



## EXECUTIVE ORDER D-550-39

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

#### Advanced Flow Engineering Bladerunner Exhaust Manifold

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 Bladerunner Exhaust Manifold, 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 Dodge Ram 2500/3500 vehicle applications listed in Exhibit A.

The Bladerunner Exhaust Manifold is a direct fit cast iron exhaust manifold that bolts to the stock connecting pipes without any modifications. It retains all stock connections and requires no modification for installation. The Bladerunner Exhaust Manifold includes all necessary fasteners for installation.

This Executive Order is valid provided that the installation instructions for the Bladerunner Exhaust Manifold 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 Bladerunner Exhaust Manifold, 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 Bladerunner Exhaust Manifold 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 Bladerunner Exhaust Manifold using any identification other than that shown in this Executive Order or marketing of the Bladerunner Exhaust Manifold 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 Bladerunner Exhaust Manifold may have on any warranty either expressed or implied by the vehicle manufacturer.

This Executive Order is granted based on previously submitted emission test data generated on a 2018 model year Ram 2500 6.7L (JCEXD06.78VV, LEV III ULEV 125, MDV), modified with the Bladerunner Exhaust Manifold. Test results showed that emission levels, with the Bladerunner Exhaust Manifold installed, were below the emission standards when tested using 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			
	NMOG+NOx	CO	PM	HCHO
Standards	0.250	6.4	0.06	0.006
Device	0.150	0.1	0.00	0.000

Examination of the OBD II system showed the Bladerunner Exhaust Manifold does not affect OBD II system operation.

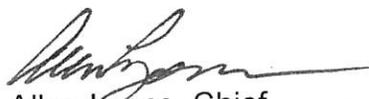
The California Air Resources Board reserves the right in the future to review this Executive Order and the exemption provided herein to assure that the exempted add-on or modified part continues to meet the standards and procedures of Title 13, California Code of Regulations, Section 2222, et seq.

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 BLADERUNNER EXHAUST MANIFOLD.

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 13<sup>TH</sup> day of May 2019.



Allen Lyons, Chief  
Emissions Compliance, Automotive Regulations and Science Division

Exhibit A

<b>Part Number</b>	<b>Model Year</b>	<b>Engine</b>
46-40012	2003 to 2007	5.9L Turbodiesel
46-40031, 46-40032, 46-40034	1998 to 2002	5.9L Turbodiesel
46-40041-1, 46-40044-1	1994 to 1998	5.9L Turbodiesel
46-40054	2007 to 2018	6.7L Turbodiesel

