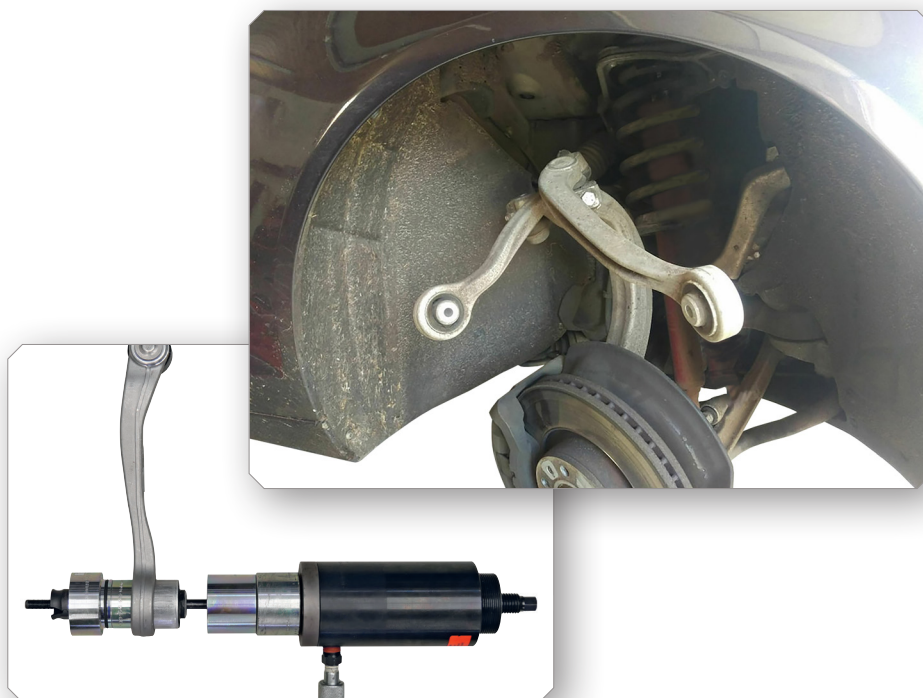
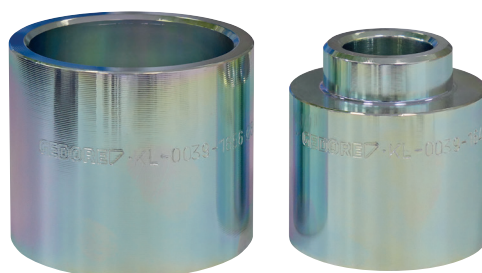


KL-0214-251

Silent Block Tool Sleeve Kit Audi, for Top Wishbones



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1. READ AND UNDERSTAND FOR YOUR SAFETY



These operating instructions are intended to familiarise you with the operation of the **SILENT BLOCK TOOL**. Therefore read and understand these operating instructions **before using** the special tool and observe all safety and warning instructions for safe use! Misuse can result in **DEATH** or **SEVERE INJURIES**! The operating instructions are a part of the special tool. Therefore keep them in a safe place so that you can access them at any time, and always pass them on to subsequent users of the special tool! The special tool complies with the recognised rules of technology as well as the relevant safety regulations.

1.1 Target group

These operating instructions are **exclusively** intended for skilled personnel in specialised motor vehicle workshops!

The special tool **may only be** used by skilled personnel in specialised motor vehicle workshops who are familiar with the basic regulations on work safety and accident prevention!

- **Never** allow unauthorised, inexperienced persons, minors and children, or persons with limited physical, sensory, and mental abilities to use the wheel bearing tool!

1.2 Obligations of the owner

Pursuant to the German Ordinance on Industrial Safety and Health (*BetrSichV*), employers are obliged to provide their employees with safe work equipment in accordance with the recognised rules of technology and the relevant safety regulations!

- The owner of the special tool **must** ensure that **only** trained persons in specialised vehicle workshops use the special tool!
- The owner of the special tool **must** ensure that the instructions for use are available to the user and that the user has completely read and understood the instructions for use **before** using the special tool!
- The owner of the special tool **must** ensure that the user is familiar with the basic regulations on work safety and accident prevention, and that the personal protective equipment is available to him/her!

1.3 Intended use

The SILENT BLOCK TOOL...

... **may only** be used to force silent blocks (rubber-metal blocks) in and out at the top wishbones of the front axle!

