CALIFORNIA
AIR RESOURCES BOARD

EXECUTIVE ORDER D-161-129

Relating to Exemptions Under Section 27156
of the California Vehicle Code

Gale Banks Engineering
Derringer Diesel Tuner

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 installation of the Derringer Diesel Tuner, 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 vehicle applications listed in Exhibit A.

The Derringer Diesel Tuner is designed for 2014 to 2018 model year Ram 1500 Pickups and Jeep Grand Cherokees equipped with a 3.0L diesel engine. The kits include an in-line module and wiring harness. The wiring harness uses factory style connectors and is installed between the fuel rail pressure sensor, the exhaust gas temperature sensor, the manifold absolute pressure sensor, and the On-Board Diagnostic II (OBD II) port. The Derringer Diesel Tuner has 6 user selectable power levels that can be selected through an optional 3-position switch or a digital user interface. No end user calibration changes can be made to the Derringer Diesel Tuner. Maximum horsepower gain is around 40 hp.

This Executive Order is valid provided that the installation instructions for the Derringer Diesel Tuner 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 Derringer Diesel Tuner, as exempted 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 Derringer Diesel Tuner 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 Derringer Diesel Tuner using any identification other than those shown in this Executive Order or marketing of the Derringer Diesel Tuner 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 Derringer Diesel Tuner may have on any warranty either expressed or implied by the vehicle manufacturer.

Exemption of the Derringer Diesel Tuner shall not be construed as an exemption to sell, offer for sale, or advertise any component of the assembly as individual devices.

This Executive Order is granted based on submitted emission test data generated on a 2018 model year Dodge Ram, engine test group JCRXT03.05PV, modified with the Derringer Diesel Tuner, set at a level 6 (Sport Mode). Test results showed that emission levels, with the Derringer Diesel Tuner installed, were below the emission standards when tested using Cold-Start CVS-75 Federal Test Procedure and the Supplemental Federal Test Procedure (US06/SC03) test cycles. Results from emission testing conducted at the SEMA Garage, Diamond Bar, California, are shown below, in grams per mile with deterioration factors (df) applied. Horsepower gain was measured at 40.

FTP (grams/mile) Useful Life (UL) **Standards**					US06 (4K)		SC03 (4K)		Composite Standard (UL)
NMHC	CO	NOx	HCHO	PM	NMHC+NOx	CO	NMHC+NOx	CO	NMHC+NOx
0.090	4.2	0.07	0.018	0.01	0.60	11.8	0.44	4.0	0.140 (BIN)

FTP (grams/mile) Useful Life (UL) **Device**					US06 (4K)		SC03 (4K)		Composite Standard (UL)
NMHC	CO	NOx	HCHO	PM	NMHC+NOx	CO	NMHC+NOx	CO	NMHC+NOx
0.063	0.4	0.05	0.003	0.00	0.03	0.0	0.03	0.0	0.090

Examination of the OBD II system showed the Derringer Diesel Tuner does not affect OBD II system operation.

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 DERRINGER DIESEL TUNER.

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 3RD day of March 2020.

Allen Lyons, Chief
Emissions Certification and Compliance Division

Exhibit A

Module Part Numbers	System Part Numbers	Product Description	Make	Model	Engine	Model Year
61312-30, 61313-30	66526	Bullet	Ram	1500	3.0L Turbo Diesel	2014-2016
61312-30, 61313-30	66527	Bullet	Jeep	Grand Cherokee	3.0L Turbo Diesel	2014-2015
61312-30, 61313-30	66541, 66571, 66581, 66581-DL, 66641, 66671, 66681, 66781, 66794	Derringer	Ram	1500	3.0L Turbo Diesel	2014-2017
61312-30, 61313-30	66541, 66571, 66581, 66641, 66671, 66681, 66781, 66794	Derringer	Ram	1500	3.0L Turbo Diesel	2018
61312-30, 61313-30	66541, 66572, 66581, 66641, 66672, 66681, 66781, 66794	Derringer	Jeep	Grand Cherokee	3.0L Turbo Diesel	2014-2017
61312-30, 61313-30	66541, 66641	Derringer	Jeep	Grand Cherokee	3.0L Turbo Diesel	2018