

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER D-453-7  
Relating to Exemptions Under Section 27156  
of the Vehicle Code

Moss Motors  
Mazda Supercharger Kit

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 Mazda Supercharger Kit, manufactured and marketed by Moss Motors, 5760 Thornwood Drive, Goleta, California 93117 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 all 1990 to 2003 model year Mazda Miata vehicles powered by a 4-cylinder engine.

Moss Motors' Mazda Supercharger Kit includes an Eaton supercharger designed to give a maximum boost of 6 psi., add-on digital fuel management module to increase fuel flow during boost conditions, and an aftermarket open element air cleaner to replace the original air cleaner. Modifications to the emissions control system include a relocation of the throttle body, and a 4 degree retard in ignition timing. The following are the applicable pulley sizes:

Application	Crank Pulley	Supercharger
1990-1993 Mazda Miata	5.12"	2.9"
1994-2003 Mazda Miata	5.12"	2.6"

This Executive Order is valid provided that the installation instructions for the Mazda Supercharger Kit will not recommend tuning the vehicle to specifications different from those submitted by Moss Motors. Moss Motors recommends that only 92 octane fuel be used.

Changes made to the design or operating conditions of the Mazda 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.

This Executive Order shall not apply to any Mazda Supercharger Kit 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 Mazda Supercharger Kit using any identification other than that shown in this Executive Order or marketing of the Mazda 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 Mazda Supercharger Kit shall not be

construed as an 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 Mazda Supercharger Kit may have on any warranty either expressed or implied by the vehicle manufacturer.

This Executive Order is granted based on previously submitted emission test data, for Moss Motors (D-353-5), on a 1994 Mazda Miata, certified to a Tier 1 emission standard and a 1998 Honda Civic certified to the Low Emission Vehicle I Low Emission Vehicle emission standards. The emission test results in the modified configuration were below the applicable certification standards. Examination of the OBD II system on a 1999 Mazda Miata and a 1998 Honda Civic, both modified with a supercharger kit, showed no affect on the vehicles' OBD II system operation.


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 MOSS MOTORS' MAZDA SUPERCHARGER KIT.

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 12<sup>th</sup> day of March 2007.

  
Annette Hebert, Chief  
Mobile Source Operations Division