



EXECUTIVE ORDER D-231-51

Relating to Exemptions Under Section 27156
of the California Vehicle Code

Whipple Industries, Inc.
Whipple Supercharger

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 Whipple Supercharger, manufactured and marketed by Whipple Industries, Inc., 3292 North Weber, Fresno, California 93722, 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 following Chrysler/Dodge/Jeep vehicles listed in Exhibit A.

The Whipple Supercharger consists of the following main components: Twin screw supercharger, intercooler, new air box with conical element (optional), MAP sensor, air intake tubing, intake manifold, bypass valve, high flow injectors, thermostat housing, boost-a-pump, and reflashed ECM. Boost is limited to 10 pounds per square inch. Installation would not require any modification to the stock coolant thermostat or throttlebody. All supplied fuel hoses are Avon's CADbar 9000 series, and fuel and vapor line connectors supplied with the kit are OEM – equivalent parts. Breather hoses may be replaced with an SAE30R9 rated hose.

This Executive Order is valid provided that the installation instructions for the Whipple Supercharger will not recommend tuning the vehicle to specifications different from those submitted by the device manufacturer.

Changes made to the design or operating conditions of the Whipple Supercharger, 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 Whipple Supercharger 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 Whipple Supercharger using any identification other than that shown in this Executive Order or marketing of the Whipple Supercharger 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 Whipple Supercharger may have on any warranty either expressed or implied by the vehicle manufacturer.

This Executive Order is granted based on prior submitted Federal Test Procedure (FTP) and Supplemental Federal Test Procedure (SFTP) emissions test data on a 2012 model year Dodge Challenger (Test Group CCRXV05.7UP0) certified to the Low Emission Vehicle II Ultra Low Emission Vehicle (LEV II ULEV). The exhaust emission measurements are as follows:

Federal Test Procedure:

	<u>NMOG</u>	<u>CO</u>	<u>NOX</u>	<u>HCHO</u>
Standards (g/mi) UL	0.070	2.1	0.04	0.011
Device (g/mi) with df's applied	0.061	0.8	0.03	0.002

SFTP (US06 Cycle):

	<u>NMHC+NOX</u>	<u>CO</u>
Standards (g/mi)	0.14	8.0
Device (g/mi)	0.07	0.5

SFTP (SC03 Alternative AC2 Cycle):

	<u>NMHC+NOX</u>	<u>CO</u>
Standards (g/mi)	0.20	2.7
Device (g/mi) +20%	0.04	0.3

Raw data generated on the 2012 model year Challenger was recalculated to be evaluated against the 2018 emission standards for the same vehicle.

Useful Life FTP Emission Level (w/ df applied)	NMOG+NOx	CO	HCHO
	0.092	0.8	0.002
Standards	0.110	2.1	0.004

Useful Life SFTP Emission Level (Composite w/ df)	NMHC+NOx
	0.067
Standards	0.110

The test results show that the Whipple Supercharger when installed on a representative vehicle will not likely cause exhaust emissions to exceed the applicable emission standards. This Executive Order is also based on specific On-Board Diagnostic II (OBD II) testing conducted on the modified test vehicle. The Whipple Supercharger 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.

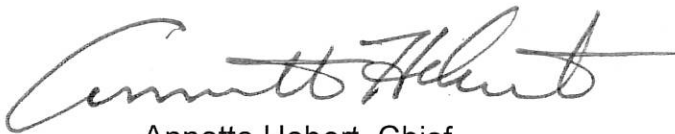
The California Air Resources Board reserves the right in the future to review this Executive Order and the exemption provided herein to assure that the exempted add-on or modified part continues to meet the standards and procedures of Title 13, California Code of Regulations, Section 2222, et seq.

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 WHIPPLE SUPERCHARGER.

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 31 day of January 2018.



