

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER D-392-21

Relating to Exemptions under  
Section 27156 of the Vehicle Code

Advanced Engine Management, Inc.  
Air Induction Systems

Pursuant to the authority vested in the Air Resources Board (ARB) by Section 27156 of the Vehicle Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-02-003;

IT IS ORDERED AND RESOLVED: That installation of the air induction systems, manufactured by Advanced Engine Management, Inc. of 2205 126<sup>th</sup> Street, Unit A, Hawthorne, California 90250, has been found not to reduce the effectiveness of the applicable vehicle pollution control systems, and therefore, the air induction systems are exempt from the prohibitions in Section 27156 of the Vehicle Code for installation on the vehicles listed in Attachment A.

This Executive Order excludes all vehicles subject to the California LEV II ULEV, LEV II SULEV, or lower Federal Test Procedure (FTP) exhaust emission standards. The engine families (or test groups) excluded from this Executive Order are also identified in Attachment A.

The air induction systems include an open-element air filter, aluminum inlet tube(s), and assorted mounting brackets and hoses, including the positive crankcase ventilation breather hose in some applications.

On 2003 model-year 2.4 liter Honda Accord and 2004 model-year 2.4 liter Acura TSX models, the cavity in the air box where the crankcase ventilation breather hose connects must be retained. The cavity is an emission control device used to trap oil and fuel vapor emissions.

This Executive Order is granted based on Cold-Start CVS-75 FTP emissions, Supplemental Federal Test Procedure (SFTP) emissions, and On-Board Diagnostic II (OBD II) System testing conducted by Advanced Engine Management, Inc. with its air induction systems installed. Test results showed that the air induction systems have no adverse impact on the vehicles' FTP or SFTP exhaust emissions or their OBD II Systems.

If evidence provides the ARB with reasons to suspect that the air induction systems will affect the durability of the emission control system, Advanced Engine Management, Inc. shall be required to submit durability data to show that the durability of the vehicle emission control system is not, in fact, affected and/or that the add-on or modified parts demonstrate adequate durability.

Changes made to the design or operating conditions of the air induction systems, as exempt by the ARB, which adversely affect the performance of the vehicles' emission control system, shall invalidate this Executive Order.

Marketing of the air induction systems using identification other than that shown in this Executive Order or for an application other than that listed in this Executive Order shall be prohibited unless prior approval is obtained from the ARB.

Exemption of the air induction systems shall not be construed as exemption to sell, offer for sale, or advertise any component of the systems as an individual device.

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

This Executive Order does not constitute any opinion as to the effect the use of the air induction systems may have on any warranty either expressed or implied by the vehicle manufacturer.

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.

In addition to the foregoing, 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 California Code of Regulations, Title 13, 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 ADVANCED ENGINE MANAGEMENT, INC.'S AIR INDUCTION SYSTEMS.

Violation of any of the above conditions shall be grounds for revocation of this Executive Order. The Executive Order may be revoked only after a ten-day written notice of intention to revoke the Executive Order, in which period the holder of the Executive 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 Executive Order may not be revoked until a determination is made after the hearing that grounds for revocation exist.

Executed at El Monte, California, this 18<sup>TH</sup> day of December 2003.



