CALIFORNIA
AIR RESOURCES BOARD

# EXECUTIVE ORDER D-553-6

Relating to Exemptions Under Section 27156
of the California Vehicle Code

BD Engine Brake
Stock Performance Plus Injectors, and Premium Performance Plus Injectors

Pursuant to the authority vested in the California Air Resources Board (CARB) 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 Stock Performance Plus Injectors, and Premium Performance Plus Injectors, 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 2013-2018 Dodge Ram 2500 6.7L diesel pickup trucks**.**

The Stock Performance Plus Injectors, and Premium Performance Plus Injectors are direct fit fuel injectors with increased capacity than the original equipment manufacturer units, which have been shown to produce a 30 wheel horsepower increase.

This Executive Order is valid provided that the installation instructions for the Stock Performance Plus Injectors, and Premium Performance Plus Injectors 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 Stock Performance Plus Injectors, and Premium Performance Plus Injectors, as exempt by CARB, 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 Stock Performance Plus Injectors, and Premium Performance Plus Injectors 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 Stock Performance Plus Injectors, and Premium Performance Plus Injectors using any identification other than that shown in this Executive Order or marketing of the Stock Performance Plus Injectors, and Premium Performance Plus Injectors for an application other than those listed in this Executive Order shall be prohibited unless prior approval is obtained from CARB.

This Executive Order does not constitute any opinion as to the effect the use of the Stock Performance Plus Injectors, and Premium Performance Plus Injectors may have on any warranty either expressed or implied by the vehicle manufacturer.

This Executive Order is granted based on emission test results in the modified configuration using the Cold-Start CVS-75 Federal Test Procedure, Supplemental Federal Test Procedure (US06 & SC03), and an examination of the On-Board Diagnostic II (OBD II) systems. A 2018 Dodge Ram 2500 pickup truck equipped with a 6.7L diesel engine (JCEXD06.78VV, LEVIII ULEV 250) was used for the evaluation of the Stock Performance Plus Injectors, and Premium Performance Plus Injectors. Results from emissions testing conducted at the SEMA Garage, Diamond Bar, California, are shown below (in grams per mile with deterioration factors applied):

| | FTP | | | | SFTP Composite | |
|---|---|---|---|---|---|---|
| | NMOG+NOx | CO | PM | HCHO | NMOG+NOx | CO |
| Device | 0.191 | 0.1 | 0.005 | 0.0001 | 0.144 | 0.1 |
| Standards | 0.250 | 6.4 | 0.06 | 0.006 | 0.800 | 22.0 |

The emission test results in the modified configuration were below the applicable certification standards. Examination of the OBD II system showed the Stock Performance Plus Injectors, and Premium Performance Plus Injectors do not affect OBD II operation. Therefore, based on the test results, the staff concludes that the Stock Performance Plus Injectors, and Premium Performance Plus Injectors meets the criteria for exempting general criteria parts.

CARB 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 CARB with reason to suspect that the Stock Performance Plus Injectors, and Premium Performance Plus Injectors 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 CARB OF ANY CLAIMS OF THE APPLICANT CONCERNING ANTI-POLLUTION BENEFITS OR ANY ALLEGED BENEFITS OF THE BD ENGINE BRAKE STOCK PERFORMANCE PLUS INJECTORS, AND PREMIUM PERFORMANCE PLUS INJECTORS.

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 Executive Order. The Executive Order may be revoked only after a ten-day written notice of intention to revoke the Executive Order, in which period the holder of the Executive 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 Executive Order may not be revoked until a determination is made after the hearing that grounds for revocation exist.

Executed on this 1st day of July 2021.

Allen Lyons, Chief
Emissions Certification and Compliance Division