

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER D-471-3

Relating to Exemptions Under Section 27156
of the Vehicle Code

Granatelli Motorsports
Mass Airflow Sensor

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

IT IS ORDERED AND RESOLVED: That the installation of the Mass Airflow Sensor, manufactured and marketed by Granatelli Motorsports, 18551 Topham Street, Suite H, Reseda, California 91335, has been found not to reduce the effectiveness of the applicable vehicle pollution control system and, therefore, is exempt from the prohibitions of Section 27156 of the Vehicle Code for the General Motors and Ford Motor Company vehicles listed in Exhibit A.

The General Motors Mass Air Flow Sensor is designed with three main parts: an inlet tube, the sensor, and an outlet tube. The inlet and outlet tubes have been manufactured out of a high strength plastic. The sensor is a General Motors stock replacement. The sensor fits in the stock location with no modifications to the vehicle's electrical system or intake air system.

The Ford Mass Air Flow Sensor is designed with two main parts: the sensor body and the electronics. The body is manufactured out of a one piece metal casting, and contains an inlet tube, the sensor mounting, and an outlet tube. The electronics are manufactured by Ford Motor Company as a stock replacement. The sensor fits in the stock location with no modifications to the vehicle's electrical system or intake air system.

This Executive Order shall not apply to any Granatelli Motorsports, Inc. Mass Airflow Sensor 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 is valid provided the installation instructions for the Mass Airflow Sensor 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 Mass Airflow Sensor, as exempt by the Air Resources Board, which adversely affect the performance of the vehicle's pollution control system shall invalidate this Executive Order.

Marketing of the Mass Airflow Sensor using any identification other than that shown in this Executive Order or marketing of the Mass Airflow Sensor for an application other than those listed in this Executive Order shall be prohibited unless prior approval is obtained from the Air Resources Board. Exemption of the Mass Airflow Sensor shall not be construed as exemption to sell, offer for sale, or advertise any component of the kit as an individual device.

This Executive Order is granted based on an engineering evaluation and On Board Diagnostic II (OBD II) testing conducted on a 1999 Ford 4.6L truck and a 1998 General Motors 5.3L truck, both certified to the Low Emission Vehicle (LEV) emission standards. An examination of the OBD II system showed that the Mass Airflow Sensor when installed on the vehicles did not affect their ability to perform OBD II monitoring.

However, the ARB finds that reasonable grounds exist to believe that use of the Granatelli Motorsports' Mass Airflow Sensor may adversely affect emissions of motor vehicles when operating under conditions outside the parameters of the previously prescribed test procedures. Accordingly, the ARB reserves the right to conduct additional emission tests, in the future, as such tests are developed, that will more adequately measure emissions from all cycle phases. If such test results demonstrate that the supercharger adversely affects emissions during off-cycle conditions (defined as those conditions which are beyond the parameters of the Cold-Start CVS-75 Federal Test Procedure), this Executive Order shall be effectively rescinded as of the date the test results are validated. Further, if such test results or other evidence provides the ARB with reason to suspect that the supercharger will affect the durability of the emission control systems, Granatelli Motorsports 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 part demonstrates adequate durability.

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

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 GRANATELLI MOTORSPORTS, INC.'S MASS AIRFLOW SENSOR.

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 after hearing that grounds for revocation exist.

Executed at El Monte, California, this 29TH day of October 2002.



Allen Lyons, Chief
Mobile Source Operations Division

Granatelli Motorsports, Inc.**Exhibit A****Chevrolet**

Part Number	Year	Description
350111	1994-97	LT-1 Camaro / Firebird / Corvette
350111-B	1994-97	LT-1 Camaro / Firebird / Corvette - Blue
350111-R	1994-97	LT-1 Camaro / Firebird / Corvette - Red
350112	1997-01	LS1 Camaro / Firebird
350112-B	1997-01	LS1 Camaro / Firebird
350112-R	1997-01	LS1 Camaro / Firebird
350114	1994-96	LT-1 Impala SS
350114-B	1994-96	LT-1 Impala SS - Blue
350114-R	1994-96	LT-1 Impala SS - Red
350113	1996-00	Vortec Truck, 5.0 & 5.7 Liter Engines
350113-B	1996-00	Vortec Truck, 5.0 & 5.7 Liter Engines - Blue
350113-R	1996-00	Vortec Truck, 5.0 & 5.7 Liter Engines - Red
350115	1999-02	LS-1 Truck, 4.8, 5.3, 6.0 Liter Engines & 4.3 in Full Size.
350116	1996-02	Vortec Truck, S-10 body 4.3 Liter Engines
350116-B	1996-02	Vortec Truck, S-10 body 4.3 Liter Engines - Blue
350116-R	1996-02	Vortec Truck, S-10 body 4.3 Liter Engines - Red
350117	1996-00	Vortec Truck, 7.4 Liter Engines
350117-B	1996-00	Vortec Truck, 7.4 Liter Engines - Blue
350117-R	1996-00	Vortec Truck, 7.4 Liter Engines - Red