... **may only** be used on vehicles as specified in **Chapter 2.** - Product description!

... **may only** be used up to a **max. load of 5 tonnes**!

... **may only** be operated by hand with muscle power with a manual drive or a manually operated **GEDORE Automotive** hydraulic cylinder/pump combination with pressure gauge for safe pressure control!

... **may only** be used with **GEDORE Automotive** genuine spare parts and accessories!

... **may only** be used in the way described in these operating instructions!

⚠ Any other use can result in **DEATH** or **SEVERE INJURIES**!

1.4 Reasonably foreseeable misuse

The SILENT BLOCK TOOL...

... **must never** be used for forcing other parts in or out or in any other way than intended!

... **must never** be used together with an impulse or impact screwdriver!

... **must never** be used with a machine drive or a machine-operated hydraulic cylinder/pump combination or any other drive than intended!

... **must never** be used for batch processing with constantly repeating work processes within a few minutes!

... **must never** be used with a bridged, modified, or removed safety device!

... **must never** be modified, converted, or used for other purposes without authorisation!

⚠ **Always** use the special as intended. Any other use can result in **DEATH** or **SEVERE INJURIES** !

1.5 Personal protective equipment

For your safety, wear personal protective equipment when using the special tool! The special tool can bring about mechanical hazards, such as crushing, cutting, and impact injuries.



Always wear **EYE PROTECTION** (for example to DIN EN 166, OSHA 29 CFR 1910.133, ANSI Z87) when using the special tool to protect yourself against flinging parts or particles!

- When using the special tool, flying parts or particles can cause **SEVERE INJURIES** to your **eyes**!



Always wear **PROTECTIVE GLOVES** (for example to DIN EN 388, OSHA 29 CFR 1910.138, ANSI 105) when using the special tool to protect yourself against sharp edges and crushing between parts!

- When working with the special tool, sharp edges and crushing between parts can cause **SEVERE INJURIES** to your **hands**!



Always wear **SAFETY SHOES** (for example to DIN EN ISO 20345, OSHA 29 CFR 1910.136, ANSI Z41) when using the special tool to protect yourself against falling parts!

- When working with the special tool, falling parts can cause **SEVERE INJURIES** to your **feet and toes**!

1.6 Labelling of the warnings

Warnings warn of potential **hazards**. **Always** observe these warnings to avoid **DEATH** or **INJURIES**! For better differentiation, warnings in these operating instructions are classified as follows:

Warning sign	Meaning
WARNING	Indicates a hazardous situation which, if not avoided, could possibly cause DEATH or SEVERE INJURIES .
CAUTION	Indicates a hazardous situation which, if not avoided, could possibly cause MODERATE or MINOR INJURIES .
CAUTION	Indicates a situation which, if not avoided, could possibly cause damage to the tool or an object in its vicinity.
i	Note on important information and useful tips.

1.7 Work environment

Only use the special tool in a safe working environment, and **do not** expose it to extreme temperatures, direct sunlight or extreme humidity and moisture!

- The workplace **must** be clean and tidy.
- The workplace **must** be sufficiently large and illuminated.
- The workplace **must** be on a solid and non-skidding floor.
- The workplace **must** be safeguarded against access of unauthorised persons.
- The workplace **must** have a room temperature between -10°C and +40°C.

1.8 Emissions

Molybdenum disulphide paste and hydraulic oil can drip or leak when using the special tool and thus pose a hazard to the environment.

- **Immediately** remove leaking hydraulic oil as well as excess molybdenum disulphide paste (using oil binding agents or a cleaning cloth, for example).
- In case of skin contact with hydraulic oil, clean the affected area **immediately** with degreasing soap and water.
- Dispose of pollutants such as hydraulic oil and molybdenum disulphide paste **always** in an **environmentally friendly manner**.
- Safety data sheets *in accordance with Regulation (EC) No. 1907/2006* for hydraulic oil (**Alsus Hyd HLP 32 or 46**) as well as for molybdenum paste (**MOLYKOTE® G-N PLUS PASTE**) can be found on the manufacturer's site on the Internet (**World Wide Web**) or, if required, contact **GEDORE Automotive**.

1.9 Basic safety instructions and warnings

⚠ WARNING - Failure to observe this warning may result in an accident or death.

When using the special tool, **always** observe the following safety and warning instructions as well as measures to avoid **DEATH** or **SERIOUS INJURY** as well as property damage due to hazards, misuse, abuse and unsafe handling!

