

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER D-118
Relating to Exemptions under Section 27156
of the Vehicle Code

R. C. ENTERPRISES INC.
"MR. MIZER"
"MR. GAS MIZER"

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 Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-45-5;

IT IS ORDERED AND RESOLVED: That the installation of the Mr. Mizer or Mr. Gas Mizer manufactured by R. C. Enterprises Inc. of Twinsberg, Ohio has been found not to 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 1981 and older gasoline powered carburetor equipped vehicles.

This Executive Order is valid provided that installation instructions for this device will not recommend tuning the vehicle to specifications different from those submitted by the device manufacturer.

Changes made to the design or operating conditions of the device, as exempted by the Air Resources Board, that adversely affect the performance of a vehicle's pollution control system 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. Exemption of a kit shall not be construed as an exemption to sell, offer for sale or advertise any component of a kit as an individual device.

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 MR. MIZER OR MR. GAS MIZER.

R. C. ENTERPRISES INC.
"MR. MIZER"
"MR. GAS MIZER"

EXECUTIVE ORDER D-118
(Page 2 of 2)

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.

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

Section 43644 of the Health and Safety Code provides as follows:

"43644. (a) No person shall install, sell, offer for sale, or advertise, or, except in an application to the state board for certification 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 certified by the state 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 subdivision 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 El Monte, California, this 4th day of August, 1981.


K. D. Drachand, Chief
Mobile Source Control Division

State of California
AIR RESOURCES BOARD

Staff Report

July 20, 1981

Evaluation of the R.C. Enterprises Inc. "Mr. Mizer", "Mr. Gas Mizer" Water injection system in accordance with Section 2222, Title 13 of the California Administrative Code.

I. INTRODUCTION

R. C. Enterprises Inc. of Twinsberg, Ohio has applied for exemption from the prohibitions of Section 27156 of the California Vehicle Code (V.C.) for a device called the Mr. Mizer or Mr. Gas Mizer. Exemption is being sought for all carburetor equipped engines. The device was evaluated on the basis of compliance with established design guidelines.

II. DEVICE DESCRIPTION AND FUNCTION

The "Mr. Mizer" consists of a water reservoir fitted with an adjustable aspirator valve on the top. This aspirator functions in a manner similar to a paint spray gun. A small plastic tube (1/8" O.D.) connects the "Mr. Mizer" to the engine intake manifold. The water and air mixture is drawn through this tube into the engine by engine vacuum. The flow rate is limited by an 0.0178 inch orifice molded into one end of the tubing. The air/water ratio is controlled by an adjustment screw on the air bleed which is similar in appearance and function to a carburetor idle screw.

III. BENEFICIAL CLAIMS

The applicant claims that the "Mr. Mizer" will:

- A. "Increase the number of miles you will get out of each gallon".
- B. "Eliminate pinging and dieseling".

C. "Increase horsepower, double spark plug life and reduce carbon deposits".

D. "Allow you to use regular or unleaded gas instead of premium".

The staff make no evaluation of the merit of these claims.

IV. DEVICE EVALUATION

No emissions testing was conducted upon the Mr. Mizer by either the ARB or the applicant. The device, as originally submitted, was found by the ARB staff to have the potential of allowing excessive amounts of air/water mixture to flow into the engine. The applicant agreed to experiment with a restrictor orifice for California models. The following day the applicant reported that installing the 0.0178" orifice had improved the adjustability of the device, and that it would be incorporated in all Mr. Mizer and Mr. Gas Mizer devices sold nationally. The addition of an orifice of less than .022 inches diameter brings the Mr. Mizer within the limits of our design criteria guideline.

V. CONCLUSIONS

The staff finds no evidence to indicate that the "Mr. Mizer" or "Mr. Gas Mizer" water injection system will have a significant adverse effect upon emissions from a motor vehicle.

Because of the lack of any significant adverse emissions effect the staff recommends that Executive Order No. D-118 exempting the Mr. Mizer or Mr. Gas Mizer from the prohibitions of VC 27156 be granted.