



# **Assembly instructions**

ABT-AEC for PL 71

- VW Touareg 4,2 TDI

Version 25.09.2013

# Assembly Instructions for

## ABT-AEC for PL 71

Vehicle: VW Touareg 4,2 TDI

Assembly time: approx. 90 min

**Attention: To guarantee optimal function and security of the ABT AEC it is necessary to thoroughly read through the assembly instructions prior to work and to operate the installation as**

### **Important steps to take before assembling the ABT AEC**

Before starting the installation, the error memory of the vehicle in which the AEC will be installed has to be read out.

#### Error log entry:

- Please follow the manufacturer's instructions to resolve errors.
- After the rectification it is necessary to once again take a test drive of minimum 30 km.

Install the ABT AEC only into vehicles which are error-free at the time of installation!



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## **1. Information about electrical consumption**

Power upgrades provided by an AEC increase the electrical consumption of a vehicle. An additional electric current flows. Besides this, the total current is depending on the car type, the additional equipment or similar. In particular cases, a considerable higher power consumption is possible.

The total power consumption determines how often a vehicle can be started without recharging the battery. Furthermore, it depends on the age and charging condition of the battery as well as on the outside temperature.

For vehicles which are used only sporadically, it is generally recommended to recharge the battery periodically. Thus the battery's durability can be prolonged.





In case the vehicle is not in use for longer than one week, we recommend to replace the AEC with a bridge adapter. In doing so, an additional power consumption is prevented. Due to the adapter, the vehicle remains ready to start and is in its original state.



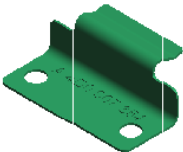



This bridge adapter can be purchased separately.

While staying in countries with bad fuel quality we also recommend the usage of the bridge adapter.

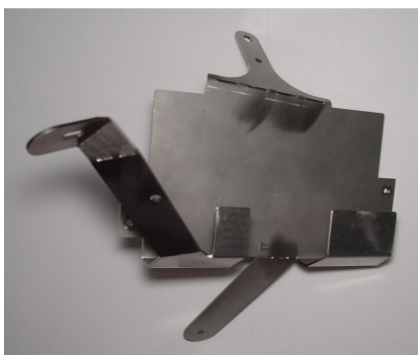
## 2. Scope of delivery

Please check for completeness of delivery before starting the installation. In case the delivery is incomplete, please contact our service team at ABT Sportsline.

amount	picture	description
1		ABT Engine Control
1		Wiring harness
1		„ABT Power“ sticker
1		ABT information sticker

1	 <p>ABT SERVICEHEFT ABT Sportsline Gewährleistungsrichtlinien Bitte dem Original-Hersteller Serviceheft beiliegen. ABT</p>	ABT service book
13		Cable tie
2		Retaining clip 12 mm
4		Lens head screw M5 x 6
4		Spring ring M5
2		Plastic washer nut

1



bracket AEC

### 3. Preparations at the vehicle

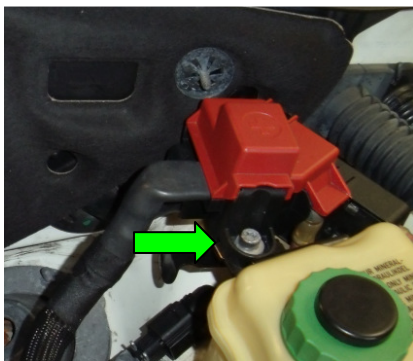
Remove the windscreen wipers, the engine hood seal and loosen the plastic cover beneath the front screen. Remove the anti-theft device if necessary.



The Picture shows the engine control units. Only the ecu on the left side (arrow) is affected.



On the driver's side remove the cellular rubber which is separating the water tank from the motor compartment.



Remove the marked screw. The screw is needed for the re-installation.