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

Exhibit A

WHIPPLE PART #	YEARS	MAKE	ENGINE (LITER)	MAX BOOST PSI	SC DISP.	SC PULLEY
WK-3000 Series	2008-2018	Dodge Challenger	5.7	10	2.3	3.000
WK-3000 Series	2008-2018	Dodge Challenger	5.7	10	2.3	3.125
WK-3000 Series	2008-2018	Dodge Challenger	5.7	10	2.3	3.250
WK-3000 Series	2008-2018	Dodge Challenger	5.7	10	2.3	3.375
WK-3000 Series	2008-2018	Dodge Challenger	5.7	10	2.3	3.500
WK-3000 Series	2008-2018	Dodge Challenger	5.7	10	2.9	3.250
WK-3000 Series	2008-2018	Dodge Challenger	5.7	10	2.9	3.375
WK-3000 Series	2008-2018	Dodge Challenger	5.7	10	2.9	3.500
WK-3000 Series	2008-2018	Dodge Challenger	5.7	10	2.9	3.625
WK-3000 Series	2008-2018	Dodge Challenger	5.7	10	2.9	3.750
WK-3000 Series	2008-2018	Dodge Challenger	6.1	10	2.9	3.125
WK-3000 Series	2008-2018	Dodge Challenger	6.1	10	2.9	3.250
WK-3000 Series	2008-2018	Dodge Challenger	6.1	10	2.9	3.375
WK-3000 Series	2008-2018	Dodge Challenger	6.1	10	2.9	3.500
WK-3000 Series	2008-2018	Dodge Challenger	6.1	10	2.9	3.625
WK-3000 Series	2011-2018	Dodge Challenger	6.4	10	2.9	3.125
WK-3000 Series	2011-2018	Dodge Challenger	6.4	10	2.9	3.250
WK-3000 Series	2011-2018	Dodge Challenger	6.4	10	2.9	3.375
WK-3000 Series	2011-2018	Dodge Challenger	6.4	10	2.9	3.500
WK-3000 Series	2011-2018	Dodge Challenger	6.4	10	2.9	3.625
WK-3000 Series	2006-2018	Dodge Charger	5.7	10	2.3	3.000
WK-3000 Series	2006-2018	Dodge Charger	5.7	10	2.3	3.125
WK-3000 Series	2006-2018	Dodge Charger	5.7	10	2.3	3.250
WK-3000 Series	2006-2018	Dodge Charger	5.7	10	2.3	3.375
WK-3000 Series	2006-2018	Dodge Charger	5.7	10	2.3	3.500
WK-3000 Series	2006-2018	Dodge Charger	5.7	10	2.9	3.250
WK-3000 Series	2006-2018	Dodge Charger	5.7	10	2.9	3.375
WK-3000 Series	2006-2018	Dodge Charger	5.7	10	2.9	3.500
WK-3000 Series	2006-2018	Dodge Charger	5.7	10	2.9	3.625
WK-3000 Series	2006-2018	Dodge Charger	5.7	10	2.9	3.750
WK-3000 Series	2006-2010	Dodge Charger	6.1	10	2.9	3.125
WK-3000 Series	2006-2010	Dodge Charger	6.1	10	2.9	3.250
WK-3000 Series	2006-2010	Dodge Charger	6.1	10	2.9	3.375
WK-3000 Series	2006-2010	Dodge Charger	6.1	10	2.9	3.500
WK-3000 Series	2006-2010	Dodge Charger	6.1	10	2.9	3.625
WK-3000 Series	2011-2018	Dodge Charger	6.4	10	2.9	3.125
WK-3000 Series	2011-2018	Dodge Charger	6.4	10	2.9	3.250
WK-3000 Series	2011-2018	Dodge Charger	6.4	10	2.9	3.375
WK-3000 Series	2011-2018	Dodge Charger	6.4	10	2.9	3.500
WK-3000 Series	2011-2018	Dodge Charger	6.4	10	2.9	3.625
WK-3000 Series	2005-2008	Dodge Magnum	5.7	10	2.3	3.125
WK-3000 Series	2005-2008	Dodge Magnum	5.7	10	2.3	3.250
WK-3000 Series	2005-2008	Dodge Magnum	5.7	10	2.3	3.375
WK-3000 Series	2005-2008	Dodge Magnum	5.7	10	2.3	3.500
WK-3000 Series	2005-2008	Dodge Magnum	5.7	10	2.9	3.750
WK-3000 Series	2005-2008	Dodge Magnum	5.7	10	2.9	3.250
WK-3000 Series	2005-2008	Dodge Magnum	5.7	10	2.9	3.375
WK-3000 Series	2005-2008	Dodge Magnum	5.7	10	2.9	3.500
WK-3000 Series	2005-2008	Dodge Magnum	5.7	10	2.9	3.625
WK-3000 Series	2005-2008	Dodge Magnum	5.7	10	2.9	3.750
WK-3000 Series	2005-2008	Dodge Magnum	6.1	10	2.9	3.125
WK-3000 Series	2005-2008	Dodge Magnum	6.1	10	2.9	3.250
WK-3000 Series	2005-2008	Dodge Magnum	6.1	10	2.9	3.375

