

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER D-311  
Relating to Exemptions Under Section 27156  
of the Vehicle Code

ENVIRON RESEARCH CORP.  
TURBOBEAM 2000

WHEREAS, Vehicle Code Section 27156 and Title 13 California Code of Regulations (hereafter "CCR") Section 2222(e), authorizes 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, Environ Research Corp. has applied to the ARB for exemption from the prohibitions of Vehicle Code Section 27156 for the Turbobeam 2000 Device.

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 ARB finds:

1. The Turbobeam 2000 is an add-on device that is attached to the fuel line in a motor vehicle.
2. The fuel line is part of the required motor vehicle pollution control system.
3. The Turbobeam 2000 is intended for use with a required pollution control system.
4. The Turbobeam 2000 by being installed on the fuel line alters the original design of a motor vehicle pollution control system.
5. The Turbobeam 2000 is a device subject to the prohibitions of Vehicle Code Section 27156 and an add-on part as defined by 13 CCR Section 1900(b)(1).
6. The Turbobeam 2000 does not reduce the effectiveness of any required motor vehicle pollution control device.
7. The ARB, in the exercise of technical judgement, is aware of no basis on which the Turbobeam 2000 will provide either a decrease in emission or an increase in fuel economy.
8. It has not been determined what effect use of the Turbobeam 2000 may have on any warranty, either expressed or implied, by the manufacturer of a motor vehicle on which the device is installed.

9. The Turbobeam 2000 is not a certified motor vehicle pollution control device pursuant to Health and Safety Code Section 43644.
10. The ARB by granting an exemption to Environ Research Corp. for the Turbobeam 2000 does not recommend or endorse in any way the Turbobeam 2000 for emissions reduction, fuel economy, or any other purpose.

IT IS HEREBY RESOLVED that the Turbobeam 2000 is exempt from the prohibitions of Vehicle Code Section 27156 for installation on 1993 and earlier model-year vehicles with diesel engines subject to the following conditions:

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 ARB 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 ARB. 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 the Environ Research Corp., 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 Turbobeam 2000 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 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 11<sup>th</sup> day of March, 1993.



R. B. Summerfield  
Assistant Division Chief  
Mobile Source Division

State of California  
AIR RESOURCES BOARD

EVALUATION OF THE ENVIRON RESEARCH CORPORATION'S TURBOBEAM 2000  
FOR EXEMPTION FROM THE PROHIBITIONS OF VEHICLE CODE SECTION  
27156 IN ACCORDANCE WITH SECTION 2222, TITLE 13, OF THE  
CALIFORNIA CODE OF REGULATIONS

March 1993

State of California  
AIR RESOURCES BOARD

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by

Mobile Source Division  
State of California  
Air Resources Board  
9528 Telstar Avenue  
El Monte, CA 91731-2990

(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

Environ Research Corp. of 18 Corporate Plaza, Newport Beach, California 92660, has applied for exemption from the prohibitions in Section 27156 of the California Vehicle Code for the TURBOBEAM 2000 device. The device is designed for installation on 1993 and older model-year vehicles with diesel engines.

Previously the Air Resources Board (ARB) exempted three similar devices; "Fuel Charger" by J. A. Lance Company, Inc., "Fuel-Energizer" by the Magnetizer Group, Inc. and "Magna Charger" by B & D Research and Development. Based on the engineering evaluation of the TURBOBEAM 2000 device and exemptions issued for the devices that operate in a manner similar to the TURBOBEAM 2000, the staff believes that the TURBOBEAM 2000 will not have any adverse effects on the exhaust emissions from vehicles with diesel engines.

The staff recommends that the TURBOBEAM 2000 device be exempted from the prohibitions in Vehicle Code Section 27156 and that Executive Order D-311 be issued.

