

# Installation Instruction Cruise Control Tempomat

Article no.    36170  
                  36515  
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Single license STUARM IMPORT, s.r.o. - Na křivce 1082/30 PRAHA 10 - VRŠOVICE - 10100 Praha 101

## VW T5 (from model year 2004 forward)

## Tempomat Functions

- Adjustment of the required cruising speed
- Accelerate
- Decelerate
- Take-up the cruise saved at last
- Use of **original components**

## Scope of delivery

- Cable set

### Note

By some configuration versions it is necessary to change the body control module.

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# 1 Liability Exclusion

Dear Customer,

our cable sets are developed according to the connection- and circuit diagrams of the corresponding car manufacturer. Before the original production the cable sets will be tested on an original car. Therefore, the integration into the car electronics will be executed according to the instructions of the manufacturer. Regarding the necessary pre-understanding and the accuracy of the presentation of texts and pictures our mounting guidelines correspond to the usual ones in car technology and car electronics. Practically, they have been proved one's worth a hundred times.

However, should there be any difficulties during the installation of our products we will be at your disposal any time for support by phone or by mail. Moreover, we offer you to execute the installation at our works in Bad Segeberg.

Costs which may arise because a third person will execute the installation of our products will not be supported by us in any case. Only if there is a mistake caused by our product we will pay the proved costs of the installation as well as the costs of the removal of the defective product. The refund of expenses will be limited to gross EUR 110,- ; we reserve the right to check the described mistake in our works in Bad Segeberg. In case of a proved reclamation the costs for dispatch for the check in our factory will be transferred to you.

According to our experience each specific factory which has the necessary diagnostic device, diagnostic software and the circuit diagrams of the manufacturer can find possible mistakes at our products within a short time. So, the installation and removal including diagnostic inspection can be realized in at most 60 minutes.

We also made the experience that many specific factories cannot work with the circuit diagrams of the manufacturer, and that they cannot read usual wiring diagrams. Therefore, very easy installation works will take many hours. You will understand that we neither take the risk to find a reliable specific factory nor the financing of the training of the staff of your favoured factory.

Costs which will arise because you buy missing parts or spare parts at other suppliers will be refunded by us up to the amount of the costs which had been arisen by additional supply (saved expenses). In this case, there would be no right for refund according to the legal guarantee right as long as we have no deadline for supplementary performance or a deadline for supplementary performance has not expired.

So, if you have any problems with the installation or operation of one of our products please call us, send us an email, send us the product or take your car to our factory in Bad Segeberg. We are sure to find an appropriate solution for each concern.

With best regards

**Your Kufatec GmbH & Co. KG Team**

## 2 Copy Right

Our installation- and removal instructions, installation plans, software and other documentation with texts or pictures are protected by copy right.

A publication or distribution of these documents is only permitted with a written approval of Kufatec GmbH & Co. KG.

## 3 General Notes

Regarding the development there has especially been paid attention to your personal safety together with the most possible operating comfort, modern design and actual product technologies.

Despite most possible accuracy in case of incorrect installation or use or in case of incorrect operating, it is possible that injuries or damages of property may arise.

Therefore, please read the operating instructions you have received carefully and completely, and keep it with you. All articles of our production will be checked at 100 % --- for your safety.

We reserve the right to make technical changes which serve the progress at any time.

Before the installation or startup it may be necessary, depending on the article and purpose of use, to check the legal instructions of each country.

In case of warranty claim the device has to be sent to the seller originally packed together with the sales receipt and a detailed description of the mistake. Please consider the manufacturer's instructions for return (RMA). The legal warranty instructions are valid.

The warranty claim and also the permission for startup will expire in case of:

- a) unauthorized changes on the device or the accessories which have not been executed or approved by the manufacturer or its partners
- b) opening of the box
- c) repair of the device on your own
- d) incorrect use / no normal use / startup
- e) influence of force on the device (falling down, willful damage, accident, etc.)

During the installation please consider all safety and legal instructions.

The device may only be installed by trained qualified personnel or persons who are similar qualified.

**In case of installation- or function problems please reduce the search of the mistake to approx. 0,5 hours for mechanical works or 1,0 hours for electronic works.**

To avoid unnecessary additional work and expenses, please send immediately an inquiry to our technical support with the Kufatec contact form (<http://www.kufatec.de/shop/de/infocenter/>).

