

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER D-212  
Relating to Exemptions Under Section 27156  
of the Vehicle Code

B & D RESEARCH AND DEVELOPMENT  
MAGNA CHARGER MODEL NUMBER MC10A

WHEREAS, Vehicle Code Section 27156 and Title 13, California Code of Regulations (hereafter "CCR") Section 2222(e), authorize the California Air Resources Board (ARB) and its Executive Officer to exempt add-on and modified parts from the prohibitions of Vehicle Code Section 27156.

WHEREAS, B & D Research and Development has applied to the ARB for exemption from the prohibitions of Vehicle Code Section 27156 for the Magna Charger model number MC10A.

WHEREAS, pursuant to the authority vested in the Executive Officer by Health and Safety Code Section 39515 and in the Chief, Mobile Source Division by Health and Safety Code Section 39516 and Executive Order G-45-5, the Air Resources Board finds:

1. The Magna Charger model number MC10A is an add-on device attached to the fuel line in a motor vehicle.
2. The Magna Charger model number MC10A is intended for use with a required motor vehicle pollution control system.
3. The Magna Charger model number MC10A by being installed in the fuel line alters the original design of a motor vehicle pollution control system.
4. The Magna Charger model number MC10A is a device subject to the prohibitions of Vehicle Code Section 27156 and add-on part as defined by 13 CCR Section 1900(b)(1).
5. The Magna Charger model number MC10A does not reduce the effectiveness of any required motor vehicle pollution control device.
6. The Air Resources Board, in the exercise of technical judgement, is aware of no basis on which the Magna Charger model number MC10A will provide an increase in fuel economy.

7. It has not been determined what effect use of the Magna Charger model number MC10A may have on any warranty, either expressed or implied, by the manufacturer of a motor vehicle on which the device is installed.
8. The Magna Charger model number MC10A is not a certified motor vehicle pollution control device pursuant to Health and Safety Code Section 43644.
9. The Air Resources Board by granting an exemption to B & D Research and Development for the Magna Charger model number MC10A does not recommend or endorse in any way the Magna Charger model number MC10A for emissions reduction, fuel economy, or any other purpose.

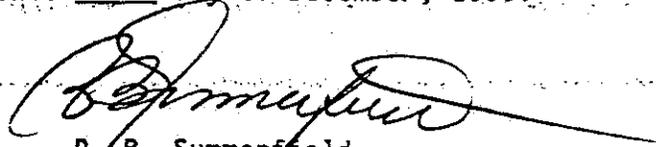
IT IS HEREBY RESOLVED that the Magna Charger model number MC10A is exempt from the prohibitions of Vehicle Code Section 27156 for installation as specified. Model number MC10A for 1990 and older model year light duty vehicles.

1. 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.
2. No changes are permitted to the device as described in the application for exemption. Any changes to the device, applicable model year, or other factors addressed in this order must be evaluated and approved by the Air Resources Board prior to marketing in California.
3. Marketing of this device using an identification other than that shown in this Executive Order or marketing of this device for an application other than those listed in the Executive Order shall be prohibited unless prior approval is obtained from the Air Resources Board. Exemption of this product shall not be construed as an exemption to sell, offer for sale, or advertise any component of the product as an individual device.
4. Any oral or written references to this Executive Order or its content by B & D Research and Development, its principals, agents, employees, distributors, dealers, or other representatives must include the disclaimer that the Executive Order or the exemption it provides is not an endorsement or approval of any fuel economy or emissions reduction claims for the Magna Charger model number MC10A and is only a finding that the device is exempt from the prohibitions of Vehicle Code Section 27156.

5. 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 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 13<sup>th</sup> day of December, 1990.



R. B. Summerfield  
Assistant Division Chief  
Mobile Source Division

State of California  
AIR RESOURCES BOARD

EVALUATION OF MAGNA CHARGER BY B & D RESEARCH AND DEVELOPMENT  
MODEL NUMBER MC10A FOR EXEMPTION FROM THE PROHIBITIONS OF VEHICLE  
CODE SECTION 27156 IN ACCORDANCE WITH SECTION 2222, TITLE 13, OF THE  
CALIFORNIA CODE OF REGULATIONS

December 1990

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AIR RESOURCES BOARD

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by

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(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

B & D Research and Development, of 15948 Arminta St., Van Nuys, CA 91406, has applied for an exemption from the prohibitions in Section 27156 of the California Vehicle Code for the Magna Charger model number MC10A. The Magna Charger model number MC10A is designed for installation on 1990 and older model year light duty vehicles.

Previously, the Air Resources Board exempted three similar devices; "Polarion-X" by AZ Industries, Inc., "Petro-Mizer MKI" by P and M Research and Development Laboratory, and "Fuel Energizer" by Magnetizer Group, Inc., with the same basic operating principles. Based on the engineering evaluation of the device and exemption of similar devices, the staff believes the Magna Charger model number MC10A does not have any adverse effect on exhaust emissions. The staff recommends the Magna Charger model number MC10A be exempted from the prohibitions in Vehicle Code Section 27156 and that Executive Order D-212 be issued.

TABLE OF CONTENTS

	Page Number
SUMMARY	i
CONTENTS	ii
I. INTRODUCTION	1
II. CONCLUSION	1
III. RECOMMENDATION	1
IV. DESCRIPTION	2
V. DISCUSSION	2
APPENDIX	3
APPENDIX A: INSTALLATION INSTRUCTIONS	4

SECTION 10 continuation.

(2) Companies or Persons Licensed to Manufacture not available at this time.

INSTALLATION INSTRUCTIONS

PICTURE SHOWN WILL BE THE SAME AS DRAWN ON SECTION 10 C PREVIOUS PAGE

1. DETERMINE WHERE FUEL LINE ENTERS CARBURETOR OR FUEL INJECTOR. FUEL LINE MUST BE NON-FERROUS OR NON-MAGNETIC. (I.E., RUBBER, BRASS, COPPER OR STAINLESS STEEL) CHECK THIS SIMPLY BY SEEING IF FUEL CHARGER IS ATTRACTED TO IT. IF THE FUEL LINE IS MAGNETIC, YOU MUST REPLACE THAT PORTION OF THE FUEL LINE, PREFERABLE NEXT TO CARBURETOR OR NEAR TO FUEL INJECTOR.
2. SELECT PORTION OF FUEL LINE NEAREST TO CARBURETOR OR FUEL INJECTOR THAT IS STRAIGHT FOR ABOUT 2 INCHES AND HAS APPROPRIATE CLEARANCE ALL AROUND UNIT. INSTALLATION MUST BE AT LEAST 6 INCHES AWAY FROM EXHAUST MANIFOLD OR EXHAUST PIPE.
3. SANDWICH FUEL LINE WITH BOTTOM & UPPER HALVES OF FUEL CHARGER AS SHOWN IN FIGURE A, AND ADD FLAT WASHER, THEN LOCK WASHER & SCREW INTO TAP HOLE AT SLOT AREA ON BOTH SIDES & TIGHTEN SCREWS WITH A SLOT HEAD SCREW DRIVER UNTIL LOCK WASHER HAS BEEN FLATTENED. SEE FIGURE B FOR SEQUENCE OF HARDWARE.

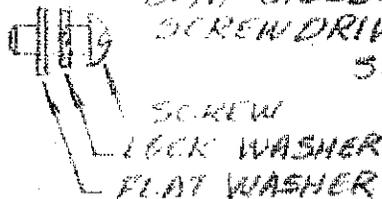


FIG. B