

# **Engine Support Device**

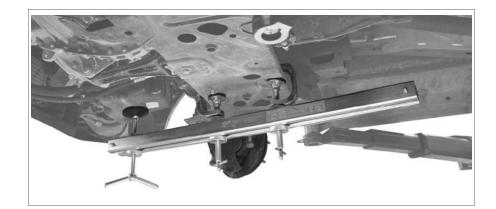






# KL-0146-20 KL-0146-21





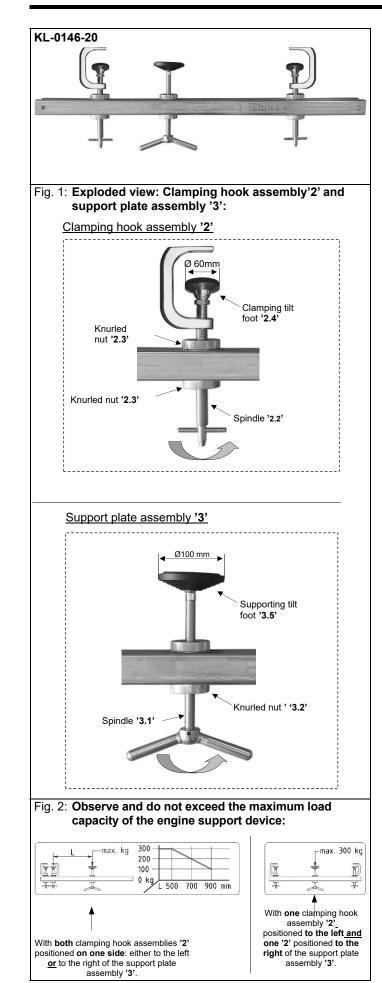
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# **GEDORE Automotive GmbH**

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# **Product Information**





# KL-0146-20 Engine Support Device

Universally suitable for supporting engines in vehicles.

## **Field of Application**

Device for supporting the engine when removing the side engine mount. It is required, for example, when replacing timing belts, water pumps or engine mounts.

Due to the support given to the engine by the support device **KL-0146-20**, it is possible to work on the valve train (synchronous belt drive) without the need for using an engine crane or a transmission jack. Thanks to its special design featuring two forged clamping hooks with adjustable spindles and clamping tilt feet with rubber pad ( $\emptyset$  60mm), the device can be fixed to nearly any type of front axle systems. The support plate assembly with its supporting tilt foot with rubber pad ( $\emptyset$  100mm) is designed to ensure safe and secure support of the engine.

# **Technical Data**

Max. load capacity: Overall length:	•
Clamping hook width	
Clamping area of clamping hooks:	
Max. height offset between clamping hooks:	approx. 90mm
Height adjustment of support plate assembly:	120mm
Weight:	16.5kg

# **EC Declaration of Conformity**

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

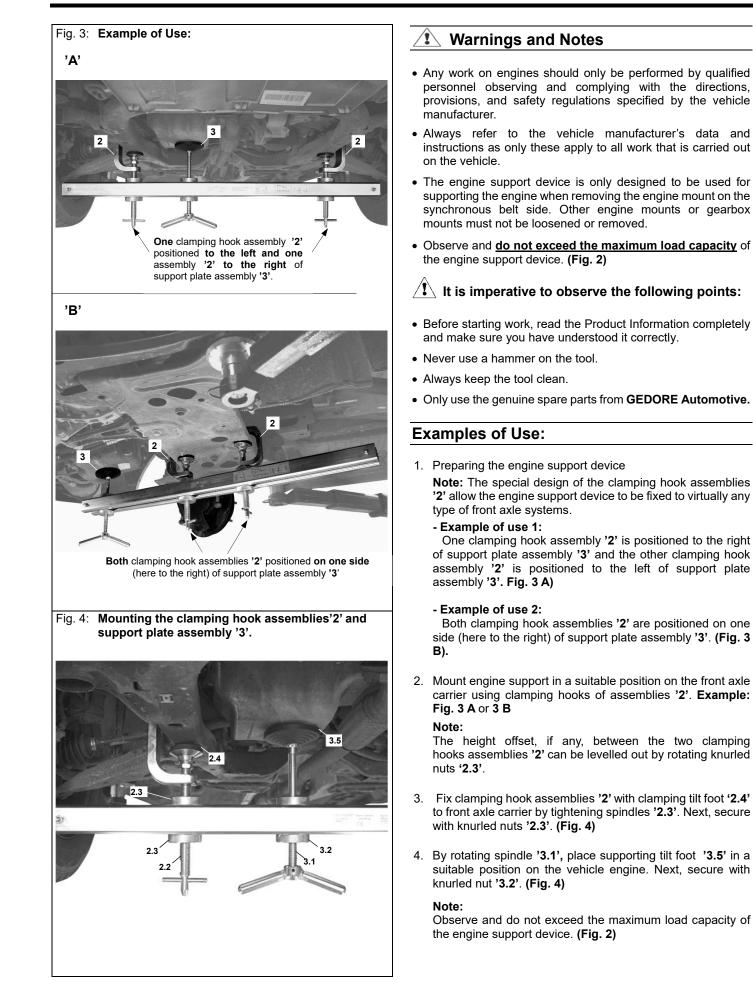
We herewith declare that the <u>KL-0146-20 Engine Support Device</u> in its design and construction, as well as in the version in which it was placed by us on the market complies with the Essential Health and Safety Requirements of the *EC Directive 2006/42/EC*.

