CALIFORNIA AIR RESOURCES BOARD

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EXECUTIVE ORDER K-010-45

Relating to Exemptions of Aftermarket Critical Emission Control Parts for Highway Motorcycles under Sections 27156 and 38391 of the Vehicle Code

S & S Cycle, Inc.
Diamondback 2-1

WHEREAS, Pursuant to the authority vested in the California Air Resources Board (CARB) by Sections 27156 and 38391 of the Vehicle Code and Title 13, California Code of Regulations (hereafter "CCR") Section 2222(j); and

WHEREAS, S & S Cycle, Inc. (S & S) has applied to CARB for an exemption from the prohibitions of Vehicle Code sections 27156 and 38391 to market its Diamondback 2-1 for 2017 to 2024 model-year (MY) Harley-Davidson Touring model on-highway motorcycles; and

WHEREAS, Pursuant to the authority vested in the undersigned by Section 39515 and Section 39516 of the Health and Safety Code and Executive Order G-19-095;

IT IS ORDERED AND RESOLVED: That the installation of the Diamondback 2-1 produced and marketed by S & S, 14025 County Highway G, Viola, Wisconsin, 54664 has been found not to reduce the effectiveness of the applicable vehicle pollution control systems or to cause the vehicle emissions to exceed applicable emission standards, and is therefore exempt from the prohibitions of Sections 27156 and 38391 of the Vehicle Code for the on-highway motorcycles as listed in Exhibit A.

The Diamondback 2-1 is a complete direct fit replacement exhaust system that fits in the same location as the stock exhaust system and replaces the stock 2-into-2 type exhaust with a 2-into-1 type exhaust with a single catalyst in the muffler. It is designed to work with the stock motorcycle's electronic control module and sensors in a closed-loop system that decreases restrictions in the exhaust system to maximize vehicle performance and efficiency. All other emission-related components are in the stock location.

This Executive Order is granted based on submitted test data from S&S on a 2022 MY Harley Davidson Road Glide Special model 1868cc with engine family NHDXC1.87AED. The durability and emissions test data were used to evaluate the S&S Diamondback 2-1. Test results showed that the Diamondback 2-1, when installed on the vehicle, did not cause the exhaust emissions to exceed the applicable emission standards during the Cold Start Federal Test Procedure.

BE IT FURTHER RESOLVED: That S & S has submitted materials demonstrating compliance with the emissions defects warranty requirements of section (c)(2) of the "California Evaluation Procedures for Aftermarket Critical Emission Control Parts on Highway Motorcycles."

BE IT FURTHER RESOLVED: That S & S must permanently identify its exempted aftermarket critical emission control part by direct stamping or embossment as required under section (c)(3) of the “California Evaluation Procedures for Aftermarket Critical Emission Control Parts on Highway Motorcycles.”

BE IT FURTHER RESOLVED: That S & S must retain records as required by section (c)(2)(D) of the “California Evaluation Procedures for Aftermarket Critical Emission Control Parts on Highway Motorcycles,” and to report warranty claim records for each part covered by this Executive Order, as required by section (c)(6) of said procedures.

BE IT FURTHER RESOLVED: That S & S must submit production reports for the exempted aftermarket critical emission control part as required by section (c)(5)(A) of the “California Evaluation Procedures for Aftermarket Critical Emission Control Parts on Highway Motorcycles.”

BE IT FURTHER RESOLVED: That S & S may be subjected to inspection and audit testing pursuant to section (c)(5)(B) of the “California Evaluation Procedures for Aftermarket Critical Emission Control Parts on Highway Motorcycles.”

This Executive Order is valid provided that the installation instructions for the Diamondback 2-1 will not recommend tuning the vehicle to specifications different from those submitted by S & S.

Changes made to the design or operating conditions of the devices, as exempted by CARB, that adversely affect the performance of the vehicle's pollution control system shall invalidate this Executive Order.

Marketing of these devices using any identification other than that shown in this Executive Order or marketing of this device for an application other than those specified in this Executive Order shall be prohibited unless prior approval is obtained from CARB.

This Executive Order does not constitute any opinion as to the effect the use of the Diamondback 2-1 may have on any warranty, either expressed or implied by the vehicle manufacturer; or compliance with any other state, federal, or local law, such as safety equipment requirements or noise limitations.

The aftermarket critical emission control part exempted under this Executive Order must conform to all applicable California emission regulations. This exemption does not constitute an exemption to sell, offer for sale, or advertise any components of the Diamondback 2-1 as individual devices.

Violation of any of the above conditions shall be grounds for revocation of this order. The order may be revoked only after a 30-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 30 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 on this 18th day of February 2025.

Robin U. Lang

Robin U. Lang, Chief
Emissions Certification and Compliance Division

Exhibit A

Device Name	Part Number	Model Years	Make	Model	Engine Displacement	Engine Family
Diamondback 2-1	550-0999, 550-1027	2017-2024	Harley-Davidson	Touring Models (Excluding Trike Models)	1746cc, 1868cc, 1923cc	HHDXC1.75AED, HHDXC1.87AEF, JHDXC1.75AED, JHDXC1.92AEF, JHDXC1.92AED, KHDXC1.75AED, KHDXC1.92AED, KHDXC1.92AEF, LHDXC1.75AED, LHDXC1.92AED, LHDXC1.92AEF, MHDXC1.87AED, MHDXC1.92AED, MHDXC1.92AEF, NHDXC1.87AED, NHDXC1.92AED, NHDXC1.92AEF, PHDXC1.87AED, PHDXC1.92AED, PHDXC1.92AEF, RHDXC1.87AED, RHDXC1.87AEF, RHDXC1.92AJM

Part numbers with a "0999" suffix have a brushed stainless finish.
Part numbers with a "1027" suffix have a black finish.