- Therefore read and understand these operating instructions **before using** the special tool and observe all safety and warning instructions for **safe use**!
- **Always** work with the special tool in accordance with the basic regulations on work safety, accident prevention and environmental protection!
- **Always** use the special tool as intended. **GEDORE Automotive** does not accept any liability or warranty or guarantee claims for injuries and damage, resulting from improper use or disregard of the safety regulations.
- **Before each use**, check the special tool **carefully** for damage, loose parts, or unauthorised modifications. **Never** use it, if you notice any such deficiencies! Professional inspection and repair may only be carried out by specially trained personnel from **GEDORE Automotive**!
- **Only** use original spare parts and accessories from **GEDORE Automotive GmbH** for the special tool!
- **Always** observe the vehicle-specific manufacturer's specifications when working with the special tool!
- Secure the special tool in particular the hydraulic cylinder against falling down and flinging around. This can for example be done by holding it tightly or by using the **GEDORE** safety retaining belt - **KL-0040-2590** or **KL-0040-2592** or alternatively the retaining device **KL-0040-258 A**!
- **Never** use the special tool with an impulse or impact wrench or any other drive than intended! Drive it **only** by hand and with muscle power; use a manual drive or a manually operated **GEDORE Automotive** hydraulic cylinder/pump combination with a pressure gauge for safe pressure control!
- **Never** use the special tool for batch processing with many compressing processes within a few minutes!
- **Never** use the special tool when you are tired or under the influence of alcohol, drugs, or medication!
- **If necessary**, carry, lift, and position the heavy parts of the special tool with the help of a second specialist!
- **Before using** the special tool, make sure that **no** unauthorised persons are in the immediate work environment!
- **Always** observe the **max. loading capacity** when using the special tool, and **never** exceed it!
- **Never** stand in the axial extension of the special tool, especially **not** when it is under load!
- Wear your personal protective equipment such as safety goggles, protective gloves, safety shoes during work!
- **Always** make sure that the special tool is securely attached to the vehicle!
- **Never** leave the special tool unattended in loaded condition on the vehicle!
- Avoid dropping, hitting or impacting the special tool and **never** hit it with a hammer or other objects especially when it is under load!
- **Never** clamp the special tool in a vice and always place it securely on a clean shelf or workbench to prevent it from falling!
- **Prior to each use**, check the moving parts and the spindle of the special tool for sufficient lubrication. If necessary, lubricate it **only** with molybdenum disulphide paste (for example **GEDORE Automotive - KL-0014-0030**)!
- Interrupt your work **immediately** if you are unsure about using the special tool, and contact **GEDORE Automotive** if **necessary**!
- For safety reasons, ensure that a damaged special tool is **no longer** used! Professional inspection and repair may **only** be carried out by specially trained personnel from **GEDORE Automotive GmbH**!

1.10 Maintenance

Perform maintenance on the special tool at **regular** intervals and **only** when the tool is depressurised! Poor and improper maintenance can damage the special tool, thus causing **DEATH** or **SEVERE INJURIES**!

Prior to each use:

- **Prior to each use**, check the special tool **carefully** for damage, loose parts or unauthorised modifications!
- **Prior to each use** of the special tool, check the spindle for contamination and damage. If necessary, clean it, and subsequently lubricate it **only** with molybdenum disulphide paste! (For example, **GEDORE Automotive - KL-0014-0030**)

Recommended: Every 24 months:

- Have the special tool professionally checked **every 24 months** by authorised specialists from **GEDORE Automotive GmbH**!

1.11 Troubleshooting

Only perform troubleshooting on the special tool when it is depressurised!

Problem: Hydraulic oil escapes from the hydraulic coupling between hydraulic cylinder and hand pump.

Reason: Hydraulic coupling contaminated or loose.

Remedy: Clean and retighten the hydraulic coupling. Top up lacking hydraulic oil (**HLP 32 or 46**) at the hand pump.

Problem: The hydraulic hand pump does not build up pressure or only very slowly.

Reason: The pressure release valve on the hand pump is open or hydraulic oil is missing.

Remedy: Close the pressure release valve on the hand pump completely and top up missing hydraulic oil (**HLP 32 or 46**) on the hand pump, if necessary.

1.12 Care / Storage

CAUTION

Improper care and storage can damage the special tool.

