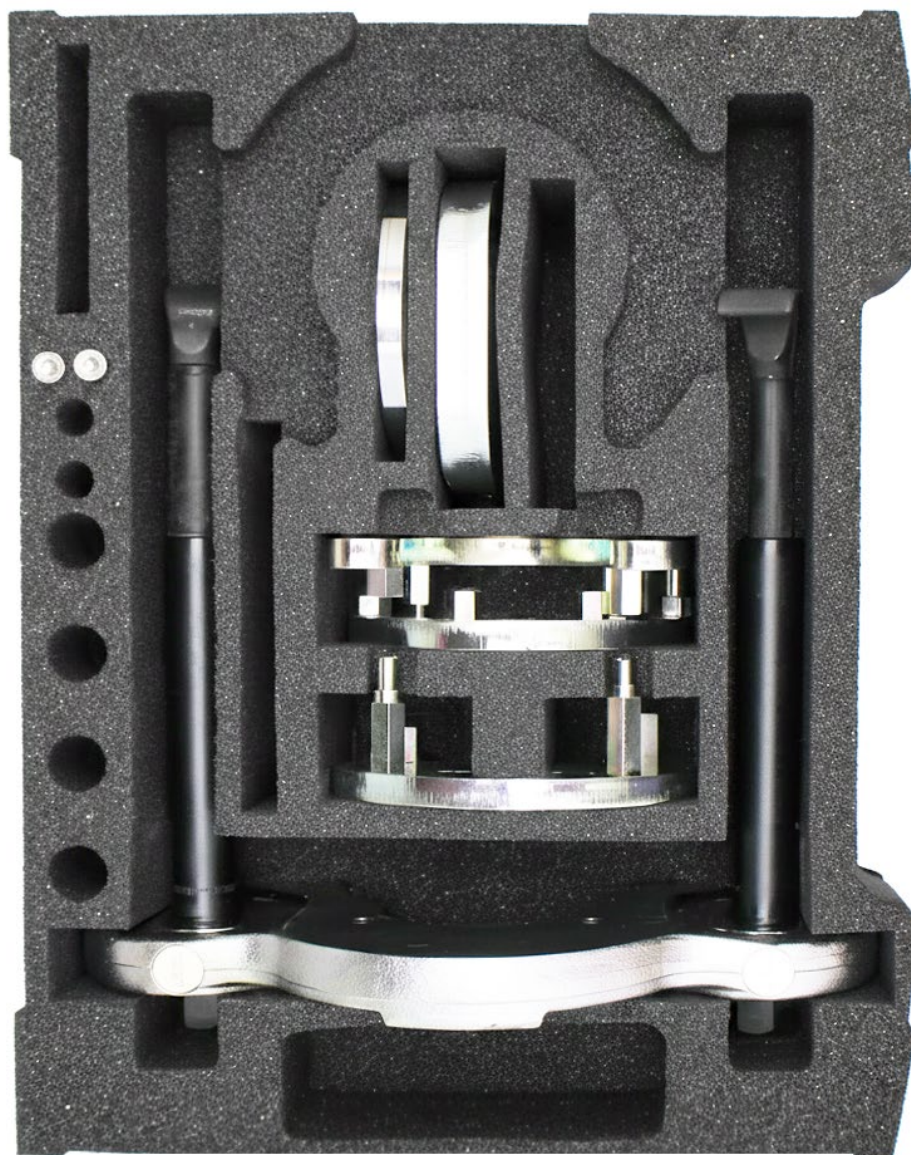


KL-0029-2.. (E/K) + KL-0029-1.. Spring Pre-Compressor for McPherson struts



GEDORE Automotive GmbH

Breslauer Straße 41
78166 - Donaueschingen
Postfach 1329
78154 Donaueschingen - GERMANY
☎ +49 (0) 771 / 8 32 23-0
☎ +49 (0) 771 / 8 32 23-90
✉ info.gam@gedore.com



www.gedore-automotive.com



06/2026

KL-0029-100_-200_Serie__EN260603.indd

**GERMAN****DE**

Manufacturer's address

GEDORE Automotive GmbH

Breslauer Straße 41 // 78166 Donaueschingen - GERMANY

☎ +49 (0)771/83223-71 // ✉ info.gam@gedore.com

Legal Notice

In the course of improvement and adaptation to the state of the art, we reserve the right to make changes in terms of appearance, dimensions, weights, properties and performance.

This does not entitle the customer to request corrections or subsequent deliveries of products that have already been delivered. Deletions can be made at any time without giving rise to any legal claims.

All information regarding use and safety is non-binding. It does not replace any legal or trade association regulations.

We accept no liability for printing errors.

Any reprinting, even in excerpts, requires the prior written consent of **GEDORE Automotive GmbH**.

All rights reserved worldwide. © Copyright by **GEDORE Automotive GmbH**, Donaueschingen (GERMANY)

Please refer to our General Terms and Conditions, which can be found in the legal notice at:

www.gedore-automotive.com



TABLE OF CONTENTS

1. PLEASE READ AND UNDERSTAND FOR SAFETY REASONS	4
1.1 Target audience	4
1.2 Obligations of the owner	4
1.3 Intended use	4
1.4 Reasonably foreseeable misuse	4
1.5 Personal protective equipment	5
1.6 Labelling of warning notices	5
1.7 Work environment	5
1.8 Emissions	5
1.9 Basic safety, warning and handling instructions	6
1.10 Maintenance	7
1.11 Troubleshooting	7
1.12 Care / Storage	7
1.13 Repairs	7
1.14 Environmentally sound disposal	7
2. PRODUCT DESCRIPTION	8
2.1 KL-0029-200 (E/K) – Spring Pre-Compressor (Base Tool) for McPherson struts	8
2.2 Scope of delivery	8
2.3 Technical Data	8
2.4 Supplementary sets for the Base Tool	9
3. PREPARATION	13
3.1 Checking the scope of delivery	13
3.2 Preparing the spring compressor	13
3.3 Preparing the vehicle	13
4. APPLICATION EXAMPLE	14
4.1 Attach the Base Tool to the strut...	
4.1.1 ...in conjunction with KL-0029-111	14
4.1.2 ...in conjunction with KL-0029-120 A	15
4.1.3 ...in conjunction with KL-0029-122	16
4.1.4 ...in conjunction with KL-0029-130 B	17
4.1.5 ...in conjunction with KL-0029-150	18
4.1.6 ...in conjunction with KL-0029-152	19
4.1.7 ...in conjunction with KL-0029-160 A	20
4.1.8 ...in conjunction with KL-0029-170	21
4.1.9 ...in conjunction with KL-0029-180	22
4.2 Removal of the shock absorber	23
4.3 Installing the shock absorber	25
5. SINGLE PART OVERVIEW	27

1. PLEASE READ AND UNDERSTAND FOR SAFETY REASONS



These operating instructions form part of **THE SPRING PRE-COMPRESSOR** and are intended to familiarise you with this specialised tool. Please read and understand these operating instructions before using the specialised tool and follow all the instructions, warnings and notes set out herein to ensure safe use. Keep the operating instructions in a safe place so that you or subsequent users can access them at any time. Be aware that, in the worst-case scenario, incorrect use of the special tool can lead to **DEATH** or **SERIOUS INJURY**! Stop work immediately if you are unsure about how to use the special tool and, if necessary, contact **GEDORE-Automotive**.

1.1 Target audience

These operating instructions are intended **solely** for trained specialists with comprehensive technical knowledge of motor vehicle repairs.

- ▶ This specialised tool **must only** be used in specialist automotive workshops by trained professionals who possess the necessary expertise in handling specialised automotive tools and are familiar with the applicable regulations on health and safety at work, accident prevention as well as environmental protection.
- ▶ The special tool **must never** be used by unauthorised, inexperienced or underage persons, **as well as** by persons with physical, sensory or mental impairments, **nor** by persons who are tired or under the influence of medication, alcohol, drugs or similar intoxicating substances.

1.2 Obligations of the owner

Under *the Ordinance on Industrial Safety and Health*, employers are obliged to provide their employees with safe work equipment! **GEDORE Automotive's** specialist tools comply with recognised technical standards as well as relevant safety regulations at the time they are placed on the market.

- ▶ **The owner** of the specialised tool **must ensure that only** trained specialists in specialist automotive workshops use the tool!
- ▶ **The owner** of the specialised tool **must ensure** that the application has access to the relevant instructions and has read and understood them in full **before** using the specialised tool!
- ▶ **The owner** of the specialised tool **must ensure** that the user has the necessary expertise in handling specialised automotive tools, is familiar with the applicable regulations on health and safety at work, accident prevention and environmental protection, and has the necessary protective equipment at their disposal!

1.3 Intended use

The SPRING PRE-COMPRESSOR...

- ... **may only** be used to reduce the overall length of the strut by preloading it, during installation or removal of McPherson struts!
- ... **may only** be used in conjunction with the vehicle-specific supplementary sets!
- ... **may only** be used on the vehicles specified in **Chapter 2**!
- ... **may only** be used up to a **max. load of 17,500 newtons**!
- ... **may only** be used manually, using muscle power with a manual drive!
- ... **may only** be used with genuine **GEDORE Automotive** spare parts and accessories!
- ... **must only** be used in the manner described in the operating instructions!
- ⚠ Any other use may result in **DEATH** or **SERIOUS INJURY** !

1.4 Reasonably foreseeable misuse

The SPRING PRE-COMPRESSOR...

- ... **must never** be used to preload other shock absorbers or in any way other than that for which it is intended!
- ... **must never** be used to remove or perform the installation of a spring yourself!
- ... **must never** be used without the vehicle-specific supplementary kits required for pre-tensioning!
- ... **must never** be used with an impact or hammer drill!
- ... **must never** be used with a motorised drive or any drive other than that intended for its intended purpose!
- ... **must never** be used for batch processing involving many constantly recurring operations!
- ... **must never** be used with safety devices that have been bypassed, modified or removed!
- ... **must never** be altered, modified or used for any other purpose without authorisation!
- ⚠ **Always** use the special tool for its intended purpose. Any other use may result in **DEATH** or **SERIOUS INJURY** !

1.5 Personal protective equipment

For your own safety, please wear personal protective equipment when using the special tool! The special tool may pose mechanical hazards such as crushing, cuts and impact injuries.



Wear **EYE PROTECTION** (e.g. DIN EN 166, OSHA 29 CFR 1910.133, ANSI Z87) when using the special tool, to protect against flying debris or particles!

►When using the special tool, flying parts or particles may **cause SERIOUS INJURY to your eyes** !



Wear **PROTECTIVE GLOVES** (e.g. DIN EN 388, OSHA 29 CFR 1910.138, ANSI 105) when using the special tool, to protect against sharp edges and pinching between parts!

►When using the special tool, sharp edges and pinching between parts can **cause SERIOUS INJURY to your hands** !



Wear **SAFETY FOOTWEAR** (e.g. DIN EN ISO 20345, OSHA 29 CFR 1910.136, ANSI Z41) when using the special tool, to protect against falling parts!

►When using the special tool, falling parts may **cause SERIOUS INJURY to your feet and toes** !

1.6 Labelling of warning notices

Warnings indicate **potential hazards** which, if ignored, could in the worst-case scenario lead to **DEATH** or **SERIOUS INJURY** and must therefore be observed at all times. In these operating instructions, the warnings are classified as follows to make them easier to distinguish and recognise:

warning sign	meaning
 WARNING	Note of a potentially dangerous situation which, if not avoided, could result in DEATH or SERIOUS INJURY !
 CAUTION	Note of a dangerous situation which, if not avoided, could result in MODERATE or MINOR INJURIES !
ATTENTION	Note on a situation which, unless avoided, may result in damage to the tool or to objects in its vicinity!
	Notes 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, as well as extreme humidity and dampness!

- The workplace **must** be clean and tidy.
- The workplace **must** have a sufficient size and be well-lit.
- The workplace **must** have a stable and non-slip surface.
- The workplace **must** be secured to prevent unauthorised persons from gaining access.
- The workplace **must** have a room temperature within the range of -10°C to +40°C.

1.8 Emissions

Hydraulic oil and molybdenum disulphide paste may drip or leak when the special tool is used, and may pose a risk to the environment.

- **Immediately** remove any **leaking** hydraulic oil as well as excess molybdenum disulphide paste, e.g. using an oil absorbent or a cleaning cloth.
- If the product comes into contact with your skin, wash the affected area **immediately** with grease-dissolving soap and water.
- **Always** dispose of hazardous substances such as hydraulic oil and molybdenum disulphide paste **in an environmentally responsible 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 disulphide paste (**MOLYKOTE® G-N PLUS PASTE**) can be found on the manufacturer's website (**World Wide Web**) or, if necessary, by contacting **GEDORE-Automotive**.

1.9 Basic safety, warning and handling instructions

WARNING **CAUTION** **ATTENTION**

Failure to comply may result in life-threatening situations, injuries and damage!

When using the special tool, always observe the following safety, warning and handling instructions, and strictly adhere to all measures to prevent life-threatening situations, injuries and damage to property resulting from hazards, misuse, abuse or improper handling.

