



## EXECUTIVE ORDER D-802-9

### Relating to Exemptions Under Section 27156 of the California Vehicle Code

Powerteq  
Pulsar  
Part Number 22400

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 Pulsar, manufactured by Powerteq, 1080 South Depot Drive Ogden, Utah 84404, and marketed by its subsidiaries DiabloSport, Edge Products, and Superchips 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 2017 to 2019 GM 6.6L MDVs.

The Pulsar is an in line tuner that connects between the stock ECU and two of the wire harnesses that connect to the ECU. The Pulsar modifies sensor signals to increase engine performance. The user can select between five performance levels (Economy, Tow, Drive, Performance, and Extreme) through the use of the RES+ and SET- buttons for cruise control on the steering wheel. Vehicle speed displayed on the instrumentation cluster can be adjusted to correct for larger tires. The stock ECU is not reprogrammed.

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

Exemption of the Pulsar 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 information submitted by Powerteq, including emissions test data.

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 PULSAR.**

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 13<sup>TH</sup> day of February 2020.



Allen Lyons, Chief  
Emissions Certification and Compliance Division

EVALUATION SUMMARYManufacturer Name: PowerteqName of Device: PulsarBackground:

Powerteq of 1080 South Depot Drive Ogden, Utah 84404, has applied for an exemption from the prohibitions in Section 27156 of the California Vehicle Code (VC) for its Pulsar designed for installation on following vehicles listed in Executive Order.

Recommendation:

Grant exemption to Powerteq as requested, and issue Executive Order D-802-9.

Device Description:

The Pulsar is an in line tuner that connects between the stock ECU and two of the wire harnesses that connect to the ECU. The Pulsar modifies sensor signals to increase engine performance. The user can select between five performance levels (Economy, Tow, Drive, Performance, and Extreme) through the use of the RES+ and SET- buttons for cruise control on the steering wheel. Vehicle speed displayed on the instrumentation cluster can be adjusted to correct for larger tires. The stock ECU is not reprogrammed.

Discussion/Basis for the Recommendation:

To demonstrate the emissions impact of the Pulsar, Powerteq conducted emissions testing on a 2019 model year Chevrolet Silverado 2500 (KGMXD06.6375, LEV3 ULEV250, MDV), modified with the Pulsar and set to the Extreme level for the FTP and SFTP testing and to the Economy level for the HWFET. Results from emission testing conducted at the SEMA Garage, Diamond Bar, California, are shown below, in grams per mile, with deterioration factors (df) applied.

	CVS-75				SFTP Composite			HWFET
	NMHC+NOx	CO	HCHO	PM	NMHC+NOx	CO	PM	NMHC+NOx
Standards	0.250	6.4	0.006	0.008	0.800	22.0	0.010	0.250
Device	0.153	0.4	0.001	0.000	0.152	0.3	0.001	0.057

The emission test results in the modified configuration met the applicable certification standards. Examination of the OBD II system showed the Pulsar did not affect OBD II system operation. A similar effect on vehicle emissions and OBD II monitoring is expected with the installation of Pulsar on the other vehicles listed in this Executive Order.

Powerteq's Pulsar meets the criteria for exempting general criteria parts for those vehicles listed in the Executive Order.