



Assembly instructions ABT AEC for MLB 3,0 TDI

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1 Hints

Assembly instructions ABT AEC for MLB 3,0 TDI

Vehicles: Audi A4

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.



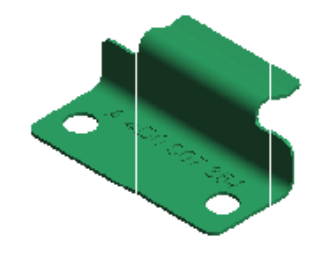
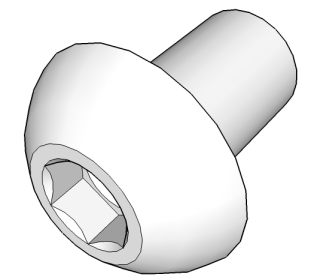

This bridge adapter can be purchased separately.



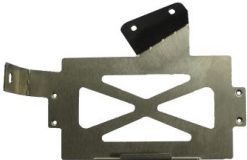
While staying abroad in areas where fuel quality is rather bad, we recommend to use the bridge adapter.

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.

Menge	Bild	Bezeichnung
1		ABT Engine Control
1		Wiring harness
1		"ABT Power" sticker
1		"ABT Information" sticker
1		ABT service book

Menge	Bild	Bezeichnung
1		"98 ROZ Super Plus" sticker (gas engine only)
5		Cable tie
1		Retaining clip 12 mm
2		Lens head screw M5 x 6
1		Plastic washer nut

Menge	Bild	Bezeichnung
2		Spring ring M5
2		Washer M5
1		AEC bracket

4 Preparations at the vehicle



Disconnect and remove the serial control unit.



Disconnect the 91-pin connector from the original ecu.



Connect the 91-pin connector from the AEC wiring harness in the engine control unit.



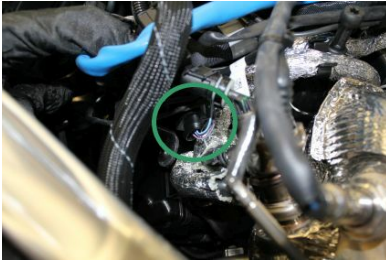
Install the AEC wiring harness in the direction of the interior air inlet.



Disconnect the plug from the intake air temperature sensor.



Connect the marked "intake air temperatur" plug of the wiring harness with the sensor. Connect the socket from the AEC wiring harness with the plug from the original wiring harness.



Disconnect the plug from the fuel pressure sensor.



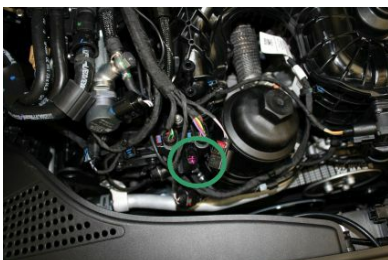
Connect the marked "fuel pressure sensor" plug of the wiring harness with the sensor. Connect the socket from the AEC wiring harness with the plug from the original wiring harness.



Disconnect the plug from the boost pressure sensor.



Connect the marked "buest pressure sensor" plug of the wiring harness with the sensor. Connect the socket from the AEC wiring harness with the plug from the original wiring harness.



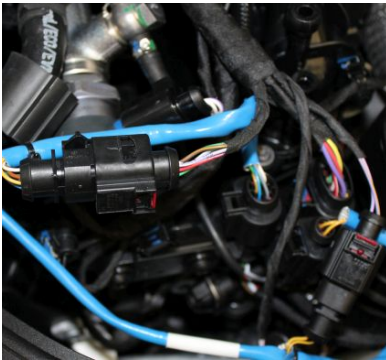
Disconnect the plug from the exhaust gas temperatur sensor.



Connect the marked "exhaust gas temperature" plug of the wiring harness with the sensor. Connect the socket from the AEC wiring harness with the plug from the original wiring harness.



Disconnect the plug from the coolant temperature sensor.



Connect the marked "coolant temperature" plug of the wiring harness with the sensor. Connect the socket from the AEC wiring harness with the plug from the original wiring harness



Disconnect the plug from the speed sensor camshaft.



Connect the marked "speed sensor" plug of the wiring harness with the sensor. Connect the socket from the AEC wiring harness with the plug from the original wiring harness



lay the plugs from the AEC wiring harness marked with "AEC" in the direction of the interior air inlet.

5 AEC Assembly



Take the air quality sensor out of the holder and screw off the marked nut. The AEC bracket gets mounded here.



Remove the cable bracket from the bolt. The AEC bracket gets fixed here.



Fix the AEC bracket with the plastic washer nut and the previously removed nut on the two anchorage points..

6 AEC Installation



Connect the plugs of the AEC harness that are marked with "AEC" to the AEC. Fix the AEC with the supplied retaining clip, washer, spring ring and screws at the AEC bracket.

Hint: The AEC can be fixed at the bracket before it gets mounted.



Fix the AEC harness and the male connector with the cable ties.

Caution: Please ensure that the cables do not contact other hot components in the car.

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"

ABT Sportsline GmbH

Johann-Abt-Str. 2

D-87437 Kempten / Allgäu

Phone: +49 (0)831 / 57140 - 0

Fax: +49 (0)831 / 72666

Email: info@abt-sportsline.de

www.abt-sportsline.de