**Attention** while working on the plus terminal. If necessary disconnect the battery.

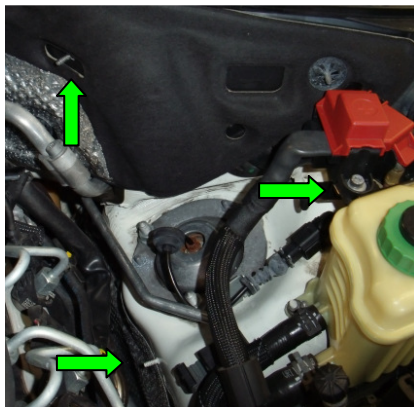


#### 4. AEC bracket



Attach the AEC with the clamps, screws M5 x 6 and spring rings to the bracket.

## 5. Installation of the AEC



Fix the AEC bracket on the marked hold points.

**Attention** while working on the plus terminal. If necessary disconnect the battery.



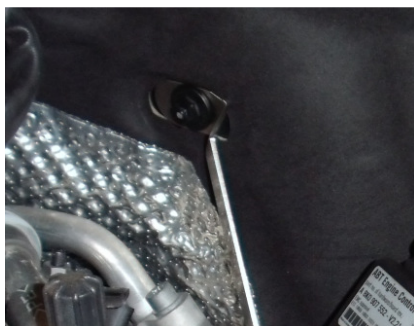
Fix the bracket as shown in the picture.

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Reconnect the marked screw and fix the holder.

**Attention** while working on the plus terminal. If necessary disconnect the battery.

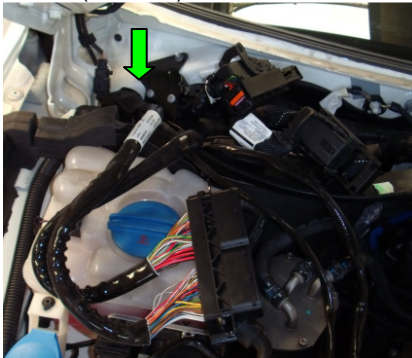


Connect the arm on the partition panel with a plastic washer nut.



Connect the arm between the engine and the carbody with a plastic washer nut.  
Beware of hot engine.

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Disconnect the external ecu from the original wiring harness (see arrow). Connect the ABT wiring harness with the ecu.



Connect the male multipoint connector of the ABT wiring harness with the original wiring harness. Place it like shown in the picture.



Place the ABT wiring harness along the partition panel. Fix the wiring harness with cable ties. The picture shows the view on the passenger's side.

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View of the driver's side



Replace the cellular rubber on the original place. The ABT wiring harness is among the cellular rubber.

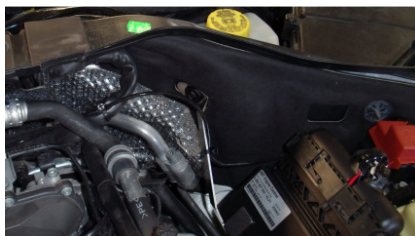


Connect the ABT wiring harness with the AEC. Fix the wiring harness on the AEC bracket.

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Disconnect the brown connector between the engine and the partition panel.



The ABT wiring harness has the same connector as an extension. Lay and fix the extension like in the picture.



Connect the extension with the connector and socket of the previously disconnected connector. Fix the remaining cable with a cable tie.



## 6. Completion

Reinstall all original parts according repair manual of the manufactur.

Read out the error memory and delete it if necessary.

Start the engine.

Take a test drive.

Attach the sticker "Abt Power" to the engine cover and the information sticker to the lock carrier.

**Hint:**

The AEC can be left built in for manufacturer service updates. The communication with the tester is not affected by the AEC.

**If the MIL-lamp and EPC-lamp is blinking by turns, there is an error in the ABT AEC. Then please contact ABT Sportsline.**

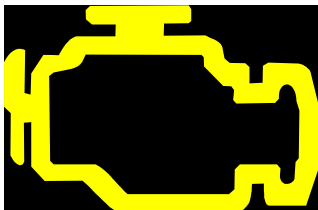
## 7. Overall view passenger's side



## 8. Overall view driver's side



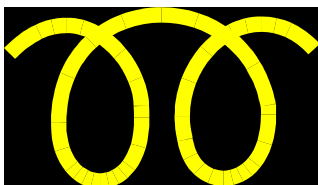
## 9. Warning lamps



Malfunktion Indicator Lamp (MIL)



Electronic Power Control (EPC)



Control lamp „Preheat“

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