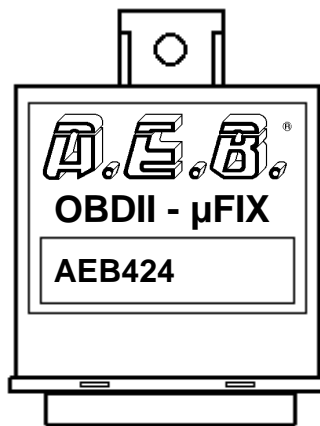


**EMULATORE SONDA LAMBDA
OBD II - μ FIX
cod. AEB424**



*Manuale Istruzioni di Montaggio e Garanzia
Fitting Instructions and Warranty Workbook
Manuel de mode d'Emploi et de Garantie
Manual instrucciones de Montaje y Garantia
Manual de Instruções de Montagem e Garantia*



General Information



- Install in vertical position away from possible water infiltration.



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



- Install away from ignition coil. Route the wiring Hanes away from spark plug wires.



- Make good electrical connections, avoiding the use of wire splicers. **Solder and properly isolate all connections.**

- Do not open the simulator box, especially while the engine is rotating or while the ignition key is on the ON position. **A.E.B. is not responsible for damages to persons or property resulting from tampering of its devices by unauthorised personnel.**



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

General Description

The "OBD II - μ 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 assemble the correct one.

Carefully follow the assembly instructions during the installation of the emulator (see enclosed drawings). 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 corresponds to cylinder 1.

WARNING

The "OBD II - μ FIX" simulator allows the vehicle's on - board diagnostic system to remain operational. Therefore, if the carburation 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.

Description of L.E.D.s' 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.

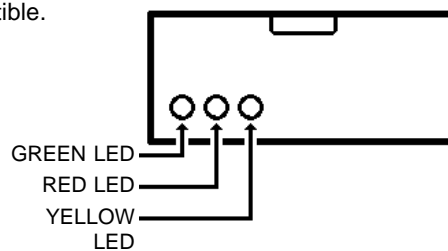
OFF – No communication.

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.



Warranty Certificate

Dear Customer,

Thank you for the trust you have shown in **A.E.B.** by purchasing this product. **A.E.B.** puts all its products through severe quality tests; if in spite of these checks the product malfunctions, please call the installer immediately for the necessary checks or work.

- General rules of warranty

A.E.B. guarantees the good operation of this product and its immunity from manufacturing defects and flaws. If during the warranty period the product should turn out to be defective, **A.E.B.** will take upon itself the necessary repairs or replacements, entrusting the work preferably to the original installer, otherwise a person designated by common agreement. Replacements of defective parts shall be made ex works **A.E.B.** with freight to be paid by the consignee. For the accessories or components not of **A.E.B.** manufacture, only the warranties acknowledged by the third - party manufacturers hold. This warranty is the only one given by **A.E.B.**, all others therefore being excluded. No liability, except in the case of fraud or grave offence, may be charged to **A.E.B.** for damage or injury to anything or anyonderiving from the product malfunctioning. This warranty is only operative for those who are up - to - date with their payments.

- Terms

Warranty shall be acknowledged for a period of **12 months from the data of installation** only upon presentation of this certificate, which must bear the installer's stamp, the date of installation, the serial number of the product and the vehicle the product was installed on, accompanied by the invoice or receipt issued by the installer giving the serial numbers of the products installed. Without this information **A.E.B.**, however, acknowledges a warranty of **18 months from the date printed on the product** with indelible paint. **A.E.B.** may reject acknowledgement of warranty if this information is incomplete or has been tampered with after purchase. Warranty shall only hold if at the time of purchase the product is well conserved and integral in its packing and packaging prepared by **A.E.B.** which are the only ones assuring its origin and adequate protection.

- Exclusions from warranty

This warranty does not cover:

- a)** Periodical checks, maintenance, repairs or replacement of parts due to normal deterioration;
- b)** Malfunctioning due to negligence, bad installation, improper use or use that is not in conformity with the technical instructions provided and in general any malfunctioning that cannot be traced to manufacturing defects and flaws in the product and therefore to the responsibility of **A.E.B.**;
- c)** Products modified, repaired, replaced, fitted and anyhow tampered with by anyone without prior written authorization from **A.E.B.**;
- d)** Accidents originating in causes of force majeure or other causes (eg. water, fire, lightning, bad ventilation, etc.) beyond the control of **A.E.B.**.

No one may resell or install products with manufacturing defects or flaws that are identifiable with normal conscientiousness.
The competent Court for any disputes regarding the interpretation and execution of this warranty is solely the Court of Reggio Emilia.

Car model : _____

Serial Number :

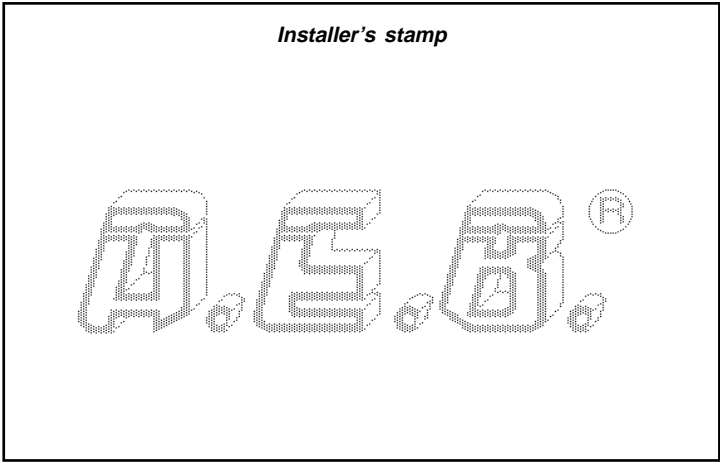
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Date of installation :

<i>Day</i>	

<i>Month</i>	

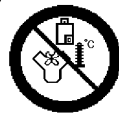
<i>Year</i>			



Avertissements généraux



- Installer en position verticale loin des éventuelles infiltrations d'eau.



- Installer loin des sources de chaleur excessives (ex. collecteurs d'échappement)



- Installer loin de la bobine d'allumage et passer le câblage loin des câbles de haute tension.



- Réaliser de bonnes connexions électriques en évitant l'utilisation des "vol - courant". **Il est rappelé que la meilleure connexion est le soudage dûment isolé.**

- N'ouvrir pour aucun motif le boîtier de l'Emulateur, surtout avec le moteur en marche ou le tableau inséré. **A.E.B. décline toute responsabilité pour dommages à choses et personnes dérivant de l'altération de son dispositif de la part de personnel non autorisé.**



ATTENTION!

Afin de pouvoir effectuer un diagnostic du système d'injection original sur la voiture, il est nécessaire que la voiture soit commutée à l'ESSENCE.



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