CALIFORNIA
AIR RESOURCES BOARD

EXECUTIVE ORDER D-550-49

Relating to Exemptions Under Section 27156
of the California Vehicle Code

Advanced Flow Engineering
Twisted Steel Headers

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-19-095;

IT IS ORDERED AND RESOLVED: That installation of the Twisted Steel Headers, manufactured and marketed by Advanced Flow Engineering, of 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 California Vehicle Code for the vehicles listed in Exhibit A.

The Twisted Steel Headers are designed to replace the factory exhaust manifolds. They are made out of 304 stainless steel. The factory oxygen sensors are reconnected to the Twisted Steel Headers.

The Twisted Steel Headers also include M18x1.5 thread auxiliary bungs that shall only be used for installing pyrometers or additional oxygen sensors. The pyrometers or oxygen sensors installed to the auxiliary bungs shall have a fitting of M18x1.5 thread and shall not be connected to the vehicle's electronic control units. In addition, factory sensors that come equipped on the vehicle shall not be disconnected and shall not be relocated to the auxiliary bungs. The auxiliary bungs, when not used, shall be closed off with supplied plugs.

This Executive Order is valid provided that the installation instructions for the Twisted Steel Headers 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 Twisted Steel Headers, as exempted by the California Air Resources Board, that adversely affect the performance of the vehicle's emission control system, shall invalidate this Executive Order.

This Executive Order shall not apply to any Twisted Steel Headers 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 Twisted Steel Headers using any identification other than those shown in this Executive Order or marketing of the Twisted Steel Headers 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.

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

Exemption of the Twisted Steel Headers shall not be construed as an exemption to sell, offer for sale, or advertise any component of the assembly as individual devices.

This Executive Order is granted based on information supplied by Advanced Flow Engineering, including emissions test data.

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. Further, if test results or other evidence provides the California Air Resources Board with reason to suspect that the Twisted Steel Headers will affect the durability of emission control systems, Advanced Flow Engineering 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 CALIFORNIA AIR RESOURCES BOARD OF ANY CLAIMS OF THE APPLICANT CONCERNING ANTI-POLLUTION BENEFITS OR ANY ALLEGED BENEFITS OF THE TWISTED STEEL HEADERS.

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.

Violation of any of the above conditions shall be grounds for revocation of this Executive Order. The Executive Order may be revoked only after a ten-day written notice of intention to revoke the Executive Order, in which period the holder of the Executive 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 Executive Order may not be revoked until a determination is made after the hearing that grounds for revocation exist.

Executed on this 11th day of October 2021.

Allen Lyons, Chief
Emissions Certification and Compliance Division

Exhibit A

Part Number ‡	Vehicle Model	Engine *
48-34148, 48-34148-H, 48-34148-T	2020 to 2021 Chevrolet Corvette	6.2L NA

‡ "-H" suffix is brushed finish. "-T" suffix is titanium ceramic finish.
No suffix is raw finish.

* NA denotes Naturally Aspirated.