



Mounting instruction ABT AEC für PL72 CZAC

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1 Hints

Mounting instruction ABT AEC für PL72 CZAC

Vehicles: Audi Q7 CZAC

Assembly time: approx. 90 minutes

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 described.

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.

In case of an 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.

2 Information about electrical consumption

Power upgrades provided by an AEC increase the electrical consumption of a vehicle. An additional 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 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.


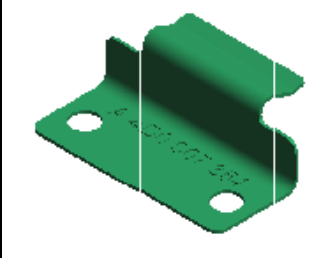
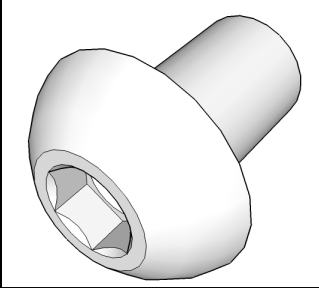
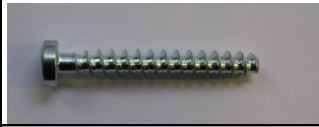

This bridge adapter can be purchased separately.



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

3 Scope of delivery

Please check the completeness of delivery before starting the installation. In case the delivery is incomplete, please contact ABT Sportsline GmbH.

Quantity	Picture	Description
1		ABT Engine Control
1		Wiring harness
1		"ABT Power" sticker
1		"ABT Information" sticker
1		ABT service book

Quantity	Picture	Description
14		Cable tie
2		Retaining clip 12mm
4		Lens head screw M5 x 6
2		Torx screw
4		Spring ring M5

Quantity	Picture	Description
1		AEC bracket
1		Clamp (standard part)

4 Preparations at the vehicle

Attention: The ignition lock must be turned off before you start to work at the car!



Remove the engine cover and the air filter box.



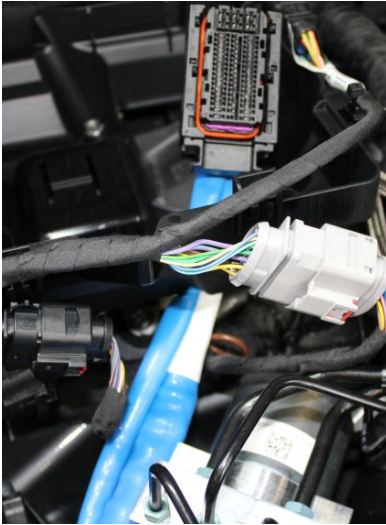
Remove the original engine control unit from the bracket.



Lift the original engine control unit and disconnect the 91-pin plug. Lay the cable in direction of the engine cover.



Unscrew the marked nuts and unhinge the marked plug connections from the bracket.



Lift up the standard bracket, put the AEC wiring harness through the gap and lay it in direction of the engine cover.



Connect the 91-pin plug of the AEC wiring harness with the standard socket of the standard engine control unit.



Fix the AEC wiring harness with cable ties.

Overview of all sensors:

- 1 – fuel rail pressure sensor
- 2 – boost pressure sensor
- 3 – speed sensor camshaft



1- fuel rail pressure sensor

Remove the air duct.



Remove the breather pipe.



Unscrew the clamp and put the injector for reducers aside.



Open the heat protection film. Connect the plug which is marked with "fuel rail pressure" in between the plugs.



Close the heat protection film. Fix the additional connection with a cable tie. Screw the injector for reducers with the clamp. Add the air duct and the breather pipe again.



2- boost pressure sensor

Connect the plug which is marked with "boost pressure" in between the plugs. Fix the additional connection with a cable tie.



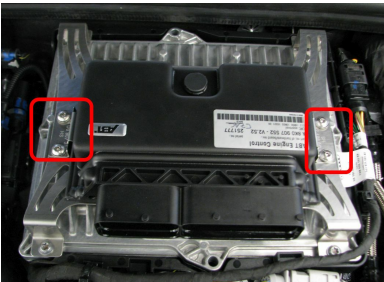
3- speed sensor camshaft

Connect the plug which is marked with "speed sensor camshaft" with the standard socket and the socket with the standard plug. Fix the additional connection with a cable tie.

5 AEC Assembly



The AEC bracket is installed on top of the standard ECU. Use the standard screws and the included torx-screws.



Place the AEC. Fix the holding clamps with the screws M5 X 6 and the spring ring on both sides.

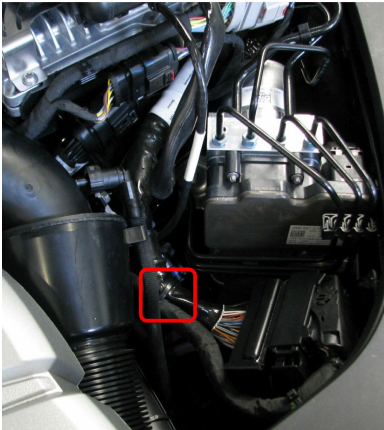
6 AEC Installation



Connect the endings of the AEC wiring harness, which are marked with "AEC", with the AEC.



Connect the 91-pin plug of the standard wiring harness with the multipole connector of the AEC wiring harness.



Fix the multipole connector and the wiring harness sufficiently with cable ties.

7 Completion

Read out the error memory and delete if necessary.

Start the engine and take a test drive.

Attach the sticker "ABT Power" to the engine cover and a sticker "ABT Information" on the lock carrier.

Only gasoline engines: Apply the sticker "98 ROZ Super Plus" 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 the EPC-lamp is blinking by turns, there is an error in the ABT AEC. Then please contact ABT Sportsline GmbH.

8 Overall view



9 Warning lamps

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