State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER D-598-3

Relating to Exemptions Under Section 27156
of the California Vehicle Code

Badillo Engineering
Ford Racing Power Pack

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 Ford Racing Power Pack, manufactured and marketed by the Badillo Engineering, 372 Winchester Street, South Lyon, Michigan 48178, 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 2005 to 2009 model year Ford Mustangs equipped with either a 4.0L or 4.6L engine.

The Ford Racing Power Pack includes a Ford Bullitt Mustang Cold Air Intake Kit (open element air filter and intake air tubing from the air filter to the throttlebody) and a new ECU calibration. The stock mass air flow sensor element is transferred to the new air intake tubing. The Bullitt Cold Air Kit includes the Ford hydrocarbon adsorber in the intake tubing for all V8 applications.

This Executive Order is valid provided the installation instructions for the Ford Racing Power Pack 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 Ford Racing Power Pack, 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 Ford Racing Power Pack 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 Ford Racing Power Pack using any identification other than that shown in this Executive Order or marketing of the Ford Racing Power Pack 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 Ford Racing Power Pack may have on any warranty either expressed or implied by the vehicle manufacturer.

This Executive Order is granted based on prior submitted emissions test data generated on a 4.6L and 4.0L 2007 model year Ford Mustangs, both certified to the Low Emission Vehicle II Ultra Low Emission Vehicle (LEV II ULEV) emission standards and modified with the Ford Racing Power Pack. Testing consisted of a Cold-Start Federal Test Procedure (FTP) and the Supplemental Federal Test Procedure (SFTP US06) test cycles. Results are in grams per mile with deterioration factors applied to the FTP results. Emission levels of the modified vehicles met the applicable emission standards.

4.6L Mustang	FTP				SFTP US06	
	NMOG	CO	NOx	HCHO	NMHC+NOx	CO
Standards 50k	0.040	1.7	0.05	0.015	0.14	8.0
Device	0.015	1.0	0.02	0.000	0.07	0.8

4.0L Mustang	FTP				SFTP US06	
	NMOG	CO	NOx	HCHO	NMHC+NOx	CO
Standards 50k	0.040	1.7	0.05	0.015	0.14	8.0
Device	0.037	0.7	0.02	0.001	0.02	0.4

The Ford Racing Power Pack uses an ECU calibration that is similar to the 2008 model year Ford Bullitt Mustang; hence, no adverse impact on OBD II system monitoring is expected. A similar effect on vehicle emissions and OBD II monitoring is expected with the installation of the Ford Racing Power Pack on the other vehicles listed in this Executive Order.

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 FORD RACING POWER PACK.

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 21 day of July 2008.

Annette Hebert, Chief
Mobile Source Operations Division