



EXECUTIVE ORDER D-550-46

Relating to Exemptions Under Section 27156 of the California Vehicle Code

Advanced Flow Engineering
DFS780 and DFS780 Pro Fuel Systems

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 DFS780 and DFS780 Pro Fuel Systems, manufactured and marketed by Advanced Flow Engineering, 252 Granite Street Corona, California 92879, 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 vehicle applications listed in Exhibit A.

The DFS780 Fuel System is an add-on diesel fuel lift pump with integrated fuel filter and water separator that is designed to be installed on the frame rail of the truck near the fuel tank, in series between the fuel tank and the factory fuel lift pump. The add-on part is designed to work with the stock fuel pump and regulator. The system is sold in two configurations. In one configuration the DFS780 runs anytime the factory fuel lift pump runs. In the second configuration a pressure switch is installed in the intake elbow and turns the pump on anytime the boost pressure exceeds 5 PSI. **The DFS780 has no mechanical or electrical user adjustments. No changes are made to any component of the stock engine for installation, including engine calibration.**

The DFS780 Pro Fuel System is an add-on diesel fuel lift pump with integrated fuel filter that is designed to be installed on the frame rail of the truck near the fuel tank, in series between the fuel tank and the factory fuel lift pump. The add-on part is designed to work with the stock fuel pump and regulator. The system runs anytime the factory fuel lift pump runs. **The DFS780 Pro has no mechanical or electrical user adjustments. No changes are made to any component of the stock engine for installation, including engine calibration.**

This Executive Order is valid provided that the installation instructions for the DFS780 and DFS780 Pro Fuel Systems 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 DFS780 and DFS780 Pro Fuel Systems, as exempted by the California Air Resources Board, that adversely affect the performance of the vehicle's emission control system shall invalidate this Executive Order.

This Executive Order shall not apply to any DFS780 and DFS780 Pro Fuel Systems 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 DFS780 and DFS780 Pro Fuel Systems using any identification other than those shown in this Executive Order or marketing of the DFS780 and DFS780 Pro Fuel Systems 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 DFS780 and DFS780 Pro Fuel Systems may have on any warranty either expressed or implied by the vehicle manufacturer.

Exemption of the DFS780 and DFS780 Pro Fuel Systems 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 Advanced Flow Engineering.

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 DFS780 AND DFS780 PRO FUEL SYSTEMS.

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 on this 10th day of September 2020.



for Allen Lyons, Chief
Emissions Certification and Compliance Division

Exhibit A

DFS780 Fuel System

Part Number	Model Year	Make	Model	Engine
Full-Time Pump Operation				
42-13051	2017-2019	Ford	F-250, F-350, F-450	6.7L
Boost Activated Pump Operation				
42-13052	2017-2019	Ford	F-250, F-350, F-450	6.7L

DFS780 Pro Fuel System

Part Number	Model Year	Make	Model	Engine
42-23011	1999-2003	Ford	F-250, F-350, F-450	7.3L TD
	2000-2003		Excursion	
42-23011	2003-2007	Ford	F-250, F-350	6.0L TD
	2003-2005		Excursion	
42-23021	2008-2010	Ford	F-250, F-350	6.4L TD
42-23031	2011-2016	Ford	F-250, F-350, F-450	6.7L TD
42-23041	2017-2019	Ford	F-250, F-350, F-450	6.7L TD