

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER D-231-9
Relating to Exemptions Under Section 27156
of the Vehicle Code

WHIPPLE INDUSTRIES, INC.
8 PSI. WHIPPLECHARGER

Pursuant to the authority vested in the 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-45-9;

IT IS ORDERED AND RESOLVED: That the installation of the WhippleCharger, manufactured and marketed by Whipple Industries, Inc., 3292 N. Weber Street, Fresno, California, 93722 has been found not to reduce the effectiveness of the applicable vehicle pollution control system and, therefore, is exempt from the prohibitions of Section 27156 of the Vehicle Code for the following General Motors applications as listed in Exhibit A, which is attached hereto and incorporated herein.

The WhippleCharger kit includes the following main components: Twin Screw supercharger, auxiliary fuel pump, closed element air cleaner, and new PROM chip on those with removable PROMs.

The following modifications to the original equipment emission control systems are allowed: The original heated air intake system is removed and cold-start emission problems are avoided by heated coolant water flowing through the throttle-body adapter.

This Executive Order is valid provided that the installation instructions for the supercharger 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 supercharger, as exempt by the Air Resources Board, which adversely affect the performance of the vehicle's pollution control system shall invalidate this Executive Order.

Marketing of the supercharger using any identification other than that shown in this Executive Order or marketing of the supercharger for an application other than those listed in this Executive Order shall be prohibited unless prior approval is obtained from the Air Resources Board. Exemption of the supercharger shall not be construed as exemption to sell, offer for sale, or advertise any component of the kit as an individual device.

This Executive Order does not constitute any opinion as to the effect the use of the supercharger may have on any warranty either expressed or implied by the vehicle manufacturer.

This Executive Order is granted based on comparative intake manifold air pressure that was recorded during a Hot-Start 505 LA4 drive cycle in the baseline and modified configuration. Test data showed that the Whipple supercharger did not operate during the Hot-Start 505 drive cycle and thus could not affect the emissions of the vehicle. However, the ARB finds that reasonable grounds exist to believe that use of the Whipple supercharger may adversely affect emissions of motor vehicles when operating under conditions outside the parameters of the previously prescribed test procedures. Accordingly, the ARB reserves the right to conduct additional emission tests, in the future, as such tests are developed, that will more adequately measure emissions from all cycle phases. If such test results demonstrate that the supercharger adversely affects emissions during off-cycle conditions (defined as those conditions which are beyond the parameters of the Cold-Start CVS-75 Federal Test Procedure), this Executive Order shall be effectively rescinded as of the date the test results are validated. Further, if such test results or other evidence provides the ARB with reason to suspect that the supercharger will affect the durability of the emission control systems,

Whipple shall be required to submit durability data to show that the durability of the vehicle emission control system is not, in fact, affected and/or that the add-on or modified part demonstrates adequate durability.

In addition to the foregoing, the ARB 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 AIR RESOURCES BOARD OF ANY CLAIMS OF THE APPLICANT CONCERNING ANTI-POLLUTION BENEFITS OR ANY ALLEGED BENEFITS OF WHIPPLE INDUSTRIES, INC.'S WHIPPLECHARGER.

No claim of any kind, such as "Approved by the 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 after hearing that grounds for revocation exist.

Executed at El Monte, California, this 26th day of September 1996.

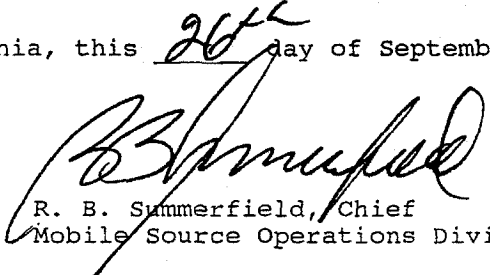

R. B. Summerfield, Chief
Mobile Source Operations Division

Exhibit A

<u>Year</u>	<u>Engine</u>	<u>Body (2/4wd)</u>	<u>Kit #s</u>	<u>Pulley Diameter</u>
1993-95	4.3L	S-10	WIK4100, 4100-1	79mm*
1993-95	4.3L	C/K 1500/2500	WIK4101, 4101-1	79mm*
1993-95	5.0L	C/K 1500/2500	WIK5100, 5101	60mm*
			WIK5100-1, 5101-1	60mm*
1996	5.0L	C/K 1500/2500/3500	WIK5302, 5302P	73mm
			WIK5302-1, 5302P-1	70mm
1995/96	5.7L	AM General Hummer	WIK5200, 5200-1	63mm
1993-95	5.7L	C/K 1500/2500	WIK5300, 5300-1	63mm
1993-95	5.7L	C/K 2500/3500	WIK5301, 5301-1	63mm
1996	5.7L	C/K 1500/2500/3500	WIK5303, 5303P,	70mm
			WIK5303-1, 5303P-1	66mm
1991-93	7.4L	C1500 SS	WIK7100, 7100-1	57mm
1991-93	7.4L	K2500/3500	WIK7101, 7101-1	57mm
1991-93	7.4L	C2500/3500	WIK7105, 7105-1	57mm
1991-93	7.4L	Motorhome	WIK7102, 7102-1	57mm
1994/95	7.4L	C/K 2500/3500	WIK7103, 7103-1	57mm
1994/95	7.4L	Motorhome	WIK7104, 7104-1	57mm
1996	7.4L	C/K 2500/3500, Motorhomes	WIK7106, 7106P, WIK7106-1, 7106P-1	60mm 57mm
1993-95	5.7L	Camaro/Firebird	WIK5700, 5700P WIK5700-1, 5700P-1	60mm 57mm
1992-95	5.7L	Corvette	WIK5701, 5701P WIK5701-1, 5701P-1	60mm 57mm
1993-95	5.7L	Impala, Caprice, Road Master Deville (LT1)	WIK5702, 5702P WIK5702-1, 5702P-1	60mm 57mm

* May require the use of a 139.7 mm diameter supplemental crankshaft pulley