

Engine Support

T10497B

en-gb	Original Instructions	fi	Alkuperäiset ohjeet	pl	Oryginalne instrukcje
de	Originalbetriebsanleitung	fr-fr	Instructions d'origine	pt-br	Instruções originais
ar	التعليمات الأساسية	he	הוראות מקוריות	pt-pt	Instruções originais
bg	Оригинално ръководство за експлоатация	hr	Izvorne upute	ro	Instrucțiuni originale
cs	Originální návod k použití	hu	Eredeti útmutató	ru	Инструкции на языке оригинала
da	Originale brugsanvisninger	it	Istruzioni originali	sk	Pôvodný návod
el	Πρωτότυπο οδηγιών χρήσης	ja	元の手順	sl	Originalna navodila za uporabo
en-us	Original Instructions	ko	원래 지침	sr	Originalna uputstva
es-es	Instrucciones originales	lt	Originali instrukcija	sv	Originalinstruktioner
es-mx	Instrucciones originales	lv	Instrukcijas oriģinālvalodā	tr	Orijinal Talimatlar
et	Originaalkasutusjuhend	mk	Оригинално упатство	uk	Оригінальна інструкція
fa	دستورات اصلی	nl	Originele instructies	zh-cn	原始说明
		no	Opprinnelige instruksjoner	zh-tw	原廠操作說明

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1 General Information

General Product Information

Product Name:	Engine Support
Product Type:	Load holding device
Product Number:	T10497B
Weight:	See Table 2 “Included in Delivery”
Max. Load Capacity:	430 kg
Static Test Coefficient:	3.0

Table 1: General Product Information

Intended use:

- ▶ The engine support holds various engine and transmission combinations in accordance with the workshop manuals of the Volkswagen Group brands.

Terms of use:

- ▶ For qualified workshop personnel only.
- ▶ Use only for work approved by the Volkswagen Group.
- ▶ For use on gas-powered vehicles or high-voltage components only by qualified personnel.
- ▶ Use only for loads up to 430 kg.
- ▶ Use only with a suitable engine and transmission jack (e.g. VAS 6931/V.A.G 1383A) (see the Volkswagen Group brands workshop manuals).
- ▶ Use only the clamps and adapter with this engine support.
- ▶ Do not hold or lift any persons or animals.
- ▶ Do not hold or lift items other than those described in the workshop manuals of the Volkswagen Group brands.
- ▶ Do not stand under suspended loads.
- ▶ Use only on level, even, and stable ground.
- ▶ Use only with the approved accessories (see the Volkswagen Group brands workshop manuals).

Included in Delivery

Product number	Product name	Weight:
T10497	Engine Support	8.7 kg
T10497/1	Bolts (2 pieces) Each with hexagon screw M12 x 35, 8.8 with spring ring	0.366 kg
T10497/2	Clamp Hexagon screw M10 x 25, 8.8 with washer	0.166 kg
T10497/3	Clamp Hexagon screw M10 x 50, 8.8	0.73 kg
T10497/4	Clamp Hexagon screw M10 x 50, 8.8	0.751 kg
T10497/5	Adapter Coach bolt M10 nut, strength class 8, galvanized	0.444 kg

Table 2: Included in Delivery

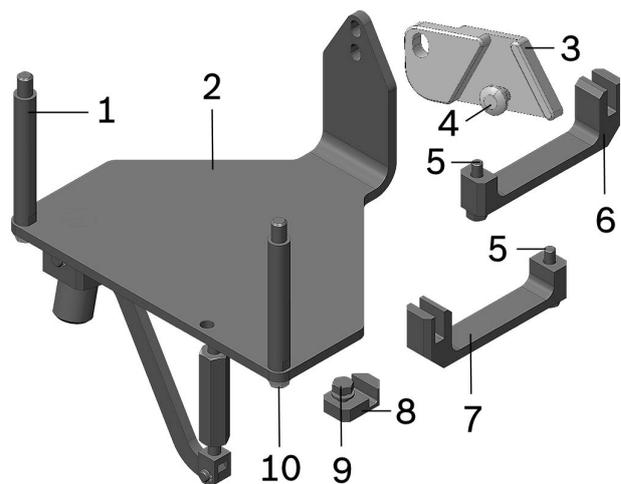


Figure 1: Engine Support

- 1** Bolt T10497/1 (2 pieces)
- 2** Base Plate
- 3** T10497/5 Adapter
- 4** T10497/5-1 Carriage bolt with M10 nut, strength class 8, galvanized
- 5** Hexagon screw M10 x 50, 8.8 (2 pieces)
- 6** T10497/4 Clamp
- 7** T10497/3 Clamp
- 8** T10497/2 Clamp
- 9** Hexagon screw M10 x 25, 8.8 with washer
- 10** Hexagon screw M12 x 35, 8.8 with spring ring (2 pieces)

2 General Safety Instructions

WARNING

Read and follow all safety notes and instructions!

Failure to follow the safety instructions could result in serious injuries and severe damage to materials.

Observe and follow the safety notes below.