- Therefore, **never** immerse the special tool in water, solvents, or other cleaning liquids.
- After use, clean all parts of the special tool with a dry and clean cleaning cloth.
- Store the special tool and the operating instructions at a dry and clean place.

1.13 Repair

WARNING

Improper repair of the special tool can result in **DEATH** or **SEVERE INJURIES**.

- If damage, loose parts or unauthorised modifications have been found on the special tool, it must no longer be used for safety reasons!
- Repair may only be carried out by specially trained personnel from **GEDORE Automotive**!
- **Only** use original spare parts and accessories from **GEDORE Automotive GmbH** for the special tool!

If necessary, contact us, **GEDORE Automotive** for a professional inspection and repair of the special tool.

1.14 Environmentally friendly disposal

Dispose of the special tool and its packaging material in an environmentally compatible way in accordance with the legal requirements. If necessary, ask your local authorities about environmentally friendly disposal options.

2. PRODUCT DESCRIPTION

2.1 KL-0214-251 - Silent block tool sleeve kit Audi

Suitable for the top wishbone blocks on the front axle, for example, on AUDI A4 (B5, 8D), A4 (B6, 8E), A4 (B7, 8E), A4 (B8, 8K), A5 (8T), A5 Cabrio (8F), A6 (C5, 4B), A6 (C6, 4F), A6 (C7, 4G), A7 (4G), A8 (D2, 4D), A8 (D3, 4E), A8 (D4, 4H), Q5 (8R); VW Phaeton (3D), Passat (B5, 3B), Passat (B6, 3C); ŠKODA Superb I (3U); Seat Exeo (3R); Porsche Macan (95B); BENTLEY Continental Cabriolet (3W, 394), Flying Spur (4W).

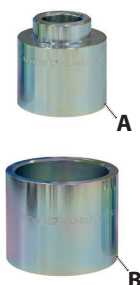
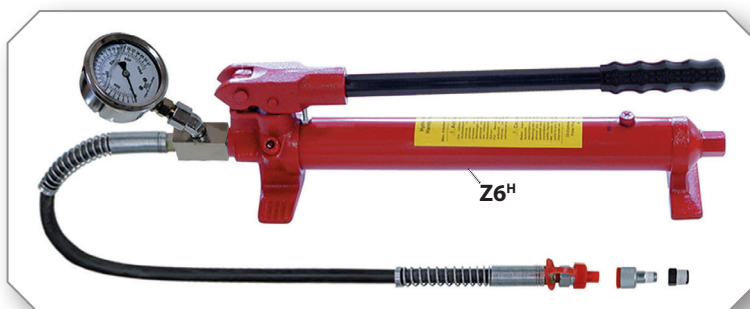
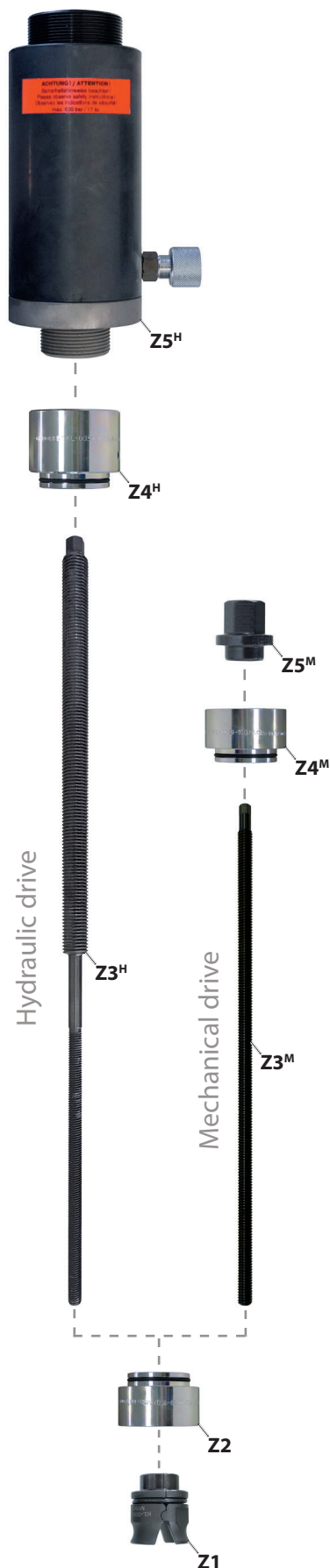
- For quick forcing in and out of the silent blocks (rubber-metal blocks) on the top wishbones of the front axle.
- Allows a replacement of the silent blocks directly on the vehicle.
- No need to remove the axle control arms and the notorious (A***) clamping screw.
- Additional mechanical drive parts necessary!
- Use preferably with mechanical drive parts.

