



Mounting instructions ABT AEC for PL 72 Q7

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1 Hints

Mounting instructions ABT AEC for PL 72 Q7

Vehicles: Audi Q7

Assembly time: approx. 45 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.


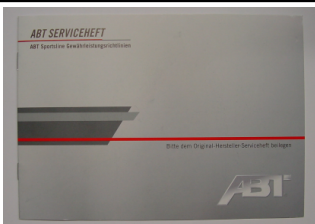

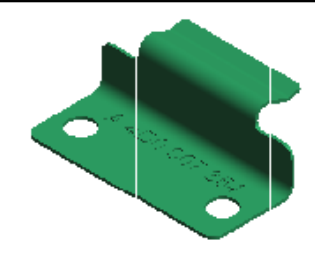
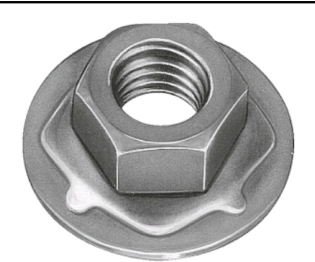
This bridge adapter can be purchased separately.


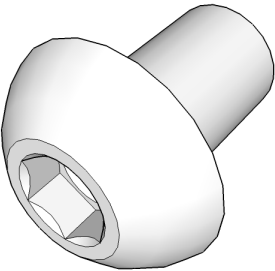
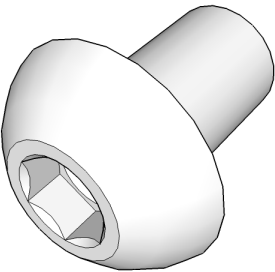

While staying abroad in areas where fuel quality is rather bad, we recommend to use the bridge adapter.




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	(no picture)	wiring harness
1		bracket
1		"ABT Information" sticker
1		"ABT Power" sticker

Quantity	Picture	Description
1		"Super Plus ROZ 98" sticker
1		ABT service book
5		cable ties
2		holding clamps 12 mm
2		nut with wave washer M6

Quantity	Picture	Description
4		washer M5
2		lens head screw M5 x 6
2		lens head screw M5 x 16
4		spring ring M5

Quantity	Picture	Description
1		hexagon socket screw M8
1		washer M8
1		spring ring M8

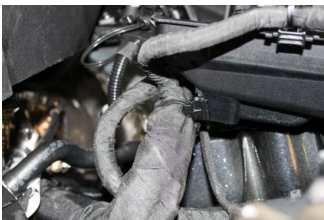
4 Preparations at the vehicle



Remove the ECU as specified by the manufacturer.



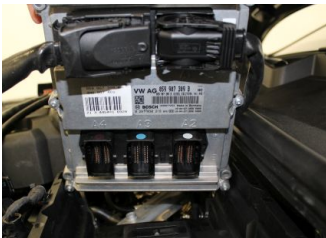
Disconnect the differential pressure sensor. Now lengthen the sensor cable with the supplied cable.



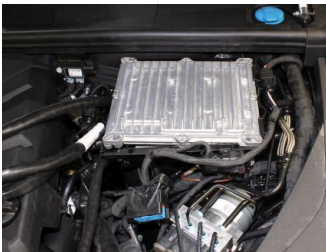
Remove the cable ties and the holding clamps that fix the standard wiring harness at the bracket.



Lay the standard wiring harness towards the front side of the vehicle, that the ECU bracket is accessible.



Connect the AEC wiring harness with the ECU.



Lay the AEC wiring harness under the ECU towards the engine cover.

5 AEC Assembly

The AEC bracket is installed between the ABS unit and the engine.



Fix one holding clamp with the smaller screws, spring rings and washers on the left side of the AEC bracket.



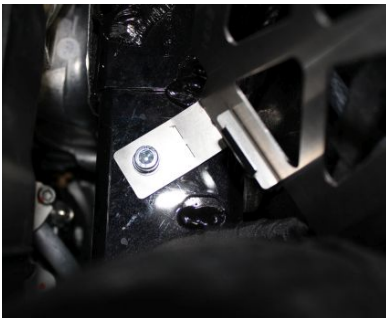
The AEC bracket gets fixed on the marked points.



The bolts on which the AEC bracket gets fixed.



Apply the AEC bracket at the fixing points.



Fix the lower holding arm with the enclosed screw, washer and spring ring on the car body.

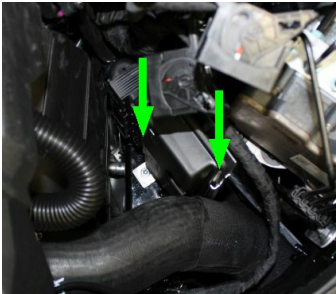


Fix the second holding arm with the help of the nuts.

6 AEC Installation



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



Push the AEC from above in the AEC bracket. The AEC should audibly lock in the bottom holding clamp.



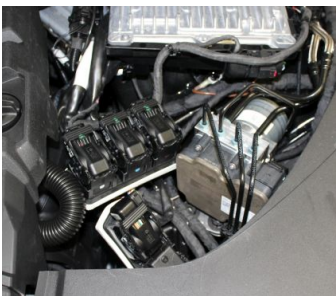
Fix the second holding clamp with the longer screws, washers and spring rings at the AEC bracket and fix the AEC with it.



Connect the supplied 3-pin extension with the standard plug of the differential-pressure-giver cable.



Connect the counterpart with the sensor again.



Connect the plugs of the ECU 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



Malfunktion Indicator Lamp (MIL)



Electronic Power Control (EPC)



Control lamp "Preheat"

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