CALIFORNIA
AIR RESOURCES BOARD

EXECUTIVE ORDER D-418-39

Relating to Exemptions Under Section 27156
of the California Vehicle Code

Roush Performance Products
Roushcharger Phase 1, Phase 2, 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, and Phase 1 to Phase 2 Upgrade Kits, manufactured and marketed by Roush Performance Products, 39555 Schoolcraft Road Plymouth Township, Michigan 48170, 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 the Ford vehicle applications listed in Exhibit A.

The Roushcharger Phase 1 and Phase 2 Kits for the 2018 to 2020 Ford F-150 5.0L consists of the following main components: Roots type axial flow supercharger assembly with bypass valve, air to water intercooler with accompanying auxiliary low temperature radiator, intake manifold, reflashed ECM without user adjustments, 87 mm throttle body, 2018 Mustang crankshaft pulley, high flow fuel injectors and rails, new air box with stock hydrocarbon paper heat staked in a stock location and orientation, and conical air filter element. 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 supplied with the kit are OEM equivalent parts. The Roushcharger utilizes an 80mm diameter pulley. Boost is limited to a maximum of 12 psi. The stock fuel pump and radiator thermostat are retained during installation. **Installation of the Roushcharger Kit requires the removal of the stock air filter housing and all 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.**

The Roushcharger Phase 1 and Phase 2 Kits for the 2015 to 2017 Ford F-150 5.0L consists of the following main components: Eaton TVS2300 roots type axial flow supercharger assembly, intercooler, air cleaner lid (no hydrocarbon absorber on stock vehicle), conical air filter, intake tubing, intake manifold, high flow fuel injectors, recalibrated stock mass air flow sensor, and a new fuel calibration modified to operate with the supercharger. The Roush Industries Roushcharger Kit utilizes either a 75 or 80mm diameter pulley. Boost is limited to a maximum of 10-11 psi (see Exhibit A). The stock crankshaft pulley and radiator thermostat are retained. **Installation of the Roushcharger Kit requires the removal of the stock air filter housing and all 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.**

The Phase 1 to Phase 2 Upgrade Kit for the 2015 to 2017 Ford F-150 5.0L includes a new smaller 75 mm supercharger pulley and ECM calibration.

This Executive Order is valid provided that the installation instructions for the Roushcharger Phase 1, Phase 2, 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, and Phase 1 to Phase 2 Upgrade Kits, as exempted by the California Air Resources Board, that 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, 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, 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, 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, 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, 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 submitted 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, 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 5TH day of March 2020.

Allen Lyons, Chief
Emissions Certification and Compliance Division

Exhibit A

Model Year	Model	Engine	Part Number	Product Name	Marketing Company	Max Boost
2018 to 2020	Ford F-150	5.0L	422095	ROUSHcharger Phase 1	Roush Performance Products	12.0
2018 to 2020	Ford F-150	5.0L	M-6066-F150SCK	ROUSHcharger Phase 1	Ford Motor Company	12.0
2017	Ford F-150	5.0L	421983	ROUSHcharger Phase 1	Roush Performance Products	10.0
2017	Ford F-150	5.0L	421984	ROUSHcharger Phase 2	Roush Performance Products	11.0
2015 to 2016	Ford F-150	5.0L	421983	ROUSHcharger Phase 1	Roush Performance Products	10.0
2015 to 2016	Ford F-150	5.0L	421984	ROUSHcharger Phase 2	Roush Performance Products	11.0
2015 to 2017	Ford F-150	5.0L	422012	Phase 1 to Phase 2 Upgrade Kit	Roush Performance Products	11.0