Please absolutely mention the following:

- car chassis number
- part number of the add-on kit
- exact description of the problem
- work steps already made

## 4 Safety Instructions

The installation may only be executed by trained qualified personnel. Please execute the installations only in a condition of dead voltage. Here please separate for example the battery from the main power supply and consider the instructions of the car manufacturer.

- *In order to not endanger your own driving safety please never use security relevant screws, bolts or other fixation pieces at steering, brake system or other components.*
- *Connect the device only at 12V wiring system voltage with ground connection to the autobody. This assembly is not allowed for the use in trucks or other cars with 24V wiring system voltage.*
- *Please avoid the installation of the device at positions where the driving safety or the functional efficiency of other subassembly integrated in the car are restricted.*
- *This module may only be used together with the following mentioned car types and models; the installation may be executed exclusively by use of the circuit points mentioned in the assembly instructions.*
- *Kufatec GmbH & Co. KG does not assume liability for damages which are caused by incorrect installation, the use of inapplicable circuit points or the installation into car types and -modules which are not foreseen.*
- *We would like to draw your attention to the fact that the module processes the data of the MOST-protocol of the car mentioned below. Therefore, during the installation of the module it will be used a model-specific complete system which we as the manufacturer of the mentioned construction line only know partly.*
- *Especially in case of changes within the same model line and the same year we therefore cannot guarantee the applicability of our construction line in each case. Kufatec GmbH & Co. KG does not assume liability for the applicability of our construction line with changes made by the manufacturer.*
- *Kufatec GmbH & Co. KG does not assume liability that the installation of the here described component has been permitted according to the guarantee instructions of particular car manufacturers. Therefore, please consider the guidelines for installation and guarantee conditions of your car manufacturer before installation.*
- *The manufacturer reserves the right to change components without giving reasons.*
- *Subject to errors and changes.*

## 5 Requirements for the determinable operation

**Setzen Sie das Gerät nur in dem ihm zugedachten Bereich ein.**

**Bei nicht fachgerechter zweckfremdem Gebrauch Installation oder bei Umbauten erlöschen die Betriebserlaubnis und der Garantieanspruch.**

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## Installation Instructions

Before the installation can be started, the electrical vehicle voltage must be stopped. For this, please turn the firing off and take the key out of the ignition device. Furthermore, please disconnect the positive pole to the battery. It is advisable to wait further five minutes, before starting the removing.

Please let the installation be executed by expert staff only.

As a first step please remove the battery inclusive the fastening plate, as on the E-box, which is located underneath, there must be executed other installations as well. Please connect the battery again only after installation of the airbag for avoiding entries into the error memory.

Loosen the trim panel from the pedals by removing the screw from the OBD-diagnosis interface moreover. Now you can take it out. Then the trim panel in front can be taken out by loosening three more screws, as in fig. 1. Another screw is positioned behind the cover of the light switch. Please take the light switch out by pressing it and turning it to the right. Remove the small trim panel out of the frame. Partially you must apply more pressure to loosen the spring clips.



Fig. 1

As a next step please pull the steering wheel up to yourself as far as possible and arrange it in a 90°-position. A slotted screwdriver must be inserted into the middle opening behind the steering wheel. Please press the latching, then the airbag unit should latch out. Undertake this procedure on the opposite side as well. Now you can loosen the plug connections of the airbag unit and take them off.

After the airbag unit has been taken off, please remove the screw with internal serrations, which is located in a central position of the steering wheel. Under no circumstances the position of the steering wheel may be modified. Please mark the position of the steering wheel. It can be taken out then.

# Installation Instructions

Please lever with a capable plastic chock (to avoid damage) the upper trim panel of the steering wheel out of the fitting carefully. The lower trim panel of the steering wheel is fastened by three screws. Please loosen two screws from above and one screw directly on the lever for the regulation of the steering wheel as well. The steering column switch is fastened by an Allen screw at the bracket. This you can exchange against the delivered steering column switch with Tempomat-function afterwards. The buffer spring of the existing steering column switch must be fitted on the new lever.