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I. INTRODUCTION

Environ Research Corp. of 18 Corporate Plaza, Newport Beach, California 92660, has applied for an exemption from the prohibitions of Vehicle Code Section (VC) 27156 for the TURBOBEAM 2000 device. The device is designed for installation on 1993 and older model-year vehicles with diesel engines. The applicant submitted installation instructions and drawings of the device for our evaluation.

II. CONCLUSION

Previously, the Air Resources Board (ARB) exempted three similar devices; "Fuel Charger" by J. A. Lance Company, Inc., "Fuel-Energizer" by the Magnetizer Group, Inc. and "Magna Charger" by B & D Research and Development". Based on the engineering evaluation of the device and the exemptions issued to other devices that operate in a manner similar to the TURBOBEAM 2000, the staff has determined the TURBOBEAM 2000 will not have any adverse effects on the exhaust emissions from vehicles with diesel engines.

III. RECOMMENDATION

The staff recommends that Environ Research Corp. be granted an exemption from the prohibitions in California Vehicle Code Section 27156 for the TURBOBEAM 2000 device and that Executive Order D-311 be issued.

IV. DEVICE DESCRIPTION

The TURBOBEAM 2000 consists of four cobalt iron magnets fixed to a section of stainless steel fuel line. The total length of the device is 6 inches. A grounding wire is also included to ground the device to the vehicles electrical ground or engine block.

V. DISCUSSION

Environ Research Corp. claims that the TURBOBEAM 2000, when installed on a vehicle's fuel line, magnetically treats fluid hydrocarbon fuels. The manufacturer stated that the device imposes an electromotive force on the device which causes the molecular structure to be aligned. The manufacturer claims this device decreases emissions and increases efficiency. The ARB did not perform any testing on the device to substantiate the claims made by the manufacturer. However, it is the staff's opinion that the technical principles underlying the stated function of the device are not capable of producing any effects on emissions and fuel economy.

The ARB previously exempted three similar devices; "Fuel Charger" by J. A. Lance Company, Inc., "Fuel-Energizer" by the Magnetizer Group, Inc. and "Magna Charger" by B & D Research and Development". Because of previous exemptions issued to similar devices with the same operating principle as the TURBOBEAM 2000 and the fact that qualifying for an exemption is based on not adversely affecting exhaust emissions, the staff recommends that Environ Research Corp. be granted an exemption as requested.

**APPENDIX**

0. (b)

**TURBOBEAM 2000**

**Molecular Fuel Flow Controller**

**CONTROL SYSTEMS, INC.** Newport Beach, CA  
(714) 720-3656



Specializing  
in  
Water Conservation  
and Air Pollution  
Environmental Protection Systems

Presents

**The**  
**ULTRABEAM 7000™**  
**System**

18 Corporate Plaza Drive, Newport Beach, CA 92660

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## **FUEL LINE INSTALLATION**

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### **LIQUID FUELS:**

1. Install on fuel line, close to injectors.  
ON VEHICLES EQUIPPED WITH COMPUTERIZED FUEL DISTRIBUTION, MAINTAIN A 10" MINIMUM CLEARANCE FROM THE COMPUTER BRAIN.
2. Ground fuel line to electrical ground or engine block.

By passing the fuel through the TurboBeam 2000, ionization of the hydrocarbon atoms takes place instantly, making the fuel more conductive to ignition by the heat of extreme compression in a diesel engine.

Since the entire content of fuel is more conductive, combustion is more complete, reducing harmful emissions and generally improving performance and fuel efficiency. The fuel flow becomes polarized, evenly charged - which results in a more even and less abrasive spray pattern through the injectors.

Fuels vary a great deal, but all fuels seem to burn more efficiently, when conditioned with the TurboBeam 2000 system.

**ENVIRON RESEARCH CORPORATION**

10. (d) [REDACTED]

THIS ENGINE EQUIPPED WITH  
TURBOBEAM 2000 - MOLECULAR FUEL CONTROLLER

CONTROL SYSTEMS, INC.  
Div. Environ Research Corp.

ARB E.O. No. D-XXXX