



ALTERNATIVE FUEL ELECTRONICS

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# ASSEMBLY INSTRUCTIONS

## EMULATOR FOR STANDARD CAN CODE AEB428



OBDII - μFIX Emulator

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## WARNINGS



- Install vertically away from possible water leaks.



- Install away from excessive heat sources (e.g. exhaust manifolds).



- Install away from the ignition coils and route the wiring harness away from high voltage wires.



- Make good electrical connections without using cable clamps. Remember that the best connection is a duly insulated soldering.



- Do not open the timing advance processor casing for any reason whatsoever, especially when the engine is running or the panel is switched on.

**A.E.B. shall not be held liable for damage to things or people caused by unauthorised personnel tampering with the device.**

### WARNING



To perform a diagnosis of the OEM petrol injection system, it is necessary for the vehicle to be operating on PETROL.

## CONTENTS OF THE PACKAGE

The package contains:

- 1) No.1 Assembly instruction manual
- 2) No.1 Control unit
- 3) No.1 Connection wiring harness
- 4) No.1 Bag of accessories

## GENERAL DESCRIPTION

The "OBD II -  $\mu$ FIX" emulator avoids alteration of petrol carburation during Gas operation. This avoids the Check - Engine warning light from turning on during Gas operation.

There exist many types of emulators according to different types of vehicles, it is therefore important to assembly the correct one.

Carefully follow the assembly instructions during the installation of the emulator.

A wrong connection could cause malfunctions of the emulator.

Moreover, in the case of vehicles provided with dual exhaust system, thus two sensors upstream of the catalytic converters, it is important to identify the O2 sensor for bank 1 and the O2 sensor for bank 2 in order to allow the simulator to work correctly.

**NOTE: the bank 1 corresponde to cylinder 1.**

### WARNING

**The "OBD II -  $\mu$ FIX" simulator allows the vehicle's on - board diagnostic system to remain operational. Therefore, if the carburetion is not correct during the alternative fuel operation, the oxygen sensor located downstream of the catalytic converter can still trigger the engagement of the check - engine light.**

### WARNING

**Do not use on cars with automatic transmission (eg Ford Kuga 2.5 with automatic gearbox) because the emulator may interfere with the functioning of the transmission device.**

## WARRANTY

***The warranty certificate is available on the website AEB ([www.aeb.it](http://www.aeb.it)) in the products section/emulators/AEB428.***

## DESCRIPTION OF LEDS' OPERATION

In the emulator upper part there are three LEDs, one red, one yellow and one green LED.

The LED switching on gives the following information:

### RED LED AND YELLOW LED

**ON** – At the same time: Communication problems (check the wiring).

**OFF** – OK.

### GREEN LED

**ON** – Connection OK.

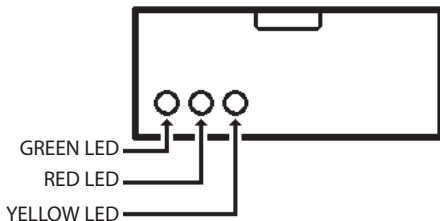
**OFF** – No communication.

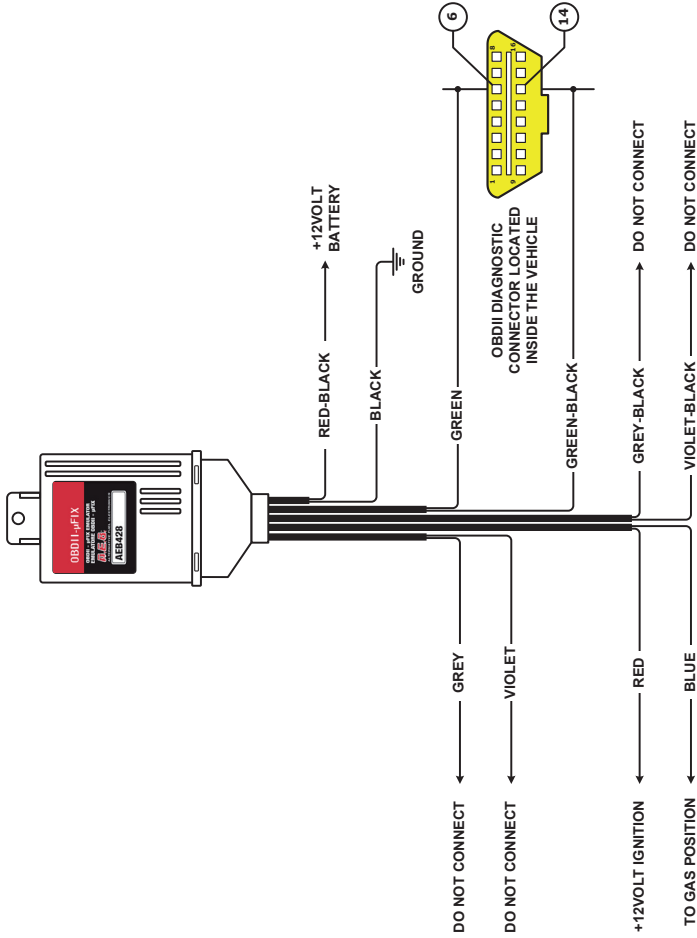
### YELLOW LED

**ON** – GASOLINE operation; the led remains always ON.

**OFF** – OK, GAS operation.

**NOTE:** If during the GAS operation the YELLOW LED remains ON, this means that there are communication problems, therefore it is necessary to check the wiring or the installed device is not compatible.





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The nullity of one or more conditions of this user licence will not, in principle, determine the nullity of the entire agreement.

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