

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER D-161-19
Relating to Exemptions Under Section 27156
of the Vehicle Code

GALE BANKS ENGINEERING
EXHAUST CROSSOVER PIPES, PART NOS., 52702-STD AND 52702-HO,
FOR 1982-1991 CHEVROLET CAMAROS AND PONTIAC FIREBIRDS
EQUIPPED WITH V8 ENGINES

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-45-5;

IT IS ORDERED AND RESOLVED: That the installation of the exhaust crossover pipes part nos. 52702-STD and 52702-HO manufactured by Gale Banks Engineering have been found not to reduce the effectiveness of required motor vehicle pollution control devices and, therefore is exempt from the prohibitions of Section 27156 of the Vehicle Code for 1982 through 1991 model year Chevrolet Camaros and Pontiac Firebirds equipped with V8 engines.

This exemption shall not apply to any device, apparatus, or mechanism advertised, offered for sale or sold with, or installed on, a motor vehicle prior to or concurrent with transfer to an ultimate purchaser.

This Executive Order is valid provided that installation instructions for this device will not recommend tuning the vehicle to specifications different from those submitted by the system manufacturer.

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

Marketing of this system using an identification other than that shown in this Executive Order or marketing of this system 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 a kit shall not be construed as exemption to sell, offer for sale, or advertise any component of a kit as an individual device.

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

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 THE GALE BANKS ENGINEERING EXHAUST CROSSOVER PIPES.

No claims 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.

Section 17500 of the Business and Professions Code makes untrue or misleading advertising unlawful, and Section 17534 makes violation punishable as a misdemeanor.

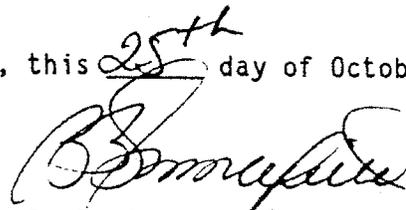
Section 43644 of the Health and Safety Code provides as follows:

"43644, (a) No person shall install, sell, offer for sale, or advertise, or, except in an application to the state board for certification of a device, represent, any device as a motor vehicle pollution control device for use on any used motor vehicle unless that device has been certified by the state board. No person shall sell, offer for sale, advertise, or represent any motor vehicle pollution control device as a certified device which, in fact, is not a certified device. Any violations of this subdivision is a misdemeanor."

Any apparent violation of the conditions of this Executive Order will be submitted to the Attorney General of California for such action as he deems advisable.

Executive Order D-161-16, dated September 6, 1989, is superseded and of no further force and effect.

Executed at El Monte, California, this ^{25th} day of October, 1990.



R. B. Summerfield
Assistant Division Chief
Mobile Source Division

State of California
AIR RESOURCES BOARD

EVALUATION OF GALE BANKS ENGINEERING'S EXHAUST CROSSOVER PIPES PART
NOS. 52702-STD AND 52702-HO FOR 1982-1991 CHEVROLET CAMAROS AND PONTIAC
FIREBIRDS EQUIPPED WITH V8 ENGINES

October 1990

State of California
AIR RESOURCES BOARD

EVALUATION OF GALE BANKS ENGINEERING'S EXHAUST CROSSOVER PIPES PART
NOS. 52702-STD AND 52702-HO FOR 1982-1991 CHEVROLET CAMAROS AND PONTIAC
FIREBIRDS EQUIPPED WITH V8 ENGINES

by

Mobile Source Division

State of California
Air Resources Board
9528 Telstar Avenue
El Monte, CA 91731

(This report has been reviewed by the staff of the California Air Resources Board and approved for publication. Approval does not signify that the contents necessarily reflect the views and policies of the Air Resources Board, nor does mention of trade names or commercial products constitute endorsement or recommendation for use.)

SUMMARY

Gale Banks Engineering (Banks) has requested an update to Executive Order D-161-16, which exempts their exhaust crossover pipes part nos. 52702-STD and 52702-H0 from the prohibitions in California Vehicle Code Section 27156. The exemption covered installation of the crossover pipes on 1982-1990 model year Chevrolet Camaros and Pontiac Firebirds equipped with V8 engines. Banks requests an update to include the 1991 model year Camaro and Firebirds equipped with V8 engines.

Based on the previously submitted information of exhaust emissions from a 1985 Pontiac Firebird and based on the fact that the 1991 model year fuel-injected engines are carry-overs from the 1985 models, the staff concludes that the installation of the Banks crossover pipes will not adversely affect exhaust emissions from the vehicles for which the update is requested.

