

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER D-601-2

Relating to Exemptions Under Section 27156
of the California Vehicle Code

Flyin' Miata
Supercharger Kit, P/N 03-900X0

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-14-012;

IT IS ORDERED AND RESOLVED: That the installation of the Supercharger Kit, manufactured and marketed by Flyin' Miata, 499 35 Road, Palisade, Colorado 81526, 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 2006 to 2015 model year Mazda Miata vehicles.

The MX-5 Supercharger System consists of the following main components: Eaton MP62 supercharger with a 91.4mm diameter supercharger pulley and a 150mm crankshaft pulley, intake manifold, bypass valve, new radiator thermostat housing, new thermostat at stock temperature, intercooler, air intake tubing, replacement high flow fuel injectors, new air box lid, wire extensions to the Electronic Throttle Control and MAF and IAT sensors, and a reflashed ECM. **Boost is limited to 8.0 pounds per square inch.** The stock throttlebody, fuel pump, and mass air flow sensor are all retained. Stock mass air flow sensor is installed in the new air box lid in a stock location and orientation. The PCV breather hose may be replaced or modified with an SAE30R9 rated hose or a Mazda replacement equivalent. All supplied fuel hoses are either Avon's CADbar 9000 series or a stock factory replacement, and fuel and vapor line connectors supplied with the kit are OEM equivalent parts. Premium only label included for inside of fuel door. **Installation of the Supercharger Kit requires the removal of the stock air filter housing and all intake air tubing. If the stock air filter housing contains the vehicle's tune-up & emissions control decal, a replacement decal must be placed in a similar location.**

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 Flyin' Miata.

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.

This exemption is issued based on submitted emissions test data, from the SEMA Garage, Diamond Bar, California, on a 2015 model year Mazda 2.0L Miata certified to the LEV II ULEV emission standards and tested using the Cold-Start CVS-75 Federal Test Procedure (FTP) test cycle, Highway Fuel Economy Test (HWFET), and the Supplemental Federal Test Procedure (SFTP US06/SC03 (AC2 test + 20%)) test cycle.

CVS-75 FTP				
	NMOG	CO	NOx	HCHO
Standards, UL	0.055	2.1	0.07	0.011
Device Test (w/ df applied, 2 test avg)	0.049	1.1	0.03	0.001

US06/SC03				
	NMHC+NOx	CO		
Standards 4k	0.14/0.20	8.0/2.7		
Device	0.03/0.02	1.7/0.5		

	HWFET–	NOx
Standard		0.09
Device w/df		0.02

Boost pressure gain was measured at 10.2 psi.

Test results showed that the Supercharger Kit when installed on the vehicle did not cause exhaust emissions to exceed the applicable emission standards during the FTP and SFTP. This Executive Order is also based on the On-Board Diagnostic II (OBD II) testing conducted on the same test vehicle. The Supercharger Kit when installed on the test vehicle did not affect the vehicle's ability to perform its OBD II monitoring.

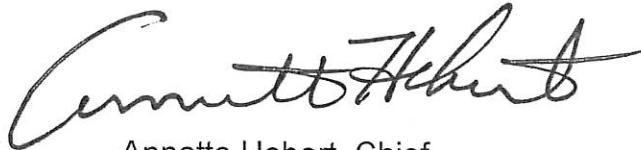
The Air Resources Board reserves the right in the future to review this Executive Order and the exemption provided herein to assure that the exempted add-on or modified part continues to meet the standards and procedures of Title 13, California Code of Regulations, Section 2222, et seq.

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 THE 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 19 day of May 2017.

A handwritten signature in black ink, appearing to read "Annette Hebert", with a stylized, cursive script.

Annette Hebert, Chief
Emissions Compliance, Automotive Regulations and Science Division

