

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER D-225-64  
Relating to Exemptions Under Section 27156  
of the Vehicle Code

CRANE CAMS, INC.  
IGNITION SYSTEMS

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-45-9;

IT IS ORDERED AND RESOLVED: That the installation of the multi-spark ignition systems, manufactured by Crane Cams, Inc. of 530 Fentress Blvd., Daytona Beach, Florida 32114, 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 the following vehicle applications:

<u>Part No.</u>	<u>Description</u>	<u>Application</u>
6000-6440	HI-6 Capacitive Discharge Ignition in a black housing	1995 and older non OBD II vehicles with distributor-equipped ignitions. Ignition system has rev. limit controls, timing retard, and multi-spark.
6000-6441	HI-6 Capacitive Discharge Ignition in a blue housing	Same as above
6000-6442	Import Power Capacitive Discharge Ignition in a red housing	Same as above
6000-6443	Import Power Capacitive Discharge Ignition in a silver housing	Same as above
6000-6444	Import Power Capacitive Discharge Ignition in a blue housing	Same as above
6000-6600	Digital Multi-Spark Ignition	1995 and older vehicles with distributor-equipped ignitions. Multi-spark with no rev. limiter or retard control.

6000-6323	HI-6S	1995 and older vehicles with distributor-equipped ignitions. Boost proportional retard, multi-spark, and no rev. limiter.
6000-6445	HI-6	2001 and older vehicles with distributor-equipped ignitions. Boost proportional retard, multi-spark, and no rev. limiter. Must use Crane Electronic Trigger, part no. 6000-8931, on vehicles equipped with an OBD II system.
6000-6501	HI-6DI2	2001 and older 4 cylinder vehicles with distributorless ignitions and two twin tower coils. Boost proportional retard, multi-spark, and no rev. limiter. Must use Crane Electronic Trigger, part no. 6000-8933, on vehicles equipped with an OBD II system.
6000-8931	Crane Electronic Trigger	1994 to 2001 OBD II vehicles with distributor-equipped ignitions.
6000-8933	Crane Electronic Trigger	1994 to 2001 OBD II vehicles with distributorless ignitions.

This Executive Order shall not apply to any Crane Cams, Inc.'s ignition systems 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 is issued based on information supplied by the device manufacturer which demonstrates that the ignition system components meet the requirements of compliance criteria for ignition system components as specified under the "Procedures for Exemption of Add-On and Modified Parts" and, therefore, will not increase emissions. This Executive Order is also based on On Board Diagnostic II (OBD II) testing conducted on a 2000 2.0L Ford Focus with the HI-6DI2 and Electronic Trigger, and a 2000 3.9L Dakota with the HI-6 w/ boost retard and Electronic Trigger. The various ignition systems when installed on the vehicles did not affect their ability to perform OBD II monitoring.

This Executive Order is valid provided that installation instructions for these devices will not recommend tuning the vehicles to specifications different from those submitted by the vehicle manufacturer.

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

Marketing of these devices using any identification other than that shown in this Executive Order or marketing of these devices for an application other than those listed in this Executive Order shall be prohibited unless prior approval is obtained from the Air Resources Board.

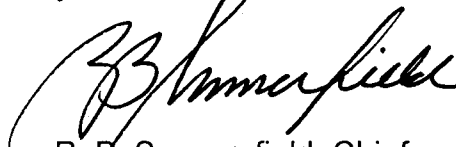
This Executive Order does not constitute any opinion as to the effect the use of the ignition modules may have on any warranty either expressed or implied by the vehicle's manufacturer.

THIS EXECUTIVE ORDER DOES NOT CONSTITUTE A CERTIFICATION, ACCREDITATION, APPROVAL, OR ANY OTHER TYPE OF ENDORSEMENT BY THE AIR RESOURCES BOARD OF CLAIMS OF THE APPLICANT CONCERNING ANTI-POLLUTION BENEFITS OR ANY ALLEGED BENEFITS OF CRANE CAMS IGNITION SYSTEMS.

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 19<sup>th</sup> day of December 2000.



R. B. Summerfield, Chief  
Mobile Source Operations Division