

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER D-520

Relating to Exemptions Under Section 27156  
of the Vehicle Code

Evergreen Performance  
AirAid Intake 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-45-9;

IT IS ORDERED AND RESOLVED: That the installation of the AirAid Intake System, manufactured and marketed by Evergreen Performance, 14840 N. 74th Street, Scottsdale, Arizona 85260 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 vehicle applications listed:

<u>Part No.</u>	<u>Applications</u>
200-102	1996-2000 GM vehicles equipped with a 5.0 or 5.7L engine
200-103	1996-2001 GM trucks equipped with a 7.4L engine
200-104	1988-1995 GM vehicles equipped with a 5.0 or 5.7L engine
200-108	1996-2001 GM trucks equipped with a 4.3L engine
200-112	1999-2001 GM trucks equipped with a 4.8, 5.3, or 6.0L engine
300-106	1994-2001 Chrysler trucks equipped with a 5.2 or 5.9L engine
300-107	1997-2001 Chrysler trucks equipped with a 2.5, 3.9, 5.2, or 5.9L engine
300-117	2000-2001 Dakota and Durango equipped with a 4.7L engine
310-110	1997-2000 Jeep TJ equipped with a 2.5 or 4.0L engine
400-109	1997-2001 Ford trucks equipped with a 4.6 or 5.4L engine
400-113	1999-2001 Ford trucks equipped with a 7.3L diesel engine
400-114	1999-2001 Ford trucks equipped with a V10 gasoline engine
400-115	1997-2000 Ford trucks equipped with a V6 engine
400-116	1999-2001 Ford Lightning truck
400-118	1997-2001 Ford trucks equipped with a 4.6 or 5.4L engine

The AirAid Intake System includes main components consisting of a K&N style open element air filter and ducting system designed to replace the stock air filter box and air inlet ducting.

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

This Executive Order shall not apply to any Evergreen Performance's AirAid Intake System advertised, offered for sale, sold with, or installed on a new motor vehicle prior to or concurrent with transfer to an ultimate purchaser.

Changes made to the design or operating conditions of the AirAid Intake 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 AirAid Intake System using any identification other than that shown in this Executive Order or marketing of the AirAid Intake 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 AirAid Intake 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 the use of the AirAid Intake System may have on any warranty either expressed or implied by the vehicle manufacturer.

This Executive Order is granted based on an engineering evaluation which determined that the AirAid Intake System will have no adverse impact on evaporative or tailpipe emissions if tested in accordance with the Cold-Start CVS-75 Federal Test Procedure. Furthermore, Evergreen Performance, Inc. demonstrated to ARB staff, using a 2000 4.7L Dodge Dakota, 2000 5.3L GM truck, and a 2001 5.4L Ford F-150, that the AirAid Intake System do not affect the ability of the vehicle's OBD II system to monitor various emission related functions. However, the ARB finds that reasonable grounds exist to believe that use of the AirAid Intake System may adversely affect emissions of motor vehicles when operating under conditions outside the parameters of the previously prescribed test procedures. Accordingly, the ARB reserves the right to conduct additional emission tests, in the future, as such tests are developed, that will more adequately measure emissions from all cycle phases. If such test results demonstrate that the AirAid Intake System adversely affect emissions during off-cycle conditions (defined as those conditions which are beyond the parameters of the Cold-Start CVS-75 Federal Test Procedure), this Executive Order shall be effectively rescinded as of the date the test results are validated. Further, if such test results or other evidence provides the ARB with reason to suspect that the AirAid Intake System will affect the durability of the emission control system, Evergreen Performance 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 part demonstrates adequate durability.

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 EVERGREEN PERFORMANCE'S AIRAID INTAKE 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 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 24<sup>th</sup> day of July 2001.



*for* R. B. Summerfield, Chief  
Mobile Source Operations Division

## EVALUATION SUMMARY

Manufacturer Name: Evergreen Performance

Name of Device: AirAid Intake System

### Background:

Evergreen Performance of 14840 N. 74th St., Scottsdale, Arizona 85260, has applied for an exemption from the prohibitions in Section 27156 of the California Vehicle Code (VC) for the AirAid Intake System designed for 1988 through 2001 Chrysler, Ford, and General Motors vehicles. The vehicle application excludes those certified to the Supplemental Federal Test Procedures (SFTP) standards.

### Recommendation:

Grant exemption to Evergreen Performance as requested and issue Executive Order D-520.

### Device Description:

Evergreen Performance's AirAid Intake System is an air intake system specifically designed for installation on 1988 through 2001 Chrysler, Ford, and General Motors vehicles. The installation of the kit does not require any major modifications to the stock motor, except for the modification of the factory air intake system to accommodate the AirAid Intake System's air filter and plumbing. The filter element used in the AirAid Intake System is an open-element, reusable cotton gauze unit, designed to be less restrictive than the stock air filter.

The AirAid Intake System is intended to increase the vehicle's volumetric efficiency and power output at particular engine loads and throttle openings. At heavy engine loads and increased throttle openings, the airflow into the engine is increased because the AirAid intake System is less restrictive than stock air filter. This allows more air to enter the engine, which is compensated by the engine control module with an increase in fuel flow, resulting in a higher power output.

### Discussion/Basis for the Recommendation:

A 2000 4.7L Dodge Dakota, 2000 5.3L GM truck, and a 2001 5.4L Ford F-150, was used for the evaluation of the AirAid Intake System. The test vehicles were certified to the Low-Emission Vehicle (LEV) emission standards and was equipped with an enhanced evaporative system. Testing was conducted by staff at the ARB. Testing consisted of on road driving in the modified configuration to set all On-Board Diagnostics (OBD) II readiness indicators. No emission measurements were required since similar systems have been tested and have shown to have only a slight influence on emissions, usually a measurable (but not significant) increase in NOx due to a leaning effect of the less restrictive intake system.

Based on engineering evaluation and the OBD-II test results, the staff concludes that Evergreen Performance's AirAid Intake System meets the requirements for a VC 27156 exemption.