

FUEL OPTIMIZER K3 - USER MANUAL

The complete package which forms the fuel optimizer K3 consists of 4 /four/ module boxes. It changes the structure of fuel and air and also influences the electrical system of the vehicle through the battery so as to provide better burning process inside the engine. It has been tested and works well on engines up to 4000cm³. For larger engines it is recommended that you install two or more K3 fuel optimizers, according to the engine size. When it comes to a specific case do not hesitate to contact us whether it is about consultation or the actual installation.

EFFECT

The fuel optimizer K3 significantly reduces not only the consumed fuel but also the harmful fuel emissions. When having a consistent driving style you would experience between 18% to 25% fuel economy depending on the engine type, age, size and the technical condition of the vehicle.. When driving through urban areas the effect is reduced but usually reaches up to 15%. After the installation it is necessary to travel 30-40km with the vehicle or two ensure 15-20 minutes of engine work has passed, so as to achieve the full effect K3 provides you with. After that you could correctly calculate the reduced fuel consumption and test the better dynamics of the car. The effect could be easily seen on the board computer in case it displays “moment fuel consumption”.

Effect on LPG systems without a computer

In cases of longer traveling and cars with installed LPG systems without an included gas computer, when the overtake is regulated using TAP(Timing Advance Processor) at +6 degrees on low and +15 degrees on high RPM, up to 35% fuel economy is achieved. In case of missing auto regulation of the LPG systems using computer – oxygen sensor (close loop), it is required that you reduce the parameters of the fuel mixture manually, which also increases the engine power. **The regular LPG systems should be regulated manually.**

The common theoretical conception of the positive effect is due to the structuring of the fuel which helps improving its physical and chemical properties. This is well known by the specialists and has been used since decades on combustion engines. However, the fuel optimizer K3 is designed to use some additional physical effects connected with improving both the treatment of the air and the electrical efficiency of the battery. This way an extremely optimized fuel burning process is achieved, which directly influences engine's productivity and reduces the harmful fuel emissions due to better burning of the fuel.

INSTALLATION

On petrol and diesel engines, one of the K3 boxes should be stick on a proper vertical wall of the gas tank in its lower part so there is constantly fuel inside /you should remove the protective tape on the active surface./ After cleaning the surface on the tank using alcohol, the box should be stuck with a strong pressure. When using on LPG systems or on methane fuel systems you should place one box of the k3 package horizontally on the lower part of the LPG bottle /it attaches itself quite well due to the implemented magnets but it is good to be taped on also/. On toroidal bottles the boxes should be placed on a place with enough horizontal space /on the lower part, upper part or on the side/ so the central line on the long side of the box contacts with the metal.

The other two K3 boxes should be attached directly on the surface of the battery near the + pole. The place should be cleaned with alcohol and a clean piece of cloth or kitchen paper. The box could be placed on the horizontal upper part of the battery, but it is good if the surface is solid (without hollow elements nearby). Good areas are also the ones on the vertical walls of the battery and on the upper part near the + pole. The active surface of the K3 box should have a full contact with the battery. On car batteries which are placed in a box, when there is no way to stick the K3 boxes directly on the battery surface, the placement of the two boxes should be done on the air filter facing the surface on the filter element /when it is horizontal – on vertical filters it is on the wall of the box/. The other two boxes should be attached in the way described earlier on the fuel tank or on the LPG bottle.

If you do not have enough practical experience in engines, please contact an auto workshop to do the placement for you.

SERVICE AND MAINTENANCE

The K3 boxes are well sealed and do not need any maintenance and consumables. They work well between temperatures from -40 degrees Celsius to +90 degrees Celsius. The connecting double-sticking tape is water proof and bonds with force of more than 10kg. One fuel optimizer K3 weights from 60 to 70 grams /between the different modifications the weight slightly varies/ so this is more than enough force to keep them tight. An eventual dismount of the optimizer could happen when you bring its corner up with a screwdriver or any similar tool.

The package consisting of optimizers K3 could be put on and off on different vehicles but only when the installing conditions are met. The double-sticking tape allows to be used once again with almost the same bonding qualities. The technology which the fuel optimizer K3 uses is a protected know-how which is a property of "Caduceus Bulgaria" LTD and as the earlier modifications K1 and K2 is a result of company's research and numerous tests on different vehicles, engines and types of fuel.

GUARANTEE SHEET

The producer "Caduceus Bulgaria" LTD guarantees **an unconditional full refund** in return of the full K3 package (the 4 boxes). The refund is valid up to 30 days from the purchase, if the optimizer is not damaged or broken. This happens only when this guarantee sheet is filled and presented by the customer.

You receive 5 years full guarantee on the optimizer. The guarantee is not valid if the construction is damaged not because of a manufacturing error but because of the customer (disassembly, fire, car crash, unauthorized repair, etc).

SELLER:

„Caduceus Bulgaria” LTD

Central department – Lovech city, Targovska 44 str., floor 4, office 5

E-mail: caduceus_bg@abv.bg ; WEB: www.optimizatori.com ; Phone: +359885 781469; +359898 544558

Date:

Manager:

/ A. Asenov/

CUSTOMER:

Name, Surname, Last name:

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Adress:

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Vehicle details /size of the engine, type of fuel, age, kilometers passed before the installation of K3

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Reason of the refund request:

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Kilometers passed after the K3 installation:

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Where the installation is done /by yourself, in a workshop – name and address of the workshop/

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Date of the refund request:

Customer signature: