

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER D-751

Relating to Exemptions Under Section 27156
of the California Vehicle Code

128 Combustion (dba Range Technology)
Range AFM Plus

Pursuant to the authority vested in the Air Resources Board (ARB) by Section 27156 of the Vehicle Code (VC); 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 installation of the Range AFM Plus, part number RA001, produced and marketed by 128 Combustion (dba Range Technology) of 1851 Misty Creek Lane, Fort Collins, Colorado 80524, 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 2005 to 2015 General Motors (GM) vehicles equipped with the factory Active Fuel Management (AFM) system.

The Range AFM Plus is a tuning device plugged into the On-Board Diagnostics II (OBD II) port and is designed to modify the operating parameters of the GM AFM system.

This Executive Order is valid provided that installation instructions for the Range AFM Plus 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 Range AFM Plus, as exempt by the ARB, 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 Range AFM Plus 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 Range AFM Plus using any identification other than that shown in this Executive Order or marketing of the Range AFM Plus for an application other than those listed in this Executive Order shall be prohibited unless prior approval is obtained from the ARB.

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

This Executive Order is granted based on emission test results in the modified configuration using the Federal Test Procedure (FTP) and Supplemental Federal Test Procedure (US06 and SC03), and an examination of the OBD II system. A 2011 Chevrolet Camaro with a 6.2 liter naturally aspirated engine (BGMXV06.2089, USEPA Bin 4 counted as LEV-II ULEV) was used for the evaluation of the Range AFM Plus. Results from emissions testing conducted at Automotive Testing and Development Services, Inc. of Ontario, California are shown below (in grams per mile):

2011 Chevrolet Camaro 6.2L

FTP	120,000 mi. Emission Level (DF applied) STD	NMOG 0.062 0.070	CO 1.6 2.1	NOx 0.02 0.04	HCHO 0.001 0.011
US06	Emission Level STD	NMHC + NOx 0.02 0.14	CO 0.5 8.0		
SC03	Emission Level STD	0.01 0.20	1.4 2.7		

Emission test results in the modified configuration were below the applicable certification standards. Examination of the OBD II system showed the Range AFM Plus does not affect OBD II operation. Therefore, based on the test results, the staff concludes that the Range AFM Plus meets the criteria for exempting general criteria parts.

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. Further, if test results or other evidence provides the ARB with reason to suspect that the Range AFM Plus will affect the durability of emission control systems, 128 Combustion (dba Range Technology) shall be required to submit durability data to show that the durability of vehicle emission control systems are not, in fact, affected and/or that the add-on or modified part demonstrates adequate durability.

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 128 COMBUSTION (DBA RANGE TECHNOLOGY) RANGE AFM PLUS.

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 22nd day of September 2015.


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