

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER D-167-18  
Relating to Exemptions Under Section 27156  
of the Vehicle Code

HEDMAN HEDDERS  
TUBULAR EXHAUST MANIFOLD SYSTEM

Pursuant to the authority vested in the Air Resources Board (ARB) by Section 27156 of the Vehicle Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-45-9;

IT IS ORDERED AND RESOLVED: That installation of the Tubular Exhaust Manifold System, manufactured by Hedman Heddners of 9599 Jefferson Boulevard, Culver City, California 90232, has been found not to reduce the effectiveness of the applicable vehicle pollution control system, and therefore, the exhaust headers are exempt from the prohibitions of Section 27156 of the Vehicle Code for installation on the following Ford Motor Company trucks:

<u>Part No.</u>	<u>Vehicle MY</u>	<u>Vehicle Model</u>	<u>Engine</u>
89420	89420-6*	1986-1996 Ford F150/250, Bronco 2&4WD <u>with EGR and without A.I.R.</u>	5.8 liter
89421	89421-6*	1986-1991 Ford F150/250, Bronco 2&4WD <u>with EGR and A.I.R.</u>	5.8 liter
89470	89470-6*	1986-1996 Ford F150/250, Bronco 2&4WD <u>without EGR or A.I.R.</u>	5.0 liter

\* Headers with HTC metallic thermal coating

This exemption is based on an emission test conducted by Hedman Heddners on a 1997 model-year 4.6 liter Ford F-150 truck. Hedman Heddners submitted the following Cold-Start CVS-75 Federal Test Procedure emission results:

	<u>THC</u>	<u>CO</u>	<u>NOx</u>
	<u>(grams per mile)</u>		
Baseline	0.110	1.624	0.043
With Headers	0.125	1.691	0.066
Difference	0.015	0.067	0.023
Allowable Limit	0.10	1.0	0.10

The test data show that the exhaust headers did not adversely affect the exhaust emissions of the 1997 model-year Ford truck. The same emissions impact is expected when the exhaust headers are installed on the vehicles for which the exemption is requested.

This Executive Order is valid provided that installation instructions for the exhaust headers not recommend tuning the vehicles to specifications different from those of the vehicle manufacturer.

Changes made to the design or operating conditions of the exhaust headers, as exempt by the ARB, which adversely affect the performance of the vehicles' pollution control system, shall invalidate this Executive Order.

Marketing of the exhaust headers using identification other than that shown in this Executive Order or for an application other than that listed in this Executive Order shall be prohibited unless prior approval is obtained from the ARB. Exemption of the exhaust headers shall not be construed as exemption to sell, offer for sale, or advertise any component of the exhaust headers as an individual device.

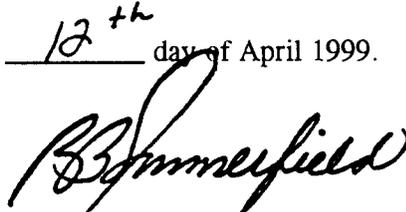
This Executive Order does not constitute any opinion as to the effect the use of the exhaust headers may have on any warranty either expressed or implied by the vehicle manufacturer.

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.

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 HEDMAN HEDDERS' TUBULAR EXHAUST MANIFOLD SYSTEM.

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 after the hearing that grounds for revocation exist.

Executed at El Monte, California, this 12<sup>th</sup> day of April 1999.



R. B. Summerfield, Chief  
Mobile Source Operations Division