The staff recommends that Banks be granted an update as requested and that Executive Order D-161-19 be issued.

TABLE OF CONTENTS

	Page Number
SUMMARY	i
CONTENTS	ii
I. INTRODUCTION	1
II. CONCLUSION	1
III. RECOMMENDATIONS	1
IV. DEVICE DESCRIPTION AND OPERATION	2
V. DEVICE EVALUATION	2
<u>APPENDIX A</u> Installation Instructions	4
<u>APPENDIX B</u> Identification Label	5

EVALUATION OF GALE BANKS ENGINEERING'S EXHAUST CROSSOVER PIPES PARTS
NO. 52705-STD AND 52705-HO FOR 1982-1991 CHEVROLET CAMAROS AND PONTIAC
FIREBIRDS EQUIPPED WITH V8 ENGINES

I. INTRODUCTION

Gale Banks Engineering (Banks) of 546 Duggan Avenue, Azusa CA 91702, has requested an update to Executive Order D-161-16, which exempts their exhaust crossover pipes part nos. 52702-STD and 52702-HO from the prohibitions in Vehicle Code Section 27156. The exemption covered installation of the crossover pipes on 1982-1990 model year Chevrolet Camaros and Pontiac Firebirds equipped with V8 engines. Banks requests an update to include 1991 model year Camaros and Firebirds equipped with V8 engines.

Banks has previously submitted a completed application with all the necessary information and comparative exhaust emission data.

II. CONCLUSIONS

Based on the previously submitted information of exhaust emissions from a 1985 Pontiac Firebird and based on the fact that the 1991 model year fuel-injected engines are carry-overs from the 1985 model year, the staff concludes that the installation of the Banks crossover pipes will not adversely affect exhaust emissions from the vehicles for which the exemption update is requested.

III. RECOMMENDATIONS

The staff recommends that Banks be granted an exemption for their crossover pipes to include the 1991 Chevrolet Camaros and Pontiac Firebirds equipped with V8 engines and that Executive Order D-161-19 be issued.

IV. DEVICE DESCRIPTION AND OPERATION

The Banks crossover pipes are high quality replacements for the original equipment manufacturer (OEM) crossover pipes found on 1982-1991 Camaros and Firebirds equipped with V8 engines. The function of exhaust crossover pipes (both OEM and Banks) is to route exhaust gases from the two exhaust manifolds of the V8 engines into a common pipe which then feeds to the catalytic converter. The OEM crossover pipes are press bent and the connection between the two manifold runner is a T-type joint. This configuration is restrictive and the T-type joint causes high turbulence. The Banks crossover pipes are designed to eliminate this restriction and turbulence and improve engine performance. The Banks crossover pipes use larger tubing which is mandrel bent to provide smoother bends and the two manifold runners are connected with a Y-type joint to reduce turbulence.

Two slightly different crossover pipes are necessary to cover all 1982-1991 Camaros and Firebirds equipped with V8 engines because the carbureted engines have different exhaust manifolds than the fuel-injected engines. Banks part no. 52702-H0 is for fuel-injected engines and no. 52702-STD is for carbureted engines.

The installation of the Banks crossover pipes does not require the disconnection or removal of any OEM emission control components nor alter the location of the catalytic converter. Installation instructions, included in every kit, show how to properly install the Banks crossover pipes (Appendix A). The Banks kit identification label is shown in Appendix B.

V. DEVICE EVALUATION

Banks crossover pipes for 1982-1990 Camaros and Firebirds equipped with V8 engines were granted an exemption (E.O. D-161-16) on September 6, 1989.

The exemption was granted on the basis that Banks crossover pipes appeared to be as durable as the OEM crossover pipes which they are designed to replace and that the effectiveness of the vehicle's pollution control system was not reduced.

Gale Banks Engineering is making their Banks crossover pipes available for installation on 1991 Camaros and Firebirds equipped with V8 engines. The Banks crossover pipes are identical to those previously exempted by the Air Resources Board.

In response to the request, the staff compared the engine design of the 1985-1991 models. The staff found that the exhaust crossover pipes would not affect the on-board diagnostic system. Since the engines of the 1991 model year Chevrolet Camaros and Pontiac Firebirds equipped with V8 engines are carry-overs from 1985-1990 model years, and based on the previously submitted information as well as the comparative exhaust emission tests performed on a 1985 Pontiac Firebird equipped with a 305 CID V8 gasoline fuel-injected engine, the staff is of the opinion that the installation of the Banks crossover pipes will not adversely affect exhaust emissions from the vehicles for which the exemption update is requested.