2.2 Scope of supply / overview of individual parts / drive parts

i This table shows all components for the silent block tool.
 Prior to using the tool, check to ensure
 that all the parts included in the scope of delivery are available
 and compile any
 additional components that may still be required.

KL-0214-251

Pressure/support sleeves...		Item	
KL-0039-1646 - Pressure sleeve Ø 46 / 38mm		A	●
KL-0039-1656 - Support sleeve Ø 56 / 48mm		B	●
Required drive parts... Z			
KL-0039-2110-2 - Quick release nut M10x1.25mm		Z1	+
KL-0039-1002 - Mounting adapter		Z2	+
...optionally hydraulic	KL-0039-1910-1 - Draw spindle M10x1.25mm	Z3^H	+ ^H
	KL-0039-1003 - Mounting adapter for hydraulic cylinder	Z4^H	+ ^H
	KL-0040-2500 - Hydraulic cylinder, 17t	Z5^H	+ ^H
	KL-0215-35 M25 - Hydraulic hand pump, 17t	Z6^H	+ ^H
...optionally mechanical	KL-0039-2010-1 - Mechanical draw spindle M10x1.25mm	Z3^M	+ ^M
	KL-0039-1011 Mounting adapter for mechanical drive	Z4^M	+ ^M
	KL-0039-1910-2 - Collar nut M10x1.25mm	Z5^M	+ ^M
● = Included in the scope of delivery / + = Additionally required / .. ^H = Hydraulic drive parts / .. ^M = Mechanical drive parts			



2.3 Specifications

Draw spindles:M10x1.25mm

Max. load:5t

3. PREPARATION

3.1 Preparing the vehicle

📷 1: Preparing the top wishbones on the front axle accordingly...



CAUTION

There is a risk of damaging various lines and the drive shaft when changing the silent block! Therefore, attention must be paid that these are not put under tension when performing the following work.

1. Lift the vehicle safely and prepare all necessary parts for changing the silent block according to the manufacturer's specifications.

For example:

Dismantle wheel / loosen top wishbones and turn them around so that they protrude from the wheel case.

- ❗ It is of advantage to loosen and repair one wishbone after the other. Otherwise, the suspension strut will hang loosely in the wheel case.

3.2 Preparing the tool

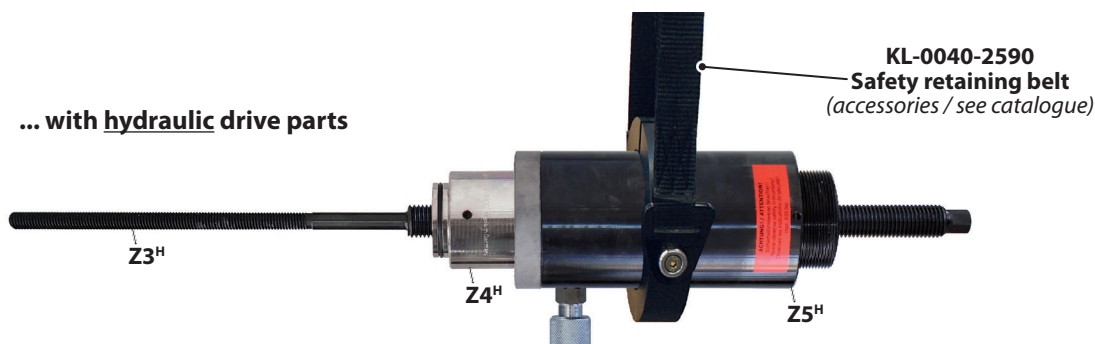
📷 2: Preparing the silent block tool accordingly...

⚠ WARNING

There is the risk of the silent block tool breaking and flinging around when a machine-operated drive is used. This can cause **DEATH** or **SEVERE INJURIES**! Therefore only operate the silent block tool by hand with muscle power with a manual drive or a manually operated GEDORE Automotive hydraulic cylinder/pump combination with suitable pressure gauge for safe pressure control!

