



EXECUTIVE ORDER D-550-34

Relating to Exemptions Under Section 27156
of the California Vehicle Code

Advanced Flow Engineering
DFS780 Fuel System

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-14-012;

IT IS ORDERED AND RESOLVED: That the installation of the DFS780 Fuel System, manufactured and marketed by Advanced Flow Engineering, 252 Granite St, 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 installation on 1999 to 2016 model year Ford trucks with a Power Stroke diesel engine 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.**

This Executive Order is valid provided that the installation instructions for the DFS780 Fuel System 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 Fuel System 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.

Marketing of the DFS780 Fuel System using any identification other than that shown in this Executive Order or marketing of the DFS780 Fuel System 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 Fuel System may have on any warranty either expressed or implied by the vehicle manufacturer.

This Executive Order is granted based on an engineering evaluation and information supplied by Advanced Flow Engineering on the DFS780 Fuel System. Fuel pressure is retained by the factory fuel pressure regulator in a stock setting.

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 FUEL SYSTEM.

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 20th day of September 2018.



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

Part #	Model Year	Make	Model*	Engine
Full-Time Pump Operation				
42-13011	1999-2003	Ford	F-250, F-350	7.3L TD
	2000-2003		Excursion	
42-13021	2003-2007	Ford	F-250, F-350	6.0L TD
	2003-2005		Excursion	
42-13031	2008-2010	Ford	F-250, F-350	6.4L TD
42-13041	2011-2016	Ford	F-250, F-350, F-450	6.7L TD
Boost Activated Pump Operation				
42-13012	1999-2003	Ford	F-250, F-350	7.3L TD
	2000-2003		Excursion	
42-13022	2003-2007	Ford	F-250, F-350	6.0L TD
	2003-2005		Excursion	
42-13032	2008-2010	Ford	F-250, F-350	6.4L TD
42-13042	2011-2016	Ford	F-250, F-350, F-450	6.7L TD

*Model may include various trim levels (i.e. 2WD, 4WD etc.)