CALIFORNIA
AIR RESOURCES BOARD

EXECUTIVE ORDER D- 550-35

Relating to Exemptions Under Section 27156
of the California Vehicle Code

Advanced Flow Engineering
Power Scorcher Module

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 Power Scorcher Module, manufactured and marketed by Advanced Flow Engineering, 252 Granite Street Corona, California 92879, 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 vehicle applications listed in Exhibit A.

The Power Scorcher Module is an inline modular designed to enhance the vehicle's performance without reprogramming the stock ECU. The Power Scorcher Module includes an engine compartment module only. There are no user adjustments and any internal data files cannot be modified by the end user.

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

Changes made to the design or operating conditions of the Power Scorcher Module, 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 Executive Order shall not apply to any Power Scorcher Module 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 Power Scorcher Module using any identification other than that shown in this Executive Order or marketing of the Power Scorcher Module for an application other than those listed in this Executive Order shall be prohibited unless prior approval is obtained from the California Air Resources Board.

No claim of any kind, such as "Approved by the California Air Resources Board", may be made with respect to the action taken herein in any advertising or other oral or written communication.

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

This Executive Order is granted based on submitted emission test data generated on four vehicles: a 2018 model year Ford F-250, 6.7L (JFMXD06.761B, LEV II ULEV, MDV), a 2017 model year GMC Sierra 2500, 6.6L (HGMXD06.6375, LEV III ULEV 250, MDV), a 2016 model year Nissan Titan XD, 5.0L (GCEXD05.08VV, LEV III ULEV 340, MDV), and a 2011 model year BMW 325d, 3.0L (BBMXV03.0M57, LEV II ULEV, PC), each modified with the Power Scorcher Module. Test results showed that emission levels, with the Power Scorcher Module installed, either met the applicable emission standards or was within a 10% increase of the baseline emission levels for comparative testing. Results from emission testing conducted at the SEMA Garage, Diamond Bar, California, and Olson-EcoLogic, Fullerton, California are shown below, in grams per mile, with deterioration factors (df) applied when evaluated against a standard.

Ford F-250

CVS-75	NMHC+NOx	NMHC	NOx	CO	PM
Standards	0.343	0.143	0.2	6.4	0.06
Device	0.216	0.046	0.2	0.3	0.01
Composite	NMHC+NOx	NMHC	NOx	CO	PM
Baseline	0.520	0.051	0.5	2.2	0.02
Device	0.404	0.016	0.4	0.2	0.00
% of Baseline	-22%	-68%	-17%	-92%	-81%

Power Improvement 37hp

GMC Sierra 2500

CVS-75	NMHC+NOx	CO	PM
Standards	0.250	6.4	0.008
Device	0.175	0.7	0.002
Composite	NMHC+NOx	CO	PM
Standards	0.800	22.0	0.01
Device	0.218	0.9	0.01

Power Improvement 37hp

BMW 335d

CVS-75	NMHC	CO	NOx	PM
Standards	0.090	4.2	0.07	0.01
Device	0.014	0.1	0.07	0.002
Composite	NMHC+NOx	CO		
Standards	0.14	8.0		
Device	0.11	0.0		

Power Improvement 43hp

Nissan Titan

CVS-75	NMHC+NOx	NMHC	NOx	CO	PM
Baseline	0.365	0.020	0.3	0.2	0.03
Device	0.189	0.018	0.2	0.2	0.01
% of Baseline	-48%	-10%	-33%	0%	-64%

US06	NMHC+NOx	NMHC	NOx	CO
Baseline	2.31	0.00	2.3	0.0
Device	2.50	0.00	2.5	0.0
% of Baseline	8%	0%	9%	0%

SC03	NMHC+NOx	NMHC	NOx	CO
Baseline	0.43	0.00	0.4	0.0
Device	0.47	0.00	0.5	0.0
% of Baseline	9%	0%	10%	0%

Composite	NMHC+NOx	NMHC	NOx	CO
Baseline	0.934	0.007	0.9	0.1
Device	0.940	0.007	0.9	0.1
% of Baseline	1%	0%	0%	0%

Power Improvement 50hp

Examination of the OBD II system showed the Power Scorcher Module does not affect OBD II system operation.

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 POWER SCORCHER MODULE.

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 1 day of October 2018.

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

Exhibit A

PN	Year	Make	Model	Engine
77-44010, 77-84010	2017 to 2018	Chevrolet	Silverado	6.6L
		GMC	Sierra	6.6L
77-44008, 77-84008	2015 to 2016	Chevrolet	Silverado	6.6L
		GMC	Sierra	6.6L
77-44007, 77-84007	2011 to 2014	Chevrolet	Silverado	6.6L
		GMC	Sierra	6.6L
77-44006	2004.5 to 2010	Chevrolet	Silverado	6.6L
		GMC	Sierra	6.6L
77-44005	2001 to 2004	Chevrolet	Silverado	6.6L
		GMC	Sierra	6.6L
77-44009, 77-84009	2016 to 2018	Chevrolet	Colorado	2.8L
		GMC	Canyon	2.8L
77-43020, 77-83020	2017 to 2018	Ford	Super Duty	6.7L
77-43014, 77-83014	2011 to 2016	Ford	Super Duty	6.7L
77-43013	2008 to 2010	Ford	Super Duty	6.4L
77-43012	2004.5 to 2007	Ford	Super Duty	6.0L
77-42009, 77-82009	2013 to 2017	Dodge	Ram	6.7L
77-42008, 77-82008	2007 to 2012	Dodge	Ram	6.7L
77-42007	2004.5 to 2007	Dodge	Ram	5.9L
77-42006	2003 to 2004	Dodge	Ram	5.9L
77-42005	1998.5 to 2002	Dodge	Ram	5.9L
77-46101, 77-86101	2016 to 2018	Nissan	Titan XD	5.0L
77-46308	2009 to 2013	BMW	X5	3.0L
	2009 to 2011	BMW	335d	3.0L