State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER D-550-15

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 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 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 2005 to 2014 model year General Motors and Ford vehicles, as listed in Exhibit A.

The Air Intake Systems consists of the following main components: Open or closed element air filter, air intake tubing from throttle body to filter, and all necessary mounting hardware for proper installation. The stock manifold air pressure sensor is retained in its stock location and orientation. **Installation of the Air Intake System requires the removal of the stock air filter housing and all intake air tubing. If the stock air filter housing contains the vehicle's tune-up & emissions control decal, a replacement decal must be placed in a similar location.**

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

This exemption is issued based on submitted emissions test data, from Quantum Technologies, Lake Forest, California, on a 2011 model year Ford F-150 (Test Group BFMXT03.54EP) certified to the Low Emission Vehicle II Ultra Low Emission Vehicle (LEV II ULEV) standards and tested using the Cold Start Federal Test Procedure and the Supplemental Federal Test Procedure (SFTP US06) test cycle:

	CVS-75 FTP			
	NMOG	CO	NOx	HCHO
Standards, Useful Life*	0.070	2.1	0.04	0.011
Device Test w/df	0.044	0.7	0.03	0.001

	US06	
	NMHC+NOx	CO
Standards 4k	0.60	11.8
Device	0.09	0.6

* USEPA Bin 4, Counted as LEV II ULEV, CVS-75 FTP emissions standards, useful life.

Test results showed that the Air Intake System when installed on the vehicle did not cause exhaust emissions to exceed the applicable emission standards during the Cold Start Federal Test Procedure and the Supplemental Federal Test Procedure. This Executive Order is also based on the On-Board Diagnostic II (OBD II) testing conducted on the same test vehicle. The Air Intake System when installed on the test vehicle did not affect the vehicle's ability to perform its OBD II monitoring.

The 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 AIR RESOURCES BOARD OF ANY CLAIMS OF THE APPLICANT CONCERNING ANTI-POLLUTION BENEFITS OR ANY ALLEGED BENEFITS OF THE AIR INTAKE SYSTEMS.

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 that 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 Air Resources Board.

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 4 day of August 2014.

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

Exhibit A

Core PN	PN1	PN2	PN3	PN4	Make	Model	Year Range	Eng Size	Eng Config
XX-11692	54-11692	51-11692			FORD	Crown Victoria	2005-2011	4.6L	V8
XX-11692	54-11692	51-11692			MERCURY	Grand Marquis	2005-2010	4.6L	V8
XX-12112	54-12112-B	51-12112-B	54-12112-P	51-12112-P	FORD	F-150 Pickup 2WD/F-150 Pickup 4WD	2012-2014	3.5L	V6
TA-5304X	TA-5304P	TA-5304B			FORD	Fiesta	2011-2014	1.6L	L4
XX-12102	54-12102-P	51-12102-P			FORD	Mustang Convertible/Mustang Coupe	2011-2014	3.7L	V6
TA-5102	TA-5102P	TA-5102B			CHEVROLET	Cobalt	2005-2007	2.0L	L4
XX-10862	54-10862	51-10862			HUMMER	H3	2005-2006	3.5L	L5
XX-12111	51-12111	54-12111	75-12111		Ford	F-150 EcoBoost	2012-2014	3.5L	V6
XX-12182	51-12182	54-12182	75-12182		Ford	F-150 EcoBoost	2011	3.5L	V6
XX-12192	51-12192	54-12192	75-12192		Ford	F-150 EcoBoost	2012-2014	3.5L	V6
XX-12193	51-12193	54-12193	75-12193		Ford	F-150 EcoBoost	2012-2014	3.5L	V6
XX-12113	51-12113	54-12113			Ford	F-150 EcoBoost	2011	3.5L	V6
xx-80512	51-80512	54-80512	75-80512		Ford	F-150	2004-2008	5.4L	V8
xx-80512	51-80512	54-80512	75-80512		Lincoln	Mark LT	2007-2008	5.4L	V8
xx-11122	51-11122	54-11122	75-11122		Ford	F-150	2007	4.6L	V8
xx-11402	51-11402	54-11402	75-11402		Ford	F-150	2007.5-2008	4.6L	V8
xx-11622	51-11622-B	54-11622-B	75-11622-B		Ford	F-150	2009-2010	5.4L	V8
xx-11622	51-11622-B	54-11622-B	75-11622-B		Ford	Expedition	2007-2011	5.4L	V8
xx-11622	51-11622-B	54-11622-B	75-11622-B		Lincoln	Navigator	2007-2011	5.4L	V8
xx-11622	51-11622-PV	54-11622-PV	75-11622-PV		Ford	F-150	2009-2010	5.4L	V8
xx-11622	51-11622-PV	54-11622-PV	75-11622-PV		Ford	Expedition	2007-2011	5.4L	V8
xx-11622	51-11622-PV	54-11622-PV	75-11622-PV		Lincoln	Navigator	2007-2011	5.4L	V8
xx-11842	51-11842-B	54-11842-B	75-11842-B		Ford	F-150	2009-2010	4.6L	V8
xx-11842	51-11842-P	54-11842-P	75-11842-PV		Ford	F-150	2009-2010	4.6L	V8
xx-11902	51-11902-1	54-11902-1	75-11902-1		Ford	F-150	2010-2014	6.2L	V8
xx-11902	51-11902-1P	54-11902-1P	75-11902-1P		Ford	F-150	2010-2014	6.2L	V8
xx-11962	51-11962-1B	54-11962-1B	75-11962-1B		Ford	F-150	2011-2014	5.0L	V8
xx-11962	51-11962-1P	54-11962-1P	75-11962-1P		Ford	F-150	2011-2014	5.0L	V8
xx-12061	51-12061-1	54-12061-1	75-12061-1		Ford	F-150	2011	3.5L	V6
xx-12061	51-12061-1	54-12061-1	75-12061-1		Ford	F-150	2011-2014	3.7L	V6
xx-12061	51-12061-1	54-12061-1	75-12061-1		Ford	F-150	2011-2014	5.0L	V8
xx-12061	51-12061-1	54-12061-1	75-12061-1		Ford	F-150	2011-2014	6.2L	V8
xx-12061	51-12061-1	54-12061-1	75-12061-1		Ford	F-250	2011-2014	6.2L	V8
xx-12061	51-12061-1	54-12061-1	75-12061-1		Ford	F-350	2011-2014	6.2L	V8
xx-11972	51-11972-1B	54-11972-1B	75-11972-1B		Ford	F-250	2011-2014	6.2L	V8
xx-11972	51-11972-1B	54-11972-1B	75-11972-1B		Ford	F-350	2011-2014	6.2L	V8
xx-11972	51-11972-1P	54-11972-1P	75-11972-1P		Ford	F-250	2011-2014	6.2L	V8
xx-11972	51-11972-1P	54-11972-1P	75-11972-1P		Ford	F-350	2011-2014	6.2L	V8
xx-12119-B		54-12119-B			Ford	F-150 EcoBoost	2012-2014	3.5L	V6