- ▶ **For use by qualified personnel only:** This specialised tool must only be used in specialist automotive workshops by trained professionals, who possess the necessary expertise and are familiar with the applicable regulations.
- ▶ **Do not use whilst tired or under the influence:** This specialised tool must never be used by unauthorised persons as well as by those with restricted authorisation, nor by anyone who is tired or under the influence of intoxicating substances.
- ▶ **Read the instructions:** The special tool must be used in accordance with these operating instructions as well as any instructions for accessories, and all instructions, warnings and notes contained therein must be strictly observed.
- ▶ **Comply with applicable safety regulations:** The special tool must always be used in accordance with the applicable regulations on health and safety at work, accident prevention and environmental protection.
- ▶ **Wear personal protective equipment:** When using the special tool, you must always wear the required protective equipment, such as safety goggles, protective gloves and safety footwear.
- ▶ **Use only genuine parts:** The special tool must only be used with genuine spare parts and accessories from GEDORE Automotive.
- ▶ **Check before use:** Before use, the special tool must be checked for damage, loose parts as well as unauthorised modifications, and to ensure it is suitable for the intended application.
- ▶ **Regular safety checks:** For safety reasons, the special tool should undergo a safety check every 24 months, carried out by authorised GEDORE-Automotive specialists.
- ▶ **Do not use if damaged or faulty:** The special tool must not be used if it is damaged or has any other faults, and must be checked and repaired before its next use.
- ▶ **Repairs or maintenance must only be carried out by qualified personnel:** For safety reasons, this specialised tool must only be repaired or serviced by specially trained GEDORE-Automotive personnel.
- ▶ **Stop work immediately if handling is unsafe:** The special tool must not be used if it cannot be handled safely; if necessary, consult the instructions or seek assistance from GEDORE Automotive if necessary.
- ▶ **Regular cleaning and lubrication:** The specialised tool, in particular its moving parts and the spindle, must be checked regularly for contamination, cleaned if necessary, and treated with approved lubricants.
- ▶ **Do not use power drives:** The special tool must never be used with power drives, but only in accordance with its intended use, i.e. with a manual drive operated by muscle power.
- ▶ **Follow vehicle-specific applications:** When carrying out vehicle-specific applications, the special tool must always be used in accordance with the vehicle manufacturer's instructions and specifications.
- ▶ **Ensure the immediate work area is safe:** The special tool must only be used if there are no unauthorised persons in the immediate work area.
- ▶ **Ensure stability:** The special tool must always be checked to ensure it is securely held in place and must be secured, for example, by holding it firmly or using a safety belt.
- ▶ **Never exceed the maximal load:** The special tool must never be overloaded or operated with a load exceeding the maximum permitted limit.
- ▶ **Never use for mass production:** The special tool must never be used in mass production, particularly not in processes that are repeated rapidly and carried out over short distances.
- ▶ **Never leave unattended whilst under load:** The special tool must never be left unattended on the vehicle or component, particularly whilst under load.
- ▶ **Avoid damaging forces:** The special tool must never be subjected to impacts, clamping or other damaging forces, particularly whilst under load.
- ▶ **Cleaning after use:** After use, the special tool must only be cleaned with a clean, dry cloth; immersing it in water, solvents or other cleaning fluids is strictly prohibited.
- ▶ **Environmentally sound disposal:** Specialised tools and packaging materials must always be disposed of in an environmentally sound manner, in accordance with legal requirements; if in any doubt, please contact the local authorities.
- ▶ **Exclusion of liability, warranty and guarantee:** The special tool must always be used in accordance with the safety instructions; in the event of non-compliance or misuse, the user assumes sole responsibility, and GEDORE-Automotive excludes any claims for liability, warranty or guarantee.
- ▶ **Disclaimer regarding the documentation:** The special tool and its application are described in detail in this manual; however, technical changes, errors, omissions, inaccuracies, mistakes, as well as damage or consequences resulting from incorrect application or misuse can never be ruled out.

1.10 Maintenance

Carry out maintenance on the special tool regularly and only when it is unloaded! Inadequate or improper maintenance may cause damage to the special tool and, when used, may result in life-threatening situations, serious injury as well as damage to property.

Before each use:

- ▶ **Before each use, carefully** check the special tool for damage, loose parts or unauthorised modifications, and, in particular, ensure that all bolt connections are secure.
- ▶ **Before each use**, check **the** moving parts and spindle(s) of the special tool to ensure they move freely and are free from contamination; if necessary, clean them and then lubricate them exclusively with molybdenum disulphide paste such as **MOLYKOTE® G-N PLUS Paste** or an equivalent product.

Recommended every 24 months:

- ▶ Have the special tool inspected for safety **every 24 months** by authorised **GEDORE Automotive** technicians.

1.11 Troubleshooting

Only carry out troubleshooting on the special tool when it is not under load!

Problem: The clamping nuts (drive nuts) are stiff.

Cause: Clamping nuts and spindles are contaminated or inadequately lubricated, or the wrong lubricant has been used.

Remedy: Clean the clamping nuts and spindles, check them for damage and lubricate them **exclusively** with molybdenum disulphide paste such as **MOLYKOTE® G-N PLUS Paste** or an equivalent product.

1.12 Care / Storage

ATTENTION

Improper care and storage can cause damage to the specialised tool.

- ▶ **Never** immerse the special tool in water, solvents or other cleaning fluids.
- ▶ Clean the special tool using **only** a dry, clean cloth.
- ▶ Lubricate the special tool **exclusively** with molybdenum disulphide past, such as **MOLYKOTE® G-N PLUS Paste** or an equivalent product.
- ▶ **Only** use special acid-free oils or greases designed for tool maintenance to protect the special tool.
- ▶ **It is essential that** you store the special tool in a dry and clean place, together with the accompanying operating instructions.

1.13 Repair

WARNING

Improper maintenance of the special tool may result in **DEATH** or **SERIOUS INJURY**.

- ▶ If any damage, loose parts or unauthorised modifications are found on the special tool, it must no longer be used for safety reasons!
- ▶ Repairs must only be carried out by specially trained technical staff at **GEDORE-Automotive**!
- ▶ For this specialised tool, please use **only** genuine **GEDORE Automotive** spare parts and accessories!

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

1.14 Environmentally sound disposal

Dispose of the specialised tool and packaging material in an environmentally responsible manner, in accordance with legal requirements. If necessary, contact your local authority to enquire about environmentally friendly disposal options.

2. PRODUCT DESCRIPTION

2.1 KL-0029-200 (E/K) – Spring Pre-Compressor (Base Tool) for McPherson struts

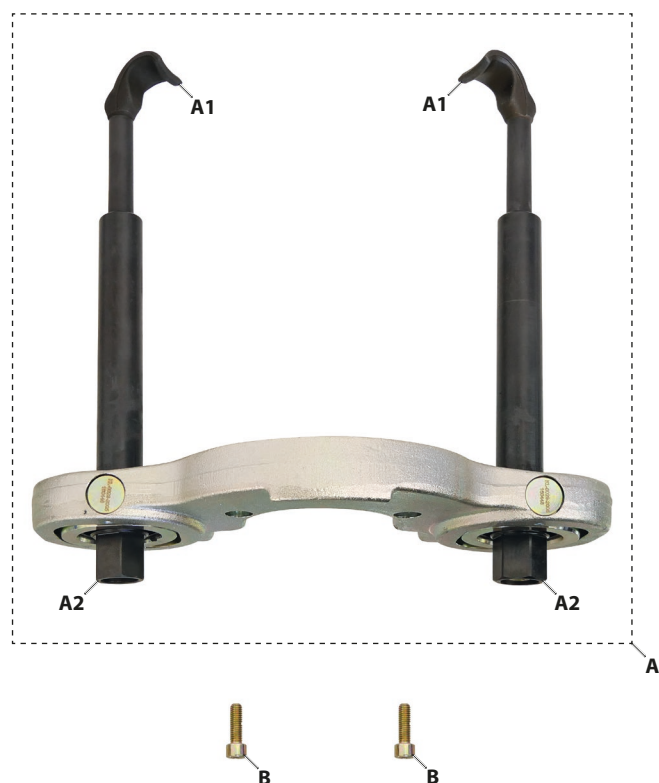
This unique specialised tool makes it easy to reduce the overall length of the strut by pre-tensioning it, thereby enabling McPherson struts to be removed and installed considerably more quickly, particularly on vehicle axles with strut clamping holes.

This completely eliminates time-consuming tasks such as loosening the drive shaft, the control arm, the tie rod and track rod joints, as well as carrying out a wheel alignment.

Required accessories: Vehicle-specific supplementary sets – **KL-0029-1.. series** (see **Chapter 2.4**)

⚠ WARNING

The spring pre-compressor must never be used to remove or perform the installation of a spring yourself!



2.2 Scope of delivery

Pos.	Description	Qty.
A	Spring pre-compressor (Base Tool)	1
A1	Hooks	2
A2	Clamping nut	2
B	Fixing screws for the support plate	2

ⓘ KL-0029-200 E also available as an insert – KL-0029-1090-1 A
 KL-0029-200 K, additionally in a storage case – KL-0029-2090



The required vehicle-specific supplementary sets
can be found in **Chapter 2.4**

2.3 Technical Data

Max. load capacity: 17 500 N

Clamping nut drive:..... AF 27 mm

Clamping range (min/max): 250 – 410 mm

Clamping travel:..... 160 mm

KL-0029-20 KA

KL-0029-20 KA - Spring Pre-Compressor for McPherson struts

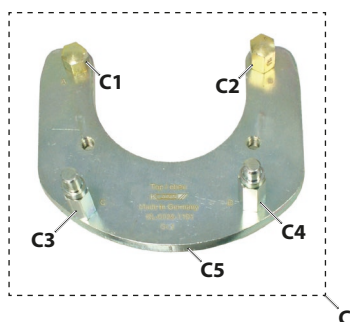
Consists of KL-0029-200 K + KL-0029-110 B.

2.4 Supplementary sets for the base tool

When used in conjunction with the vehicle-specific update kits, the spring pre-compressor (base tool) is suitable for the vehicles listed below.

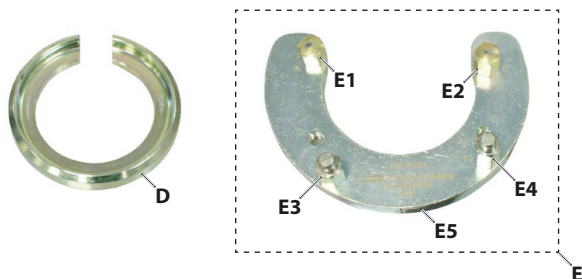
KL-0029-110 B –Supplementary set: Size 1, 2, 3, VW-Audi

Consists of KL-0029-111 + KL-0029-120 A + KL-0029-130 B.

KL-0029-111 - Support plate with size 1 bolts, VW-Audi

KL-0029-111 – Support plate with bolts, size 1, VW-Audi

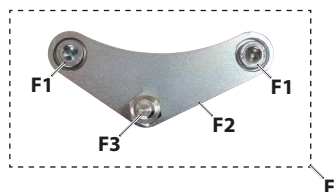
Suitable for VW and Audi vehicles based on the MQB platform, such as the VW Golf VII (5G) and Audi A3 (8V), etc.

Pos.	Part no.	Description	Qty.
C	KL-0029-111	Support plate, size 1, with bolts	1
C1	KL-0029-1102	12.5 mm length bolt	1
C2	KL-0029-1103	19.5 mm length bolt	1
C3	KL-0029-1104	Bolt with pin, 33.5 mm long	1
C4	KL-0029-1105	Bolt with a 37 mm length of pin	1
C5	KL-0029-1101	Support plate, size 1	1

KL-0029-120 A - Supplementary set, Size 2, VW-Audi

KL-0029-120 A – Supplementary set, size 2, VW-Audi

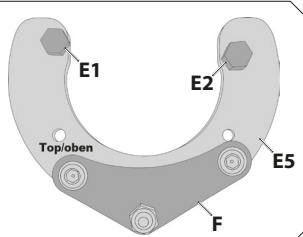
Suitable for VW, Audi, Seat and Škoda vehicles based on the PQ35 platform, such as the VW Caddy III (2K), EOS (1F7), Golf V (1K, 6R), Golf VI (5K), Golf Plus (5M), Jetta III (1K2), Passat (3C, 363, 365), Scirocco (137), Touran (1T), Tiguan (5N); Audi A3 (8P), TT (8J), Q3 (8U); Seat Altea (5P1), Altea XL (5P1), Leon II (1P1), Toledo III (5P2); Škoda Octavia (1Z3), Octavia (1Z5), Superb (3T4) etc.

Pos.	Part no.	Description	Qty.
D	KL-0029-1209 A	Support ring, size 2, open	1
E	KL-0029-121	Support plate, size 2, with bolts	1
E1	KL-0029-1102	12.5 mm length bolt	1
E2	KL-0029-1103	19.5 mm length bolt	1
E3	KL-0029-1202	Bolt with a 18.1 mm length of pin	1
E4	KL-0029-1203	Bolt with a 21.3 mm length of pin	1
E5	KL-0029-1201	Support plate, size 2	1

KL-0029-122 - KYB add-on for KL-0029-120 A, VW-Audi


Attach [F] as shown,
to the support plate [E5]*.

