

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER D-161-81

Relating to Exemptions Under Section 27156
of the California Vehicle Code

Gale Banks Engineering
Ram-Air Intake

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 Ram-Air Intake, manufactured and marketed by Gale Banks Engineering, 546 Duggan Avenue, Azusa, California 91702, 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 following vehicles applications.

<u>Model Year</u>	<u>Make</u>	<u>Model</u>	<u>Engine</u>	<u>Part No.</u>
1999-2007	GM	Pickups (except Silverado SS)	4.8L/5.3L/6.0L	41800
1999-2007	GM	Pickups Silverado SS/SUVs	4.8L/5.3L/6.0L	41801
2007-2008	GM	Pickups Silverado SUVs	4.8L/5.3L/6.0L	41802
2001-2004	GM	Pickup, Duramax LB7	6.6L	42132
2004-2005	GM	Pickup, Duramax LLY	6.6L	42135
2006-2007	GM	Pickup, Duramax LBZ	6.6L	42142
2007-2008	GM	Pickup, Duramax LMM	6.6L	42172
1993-1996	GM	Diesel Pickup	6.5L	49015
1982-1987	GM	Diesel Pickup	6.2L	49017
1988-1993	GM	Diesel Pickup	6.2L	49019
1982-1988	GM	Class-A MH, Carbureted	7.4L	49055
1987-1996	GM	Class-A MH, TBI	7.4L	49080
1996-2001	GM	Vortec Class-A MH, P-30 chassis	7.4L	49081
1996-2001	GM	Vortec Class-A MH, P-12 chassis	7.4L	49082
2001-2008	GM	Workhorse Class-A MH	8.1L	49194

The Banks Ram-Air Intake includes the following main components: reusable air filter, new air filter enclosure (air filter box on fuel injected vehicles or a modified air cleaner lid on carbureted or TBI vehicles), intake system tubing, and assorted brackets and hardware.

This Executive Order is valid provided that the installation instructions for the Ram-Air Intake will not recommend tuning the vehicle to specifications different from those submitted by the device manufacturer.

Changes made to the design or operating conditions of the Ram-Air Intakes, 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 Ram-Air Intakes 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 Ram-Air Intakes using any identification other than that shown in this Executive Order or marketing of the Ram-Air Intakes 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 Ram-Air Intakes may have on any warranty either expressed or implied by the vehicle manufacturer.

This Executive Order is granted based on submitted emission test data generated on a 2007 model year 5.3L Chevrolet Tahoe, certified to the Low Emission Vehicle II Ultra Low Emission Vehicle (LEV II ULEV) emission standards and modified with the Ram-Air Intake. Test results showed that emission levels, with the Ram-Air Intake installed, met the applicable emission standards when tested using the Cold-Start CVS-75 Federal Test Procedure (FTP) test cycle and the Supplemental Federal Test Procedure (SFTP) test cycle. Examination of the OBD II system showed the Ram-Air Intake did not affect OBD II system operation. Results from emissions testing conducted at Quantum Technologies, Lake Forest, California, are shown below (in grams per mile with deterioration factors applied).

2007 Tahoe	CVS-75 FTP				SFTP US06	
	NMOG	CO	NOx	HCHO	NMHC+NOx	CO
Standards, UL	0.070	2.1	0.04	0.011	0.40	10.5
Device Test	0.042	1.0	0.02	0.000	0.04	0.6

Similar effect on vehicle emissions is expected with the installation of the Ram-Air Intakes on vehicles listed in this Executive Order.

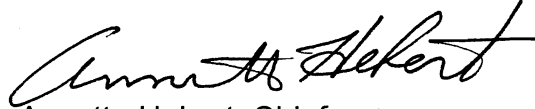
The Air Resources Board reserves the right in the future to review this Executive Order and the exemption provided herein to assure that the exempted add-on or modified part continues to meet the standards and procedures of Title 13, California Code of Regulations, Section 2222, et seq.

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 RAM-AIR INTAKES.

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 30 day of September 2008.



Annette Hebert, Chief
Mobile Source Operations Division