CALIFORNIA
AIR RESOURCES BOARD

EXECUTIVE ORDER D-550-52

Relating to Exemptions Under Section 27156
of the California Vehicle Code

Advanced Flow Engineering, Inc.
Air Intake 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 Air Intake Systems, manufactured and marketed by Advanced Flow Engineering, Inc., 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 1991 to 2017 Dodge and/or Jeep vehicles listed in the Exhibit A.

The Air Intake Systems replace the stock air filter housing and tubing, and consist of the following main components: open element air filter, air intake tubing from the throttle body to the filter, air filter housing, and all necessary mounting hardware for proper installation. The PCV and crankcase breather hose may be replaced or modified with an SAE30R7 rated hose or an equivalent Original Equipment Manufacturer replacement. No changes are made to any other components of the stock engine, including engine calibration.

This Executive Order is valid provided that the installation instructions for Air Intake 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 Air Intake 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 Air Intake 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 Air Intake Systems using any identification other than those shown in this Executive Order or marketing of the Air Intake 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 Air Intake Systems may have on any warranty, either expressed or implied by the vehicle manufacturer; or compliance with any other state, federal, or local law, such as safety equipment requirements or noise limitations.

This Executive Order is granted based on emission test results in the modified configuration using the Federal Test Procedure, Supplemental Federal Test Procedure (US06), and an On-Board Diagnostics II (OBD II) examination. Results from emissions testing, conducted on a 2015 Jeep Wrangler (FCRXJ03.65P0, LEV II ULEV) modified with the Air Intake Systems, at SEMA Emissions Compliance Center in Diamond Bar, CA are shown below (in grams per mile):

2015 Jeep Wrangler 3.6L FTP

FTP	120,000 mi.	NMOG	CO	NOx	HCHO
	Emission Level (DF applied)	0.037	1.0	0.03	0.001
	STD	0.070	2.1	0.04	0.011
US06		NMHC + NOx	CO		
	Emission Level	0.07	0.6		
	STD	0.14	8.0		

Emission test results in the modified configuration were below the applicable certification standards and an examination of the OBD II system showed the Air Intake Systems do not affect OBD II operation. Therefore, based on the test results shown above and from prior evaluations (D-550-14, D-550-22), the staff concludes that the Air Intake Systems meet the criteria for exemption.

Exemption of the Air Intake Systems shall not be construed as an exemption to sell, offer for sale, or advertise any component of the assembly as individual devices.

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. Further, if test results or other evidence provides CARB with reason to suspect that the Air Intake Systems will affect the durability of emission control systems, Advanced Flow Engineering, Inc., 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 CALIFORNIA AIR RESOURCES BOARD OF ANY CLAIMS OF THE APPLICANT CONCERNING ANTI-POLLUTION BENEFITS OR ANY ALLEGED BENEFITS OF THE AIR INTAKE 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 18th day of October 2022.

Robin U. Lang

Robin U. Lang, Chief
Emissions Certification and Compliance Division

Exhibit A

Part Number(s)	Model Years	Make	Model	Engine Displacement
54-10242, 51-10242, 75-10242	2006-2010	Jeep	Commander	5.7L
54-10242, 51-10242, 75-10242	2005-2010	Jeep	Grand Cherokee	5.7L
54-10252, 51-10252, 75-10252	2006-2007	Jeep	Commander	4.7L
54-10252, 51-10252, 75-10252	2005-2007	Jeep	Grand Cherokee	4.7L
54-10372, 51-10372, 75-10372	2000-2004	Dodge	Dakota	4.7L
54-10372, 51-10372, 75-10372	2000-2003	Dodge	Durango	4.7L
54-10382, 51-10382, 75-10382	2003-2006	Dodge	Ram 1500	5.7L
54-10382, 51-10382, 75-10382	2003-2006	Dodge	Ram 2500	5.7L
54-10382, 51-10382, 75-10382	2003-2006	Dodge	Ram 3500	5.7L
54-11031, 51-11031	2005-2011	Dodge	Dakota	4.7L
54-11252-2, 51-11252-2, 75-11252-2, 75-11252-2V	2007-2011	Jeep	Wrangler	3.8L
54-11552-1, 51-11552-1	1991-2001	Jeep	Cherokee	4.0L
54-11552-1, 51-11552-1	1991-2001	Jeep	Cherokee	2.5L
54-12092-1, 51-12092-1, 75-12092-1	2012-2016	Jeep	Wrangler	3.6L
54-12099, 51-12099	2012-2016	Jeep	Wrangler	3.6L
54-12122, 51-12122, 75-12122	2011-2015	Dodge	Durango	3.6L
54-12122, 51-12122, 75-12122	2011-2015	Jeep	Grand Cherokee	3.6L
54-12242, 51-12242, 75-12242	2011-2017	Dodge	Durango	5.7L
54-12242, 51-12242, 75-12242	2011-2017	Jeep	Grand Cherokee	5.7L
54-12372, 51-12372	2009-2017	Dodge	Ram 1500	5.7L
54-12402, 51-12402	2009-2017	Dodge	Ram 1500	5.7L
54-12462, 51-12462	2014-2016	Jeep	Cherokee	3.2L
54-12562, 51-12562	1993-1998	Jeep	Grand Cherokee	4.0L
54-12602, 51-12602	2006-2009	Jeep	Commander	4.7L
54-12602, 51-12602	2005-2009	Jeep	Grand Cherokee	4.7L
54-12662, 51-12662	2012-2017	Jeep	Grand Cherokee SRT8	6.4L
54-72102, 51-72102	2009-2017	Dodge	Ram 1500	5.7L
54-72103, 51-72103	2014-2017	Dodge	Ram 2500	6.4L
54-76204, 51-76204, 75-76204	2012-2016	Jeep	Wrangler	3.6L
54-76205, 51-76205	2011-2015	Dodge	Durango	5.7L
54-76205, 51-76205	2011-2015	Jeep	Grand Cherokee	5.7L
54-76206, 51-76206	2012-2015	Jeep	Grand Cherokee SRT8	6.4L
54-76206-1, 51-76206-1	2012-2017	Jeep	Grand Cherokee SRT8	6.4L
54-76207, 51-76207	2011-2016	Dodge	Durango	3.6L
54-76207, 51-76207	2011-2015	Jeep	Grand Cherokee	3.6L
54-76213, 51-76213, 75-76213	2007-2011	Jeep	Wrangler	3.8L
54-81252, 51-81252, 75-81252, 75-81252-0V	2007-2011	Jeep	Wrangler	3.8L
F2-02001	2009-2012	Dodge	Ram 1500	5.7L
F2-06201	2012-2016	Jeep	Wrangler	3.6L