

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER D-213-20
Relating to Exemptions Under Section 27156
Of the Vehicle Code

Vortech Engineering Inc.
Supercharger System

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 Section 39515 and Section 39516 of the Health and Safety Code and Executive Order G-02-003;

IT IS ORDERED AND RESOLVED; That the installation of the Supercharger System manufactured and marketed by Vortech Engineering Inc., 1650 Pacific Avenue, Channel Islands, CA 93033, 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 for those vehicles listed in Exhibit A of this Executive Order except for those vehicles certified to the Ultra Low Emission Vehicle (ULEV) standards as noted in the exhibit.

The Supercharger System includes a supercharger, brackets for mounting, and ducting to route air into the intake manifold. The system also includes, as applicable, an auxiliary fuel pump, replacement fuel injectors, a fuel management unit, reprogramming of the vehicle computer, a manifold air pressure sensor bleed assembly, and an intercooler assembly. The supercharger and crankshaft pulley diameters are listed in Exhibit A of this Executive Order. The supercharger produces a maximum of 10.0 psi of boost pressure at maximum engine speed.

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

This Executive Order shall not apply to any Vortech Engineering Inc. Supercharger System advertised, offered for sale, sold with, or installed on a motor vehicle prior to or concurrent with the transfer to an ultimate purchaser.

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

Marketing of the Supercharger System using any identification other than that shown in this Executive Order or marketing of the Supercharger System 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 system 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 the use of the Vortech Engineering Inc. Supercharger System may have on any warranty either expressed or implied by the vehicle manufacturer.

This Executive Order is granted based on previously submitted emission test data which showed that the use of Vortech's Supercharger System does not cause an adverse effect on the vehicles' emissions nor affect the ability of the vehicles' OBDII system to monitor various emissions related functions (Executive Order Numbers D-195-18 and D-213-19).

If test results or other evidence provides the ARB with reason to suspect that the Supercharger System will affect the durability of the emission control system, Vortech Engineering Inc. shall be required to submit durability data to show that the durability of the vehicle emissions 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 ANY CLAIMS OF THE APPLICANT CONCERNING ANTI-POLLUTION BENEFITS OR ANY ALLEGED BENEFITS OF VORTECH ENGINEERING INC.'S SUPERCHARGER SYSTEM.

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 of 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 a 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 is made, after the hearing, that grounds for revocation exist.

Executed at El Monte, California, this 18th day of December 2002.



Allen Lyons, Chief
Mobile Source Operations Division

Exhibit A

Chrysler Corp.

Part Number	Model years	Vehicle type/model	Engine size (liters)	Crank pulley dia. (in.)	S/C pulley dia. (in.)
4CD218-040	1996-2002	Dodge Ram/T-300	5.2	7.00 (Stock)	3.125
4CD218-050	1996-2003	Dodge Ram/T-300	5.9	7.00 (Stock)	3.125
4CE218-010*	1997-2003	Dodge Dakota/Durango	5.9	7.00 (Stock)	3.125
4CE218-020	1997-2002	Dodge Dakota/Durango	5.2	7.00 (Stock)	3.125
4CJ218-020	1996-2002	Jeep Grand Cherokee	5.2	7.00 (Stock)	3.125
4CJ218-030	1996-2003	Jeep Grand Cherokee	5.9	7.00 (Stock)	3.125

Ford Motor Company

Part Number	Model years	Vehicle type/model	Engine size (liters)	Crank pulley dia. (in.)	S/C pulley dia. (in.)
4FL218-050	2000-2003	Mustang 2V	4.6	6.60 (Stock)	3.6
4FL218-060	2000-2003	Mustang 2V w/charge cooler	4.6	6.60 (Stock)	3.33
4FL218-070	2001	Mustang 2V Bullitt	4.6	6.60 (Stock)	3.6
4FL218-080	2001	Mustang 2V Bullitt w/charge cooler	4.6	6.60 (Stock)	3.33
4FR218-030	2001-2003	Mustang/Mach 1 4V	4.6	6.60 (Stock)	3.47
4FR218-040	2001-2003	Mustang/Mach 1 4V w/charge cooler	4.6	6.60 (Stock)	3.47
4FM218-010	1997-1998	F-series truck/Expedition	4.6	6.7	3.6
4FM218-020	1997-1998	F-series truck/Expedition/Navigator 2V	5.4	6.7	3.33
4FM218-030	1999-2003	F-series truck/Expedition/Navigator 2V	5.4	6.7	3.33
4FM218-040	1999-2003	F-series truck/Expedition	4.6	6.7	3.6
4FM218-050	1999-2003	F-series truck/Exped/Nav 2V w/charge cooler	5.4	6.7	3.12
4FT218-010	1999-2003	Super duty truck/SUV 2V	5.4	6.7	3.33
4FT218-020	1999-2003	Super duty truck/SUV	6.8	6.7	3.47
4FT218-030	1999-2003	Super duty truck/SUV w/charge cooler	6.8	6.7	3.12
4FS218-010	1999-2002	Mercury Cougar/Ford Contour	2.5	6.3	3.33
4FL218-100	1998-2000	Crown Victoria / Grand Marquis	4.6	6.60 (Stock)	3.6
4FL218-110	2001-2003	Crown Victoria / Grand Marquis / Marauder*	4.6	6.60 (Stock)	3.6
4FJ218-010	2002-2003	Ford Focus SVT*	2	5.19 (Stock)	3.125
4FJ218-020	2002-2003	Ford Focus SVT w/charge cooler*	2	5.19 (Stock)	3.125
4FJ218-030	2000-2003	Ford Focus*	2	5.19 (Stock)	3.125
4FJ218-040	2000-2003	Ford Focus w/charge cooler*	2	5.19 (Stock)	3.125

*Excluding the following 2001-2003 model year vehicles, which are certified to the ULEV emissions standards:

Crown Victoria / Grand Marquis / Marauder

3FMXV04.6VG5, 3FMXV04.6VF5, 3FMXV04.6VH5

Ford Focus 1FMXV02.0VJ2, 1FMXV02.0VJ3, 1FMXV02.0VJ4, 1FMXV02.0VJ5

2FMXV02.0VJ3, 2FMXV02.0VJ4, 3FMXV02.0VH1

The emission standard and engine family name can be found on the Vehicle Emission Control Information label.