

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER D-249-2  
Relating to Exemptions Under Section 27156  
Of the Vehicle Code

Donaldson Company, Inc.  
Spiracle Closed Crankcase Filtration System

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-02-003;

IT IS ORDERED AND RESOLVED; That the installation of the Spiracle Closed Crankcase Filtration System, manufactured and marketed by the Donaldson Company, Inc., P.O. Box 1299, Minneapolis, MN 55440, 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 installation on 1991 through 2002 model-year four-stroke, turbocharged heavy-duty diesel engines between 150 and 600 horsepower, certified to standards of 0.25 g/bhp-hr particulate matter (PM) or less.

The Spiracle Closed Crankcase Filtration System consists of a dual filter assembly which replaces the draft tube on the engine. The Spiracle Closed Crankcase Filtration System filters the engine blow-by gases and directs them into the engine air intake. The assembly includes a replaceable filter element, designed to be serviced at each oil change.

This Executive Order is valid provided that the installation instructions for the Spiracle Closed Crankcase Filtration System will not recommend tuning the vehicle to specifications different from those of the vehicle manufacturer.

This Executive Order shall not apply to any Spiracle Closed Crankcase Filtration System advertised, offered for sale, sold with, or installed on a motor vehicle prior to or concurrent with the transfer to an ultimate purchaser.

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

Marketing of the Spiracle Closed Crankcase Filtration System using any identification other than that shown in this Executive Order or marketing of the Spiracle Closed Crankcase Filtration System 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 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 does not constitute any opinion as to the effect that the use of the Spiracle Closed Crankcase Filtration System may have on any warranty either expressed or implied by the vehicle manufacturer.

This Executive Order is granted based on test results submitted by the Donaldson Company, Inc. which show that the Spiracle Closed Crankcase Filtration System has no adverse impact on exhaust and crankcase emissions of on-road heavy-duty engines.

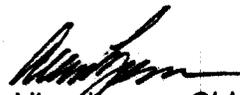
In addition to the foregoing, the ARB reserves the right in the future to review this Executive Order and the exemption provided herein to assure that the exempted add-on or modified part continues to meet the standards and procedures of Title 13, California Code of Regulations, Section 2222, et seq.

**THIS EXECUTIVE ORDER DOES NOT CONSTITUTE A CERTIFICATION, ACCREDITATION, APPROVAL, OR ANY OTHER TYPE OF ENDORSEMENT BY THE AIR RESOURCES BOARD OF ANY CLAIMS OF THE APPLICANT CONCERNING ANTI-POLLUTION BENEFITS OR ANY ALLEGED BENEFITS OF DONALDSON COMPANY INC.'S SPIRACLE CLOSED CRANKCASE FILTRATION SYSTEM.**

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 of 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 21<sup>ST</sup> day of October 2002.



Allen Lyons, Chief  
Mobile Source Operations Division