CALIFORNIA
AIR RESOURCES BOARD

EXECUTIVE ORDER D-553-11

Relating to Exemptions Under Section 27156
of the California Vehicle Code

BD Engine Brake
Screamer Turbocharger

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-19-095;

IT IS ORDERED AND RESOLVED: That the installation of the Screamer Turbocharger, produced and marketed by BD Engine Brake of 33541 MacLure Road, Abbotsford, British Columbia Canada, V2S 7W2, 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 GM 6.6L diesel pickup trucks listed in the attached Exhibit A.

The Screamer Turbocharger is a direct fit turbocharger with increased capacity than the original equipment manufacturer unit.

This Executive Order is valid provided that the installation instructions for the Screamer Turbocharger 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 Screamer Turbocharger, 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 Executive Order shall not apply to any Screamer Turbocharger 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 Screamer Turbocharger using any identification other than that shown in this Executive Order or marketing of the Screamer Turbocharger for an application other than those listed in this Executive Order shall be prohibited unless prior approval is obtained from the California Air Resources Board.

This Executive Order does not constitute any opinion as to the effect the use of the Screamer Turbocharger may have on any warranty, either expressed or implied by the vehicle manufacturer; or compliance with any other state, federal, or local law, such as safety equipment requirements or noise limitations.

This Executive Order is granted based on emission test results in the modified configuration to satisfy the requirements of a prior Executive Order with earlier vehicle coverage, D-553-8. The testing was performed using the Cold-Start CVS-75 Federal Test Procedure, and an examination of the On-Board Diagnostic II (OBD II) systems. A 2015 Chevrolet Silverado 2500 pickup truck equipped with a 6.6L diesel engine (FGMXD06.6355, LEV2 ULEV, GVWR 10,000 lb) was used for the evaluation of the Screamer Turbocharger. Results from emissions testing conducted at the SEMA Garage, Diamond Bar, California, are shown below (in grams per mile with deterioration factors applied):

	NMHC	CO	FTP NOx	PM	HCHO
Device	0.045	0.5	0.19	0.002	0.0013
Standard	0.143	6.4	0.2	0.06	0.016

The emission test results in the modified configuration were below the applicable certification standards. Examination of the OBD II system showed the Screamer Turbocharger does not affect OBD II operation. Therefore, based on the test results, the staff concludes that the Screamer Turbocharger meets the criteria for exempting general criteria parts.

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. Further, if test results or other evidence provides the California Air Resources Board with reason to suspect that the Screamer Turbocharger will affect the durability of emission control systems, BD Engine Brake shall be required to submit durability data to show that the durability of vehicle emission control systems are not, in fact, affected and/or that the add-on or modified part demonstrates adequate durability.

THIS EXECUTIVE ORDER DOES NOT CONSTITUTE A CERTIFICATION, ACCREDITATION, APPROVAL, OR ANY OTHER TYPE OF ENDORSEMENT BY THE CALIFORIA AIR RESOURCES BOARD OF ANY CLAIMS OF THE APPLICANT CONCERNING ANTI-POLLUTION BENEFITS OR ANY ALLEGED BENEFITS OF THE BD ENGINE BRAKE SCREAMER TURBOCHARGER.

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 on this 16th day of June 2022.

Michael J. Rogfa

Allen Lyons, Chief
Emissions Certification and Compliance Division

PN	Make	Model-Year	Model	Engine	Excluded Engine Families
1045830	Chevrolet/ GMC	2011	Silverado/Sierra 2500/3500	6.6L Turbodiesel	BGMXH06.6590
1045830	Chevrolet/ GMC	2012	Silverado/Sierra 2500/3500	6.6L Turbodiesel	CGMXH06.6590
1045830	Chevrolet/ GMC	2013	Silverado/Sierra 2500/3500	6.6L Turbodiesel	DGMXH06.6590
1045830	Chevrolet/ GMC	2014	Silverado/Sierra 2500/3500	6.6L Turbodiesel	DGMXH06.6590, FGMXE06.6590
1045830	Chevrolet/ GMC	2015	Silverado/Sierra 2500/3500	6.6L Turbodiesel	FGMXE06.6590, FGMXH06.6590
1045830	Chevrolet/ GMC	2016	Silverado/Sierra 2500/3500	6.6L Turbodiesel	GGMXH06.6590