

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER D-478-1  
Relating to Exemptions Under Section 27156 of the Vehicle Code

COMBUSTION TECHNOLOGY  
Direct Hits Ignition Amplifier

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-45-9;

**IT IS ORDERED AND RESOLVED:** That the installation of Direct Hits Ignition Amplifier (Direct Hits) manufactured by Combustion Technology, 2301 Yale S.E., Unit A-4, Albuquerque, NM, 87106, has been found not to reduce the effectiveness of the applicable vehicle pollution control system and, therefore, is exempt from the prohibitions of Section 27156 of the Vehicle Code for 2000 and older model years vehicles which do not use a "coil-on-plug" ignition system.

This Executive Order is valid provided that the installation of Direct Hits will not recommend tuning the vehicle to specifications different from those submitted by Combustion Technology.

This Executive Order does not constitute any opinion as to the effect the use of Direct Hits may have on any warranty either expressed or implied by the vehicle manufacturer.

This Executive Order does not apply to any Direct Hits advertised, offered for sale, sold with or installed on a motor vehicle prior to or concurrent with transfer to an ultimate purchaser.

Changes made to the design or operating conditions of the Direct Hits, as exempted by the Air Resources Board, which adversely affect the performance of a vehicle's pollution control system shall invalidate this Executive Order.

Marketing of the Direct Hits using any identification other than that shown in this Executive Order or marketing of Direct Hits for an application other than those

listed in this Executive Order shall be prohibited unless prior approval is obtained from the Air Resources Board. Exemption of the Direct Hits shall not be construed as an exemption to sell, offer for sale, or advertise any component of the kit as an individual device.

With installation of Direct Hits ignition amplifier, the ignition timing of the vehicle must not under any condition exceed that of the original production system by more than +4 crankshaft degrees.

Any oral or written references to this Executive Order or its content by Combustion Technology Products Corp., its principals, agents, employees, distributors, dealers, or other representatives must include the disclaimer that the Executive Order or the exemption it provides is not an endorsement or approval of any emissions reduction claims for the ignition amplifier and is only a finding that the ignition amplifier is exempt from the prohibitions of Vehicle Code Section 27156.

This Executive Order is granted based on an engineering evaluation using compliance criteria for ignition systems and an examination of the On-Board Diagnostic II (OBD II) system. Based on the results of the OBD II system test and evaluation of the design and operating principles of the device, Direct Hits, it is concluded that Direct Hits meets the compliance criteria as specified in "Procedures for Exemption of Add-On and Modified Parts" and will not adversely affect the operation of the vehicles' OBD II system. In addition, it is concluded that Direct Hits will not adversely affect exhaust emissions when tested using the Cold-Start CVS-75 Federal Test Procedure.

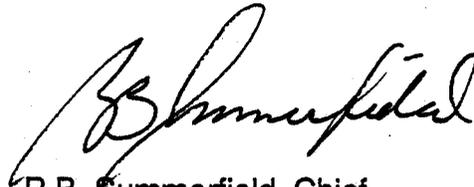
In addition to the foregoing, the Air Resources Board reserves the right in the future to review this Executive Order and the exemption provided herein to assure that the exempted add-on or modified part continues to meet the standards and procedures of Title 13, California Code of Regulations, Section 222, 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 COMBUSTION TECHNOLOGY PRODUCTS CORP.'S DIRECT HITS.**

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 after hearing that grounds for revocation exist.

Executed at El Monte, California, this 12<sup>th</sup> day of September 2000.



R.B. Summerfield, Chief  
Mobile Source Operations Division