



# **Assembly Instructions**

ABT-AEC for PL64 4,2TDI

- Audi A8 4,2TDI

# Assembly Instructions for ABT-AEC for PL64 4,2TDI

Car model: Audi A8 4,2TDI

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, additional equipment or similar. In individual cases, considerable higher power consumption is possible.

The total power consumption determines how long a vehicle can be started without recharging the battery. Furthermore, this time is depending 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.


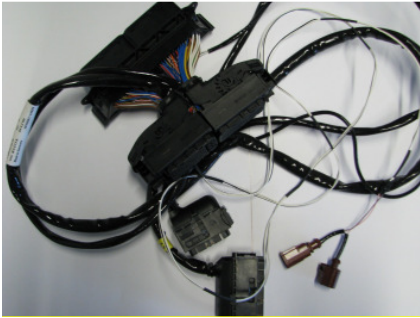


In case the vehicle is not in use for longer than one week, we recommend replacing the AEC with a bridge adapter. In doing so, the additional power consumption is prevented. Due to the adapter, the vehicle remains ready to start and is in its original state.




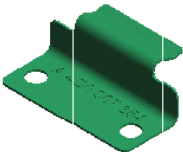


This bridge adapter can be obtained separately.

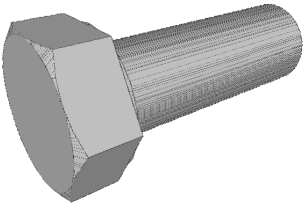



While staying in countries with bad fuel quality we also recommend the usage of the bridge adapter.

## 2. Scope of delivery

3. Please check if delivery is complete 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

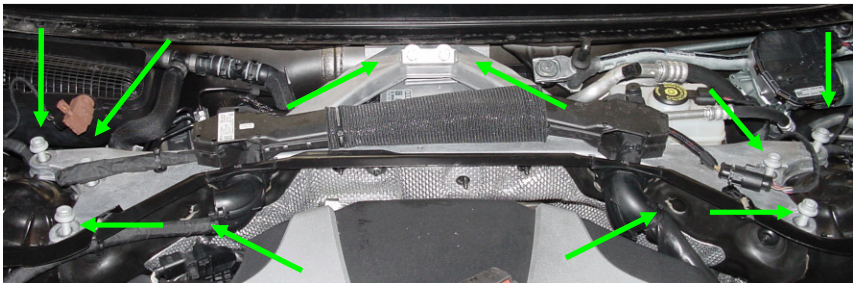
1	 <p>ABT SERVICEHEFT ABT Sportsline Gewährleistungsrichtlinien Bitte dem Original-Hersteller Serviceheft beiliegen. ABT</p>	ABT service book
1	 <p>98 ROZ/RON Super Plus bleifrei/ unleaded</p>	„98 ROZ Super Plus“ sticker (gas engine only)
7		Cable tie
2		Retaining clip 12 mm
4		Lens head screw M5 x 6
4		Spring ring M5

1		Hexagon bolt M6 x 20
1		Spring ring M6
1		Washer M6
1		AEC bracket

#### 4. Preparations at the vehicle



Remove the windscreen wipers, the engine hood seal and loosen the plastic cover beneath the front screen.



Remove the strut bar according to the manufacturer's information.



Disconnect the engine control unit (Master ECU1). The ecu is located central under the strut bar.

Remove the front wheel on the driver's side and remove the wheel guard according to the manufacturer's information.

## 5. AEC assembly



Attach the AEC with clips, screws and lock washers to the bracket.

## 6. AEC installation



Connect the Abt wiring harness to the serial plugs. Connect the engine control unit to the Abt wiring harness.



Place the AEC wiring harness towards the driver side. Remove the left wheel and the wheel house.



Place the AEC connector in the wheel house.



Attach the AEC with screws and washers in the wheel house.

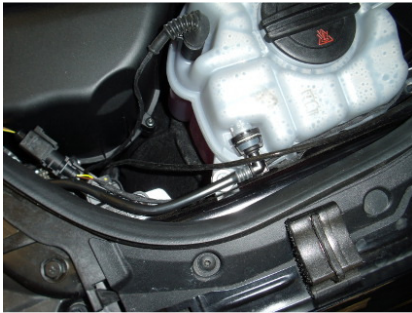


Connect the AEC wiring harness with the AEC.

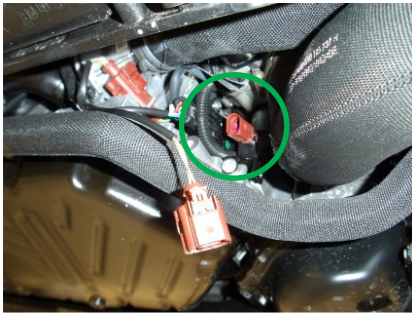


Place the 2-pin connector on the AEC harness back up. Place it along the seal in front of the coolant tank.

Montageanleitung  
ABT-AEC  
PL64 4,2TDI



Remove the undercoat.  
Place down the plug in front of the  
coolant tank.



Unplug the original  
exhaust temperature sensor bank  
two. Be sure to disconnect the  
correct sensor. There are two  
sensors parallel.



Connect the 2-pin connector from  
the AEC harness and plug the  
serial connector in the AEC wiring  
harness adapter.



## 7. Completion

Reinstall all serial parts to the vehicle.

Read out the error memory and delete it if necessary.

Start the engine.

Take a test drive.

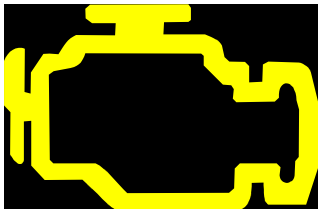
Apply Abt Power Sticker at engine cover and the information sticker at the hood latch.

### 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 respectively preheat-lamp is blinking by turns, there is an error in the ABT AEC.  
In this case please contact ABT Sportsline.**

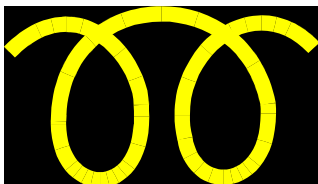
## 8. Warning lamps



Malfunktion Indicator Lamp (MIL)



Electronic Power Control (EPC)



Control lamp „Preheat“

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