



EXECUTIVE ORDER D-752-1

Relating to Exemptions Under Section 27156 of the California Vehicle Code

Livernois Motorsports and Engineering Ford Ecoboost Truck Tune

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 Ford Ecoboost Truck Tune, manufactured and marketed by Livernois Motorsports and Engineering, 2500 South Gulley Road, Dearborn Heights, Michigan 48125, 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 listed below.

PN	Engine Desc	Make	Model	Model Year	HP gain
LPP631101	3.5L Turbo	Ford	Flex	2010-12	10%
LPP631102	3.5L Turbo	Ford	F-150	2012-14	15%
				2011-12	15%
LPP631105	3.5L Turbo	Ford	Explorer	2013-15	10%
LPP631106	3.5L Turbo	Ford	Flex	2013-18	10%
		Lincoln	MKT	2013-18	10%
LPP631125	3.5L Turbo	Ford	Expedition	2015-18	15%
		Lincoln	Navigator	2015-18	15%
LPP631127	2.7L Turbo	Ford	F-150	2015-18	20%
LPP631128	3.5L Turbo	Ford	F-150	2015-16	18%
LPP631131	3.5L Turbo	Ford	Explorer	2017-18	10%
		Ford	Explorer	2016	10%
LPP631133	2.7L Turbo	Ford	Edge	2015-18	16%
LPP631148	3.5L Turbo	Ford	F-150	2017-18	19%
LPP631148, M-9306-F15R	3.5L Turbo	Ford	Raptor	2017-18	12%

The Ford Ecoboost Truck Tune is a hand held programmer designed to reprogram the FLASH memory chip located in the vehicle's ECU module. The Ford Ecoboost Truck Tune has only one stage of enhancement: performance. Data files cannot be modified by the end user.

This Executive Order is valid provided that the installation instructions for the Ford Ecoboost Truck Tune will not recommend tuning the vehicle to specifications different from those of Livernois Motorsports and Engineering.

Changes made to the design or operating conditions of the Ford Ecoboost Truck Tune, 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 exemption is issued based on submitted emissions test data from both the SEMA Garage located in Diamond Bar, California and Automotive Testing and Development Services, Inc. located in Ontario, California, on a 3.5L turbocharged 2017 model year Ford F-150 Raptor, certified to the LEV III ULEV 125 emission standards and on a 2.7L turbocharged 2017 model year Ford F-150, certified to the LEV III 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 cycles.

2017 Raptor

Useful Life FTP Emission Level (w/ df applied)	NMOG+NOx	CO	HCHO	PM
	0.079	2.0	0.001	0.00
Standards	0.125	2.1	0.004	0.01

Boost increase was measured at 1.73 psi.

2017 F-150

Useful Life FTP Emission Level (w/ df applied, 2 test avg)	NMOG+NOx	CO	HCHO
	0.063	0.3	0.001
Standards	0.070	1.7	0.004

Useful Life SFTP Emission Level (Composite w/ df)	NMOG+NOx	CO
	0.051	0.3
Standards	0.100 (BIN)	4.2

Horsepower gain was measured at 68 hp.

Test results showed that the Ford Ecoboost Truck Tune when installed on the vehicles did not cause exhaust emissions to exceed the applicable emission levels during the FTP and SFTP test cycles. This Executive Order is also based on the On-Board Diagnostic II (OBD II) testing conducted on the same test vehicles. The Ford Ecoboost Truck Tune when installed on the test vehicles 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 FORD ECOBOOST TRUCK TUNE.

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 8th day of December 2017.


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

