

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER D-52
Relating to Exemptions under Section 27156
of the Vehicle Code

THE FUELIZER CORPORATION
"ELECTRONIC ENGINE FUELIZER" ✓

Pursuant to the authority vested in the Air Resources Board by Section 27156 of the Vehicle Code; and

Pursuant to the authority vested in the undersigned by Section 39023 of the Health and Safety Code;

IT IS ORDERED AND RESOLVED: That the installation of the "Electronic Engine Fuelizer" manufactured by the Fuelizer Corporation has been found to not reduce the effectiveness of required motor vehicle pollution control devices and, therefore, is exempt from the prohibitions of Section 27156 of the Vehicle Code for 1975 model-year vehicles and older except vehicles equipped with oversize ignition wires, such as, Delco Remy HEI systems used with General Motors Corporation vehicles. This device consists of a set of plastic ignition wire adapters connected by an insulated wire.

This Executive Order is valid provided that installation instructions for this device will not recommend tuning the vehicle to specifications different than those listed by the vehicle manufacturer. No claim shall be made for requiring special ignition wires with this device.

Changes made to the design or operating conditions of the device as originally submitted to the Air Resources Board for evaluation that adversely affect the performance of the vehicle's pollution control devices shall invalidate this Executive Order.

Marketing of this device using an identification other than that shown in this Executive Order or marketing of this device for an application other than those listed in this Executive Order shall be prohibited unless prior approval is obtained from the Air Resources Board.

This Executive Order does not constitute any opinion as to the effect that the use of this device may have on any warranty either expressed or implied by the vehicle manufacturer.

THIS EXECUTIVE ORDER DOES NOT CONSTITUTE A CERTIFICATION, ACCREDITATION, APPROVAL, OR ANY OTHER TYPE OF ENDORSEMENT BY THE AIR RESOURCES BOARD OF ANY CLAIMS OF THE APPLICANT CONCERNING ANTI-POLLUTION BENEFITS OR ANY ALLEGED BENEFITS OF THE "ELECTRONIC ENGINE FUELIZER" DEVICE.

No claim of any kind, such as "Approved by Air Resources Board" may be made with respect to the action taken herein in any advertising or other oral or written communication.

On the basis of its evaluation of the Fuelizer device, the Air Resources Board has determined that the Fuelizer does not have a significant effect on engine ignition performance.

Section 17500 of the Business and Professions Code makes unlawful, untrue or misleading advertising, and Section 17534 makes violation punishable as a misdemeanor.

Sections 39130 and 39184 of the Health and Safety Code provide as follows:

"39130. No person shall install, sell, offer for sale, or advertise, or, except in an application to the board for certification of a device, represent, any device as a motor vehicle pollution control device unless that device has been certified by the board. No person shall sell, offer for sale, advertise, or represent any motor vehicle pollution control device as a certified device which, in fact, is not a certified device. Any violation of this section is a misdemeanor."

"39184. (a) No person shall install, sell, offer for sale, or advertise, or, except in an application to the board for accreditation of a device, represent, any device as a motor vehicle pollution control device for use on any used motor vehicle unless that device has been accredited by the board. No person shall sell, offer for sale, advertise, or represent any motor vehicle pollution control device as an accredited device. Any violation of this section is a misdemeanor."

Any apparent violation of the conditions of this Executive Order will be submitted to the Attorney General of California for such action as he deems advisable.

Executed at Sacramento, California, this 30th day of May, 1975.



WILLIAM SIMMONS
Executive Officer

State of California

AIR RESOURCES BOARD

March 10, 1975

Staff Report

THE FUELIZER CORPORATION
"ELECTRONIC ENGINE FUELIZER"

Distributor Terminal Adapter
System for Exemption to the Prohibitions
of Section 27156 of the Motor Vehicle Code

I. Introduction

The Fuelizer Corporation has applied for exemption to the prohibitions of Section 27156 of the Motor Vehicle Code for the "Electronic Engine Fuelizer". Section 27156 prohibits the installation of any device which reduces the effectiveness of motor vehicle emission control systems unless found by the Air Resources Board to not adversely affect emissions. The applicant intends to sell the product as an aftermarket part for 1975 model-year vehicles and older except vehicles equipped with oversize ignition wires, such as, Delco Remy HEI systems used with General Motors Corporation vehicles.

The Air Resources Board had previously evaluated similar devices when marketed under the name of "Paser Magnum" and "Paser 500". After performing an engineering evaluation, the Board found these devices to not have an adverse effect on the existing pollution control system and Section 27156 exemptions were granted to the manufacturers of these devices.

March 10, 1975

II. System Description

This device is a set of nine metallic clips molded in plastic adapters which are installed over the ignition wires near the distributor terminals. The metallic clips are connected in series by an insulated wire. No direct electrical continuity exists between the clips and the ignition wires. The installed device is shown in Figure 1.

III. System Evaluation

The only possible adverse effect arising from installation of this device is cross firing that may occur between the clips and ignition wire. Although there is no electrical continuity between the insulated wire and the adapter clips, very high voltages have a tendency to bridge insulated terminals which may lead to premature firing of the air/fuel mixture.

Tests to determine whether this effect existed were performed on a similar device. The tests consisted of using the vehicle's ignition system to generate the high voltage required to bridge the gap between the wire and the adapter. One test was performed with the ignition on and the engine not operating and a second test was performed with the engine running at idle.

For both tests, the adapter insulated wire was cut and each end connected to the leads of a voltmeter to determine if any electrical potential existed.

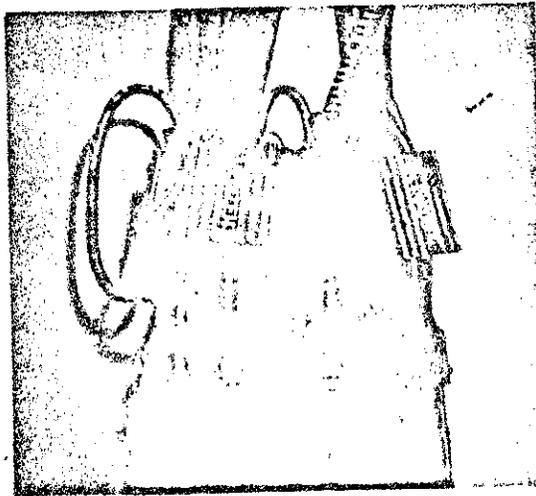
No deflection on the voltmeter was noticed in both tests indicating that the ignition wire has enough resistance to prevent electrical continuity from existing between the ignition wire and terminal.

IV. Conclusion and Recommendation

The test performed on similar devices indicate that they do not have any adverse affect on the existing emission control system. It is the staff's opinion that the "Electronic Engine Fuelizer" will have the same effect. Therefore, the staff recommends that the "Electronic Engine Fuelizer" be granted an exemption from the prohibitions of Section 27156 for 1975 and older model year vehicles except vehicles equipped with oversize ignition wires, such as, Delco Remy HEI systems used with General Motors Corporation Vehicles.

FIGURE 1

ELECTRONIC ENGINE
Fuelizer



INSTALLS IN A MINUTE

Just snap in place on the ignition wires just above
the distributor cap-no tools required.