

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER D-96-1
Relating to Exemptions under Section 27156
of the Vehicle Code

HALEM INDUSTRIES
PASS 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 "Pass Master" device manufactured by Halem Industries, 414 High Point Drive, Cocoa, FL 32922, 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 model year vehicles, except for the following:

1. Diesel-powered vehicles
2. Fuel-injected 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 PASS MASTER DEVICE.

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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 18th day of January, 1982.



K. D. Drachand, Chief
Mobile Source Control Division

State of California
AIR RESOURCES BOARD

Staff Report

December 11, 1981

Evaluation of Halem Industries, Inc.'s,
"Pass Master" Device from the Prohibitions of
Vehicle Code Section 27156 in Accordance With
Section 2222, Title 13 of the California
Administrative Code

I. INTRODUCTION

Halem Industries, 414 High Point Drive, Cocoa, FL 32922, has requested their present exemption, Executive Order D-96, be updated to include all 1981 and older model year vehicles for the "Pass Master" device, except for the following:

1. Diesel-powered vehicles
2. Fuel-injected vehicles

II. SYSTEM DESCRIPTION AND FUNCTION

The Pass Master device is a vacuum switch which is to be connected to the vehicle's intake manifold by a vacuum tube and wired in series with the vehicle's air conditioning compressor clutch. It is designed to temporarily cut out the electrical current thus disengaging the compressor clutch during periods of low engine vacuum; i.e., during heavy accelerations or climbing a hill. The purpose of this is to lessen the load on the engine allowing the vehicle to accelerate at a greater rate. When the driving conditions revert to normal, the Pass Master device allows the compressor clutch to be re-engaged.

III. SYSTEM EVALUATION

The applicant previously submitted exhaust emissions and fuel economy data on three different vehicles tested by two independent laboratories. The results are summarized in the ARB's November 30, 1979, Staff Report. The data shows no significant emission increases when the device operates as designed. Since the vehicle's air conditioning system connection remains unchanged, the staff, therefore, did not recommend additional testing be performed for the company's current exemption request.

IV. DISCUSSION

The device is designed to automatically disengage the vehicle's air conditioning unit during low vacuum engine operation. Although the vehicle operator can manually perform the same task there is no emission increase due to the use of the device and no mechanical malfunctions would occur to vehicles if the device did not function as designed.

V. RECOMMENDATION

Based on the above, the staff, therefore, recommends that the Pass Master device be exempted from the prohibition in Vehicle Code Section 27156 for 1981 and older vehicles and that Executive Order D-96-1 be adopted by the Board.