

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER D-79-2  
Relating to Exemptions under Section 27156  
of the Vehicle Code

TECHIMPORT LIMITED  
"FILTER KING, MODEL NO. 4"  
"FILTER KING, MODEL NO. 5"

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 Filter King Unit, Model No. 4 and Filter King Unit, Model No. 5 manufactured by Alberto Malpassi, Italy and marketed by Techimport Limited, 296 Avenue Road, Toronto, Canada M4V 2H1, 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 installation on 1980 and older gasoline-powered, vehicles with conventional carburetor systems.

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 "FILTER KING" MODELS.

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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.

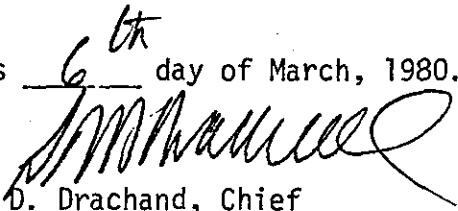
Section 17500 of the Business and Professions Code makes untrue or misleading advertising unlawful, and Section 17534 makes violation punishable as a misdemeanor.

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 6<sup>th</sup> day of March, 1980.

  
K. D. Drachand, Chief  
Mobile Source Control Division

State of California  
AIR RESOURCES BOARD

February 25, 1980

Evaluation of the Techimport Limited  
"Filter King Model No. 4", and "Filter King Model No. 5"  
in Accordance with Section 2222, Title 13  
of the California Administrative Code

I. Introduction

Techimport Limited (formerly F. K. Products), 296 Avenue Road, Toronto, Canada M4V 2H1, has applied for an extension of Executive Order D-79-1 for the "Filter King" device to include 1980 model vehicles. The Filter King exemption applies to gasoline-powered vehicles having conventional carburetion systems. The device itself is unchanged in function or design.

II. System Description

The Filter King device is an adjustable fuel pressure regulator designed to be fitted into the fuel line between the fuel pump and the carburetor. Both the Model No. 4 and Model No. 5 have a minimum pressure preset at the factory to ensure an adequate fuel supply under heavy fuel demand.

The manufacturer believes that the Filter King controls high float bowl fuel levels caused by fuel pump pressure pulses, excessive fuel pump pressure, and fuel introduced during maneuvering when float levels are erratic. The device also incorporates a fuel filter.

### III. Testing

The applicant supplied test data from American Motors for the original application showing that no adverse effects on emissions occur at low outlet pressures of 1.2 and 1.7 psig.

Tests conducted at the Air Resources Board Laboratory indicated that fuel volume to a test engine carburetor was unaffected by fuel pressure as low as 1.1 psig, and that emissions are unlikely to be affected.

The reader is referred to the Air Resources Board staff report dated February 24, 1978, for a more detailed description of the device and test results.

### IV. Discussion

The staff is of the opinion, based on previously conducted tests, that the Filter King device will not affect emissions from a motor vehicle, even at the lowest pressure attainable. This opinion extends to new vehicle systems including three-way catalysts with feedback controls even though they were not specifically tested.

The staff reasons that when fuel pressure is modified and delivery rate is not appreciably reduced, the float level will not change since float bowls are generally vented (referenced to the air cleaner housing). An air/fuel ratio feedback control system

draws fuel from a bowl in the same way as a conventional carburetor, and should not be affected if the float level does not drop.

V. Recommendation

The staff recommends that Techimport be granted an exemption for the Filter King Model No. 4 and Model No. 5 fuel pressure regulators for 1980 and older model carburetted vehicles.