

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER D-174-2
Relating to Exemptions Under Section 27156
of the Vehicle Code

THE MAGNETIZER GROUP, INC.
"FUEL-ENERGIZER" MODEL AFE-1

WHEREAS, Vehicle Code Section 27156 and Title 13 California Code of Regulations (hereafter "CCR") Section 2222(e), authorize the California Air Resources Board and its Executive Officer to exempt add-on and modified parts from the prohibitions of Vehicle Code Section 27156.

WHEREAS, The Magnetizer Group, Inc. has applied to the ARB for exemption from the prohibitions of Vehicle Code Section 27156 for the "Fuel-Energizer" model AFE-1 device.

WHEREAS, pursuant to the authority vested in the Executive Officer by Health and Safety Code Section 39515 and in the Chief, Mobile Source Division by Health and Safety Code Section 39516 and Executive Order G-45-5, the Air Resources Board finds:

1. The "Fuel-Energizer" model AFE-1 is an add-on device that is attached to the fuel line in a motor vehicle.
2. The fuel line is part of the required motor vehicle pollution control system.
3. The "Fuel-Energizer" model AFE-1 is intended for use with a required pollution control system.
4. The "Fuel-Energizer" model AFE-1 by being installed in the fuel line alters the original design of a motor vehicle pollution control system.
5. The "Fuel-Energizer" model AFE-1 is a device subject to the prohibitions of Vehicle Code Section 27156 and an add-on part as defined by 13 CCR Section 1900(b)(1).
6. The "Fuel-Energizer" model AFE-1 does not reduce the effectiveness of any required motor vehicle pollution control device.
7. The Air Resources Board, in the exercise of technical judgement, is aware of no basis on which the "Fuel-Energizer" model AFE-1 will provide either a decrease in emission or an increase in fuel economy.
8. It has not been determined what effect the use of the "Fuel-Energizer" model AFE-1 may have on any warranty, either expressed or implied, by the manufacturer of a motor vehicle on which the device is installed.

9. The "Fuel-Energizer" model AFE-1 is not a certified motor vehicle pollution control device pursuant to Health and Safety Code Section 43644.
10. The Air Resources Board by granting an exemption to the The Magnetizer Group, Inc. for the "Fuel-Energizer" model AFE-1 does not recommend or endorse in any way the "Fuel-Energizer" model AFE-1 for emissions reduction, fuel economy, or any other purpose.

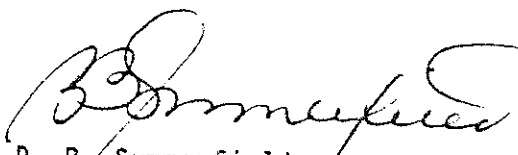
IT IS HEREBY RESOLVED that the "Fuel-Energizer" model AFE-1 is exempt from the prohibitions of Vehicle Code Section 27156 for installation on 1992 and earlier model-year vehicles powered with gasoline or diesel internal combustion engines subject to the following conditions:

1. This exemption shall not apply to any device, apparatus, or mechanism advertised, offered for sale or sold with, or installed on, a motor vehicle prior to or concurrent with transfer to an ultimate purchase.
2. No changes are permitted to the device as described in the application for exemption. Any changes to the device, applicable model year, or other factors addressed in this order must be evaluated and approved by the Air Resources Board prior to marketing in California.
3. 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. Exemption of this product shall not be construed as an exemption to sell, offer for sale, or advertise any component of the product as an individual device.
4. Any oral or written references to this Executive Order or its content by the The Magnetizer Group, Inc., its principals, agents, employees, distributors, dealers, or other representatives must include the disclaimer that the Executive Order or the exemption it provides is not an endorsement or approval of any fuel economy or emissions reduction claims for the "Fuel-Energizer" model AFE-1 and is only a finding that the device is exempt from the prohibitions of Vehicle Code Section 27156.
5. No claim of any kind, such as "Approved by the Air Resources Board" may be made with respect to the action taken herein in any advertising or other oral or written communication.

Violation of any of the above conditions shall be grounds for revocation of this order. The order may be revoked only after a ten-day written notice of intention to revoke the order, in which period the holder of the order may request in writing a hearing to contest the proposed revocation. If a hearing is requested, it shall be held within ten days of receipt of the request and the order may not be revoked until a determination after hearing that grounds for revocation exist.

Executive Order D-174-1, dated September 19, 1990, is superseded and of no further force and effect.

