

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER D-227
Relating to Exemptions Under Section 27156
of the Vehicle Code

EMISSIONS TECHNOLOGY, INC.
ECOLIZER DEVICE

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

WHEREAS, Emissions Technology, Inc. has applied to the ARB for exemption from the prohibitions of Vehicle Code Section 27156 for the Ecolizer 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 Ecolizer 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 Ecolizer is intended for use with a required pollution control system.
4. The Ecolizer by being installed in the fuel line alters the original design of a motor vehicle pollution control system.
5. The Ecolizer 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 Ecolizer 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 Ecolizer will provide either a decrease in emission or an increase in fuel economy.
8. It has not been determined what effect use of the Ecolizer may have on any warranty, either expressed or implied, by the manufacturer of a motor vehicle on which the device is installed.

9. The Ecolizer 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 Emissions Technology, Inc. for the Ecolizer does not recommend or endorse in any way the Ecolizer for emissions reduction, fuel economy, or any other purpose.

IT IS HEREBY RESOLVED that the Ecolizer is exempt from the prohibitions of Vehicle Code Section 27156 for installation on 1991 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 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 Emissions Technology, 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 Ecolizer 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.

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EXECUTIVE ORDER D-227
(Page 3 of 3)

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.

Executed at El Monte, California, this 9 day of July, 1991.



for R. B. Summerfield
Assistant Division Chief
Mobile Source Division

State of California
AIR RESOURCES BOARD

EVALUATION OF EMISSIONS TECHNOLOGY, INC.'S ECOLIZER DEVICE
FOR EXEMPTION FROM THE PROHIBITIONS OF VEHICLE CODE SECTION
27156 IN ACCORDANCE WITH SECTION 2222, TITLE 13, OF THE
CALIFORNIA ADMINISTRATIVE CODE

July 1991

State of California
AIR RESOURCES BOARD

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by

Mobile Source Division
State of California
Air Resources Board
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(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

Emissions Technology, Inc., of 6703 E. 27th Street, Tulsa, OK 74129, has applied for exemption from the prohibitions in Section 27156 of the California Vehicle Code for the Ecolizer device. The device is designed for installation on 1991 and older model-year gasoline and diesel powered vehicles.

Previously the Air Resources Board (ARB) exempted four similar devices: the "Moleculator Fuel Energizer" and the "Fuel Dominator" by Internal Energy Management Corporation, the "Top Eliminator" by Top Eliminator, Inc., and the "Vitalizer" by P.A.C.E. Setters of America. Based on the engineering evaluation of the Ecolizer device and exemptions issued for the devices that operate in a manner similar to the Ecolizer, the staff believes that the Ecolizer will not have any adverse effects on the exhaust emissions from gasoline and diesel powered vehicles.

The staff recommends that the Ecolizer device be exempted from the prohibitions in Vehicle Code Section 27156 and that Executive Order D-227 be issued.

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
APPENDICES	3
A: INSTALLATION INSTRUCTIONS	4

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I. INTRODUCTION

Emissions Technology, Inc., of 6703 E. 27th Street, Tulsa, OK 74129, has applied for an exemption from the prohibitions of Vehicle Code Section (VC) 27156 for the Ecolizer device. The device is designed for installation on 1991 and older model-year gasoline and diesel powered vehicles. The applicant submitted a sample and specifications of the device for our evaluation.

II. CONCLUSIONS

Previously, the Air Resources Board (ARB) exempted four similar devices: the "Moleculator Fuel Energizer" and the "Fuel Dominator" by Internal Energy Management Corporation, the "Top Eliminator" by Top Eliminator, Inc., and the "Vitalizer" by P.A.C.E. Setters of America. Based on the engineering evaluation of the device and the exemptions issued to other devices that operate in a manner similar to the Ecolizer, the staff has determined the Ecolizer will not have any adverse effects on the exhaust emissions from gasoline and diesel powered vehicles.

III. RECOMMENDATION

The staff recommends that Emissions Technology, Inc. be granted an exemption from the prohibitions in California Vehicle Code Section 27156 for the Ecolizer device and that Executive Order D-227 be issued.

IV. DEVICE DESCRIPTION

The Ecolizer is a cylindrical shape device designed for installation in series with the vehicle's fuel line. The outer core of the Ecolizer is composed of metal alloys. The device is enlarged on both ends in order to match the fuel lines. The Ecolizer is 5.5 inches long with a core length of 4.5 inches, and an inner core diameter ranging from approximately 3/8 inches to 7/8 inches. The device's installation instructions are shown in Appendices A.

V. DISCUSSION

Emissions Technology, Inc. claims that the Ecolizer, when installed on a vehicle's fuel line, reacts with the fuel allowing it to vaporize easier for a more efficient fuel burn. The manufacturer claims this reduces emissions, and removes or prevents formation of deposited materials in the fuel lines and fuel-contacted parts of the engine. The ARB did not perform any testing on the device to substantiate the claims made by the manufacturer. However, it is the staff's opinion that the technical principles underlying the stated function of the device are not capable of producing any effects on emissions and fuel economy.

The ARB previously exempted four similar devices; "Moleculator Fuel Energizer" and "Fuel Dominator" by Internal Energy Management Corporation, "Top Eliminator" by Top Eliminator, Inc., and "Vitalizer" by P.A.C.E. Setters of America. Because of previous exemptions issued to similar devices with the same operating principle as the Ecolizer and the fact that qualifying for an exemption is based on not adversely affecting exhaust emissions, the staff recommends that Emissions Technology, Inc. be granted an exemption as requested.

APPENDIX

INSTALLATION INSTRUCTIONS

The ECOLIZER may be installed anywhere in the fuel system, however, with diesel engines it is always recommended that the ECOLIZER be installed after a fuel filter to avoid debris from entering and plugging the device.

NOTE: IT IS RECOMMENDED THAT A LICENSED AUTOMOTIVE MECHANIC, FAMILIAR WITH FUEL LINE MAINTENANCE, INSTALL THE DEVICE.

