

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER D-231-50

Relating to Exemptions Under Section 27156
of the California Vehicle Code

Whipple Industries, Inc.
EcoBoost Upgrade Kit

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-14-012;

IT IS ORDERED AND RESOLVED: That the installation of the EcoBoost Upgrade Kit, 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 Ford vehicles:

Model Year	Vehicle	Engine Displacement	Whipple PN
2011-2017	Ford F150	3.5L	EB-8000 Series
2011-2015	Ford Explorer	2.0L	EB-8000 Series
2013-2017	Ford Explorer	3.5L	EB-8000 Series
2013-2017	Ford Flex	3.5L	EB-8000 Series
2015-2017	Ford Mustang	2.3L	EB-8000 Series
2015-2017	Ford Expedition	3.5L	EB-8000 Series
2015-2017	Lincoln Navigator	3.5L	EB-8000 Series
2015-2017	Ford F150	2.7L	EB-8000 Series
2015	Lincoln MKC	2.3L	EB-8000 Series
2016	Ford Explorer	2.3L	EB-8000 Series
2017	Ford Raptor	3.5L	EB-8000 Series
2017	Ford Focus RS	2.3L	EB-8000 Series

The EcoBoost Upgrade Kit includes the following main components: New air box and lid with conical air filter, intake air tubing, new intercooler, and a new electronic control unit calibration with no user adjustments. The stock manifold air pressure sensor is retained in its stock location and orientation. **Installation of the EcoBoost Upgrade Kit requires the removal of the stock air filter housing, if the stock air filter housing contains the vehicle's tune-up & emissions control decal, a replacement decal must be placed in a similar location.**

This Executive Order is valid provided that the installation instructions for the EcoBoost Upgrade Kit will not recommend tuning the vehicle to specifications different from those of Whipple Industries, Inc.

Changes made to the design or operating conditions of the EcoBoost Upgrade Kit, 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 exemption is issued based on submitted emissions test data, from the SEMA Garage, Diamond Bar, California, on a 2015 model year Ford 2.3L Turbo Mustang certified to the LEV 3 ULEV 70 emission standards and tested using the Cold-Start CVS-75 Federal Test Procedure (FTP) test cycle and the Supplemental Federal Test Procedure (SFTP US06/SC03) test cycle.

Useful Life FTP Emission Level, 2 test average (w/ df applied)	NMOG+NOx	CO	HCHO
	0.056	0.4	0.000
Standards	0.070	1.7	0.004

Useful Life SFTP Emission Level (Composite w/ df)	NMOG+NOx	CO
	0.052	0.3
Standards	0.090 (BIN)	4.2

Test results showed that the EcoBoost Upgrade Kit when installed on the vehicle did not cause exhaust emissions to exceed the applicable emission standards during the FTP and SFTP. This Executive Order is also based on the On-Board Diagnostic II (OBD II) testing conducted on the same test vehicle. The EcoBoost Upgrade Kit when installed on the test vehicle did not affect the vehicle's ability to perform its OBD II monitoring.

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 THE ECOBOOST UPGRADE KIT.

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 29th day of September 2017.


Annette Hebert, Chief

Emissions Compliance, Automotive Regulations and Science Division

