

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER D-550-2

Relating to Exemptions Under Section 27156  
of the California Vehicle Code

Advanced Flow Engineering  
Magnum Force 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-02-003;

IT IS ORDERED AND RESOLVED: That the installation of the Magnum Force Air Intake Systems, produced and marketed by Advanced Flow Engineering of 191 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 vehicles listed in the attached Exhibit A.

The Magnum Force Air Intake Systems include the following main components: open-element reusable air filter, intake system tubing, assorted brackets, and hardware.

This Executive Order is valid provided that the installation instructions for the Magnum Force 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 Magnum Force 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 Executive Order shall not apply to any Magnum Force 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 Magnum Force Air Intake Systems using any identification other than that shown in this Executive Order or marketing of the Magnum Force 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.

This Executive Order does not constitute any opinion as to the effect the use of the Magnum Force Air Intake Systems may have on any warranty either expressed or implied by the vehicle manufacturer.

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This Executive Order is granted based on emission test results in the modified configuration using the Cold-Start CVS-75 Federal Test Procedure (FTP), and an examination of the On-Board Diagnostic II (OBD II) system. A 2006 Ford Mustang 4.0 Liter (6FMXV04.01FC, LEV2 ULEV) was used for the evaluation of the Magnum Force Air Intake Systems. Results from emissions testing conducted at Automotive Testing and Development Services are shown below (in grams per mile):

FTP	50k	NMOG	CO	NOx	HCHO
	Emission Level (w. DF applied)	0.037	0.38	0.03	na
	STD	0.040	1.7	0.05	0.008
	120k	NMOG	CO	NOx	HCHO
	Emission Level (w. DF applied)	0.046	0.53	0.05	na
	STD	0.055	2.1	0.07	0.011

The emission test results in the modified configuration were below the applicable certification standards. Examination of the OBD II system showed the Magnum Force Air Intake Systems does not affect OBD II operation. Therefore, based on the test results, the staff concludes that the Magnum Force Air Intake Systems meets the criteria for exempting general criteria parts.

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 Magnum Force Air Intake Systems 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.

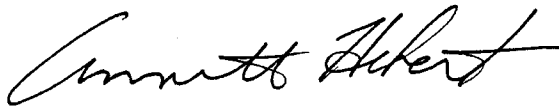
THIS EXECUTIVE ORDER DOES NOT CONSTITUTE A CERTIFICATION, ACCREDITATION, APPROVAL, OR ANY OTHER TYPE OF ENDORSEMENT BY THE AIR RESOURCES BOARD OF ANY CLAIMS OF THE APPLICANT CONCERNING ANTI-POLLUTION BENEFITS OR ANY ALLEGED BENEFITS OF THE ADVANCED FLOW ENGINEERING MAGNUM FORCE AIR INTAKE SYSTEMS.

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 5 day of August 2008.



