

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER D-176-10
Relating to Exemptions Under Section 27156
of the Vehicle Code

DINAN ENGINEERING
DINAN SUPERCHARGER 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 Supercharger System, designed to a maximum boost pressure of 5.5 psi., with a supercharger pulley diameter of 3.12" and a crankshaft pulley diameter of 5.00", manufactured and marketed by Dinan Engineering, 150 South Whisman, Building E, Mountain View, California 94041 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 the following BMW 6 cylinder vehicle applications: 1995 M3 and 1993-95 325i & 525i (except for selected 325i models that have SBM1156AYPO1 evaporative engine family listed on the tune-up label).

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

Installation of the supercharger requires the replacement of the factory Lucas fuel injectors with Lucas model # 5207009 (28.8 lb./hr.) injectors, a replacement ECU-PROM, K & N air filter, a resistor placed in the air flow meter bridge circuit, new fuel pump, and the relocation of the PCV tube from the intake manifold to the supercharger inlet. A spacer ring is also included with this kit to limit the amount that the intake cam may advance. Factory advance is set at 12 degrees, Dinan limits this advance to 6 degrees.

Changes made to the design or operating conditions of the supercharger kit, 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 supercharger kit using any identification other than that shown in this Executive Order or marketing of the supercharger kit 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 supercharger kit shall not be construed as exemption to sell, offer for sale, or advertise any component of the kits as an individual device.

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

This Executive Order is granted based on an engineering evaluation which shows that emissions are not affected during the Cold-Start CVS 75 Federal Test Procedure. However, the ARB finds that reasonable grounds exist to believe that use of the Dinan Engineering supercharger kit 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 supercharger kit adversely affects 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 supercharger kit will affect the durability of the emission control systems, Dinan Engineering 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.

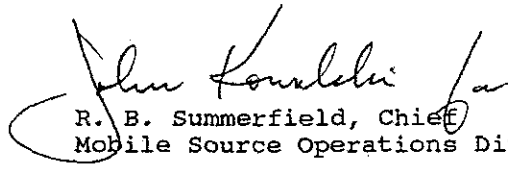
In addition to the foregoing, the ARB reserves the right in the future to review this Executive Order and the exemption provided herein to assure that the exempted add-on or modified part continues to meet the standards and procedures of Title 13, California Code of Regulations, Section 2222, et seq.

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 DINAN ENGINEERING'S SUPERCHARGER 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 after hearing that grounds for revocation exist.

Executed at El Monte, California, this 16th day of December 1996.


R. B. Summerfield, Chief
Mobile Source Operations Division