

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER D-598

Relating to Exemptions Under Section 27156  
of the California Vehicle Code

Badillo Engineering  
Ford Performance/Ultimate Normally Aspirated Package

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 Performance/Ultimate Normally Aspirated Package, 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 and 2006 model year Ford Mustangs equipped with a 4.6L engine.

The Ford Performance/Ultimate Normally Aspirated Package includes shorty exhaust headers manufactured out of 16 gage stainless steel, 4:10 gear set, open element air filter, charge motion delete plate (optional), and a ECU programmer with no user adjustments.

This Executive Order is valid provided that the installation instructions for the Ford Performance/Ultimate Normally Aspirated Package 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 Performance/Ultimate Normally Aspirated Package, 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 Performance/Ultimate Normally Aspirated Package 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 Performance/Ultimate Normally Aspirated Package using any identification other than that shown in this Executive Order or marketing of the Ford Performance/Ultimate Normally Aspirated Package 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 Performance/Ultimate Normally Aspirated Package may have on any warranty either expressed or implied by the vehicle manufacturer.

This Executive Order is granted based on submitted emissions test data generated on a 2005 model year Ford Mustang 4.6L (test group 5FMXV04.6VEM), certified to the Low Emission Vehicle II Low Emission Vehicle (LEV II LEV) emission standards with the Ford Performance/Ultimate Normally Aspirated Package with charge motion delete plate installed. Testing consisted of a Cold-Start CVS-75 Federal Test Procedure (FTP) and the Supplemental Federal Test Procedure (SFTP US06) test cycle. Results are in grams per mile with deterioration factors added to CVS-75 FTP results. Emission levels of the modified vehicle met the applicable emission standards.

	CVS-75				US06	
	NMOG	CO	NOx	HCHO	NMHC+NOx	CO
Standards 50k	0.075	3.4	0.05	0.015	0.14	8.0
Device	0.057	2.0	0.03	0.001	0.02	2.0

This Executive Order is also based on an On-Board Diagnostic II (OBD II) test conducted on the same test vehicle. Test data showed that the Ford Performance/Ultimate Normally Aspirated Package when installed on the vehicle did not affect the ability to perform OBD II monitoring.

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 PERFORMANCE/ULTIMATE NORMALLY ASPIRATED PACKAGE.

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 10<sup>th</sup> day of March 2006.



Allen Lyons, Chief  
Mobile Source Operations Division