

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER D-126-42

Relating to Exemptions Under Section 27156
of the California Vehicle Code

General Motors, LLC
Stage Kit

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-14-012;

IT IS ORDERED AND RESOLVED: That the installation of the Stage Kit, manufactured and marketed by General Motors, LLC, 30003 Van Dyke Avenue, Warren, Michigan 48090, 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 **turbocharged** vehicle applications:

Model Year	Vehicle Name	Engine Displ.	GM P/N Stage Kit
2016 -17	Cadillac CTS V-sport	3.6L	84015419
2016 -17	Cadillac CTS V-sport	3.6L	84015420

The Stage Kit includes the following main parts: ECU upgrade without user adjustments and a catalyst back exhaust system.

This Executive Order is valid provided that the installation instructions for the Stage Kit will not recommend tuning the vehicle to specifications different from those of the kit manufacturer.

Changes made to the design or operating conditions of the Stage Kit, 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 Stage Kit 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 Stage Kit using any identification other than that shown in this Executive Order or marketing of the Stage Kit 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 Stage Kit 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 one test vehicle modified with the Stage Kit. Test results showed that emission levels, with the Stage Kit 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 cycles. Examination of the OBD II system showed that the Stage Kit did not affect OBD II system operation. Results from emissions testing conducted at the General Motor Proving Ground located in Milford, Michigan, are shown below, in grams per mile, with deterioration factors (df) applied to Cold-Start CVS-75 Federal Test Procedure and SFTP modified test results.

2017 model year 3.6L CTS-V

Useful Life FTP Emission Level (w/ df applied)	CVS-75 FTP		
	NMOG+NOx	CO	HCHO
	0.046	0.7	0.001
Standards	0.125	2.1	0.004

Useful Life SFTP Emission Level (Composite w/ df)	NMOG+NOx		CO
	0.044		2.5
Standards	0.120 (BIN)	4.2	

Test results showed that the Stage Kit installed on the vehicle did not cause exhaust emissions to exceed the applicable emission standards during the FTP and SFTP. This Executive Order is also based on the On-Board Diagnostic II (OBD II) testing conducted on the same test vehicle. The Stage Kit when installed on the test vehicle did not affect the vehicle's ability to perform its OBD II monitoring.

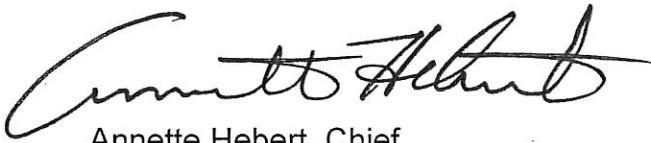
The Air Resources Board reserves the right in the future to review this Executive Order and the exemption provided herein to assure that the exempted add-on or modified part continues to meet the standards and procedures of Title 13, California Code of Regulations, Section 2222, et seq.

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 STAGE KIT.

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 23 day of January 2017.

A handwritten signature in black ink, appearing to read "Annette Hebert", written in a cursive style.

Annette Hebert, Chief
Emissions Compliance, Automotive Regulations and Science Division

