# State of California AIR RESOURCES BOARD

#### EXECUTIVE ORDER D-590-3

## Relating to Exemptions Under Section 27156 of the California Vehicle Code

# S&B Filters Cold Air 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-02-003;

IT IS ORDERED AND RESOLVED: That the installation of the Cold Air Intake System, produced and marketed by S&B Filters of 787 S. Wanamaker Ave., Ontario, California 91761, has been found not to reduce the effectiveness of the applicable vehicle pollution control systems and, therefore, is exempt from the prohibitions of Section 27156 of the Vehicle Code for the vehicles listed in Exhibit A.

The Cold Air Intake System includes the following main components: open-element reusable air filter, heat shield (as applicable), intake system tubing, crankcase ventilation hose (as applicable, which may be silicone, and a color other than black), assorted brackets, and hardware.

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

Changes made to the design or operating conditions of the Cold Air 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.

This Executive Order shall not apply to any Cold Air 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.

Marketing of the Cold Air Intake System using any identification other than that shown in this Executive Order or marketing of the Cold Air 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.

This Executive Order does not constitute any opinion as to the effect the use of the Cold Air Intake System units may have on any warranty either expressed or implied by the vehicle manufacturer.

This Executive Order is granted based on previous emission test results (Executive Order D-590-2) in the modified configuration using the Cold-Start Federal Test Procedure, Supplemental Federal Test Procedure (US06), and an examination of the On-Board Diagnostic II (OBD II) system. A 2008 GM Chevrolet Suburban (8GMXT05.3381, LEV-II ULEV) was used for the evaluation of the Cold Air Intake System. Results from emissions testing conducted at the Automotive Testing and Development Services, are shown below (in grams per mile):

### 2008 GM Chevrolet Suburban

| FTP  | 120k<br>Emission Level<br>(w. DF applied) | NMOG<br>0.034 | CO<br>1.227    | NOx<br>0.012 | HCHO<br>0.0004 |
|------|---|---------------|----------------|--------------|----------------|
|      | STD                                       | 0.070         | 2.1            | 0.04         | 0.011          |
| US06 | NMHC + 1<br>Meas. 0.032<br>STD 0.4        |               | O<br>959<br>.5 |              |                |

The emission test results in the modified configuration were below the applicable certification standards. Examination of the OBD II system showed the Cold Air Intake System does not affect OBD II operation.

If evidence provides the ARB with reason to suspect that the Cold Air Intake System will affect the durability of emission control systems, S&B Filters shall be required to submit durability data to show that the durability of vehicle emission control systems are not, in fact, affected and/or that the add-on or modified part demonstrates adequate durability.

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 S&B FILTERS' COLD AIR 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 \_\_\_\_\_ day of May 2010.

Annette Hebert, Chief Mobile Source Operations Division

S&B FILTERS - COLD AIR INTAKE SYSTEM - D-590-3

| D-590-3 | 5 |
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| P/N     | MFR      | VEHICLE  |  |
|---------|----------|--|--|
| 75-1529 | Chrysler | 2002-2008 Dodge Ram 1500 4.7L                                    |  |
| 75-1534 | Chrysler | 2004-2008 Dodge Ram 1500, 2500, 3500 Hemi V8 5.7L                |  |
|         |          | 2005-2008 Chrysler 300C/SRT-8, Dodge Magnum, Charger, Daytona,   |  |
| 75-5008 | Chrysler | R/T, SRT8 5.7L, 6.1L V8  |  |
| 75-5025 | Chrysler | 2007-2008 Jeep Wrangler Unlimited X, Sahara, Rubicon 3.8L V6     |  |
|         |          | 2005-2006 Ford Mustang GT 4.6L, for 2005 models not equipped     |  |
|         |          | with HC adsorber, permitted Ford intake part numbers 6R33-9C662- |  |
|         |          | BG (manual trans) or 6R33-9C662-CG (auto trans), manufactured    |  |
| 75-5003 | Ford     | prior to April 2005.   |  |
| 75-5004 | Ford     | 2005-2008 Ford Mustang 4.0L V6                                   |  |
| 75-5016 | Ford     | 2005-2008 Ford F150 Pick-up 5.4L V8                              |  |
|         |          | 2006-2008 Lincoln Mark LT 5.4L V8                                |  |
| 75-5022 | Ford     | 2007-2008 Ford F150 Pick-up, 4.6L V8                             |  |
| 75-3011 | GM       | 1994-1996 Chevrolet Impala, Caprice, V8-5.7L                     |  |
|         |          | 2007-2008 Chevrolet/GMC Silverado 1500/Sierra 1500 V8 4.8L,      |  |
| 75-5021 | GM       | 5.3L, 6.0L   |  |
|         |          | 1999-2006 Chevrolet Avalanche, Silverado, Suburban, Tahoe 1500 & |  |
| 75-5036 | GM       | 2500, GMC Sierra, Yukon 1500 & 2500 4.8L, 5.3L, 6.0L             |  |
|         |          | 2007 Chevrolet Silverado 1500 Classic 4.8L, 5.3L, 6.0L           |  |
|         |          | 2002-2006 Cadillac Escalade 4.8L, 5.3L, 6.0L                     |  |
|         |          |  |  |
|         |          | 2007-2008 Cadillac Escalade, Chevrolet Avalanche, Suburban 1500, |  |
| 75-5042 | GM       | Tahoe, GMC Yukon, Yukon XL, Yukon Denali 4.8L, 5.3L, 6.0L, 6.2L  |  |
| 75-6012 | Nissan   | 2004-2007 Nissan Titan, Armada, Pathfinder, Infinity Q56 5.6L V8 |  |