Equipment

ALWAYS wear personal protective equipment when using the supporting device for control arm. The supporting device for control arm can cause mechanical hazards leading to injuries such as contusions, cuts or concussions.



- SAFETY GLOVES** must be worn when using the supporting device for control arm.
- Working with the supporting device for control arm can cause skin abrasions and contusions.



- SAFETY SHOES/BOOTS** with slip resistant soles and steel-toe caps (see OSHA 29 CFR 1910.136 and ANSI 241) must be worn when using the supporting device for control arm.
- Falling parts can cause serious injuries to feet and toes.

1.3 Intended Use

 The **KL-0145-120 A** supporting device for control arm is only designed to be used in conjunction with a transmission jack for supporting and securing control arms.

The supporting device for control arm may only be used in the manner as described in this Instruction Manual.

- Any use other than for the intended purpose can result in severe injuries or even death.

1.4 Safe and Proper Use

Take the following safety precautions to prevent injuries and damage that could be caused by improper handling or unsafe use of the supporting device for control arm.

 Misuse can result in extremely severe injuries or even death.

- NEVER overload the supporting device for control arm.
- ALWAYS check the supporting device for control arm prior to EACH use in order to ensure that it is in good order and condition.
- ALWAYS replace all damaged and worn parts prior to using the supporting device for control arm.
- ONLY use the original spare parts and accessories from **GEDORE Automotive** on the supporting device for control arm.

1.5 Work Environment

For safety reasons, work with the supporting device for control arm should only be carried out in a safe and secure work environment.

- The workplace should always be clean and tidy.
- The workplace should be sufficiently large and must be secured.

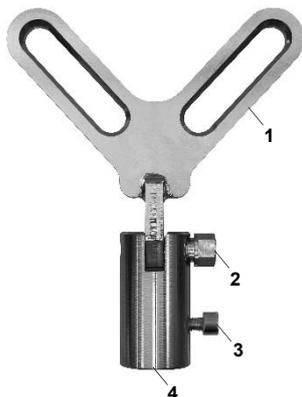
1.6 Appropriate Users

This Instruction Manual is designed for technicians/mechanics in workshops.

DO NOT allow children to use the supporting device for control arm.

Purchasers/employers purchasing the supporting device for control arm MUST ensure that any person using the supporting device for control arm has read and understood this Instruction Manual prior to using the tool. This Instruction Manual MUST be made available to the users of the supporting device for control arm for reference at all times.

KL-0145-120 A



EC Declaration of Conformity

EC Declaration of Conformity according to EC Directive 2006/42/EC on machinery of 17 May 2006 , (Annex II A):

Herewith we declare that the machinery described below **Supporting Device for Control Arm KL-0145-120** in its design and construction as well as in the version in which it was placed by us on the market complies with the Essential Health and Safety Requirements of the EC Machinery Directive 2006/42/EC. Any modifications made to the Supporting Device for Control Arm without our approval will invalidate this declaration.

Harmonised Standards used, in particular: DIN EN 12100 Safety of machinery - basic concepts, general principles for design, basic terminology, methodology, risk assessment.

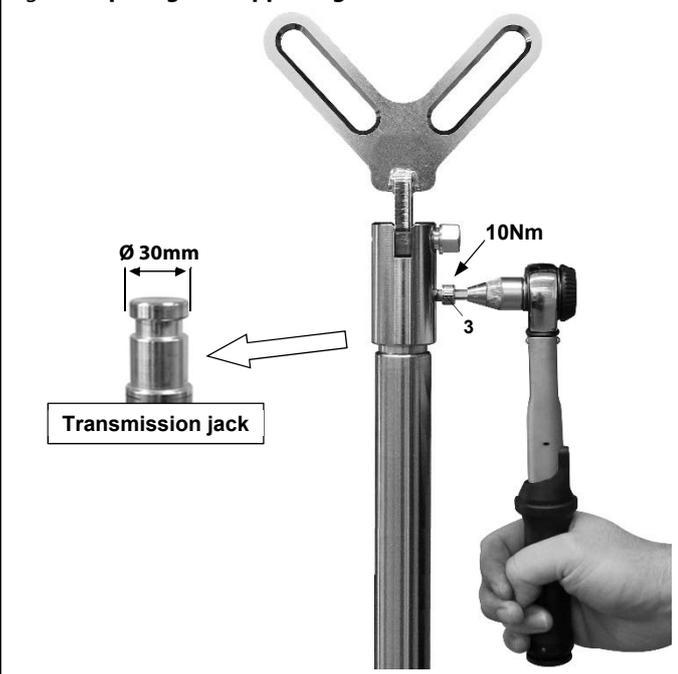
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Donaueschingen, den 23.01.2017

