

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER D-793

Relating to Exemptions under
Section 27156 of the Vehicle Code

Lightning Hybrids, LLC

Pursuant to the authority vested in the Air Resources Board by Sections 27156 of the Vehicle Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-14-012;

IT IS ORDERED AND RESOLVED: That installation of the Lightning Hybrids ERS, manufactured by Lightning Hybrids, LLC of 319 Cleveland Avenue, Loveland, Colorado, 80537, has been found not to reduce the effectiveness of the applicable vehicle pollution control system, and therefore, the Lightning Hybrids ERS is exempt from the prohibitions in Section 27156 of the Vehicle code for installation on 2016 model-year Ford gasoline-powered vehicles with engines in the following test group:

Model Year	Test Group
2016	GFMXE06.8BWZ

This exemption is based on evaluation of the Lightning Hybrids ERS under the "Procedures for Exemption of Add-On and Modified Parts" (Procedures), last amended June 1, 1990.

The Lightning Hybrids ERS includes the following major components:

Component	Part Number
Complete ERS Assembly	900-007
Complete Gear Box Assembly	101-000
Hydraulic Pump/Motor	121-006
Low Pressure Hydraulic Accumulator Vessel	123-031
High Pressure Hydraulic Accumulator Vessel	122-001
Complete Manifold Assy with Valves and Controls	226-004
Electronic Control Unit	300-000
Custom Brake Pedal	105-000

This Executive Order is based on emission testing Lightning Hybrids, LLC conducted with the Lightning Hybrids ERS. The Air Resources Board reserves the right to conduct additional emission tests in the future. If such test results demonstrate that the Lightning Hybrids ERS adversely affects emissions, this Executive Order may be rescinded. Further, if such test results or other evidence provides the Air Resources Board with reasons to suspect that the Lightning Hybrids ERS will affect the durability of the emission control system, Lightning Hybrids, LLC 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 parts demonstrate adequate durability.

Lightning Hybrids LLC shall collect On-Board Diagnostic II (OBDII) mode \$09 data upon installation of the Lightning Hybrids ERS and again after approximately 6 months of customer use for at least 5 vehicles from the 2016 model year to be provided within one year of the first date of sale of the Hybrid System. If the mode \$09 data demonstrate that the Lightning Hybrids ERS does not comply with the minimum in-use monitor performance rates specified in 13 CCR 1968.2, this Executive Order may be rescinded.

This Executive Order is valid provided that installation instructions for the Lightning Hybrids ERS do not recommend tuning the vehicles to specifications different from those of the vehicle manufacturer.

Changes made to the design or operating conditions of the Lightning Hybrids ERS, as exempt by the Air Resources Board, which adversely affect the performance of the vehicle's emission control system, shall invalidate this Executive Order.

Marketing of the Lightning Hybrids ERS using identification other than that shown in this Executive Order or for an application other than that listed in this Executive Order shall be prohibited unless prior approval is obtained from the Air Resources Board.

Exemption of the Lightning Hybrids ERS shall not be construed as exemption to sell, offer for sale, or advertise any component of the system as an individual device.

This Executive Order shall not apply to any Lightning Hybrids ERS advertised, or offered for sale, sold with, or installed on a motor vehicle prior to or concurrent with transfer to an ultimate purchaser.

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.

In addition to the foregoing, 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 California code of Regulations, Title 13, 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 LIGHTNING HYBRIDS, INC.'S LIGHTNING HYBRIDS ERS.

Violation of any of the above conditions shall be grounds for revocation of this Executive Order. The Executive Order may be revoked only after a ten-day written notice of intention to revoke the Executive Order, in which period the holder of the Executive 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 Executive Order may not be revoked until a determination is made after the hearing that grounds for revocation exist.

Executed at El Monte, California this 16th day of June 2017


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