State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER D-550-13

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 1999 to 2014 model year General Motors trucks and SUVs equipped with a V8 gasoline engine, 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 2014 model year Chevrolet Silverado (Test Group EGMXT05.3382) 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	0.050	1.2	0.01	0.001

	US06	
	NMHC+NOx	CO
Standards 4k	0.40	10.5
Device	0.04	0.4

* 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 28th day of August 2014.

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

Exhibit A

Core PN	PN1	PN2	PN3	PN4	Make	Model	YR Fr	YR To	Eng Size	Eng Config
XX-10092	54-10092	51-10092	75-10092	N/A	CADILLAC	ESCALADE ESV	2003	2006	5.3L	V8
XX-10092	54-10092	51-10092	75-10092	N/A	CADILLAC	ESCALADE ESV	2003	2006	6.0L	V8
XX-10092	54-10092	51-10092	75-10092	N/A	CADILLAC	ESCALADE EXT	2002	2006	6.0L	V8
XX-10092	54-10092	51-10092	75-10092	N/A	CHEVROLET	SILVERADO 1500 HD/3500	2001	2007	6.0L	V8
XX-10092	54-10092	51-10092	75-10092	N/A	CHEVROLET	SILVERADO 1500 SS	2003	2007	6.0L	V8
XX-10092	54-10092	51-10092	75-10092	N/A	CHEVROLET	SILVERADO 2500/2500HD	1999	2007	6.0L	V8
XX-10092	54-10092	51-10092	75-10092	N/A	CADILLAC	ESCALADE	2002	2006	5.3L	V8
XX-10092	54-10092	51-10092	75-10092	N/A	CADILLAC	ESCALADE	2000	2006	6.0L	V8
XX-10092	54-10092	51-10092	75-10092	N/A	CHEVROLET	SILVERADO 1500	1999	2007	5.3L	V8
XX-10092	54-10092	51-10092	75-10092	N/A	CHEVROLET	SILVERADO 2500	1999	2007	5.3L	V8
XX-10092	54-10092	51-10092	75-10092	N/A	CHEVROLET	SILVERADO 1500	1999	2007	4.8L	V8
XX-10092	54-10092	51-10092	75-10092	N/A	CHEVROLET	TAHOE	2000	2006	4.8L	V8
XX-10092	54-10092	51-10092	75-10092	N/A	CHEVROLET	AVALANCHE 1500	2002	2006	5.3L	V8
XX-10092	54-10092	51-10092	75-10092	N/A	CHEVROLET	SUBURBAN 1500/TAHOE	2000	2006	5.3L	V8
XX-10092	54-10092	51-10092	75-10092	N/A	CHEVROLET	TAHOE	2000	2006	5.3L	V8
XX-10092	54-10092	51-10092	75-10092	N/A	CHEVROLET	SUBURBAN 2500	2000	2006	6.0L	V8
XX-10092	54-10092	51-10092	75-10092	N/A	GMC	SIERRA 1500	1999	2007	4.8L	V8
XX-10092	54-10092	51-10092	75-10092	N/A	GMC	SIERRA 1500	1999	2007	5.3L	V8
XX-10092	54-10092	51-10092	75-10092	N/A	GMC	SIERRA 2500	1999	2007	5.3L	V8
XX-10092	54-10092	51-10092	75-10092	N/A	GMC	SIERRA 1500HD/3500 HD	2001	2007	6.0L	V8
XX-10092	54-10092	51-10092	75-10092	N/A	GMC	SIERRA 2500/2500 HD	1999	2007	6.0L	V8
XX-10092	54-10092	51-10092	75-10092	N/A	GMC	YUKON	2000	2006	4.8L	V8
XX-10092	54-10092	51-10092	75-10092	N/A	GMC	YUKON/YUKON XL 1500	2000	2006	5.3L	V8
XX-10092	54-10092	51-10092	75-10092	N/A	GMC	YUKON DENALI/YUKON XL DENALI 1500	2001	2006	6.0L	V8
