

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER D-161-114

Relating to Exemptions Under Section 27156
of the California Vehicle Code

Gale Banks Engineering
Techni-Cooler

Pursuant to the authority vested in the California 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 Techni-Cooler, 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 2011 to 2016 model year General Motors pickups with a 6.6L diesel engine.

The Techni-Cooler, part number 25988, is a direct fit intercooler with boost tubes. Installation consists of the removal of the existing intercooler and connecting tubes and replacing it with the Gale Banks Engineering's Techni-Cooler. No changes are made to any other component of the stock engine, including engine calibration or boost pressure.

This Executive Order is valid provided that the installation instructions for the Techni-Cooler will not recommend tuning the vehicle to specifications different from those of Gale Banks Engineering.

Changes made to the design or operating conditions of the Techni-Cooler, as exempt by the California Air Resources Board, which adversely affect the performance of the vehicle's pollution control system shall invalidate this Executive Order.

This exemption is issued based on submitted emissions test data from the SEMA Garage located in Diamond Bar, California on a 6.6L 2016 model year Chevy Silverado, certified to the LEV II ULEV emission standards and tested using the Cold-Start CVS-75 Federal Test Procedure (FTP) test cycle.

	CVS-75 FTP				
	NMHC	CO	NOx	HCHO	PM
Useful Life Standards	0.143	6.4	0.2	0.016	0.06
Device w/df	0.067	0.7	0.1	0.000	0.00

Test results showed that the Techni-Cooler when installed on the vehicle, did not cause exhaust emissions to exceed the applicable emission standards during the FTP.

This Executive Order is also based on the On-Board Diagnostic II (OBD II) testing conducted on the same test vehicle. The Techni-Cooler when installed on the test vehicle, did not affect the vehicle's ability to perform its OBD II monitoring. Similar results would be expected when installed on the other vehicles listed.

The California 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 CALIFORNIA AIR RESOURCES BOARD OF ANY CLAIMS OF THE APPLICANT CONCERNING ANTI-POLLUTION BENEFITS OR ANY ALLEGED BENEFITS OF THE TECHNI-COOLER.

No claim of any kind, such as "Approved by the California 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 11 day of October 2018.



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