

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER D-195-2  
Relating to Exemptions Under Section 27156  
of the Vehicle Code

PAXTON PRODUCTS, INC.  
SUPERCHARGER KIT MODEL NO. SN-89, PART NO. 10018

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 add-on supercharger kit model number SN-89, part number 10018, manufactured by Paxton Products, Inc., of 929 Olympic Blvd., Santa Monica, California 90404, has been found not to reduce the effectiveness of the application vehicle pollution control system and, therefore, is exempt from the prohibitions of Section 27156 of the Vehicle Code for 1986-1990 model-year Ford Mustang vehicles powered by a 302 CID (5.0L) engine.

This Executive Order is valid provided that installation instructions for this supercharger kit will not recommend tuning the vehicle to specifications different from those submitted by Paxton Products, Inc.

Changes made to the design or operating conditions of the supercharger kit, as exempt by the Air Resources Board, which adversely affect the performance of a vehicle's pollution control system shall invalidate this Executive Order.

Marketing of this supercharger kit using any identification other than that shown in this Executive Order or marketing of this supercharger kit 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 the supercharger kit shall not be construed as exemption to sell, offer for sale, or advertise any component of the kit as an individual device.

This Executive Order does not constitute any opinion as to the effect that the use of this supercharger kit 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 PAXTON PRODUCTS, INC. SUPERCHARGER KIT MODEL NO. SN-89, PART NO. 10018.

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.

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 30<sup>th</sup> day of October, 1989.

  
K. D. Drachand, Chief  
Mobile Source Division

State of California  
AIR RESOURCES BOARD

EVALUATION OF PAXTON PRODUCTS, INC.'S ADD-ON SUPERCHARGER KIT  
MODEL NO. SN-89 FOR EXEMPTION FROM THE PROHIBITIONS OF VEHICLE CODE  
SECTION 27156 IN ACCORDANCE WITH SECTION 2222, TITLE 13, OF THE  
CALIFORNIA CODE OF REGULATIONS

October, 1989

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by

Mobile Source Division  
State of California  
Air Resources Board  
9528 Telstar Avenue  
El Monte, CA 91731

(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

Paxton Products, Inc. (Paxton) of 929 Olympic Blvd., Santa Monica, California 90404, has applied for an exemption from the prohibitions of Vehicle Code Section 27156 for their add-on supercharger kit model number SN-89, part number 10018. The supercharger kit is intended for installation on 1986-1990 model-year Ford Mustangs powered by a 302 CID (5.0L) engine.

Paxton has submitted data from comparative emission tests conducted on a 1989 Ford Mustang powered by a 302 CID engine at Automated Custom Systems, Inc. Confirmatory tests were conducted on the same vehicle at the Air Resources Board's (ARB's) Haagen-Smit Laboratory.

Based on the results from the comparative emission tests performed by Automated Custom Systems, Inc. and by the ARB, the staff concludes that Paxton's add-on supercharger kit will not adversely affect exhaust emissions from vehicles for which exemption is requested.

The staff recommends that Paxton be granted an exemption for their add-on supercharger kit model number SN-89, part number 10018, for installation on 1986-1990 model-year Ford Mustangs powered by a 302 CID engine, and that Executive Order D-195-2 be issued.

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EVALUATION OF PAXTON PRODUCTS, INC'S ADD-ON SUPERCHARGER KIT MODEL NO. SN-89, PART NO. 10018 FOR EXEMPTION FROM THE PROHIBITIONS IN VEHICLE CODE SECTION 27156 IN ACCORDANCE WITH SECTIONS 2222, TITLE 13, OF THE CALIFORNIA CODE OF REGULATIONS

I. INTRODUCTION

Paxton Products, Inc. (Paxton), of 929 Olympic Blvd., Santa Monica, California 90404, has applied for an exemption from the prohibitions of Vehicle Code Section 27156 for their add-on supercharger kit model number SN-89, part number 10018. The supercharger kit is intended for installation on 1986-1990 Ford Mustangs powered by a 302 CID engine.

Paxton has submitted data from comparative stock baseline versus supercharged emission tests conducted on a 1989 Ford Mustang powered by a 302 CID engine at Automated Custom Systems, Inc. of Orange, California. Confirmatory tests were conducted on the same vehicle at the ARB's Haagen-Smit Laboratory in El Monte, California.

II. CONCLUSION

Based on the results from the comparative emission tests performed by Automated Custom Systems, Inc. and from the confirmatory tests performed by the ARB on the 1989 Ford Mustang, the staff concludes that Paxton's add-on supercharger kit will not adversely affect exhaust emissions from vehicles for which the exemption is requested.

III. RECOMMENDATIONS

The staff recommends that Paxton be granted an exemption for their add-on supercharger kit model number SN-89, part number 10018 for installation on 1986-1990 Ford Mustangs powered by a 302 CID engine. The staff also recommends that Executive Order D-195-2 be issued.

## VI. DISCUSSION

The results of the exhaust emission tests submitted by Paxton show a decrease in emissions of Carbon Monoxide (CO) and Nitrogen Oxides (NOx) and an increase of Hydrocarbon (HC), due to the installation of the supercharger kit. The confirmatory testing conducted by the ARB yielded less increase in HC and more decrease in CO and NOx. However, the increase in HC is within the 10% maximum which is allowed by Vehicle Code Section 27156 exemption criteria. The tests have shown the Paxton supercharger model number SN-89, part number 10018, not to reduce the effectiveness of the emissions control systems of the vehicle.

Paxton has fulfilled the requirements for the exemption and, therefore, Executive Order D-195-2 should be issued.