

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER D-338-81
Relating to Exemptions Under Section 27156
of the Vehicle Code

Harley-Davidson Motor Company
Screamin' Eagle 120ST High-Performance Engine, P/N 19221-15

Pursuant to the authority vested in the Air Resources Board (ARB) by Vehicle Code (VC) Section 27156; 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 Screamin' Eagle 120ST High-Performance Engine, marketed and manufactured by the Harley-Davidson Motor Company, 3700 W. Juneau Avenue, Milwaukee, Wisconsin 53208 has been found not to reduce the effectiveness of the applicable vehicle pollution control system and, therefore, is exempt from the prohibitions of VC Section 27156 for 2010 to 2014 model year Harley-Davidson Touring motorcycles originally equipped with the following engine family: AHDXC1.80AED, BHDXC1.80AED, CHDXC1.80AED, DHDXC1.80AED, and EHDXC1.80AED.

The Harley-Davidson Screamin' Eagle 120ST High-Performance Engine is a complete replacement long-block engine with a new ECU calibration, fuel injectors and throttle body, no exhaust system or ECU is included. The kit is derived from a certified 2015 model year Harley-Davidson motorcycle (engine family FHDXC1.96AEG). No changes are made to any emission control system for proper installation, air cleaner is retained. Stock exhaust system is retained which is identical to the 2015 engine family listed. New ECM calibration has no user adjustments.

Changes made to the design or operating conditions of the Screamin' Eagle 120ST High-Performance Engine, as exempted by ARB, which adversely affect the performance of the motorcycle's pollution control system shall invalidate this Executive Order.

Marketing of the Screamin' Eagle 120ST High-Performance Engine using any identification other than that shown in this Executive Order or marketing of the Screamin' Eagle 120ST High-Performance Engine 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 these Screamin' Eagle 120ST High-Performance Engine may have on any warranty either expressed or implied by the Harley-Davidson Motor Company.

Harley-Davidson submitted two sets of modified motorcycle test results: One on a 2011 and another on a 2014, both with stock exhaust. The modified motorcycles met the applicable emission standards when tested using the Cold-Start CVS-75 Federal Test Procedure (FTP) test cycle. Results from emissions testing conducted at the Harley-Davidson Motor Company's emissions laboratory, located in Milwaukee, Wisconsin, are shown below (in grams per kilometer).

Standards	CVS-75 FTP	
	HC+NOx	CO
Standards	0.7	12.0
2014 Touring w/df	0.5	1.2
2011 Touring w/df	0.4	1.4

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.

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 HARLEY-DAVIDSON MOTOR COMPANY'S SCREAMIN' EAGLE 120ST HIGH-PERFORMANCE ENGINE .

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 30th day of June 2015.


FOR Annette Hebert, Chief

Emissions Compliance, Automotive Regulations and Science Division