Executed at El Monte, California, this 10th day of October, 1991.



R. B. Summerfield
Assistant Division Chief
Mobile Source Division

State of California
AIR RESOURCES BOARD

EVALUATION OF THE MAGNETIZER GROUP, INC.'S "FUEL-ENERGIZER" MODEL AFE-1
FOR EXEMPTION FROM THE PROHIBITIONS OF VEHICLE CODE SECTION
27156 IN ACCORDANCE WITH SECTION 2222, TITLE 13, OF THE
CALIFORNIA ADMINISTRATIVE CODE

October 1991

State of California
AIR RESOURCES BOARD

EVALUATION OF THE MAGNETIZER GROUP, INC.'S "FUEL-ENERGIZER" MODEL AFE-1
FOR EXEMPTION FROM THE PROHIBITIONS OF VEHICLE CODE SECTION
27156 IN ACCORDANCE WITH SECTION 2222, TITLE 13, OF THE
CALIFORNIA ADMINISTRATIVE CODE

by

Mobile Source Division
State of California
Air Resources Board
9528 Telstar Avenue
El Monte, CA 91731-2990

(This report has been reviewed by the staff of the California Air Resources Board and approved for publication. Approval does not signify that the contents necessarily reflect the views and policies of the Air Resources Board, nor does mention of trade names or commercial products constitute endorsement or recommendation for use.)

SUMMARY

The Magnetizer Group, Inc. (Magnetizer), of P. O. Box 1000, Point Pleasant Pike, Gardenville, PA 18926, has requested to update Executive Order D-174-1 from the prohibitions in Section 27156 of the California Vehicle Code for their "Fuel-Energizer" model AFE-1 device. Executive Order D-174-1 currently exempts the Fuel-Energizer for 1991 and older model-year gasoline and diesel powered vehicles. Magnetizer would like to update the exemption to include 1992 model-year gasoline and diesel powered vehicles.

The staff recommends adoption of Executive Order D-174-2 granting an exemption for the Fuel-Energizer for 1992 and older model-year gasoline and diesel powered vehicles.

TABLE OF CONTENTS

	Page Number
SUMMARY	i
CONTENTS	ii
I. INTRODUCTION	1
II. CONCLUSION	1
III. RECOMMENDATION	1
IV. DEVICE DESCRIPTION	2
V. DISCUSSION	2
APPENDIX	4
A: ENGINEERING DRAWING	

EVALUATION OF THE MAGNETIZER GROUP, INC.'S "FUEL-ENERGIZER" MODEL AFE-1 DEVICE
FOR EXEMPTION FROM THE PROHIBITIONS OF VEHICLE CODE SECTION
27156 IN ACCORDANCE WITH SECTION 2222, TITLE 13, OF THE
CALIFORNIA ADMINISTRATIVE CODE

I. INTRODUCTION

The Magnetizer Group, Inc. (Magnetizer), of P. O. Box 1000, Point Pleasant Pike, Gardenville, PA 18926, previously received an exemption from the prohibitions of Vehicle Code Section (VC) 27156 for the "Fuel-Energizer" model AFE-1 device under Executive Order D-174-1. Under Executive Order D-174-1, the device can be used on 1991 and older model-year gasoline and diesel powered vehicles. Magnetizer has requested that the exemption for the Fuel-Energizer be updated to include 1992 model-year vehicles.

II. CONCLUSIONS

The Air Resources Board's (ARB) staff previously determined through an engineering evaluation that the Fuel-Energizer would not adversely affect the vehicle's exhaust emissions. Since there are no changes in the size, shape or operational principle of the device, the staff has no basis upon which to deny the request of the applicant and concurs that the device will have no adverse impact on emissions of 1992 and older model-year gasoline and diesel powered vehicles.

III. RECOMMENDATION

The staff recommends that the Magnetizer Group, Inc. be granted an exemption from the prohibitions in California Vehicle Code Section 27156 for their Fuel-Energizer device and that Executive Order D-174-2 be issued.

IV. DEVICE DESCRIPTION

The Fuel-Energizer is a magnetic device which is designed for installation on fuel lines. It is oblong shaped, with extended edges on the sides and consists of two parts each named as magnetizer 1/2 unit. It is designed to fit around small diameter fuel lines (less than 1/2") and is held by two locking ties. There are two cube magnets with dimensions of 1/2" X 5/8" X 2-3/8" in each half device. The device is encased in a plastic coating in order to hold the magnets in place and prevent the steel plate from corroding. Appendix A contains an engineering drawing of the device. No adjustments such as timing, EGR, fuel metering or any other engine adjustments are included in the installation instructions.