* **Included** in the
supplementary set:
KL-0029-120 A.

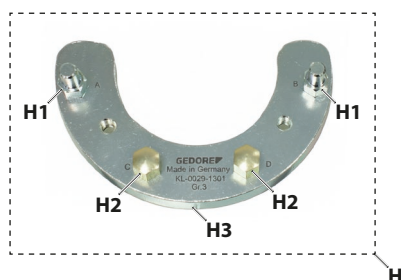

KL-0029-122 - KYB add-on for KL-0029-120 A, VW-Audi

Suitable for VW, Audi, Seat and Škoda vehicles based on the PQ35 platform, **fitted with aftermarket struts from KYB (KAYABA)** (e.g. KYB 334834). Built-in, for example, for the VW Golf V (1K), Golf VI (5K, AJ), Golf Plus (5M), Jetta V (1K), Jetta VI (5K, AJ), Beetle (5C) and Caddy III (2K, 2C); Audi A3 (8P); Seat Altea (5P), Altea XL (5P), Leon (1P), Toledo III (5P); Skoda Octavia II (1Z), Yeti (5L).

Pos.	Part no.	Description	Qty.
F	KL-0029-122	KYB replacement part for KL-0029-120 A, VW-Audi	1
F1	KL-1615-1128	M8 x 16 mm cylinder bolt	2
F2	KL-0029-1221	Support plate for size 2 support panel	1
F3	KL-0029-1222	Bolt with 20 mm pin	1

① Required supplementary sentence:

KL-0029-120 A – Supplementary set, Size 2, VW-Audi

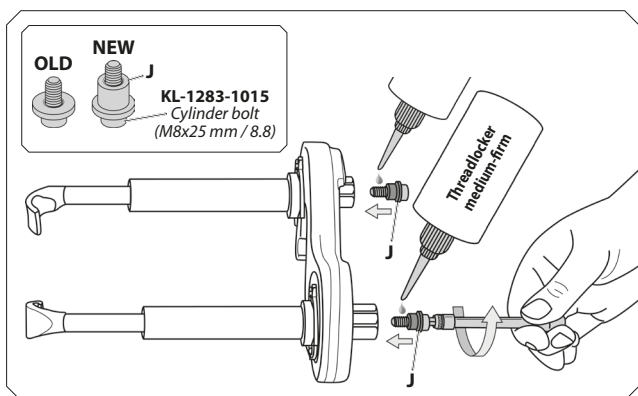
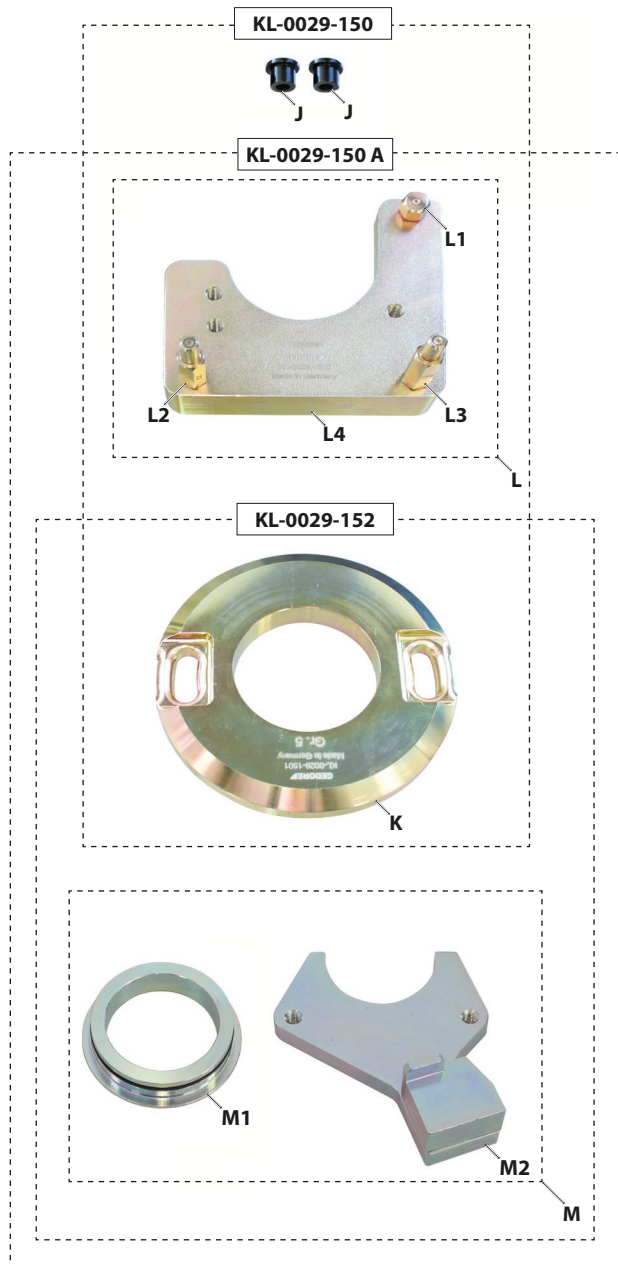
KL-0029-130 B – Supplementary set, Size 3, VW-Audi

KL-0029-130 B - Supplementary set, size 3, VW-Audi

Suitable for VW, Audi, Seat and Škoda models based on the PQ25 as well as the NSF platforms.

Fitted, for example, in the Audi A1 (8X); VW Polo V (60 / 61 / 6R / 6C), Up! (12 / BL); Seat Ibiza IV (6J / 6P), Mii (KF / KE), Toledo IV (KG); Škoda Citigo (NF1), Fabia III (NJ), Rapid (NH / NK) and others.

Pos.	Part no.	Description	Qty.
G	KL-0029-1309 B	Support plate, size 3	1
H	KL-0029-131	Support plate, size 3, with bolts	1
H1	KL-0029-1302	Bolt with a 8.5 mm length pin	2
H2	KL-0029-1102	12.5 mm length bolt	2
H3	KL-0029-1301	Support plate, size 3	1

KL-0029-15. – Ford supplementary sets



KL-0029-150 - Supplementary set, size 5, Ford

Suitable for Ford front suspension struts. The installation is performed on models such as the Ford Mondeo IV (BA7), S-Max (WA6) and Galaxy (WA6).

Pos.	Part no.	Description	Qty.
J	KL-0029-1002-1	Extension sleeve	2
K	KL-0029-1501	Support ring, size 5	1
L	KL-0029-151	Support plate, size 5, with bolts	1
L1	KL-0029-1503	8 mm bolt	1
L2	KL-0029-1504	Bolt with 22 mm pin	1
L3	KL-0029-1505	Bolt with 26 mm pin	1
L4	KL-0029-1502	Support plate, size 5	1

Important note:

If you are using the older base tool **KL-0029-100** – it **must** first be upgraded with the extension sleeves [J]!

This allows for an opening width that is **approximately 11 mm** longer, which is required when using the **KL-0029-150** supplementary set. (see bottom left)

KL-0029-150 A - Supplementary set, sizes 5 + 8, Ford

Suitable for McPherson struts, particularly on Ford vehicles. Fitted, for example, on the Ford Mondeo IV (BA7), S-Max (WA6) and Galaxy (WA6), as well as the Ford Kuga I and Kuga II (DM2).

Pos.	Part no.	Description	Qty.
L	KL-0029-151	Support plate, size 5, with bolts	1
L1	KL-0029-1503	8 mm bolt	1
L2	KL-0029-1504	Bolt with 22 mm pin	1
L3	KL-0029-1505	Bolt with 26 mm pin	1
L4	KL-0029-1502	Support plate, size 5	1
K	KL-0029-1501	Support ring, size 5	1
M	KL-0029-1520	Ford supplementary set, size 8, small	1
M1	KL-0029-1521	Adaptor ring with o-ring	1
M2	KL-0029-1522	Support plate, size 8, with support	1

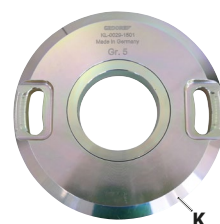
KL-0029-152 - Supplementary set, size 8, Ford

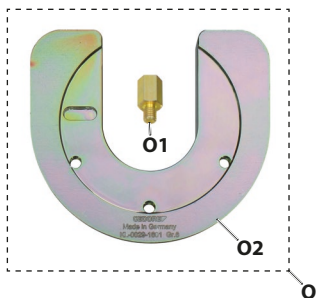
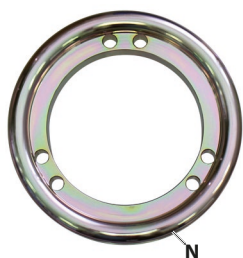
Suitable for Ford front suspension struts, e.g. on the Ford Kuga I and Kuga II (DM2).

Pos.	Part no.	Description	Qty.
K	KL-0029-1501	Support ring, size 5	1
M	KL-0029-1520	Ford supplementary set, size 8, small	1
M1	KL-0029-1521	Adaptor ring with o-ring	1
M2	KL-0029-1522	Support plate, size 8, with support	1



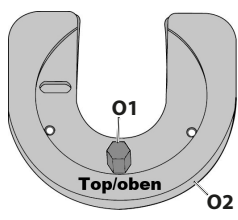
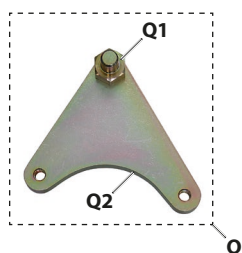
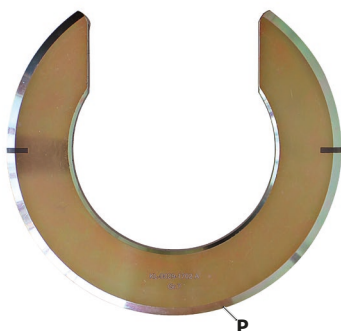
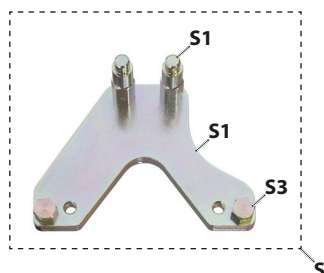
[M1] adaptor ring, as shown, into the support ring [K] from the rear.



KL-0029-160 A – Supplementary set, size 6, BMW


On the **BMW 5 Series (E39)**, the bolt [O1] is also fitted to on the support plate [O2].

For all other vehicles, this is not required.


KL-0029-170 - Supplementary set, size 7, VW T5

KL-0029-180 - Supplementary set, size 13, Nissan, Renault

KL-0029-160 A – Supplementary set, size 6, BMW

Suitable for BMW front suspension struts. Built-in for, for example, the BMW 3 Series (E46), (E90 / E91); 5 Series (E39), (E60 / E61); and 1 Series (E81 / E87).

Pos.	Part no.	Description	Qty.
N	KL-0029-1602 A	Support ring, size 6	1
O	KL-0029-161	Support plate, size 6, with bolts	1
O1	KL-0029-1103	Bolt, 19.5 mm length, BMW 5 Series (E39)	1
O2	KL-0029-1601	Support plate, size 6	1

KL-0029-170 - Supplementary set, size 7, VW T5,

Suitable for VW front-axle struts. Built-in for, for example, VW T5 (7J, 7H, 7E, 7F).

Pos.	Part no.	Description	Qty.
P	KL-0029-1702	Support ring, size 7	1
Q	KL-0029-171	Support plate, size 7, with bolts	1
Q1	KL-0029-1703	Bolt with 10 mm pin	1
Q2	KL-0029-1701	Support plate, size 7	1

KL-0029-180 - Supplementary set, size 13, Nissan, Renault

Suitable for front suspension struts on Renault and Nissan vehicles based on the CMF-C as well as CMF-D platforms (Common Module Family).

Fitted, for example, in the Renault Koleos II (HC), Kadjar (HA, HL); Nissan X-Trail III (T32), Qashqai II (J11), Qashqai III (J12) and many more.

Pos.	Part no.	Description	Qty.
R	KL-0029-1801	Support ring, size 13	1
S	KL-0029-181	Support plate, size 13, with bolts	1
S1	KL-0029-1812	Bolt with 10 mm pin	2
S2	KL-0029-1503	8 mm bolt	2
S3	KL-0029-1811	Support plate, size 13	1

3. PREPARATION
⚠ WARNING

If **used incorrectly** or **overloaded**, the spring tensioning device may slip, break and consequently fall or be hurled about. This could result in **DEATH** or **SERIOUS INJURY**!

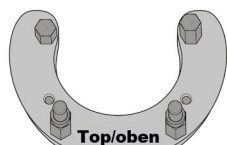
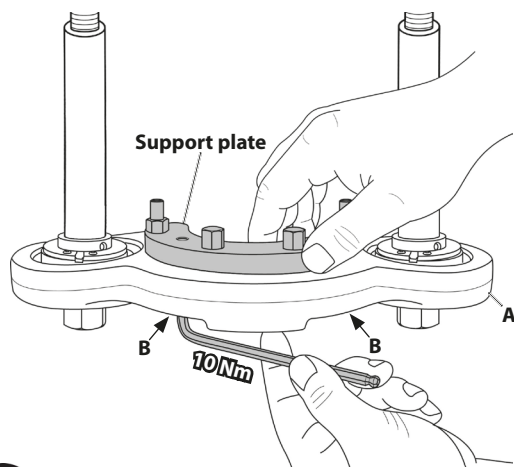
► **Before using** the spring tensioning tool, please read and understand **all** the safety as well as warning instructions listed in **Chapter 1**, and **always follow** them to ensure **safe use**!