Any modifications made to the Engine Support Device 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.

### Scope of Delivery:

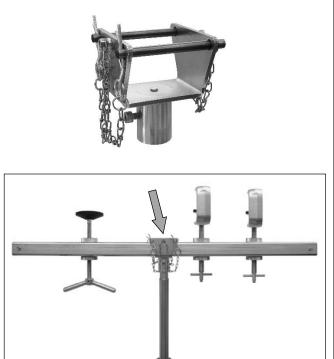
Pos.	Part No.	Description
-	KL-0146-20	Engine Support Device, VW-Audi
	composed of:	
1	KL-0146-201	Base Frame
2	KL-0146-202	Clamping Hook Assembly (2 units)
2.1	KL-0146-2021	Clamping Hooks (2 units)
2.2	KL-0146-2022	Spindle (2 units)
2.3	KL-0146-2023	Knurled Nut (4 units)
2.4	KL-0146-2024 A	Clamping Tilt Foot (2 units)
3	KL-0146-203	Support Plate Assembly
3.1	KL-0146-2030	Spindle, pinned
3.2	KL-0146-2035	Knurled Nut
3.3	KL-0146-2033	Knurled Nut, strong
3.4	KL-0146-2036	Ball Stud
3.5	KL-0146-2031	Supporting Tilt Foot

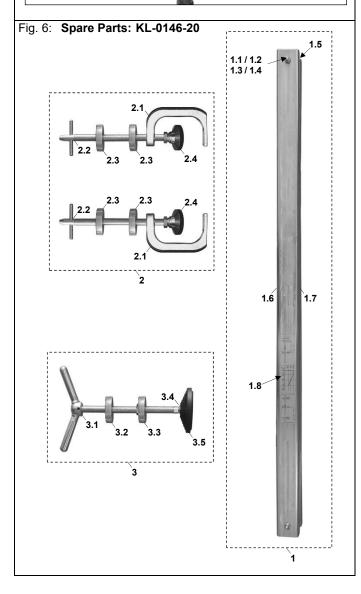


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#### Accessory:

#### KL-0146-21 Retaining Device

The **KL-0146-21** retaining device allows the engine support device **KL-0146-20** to be safely and securely held during removal from/installation to the vehicle. It is used in conjunction with a transmission jack (Plunger  $\emptyset$  of 30mm).

## Scope of Delivery:

Pos.	Part No.	Description	Qty
-	KL-0146-20	Engine Support Device, VW-Audi	1
	composed of:		
1	KL-0146-201	Base Frame	1
2	KL-0146-202	Clamping Hook Assembly	2
3	KL-0146-203	Support Plate Assembly	1

Pos.	Part No.	Description	Qty
1	KL-0146-201	Base Frame	1
	composed of:		
1.1	KL-0146-2014	Hex Screw, M8x95	2
1.2	KL-0035-0003	Hex Nut, M8	2
1.3	KL-0035-0004	Washer, Ø 8mm	2
1.4	KL-0146-2013	Spacer Sleeve	2
1.5	KL-0146-2016	Plug with Fins	4
1.6	KL-0146-2012	Bar (labelled)	1
1.7	KL-0146-2011	Bar	1
1.8	KL-0146-2015	Safe Working Load Sticker	1

Pos.	Part No.	Description	Qty
2	KL-0146-202	Clamping Hook Assembly	2
	composed of:		
2.1	KL-0146-2021	Hook	2
2.2	KL-0146-2022	Spindle	2
2.3	KL-0146-2023	Knurled Nut	4
2.4	KL-0146-2024 A	Clamping Tilt Foot	2

Pos.	Part No.	Description	Qty
3	KL-0146-203	Support Plate Assembly	1
	composed of:		
3.1	KL-0146-2030	Spindle, pinned	1
3.2	KL-0146-2035	Knurled Nut	1
3.3	KL-0146-2033	Knurled Nut, strong	1
3.4	KL-0146-2036	Ball Stud	1
3.5	KL-0146-2031	Supporting Tilt Foot	1