

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER D-83  
Relating to Exemptions under Section 27156  
of the Vehicle Code

IDEAL INCORPORATED  
"MILEAGE MASTER" DEVICE

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 "Mileage Master" device manufactured by Ideal Incorporated, 14802 Venture Drive, Dallas, Texas 75234, 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 installation on naturally aspirated 1978 and older model-year gasoline powered vehicles except for the following:

- a) vehicles having fuel injection
- b) vehicles with engine displacements less than 140 cubic inches

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

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 "MILEAGE MASTER" 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.

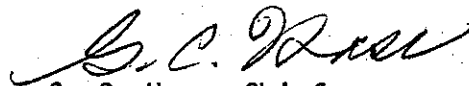
Section 17500 of the Business and Professions Code makes untrue or misleading advertising unlawful, and Section 17534 makes violation punishable as a misdemeanor.

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 15 day of August, 1978.



G. C. Hass, Chief  
Vehicle Emissions Control Division

State of California  
AIR RESOURCES BOARD

August 10, 1978

Staff Report

Evaluation of the Ideal Incorporated "Mileage Master" Device in Accordance with Section 2222, Title 13 of the California Administrative Code

I. Introduction

Ideal Incorporated, of 14802 Venture Drive, Dallas, Texas 75234 has submitted an application requesting an exemption from the prohibitions of Section 27156 of the Vehicle Code for its "Mileage Master" air bleed device for installation on 1978 and older model year vehicles with naturally aspirated gasoline engines. Vehicles with engine displacements less than 140 cubic inches or fuel injection are excluded from the exemption.

Ideal Incorporated represents the "Mileage Master" device as being identical to the "Jet Blast" device formerly marketed by BC & L Industries, Inc. The "Jet Blast" is exempt for 1974 and older model year vehicles under CARB E.O. D-28-1.

II. System Description and Function

The "Mileage Master" is an air bleed designed to meter small amounts of air into an intake manifold under conditions of low manifold vacuum. The device consists of a spring loaded check valve in an aluminum housing. The housing has a filter covered air inlet and two nipples.

For most applications, the device is installed by cutting the PCV line and inserting the nipples. High manifold vacuum is used to overcome the spring force and close the normally open valve. The valve is allowed to open when intake manifold vacuum drops to less than 6 inches of mercury.

### III. System Evaluation

#### A. Applicants' Data

Ideal Incorporated has submitted the results of back-to-back CVS-75 testing performed by W. R. Grace & Co. on a 1978 Lincoln Continental Mark V with a 400 CID engine. The results show that the device did not increase the emissions level over the baseline test.

#### B. CARB Evaluation

A flow test performed by the CARB on the "Jet Blast" in 1974 determined that the device operates in the range of 0 to 6 inches of mercury with a maximum air flow of 4.2 CFM. This air flow rate was considered acceptable for engines with a displacement exceeding 140 CID.

### IV. Conclusion and Recommendation

It is the opinion of the staff that the "Mileage Master" is essentially identical to the previously approved "Jet Blast". Therefore, based on the current emissions test and previous air flow testing the staff recommends that Ideal Incorporated be granted an exemption from the prohibitions of Vehicle Code Section 27156 for the "Mileage Master" air bleed device subject to the exclusions presented in the introduction.