

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER D-375
Relating to Exemptions Under Section 27156
of the Vehicle Code

AUTOTECH SPORT TUNING CORPORATION
AUTOTECH POWER MODULE

Pursuant to the authority vested in the Air Resources Board (ARB) 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 Autotech Power Module, a wide-open-throttle fuel enrich device, manufactured by Autotech Sport Tuning Corporation of 32240-E Paseo Adelanto, San Juan Capistrano, California 92675, has been found not to reduce the effectiveness of the applicable vehicle pollution control system and, therefore, is exempt from the prohibitions of Section 27156 of the Vehicle Code on the following Volkswagen models with engine codes HT, GX, RD, PL, JH, UM, and JN:

<u>Part No.</u>	<u>Application</u>
10.215.200K	1985-87 Golf
	1985-89 GTI
	1985-87 Jetta
	1985-89 Jetta GLI
	1986-88 Scirocco 16V
	1989 Cabriolet
	1987-89 Fox

This Executive Order is valid provided that installation instructions for Autotech Sport Tuning Corporation's Autotech Power Module will not recommend tuning the vehicle to specifications different from those of the vehicle manufacturer.

Changes made to the design or operating conditions of the Autotech Power Module, as exempt by the ARB, which adversely affect the performance of a vehicle's pollution control system shall invalidate this Executive Order.

Marketing of this Autotech Power Module using any identification other than that shown in this Executive Order or marketing of the Autotech Power Module for an application other than those listed in this Executive Order shall be prohibited unless prior approval is obtained from the ARB.

This Executive Order does not constitute any opinion as to the effect that the use of this Autotech Power Module may have on any warranty either expressed or implied by the vehicle manufacturer.

This Executive Order is granted based on an engineering evaluation conducted on the Autotech Power Module. The Power Module is designed to operate during wide-open-throttle driving conditions only. However, if the ARB finds that reasonable grounds exist to believe that use of the Autotech Power Module may adversely affect emissions of applicable motor vehicles when operating under conditions outside the parameters of the Cold Start CVS-75 Federal Test Procedure. Accordingly, the ARB reserves the right to conduct additional emission tests, in the future, as such tests are developed, that will more adequately measure emissions from all cycle phases. If such test results demonstrate that the Autotech power Module adversely affect emissions during off-cycle conditions (defined as those conditions which are beyond the parameters of the Cold-Start CVS-75 Federal Test Procedure), this Executive Order shall be effectively rescinded as of the date the test results are validated. Further, if such test results or other evidence provides the ARB with reason to suspect that the Autotech Power Module will affect the durability of the emission control system, Autotech Sport Tuning Corporation shall be required to submit durability data to show that the durability of the vehicle emission control system is not, in fact, affected and/or that the add-on or modified part demonstrates adequate durability.

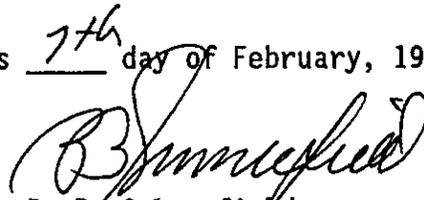
In addition to the foregoing, the ARB reserves the right in the future to review this Executive Order and the exemption provided herein to assure that the exempted add-on or modified part continues to meet the standards and procedures of Title 13, California Code of Regulations, Section 2222, et seq.

THIS EXECUTIVE ORDER DOES NOT CONSTITUTE A CERTIFICATION, ACCREDITATION, APPROVAL, OR ANY OTHER TYPE OF ENDORSEMENT BY THE AIR RESOURCES BOARD OF CLAIMS OF THE APPLICANT CONCERNING ANTI-POLLUTION BENEFITS OR ANY ALLEGED BENEFITS OF AUTOTECH POWER MODULE.

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.

Violation of any of the above conditions shall be grounds for revocation of this order. The order may be revoked only after ten day written notice of intention to revoke the order, in which period the holder of the order may request in writing a hearing to contest the proposed revocation. If a hearing is requested, it shall be held within ten days of receipt of the request and the order may not be revoked until a determination after hearing that grounds for revocation exist.

Executed at El Monte, California, this 7th day of February, 1995.