XX-10091	54-10091	51-10091	75-10091	N/A	CHEVROLET	SILVERADO 1500	1999	2007	4.8L	V8
XX-10091	54-10091	51-10091	75-10091	N/A	CHEVROLET	SILVERADO 1500/2500	1999	2007	5.3L	V8
XX-10091	54-10091	51-10091	75-10091	N/A	CHEVROLET	SILVERADO 2500	1999	2007	6.0L	V8
XX-10091	54-10091	51-10091	75-10091	N/A	CHEVROLET	SILVERADO 2500	1999	2007	8.1L	V8
XX-10091	54-10091	51-10091	75-10091	N/A	CHEVROLET	SILVERADO 3500	2002	2007	6.0L	V8
XX-10091	54-10091	51-10091	75-10091	N/A	CADILLAC	ESCALADE	2002	2006	5.3	V8
XX-10091	54-10091	51-10091	75-10091	N/A	CADILLAC	ESCALADE	2002	2006	6.0L	V8
XX-10091	54-10091	51-10091	75-10091	N/A	CHEVROLET	AVALANCHE 1500	2002	2006	5.3L	V8
XX-10091	54-10091	51-10091	75-10091	N/A	CHEVROLET	AVALANCHE 2500	2002	2006	8.1L	V8
XX-10091	54-10091	51-10091	75-10091	N/A	CHEVROLET	SILVERADO 2500HD	2001	2006	6.0L	V8
XX-10091	54-10091	51-10091	75-10091	N/A	CHEVROLET	SILVERADO 2500HD	2001	2006	8.1L	V8
XX-10091	54-10091	51-10091	75-10091	N/A	CHEVROLET	SILVERADO 3500	2002	2006	8.1L	V8
XX-10091	54-10091	51-10091	75-10091	N/A	CHEVROLET	SUBURBAN 1500/2500	2000	2006	5.3L	V8
XX-10091	54-10091	51-10091	75-10091	N/A	CHEVROLET	SUBURBAN 2500	2000	2006	6.0L	V8
XX-10091	54-10091	51-10091	75-10091	N/A	CHEVROLET	SUBURBAN 2500	2001	2006	8.1L	V8
XX-10091	54-10091	51-10091	75-10091	N/A	CHEVROLET	TAHOE	2000	2006	4.8L	V8
XX-10091	54-10091	51-10091	75-10091	N/A	CHEVROLET	TAHOE	2000	2006	5.3L	V8
XX-10091	54-10091	51-10091	75-10091	N/A	CHEVROLET	CHASSIS CAB C3500	2002	2006	8.1L	V8
XX-10091	54-10091	51-10091	75-10091	N/A	GMC	SIERRA 1500	1999	2007	4.8L	V8
XX-10091	54-10091	51-10091	75-10091	N/A	GMC	SIERRA 1500/2500	1999	2007	5.3L	V8
XX-10091	54-10091	51-10091	75-10091	N/A	GMC	SIERRA 2500	2000	2007	6.0L	V8
XX-10091	54-10091	51-10091	75-10091	N/A	GMC	DENALI	2001	2006	6.0L	V8
XX-10091	54-10091	51-10091	75-10091	N/A	GMC	SIERRA 2500HD	2001	2007	6.0L	V8
XX-10091	54-10091	51-10091	75-10091	N/A	GMC	SIERRA 3500 HD	2002	2007	6.0L	V8
XX-10091	54-10091	51-10091	75-10091	N/A	CHEVROLET	SILVERADO 1500HD	2001	2005	6.0L	V8
XX-10091	54-10091	51-10091	75-10091	N/A	GMC	SIERRA 1500HD	2001	2006	6.0L	V8
XX-10091	54-10091	51-10091	75-10091	N/A	GMC	SIERRA 2500	2001	2006	8.1L	V8
XX-10091	54-10091	51-10091	75-10091	N/A	GMC	SIERRA 2500HD/YUKON 2500	2001	2006	8.1L	V8
XX-10091	54-10091	51-10091	75-10091	N/A	GMC	SIERRA 3500 HD	2002	2006	8.1L	V8
XX-10091	54-10091	51-10091	75-10091	N/A	GMC	YUKON 1500	2000	2006	5.3L	V8
XX-10091	54-10091	51-10091	75-10091	N/A	GMC	YUKON 2500	2000	2006	5.3L	V8
XX-10091	54-10091	51-10091	75-10091	N/A	GMC	CHASSIS CAB C3500	2002	2006	8.1L	V8
XX-10531	54-10531	51-10531	75-10531	N/A	CADILLAC	ESCALADE	1999	2000	5.7L	V8