Dipl.-Ing. Thomas Sjösten, Geschäftsführer, GEDORE Automotive GmbH

Fig. 1: Preparing the Supporting Device for Control Arm



2. Product Description

KL-0145-120 A - Supporting Device for Control Arm

Universal application, e.g. for the removal/installation of suspension struts.

The device is used in conjunction with a transmission jack for supporting and securing control arms. The support takes place via the wheel hub.

Thanks to its special design, the device can be fixed at camber angle position, thus, ensuring the correct raising and lowering of control arms/axles to specified positions. This tool will greatly simplify the removal/installation of suspension struts.

2.1 Components:

Pos.	Part No.	Description	Qty
-	KL-0145-120 A	Supporting Device for Control Arm	1
<i>composed of:</i>			
1	KL-0145-1201	Fork for Wheel Hub	1
2	KL-0145-1203 A	Clamp Screw	1
3	KL-0043-5914	Locking Screw	1
4	KL-0145-1202 A	Sleeve	1

2.2 Technical Data

Retaining Ø: 30mm

Overall height: 205mm

Inclination angle: +/- 45°

Max. load capacity: 300kg

3. Preparatory Work

Before the first commissioning of the supporting device for control arm, check and confirm you have all the parts listed in the scope of delivery. Then, read and follow the mounting instructions.

3.1 Checking The Delivery.

3.2 Preparing the Vehicle.

Loosen and/or remove all parts necessary to enable the support and fixing of the control arm (such as wheel etc.) **according to the manufacturer's instructions.**

3.3 Preparing the Tool.

⚠ DANGER

When raising axle components, high forces come into play. As a result, there is a risk of the supporting device for control arm breaking and falling to pieces. This will lead to parts becoming projectiles.

- The supporting device for control arm **must only** be used in conjunction with a transmission jack that has been approved in accordance with the Machinery Directive 2006/42/EC.

⚠ CAUTION

The supporting device for control arm and axle parts can cause injuries if dropped.

- Always make sure that the supporting device for control arm is properly seated on the plunger of the transmission jack and secured with the locking screw.
- Always wear safety shoes/boots.

Mount supporting device for control arm to an appropriate transmission jack (with plunger Ø of 30mm) as shown in **Fig. 1**.

Note: Tighten locking screw "3" to 10 Nm.

Fig. 2: Bolt supporting device for control arm and wheel hub together.

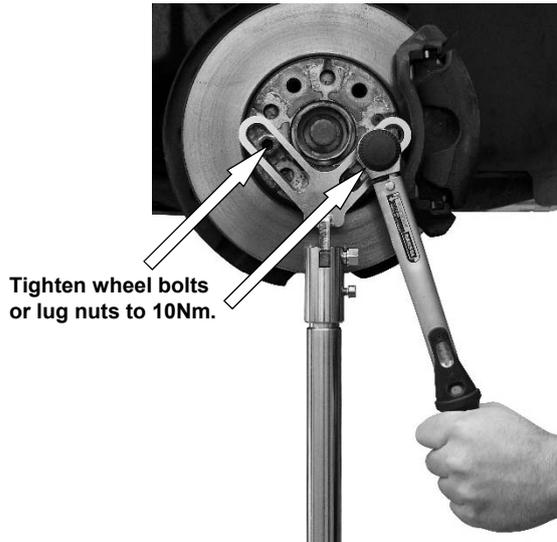
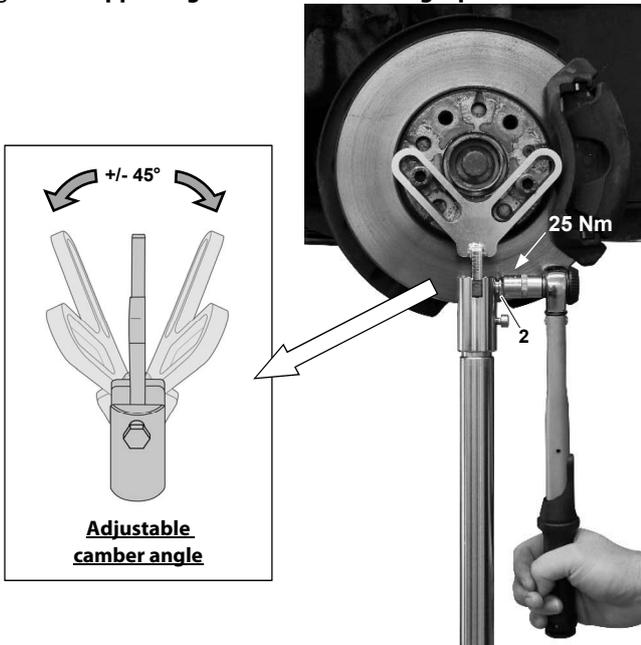