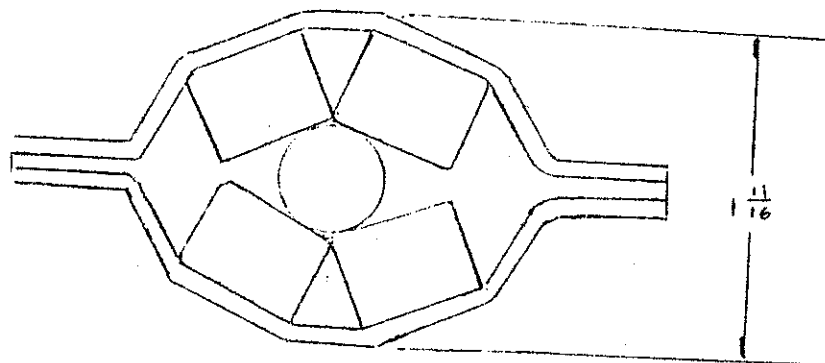
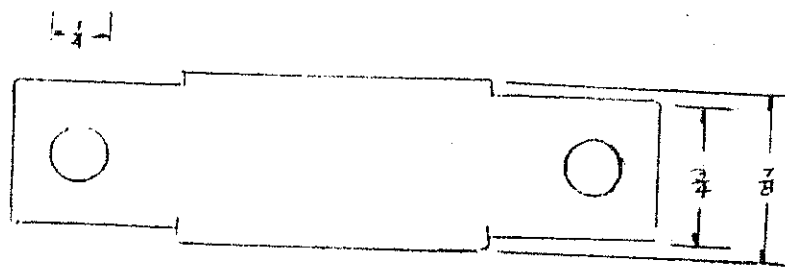
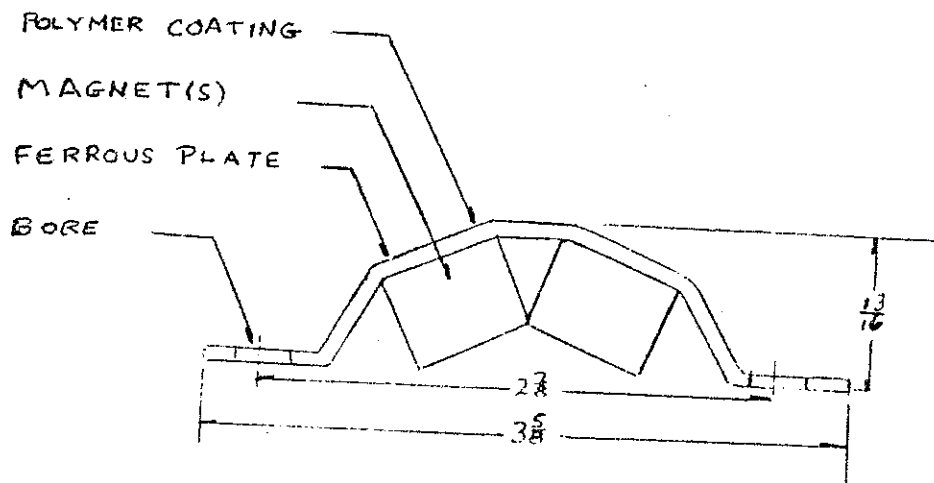
V. DISCUSSION

Magnetizer claims that when the Fuel-Energizer is installed on a vehicle's fuel line, it will alter the ion polarities of the fuel resulting in improved vaporization, air/fuel mixture, combustion rate, engine performance and fuel economy. The ARB did not perform any testing on the device to substantiate the claims made by the manufacturer. It is, however, the staff's opinion that the technical principles underlying the stated functions of the device are not capable of producing any effects on emissions and fuel economy. The ARB has previously exempted two similar devices; "Polarion-X" by AZ Industries, Inc. and "Softron model #100 Fluid Conditioner" by Softron International, Inc. The exemptions were granted based on emission tests

and engineering evaluations. Because of the previous exemptions issued to similar devices with the same operating principle and the fact that qualifying for an exemption is based on not adversely affecting exhaust emissions, the staff recommends that the Magnetizer Group, Inc. be granted an exemption as requested.

APPENDIX

APPENDIX A



Engineering Drawing
"Fuel Energizer"