



## EXECUTIVE ORDER D-418-34

### Relating to Exemptions Under Section 27156 of the California Vehicle Code

#### Roush Performance Products

#### Roushcharger Phase 1, Phase 2, Jackhammer, and Phase 1 to Phase 2 Upgrade Kits

Pursuant to the authority vested in the California 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-19-095;

IT IS ORDERED AND RESOLVED: That installation of the Roushcharger Phase 1, Phase 2, Jackhammer, and Phase 1 to Phase 2 Upgrade Kits, manufactured by Roush Performance Products, 39555 Schoolcraft Road Plymouth, Michigan 48170, and marketed by Roush Performance Products and Ford Motor Company, have been found not to reduce the effectiveness of the applicable vehicle pollution control systems and, therefore, are exempt from the prohibitions of Section 27156 of the Vehicle Code for the Ford vehicle applications listed in Exhibit A.

The Roushcharger Phase 1, Phase 2, and Jackhammer Kits for the 2018 to 2020 Ford Mustang 5.0L consists of the following main components: Roots type axial flow supercharger assembly with 80mm diameter pulley and bypass valve, air to water intercooler with auxiliary low temperature radiator, intake manifold, reflashed ECM without user adjustments, 87 mm throttle body, high flow fuel injectors and rails, new air box with stock hydrocarbon paper heat staked in a stock location and orientation, conical air filter element, and MAP sensor. The breather hose may be replaced with an SAE30R9 rated hose. All supplied fuel hoses are either Avon's CADbar 9000 series or a stock factory replacement, and fuel and vapor line connectors are OEM equivalent parts. Boost is limited to a maximum of 12 psi. The stock fuel pump, crankshaft pulley, and radiator thermostat are retained during installation.

The Roushcharger Phase 2 kit for the 2015 to 2017 Ford Mustang 5.0L consists of the following main components: Roots type axial flow supercharger assembly with 80mm diameter pulley and bypass valve, air to water intercooler with auxiliary low temperature radiator, intake manifold, reflashed ECM without user adjustments, dual 60 mm throttle body, high flow fuel injectors and rails, new air box with stock hydrocarbon paper heat staked in a stock location and orientation, conical air filter element, fuel pump voltage booster, and recalibrated stock MAF sensor. The breather hose may be replaced with an SAE30R9 rated hose. All supplied fuel hoses are either Avon's CADbar 9000 series or a stock factory replacement, and fuel and vapor line connectors are OEM equivalent parts. Boost is limited to a maximum of 13 psi. The stock fuel pump, crankshaft pulley, and radiator thermostat are retained during installation.

The Phase 1 to Phase 2 Upgrade Kit is a new ECM calibration that is installed in a vehicle that already has a Phase 1 kit installed to convert it into a Phase 2 kit.

This Executive Order is valid provided that the installation instructions for the Roushcharger Phase 1, Phase 2, Jackhammer, and Phase 1 to Phase 2 Upgrade Kits will not recommend tuning the vehicle to specifications different from those specified by Roush Performance Products.

Changes made to the design or operating conditions of the Roushcharger Phase 1, Phase 2, Jackhammer, and Phase 1 to Phase 2 Upgrade Kits, as exempt by the California 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 Roushcharger Phase 1, Phase 2, Jackhammer, and Phase 1 to Phase 2 Upgrade Kits 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 Roushcharger Phase 1, Phase 2, Jackhammer, and Phase 1 to Phase 2 Upgrade Kits using any identification other than those shown in this Executive Order or marketing of the Roushcharger Phase 1, Phase 2, Jackhammer, and Phase 1 to Phase 2 Upgrade Kits for an application other than those listed in this Executive Order shall be prohibited unless prior approval is obtained from the California Air Resources Board.

This Executive Order does not constitute any opinion as to the effect the use of the Roushcharger Phase 1, Phase 2, Jackhammer, and Phase 1 to Phase 2 Upgrade Kits may have on any warranty either expressed or implied by the vehicle manufacturer.

Exemption of the Roushcharger Phase 1, Phase 2, Jackhammer, and Phase 1 to Phase 2 Upgrade Kits shall not be construed as an exemption to sell, offer for sale, or advertise any component of the assembly as individual devices.

This Executive Order is granted based on information provided by Roush Performance Products, including emissions test data.

The California 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 CALIFORNIA AIR RESOURCES BOARD OF ANY CLAIMS OF THE APPLICANT CONCERNING ANTI-POLLUTION BENEFITS OR ANY ALLEGED BENEFITS OF THE ROUSHCHARGER PHASE 1, PHASE 2, JACKHAMMER, AND PHASE 1 TO PHASE 2 UPGRADE KITS.

No claim of any kind, such as "Approved by the California 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 24<sup>th</sup> day of December 2019.



*for* Allen Lyons, Chief  
Emissions Certification and Compliance Division

# Exhibit A

Model Year	Model	Engine	Kit Description	Part Number	Marketing Company
2018 to 2020	Mustang	5.0L	Phase 1	422090	Roush Performance
2018 to 2019	Mustang	5.0L	Phase 1	M-6066-M8	Ford Motor Company
2018	Roush Jackhammer	5.0L	Phase 1	422150	Roush Performance
2018 to 2020	Mustang	5.0L	Phase 2	422184	Roush Performance
2018 to 2020	Mustang	5.0L	Phase 2	M-6066-M8	Ford Motor Company
2018 to 2020	Mustang	5.0L	Phase 1 to Phase 2 Upgrade Kit	422185	Roush Performance
2015 to 2017	Mustang	5.0L	Phase 2	422001	Roush Performance