► Use the spring tensioning device **for its intended purpose**, and **always** carry out maintenance and repair work in accordance with the basic regulations on health and safety at work and accident prevention, as well as the vehicle manufacturer's instructions!

► Before **each use**, **carefully** check the spring pre-tensioning device for damage, loose parts or unauthorised modifications, and **never** use it if any such issues are found!

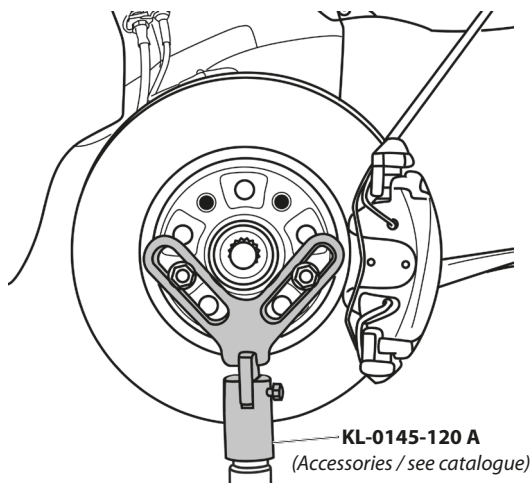
► **Always** wear **your** personal protective equipment (e.g. safety goggles, protective gloves, safety footwear) whilst at work!

- 📷1:** Select the suitable supplementary set and fit the support plate to the base tool.

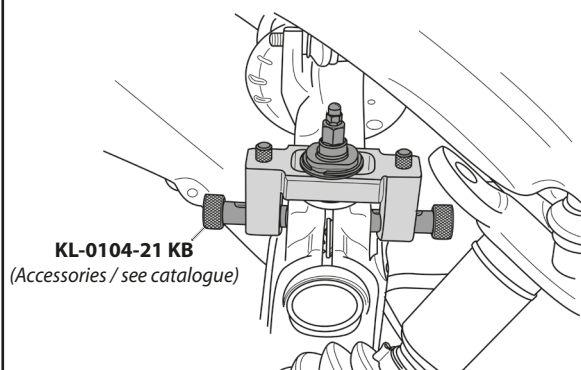


Check the configuration of the support plate using section 2.4.

- 📷2:** Secure the wheel bearing housing.



- 📷3:** Enlarge the strut clamping hole.



3.1 Check the scope of delivery

Before assembling the spring tensioning device ([A] base tool) and the supplementary sets, check that all parts included in the scope of delivery are present (see section 2.), and follow the instructions below.

3.2 Preparing the spring compressor

- Depending on the vehicle, select the required supplementary set from **section 2.4** and have it ready.

⚠️WARNING

The **support plate** may slip off the shock absorber, causing the spring pre-compressor to fall and be hurled about. This could result in **DEATH** or **SERIOUS INJURY**.

- Always check the configuration of the **support plate** before use, as described in **Chapter 2.4**!
 - Always fit the **support plate** to the base tool [A] with the 'Top/oben' label facing upwards!
- Secure the selected **support plate**, as shown in **📷1**, in the correct position on the base tool [A] using the fixing screws [B].
- ① **Perform tightening** on the fixing screws [B] clockwise to **10 Nm**.

3.3 Preparing the vehicle

⚠️ATTENTION

The vehicle, the brake hoses, cable connections and drive shafts may be damaged.

- Always follow the vehicle-specific procedures set out in the vehicle manufacturer's repair manual!
- Never subject sensitive vehicle components to tensile or compressive stress whilst using the spring pre-compressor.

- Lift the vehicle safely in accordance with the manufacturer's instructions and perform loosening or preparation of all required parts.

For example:

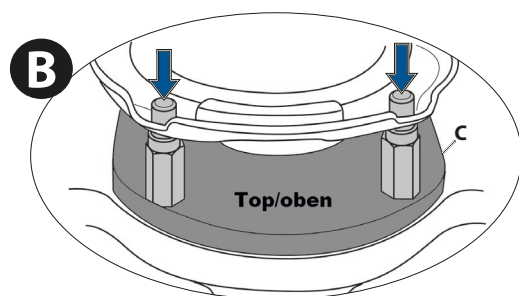
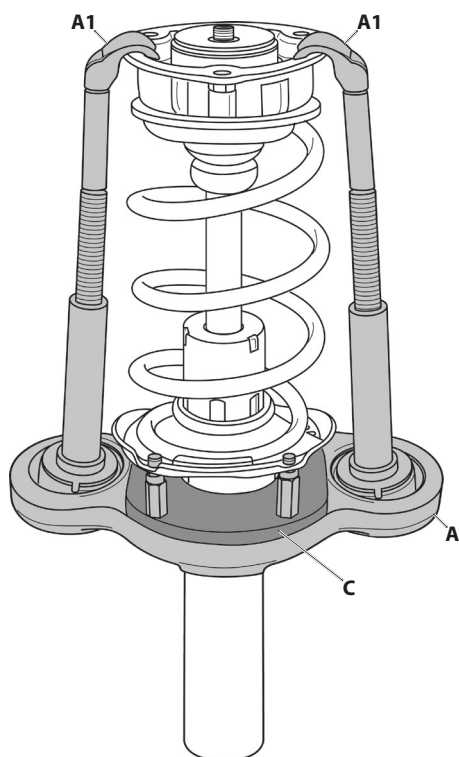
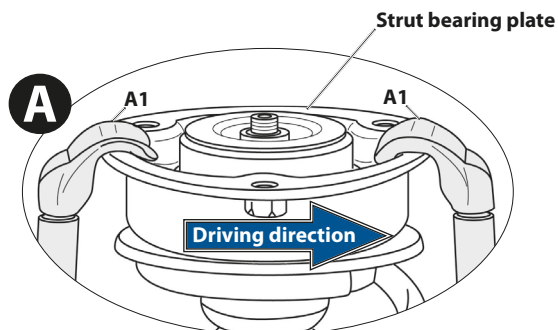
Remove the wheels and support the wheel bearing housing **📷2**, e.g. using the supporting device – **KL-0145-120 A** (accessories / see catalogue) and a gearbox jack (accessory).

Loosen the shock absorber at the shock tower and lower it slightly using the gearbox jack.

Enlarge the strut clamping bore **📷3**, e.g. using a spreader tool – **KL-0104-21 KB** (Accessories / see catalogue).

📷 4: Fit the base tool [A] to the strut...

...in conjunction with KL-0029-111
VW-Audi / MQB platform



4. APPLICATION EXAMPLE

This application example provides the description of how to preload a McPherson strut during the removal and installation of the strut on the front axle.

4.1 Fit the spring compressor to the shock absorber...

Depending on the vehicle, the base tool [A] is fitted to the strut together with the vehicle-specific supplementary set.

Attach the base tool [A] to the strut...

...in conjunction with **KL-0029-111** / *see section 4.1.1*

...in conjunction with **KL-0029-120 A** / *see section 4.1.2*

...in conjunction with **KL-0029-122** / *see section 4.1.3*

...in conjunction with **KL-0029-130 B** / *see section 4.1.4*

...in conjunction with **KL-0029-150** / *see section 4.1.5*

...in conjunction with **KL-0029-152** / *see section 4.1.6*

...in conjunction with **KL-0029-160 A** / *see section 4.1.7*

...in conjunction with **KL-0029-170** / *see section 4.1.8*

...in conjunction with **KL-0029-180** / *see section 4.1.9*

4.1.1 ...in conjunction with KL-0029-111

⚠ WARNING

The hooks [A1] and the support plate [C] may slip off the shock absorber. This could cause the spring pre-compressor to fall and be hurled about. This could result in **DEATH** or **SERIOUS INJURY**.

- **Be sure to** remove any dirt and loose rust from the strut support bearing!
- Make sure that the hooks [A1] at the top of the strut bearing plate are fully and securely engaged **📷 4A**
- Ensure that the bolts on the support plate [C] are fully and securely engaged in the bores in the lower spring plate **📷 4B**.

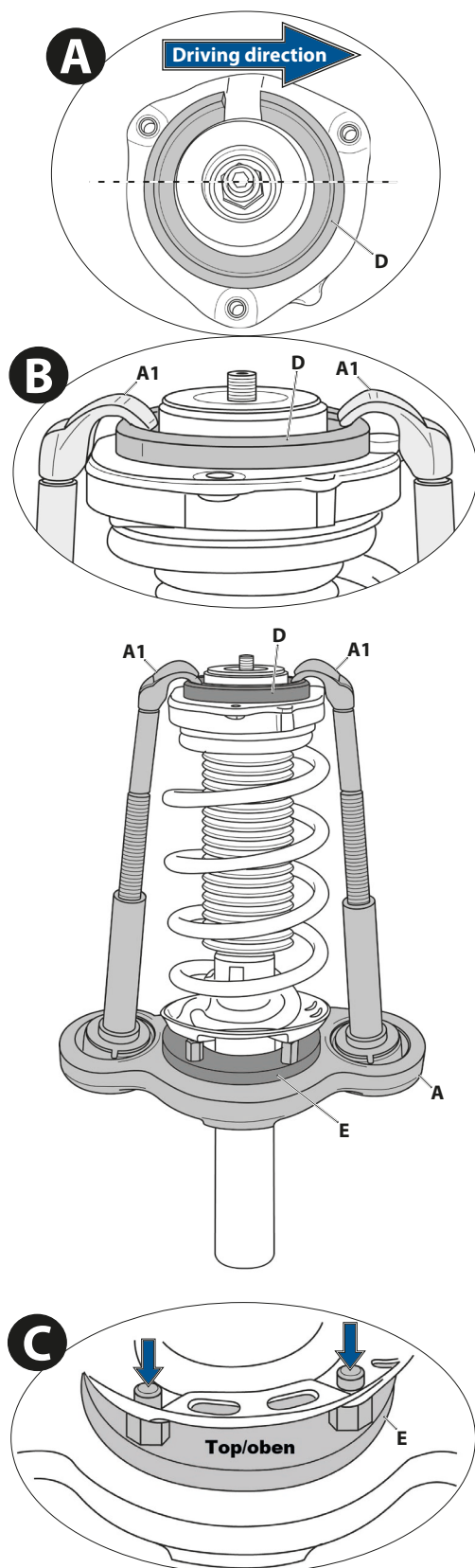
1. Position the prepared spring pre-compressor correctly on the shock absorber, as shown in **📷 4**.

2. Continue to:

- **Chapter 4.2 / Removal of the suspension strut.**
- **Chapter 4.3 / Installation of the suspension strut.**

📷 5: Fit the base tool [A] to the strut....

...in conjunction with KL-0029-120 A
VW-Audi, Seat, Škoda / PQ35 platform



4.1.2 ...in conjunction with KL-0029-120 A

⚠ WARNING

The support ring [D] may slip off the shock absorber support bearing. This could cause the spring pre-compressor to fall off and be hurled about. This could result in **DEATH** or **SERIOUS INJURY**.

- ✔ **Be sure to** remove any dirt and loose rust from the strut support bearing!
- ✔ Fit the support ring [D] flat and securely onto the spring strut bearing !

1. Place the support ring [D], as **shown** in 📷 5A+B , position the support ring correctly on the strut support bearing, with the opening facing towards the vehicle interior.

⚠ WARNING

The hooks [A1] and the support plate [E] may slip off the support ring [D] or the shock absorber strut. This could cause the spring pre-compressor to fall and be hurled about. This could result in **DEATH** or **SERIOUS INJURY**.

- ✔ Make sure that the hooks [A1] engage fully and securely with the top of the support ring [D] 📷 5B
- ✔ Ensure that the bolts on the support plate [E] are fully and securely engaged in the bores on the lower spring plate 📷 5C.