Fig. 3: Fix supporting device at camber angle position.



5. Accessories:

KL-0040-2571 Adaptor Sleeve, Ø 25mm



This adaptor is needed to use the **KL-0145-120A** supporting device for control arm in conjunction with a transmission jack having a plunger with Ø of 25mm.

KL-0040-2588 - Adaptor Sleeve, VW, Ø 36 mm



This adaptor is needed to use the retaining device **KL-0040-258** or the supporting device **KL-0145-120 A** in conjunction with the VW Transmission Jack.

4. Example of Use:

The following instructions describe how to support and secure a control arm at the front axle with the aid of the supporting device for control arm in conjunction with an appropriate transmission jack.

1. DANGER

When raising axle components, high forces come into play. As a result, there is a risk of the supporting device for control arm breaking and falling to pieces. This will lead to parts becoming projectiles.

- **ALWAYS** ensure that the supporting device for control arm is secured to the wheel hub with either **2x wheel bolts or lug nuts** as appropriate.

Bolt supporting device for control arm and wheel hub together using 2x wheel bolts or lug nuts as shown in **Fig. 2**.

Note: Tighten wheel bolts or lug nuts to 10Nm.

2. Fix supporting device for control arm at camber angle position.

To do this, tighten clamp screw "2" as shown in **Fig. 3**.

Notes: Tighten clamp screw "2" to 25 Nm.

3. DANGER

When raising axle components, high forces come into play. As a result, there is a risk of the supporting device for control arm breaking and falling to pieces. This will lead to parts becoming projectiles.

- **ALWAYS** observe and do not exceed the **maximum load capacity** of the supporting device for control arm!
- **NEVER** exceed the **maximum load capacity** of the transmission jack. **ALWAYS** consult and adhere to the safety regulations and specifications of the respective transmission jack!
- The supporting device for control arm **must only** be used in conjunction with a transmission jack that has been approved in accordance with the Machinery Directive 2006/42/EC.
- **NEVER** raise/lower a vehicle by means of a car lift when working with the supporting device for control arm.
- **ALWAYS** ensure that the supporting device for control arm is protected from damage due to external force such as hammer blows.
- **ALWAYS** check the supporting device for control arm prior to **EACH** use to ensure that it is in good order and condition.
- **NEVER** use the supporting device for control arm for raising vehicles!
- **ONLY** use the original spare parts from **GEDORE Automotive**.

ATTENTION

Risk of damage to vehicle and supporting device for control arm.

- 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.

Carry out repair/maintenance work on the vehicle **according to the manufacturer's instructions**.

6. Care and Storage

ATTENTION Always clean all parts after their use with a clean cloth only. In order to protect against corrosion, lightly lubricate all metal parts after their use with oil and store them in a clean and dry place.

7. Maintenance and Repair by the GEDORE Automotive Service Centre.

For safety reasons, as soon as damage is noticed on the supporting device for control arm, immediate steps must be taken to prevent it from being used. For professional inspection and repair of the supporting device for control arm, please contact the GEDORE Automotive Service Centre.

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Breslauerstraße 41 // 78166 Donaueschingen
Phone: 0771 83 22 371 / Email: info@gedore-automotive.com
For additional information concerning the use of our supporting device for control arm, please contact the GEDORE Automotive Service Centre.

8. Environmentally Safe Disposal

Recycle/dispose of the supporting device for control arm and its packaging material in compliance with the legal rules and regulations in force.

GEDORE

WERKZEUGE FÜRS LEBEN

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