-
- ▶ The load holding device has been specifically constructed for its intended use. The safety of the load holding device can no longer be ensured if it is misused or modified in ways not expressly approved by the manufacturer. Serious personal injuries or severe damage to materials could occur.
 - ▶ Ensure that each person using the load holding device is familiar with these instructions and can access them at all times.
 - ▶ Ensure that all users are also familiar with the instructions of the additional tools and workshop equipment that are necessary for the work.
 - ▶ Observe and follow the basic information and safety notes for gas-powered vehicles or high-voltage components in the corresponding Volkswagen Group information materials.
 - ▶ Carefully read and adhere to the instructions in the technical safety information of the Volkswagen Group brands.
 - ▶ Wear safety shoes (in accordance with ISO 20345, S2).
 - ▶ Wear protective gloves in order to avoid cuts.
 - ▶ Position hands and feet so as to avoid potential crushing hazards.
 - ▶ Use the load holding device only for work approved by the Volkswagen Group.
 - ▶ Use the load holding device only with the accessories approved by the Volkswagen Group.
 - ▶ Do not exceed the maximum load capacity of 430 kg.
 - ▶ Use the engine support only for engine transmission units in accordance with the Volkswagen Group brands workshop manuals.
 - ▶ Tighten the screws with the specified torque (see the Volkswagen Group brands workshop manuals).
 - ▶ Use only with a suitable engine and transmission jack (e.g. VAS 6931/V.A.G 1383A) (see the workshop manuals of the Volkswagen Group brands).
 - ▶ The engine and transmission jack may only be operated by one person.
 - ▶ Persons may not be under the load or in the hazard area while the load is being moved.
 - ▶ Move the load slowly and carefully.
 - ▶ Observe the engine support and the load during all movements.
 - ▶ Move the load only on the lowest setting.
 - ▶ Ensure that the path is clear and easily visible.

3 Operating Instructions

3.1 Installation of the engine support

1. Ensure that the engine support is complete and inspect it for visible damages like signs of wear, deformation, breakages, cracks, and corrosion damages prior to each use. Inspect all threads for damages and ease of operation. Do not use the engine support when damage has been detected and discard it immediately.
2. Perform the necessary preparatory work to use the engine support in accordance with the Volkswagen Group brands workshop manuals.
3. Put on the personal protective equipment as described in the Volkswagen Group brands workshop manuals.
4. Ensure that the bolts (1) are connected to the base plate (2) correctly.

NOTICE

- ▶ *Observe and follow the safety notes to work on gas-powered vehicles or high-voltage components.*
- ▶ *Only qualified personnel may work on gas-powered vehicles or high-voltage components.*

5. Attach the engine support to the engine and transmission jack. Ensure that the support bolt is inserted and secured in the engine and transmission jack completely.

6. Attach and secure the engine support and, if necessary, the clamps or adapter, to the engine and transmission unit as described in the Volkswagen Group brands workshop manuals.



The clamps and adapter are used to secure the engine to the engine and transmission jack as described in the Volkswagen Group brands workshop manuals for the corresponding engine and transmission unit.

WARNING

Danger of a tilting or falling load!

Attaching the engine support to the load incorrectly could cause the load to tilt or fall! This could cause serious personal injuries or severe damage to materials.

- ▶ Attach the engine support exactly as described in the workshop manuals.
- ▶ Tighten the screws with the torques specified in the workshop manuals.

WARNING

Moving loads could cause personal injuries!

Moving, lifting, or lowering the load could cause limbs to be crushed between the load and vehicle.

- ▶ Position hands and feet so as to avoid potential crushing hazards when moving the load.
- ▶ Observe the engine and transmission jack, as well as the load, during all movements.

7. Carry out further work as described in the workshop manuals.
8. When removing the engine support from the engine, secure the engine support from falling.
9. Ensure that all parts of the special tool have been removed after completing the repair work.

3.2 Separating the engine from the transmission

WARNING

A falling or tilting load could cause serious or fatal injuries!

The load could tilt or fall if it is not secured correctly. This could result in serious injuries and severe damage to materials.

- ▶ Before separating the engine from the transmission secure the engine with a workshop crane and a suitable suspension device!

1. Suspend a suitable suspension device approved by the Volkswagen Group on the hook of a workshop crane (e.g. VAS 6100) approved by the Volkswagen Group.



To adjust the center of gravity of the load to be lifted, position the lifting tackle as described in the workshop manual.

2. Hang and secure the lifting hooks in the engine's or transmission's support eyes.
3. Lift the workshop crane's arm until the engine is secured by the workshop crane and the suspension device.
4. Dismantle the transmission as described in the Volkswagen Group brands workshop manuals.
5. Secure the engine when removing the engine support.
6. Ensure that all parts of the special tool have been removed after completing the repair work.

4 Inspection and Maintenance

Ensure that the engine support is complete and inspect it for visible damages like signs of wear, deformation, breakages, cracks, and corrosion damages prior to each use. Inspect all threads for damages and ease of operation. Do not use the engine support when damage has been detected and discard it immediately.

Spare parts are available on request. Use only original replacement parts.

Contact your first-level support representative with any queries.

NOTICE

Modifications to this product which have not been expressly approved by the manufacturer will void any warranty. The manufacturer assumes no liability for personal injury or damage to materials which occur as the result of improper use of this product.



Declaration of Conformity with the Machinery Directive 2006/42/EC, Annex II 1A

Manufacturer:	Bosch Automotive Service Solutions GmbH Am Dörrenhof 1 85131 Pollenfeld-Preith Germany
Authorized to compile the technical documents:	Bosch Automotive Service Solutions GmbH Am Dörrenhof 1 85131 Pollenfeld-Preith Germany
Product Name:	Engine Support
Product Type:	Load holding device
Product Number:	T10497B

We hereby declare that the product described above complies with the relevant clauses of the 2006/42/EC Machinery Directive.

Any modification to the product not expressly approved by the manufacturer will void the validity of this declaration.

The following harmonized standards have been applied:

EN ISO 12100:2010	Safety of machinery - General principles for design - Risk assessment and risk reduction
EN 13155:2003+A2:2009	Cranes - Safety - Non-fixed load lifting attachments

Pollenfeld, October 4, 2019

Place, Date

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