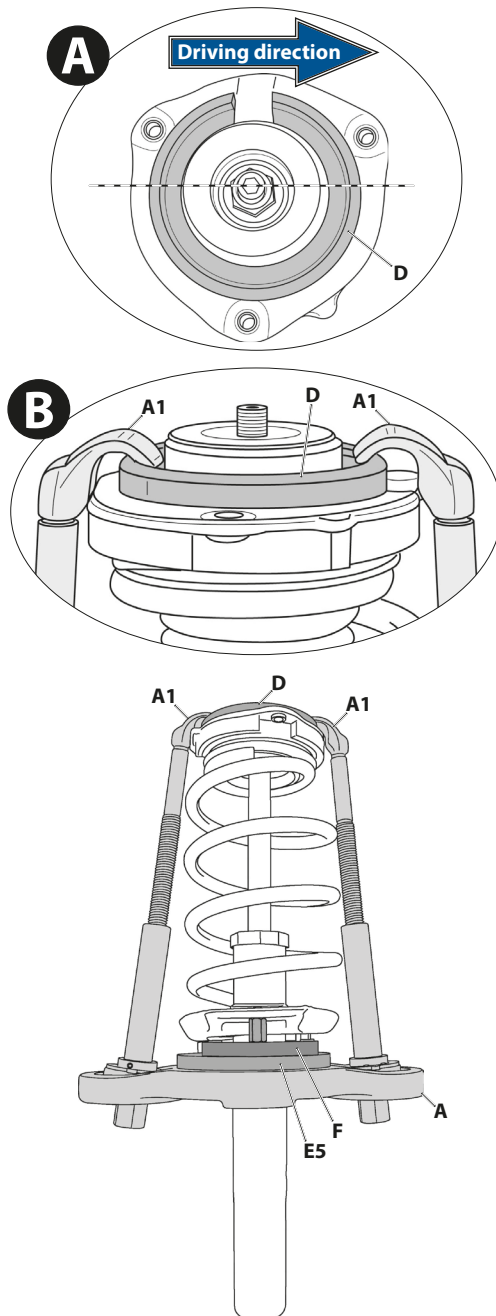
2. Position the prepared spring pre-compressor correctly on the shock absorber, as shown in 📷 5.

3. Continue to:

- **Chapter 4.2 / Removal of the suspension strut.**
- **Chapter 4.3 / Installation of the suspension strut.**

6: Fit the base tool [A] to the strut...

**...in conjunction with KL-0029-122
 + (Supplementary clause KL-0029-120 A)
 VW-Audi, Seat, Škoda / PQ35 platform
 with aftermarket shock absorbers from KYB (KAYABA)**



4.1.3 ...in conjunction with KL-0029-122

Note:

If you are using the **KYB - KL-0029-122 supplementary set**, **you will need the VW-Audi supplementary set, Size 2 - KL-0029-120 A!**

⚠ WARNING

The support ring [D] may slip off the shock absorber support bearing. This could cause the spring pre-compressor to fall off and be hurled about. This could result in **DEATH** or **SERIOUS INJURY**.

➤ **Be sure to** remove any dirt and loose rust from the strut support bearing!

➤ Fit the support ring [D] flat and securely onto the spring strut bearing!

1. Place the support ring [D] as **shown in 6A+B**, position the support ring correctly on the strut support bearing, with the opening facing towards the vehicle interior.

⚠ WARNING

The hooks [A1] and the support plate [E5] with extension [F] **may** slip off the support ring [D] or the suspension strut. This could cause the spring pre-compressor to fall and be hurled about. This could result in **DEATH** or **SERIOUS INJURY**.

➤ Make sure that the hooks [A1] engage fully and securely with the top of the support ring [D] **6B**

➤ Ensure that the bolts on the support plate [E5] (with extension [F]) are fully and securely engaged in the bores on the lower spring plate **6C**.

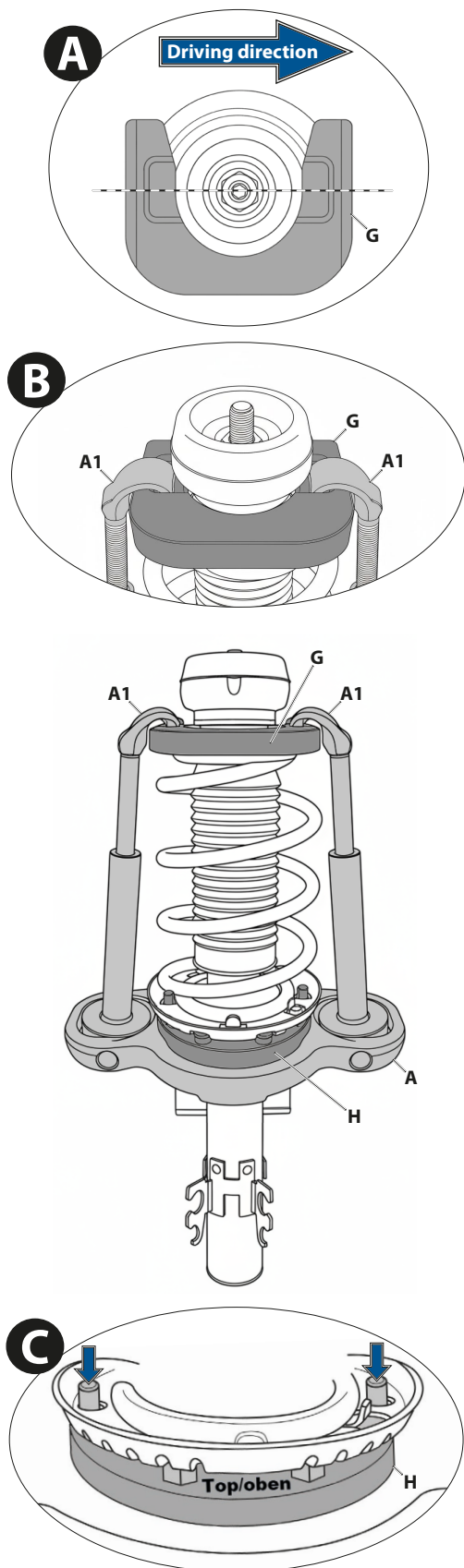
2. Position the prepared spring pre-compressor correctly on the shock absorber, as shown in **6**.

3. Continue to:

- **Chapter 4.2 / Removal of the strut.**
- **Chapter 4.3 / Installation of the strut.**

🔧 7: Fit the base tool [A] to the strut...

...in conjunction with KL-0029-130 B
VW-Audi, Seat, Škoda / PQ25 + NSF platform



4.1.4 ...in conjunction with KL-0029-130 B

⚠️ WARNING

The support ring [G] may slip off the shock absorber support bearing. This could cause the spring pre-compressor to fall off and be hurled about. This could result in **DEATH** or **SERIOUS INJURY**.

✔ **Be sure to** remove any dirt and loose rust from the strut support bearing!

✔ Fit the support ring [G] flat and securely onto the spring strut bearing !

1. Place the support ring [G] as **shown** in **🔧 7A+B** , position the support ring correctly on the strut support bearing, with the opening facing towards the vehicle interior.

⚠️ WARNING

The hooks [A1] may **slip off the** support ring [G] , as well as the support plate [H] . This could cause the spring pre-compressor to fall and be hurled about. This could result in **DEATH** or **SERIOUS INJURY**.

✔ Make sure that the hooks [A1] engage fully and securely with the top of the support ring [G] **🔧 7B**

✔ Ensure that the bolts on the support plate [H] are fully and securely engaged in the bores in the lower spring plate **🔧 7C**.

2. Position the prepared spring pre-compressor correctly on the shock absorber, as shown in **🔧 7**.

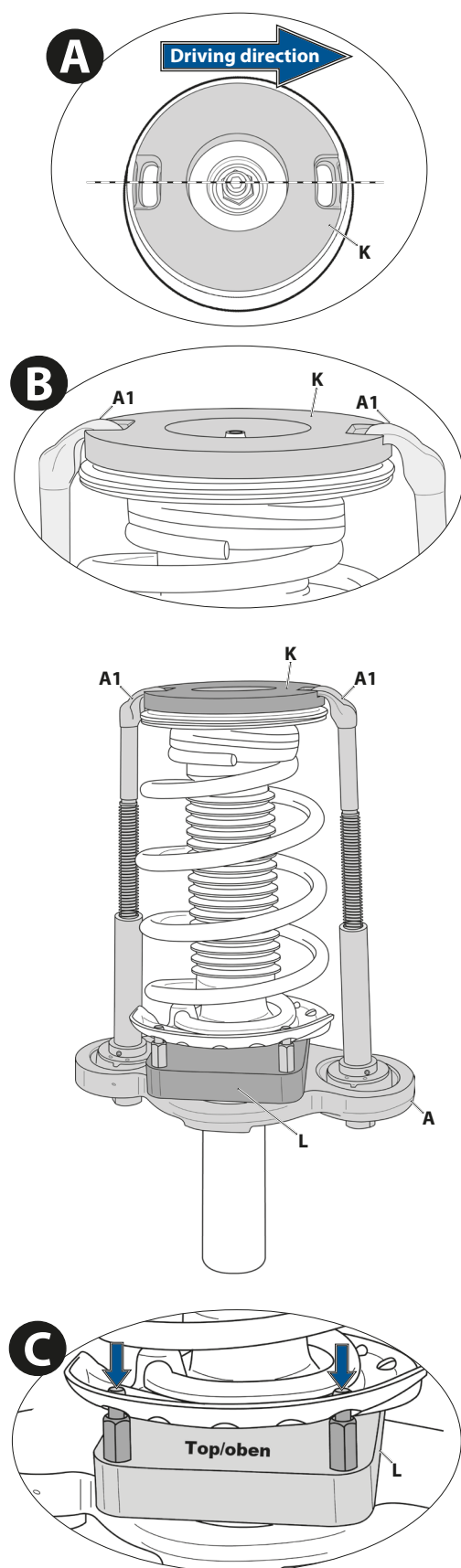
3. Continue to:

- **Chapter 4.2 / Removal of the strut.**
- **Chapter 4.3 / Installation of the strut.**

📷8: Fit the base tool [A] to the strut...

...in conjunction with KL-0029-150

Ford



4.1.5 ...in conjunction with KL-0029-150

⚠WARNING

The support ring [K] may slip off the shock absorber support bearing. This may cause the spring pre-compressor to fall and be hurled about. This can result in **DEATH** or **SERIOUS INJURY**.

✔ **Be sure to** remove any dirt and loose rust from the strut support bearing!

✔ Fit the support ring [K] flat and securely onto the spring strut bearing!

1. Position the support ring [K], as shown in 📷8A+B, onto the shock absorber support bearing, ensuring it is correctly positioned and facing in the driving direction.

⚠WARNING

The hooks [A1] and the support plate [L] may slip off the support ring [K] or the shock absorber strut. This could cause the spring pre-compressor to fall and be hurled about. This could result in **DEATH** or **SERIOUS INJURY**.

✔ Make sure that the hooks [A1] engage fully and securely with the top of the support ring [K] 📷8B

✔ Ensure that the bolts on the support plate [L] are fully and securely engaged in the bores in the lower spring plate 📷8C.

2. Position the prepared spring pre-compressor correctly on the shock absorber, as shown in 📷8.

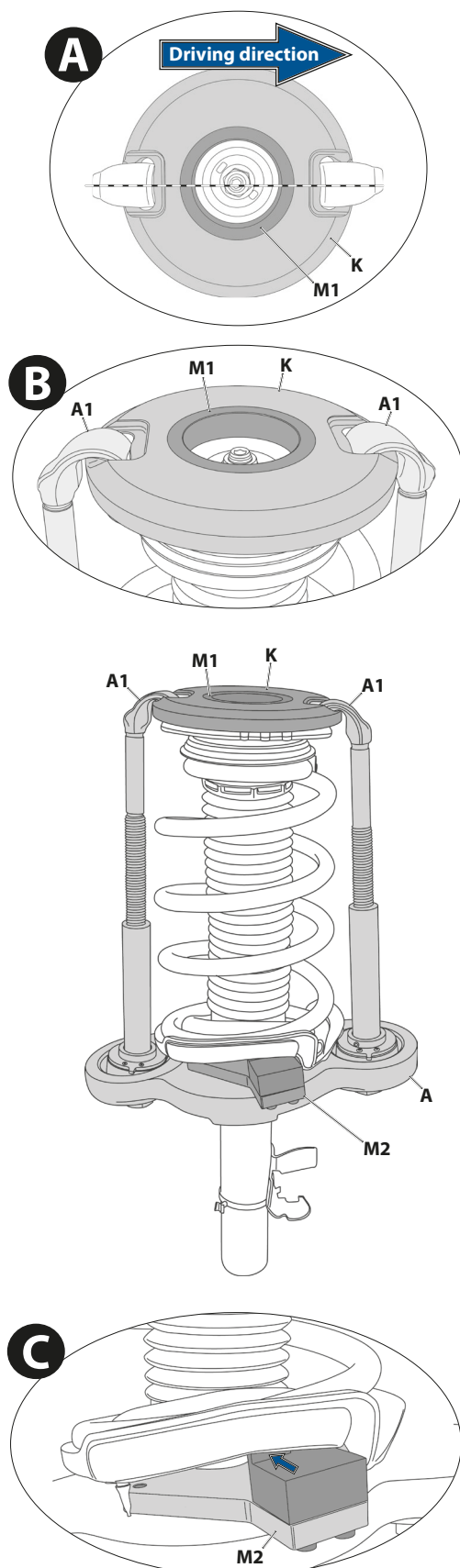
3. Continue to:

- Chapter 4.2 / **Removal of the strut.**
- Chapter 4.3 / **Installation of the strut.**

📷9: Fit the base tool [A] to the strut...

...in conjunction with KL-0029-152

Ford



4.1.6 ...in conjunction with KL-0029-152

⚠️WARNING

The support ring [K] with adaptor ring [M1] may slip off the shock absorber bearing plate. This may cause the spring pre-compressor to fall and be hurled about. This can result in **DEATH** or **SERIOUS INJURY**.

