



# **Assembly instructions**

**ABT-AEC for MQB**

- Audi RSQ3

Stand 09.01.2014

# Assembly Instructions

## ABT-AEC for MQB

Vehicle: Audi RSQ3

Assembly time: approx. 45 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!



## **TABLE OF CONTENTS**

<b>1. INFORMATION ABOUT ELECTRICAL CONSUMPTION.....</b>	<b>4</b>
<b>2. SCOPE OF DELIVERY .....</b>	<b>5</b>
<b>3. PREPARATIONS AT THE VEHICLE.....</b>	<b>8</b>
<b>4. AEC ASSEMBLY .....</b>	<b>10</b>
<b>5. AEC INSTALLATION .....</b>	<b>11</b>
<b>6. COMPLETION .....</b>	<b>12</b>
<b>7. OVERALL VIEW .....</b>	<b>13</b>
<b>8. WARNING LAMPS .....</b>	<b>14</b>



## **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.


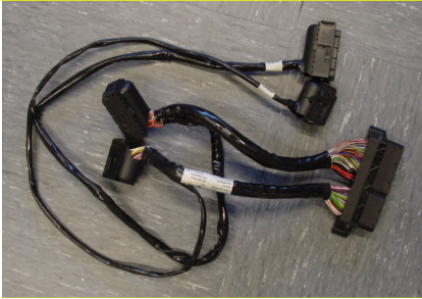


In case the vehicle is not in use for longer than one week, we recommend to replace the AEC with a bridge adapter. In doing so, an additional power consumption is prevented. Due to the adapter, the vehicle remains ready to start and is in its original state.




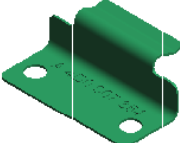
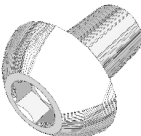

This bridge adapter can be purchased separately.

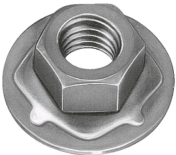


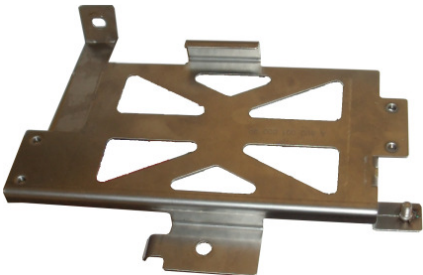
While staying abroad, in areas where fuel quality is rather bad, we recommend to use the bridge adapter.

## 2. Scope of delivery

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

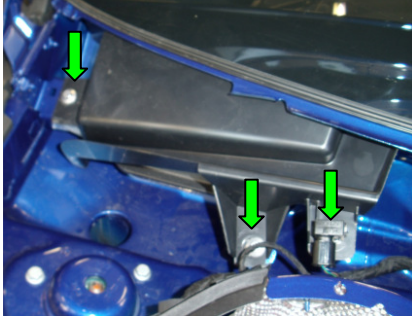
Menge	Bild	Bezeichnung
1		ABT Engine Control
1		Wiring harness
1		„ABT Power“ sticker
1		ABT information sticker

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

2		Screw nut with corrugated disc M6
1		Spring ring M8
1		Screw nut M8
1		bracket AEC

### 3. Preparations at the vehicle

Remove windscreen wiper and cover as described in the repair guide.



Remove the ventilation cover and disconnect the sensor (see arrow). Disconnect the marked screws.

If available disconnect and unmount the alarm system horn. Also unmount the bracket of the alarm system horn.



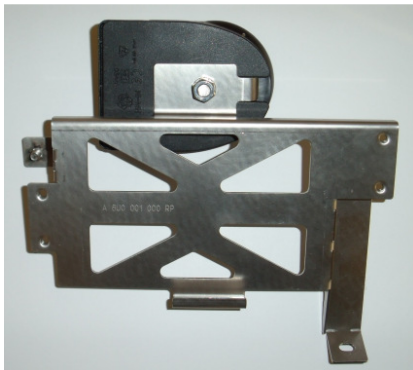
Disassemble the engine control unit. Remove the wiring harness and the engine control unit. Disconnect the bracket from the original ecu. The bracket and the nuts are required again.

Assembly Instructions  
ABT-AEC  
MQB



Disconnect the nut (in car color) from the body bolt between the holder of the original ecu and the cover of the ventilation.

#### 4. AEC Assembly



If the vehicle is equipped with an alarm system horn, fix it to the bracket by means of nut and spring ring M8.



Attach the AEC to the bracket with retaining clips, four spring rings and the four lens head screws M5 x6.

## 5. AEC installation



Connect the male multipoint connector to the serial plugs. Place the male multipoint connector under the bracket of the original ecu. Fix the bracket again and place the original ecu in the bracket. Connect the unmarked plugs from the aec wiring harness to the original ecu.



Mount the aec bracket left near the original bracket. Connect the marked points with the screw nuts with corrugated disc M6.



Connect the plugs marked with „AEC“ to the AEC. Fix the wiring harness with cable ties.



## 6. 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

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

Only gasoline engines: Apply the '98 ROZ Super Plus' sticker in the fuel filler flap.

### Hint:

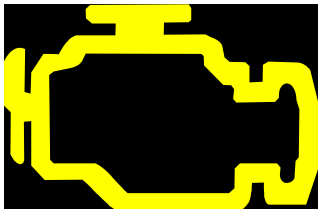
The AEC can be left built in for manufacturer service updates.  
The communication with the tester is not affected by the AEC.

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

## 7. Overall view



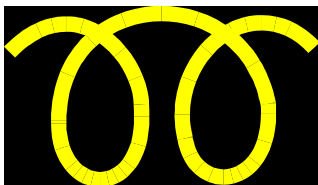
## 8. Warning lamps



Malfunction Indicator Lamp (MIL)



Electronic Power Control (EPC)



Control lamp „Preheat“

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