

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER D-126-16

Relating to Exemptions Under Section 27156
of the California Vehicle Code

General Motors Service Parts Operations
Ecotec Supercharger Upgrade Kit, Stage 1 and Stage 2

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 Ecotec Supercharger Upgrade Kit, Stage 1 and Stage 2, manufactured and marketed by General Motors Service Parts Operations 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 2004 through 2007 model year Chevrolet Cobalt and Saturn Ion vehicles equipped with a supercharged 2.0L engine.

The Ecotec Supercharger Upgrade Kit, Stage 1 includes the following main parts: A set of 5.3 grams/second fuel injectors to replace the stock 4.35 grams/second injectors and a new fuel calibration that is flashed onto the stock ECU by a General Motors dealer. The new fuel calibration has no user adjustments. The Ecotec Supercharger Upgrade Kit, Stage 2, includes all components of Stage 1 and a 77.9 mm diameter supercharger pulley. No changes are made to the stock air box or thermostat. Maximum boost produced by the Stage 2 kit is 14.5 pounds per square inch. Maximum boost pressure produced by the Stage 1 kit is the same as stock (12.5 pounds per square inch).

This Executive Order is valid provided that the installation instructions for the Ecotec Supercharger Upgrade Kit, Stage 1 and Stage 2 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 Ecotec Supercharger Upgrade Kit, Stage 1 and Stage 2, 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 Ecotec Supercharger Upgrade Kit, Stage 1 and Stage 2 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 Ecotec Supercharger Upgrade Kit, Stage 1 and Stage 2 using any identification other than that shown in this Executive Order or marketing of the Ecotec

Supercharger Upgrade Kit, Stage 1 and Stage 2 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 Ecotec Supercharger Upgrade Kit, Stage 1 and Stage 2 may have on any warranty either expressed or implied by the vehicle manufacturer.

This Executive Order is granted based on submitted emissions test data generated on a 2007 model year General Motors 2.0L supercharged Saturn Ion Red Line (test group 7GMXV02.0018), certified to the Low Emission Vehicle (LEV) II LEV emission standards with the Ecotec Supercharger Upgrade Kit, Stage 2 installed. Testing consisted of a Cold-Start CVS-75 Federal Test Procedure (FTP) and the Supplemental Federal Test Procedure (SFTP US06 and SC03) test cycles. Results are in grams per mile with assigned deterioration factors added to CVS-75 FTP results. Emission levels of the modified vehicle met the applicable emission standards.

FTP	CVS-75			
	NMOG	CO	NOx	HCHO
Standard	0.075	3.4	0.05	0.015
w/ Device	0.041	1.2	0.05	0.001

SFTP	US06		SC03	
	NMHC+NOx	CO	NMHC+NOx	CO
Standard	0.14	8.0	0.20	2.7
w/ Device	0.03	2.4	0.03	0.84

This Executive Order is also based on an On-Board Diagnostic II (OBD II) test conducted on the same test vehicle. Test data showed that the Ecotec Supercharger Upgrade Kit, Stage 2 when installed on the vehicle did not affect the ability to perform 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 ECOTEC SUPERCHARGER UPGRADE KIT, STAGE 1 AND STAGE 2.

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 October 2006



Annette Hebert, Chief
Mobile Source Operations Division