Annette Hebert, Chief  
Mobile Source Operations Division

Part No.	Make	Model	Model-Year	Engine	Configuration	Fuel Type
54-10052	Chevrolet	Corvette (excluding 2003-2004 Z06)	1997-2004	5.7L	V8	Gas
54-10052	Chevrolet	Corvette (excluding 2003-2004 Z06)	1997-2004	5.7L Z06	V8	Gas
54-10171	BMW	323i	1998-1999	2.5L	I6	Gas
54-10171	BMW	325i	1992-1995	2.5L	I6	Gas
54-10171	BMW	328i	1996-1999	2.8L	I6	Gas
54-10171	BMW	M3	1995	3.0L	I6	Gas
54-10291	Ford	Mustang GT (2005, excluding models manufactured prior to April 2005, equipped with HC adsorber, Ford intake part numbers 6R33- 9C662-BJ (manual trans) or 6R33-9C662- CF (auto trans). 2006 no restriction.)	2005-2006	4.6L	V8	Gas
54-10291	Ford	Mustang	2005-2006	4.0L	V6	Gas
54-10292	Ford	Mustang GT (2005, excluding models manufactured prior to April 2005, equipped with HC adsorber, Ford intake part numbers 6R33- 9C662-BJ (manual trans) or 6R33-9C662- CF (auto trans). 2006 no restriction.)	2005-2006	4.6L	V8	Gas
54-10301	Ford	Excursion	2005	6.8L	V10	Gas
54-10301	Ford	F250 Super Duty	2005	6.8L	V10	Gas
54-10301	Ford	F350 Super Duty	2005	6.8L	V10	Gas
54-10301	Ford	F450 Super Duty	2005	6.8L	V10	Gas
54-10301	Ford	F550 Super Duty	2005	6.8L	V10	Gas
54-10312	Nissan	Armada	2004-2005	5.6L	V8	Gas
54-10312	Nissan	Titan	2004-2005	5.6L	V8	Gas
54-10312	Infiniti	QX56	2004-2005	5.6L	V8	Gas
54-10342	GMC	Canyon	2004-2005	3.5L	L5	Gas
54-10342	Chevrolet	Colorado	2004-2005	3.5L	L5	Gas
54-10381	Dodge	Ram 1500	2002-2005	4.7L	V8	Gas
54-10381	Dodge	Ram 1500	2003-2005	5.7L	V8	Gas
54-10381	Dodge	Ram 2500	2003-2005	5.7L	V8	Gas
54-10381	Dodge	Ram 3500	2003-2005	5.7L	V8	Gas
54-10381	Dodge	Ram 1500	2002-2003	5.9L	V8	Gas
54-10381	Dodge	Ram 2500	2002-2003	5.9L	V8	Gas

Part No.	Make	Model	Model-Year	Engine	Configuration	Fuel Type
54-10402	Hummer	H2	2003-2005	6.0L	V8	Gas
54-10461	BMW	M3	2001-2005	3.2L	I6	Gas
54-10482	Nissan	350Z	2003-2005	3.5L	V6	Gas
54-10492	Nissan	Frontier	2005	4.0L	V6	Gas
54-10492	Nissan	Pathfinder	2005	4.0L	V6	Gas
54-10492	Nissan	Xterra	2005	4.0L	V6	Gas
54-10502	Dodge	Ram 1500	2003-2005	5.7L	V8	Gas
54-10502	Dodge	Ram 2500	2003-2005	5.7L	V8	Gas
54-10502	Dodge	Ram 3500	2003-2005	5.7L	V8	Gas
54-10512	Ford	F150	2004-2005	5.4L	V8	Gas
54-10531	Chevrolet	C/K1500 Pickup	1996-1999	5.0L	V8	Gas
54-10531	Chevrolet	C/K1500 Pickup	1996-1999	5.7L	V8	Gas
54-10531	GMC	C/K1500 Pickup	1996-1999	5.0L	V8	Gas
54-10531	GMC	C/K1500 Pickup	1996-1999	5.7L	V8	Gas
54-10531	Chevrolet	C/K2500 Pickup	1996-1999	5.0L	V8	Gas
54-10531	Chevrolet	C/K2500 Pickup	1996-2000	5.7L	V8	Gas
54-10531	GMC	C/K2500 Pickup	1996-1999	5.0L	V8	Gas
54-10531	GMC	C/K2500 Pickup	1996-2000	5.7L	V8	Gas
54-10531	Chevrolet	C/K3500 Pickup	1996-2000	5.7L	V8	Gas
54-10531	GMC	C/K3500 Pickup	1996-2000	5.7L	V8	Gas
54-10531	Cadillac	Escalade	1999-2000	5.7L	V8	Gas
54-10531	Chevrolet	C/K1500 Suburban	1996-2000	5.7L	V8	Gas
54-10531	GMC	C/K1500 Suburban	1996-1999	5.7L	V8	Gas
54-10531	Chevrolet	Tahoe	1996-2000	5.7L	V8	Gas
54-10531	GMC	Yukon	1996-2000	5.7L	V8	Gas
54-10531	GMC	Yukon Denali	1999-2000	5.7L	V8	Gas
54-10542	Ford	E250	1997	6.8L	V10	Gas
54-10542	Ford	E350	1997-2005	6.8L	V10	Gas
54-10542	Ford	E450	1997-2005	6.8L	V10	Gas
54-10542	Ford	E550	1997-2005	6.8L	V10	Gas
54-10551	Mazda	B4000	2004-2005	4.0L	V6	Gas
54-10551	Ford	Ranger	2004-2005	4.0L	V6	Gas
54-10561	Mini	Cooper	2002-2004	1.6L	L4	Gas
54-10572	Mini	Cooper S	2002-2005	1.6L	L4	Gas
54-10582	Dodge	Neon SRT-4	2003-2005	2.4L	L4	Gas
54-10601	BMW	525i	2001-2003	2.5L	I6	Gas
54-10601	BMW	528i	1997-2000	2.8L	I6	Gas
54-10622	Dodge	Durango	2004-2005	4.7L	V8	Gas
54-10622	Dodge	Durango	2004-2005	5.7L	V8	Gas
54-10642	Chrysler	PT Cruiser GT	2003-2005	2.4L	L4	Gas
54-10651	BMW	Z4	2003-2005	2.5L	L6	Gas
54-10661	BMW	Z4	2003-2005	3.0L	L6	Gas
54-10671	BMW	530i	2001-2003	3.0L	I6	Gas
54-10681	BMW	X5	2001-2005	4.4L	V8	Gas
54-10681	BMW	X5	2005	4.8L	V8	Gas
54-10691	BMW	X5	2001-2005	3.0L	L6	Gas
54-10702	Toyota	Corolla S	2003-2004	1.8L	L4	Gas
54-10702	Toyota	Matrix	2003-2004	1.8L	L4	Gas
54-10702	Pontiac	Vibe	2003-2004	1.8L	L4	Gas
54-10711	Chrysler	300C	2005	5.7L	V8	Gas
54-10711	Dodge	Magnum	2005	5.7L	V8	Gas