✔ Be sure to remove any dirt and loose rust from the strut support bearing!

✔ Fit the support ring [K] with the adaptor ring [M1] so that it sits flush and securely on the strut support bearing!

1. The support ring [K] with the adaptor ring [M1], as shown in 📷9A+B, onto the shock absorber support bearing, ensuring it is correctly positioned and facing in the driving direction.

⚠️WARNING

The hooks [A1] and the support plate [M2] may slip off the support ring [K] (using the adaptor ring [M1]) or off the shock absorber. This could cause the spring pre-compressor to fall and be hurled about. This could result in **DEATH** or **SERIOUS INJURY**.

✔ Ensure that the hooks [A1] at the top of the support ring [K] engage fully and securely with the adaptor ring [M1] 📷9B

✔ Make sure that the support plate [M2] is fully and securely seated against the lower spring plate 📷9C.

2. Position the prepared spring pre-compressor correctly on the shock absorber, as shown in 📷9.

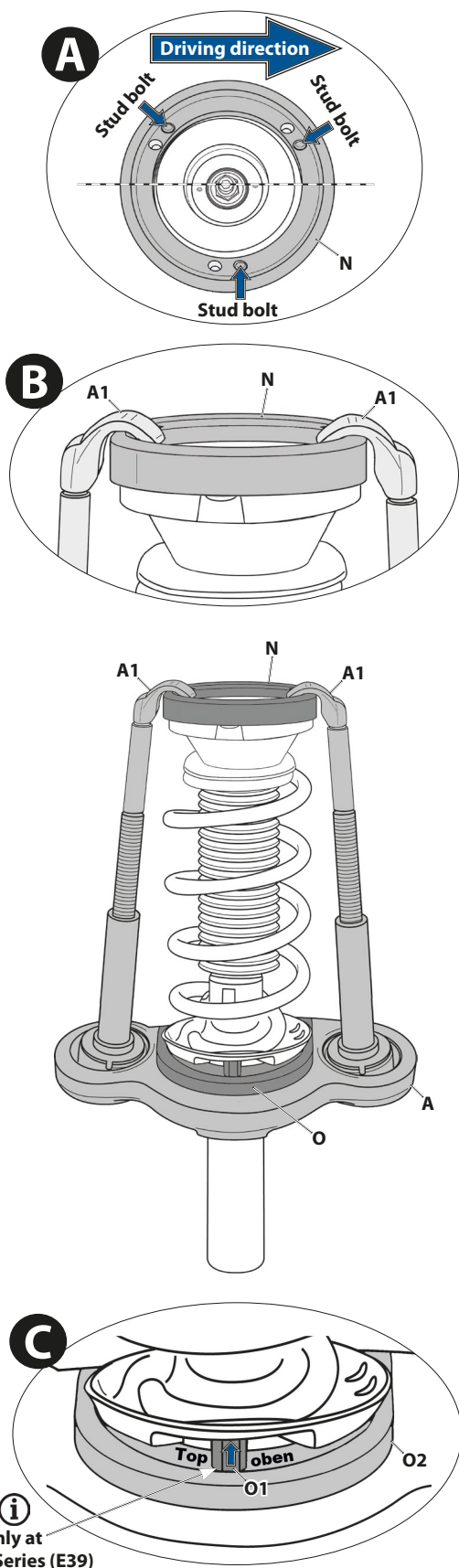
3. Continue to:

- Chapter 4.2 / **Removal of the suspension strut.**
- Chapter 4.3 / **Installation of the suspension strut.**

📷 10: Fit the base tool [A] to the strut...

...in conjunction with KL-0029-160 A

BMW



4.1.7 ...in conjunction with KL-0029-160 A

⚠ WARNING

The support ring [N] may slip off the shock absorber support bearing. This may cause the spring pre-compressor to fall and be hurled about. This can result in **DEATH** or **SERIOUS INJURY**.

- ✔ **Be sure to** remove any dirt and loose rust from the strut support bearing!
- ✔ Fit the support ring [N] flat and securely onto the spring strut bearing !
- ✔ **Please** ensure that all three stud bolts on the shock absorber support bearing are fully engaged in the bores in the support ring [N].

1. Position the support ring [N], as shown in 📷 10A+B , position the support ring correctly over the three stud bolts onto the strut support bearing.

⚠ WARNING

The hooks [A1] and the support plate [O] may slip off the support ring [N] or the shock absorber strut. This could cause the spring pre-compressor to fall and be hurled about. This could result in **DEATH** or **SERIOUS INJURY**.

- ✔ Make sure that the hooks [A1] engage fully and securely with the support ring [N] at the top 📷 10B
- ✔ Make sure that the bolts on the support plate [O] are fully and securely engaged in the bores in the lower spring plate 📷 10C.

⚠ ATTENTION

The shock absorber may be damaged.

- ✔ Please note that the bolt [O1] on the support plate [O2] is required **only** for the **BMW 5 Series (E39)**. For all other vehicles, proceed without it.

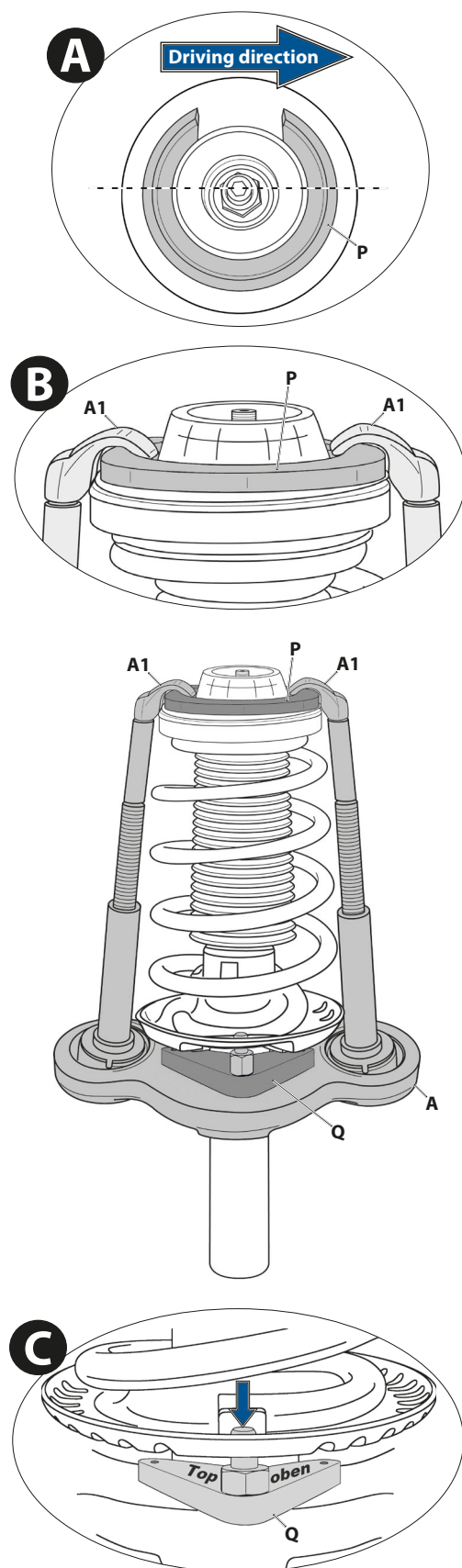
2. Position the prepared spring pre-compressor correctly on the shock absorber, as shown in 📷 10.

3. Continue to:

- Chapter 4.2 / Removal of the suspension strut.
- Chapter 4.3 / Installation of the suspension strut.

📷 11: Fit the base tool [A] to the strut...

...in conjunction with KL-0029-170
 VW T5



4.1.8 ...in conjunction with KL-0029-170

⚠️ WARNING

The support ring [P] may slip off the shock absorber support bearing. This may cause the spring pre-compressor to fall and be hurled about. This can result in **DEATH** or **SERIOUS INJURY**.

► **Be sure to** remove any dirt and loose rust from the strut support bearing!

► Fit the support ring [P] flat and securely onto the spring strut bearing !

1. Fit the support ring [P] **as shown** in 📷11A+B , fit the support ring in the correct position, with the opening facing the vehicle interior, onto the strut support bearing.

⚠️ WARNING

The hooks [A1] and the support plate [Q] may slip off the support ring [P] or the suspension strut. This could cause the spring pre-compressor to fall and be hurled about. This could result in **DEATH** or **SERIOUS INJURY**.

► Make sure that the hooks [A1] engage fully and securely with the top of the support ring [P] 📷11B

► Ensure that the bolt on the support plate [Q] is fully and securely engaged in the bore on the lower spring plate 📷11C.

2. Position the prepared spring pre-compressor correctly on the shock absorber, as shown in 📷11.

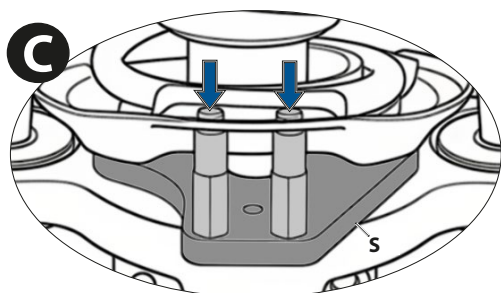
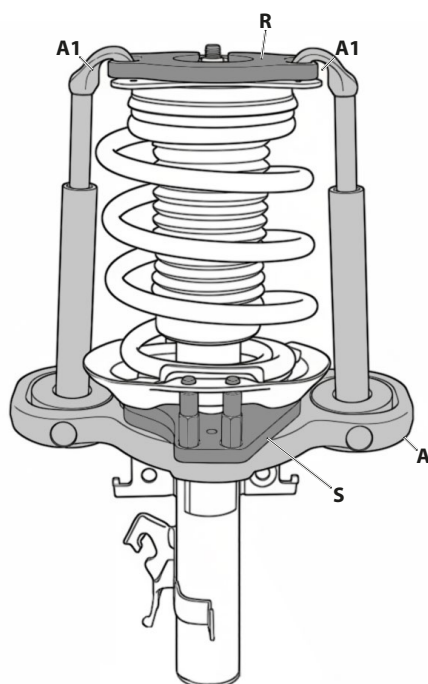
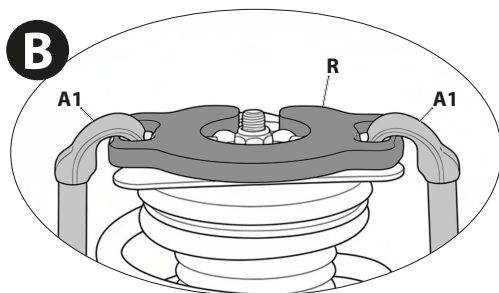
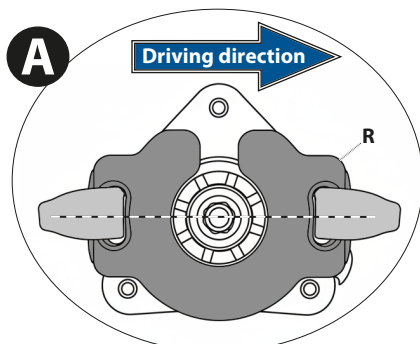
3. Continue to:

- Chapter 4.2 / **Removal of the suspension strut.**
- Chapter 4.3 / **Installation of the suspension strut.**

📷 12: Fit the base tool [A] to the strut...

...in conjunction with KL-0029-180

Renault, Nissan / CMF-C + CMF-D platform



4.1.9 ...in conjunction with KL-0029-180

⚠ WARNING

The support ring [R] may slip off the shock absorber support bearing. This could cause the spring pre-compressor to fall off and be hurled about. This could result in **DEATH** or **SERIOUS INJURY**.

✔ **Be sure** to remove any dirt and loose rust from the strut bearing!

✔ Fit the support ring [R] flat and securely onto the spring strut bearing!

1. Position the support ring [R] as shown in 📷 12A+B, position the support ring correctly on the strut support bearing, with the opening facing towards the vehicle interior.

⚠ WARNING

The hooks [A1] may **slip off** the support ring [R], as well as the support plate [S]. This could cause the spring pre-compressor to fall and be hurled about. This could result in **DEATH** or **SERIOUS INJURY**.