XX-10531	54-10531	51-10531	75-10531	N/A	CHEVROLET	C/K 1500 SUBURBAN/TAHOE/2500/3500 PICKUP	1996	2000	5.7L	V8
XX-10531	54-10531	51-10531	75-10531	N/A	CHEVROLET	C/K 1500 PICKUP	1996	1999	5.7L	V8
XX-10531	54-10531	51-10531	75-10531	N/A	CHEVROLET	C/K 1500/2500 PICKUP	1996	1999	5.0L	V8
XX-10531	54-10531	51-10531	75-10531	N/A	GMC	C/K 2500/3500/YUKON	1996	2000	5.7L	V8
XX-10531	54-10531	51-10531	75-10531	N/A	GMC	YUKON DENALI	1999	2000	5.7L	V8
XX-10531	54-10531	51-10531	75-10531	N/A	GMC	C/K 1500 PICKUP/SUBURBAN	1996	1999	5.7L	V8
XX-10531	54-10531	51-10531	75-10531	N/A	GMC	C/K 1500/2500 PICKUP	1996	1999	5.0L	V8
XX-32332	54-32332	51-32332			GM	Silverado/Sierra	2014	2014	5.3L	V8
XX-74104	54-74104	51-74104			GM	Silverado/Sierra	2014	2014	5.3L/6.2L	V8
XX-11742-1	54-11742-1	51-11742-1			GM	Silverado/Sierra	2009	2013	6.0L	V8
XX-11752-1	54-11752-1	51-11752-1			GM	Avalanche/Suburban/Silverado/Sierra/Tahoe/Yukon/Yukon XL	2009	2013	4.8L/5.3L/6.0L	V8
XX-11752-1	54-11752-1	51-11752-1			GM	Escalade/Sierra Denali/Yukon Denali/Yukon XL Denali	2009	2013	6.2L	V8
XX-74103	54-74103	51-74103			GM	Avalanche/Suburban/Silverado/Sierra/Tahoe/Yukon/Yukon XL	2009	2013	4.8L/5.3L/6.2L	V8
XX-31752	54-31752	51-31752			GM	Avalanche/Suburban/Silverado/Sierra/Tahoe/Yukon/Yukon XL	2009	2013	4.8L/5.3L/6.2L	V8
XX-81752	54-81752	51-81752			GM	Avalanche/Suburban/Silverado/Sierra/Tahoe/Yukon/Yukon XL	2009	2013	4.8L/5.3L/6.0L	V8
XX-81752	54-81752	51-81752			GM	Escalade/Sierra Denali/Yukon Denali/Yukon XL Denali	2009	2013	6.2L	V8
XX-11072	54-11072	51-11072			GM	Avalanche/Suburban/Silverado/Sierra/Tahoe/Yukon/Yukon XL	2007	2008	4.8L/5.3L/6.0L	V8
XX-11072	54-11072	51-11072			GM	Escalade/Sierra Denali/Yukon Denali/Yukon XL Denali	2007	2008	6.2L	V8
XX-81072	54-81072	51-81072			GM	Avalanche/Suburban/Silverado/Sierra/Tahoe/Yukon/Yukon XL	2007	2008	4.8L/5.3L/6.0L	V8
XX-81072	54-81072	51-81072			GM	Escalade/Sierra Denali/Yukon Denali/Yukon XL Denali	2007	2008	6.2L	V8
XX-74102	54-74102	51-74102			GM	Avalanche/Suburban/Silverado/Sierra/Tahoe/Yukon/Yukon XL	2007	2008	4.8L/5.3L/6.2L	V8
XX-80092	54-80092	51-80092			GM	Silverado/Sierra	1999	2007	4.8L/5.3L/6.0L	V8
XX-80092	54-80092	51-80092			GM	Avalanche	2002	2006	5.3L	V8
XX-80092	54-80092	51-80092			GM	Escalade/Suburban/Tahoe/Yukon incl Denali/Yukon XL incl Denali	2000	2006	4.8L/5.3L/6.0L	V8
XX-74101	54-74101	51-74101			GM	Avalanche/Suburban/Silverado/Sierra/Tahoe/Yukon/Yukon XL	1999	2007	4.8L/5.3L/6.0L	V8
XX-10402	54-10402	51-10402	75-10402	N/A	HUMMER	H2	2003	2010	6.0L	V8
XX-10401	54-10401	51-10401	75-10401	N/A	HUMMER	H2	2003	2007	6.0L	V8