

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER D-176-41

Relating to Exemptions Under Section 27156
of the California Vehicle Code

Dinan Engineering, Inc.
High Flow Throttle Bodies

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 High Flow Throttle Bodies, manufactured and marketed by Dinan Engineering, Inc. of 865 Jarvis Drive, Morgan Hill, California 95037, 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 vehicle applications as listed in Exhibit A.

The High Flow Throttle Body includes a modified throttle body with a larger diameter for increased air flow. No other modifications are required for installation other than the replacement of the stock unit with Dinan's unit.

This Executive Order is valid provided that the installation instructions for the High Flow Throttle Bodies will not recommend tuning the vehicle to specifications different from those of Dinan Engineering.

Changes made to the design or operating conditions of the High Flow Throttle Bodies, 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 High Flow Throttle Bodies using any identification other than that shown in this Executive Order or marketing of the High Flow Throttle Bodies 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 High Flow Throttle Bodies 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 generated on a 2006 model year BMW 325i, engine test group 6BMXV03.0N52, certified to the Low Emission Vehicle II Ultra Low Emission Vehicle (LEV II ULEV) emission standards. Test results on the BMW 325i showed that emission levels, with Dinan Engineering, Inc.'s High Flow Throttle Body installed, met the applicable emission

standards when tested using the Cold-Start CVS-75 Federal Test Procedure (FTP) and the Supplemental Federal Test Procedure (SFTP US06) test cycles. Examination of the OBD II system showed the High Flow Throttle Body did not affect OBD II system operation. Results from emission testing conducted at Automotive Testing and Development Services, Inc., located in Ontario, California are listed below with deterioration factors applied.

	CVS-75 FTP			
	NMOG	CO	NOx	HCHO
Standards	0.040	1.7	0.05	0.008
Device	0.026	0.1	0.03	0.001

	US06	
	NMHC+NOx	CO
Standards 4k	0.14	8.0
Device	0.02	0.9

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 HIGH FLOW THROTTLE BODIES.

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 17th day of October 2014.


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

Exhibit A

<u>BMW Model</u>	<u>Model Years</u>	<u>Engine</u>	<u>Dinan Part#</u>
M3 sedan	2008-11	4.0L	D760-3900
M3 coupe	2008-13	4.0L	D760-3900
M3 convertible	2008-13	4.0L	D760-3900
550i	2006-10	4.8L	D760-3650
650i	2006-10	4.8L	D760-3650
750i/Li	2006-08	4.8L	D760-3650
750Li	2006-08	4.8L	D760-3650
M5	2006-10	5.0L	D760-3800
M6 coupe	2006-10	5.0L	D760-3800
M6 convertible	2007-10	5.0L	D760-3800