Part No.	Make	Model	Model-Year	Engine	Configuration	Fuel Type
54-10712	Chrysler	300C	2005	5.7L	V8	Gas
54-10712	Dodge	Magnum	2005	5.7L	V8	Gas
54-10741	Mazda	B3000	2004-2005	3.0L	V6	Gas
54-10741	Ford	Ranger	2004-2005	3.0L	V6	Gas
54-10751	Ford	Crown Victoria	1992-2002	4.6L	V8	Gas
54-10751	Mercury	Grand Marquis	1992-2002	4.6L	V8	Gas
54-10802	Subaru	Impreza WRX	2002-2005	2.0L	H4	Gas
54-10802	Subaru	Impreza WRX Sti	2004-2005	2.5L	H4	Gas
54-10821	VW	Golf GTI VR6	1995-1999	2.8L	V6	Gas
54-10821	VW	Jetta III GLX	1995-1999	2.8L	V6	Gas
54-10831	VW	Golf	2000-2004	1.8L	L4	Gas
54-10831	VW	Golf GTI	2000-2004	1.8L	L4	Gas
54-10831	VW	Jetta GLS	2000-2004	1.8L	L4	Gas
54-10831	VW	Beetle	2000-2004	1.8L	L4	Gas
54-10831	VW	Golf TDI	2000-2004	1.9L	L4	Diesel
54-10831	VW	Golf GTI	2000-2004	1.9L	L4	Diesel
54-10831	VW	Jetta TDI	2000-2004	1.9L	L4	Diesel
54-10831	VW	Beetle TDI	2000-2004	1.9L	L4	Diesel
54-10852	BMW	M5	2000-2003	5.0L	V8	Gas
54-10872	GMC	Envoy	2002-2005	4.2L	L6	Gas
54-10872	Chevrolet	Trailblazer	2002-2004	4.2L	L6	Gas
54-10872	Oldsmobile	Bravada	2002-2005	4.2L	L6	Gas
54-10892	Cadillac	CTS	2004-2005	3.6L	V6	Gas
54-10892	Cadillac	SRX	2004-2005	3.6L	V6	Gas
55-10510	Ford	Expedition	2004-2005	5.4L	V8	Gas
55-10510	Ford	F150	2004-2005	5.4L	V8	Gas
55-10720	Porsche	Boxster	2000-2004	2.7L	H6	Gas
55-10720	Porsche	Boxster S	2001-2004	3.2L	H6	Gas