



## EXECUTIVE ORDER D-601-3

Relating to Exemptions Under Section 27156  
of the California Vehicle Code

Flyin' Miata  
Turbo Kit

Pursuant to the authority vested in the California 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 Turbo 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 the following Mazda Miatas.

Part #	Model Year	Engine
22-18550	2016 to 2018	2.0L
22-17450	2006 to 2015	2.0L
22-15200	2003 to 2005	1.8L
22-14200	2001 to 2002	1.8L
22-13200	1999 to 2000	1.8L
22-12250	1996 to 1997	1.8L
22-11250	1994 to 1995	1.8L
22-10250	1990 to 1993	1.6L

The Turbo Kit consists of the following main components: BBR TSX30-71R Turbo, 2006 to 2017 model years, Garrett GT2560R, 1990 to 2005 model years, cast iron exhaust manifold and turbo outlet, intercooler, air intake tubing, replacement high flow fuel injectors except for kit P/N 22-18550, open element air filter on 1993 to 2005 model years, and a reflashed ECM. **Boost is limited to 8.0 pounds per square inch.** The stock throttlebody, fuel pump, air filter housing (2006 to 2018 model years) and mass air flow sensor are all retained. 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 Turbo 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 Turbo 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 Turbo Kit, as exempt by the California 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 2017 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 and the Supplemental Federal Test Procedure (SFTP US06/SC03 (AC2 test + 20%)) test cycle.

	CVS-75 FTP		
	NMOG+NO <sub>x</sub>	CO	HCHO
Standards, UL	0.125	2.1	0.011
Device Test w/df, 2 test avg.	0.099	0.6	0.001
	NMHC+NO <sub>x</sub>	CO	
Standards 4k	0.14/0.20	8.0/2.7	
Device	0.05/0.07	1.5/0.2	
Useful Life SFTP Emission Level (Composite w/ df)	NMOG+NO <sub>x</sub>		
	0.087		
Standards	0.120 (BIN)		

Boost pressure gain was measured at 8.8 psi.

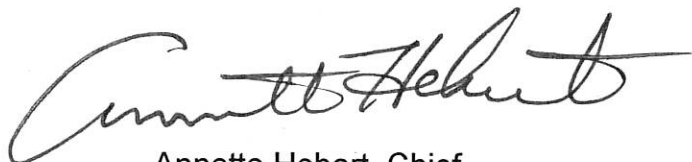
Test results showed that the Turbo Kit when installed on the vehicle did not cause exhaust emissions to exceed the applicable emission standards during the FTP and SFTP. This Executive Order is also based on the On-Board Diagnostic II (OBD II) testing conducted on the same test vehicle. The Turbo Kit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

The California 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 CALIFORNIA AIR RESOURCES BOARD OF ANY CLAIMS OF THE APPLICANT CONCERNING ANTI-POLLUTION BENEFITS OR ANY ALLEGED BENEFITS OF THE TURBO KIT.

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 27 day of March 2018.

A handwritten signature in black ink, appearing to read "Annette Hebert". The signature is fluid and cursive, with a large initial "A" and a long horizontal stroke at the end.

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