

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER D-775

Relating to Exemptions under
Section 27156 of the Vehicle Code

Innovative Hydrogen Solutions Inc.
i-Phi Hydrogen Injection System

The hydrogen generator device described herein does not qualify as a potential compliance option for the California Air Resources Board's in-use diesel fleet rules.

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 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 i-Phi Hydrogen Injection System, manufactured by Innovative Hydrogen Solutions Inc. (IHS) of 200 Industrial Parkway South, Aurora, Ontario, Canada L4G 3V6, has been found not to reduce the effectiveness of the applicable vehicle pollution control systems, and therefore, the i-Phi Hydrogen Injection System is exempt from the prohibitions in Section 27156 of the Vehicle Code for all 1995-2009 model year light/medium/heavy heavy-duty on-road diesel engines up to 16.1 liters.

The i-Phi Hydrogen Injection System consists of a hydrogen generator cell filled with an electrolytic solution, 2.5-gallon water reservoir, 0.375-gallon coolant tank, electrical box, electrical wiring and connectors, various hoses, and plastic supply hose for the hydrogen gas.

This Executive Order is granted based on emission test results, submitted by IHS with the i-Phi Hydrogen Injection System installed, using the Heavy-Duty Federal Test Procedure Transient Cycle, Euro III European Stationary Cycle, and "Not-to-Exceed" tests.

If evidence provides the Air Resources Board with reasons to suspect that the i-Phi Hydrogen Injection System will affect the durability of the emission control system, IHS 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.

This Executive Order is valid provided that installation instructions for the i-Phi Hydrogen Injection System 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 i-Phi Hydrogen Injection System, 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 i-Phi Hydrogen Injection System 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 i-Phi Hydrogen Injection System 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 shall not apply to any i-Phi Hydrogen Injection System advertised, offered for sale, sold with, or installed on a motor vehicle prior to or concurrent with transfer to an ultimate purchaser.

This Executive Order does not constitute any opinion as to the effect the use of the i-Phi Hydrogen Injection System may have on any warranty either expressed or implied by the vehicle manufacturer.

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 THE IHS I-PHI HYDROGEN INJECTION SYSTEM.

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 28th day of June 2016.



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