State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER D-231-26

Relating to Exemptions Under Section 27156
of the California Vehicle Code

Whipple Industries, Inc.
Whipple Supercharger and Pulley Kits

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-02-003;

IT IS ORDERED AND RESOLVED: That the installation of the Whipple Supercharger and Pulley Kits, produced and marketed by Whipple Industries, Inc. of 3292 N. 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 2007 to 2008 model year 5.4L Shelby GT500 and 2005 to 2006 model year Ford Supercharged GT as listed in Exhibit A.

The Whipple Supercharger Kit, part numbers WIK-5.4L-4VGT and WIK-5.4L-4VGT500, is a replacement supercharger for vehicles originally equipped with a stock supercharger. The kit includes a twin screw Whipple, new open element air filter with intake air tubing, 105mm mass air flow sensor, and a new ECM calibration. Maximum boost produced by the supercharger is around 16 pounds per square inch. No changes are made to the stock throttlebody or radiator thermostat and installation would not require any modification to any fuel or emission related tubing. Supercharger is designed to be a direct bolt-on replacement to the stock supercharger.

The Whipple Pulley Kits, part numbers WIK-5.4L-4VPGT and WIK-5.4L-4VPGT500, utilize the stock supercharger and include a different size supercharger pulley, 105mm mass air flow sensor, new ECM calibration, and a new open element air filter with intake air tubing. Boost is increased to around 16 pounds per square inch.

The new ECM calibration and/or programmer for both kits does not have any emission related user adjustments nor does it have capability to allow the user to upload new fuel and timing maps.

This Executive Order is valid provided that the installation instructions for the Whipple Supercharger and Pulley Kits 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 Whipple Supercharger and Pulley Kits, as exempt by the 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 and Pulley Kits 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 and Pulley Kits using any identification other than that shown in this Executive Order or marketing of the Whipple Supercharger and Pulley Kits for an application other than those listed in this Executive Order shall be prohibited unless prior approval is obtained from the Air Resources Board.

This Executive Order does not constitute any opinion as to the effect the use of the Whipple Supercharger and Pulley Kits units may have on any warranty either expressed or implied by the vehicle manufacturer.

This Executive Order is granted based on submitted emission test data generated on a 2007 model year 5.4L Ford Shelby GT500 certified to the Low Emission Vehicle II Low Emission Vehicle (LEV II LEV) emission standards and modified with the replacement Whipple Supercharger Kit, part number WIK-5.4L-4VGT500 using the 2.3L compressor and the 2.625 inch diameter supercharger pulley. Test results on the Shelby GT500 showed that emission levels, with Whipple Industries, Inc.'s Whipple Supercharger installed, met the applicable emission standards when tested using the Cold-Start CVS-75 Federal Test Procedure (FTP) and the Supplemental Federal Test Procedure (SFTP US06/SC03) test cycles. Boost pressure was measured at 16 pounds per square inch, stock is rated at 9 pounds per square inch. Examination of the OBD II system showed the Whipple Supercharger did not affect OBD II system operation. Results from emission testing conducted at the Roush Emissions Laboratory, Livonia, Michigan are listed below with deterioration factors applied.

2007 model year Ford Shelby GT500	CVS-75 FTP			
	NMOG	CO	NOx	HCHO
Standards	0.075	3.4	0.05	0.015
Device Test	0.041	0.7	0.05	0.001

	US06/SC03	
	NMHC+NOx	CO
Standards 4k	0.14/0.20	8.0/2.7
Device	0.03/0.01	1.3/0.6

The 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 AIR RESOURCES BOARD OF ANY CLAIMS OF THE APPLICANT CONCERNING ANTI-POLLUTION BENEFITS OR ANY ALLEGED BENEFITS OF WHIPPLE INDUSTRIES, INC.'S WHIPPLE SUPERCHARGER AND PULLEY KITS.

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 is made after the hearing that grounds for revocation exist.

Executed at El Monte, California, this 31 day of August 2007.

Annette Hebert, Chief
Mobile Source Operations Division

Exhibit A

YEARS	MAKE	WHIPPLE KIT #	ENGINE (LITER)	MAX BOOST PSI	COMPRESSOR SIZE	CRANK PULLEY SIZE	SC PULLEY
2005-2006	Ford GT	WIK-5.4L-4VGT	5.4L	15	3.3L	6.500	3.500
2005-2006	Ford GT	WIK-5.4L-4VGT	5.4L	15	3.3L	6.500	3.750
2005-2006	Ford GT	WIK-5.4L-4VPGT	5.4L	16	2.3L	6.500	2.780
2005-2006	Ford GT	WIK-5.4L-4VPGT	5.4L	15	2.3L	6.500	2.870
2007-2008	Shelby GT500	WIK-5.4L-4VPGT500	5.4L	15	2.1L	7.500	2.625
2007-2008	Shelby GT500	WIK-5.4L-4VPGT500	5.4L	15	2.1L	7.500	2.750
2007-2008	Shelby GT500	WIK-5.4L-4VGT500	5.4L	15	2.3L	7.500	2.625
2007-2008	Shelby GT500	WIK-5.4L-4VGT500	5.4L	15	2.3L	7.500	2.750
2007-2008	Shelby GT500	WIK-5.4L-4VGT500	5.4L	15	2.3L	7.500	2.875
2007-2008	Shelby GT500	WIK-5.4L-4VGT500	5.4L	15	2.3L	7.500	3.000
2007-2008	Shelby GT500	WIK-5.4L-4VGT500	5.4L	15	2.9L	7.500	2.625
2007-2008	Shelby GT500	WIK-5.4L-4VGT500	5.4L	15	2.9L	7.500	2.750
2007-2008	Shelby GT500	WIK-5.4L-4VGT500	5.4L	15	2.9L	7.500	2.875
2007-2008	Shelby GT500	WIK-5.4L-4VGT500	5.4L	15	2.9L	7.500	3.000
2007-2008	Shelby GT500	WIK-5.4L-4VGT500	5.4L	15	2.9L	7.500	3.125
2007-2008	Shelby GT500	WIK-5.4L-4VGT500	5.4L	15	2.9L	7.500	3.250
2007-2008	Shelby GT500	WIK-5.4L-4VGT500	5.4L	15	2.9L	7.500	3.375
2007-2008	Shelby GT500	WIK-5.4L-4VGT500	5.4L	15	2.9L	7.500	3.500
2007-2008	Shelby GT500	WIK-5.4L-4VGT500	5.4L	15	3.3L	7.500	3.000
2007-2008	Shelby GT500	WIK-5.4L-4VGT500	5.4L	15	3.3L	7.500	3.250
2007-2008	Shelby GT500	WIK-5.4L-4VGT500	5.4L	15	3.3L	7.500	3.500
2007-2008	Shelby GT500	WIK-5.4L-4VGT500	5.4L	15	3.3L	7.500	3.750
2007-2008	Shelby GT500	WIK-5.4L-4VGT500	5.4L	15	3.3L	7.500	4.000