In the next step the slide lock must be pulled out for loosening the compact plug, as seen in fig. 2. Please remove the covering cap (fig. 3) und pin the six single wires (**Imprinted wirecolour**) into the compact plug as follows (fig. 4):

Cable set wire	—	Compact plug
Yellow	—	PIN 30
Black	—	PIN 28
Blue	—	PIN 31
Red	—	PIN 27
2x black/yellow	—	PIN 26 and 29

**Important:** On both cables coloured black/yellow is the order irrelevant, which cable must be set in which pin.



Fig. 2

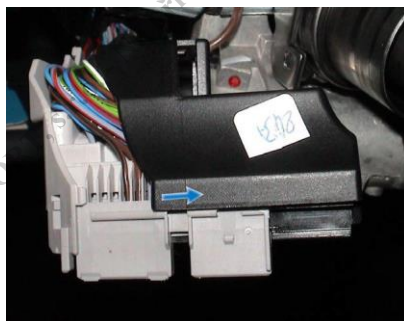


Fig. 3

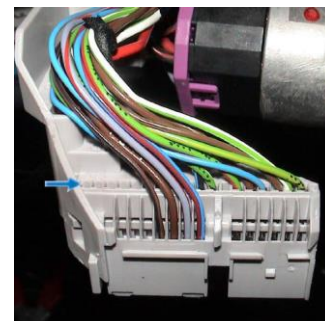


Fig. 4

Afterwards please route the cable set along the steering column in the direction of the body control unit. The body control unit is located on the right side above from the throttle pedal. Please pin the plug into pin F.

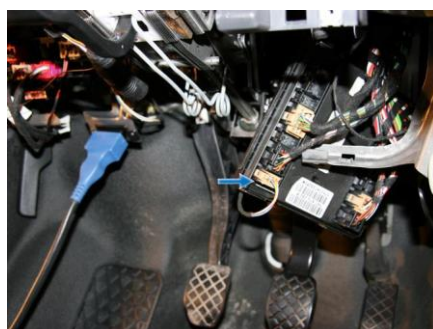


Fig. 5



## Installation Instructions

The cable with the inscription (Imprinted) **T10/PIN1** must be transferred to the E-box by routing it through the rubber lip of the engine hood locking (fig. 6) furthermore. The E-box is located underneath the battery. Take the covering of the E-box out completely and press the fuses aside.

Within the E-box a vertical frame with 15 plug connections is positioned. The respective plug is located at the lowermost position in the left driving direction. To check, whether you have chosen the correct connection, please test, if the complement of this plug connection has a black/yellow cable in position 1. Please remove this plug out of the socket, unlock the pink locking device and pin the cable (black T10/PIN1) into position 1. Interlock the plug again and re-establish the plug connection (fig. 7).

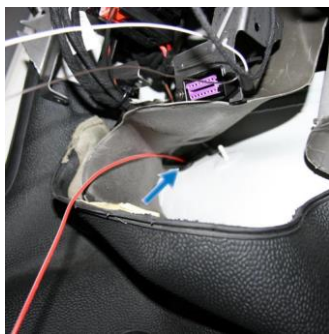


Fig. 6

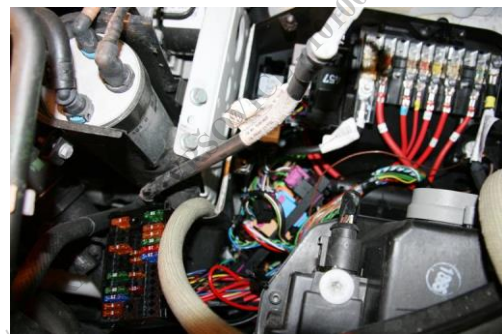


Fig. 7

Lay the cable **ignition plus KI.15 (Imprinted SB13/KI.87)** to the fuse box. The fuse box is located behind the cover of the center console. Look for an ignition plus slot by using a multimeter. Pin the cable into the slot and secure it with a 5A-fuse afterwards.

**If there is no free slot, the following alternative connection can be used instead:**

Lay the cable ignition plus KI.15 to the power supply at the light switch (plug T17/17-pole). Connect the cable with the cable in **Pin 1**. Isolate the connection professionally afterwards.

The installation is terminated now.

The assembly of the vehicle parts is done in reversed order to the installation. Please check all plug connections for correct connection and fixed position.

The body control unit must be coded onto **GRA/Tempomat** by diagnosis finally. For this, the login-procedure must be carried out in the control unit with the code 11463. Close the control unit and switch the firing off and on. The corresponding icon should be shown on the instrument panel after activating the GRA/Tempomat.