

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER D-587

Relating to Exemptions Under Section 27156
of the California Vehicle Code

Powerworks
Focus Supercharger Kit

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 Focus Supercharger Kit, manufactured and marketed by Powerworks, 41000 Vincent Court, Novi, Michigan 48375, has been found not to reduce the effectiveness of the applicable vehicle pollution control systems and, therefore, is exempt from the prohibitions of Section 27156 of the Vehicle Code for the 2000-2004 Ford 2.0 liter Focus vehicles.

The Focus Supercharger Kit includes the following main parts: Eaton M-62 supercharger with a maximum boost of 12 pounds per square inch, 2.8 inch diameter supercharger pulley, intake manifold with intercooler, 65 mm throttle body, supercharger by-pass valve, larger capacity fuel injectors, air intake tubing, open element air cleaner, crankcase hose, vapor line kit, vacuum harness kit, and a reprogrammed control module. The stock mass airflow sensor and radiator thermostat are retained. The throttle body and mass airflow sensor are relocated to the inlet housing of the supercharger.

This Executive Order is valid provided that the installation instructions for the Focus Supercharger Kit 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 Focus Supercharger Kit, as exempt by the Air Resources Board, which adversely affect the performance of the vehicle's pollution control system shall invalidate this Executive Order.

This Executive Order shall not apply to any Focus Supercharger Kit advertised, offered for sale, sold with, or installed on a new motor vehicle prior to or concurrent with transfer to an ultimate purchaser.

Marketing of the Focus Supercharger Kit using any identification other than that shown in this Executive Order or marketing of the Focus 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.

This Executive Order does not constitute any opinion as to the effect the use of the Focus Supercharger Kit may have on any warranty either expressed or implied by the vehicle manufacturer.

This Executive Order is granted based on emission test results in the modified configuration using the Cold-Start CVS-75 Federal Test Procedure, Supplemental Federal Test Procedure (US06/SC03), and an examination of the On-Board Diagnostic II (OBD II) system. A 2003 Ford Focus with a 2.0 liter engine (3FMXV02.0VH1, ULEV, PC) was used for the evaluation of the Focus Supercharger Kit. Results from emissions testing conducted at Roush Industries Vehicle Emissions Laboratory, of Livonia, Michigan, are shown below (in grams per mile with deterioration factors applied):

		CVS-75				US06/SC03	
		NMOG	CO	NOx	HCHO	NMHC+NOx	CO
Standards	50k	0.100	3.4	0.14	0.015	0.14/0.20	8.0/2.7
Device		0.043	0.6	0.04	0.001	0.05/0.02	2.4/0.3

The emission test results in the modified configuration were below the applicable certification standards. Examination of the OBD II system showed the Focus Supercharger Kit does not affect OBD II system operation.

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.

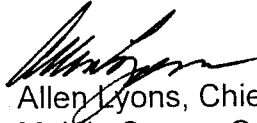
THIS EXECUTIVE ORDER DOES NOT CONSTITUTE A CERTIFICATION, ACCREDITATION, APPROVAL, OR ANY OTHER TYPE OF ENDORSEMENT BY THE AIR RESOURCES BOARD OF ANY CLAIMS OF THE APPLICANT CONCERNING ANTI-POLLUTION BENEFITS OR ANY ALLEGED BENEFITS OF THE FOCUS SUPERCHARGER KIT.

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 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 21st day of June 2005



Allen Lyons, Chief
Mobile Source Operations Division