WHIPPLE INDUSTRIES, INC. - WHIPPLE SUPERCHARGER - D-231-51

Exhibit A

WHIPPLE PART #	YEARS	MAKE	ENGINE (LITER)	MAX BOOST PSI	SC DISP.	SC PULLEY
WK-3000 Series	2005-2008	Dodge Magnum	6.1	10	2.9	3.500
WK-3000 Series	2005-2008	Dodge Magnum	6.1	10	2.9	3.625
WK-3000 Series	2005-2018	Chrysler 300	5.7	10	2.3	3.125
WK-3000 Series	2005-2018	Chrysler 300	5.7	10	2.3	3.250
WK-3000 Series	2005-2018	Chrysler 300	5.7	10	2.3	3.375
WK-3000 Series	2005-2018	Chrysler 300	5.7	10	2.3	3.500
WK-3000 Series	2005-2018	Chrysler 300	5.7	10	2.9	3.750
WK-3000 Series	2005-2018	Chrysler 300	5.7	10	2.9	3.250
WK-3000 Series	2005-2018	Chrysler 300	5.7	10	2.9	3.375
WK-3000 Series	2005-2018	Chrysler 300	5.7	10	2.9	3.500
WK-3000 Series	2005-2018	Chrysler 300	5.7	10	2.9	3.625
WK-3000 Series	2005-2018	Chrysler 300	5.7	10	2.9	3.750
WK-3000 Series	2005-2010	Chrysler 300	6.1	10	2.9	3.125
WK-3000 Series	2005-2010	Chrysler 300	6.1	10	2.9	3.250
WK-3000 Series	2005-2010	Chrysler 300	6.1	10	2.9	3.375
WK-3000 Series	2005-2010	Chrysler 300	6.1	10	2.9	3.500
WK-3000 Series	2005-2010	Chrysler 300	6.1	10	2.9	3.625
WK-3000 Series	2011-2018	Chrysler 300	6.4	10	2.9	3.125
WK-3000 Series	2011-2018	Chrysler 300	6.4	10	2.9	3.250
WK-3000 Series	2011-2018	Chrysler 300	6.4	10	2.9	3.375
WK-3000 Series	2011-2018	Chrysler 300	6.4	10	2.9	3.500
WK-3000 Series	2011-2018	Chrysler 300	6.4	10	2.9	3.625
WK-3000 Series	2005-2018	Jeep Grand Cherokee	5.7	10	2.3	3.125
WK-3000 Series	2005-2018	Jeep Grand Cherokee	5.7	10	2.3	3.250
WK-3000 Series	2005-2018	Jeep Grand Cherokee	5.7	10	2.3	3.375
WK-3000 Series	2005-2018	Jeep Grand Cherokee	5.7	10	2.3	3.500
WK-3000 Series	2005-2018	Jeep Grand Cherokee	5.7	10	2.9	3.750
WK-3000 Series	2005-2018	Jeep Grand Cherokee	5.7	10	2.9	3.250
WK-3000 Series	2005-2018	Jeep Grand Cherokee	5.7	10	2.9	3.375
WK-3000 Series	2005-2018	Jeep Grand Cherokee	5.7	10	2.9	3.500
WK-3000 Series	2005-2018	Jeep Grand Cherokee	5.7	10	2.9	3.625
WK-3000 Series	2005-2018	Jeep Grand Cherokee	5.7	10	2.9	3.750
WK-3000 Series	2006-2010	Jeep Grand Cherokee	6.1	10	2.9	3.125
WK-3000 Series	2006-2010	Jeep Grand Cherokee	6.1	10	2.9	3.250
WK-3000 Series	2006-2010	Jeep Grand Cherokee	6.1	10	2.9	3.375
WK-3000 Series	2006-2010	Jeep Grand Cherokee	6.1	10	2.9	3.500
WK-3000 Series	2006-2010	Jeep Grand Cherokee	6.1	10	2.9	3.625
WK-3000 Series	2011-2018	Jeep Grand Cherokee	6.4	10	2.9	3.125
WK-3000 Series	2011-2018	Jeep Grand Cherokee	6.4	10	2.9	3.250
WK-3000 Series	2011-2018	Jeep Grand Cherokee	6.4	10	2.9	3.375
WK-3000 Series	2011-2018	Jeep Grand Cherokee	6.4	10	2.9	3.500
WK-3000 Series	2011-2018	Jeep Grand Cherokee	6.4	10	2.9	3.625
WK-3000 Series	2002-2018	Dodge Ram Truck	5.7	10	2.3	3.125
WK-3000 Series	2002-2018	Dodge Ram Truck	5.7	10	2.3	3.250
WK-3000 Series	2002-2018	Dodge Ram Truck	5.7	10	2.3	3.375
WK-3000 Series	2002-2018	Dodge Ram Truck	5.7	10	2.3	3.500
WK-3000 Series	2002-2018	Dodge Ram Truck	5.7	10	2.9	3.750
WK-3000 Series	2002-2018	Dodge Ram Truck	5.7	10	2.9	3.250
WK-3000 Series	2002-2018	Dodge Ram Truck	5.7	10	2.9	3.375
WK-3000 Series	2002-2018	Dodge Ram Truck	5.7	10	2.9	3.500
WK-3000 Series	2002-2018	Dodge Ram Truck	5.7	10	2.9	3.625
WK-3000 Series	2002-2018	Dodge Ram Truck	5.7	10	2.9	3.750
WK-3000 Series	2014-2018	Dodge Ram Truck	6.4	10	2.9	3.125