Allen Lyons, Chief  
Mobile Source Operations Division

## Attachment A

Advanced Engine Management, Inc. – Air Induction Systems				
Cold Air System	Short Ram System	Model Year	Model	Engine
21-415	22-415	2001-2002	Honda Accord	2.3L 4-cyl. VTEC F23A1, F23A4, F23A5 (excludes 2001 MY LEV II SULEV 1HNXV02.3BF9 and 2002 MY LEV II SULEV 2HNXV02.3FK6)
21-422	--	2002-2003	Dodge Neon SE & SXT	2.0L SOHC
21-424	--	2001-2003	Dodge Neon R/T & ACR	2.0L SOHC
--	22-425	2003	Dodge SRT-4	2.4L turbo.
21-432	22-432	2001-2003	Chrysler Sebring Coupe LXI Dodge Stratus Coupe R/T Mitsubishi Eclipse GT	3.0L V-6
21-433	--	2003	Mitsubishi Eclipse RS, GS	2.4L 4G64
--	22-433	2000-2003	Mitsubishi Eclipse RS, GS	2.4L 4G64
21-434	--	2003	Mitsubishi Lancer	2.0L
--	22-435	2003	Mitsubishi Lancer Evolution	2.0L turbo.
21-449	--	2002-2003	Nissan Sentra SE	2.0L
21-450	22-450	2002-2003	Ford Focus	2.0L Zetec
21-462	--	2003	Toyota MR2 Spyder	1.8L 1ZZ-FE
--	22-463	1995-1996	Toyota Tacoma	2.4L 4-cyl. 2.7L 4-cyl.
--	22-463	1996-1999	Toyota 4 Runner	2.7L 4-cyl.
--	22-464	2002-2003	Lexus IS300	2JZGE
21-469	22-469	2003	Toyota Matrix XR	1.8L
21-490	--	2002-2003	Volkswagen GTI, Jetta	2.8L VR-6
21-492	--	1999.5-2003	Volkswagen Golf, Jetta	2.0L 4-cyl. (excludes 2003 MY LEV II SULEV 3VWXV02.0227)
21-493	--	1999.5-2003	Volkswagen GTI, Jetta	1.8L, 1.9L turbocharged
21-508	22-508	2002-2003	Honda Civic Si	2.0L K20A3
21-510	22-510	2003	Honda Accord	3.0L V-6 J30A4 (excludes 2003 MY LEV II ULEV 3HNXV03.0HB4)
21-511 <sup>1</sup>	22-511 <sup>1</sup>	2003	Honda Accord, excluding LX-P model	2.4L 4-cyl. K24A4 22-511 on manual trans. only (excludes 2003 MY LEV II SULEV 3HNXV02.4KCP)

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Advanced Engine Management, Inc. – Air Induction Systems				
Cold Air System	Short Ram System	Model Year	Model	Engine
--	22-512 <sup>1</sup>	2004	Acura TSX	2.4L I-VTEC
21-521	22-521	2003	Hyundai Tiburon	2.7L V-6
21-544	22-544	2002-2004	Nissan SE-R, SE-R Spec V	2.5L
21-545	22-545	2002-2003	Nissan Altima	3.5L V-6
21-546	22-546	2002-2003	Nissan Altima	2.5L 4-cyl.
21-547	--	2003	Nissan 350Z	3.5L VQ35DE
21-563 <sup>2</sup>	--	2000-2003	Toyota Celica GT-S	1.8L
21-564 <sup>2</sup>	--	2000-2003	Toyota Celica GT	1.8L
21-565	22-565	1992-1996	Toyota Camry	3.0L V-6
21-566	22-566	2004	Toyota Scion XA, XB	1.5L
--	22-670	1999-2000	BMW 323	2.5L
21-672	22-672	2001-2003	BMW 325	2.5L (excludes 2003 MY LEV II ULEV 3BMXV03.0UL2 and 2003 MY LEV II SULEV 3BMXV02.5M56)
21-672	22-672	1999-2000	BMW 328	2.8L
V2 Cold Air System		Model Year	Model	Engine
24-6001		1992-1995	Honda Civic DX, EX, LX, Si	1.5L D15B7, 1.6L D16Z6
24-6003		1994-2001	Acura Integra, excluding GSR & Type-R	1.8L
24-6004		1994-2001	Acura Integra GSR	1.8L B18C1
24-6006 <sup>3</sup>		1997-2001	Honda Prelude	2.2L VTEC
24-6008		1994-1997	Honda Accord	2.2L 4-cyl. F22B1, F22B2
24-6016		1998-2002	Honda Accord	3.0L V-6 J30A1
24-6030		1995-1999	Mitsubishi Eclipse	420A non-turbo. manual trans. only
24-6100		2001-2003	Honda Civic EX	1.7L D17A2
24-6102		2001-2003	Honda Civic DX, LX	1.7L D17A1
24-6105 <sup>4</sup>		2002-2003	Acura RSX	2.0L I-VTEC

