

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER D-468  
Relating to Exemptions Under Section 27156  
of the Vehicle Code

BXR MANIFOLDS  
BXR INTAKE MANIFOLD

Pursuant to the authority vested in the 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-45-9;

IT IS ORDERED AND RESOLVED: That the installation of the BXR Intake Manifold, manufactured and marketed by BXR Manifolds, 199 McNamara Road, Spring Valley, New York 10977, 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 1989 to 1995 Ford Mustangs equipped with 5.0 liter engines.

The BXR Intake Manifold includes the following main components: BXR intake manifold, direct drive distributor, distributor drive crankshaft pulley adaptor, fuel rails, fuel rail extensions, assorted brackets, tubing, wiring harnesses, and hardware.

This Executive Order is valid provided that the installation instructions for the BXR Intake Manifold will recommend tuning the vehicle ignition timing to 6 degrees before top dead center (6 deg BTDC). The stock ignition timing specified by the original equipment manufacturer was 10 deg BTDC.

Changes made to the design or operating conditions of the BXR Intake Manifold, as exempt by the Air Resources Board, which adversely affect the performance of the vehicle's pollution control system shall invalidate this Executive Order.

Marketing of the BXR Intake Manifold using any identification other than that shown in this Executive Order or marketing of the BXR Intake Manifold for an application other than those listed in this Executive Order shall be prohibited unless prior approval is obtained from the Air Resources Board. Exemption of the BXR Intake Manifold shall not be construed as exemption to sell, offer for sale, or advertise any component of the kit as an individual device.

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

This Executive Order is granted based on changes in emissions measured using the Cold-Start CVS-75 Federal Test Procedure in the stock and modified (with BXR Intake Manifold equipped with the Hi-Power plenum covers) configurations. Results from emissions testing conducted at Echlin Automotive Test Center are shown below (in grams per mile):

Configuration	HC	CO	NOx
Stock	0.370	2.380	1.190
Modified	0.330	2.230	1.150
Change	-0.040	-0.150	-0.040
% Change	-10.81	-6.30	-3.36

Based on the test results, the staff concludes that the BXR Manifolds BXR Intake Manifold (when equipped with the Hi-Power plenum covers) meets the criteria for exempting general criteria parts as specified in the "Procedures for Exemption of Add-On and Modified Parts".

However, the ARB finds that reasonable grounds exist to believe that use of the BXR Manifolds BXR Intake Manifold may adversely affect emissions of motor vehicles when operating under conditions outside the parameters of the CVS-75 Federal Test Procedure. Accordingly, the ARB reserves the right to conduct additional emission tests, in the future, as such tests are developed, that will more adequately measure emissions from all cycle phases. If such test results demonstrate that the BXR Intake Manifold adversely affects emissions during off-cycle conditions (defined as those conditions which are beyond the parameters of the Cold-Start CVS-75 Federal Test Procedure), this Executive Order shall be effectively rescinded as of the date the test results are validated. Further, if such test results or other evidence provides the ARB with reason to suspect that the BXR Intake Manifold will affect the durability of the emission control system, BXR Manifolds shall be required to submit durability data to show that the durability of the vehicle emission control system is not, in fact, affected and/or that the add-on or modified part demonstrates adequate durability.

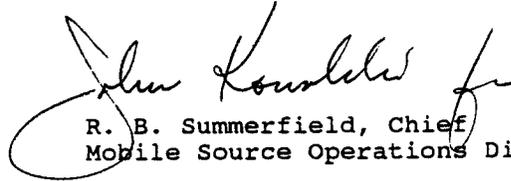
In addition to the foregoing, the ARB reserves the right in the future to review this Executive Order and the exemption provided herein to assure that the exempted add-on or modified part continues to meet the standards and procedures of Title 13, California Code of Regulations, Section 2222, et seq.

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 BXR MANIFOLDS' BXR INTAKE MANIFOLD.

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 after hearing that grounds for revocation exist.

Executed at El Monte, California, this 5<sup>th</sup> day of November 1998.



R. B. Summerfield, Chief  
Mobile Source Operations Division