



EXECUTIVE ORDER D- 550-36

Relating to Exemptions Under Section 27156  
of the California Vehicle Code

Advanced Flow Engineering  
AFE Exhaust Manifolds

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 AFE Exhaust Manifolds, part number 46-40024, 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 2001 to 2016 GM vehicles with a 6.6L diesel engine

The AFE Exhaust Manifolds are a pair of direct fit cast iron exhaust manifolds that bolt to the stock connecting pipes without any modifications. They retain all stock connections and require no modifications for installation.

This Executive Order is valid provided that the installation instructions for the AFE Exhaust Manifolds 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 AFE Exhaust Manifolds, 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 AFE Exhaust Manifolds using any identification other than that shown in this Executive Order or marketing of the AFE Exhaust Manifolds 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 AFE Exhaust Manifolds 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 Chevrolet Silverado 2500, 6.6L diesel (GGMXD06.6355, LEV II ULEV, MDV), modified with the AFE Exhaust Manifolds. Test results showed that emission levels, with the AFE Exhaust Manifolds installed, were below the emission standards when tested using the Cold-Start CVS-75 Federal Test Procedure test cycle. Results from emission testing conducted at the SEMA Garage, Diamond Bar, California, are shown below, in grams per mile, with deterioration factors (df) applied.

	CVS-75				
	NMHC	CO	NOx	HCHO	PM
Standards	0.143	6.4	0.2	0.016	0.06
Device	0.057	0.7	0.2	0.000	0.00

Examination of the OBD II system showed the AFE Exhaust Manifolds does not affect OBD II system operation.

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 AFE EXHAUST MANIFOLDS.

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 8<sup>th</sup> day of October 2018.



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