

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER D-550-16

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 applicable gasoline vehicles 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 mass air flow sensor is retained in its stock location and orientation. Air Intake Systems which retain the stock air box will include a new intake tube, air filter element, and a throttle body spacer. **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, AFE must present to the Air Resources Board (ARB) a plan on how this information will be retained or restored prior to the issuance of an Executive Order.**

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 2012 model year Nissan Altima (Test Group CNSXV02.585A) certified to the Low Emission Vehicle II Super Ultra Low Emission Vehicle (LEV II SULEV) 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	0.010	1.0	0.02	0.004
Device Test w/df	0.009	0.4	0.01	0.001

2.

	US06	
	NMHC+NOx	CO
Standards 4k	0.14	8.0
Device	0.01	4.0

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.

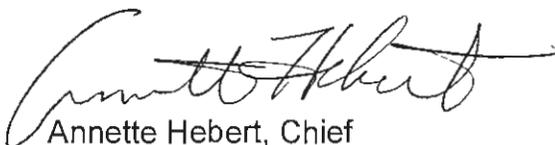
This Executive Order shall not apply to any Air Intake Systems advertised, offered for sale, sold with, or installed on a new motor vehicle prior to or concurrent with transfer to an ultimate purchaser.

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 3 day of October 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 NOTES
TR-1020X	TR-1020B	TR-1020P			ACURA	ILX	2013	2014	2.0L	
TR-1019X	TR-1019P	TR-1019B			HONDA	Accord	2013	2014	2.4L	
TR-1021X-X	TR-1021B-D	TR-1021-P-D	TR-1021-B-R	TR-1021-P-R	HONDA	Accord	2013	2014	3.5L	
55-1223X	55-12230	55-12231			HONDA	Accord	2008	2012	2.4L	Retains stock air box
TL-1001X	TL-1001P	TL-1001B			HONDA	Accord	2008	2012	2.4L	
TR-1001X	TR-1001P	TR-1001B			HONDA	Accord	2008	2012	2.4L	
TR-1007X	TR-1007B	TR-1007B			HONDA	Accord	2008	2012	3.5L	
TA-1011X	TA-1011P	TA-1011B			HONDA	Accord	2003	2007	2.4L	
TR-1020X	TR-1020B	TR-1020P			HONDA	Civic	2012	2014	1.8L	
55-1222X	55-12220	55-12221			HONDA	Civic Si	2012	2014	2.4L	Retains stock air box
TM-1018X-X	TM-1018P-R	TM-1018P-D	TM-1018B-R	TM-1018B-D	HONDA	Civic Si	2012	2014	2.4L	
XX-10911	54-10911	51-10911			HONDA	Ridgeline	2006	2009	3.5L	
TR-3015X	TR-3015P	TR-3015B			INFINITI	G35	2003	2006	3.5L	
XX-11092	54-11092	51-11092			INFINITI	G35	2003	2006	3.5L	
TA-3016X	TA-3016P	TA-3016B			INFINITI	G37 Coupe	2008	2013	3.7L	
TA-3016X	TA-3016P	TA-3016B			INFINITI	Q60	2014	2014	3.7L	
TA-4402X	TA-4402P	TA-4402B			KIA	Forte	2010	2011	2.0L/2.4L	Excluding LEVIISULEV
TL-4401X	TL-4401P	TL-4401B			KIA	Soul	2010	2011	2.0L	Excluding LEVIISULEV
TR-4101X	TR-4101P	TR-4101B			MAZDA	3	2004	2009	2.0L/2.3L	Excluding LEVIISULEV
TR-4201X	TR-4201P	TR-4201B			MINI	Lancer	2008	2009	2.4L	Excluding LEVIISULEV
TM-4202X-X	TM-4202B-D	TM-4202P-D	TM-4202B-R	TM-4202P-R	MINI	Lancer EVO X	2008	2014	2.0L	Excluding LEVIISULEV
TR-4203X	TR-4203P	TR-4203B			MINI	Lancer GTS	2009	2014	2.4L	Excluding LEVIISULEV
TA-3017X	TA-3017P	TA-3017B			NISSAN	370Z	2009	2014	3.7L	
TR-3009X	TR-3009P	TR-3009B			NISSAN	370Z	2009	2014	3.7L	
TR-3002X	TR-3002P	TR-3002B			NISSAN	Altima	2007	2012	2.5L	
TA-3007X	TA-3007B				NISSAN	GT-R	2009	2015	3.8L	
XX-76101	54-76101	51-76101			NISSAN	Titan	2004	2014	5.6L	
55-1228X	55-12280	55-12281			SCION	FR-S	2013	2014	2.0L	Retains stock air box
55-1228X	55-12280	55-12281			SUBARU	BRZ	2013	2014	2.0L	Retains stock air box
TA-4301X	TA-4301P	TA-4301B			SUBARU	Impreza WRX/WRX Sti	2008	2014	2.5L	Excluding LEVIISULEV
TR-4303X	TR-4303P	TR-4303B			SUBARU	Legacy	2010	2014	2.5L	Excluding LEVIISULEV
TR-4303X	TR-4303P	TR-4303B			SUBARU	Outback	2009	2014	2.5L	Excluding LEVIISULEV
TR-4304X	TR-4304P	TR-4304B			SUBARU	Outback/Legacy	2010	2014	3.6L	Excluding LEVIISULEV
XX-12262-1	54-12262-1	51-12262-1			TOYOTA	Tundra/Sequoia	2000	2002	4.7L	
TR-1009X	TR-1009B	TR-1009P			ACURA	RSX, Type S	2002	2006	2.0L	
TR-1007X	TR-1007B	TR-1007P			ACURA	TL	2009	2013	3.5L	
TR-1007X	TR-1007B	TR-1007P			ACURA	TL	2009	2013	3.7L	
TA-1006X	TA-1006B	TA-1006P			ACURA	TL	2004	2008	3.2L	
TL-1002X	TL-1002B	TL-1002P			ACURA	TSX	2009	2014	2.4L	