✔ Make sure that the hooks [A1] engage fully and securely with the top of the support ring [R] 📷 12B

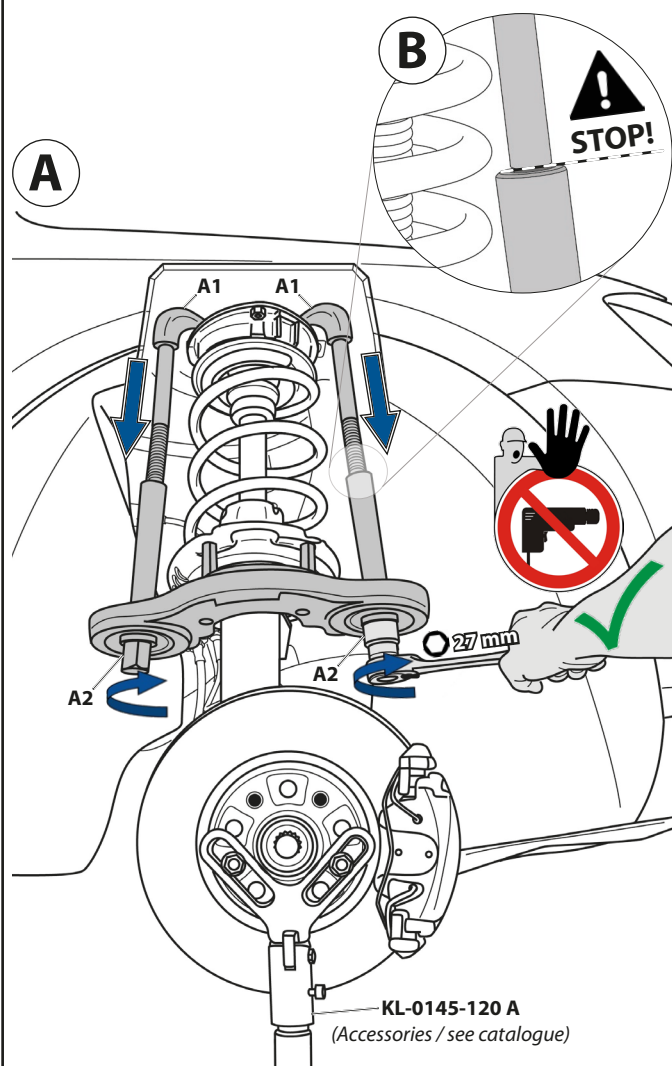
✔ Ensure that the bolts on the support plate [S] are fully and securely engaged in the bores on the lower spring plate 📷 12C.

2. Position the prepared spring pre-compressor correctly on the shock absorber, as shown in 📷 12.

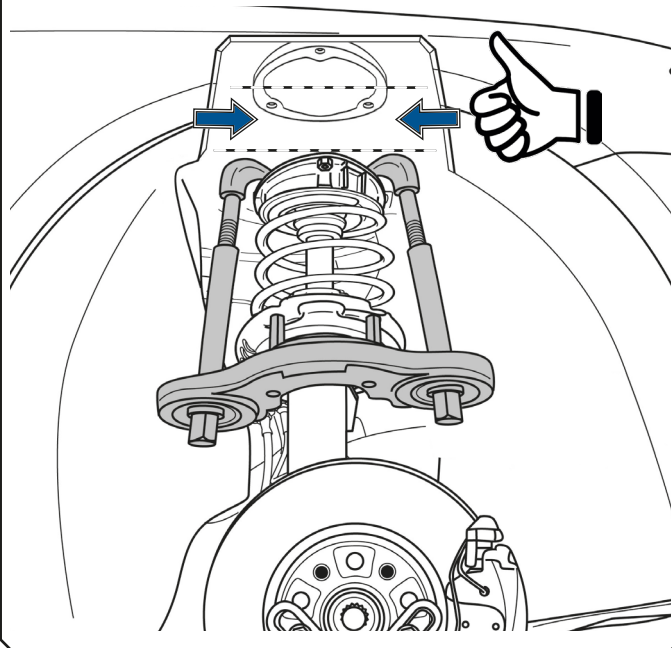
3. Continue to:

- Chapter 4.2 / **Removal of the suspension strut.**
- Chapter 4.3 / **Installation of the suspension strut.**

📸 13: Tighten the strut.



📸 14: The overall length of the shock absorber has been reduced sufficiently.



4.2 Removal of the shock absorber

⚠️ WARNING

Extremely high forces are at work when preloading shock absorbers! In the event of incorrect assembly, overloading as well as when the spring pre-compressor is driven by a machine, there is a risk of breakage or slippage. This can lead to **DEATH** or **SERIOUS INJURY** caused by parts being hurled about!

► Please note that the spring compressor is intended **solely** for reducing the overall length of the strut by compressing the spring, and is to be used during removal and installation of McPherson struts!

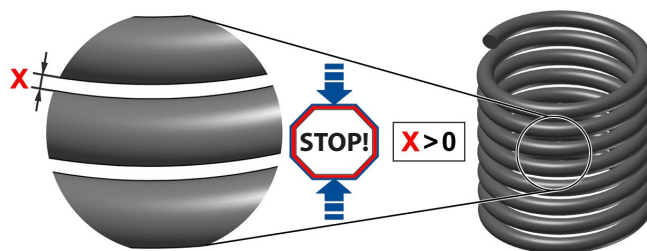
► **Always** ensure that all the required components of the spring preload tool are correctly positioned, level and securely in contact with or engaged in the shock absorber before applying preload!

► **Only** use the spring tensioning device with a manual drive powered by muscle strength, and **never with** a mechanical drive!

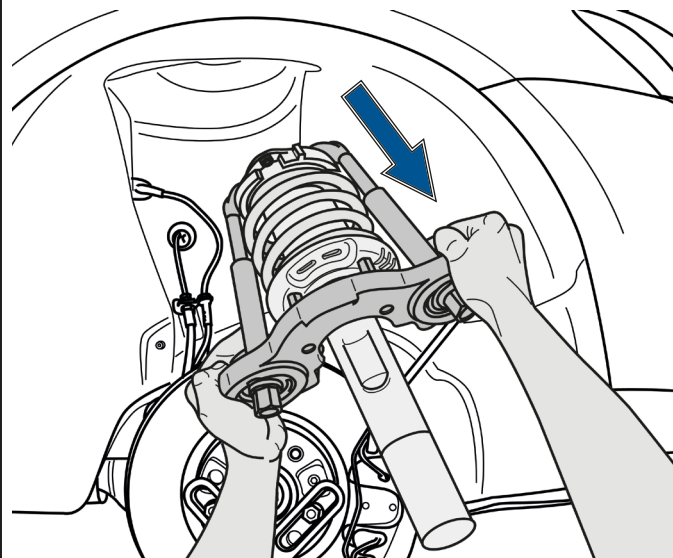
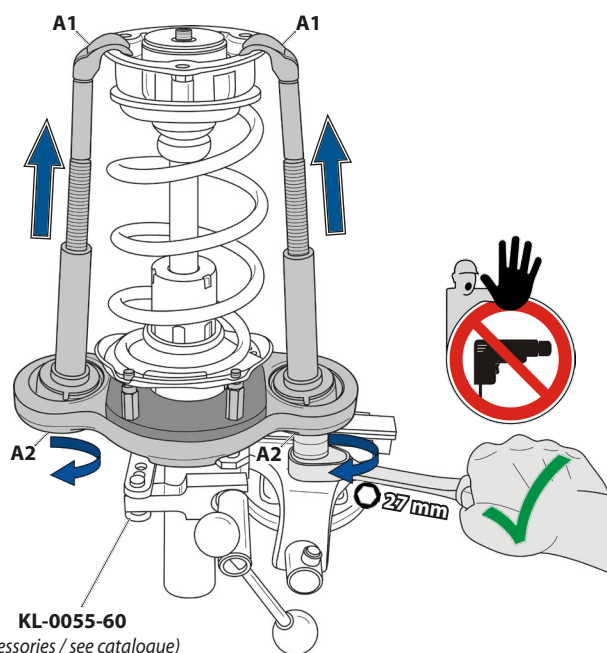
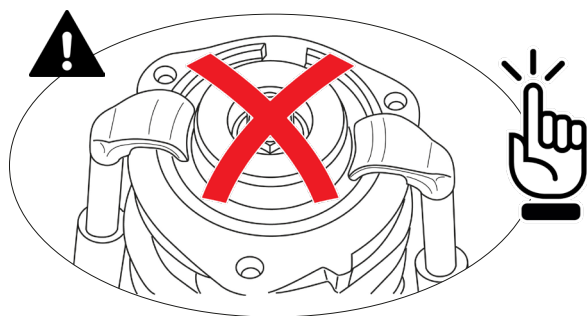
► **Never** exceed the **max. load capacity** of **17,500 newtons** for the spring pre-tensioning device!

► **Always** tighten the drive nuts [A2] alternately and evenly to ensure that the strut is pre-tensioned in a straight line and securely!

► Stop the tensioning process at the latest when no threads are visible on the hooks [A1] 📸 13B, or before the spring coils come into contact with one another (**see below**)!



1. Tighten the strut in a straight line, as shown in 📸 13. To do this, tighten both drive nuts [A2] (🌀 27 mm) alternately and evenly in a clockwise direction until the shock absorber has enough clearance to be removed from the shock absorber clamping hole later 📸 14.

 **15:** Removing the suspension strut from the vehicle.

 **16:** Unlock the shock absorber and remove the spring preload tool.


2. Enlarge the strut clamping hole, e.g. using a spreader tool – **KL-0104-21 KB** (Accessories / see catalogue).

Remove the strut from the strut clamping bore on the vehicle in accordance with the manufacturer's instructions

 **15.**

⚠ WARNING

The shock absorber may fall out when the spring pre-compressor is in use. This could result in **SERIOUS INJURY**.

► **Always** wear **your** personal protective equipment (*safety goggles, protective gloves, safety footwear*) whilst at work!

⚠ ATTENTION

The shock absorber may become deformed and damaged.

► **Never** clamp the shock absorber in a conventional wrench.

3. Clamp the shock absorber into a suitable locking tool, e.g. timing belt tensioner – **KL-0055-60** (accessories / see catalogue)

 **16.**

⚠ WARNING

If the spring pre-tensioning tool is used incorrectly, there is a risk of breakage or slippage. This can lead to **DEATH** or **SERIOUS INJURY** as a result of the vehicle spring, the spring strut support bearing and other parts being hurled about!

► **Never** open the piston rod nut on the strut, and **never** dismantle the strut in any way whilst using the pre-compressor!

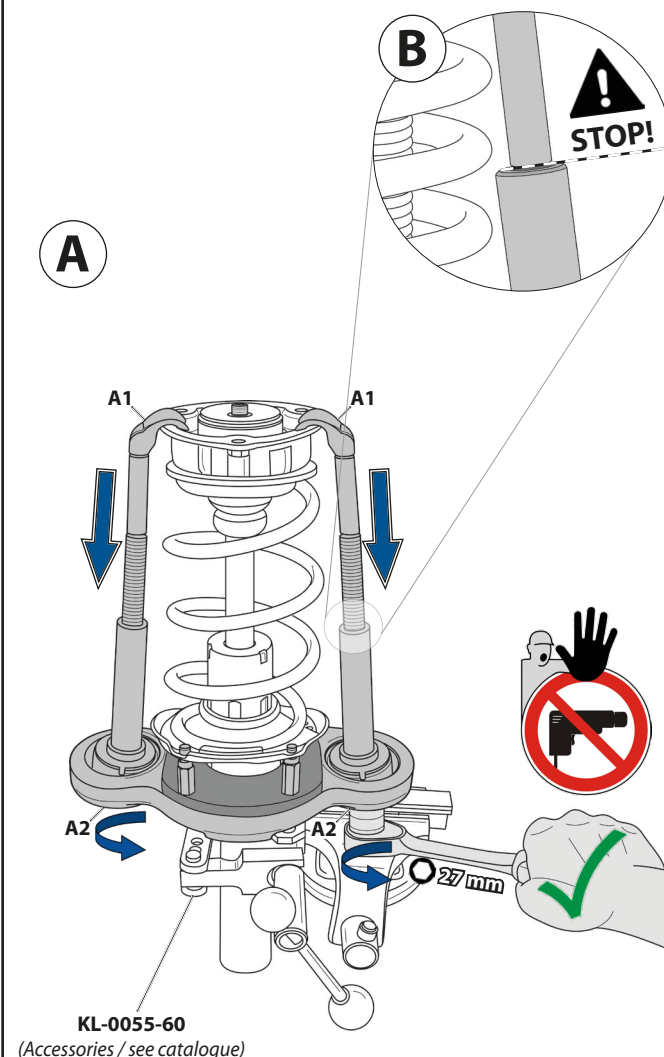
► **Only** dismantle the shock absorber in conjunction with a suitable spring compressor, e.g. **KL-0015 / KL-9002 / KL-5501**!

4. Loosen the shock absorber in a straight line, as shown in  **16**. To do this, loosen both drive nuts **A2** (⌀ 27 mm) alternately and evenly in an anti-clockwise direction until the hooks **A1** are clear.

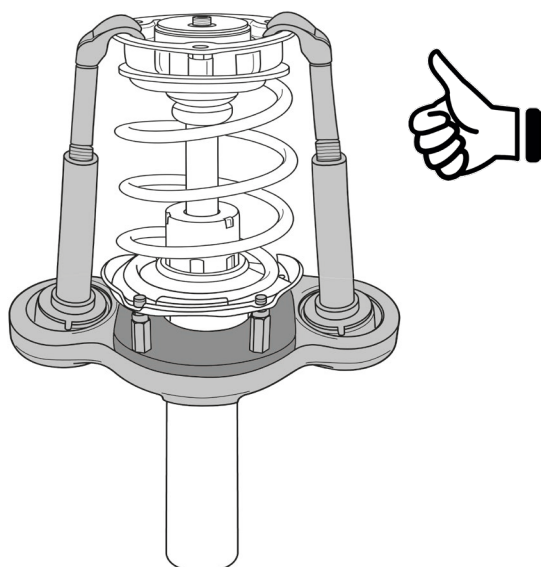
Next, remove the spring compressor from the strut.

