

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER D-550-7

Relating to Exemptions Under Section 27156  
of the California Vehicle Code

Advanced Flow Engineering  
BladeRunner Intercooler

Pursuant to the authority vested in the 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-02-003;

IT IS ORDERED AND RESOLVED: That the installation of the BladeRunner Intercooler, manufactured and marketed by Advanced Flow Engineering, 252 Granite Street, Corona, CA 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 diesel pick-up trucks listed below.

Part No.	Model-Year	MFR	Model	Engine
46-20011	2003-2007	Dodge	Ram pick-up truck	Diesel 5.9L L6 Cummins
46-20031	2007-2010	Dodge	Ram pick-up truck	Diesel 6.7L L6 Cummins
46-20032	2007-2010	Dodge	Ram pick-up truck	Diesel 6.7L L6 Cummins
46-20071	2008-2010	Ford	F250 pick-up truck	Diesel 6.4L V8 Power Stroke
46-20051	2006-2010	GM	Silverado/Sierra pick-up truck	Diesel 6.6L V8 Duramax

The BladeRunner Intercooler is installed in place of the stock intercooler. Installation consists of the removal of the existing intercooler and replacement with the BladeRunner Intercooler. The design of the part is for increased charge density through cooling of the intake air following compression by the turbocharger for the purpose of increased vehicle performance.

This Executive Order is valid provided that the installation instructions for the BladeRunner Intercooler 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 Intercooler, as exempt by the Air Resources Board, which adversely affect the performance of the vehicle's pollution control system shall invalidate this Executive Order.

Marketing of the BladeRunner Intercooler using any identification other than that shown in this Executive Order or marketing of the BladeRunner Intercooler for an application other than those listed in this Executive Order shall be prohibited unless prior approval is obtained from the Air Resources Board.

This Executive Order does not constitute any opinion as to the effect the use of the BladeRunner Intercooler may have on any warranty either expressed or implied by the vehicle manufacturer.

This Executive Order is granted based on engineering evaluation and comparative Supplemental Federal Test Procedure test and On-Board Diagnostic II (OBD II) system test conducted at an independent laboratory using 2008 model-year 6.4L Ford F250 pick-up truck (test group 8FMXA06.4AGC, LEV1 ULEV).


The ARB 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. Further, if test results or other evidence provides the ARB with reason to suspect that the BladeRunner Intercooler will affect the durability of emission control systems, Advanced Flow Engineering shall be required to submit durability data to show that the durability of vehicle emission control systems are not, in fact, affected and/or that the add-on or modified part demonstrates adequate durability.

THIS EXECUTIVE ORDER DOES NOT CONSTITUTE A CERTIFICATION, ACCREDITATION, APPROVAL, OR ANY OTHER TYPE OF ENDORSEMENT BY THE AIR RESOURCES BOARD OF ANY CLAIMS OF THE APPLICANT CONCERNING ANTI-POLLUTION BENEFITS OR ANY ALLEGED BENEFITS OF THE ADVANCED FLOW ENGINEERING BLADERUNNER INTERCOOLER.

No claim of any kind, such as "Approved by the 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 19<sup>th</sup> day of June 2013.

  
Erik White, Chief  
Mobile Source Operations Division