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TR-1007X	TR-1007B	TR-1007P			HONDA	Accord	2008	2012		3.5L	
TA-1006X	TA-1006B	TA-1006P			HONDA	Accord	2003	2007		3.0L	
TA-1012X	TA-1012B	TA-1012P			HONDA	Civic	2006	2011		1.8L	
XX-11432	54-11432	51-11432			HONDA	Civic	2006	2011		1.8L	
TA-1004X	TA-1004B	TA-1004P			HONDA	Civic Si	2006	2011		2.0L	
TM-1016X	TM-1016P	TM-1016B	TM-1016B-1	TM1016-B-D	HONDA	CR-Z	2011	2014		1.5L	
XX-11291	54-11291	51-11291			HONDA	Element	2003	2006		2.4L	
TA-1003X	TA-1003B	TA-1003P			HONDA	Fit	2009	2013		1.5L	
XX-11282	54-11282	51-11282			HONDA	Fit	2007	2008		1.5L	
TR-3001X	TR-3001B	TR-3001P			INFINITI	G35	2003	2006		3.5L	
TR-3008X	TR-3008B	TR-3008P			INFINITI	G37	2008	2014		3.7L	
TR-3008X	TR-3008B	TR-3008P			INFINITI	Q60	2014	2014		3.7L	
TA-4107X	TA-4107P	TA-4107B			Mazda	3	2010	2013		2.5L	Excluding LEVIISULEV
TA-4105X	TA-4105B	TA-4105P			MAZDA	MAZDASPEED3	2007	2009		2.3L	Excluding LEVIISULEV
TR-4104X	TR-4104B	TR-4104P			MAZDA	RX-8	2004	2011		1.3L	Excluding LEVIISULEV
XX-11612	54-11612	54-11612			MITSUBISHI	Lancer	2008	2008		2.0L	Excluding LEVIISULEV
TR-4202X	TR-4202B	TR-4202P			MITSUBISHI	Lancer EVO X	2008	2014		2.0L	Excluding LEVIISULEV
XX-11612	54-11612	54-11612			MITSUBISHI	Lancer EVO X	2008	2014		2.0L	Excluding LEVIISULEV
TR-3004X	TR-3004B	TR-3004P			NISSAN	350Z	2007	2008		3.5L	
XX-11532	54-11532	51-11532			NISSAN	350Z	2007	2008		3.5L	
TR-3001X	TR-3001B	TR-3001P			NISSAN	350Z	2003	2006		3.5L	
XX-11372	54-11372	51-11372			NISSAN	350Z	2003	2006		3.5L	
TR-3004X	TR-3004B	TR-3004P			NISSAN	350Z Roadster	2009	2009		3.5L	
TR-3010X	TR-3010B	TR-3010P			NISSAN	Altima	2007	2014		3.5L	
55-1031X	55-10310	55-10311			NISSAN	Armada	2004	2011		5.6L	Retains stock air box
TR-3006X	TR-3006B	TR-3006P			NISSAN	Cube	2009	2014		1.8L	
TR-3005X	TR-3005B	TR-3005P			NISSAN	Maxima	2009	2014		3.5L	
TL-3003X	TL-3003B	TL-3003P			NISSAN	Maxima	2004	2008		3.5L	
55-1031X	55-10310	55-10311			NISSAN	Titan	2004	2011		5.6L	Retains stock air box
TR-3006X	TR-3006B	TR-3006P			NISSAN	Versa	2007	2013		1.8L	
TR-4302X	TR-4302B	TR-4302P			SUBARU	WRX	2006	2007		2.5L	
TR-4302X	TR-4302B	TR-4302P			SUBARU	WRX	2002	2005		2.0L	
TR-4302X	TR-4302B	TR-4302P			SUBARU	WRX Sti	2004	2007		2.5L	
XX-11502	54-11502	51-11502			TOYOTA	4Runner	1999	2002		3.4L	
55-1254X	55-12540	55-12541			TOYOTA	Sequoia	2008	2013		4.6L/5.7L	Retains stock air box
XX-11052	54-11052	51-11052			TOYOTA	Tacoma	1999	2004		2.4L/2.7L	
XX-11502	54-11502	51-11502			TOYOTA	Tacoma	1999	2004		3.4L	
55-1254X	55-12540	55-12541			TOYOTA	Tundra	2007	2013		4.6L/5.7L	Retains stock air box
55-1255X	55-12250	55-12551			TOYOTA	Tundra/Sequoia	2014	2014		4.6/5.7L	Retains stock air box
XX-12262-1	54-12262-1	51-12262-1			TOYOTA	Tundra	2000	2002		4.7L	