

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER D-598-19

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-14-012;

IT IS ORDERED AND RESOLVED: That the installation of the Ford Racing Power Pack, manufactured and marketed by Badillo Engineering, 6275 Stewart Lane, Ann Arbor, Michigan 48105, 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 2015 to 2017 model year Ford Mustang equipped with a 5.0L gasoline engine.

The Ford Racing Power Pack consists of the following main components: Open element air filter, Ford GT350 Mustang air intake tubing from throttle body to filter (includes Ford factory installed HCT trap in air intake tubing), ECU upgrade without user adjustments, and all necessary mounting hardware for proper installation. The stock manifold air pressure sensor is retained in its stock location and orientation. **Optional kit parts are:** Ford GT350 electronic throttle body, Ford GT350 intake manifold, and an optional 4.09:1 rear-end ratio upgrade. No other changes are made for proper installation. **Installation of the Ford Racing Power Pack requires the removal of the stock air filter housing and intake air tubing. If the stock air filter housing contains the vehicle's tune-up & emissions control decal, a replacement decal must be placed in a similar location.**

This Executive Order is valid provided that the installation instructions for the Ford Racing Power Pack 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 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.

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 submitted emission test data generated on a 2016 model year 5.0L Ford Mustang certified to the Low Emission Vehicle III Ultra Low Emission Vehicle 125 (LEV III ULEV 125) emission standards and modified with the Ford Racing Power Pack including all optional parts. Test results showed that emission levels, met the applicable emission standards when tested using the Cold-Start CVS-75 Federal Test Procedure (FTP) test cycle and the Supplemental Federal Test Procedure (SFTP US06/SC03 (AC2 test + 20%)) test cycle. Examination of the OBD II system showed the modification did not affect OBD II system operation. Results from emission testing conducted at the Roush Industries' Emissions Laboratory, Livonia, Michigan are listed below with deterioration factors applied.

Useful Life FTP Emission Level (w/ df applied, 2 test avg)	NMOG+NOx 0.073	CO 0.5	HCHO 0.000
Standards	0.125	2.1	0.004
Useful Life SFTP Emission Level (Composite w/ df)	NMOG+NOx 0.03	CO 0.3	
Standards	0.11	4.2	

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 FORD RACING POWER PACK.



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.

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 18th day of July 2016.


Annette Hebert, Chief
 Emissions Compliance, Automotive Regulations and Science Division