Exhibit A

WHIPPLE PART #	YEARS	MAKE	ENGINE (LITER)	MAX BOOST PSI	SC DISP.	SC PULLEY
WK-3000 Series	2014-2018	Dodge Ram Truck	6.4	10	2.9	3.250
WK-3000 Series	2014-2018	Dodge Ram Truck	6.4	10	2.9	3.375
WK-3000 Series	2014-2018	Dodge Ram Truck	6.4	10	2.9	3.500
WK-3000 Series	2014-2018	Dodge Ram Truck	6.4	10	2.9	3.625
WK-3000 Series	2011-2018	Dodge Durango	5.7	10	2.9	3.250
WK-3000 Series	2011-2018	Dodge Durango	5.7	10	2.9	3.375
WK-3000 Series	2011-2018	Dodge Durango	5.7	10	2.9	3.500
WK-3000 Series	2011-2018	Dodge Durango	5.7	10	2.9	3.625
WK-3000 Series	2011-2018	Dodge Durango	5.7	10	2.9	3.750
WK-3000 Series	2018	Dodge Durango	6.4	10	2.9	3.250
WK-3000 Series	2018	Dodge Durango	6.4	10	2.9	3.375
WK-3000 Series	2018	Dodge Durango	6.4	10	2.9	3.500
WK-3000 Series	2012-2017	Jeep Wrangler	3.6	10	1.6	2.750
WK-3000 Series	2012-2017	Jeep Wrangler	3.6	10	1.6	3.000
WK-3000 Series	2012-2017	Jeep Wrangler	3.6	10	1.6	3.250
WK-3000 Series	2012-2017	Jeep Wrangler	3.6	10	1.6	3.500
WK-3000 Series	2012-2017	Jeep Wrangler	3.6	10	1.6	3.750
Car Mfg's: Dodge, Chrysler, Jeep						