5. Carry out any further work on the shock absorber in accordance with the manufacturer's instructions.

📷 17: Tighten the strut.



📷 18: The overall length of the shock absorber has been reduced sufficiently.



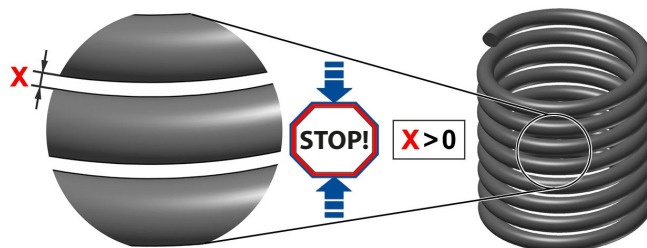
4.3 Installation of the shock absorber

1. Depending on the shock absorber, the spring pre-compressor **must** be **readjusted** in accordance with section 4.1 .

⚠️ WARNING

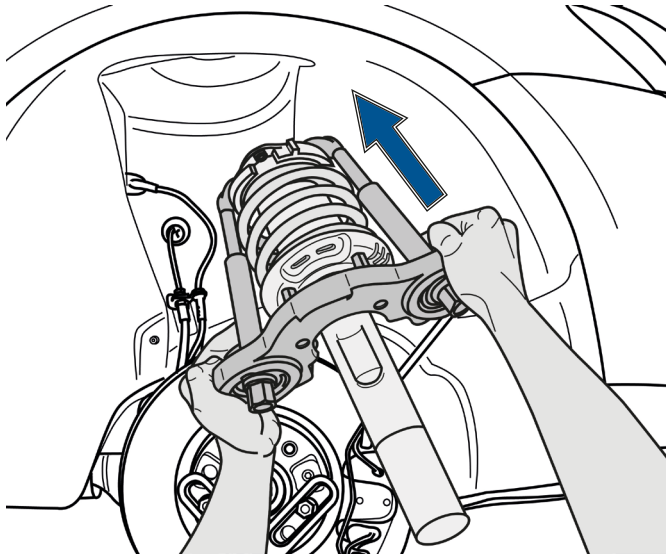
Extremely high forces are at work when preloading shock absorbers! In the event of incorrect assembly, overloading as well as when the spring pre-compressor is driven by a machine, there is a risk of breakage or slippage. This can lead to **DEATH** or **SERIOUS INJURY** as a result of parts being hurled about!

- Please note that the spring compressor is intended **solely** for reducing the overall length of the strut by compressing the spring, during the removal and installation of McPherson struts!
- **Always** ensure that all the required components of the spring pre-compressor are correctly positioned, level and securely in contact with or engaged in the shock absorber before applying preload!
- **Only** use the spring tensoning device with a manual drive powered by muscle strength, and **never with** a mechanical drive!
- **Never** exceed the **max. load capacity** of **17,500 newtons** for the spring pre-tensioning device!
- **Always** tighten the drive nuts [A2] alternately and evenly to ensure that the strut is preloaded in a straight line and securely!
- Stop the tensoning process at the latest when no threads are visible on the hooks [A1] 📷 17B or before the spring coils touch each other (*see below*)!

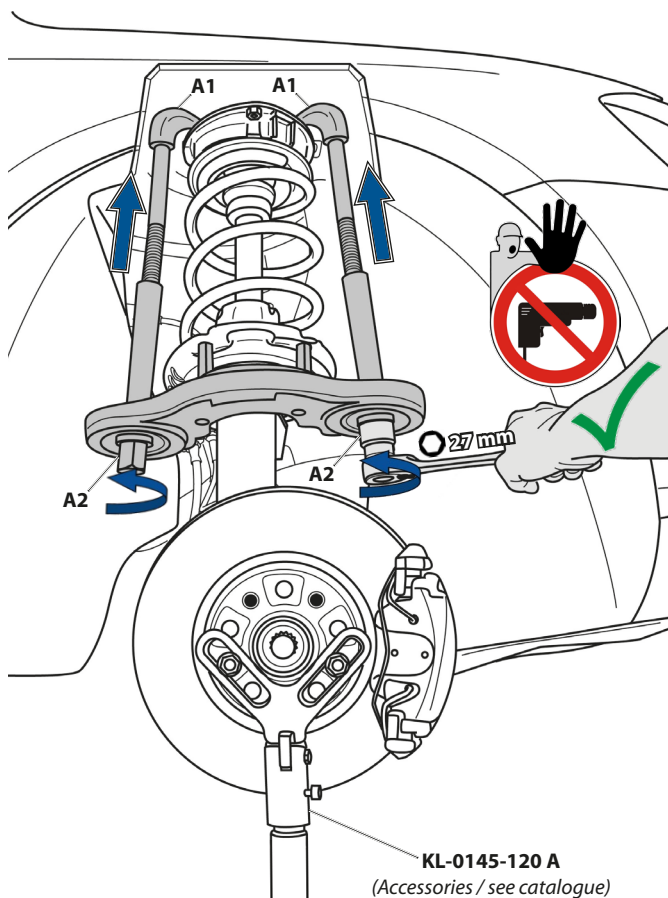


2. Tighten the strut in a straight line, as shown in 📷 17. To do this, tighten both drive nuts [A2] (🌀 27 mm) alternately and evenly in a clockwise direction until the strut can be inserted into the strut clamping hole on the vehicle 📷 18.

📸 19: Fitting the shock absorber to the vehicle.



📸 20: Release the shock absorber and remove the spring compressor.



3. Remove the shock absorber from the locking tool and, in the correct position as specified by the manufacturer, insert it into the shock absorber clamping hole on the vehicle and secure it **📸 19**.

4. Loosen the shock absorber in a straight line, as shown in **📸 20**. To do this, loosen the two drive nuts [A2] (27 mm) alternately and evenly anticlockwise by s until the hooks [A1] are clear.

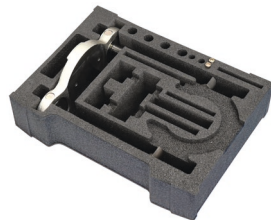
Next, remove the spring compressor from the strut.

5. Carry out any further work on the vehicle in accordance with the manufacturer's instructions.

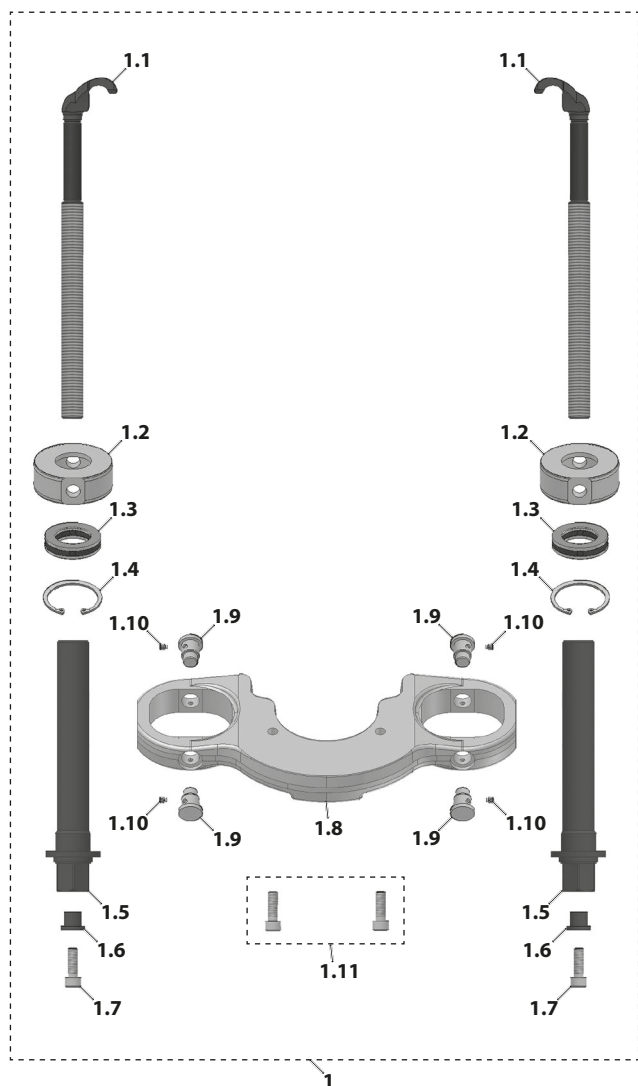
KL-0029-200 K



KL-0029-200 E



KL-0029-200 (individual parts)



7. SINGLE PART OVERVIEW

KL-0029-200 (E/K)

Coil Spring Pre-Compressor (Base Tool) for McPherson struts

Pos.	Part no.	Description	Qty.
1	KL-0029-200	Coil Spring Pre-Compressor (Base Tool)	1
1.1	KL-0029-1002 A	Hook (with Spindle)	2
1.2	KL-0029-2002	Bearing Shell	2
1.3	KL-0029-2003	Axial Bearing	2
1.4	KL-0029-2004	Circlip	2
1.5	KL-0029-2006	Clamping Nut	2
1.6	KL-0029-1002-1	Extension Sleeve	2
1.7	KL-1283-1015	Cylinder Bolt M8x25 mm	2
1.8	KL-0029-2001	Base Plate	1
1.9	KL-0029-2005	Bolt	4
1.10	KL-0029-2007	Set Screw M5x6 mm	4
1.11	KL-0029-2008	Mounting Screw Set for Support Plate, M8x25 mm	1

❗ **KL-0029-200 E** also available as an insert – **KL-0029-1090-1 A**
KL-0029-200 K, additionally in a storage case – **KL-0029-2090**

GEDORE Automotive GmbH

Breslauer Str. 41
78166 Donaueschingen / GERMANY
Tel: +49 771 83 223 0
Fax: +49 771 83 223 90
www.gedore-automotive.com

GEDORE Headquarter:

GEDORE Werkzeugfabrik GmbH & Co. KG

Remscheider Str. 149
42899 Remscheid / GERMANY
Tel: +49 2191 596 900
Fax: +49 2191 596 999
www.gedore.com

GEDORE International:

GEDORE Torque Solutions GmbH

Bertha-Benz-Straße 12
71665 Vaihingen/Enz
GERMANY
Tel: +49 70 42 94 41 0
Fax: +49 70 42 9441 41
www.gedore-torque-solutions.com

GEDORE France SARL

Parc d'activités des Béthunes – La Mare II 10, avenue du Fief – Bâtiment 12
BP 79144 - Saint-Ouen-L'Aumône / 95074 CERGY PONTOISE CEDEX
FRANCE
Tél: +33 1 34 40 16 60
Fax: +33 1 34 40 16 61
www.gedore.fr

GEDORE Polska Sp. z o.o.

Żwirki i Wigury 56, Mikołów
POLAND
Tel: +48 32 738 40-10
Fax: +48 32 738 40-20
www.gedore.pl

GEDORE Tools South Africa (PTY) Ltd.

103 Qashana Khuzwayo Road, Durban / Kwazulu-Natal
New Germany, 3610
SOUTH AFRICA
Tel: +27 3 17 05 35 87
Fax: +27 3 17 05 47 35
www.gedore.co.za

GEDORE Tool Trading Co., Ltd. Shanghai, China

1/F., Block 2, 1358 Pingan Road
Minhang, Shanghai, China 201109
CHINA
Tel: +86 21 33 88 72-58
Fax: +86 21 33 88 72-59
www.gedore.cn

GEDORE Ibèrica S.L., Spain

c/Arangutxi 12, Poligono Industrial de Júndiz
01015 Vitoria Alava
SPAIN
Tel: +34 945 292 262
Fax: +34 945 292 199
www.gedore.es

GEDORE AUSTRIA GmbH

Gedore-Straße 1
8190 Birkfeld
AUSTRIA
Tel: +43 3174 3636 0
Fax: +43 31 74 36 38 320
www.gedore.at

GEDORE Technag BV, Netherlands

Flemingweg 7
2408 AV Alphen aan Den Rijn
NETHERLANDS
Tel: +31 1 72 42 73 50
Fax: +31 1 72 42 73 60
www.gedore.nl

GEDORE India Pvt. Ltd.

Plot No. 148, Sector-3, IMT Manesar
Gurugram, Haryana-122051
INDIA
Tel: +91 124 4087979
www.gedore.in

Ferramentas GEDORE do Brasil S.A.

Rua Vicentina Maria Fidélis, 275 Bairro Vicentina
São Leopoldo - RS - CEP: 93025-340
BRASIL
Tel: +51 35 89 92 00
Fax: +51 35 89 92 22
www.gedore.com.br

GEDORE UK Ltd.

Marton St, Skipton
North Yorkshire BD23 1TF
UNITED KINGDOM
Tel: +44 17 56 70 67 00
Fax: +44 17 56 79 80 83
www.gedoreuk.com

GEDORE Tools Inc. USA

300 Langner Rd., Suite 250
West Seneca, NY 14224
USA
Tel: +1 843 225 5015
www.gedoretools.com