R. B. Summerfield
Assistant Division Chief
Mobile Source Division

State of California
AIR RESOURCES BOARD

EVALUATION OF AUTOTECH SPORT TUNING CORPORATION
AUTOTECH POWER MODULE FOR EXEMPTION FROM THE PROHIBITIONS OF
VEHICLE CODE SECTION 27156 IN ACCORDANCE WITH SECTION 2222, TITLE 13, OF THE
CALIFORNIA CODE OF REGULATIONS

February 1995

State of California
AIR RESOURCES BOARD

EVALUATION OF AUTOTECH SPORT TUNING CORPORATION
AUTOTECH POWER MODULE FOR EXEMPTION FROM THE PROHIBITIONS OF
VEHICLE CODE SECTION 27156 IN ACCORDANCE WITH SECTION 2222, TITLE 13, OF THE
CALIFORNIA CODE OF REGULATIONS

by

Mobile Source Division
9528 Telstar Avenue
El Monte, CA 91731-2990

(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

Autotech Sport Tuning Corporation of 32240-E Paseo Adelanto, San Juan Capistrano, California 92675, has applied for an exemption from the prohibitions in Section 27156 of the California Vehicle Code (VC) for their Autotech Power Module. The Autotech Power Module is designed for installation on applicable 1985 to 1989 Volkswagens. Autotech Sport Tuning Corporation submitted a completed application and other required information.

Based on an engineering evaluation of the device, the staff concludes that Autotech Sport Tuning Corporation's Autotech Power Module will not adversely affect the exhaust emissions on those applicable vehicles for which an exemption is requested.

The staff recommends that Autotech Sport Tuning Corporation be granted an exemption as requested and that Executive Order D-375 be issued.

TABLE OF CONTENTS

	Page Number
SUMMARY	i
CONTENTS	ii
I. INTRODUCTION	1
II. CONCLUSION	1
III. RECOMMENDATION	1
IV. AUTOTECH POWER MODULE DESCRIPTION	1
V. DISCUSSION OF AUTOTECH POWER MODULE	2

EVALUATION OF AUTOTECH SPORT TUNING CORPORATION
AUTOTECH POWER MODULE FOR EXEMPTION FROM THE PROHIBITIONS OF
VEHICLE CODE SECTION 27156 IN ACCORDANCE WITH SECTION 2222, TITLE 13, OF THE
CALIFORNIA CODE OF REGULATIONS

I. INTRODUCTION

Autotech Sport Tuning Corporation of 32240-E Paseo Adelanto, San Juan Capistrano, California 92675, has applied for an exemption from the prohibitions in Section 27156 of the California Vehicle Code (VC) for their Autotech Power Module. The Autotech Power Module is designed for installation on applicable 1985 to 1989 Volkswagens. Autotech Sport Tuning Corporation submitted a completed application and other required information.

II. CONCLUSIONS

Based on an engineering evaluation of the device, the staff concludes that Autotech Sport Tuning Corporation's Autotech Power Module will not adversely affect the exhaust emissions on those applicable vehicles for which an exemption is requested.

III. RECOMMENDATION

The staff recommends that Autotech Sport Tuning Corporation be granted an exemption for their Autotech Power Module for installation on applicable 1985 to 1989 Volkswagens. The staff also recommends that Executive Order D-375 be issued.

IV. AUTOTECH POWER MODULE DESCRIPTION

Autotech Sport Tuning Corporation's Autotech Power Module, part no. 10.215.200K has been specifically designed for installation on the following Volkswagen models with engine codes HT, GX, RD, PL, JH, UM, and JN: 1985-87 Golf, 1985-89 GTI, 1985-87 Jetta, 1985-89 Jetta GLI, 1986-88 Scirocco 16V, 1989 Cabriolet, and 1987-89 Fox. The device operates in conjunction with the original equipment manufacturer's (OEM) computer controlled fuel injection system and emission control system already certified with the stock engine.

The purpose of using the Autotech Power Module is to provide the engine with additional fuel during wide-open-throttle/high acceleration conditions. The Power Module is designed to act like an electronic switch. During normal driving conditions fuel delivery is not altered. Conditions which involve hard accelerations (wide-open-throttle) and RPMs at or above 3000, the Power Module will induce additional electrical current to the vehicle's fuel actuator. The actuator is a fuel metering device which is electronically controlled by the vehicle's computer. At wide-open-throttle the vehicle goes into open loop with the fuel actuator at its peak current.

V. DISCUSSION OF AUTOTECH POWER MODULE

Autotech Sport Tuning Corporation, has requested that the Autotech Power Module be exempted for applicable 1985 to 1989 Volkswagens. An engineering evaluation was conducted on the Autotech Power Module which involved demonstrating that the device is only active during wide-open-throttle driving conditions. Engineers from Autotech demonstrated to staff how the Power Module is installed and its method of operation. The Power Module feeds off the OEM's wide-open-throttle switch and the ignition coil, allowing it to detect when the vehicle is at wide-open-throttle and at or above 3000 RPMs. A rotary switch is installed inside the Power module to allow the consumer to adjust the module to their application.

The Autotech Power Module is designed to operate outside the CVS-75 Federal Test Procedure, wide-open-throttle and above 3000 RPMs. Requiring Autotech Sport Tuning Corporation to conduct CVS-75 emissions testing in support of their product's exemption application would have demonstrated no change in tailpipe emissions if baseline to modified emissions testing was conducted.

Autotech Sport Tuning Corporation has submitted all the required information and has fulfilled the requirements for an exemption.