State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER D-488-22

Relating to Exemptions Under Section 27156
of the Vehicle Code

Magnuson Products Inc.
Magnuson 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 Magnuson Supercharger Kit manufactured and marketed by Magnuson Products Inc. of 1990 Knoll Drive, Ventura, CA 93003 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 California Vehicle Code for the Ford Motor Company F-150 truck applications listed in Exhibit A.

The Magnuson Supercharger Kit includes the following main components: a supercharger blower (two displacement options are offered) and intake manifold plenum, fuel rails, larger fuel injectors, an air intake tube assembly, an air-to-water intercooler, and new fuel and timing map calibrations. The intake air temperature sensor is relocated to supercharger manifold. All other emission-related components are in the stock location relative to the throttle body. All crankshaft pulleys are stock and maximum boost is limited to 8.5 psi.

This Executive Order shall not apply to any Magnuson 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.

This Executive Order is valid provided that the installation instructions for the Magnuson Supercharger Kit 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 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 any 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.

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 exemption is issued based on previously submitted emissions test data on a 2011 model year Ford Mustang GT (Test Group BFMXV05.0VD5) equipped with a similar 5.0 liter engine and Magnuson Supercharger Kit, and certified to the Low Emission Vehicle II Ultra Low Emission Vehicle (LEV II ULEV) and more stringent Supplemental Federal Test Procedure (SFTP) standards. The exhaust emission measurements from this vehicle are as follows:

Federal Test Procedure:

	NMOG	CO	NOX
Standards (g/mi)	0.070	2.1	0.04
Device (g/mi) with df's applied	0.061	0.9	0.02

SFTP (US06 Cycle):

	NMHC+NOX	CO
Standards (g/mi)	0.14	8.0
Device (g/mi)	0.08	1.5

SFTP (SC03 Alternative AC2 Cycle):

	NMHC+NOX	CO
Standards (g/mi)	0.20	2.7
Device (g/mi)	0.04	0.6

The test results show that the Magnuson Supercharger Kit when installed on applicable vehicles will not cause exhaust emissions to exceed the applicable emission standards during the Cold-Start Federal Test Procedure or SFTP cycles. This Executive Order is also based on On-Board Diagnostic II (OBD II) testing conducted on the same modified test vehicle. The Magnuson Supercharger Kit when installed on the test vehicle did not affect the vehicle's ability to perform its OBD II monitoring.

In addition, the Air Resources Board 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 MAGNUSON SUPERCHARGER KIT.

No claims 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 27th day of November 2012.

J. Lourenco
for Annette Hebert, Chief
Mobile Source Operations Division

Exhibit A
(E.O.# D-488-22)

Year	Make	Model	Engine Size (L)	Kit Part Number*	Pulley Size (in)
2011-2013	Ford	F150	5.0	01-19-50-015-BL	3.3
				01-19-50-015-CH	
				01-19-50-015-FB	
				01-23-50-015-BL	3.9
				01-23-50-015-CH	
				01-23-50-015-FB	

* Kits are designed for use with premium unleaded gasoline only; flexible fuels (e.g., E85) are not compatible.