The silent block tool may fall down during use. This can cause **SEVERE INJURIES**! Therefore secure the silent block tool against dropping, for example by firmly holding on to it or by using the safety retaining belt that is available as an accessory!

... with hydraulic drive parts



... with mechanical drive parts



1. Prepare the required drive parts, either **hydraulic**(..^H) or **mechanical** (..^M), as shown.

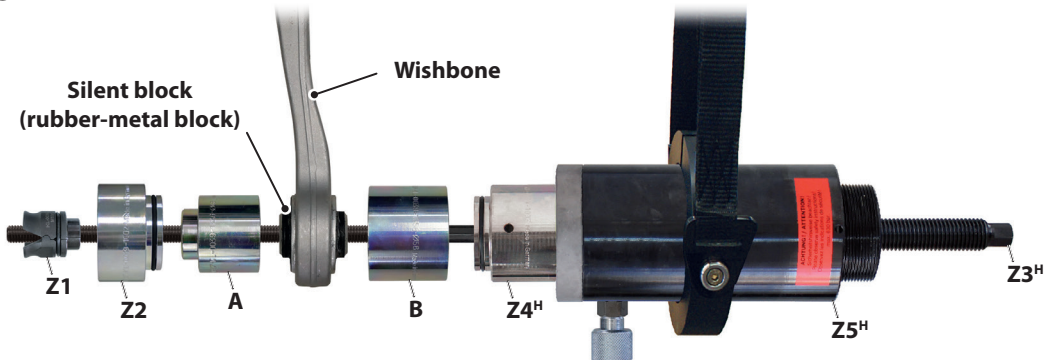
❗ For other drive components and accessories see the **GEDORE Automotive catalogue**.

4. TYPICAL APPLICATION

- ① This application example describes how to force out and force in a silent block (rubber-metal block) on a top wishbone of the front axle with the silent block tool and hydraulic drive parts (..^H).
When using mechanical drive parts (..^M), this process is always carried out according to the same principle.

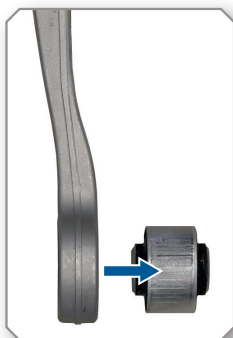
4.1 Forcing out the silent block

📷 3: Applying the silent block tool to the wishbone...



1. Compile the silent block tool as shown in a suitable manner and apply in the correct position on the silent block or wishbone.
Then unscrew the clamping nut [Z1] until the pressure sleeve [A] completely rests on the silent block and the support sleeve [B] completely rests on the wishbone.

📷 4: Forcing out the silent block in a controlled way...



CAUTION

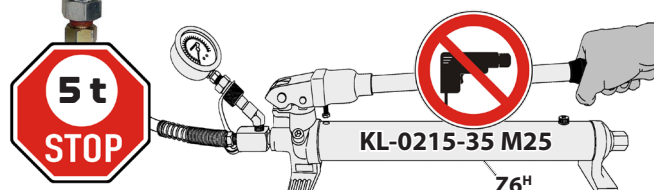
There is a risk of damage to the wishbone when the silent block is forced out! It is therefore important to pay attention to a centred alignment of the pressure sleeve [A] and support sleeve [B] in relation to the silent block!

⚠ WARNING

The silent block tool can break and be hurled around due to overloading or misuse. This can cause DEATH or SEVERE INJURIES! Therefore, never overload the silent block tool, never use it with a mechanical drive or in any other way than intended!