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V2 Cold Air System	Model Year	Model	Engine
24-6106	2002-2003	Acura RSX Type-S	2.0L I-VTEC
24-6108	2002-2003	Honda Civic Si	2.0L I-VTEC
Brute Force Air Induction System	Model Year	Model	Engine
21-8000	1999-2003	GMC Yukon Denali	5.3L V-8
21-8000	2001-2003	GMC Yukon Denali	6.0L V-8
21-8000	2002-2003	Cadillac Escalade Cadillac EXT Chevy Avalanche	5.3L V-8, 6.0L V-8 6.0L V-8 5.3L V-8
21-8001	1988-1995	Chevy C/K Pick-Up GMC C/K Pick-Up, excluding models with thermostatic air cleaners	5.0L V-8, 5.7L V-8
21-8001	1992-1995	Chevy Trailblazer Chevy Suburban Chevy Tahoe GMC Jimmy GMC Yukon, excluding models with thermostatic air cleaners	5.7L V-8
21-8005	1996-2003	Chevy Blazer Chevy S10 Pick-Up GMC Jimmy GMC Sonoma Chevy S15 Pick-Up	4.3L V-6
21-8009	1999-2003	Chevy S10 pick-up	2.2L 4-cyl.
21-8009	1998-2003	GMC Sonoma	2.2L 4-cyl.
21-8012	2003	Hummer H2	6.0L V-8
21-8101	1999-2003	Ford Excursion Ford F-series Super-Duty	6.8L V-10
21-8103	1996-2003	Ford Mustang GT, excluding Bullet	4.6L V-8
21-8200	1997-2000	Dodge Dakota	5.2L V-8
21-8200	1998-2002	Dodge Dakota	5.9L V-8
21-8200	1998-2002	Dodge Durango	5.2L V-8
21-8200	2000-2002	Dodge Durango	5.9L V-8
21-8203	2003	Dodge Ram HEMI	5.7L V-8 HEMI
21-8205	2002-2003	Dodge Ram	4.7L Magnum
21-8301	1997-2003	Jeep Wrangler	2.5L 4-cyl.

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Advanced Engine Management, Inc. – Air Induction Systems			
Brute Force Air Induction System	Model Year	Model	Engine
21-8302	1993-1998	Jeep Grand Cherokee	5.2L V-8
21-8302	1998	Jeep Grand Cherokee	5.9L V-8
21-8303	2002-2003	Jeep Liberty	3.7L V-6
21-8400	2003	Toyota Tacoma	3.4L V-6
21-8401	2003	Toyota Sequoia	4.7L V-8
21-8500	1999-2003	Nissan Frontier, Xterra	3.3L V-6
21-8500	2001-2003	Nissan Frontier supercharged	3.3L V-6 supercharged
21-8500	2002-2003	Nissan Xterra supercharged	3.3L V-6 supercharged

## Notes:

- 1 On 2003 MY 2.4 liter Honda Accord (CAS 21-511 and SRS 22-511) and 2004 MY 2.4 liter Acura TSX (SRS 22-512), the cavity in the air box where crankcase ventilation breather hose connects must be retained. The cavity is an emission control device used to trap oil and fuel vapor emissions.
- 2 CAS's 21-563 and 21-564 require removal of the intake control solenoid valve and associated hoses used to control noise. They must be installed with AEM's new vacuum hose routing diagram.
- 3 V2 CAS 24-6006 requires removal of the intake control solenoid valve and associated hoses used to control noise. It must be installed with AEM's new vacuum hose routing diagram.
- 4 V2 CAS 24-6105 includes a wiring extension kit for the intake air temperature sensor.