Ford

Part Number	Year	Description
75935019-00	1988-93	Mustang - 5.0 Liter Engine w/ 19lb. Inj. Black
75935019-01	1988-93	Mustang - 5.0 Liter Engine w/ 19lb. Inj. Chrome
75955019-01	1994-95	Mustang - 5.0 Liter Engine w/ 19lb. Inj. Chrome
80974619-00	1996-97	Mustang - 4.6 Liter Engine w/ 19lb. Inj. 2V Silver
80974624-00	1996-97	Mustang - 4.6 Liter Engine w/ 24lb. Inj. 4V Silver
80984619-00	1998	Mustang - 4.6 Liter Engine w/ 19lb. Inj. 2V Silver
80984624-00	1998	Mustang - 4.6 Liter Engine w/ 24lb. Inj. 4V Silver
80994619-00	1999	Mustang - 4.6 Liter Engine w/ 19lb. Inj. 2V Silver
80994624-00	1999	Mustang - 4.6 Liter Engine w/ 24lb. Inj. 4V Silver
80004619-00	2000-02	Mustang - 4.6 Liter Engine w/ 19lb. Inj. 2V Silver
80004624-00	2000-02	Mustang - 4.6 Liter Engine w/ 24lb. Inj. 4V Silver
60922316-05	1990-92	Ranger - 2.3 liter engine
60942316-05	1993-94	Ranger - 2.3 liter engine
60952316-05	1995	Ranger - 2.3 liter engine
60002316-05	1996-2002	Ranger - 2.3 liter engine
60923016-05	1991-92	Ranger - 3.0 liter engine
60943016-05	1993-94	Ranger - 3.0 liter engine
60963016-05	1995-96	Ranger - 3.0 liter engine
60003016-05	1997-2002	Ranger - 3.0 liter engine
70944019-05	1992-94	Ranger - 4.0 liter engine
70954019-05	1995	Ranger - 4.0 liter engine
70964019-05	1996	Ranger - 4.0 liter engine

Ford - Continued		
Part Number	Year	Description
70004019-05	1997-1998	Ranger - 4.0 liter engine
70004019-05	1999-2002	Ranger - 4.0 liter engine - 6-pin
70954019-04	1991-95	Explorer - 4.0 liter engine
70984019-04	1996-98	Explorer - 4.0 liter engine
70994019-04	1999	Explorer - 4.0 liter engine
70004019-04	2000-2002	Explorer - 4.0 liter engine, Except engine family 2FMXT04.02F8
75975019-04	1996-97	Explorer - 5.0 liter engine
75985019-04	1998	Explorer - 5.0 liter engine
75995019-04	1999	Explorer - 5.0 liter engine
75005019-04	2000-2001	Explorer - 5.0 liter engine
75974619-0	1997	Full Size Trucks/SUV 4.6/5.4 liter engine
75984619-0	1998	Full Size Trucks/SUV 4.6/5.4 liter engine
75004619-0	1999-2002	Full Size Trucks/Expedition 4.6/5.4 liter engine,
		Except engine family 2FMXA05.4HJD
75005419-0	1999-2002	Excursion 5.4 liter engine
75955819-0	1994-95	Full Size Trucks/SUV 5.0/5.8 liter engine
75975819-0	1996-97	Full Size Trucks/SUV 5.0/5.8 liter engine
75005424-0	1999-2000	Lightning Truck w/ Supercharged 5.4 Triton
92015442-0	2001-02	Lightning Truck w/ Supercharged 5.4 Triton
80976819-0	1997	Full Size Trucks - V10
80986819-0	1998	Full Size Trucks - V10
80006819-0	1999-2002	Full Size Trucks/SUV - V10