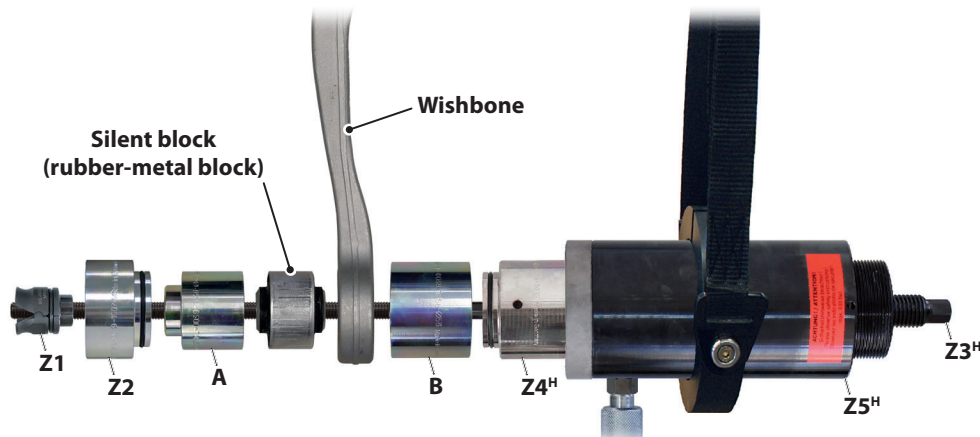


2. Connect the hydraulic hand pump [Z6^H] to the hydraulic cylinder [Z5^H].
3. Align the silent block tool centred to the silent block. Operate the hydraulic hand pump [Z6^H], while observing the pressure on the pressure gauge, and force out the silent block in a controlled manner.



4.2 Forcing in the silent block

📷5: Apply silent block tool and silent block accordingly at the rear axle trailing arm...



1. Compile the silent block tool as shown in a suitable manner and apply with the new silent block in the correct position on the wishbone.
Then unscrew the clamping nut [Z1] until the pressure sleeve [A] with the new silent block and the support sleeve [B] completely rest on the wishbone.

📷6: Force in the silent block in the correct position in a controlled manner according to the manufacturer's specifications...

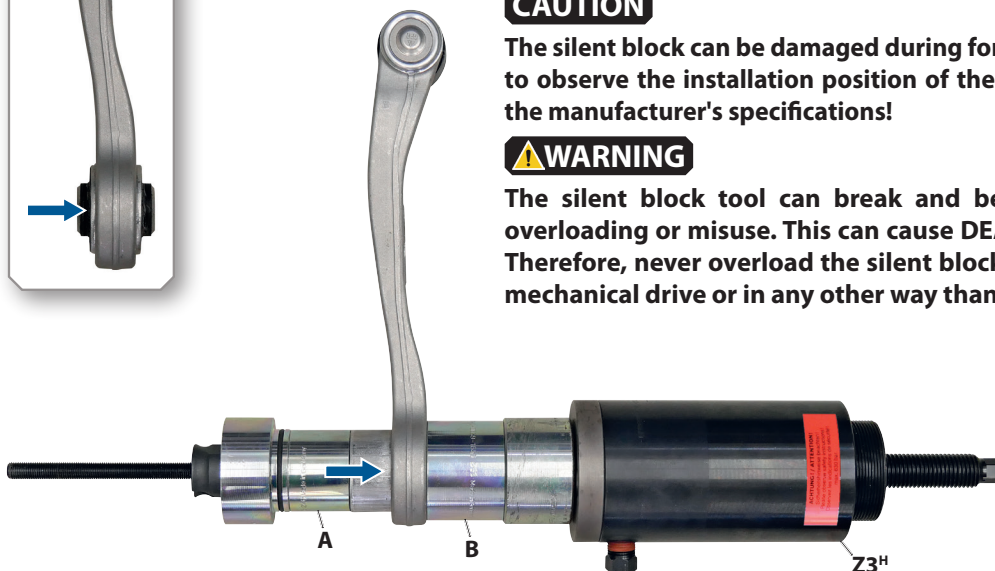


CAUTION

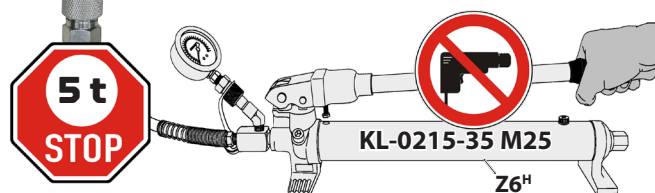
The silent block can be damaged during forcing in! Therefore be sure to observe the installation position of the silent block according to the manufacturer's specifications!

⚠️WARNING

The silent block tool can break and be hurled around due to overloading or misuse. This can cause DEATH or SEVERE INJURIES! Therefore, never overload the silent block tool, never use it with a mechanical drive or in any other way than intended!



2. Connect the hydraulic hand pump [Z4H] to the hydraulic cylinder [Z3H].
3. Align the silent block according to manufacturer's specifications. Operate the hydraulic hand pump [Z4H], while observing the pressure on the pressure gauge, and force in the silent block in a controlled manner up to the correct installation position.



4. Remove the silent block tool and check the silent block for correct installation position.