

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER D-188-5  
Relating to Exemptions Under Section 27156  
of the Vehicle Code

TRI-D INDUSTRIES, INC.  
"NEW AFTERMARKET CATALYTIC CONVERTERS"

WHEREAS, Vehicle Code Sections 27156 and 38391, and Title 13, California Code of Regulations (hereafter "CCR") Section 2222(h), authorize the California Air Resources Board (ARB) and its Executive Officer to exempt new aftermarket catalytic converter from the prohibitions of Vehicle Code Section 27156.

WHEREAS, TRI-D Industries, Inc. (TRI-D) of 33 Park Drive, Port Clinton, Ohio 43452 (now a Division of Redem Technologies, Inc.), has applied to the ARB to amend their previous Executive Orders (E.O.) to reflect changes in the series part numbering system. All TRI-D's new aftermarket catalytic converters have been exempted from the prohibitions in Vehicle Code Sections 27156 and 38391, and currently marketed in California. This new E.O. allows TRI-D to market the aftermarket catalytic converters with new series part numbering system as shown below. The new aftermarket catalytic converters are not exempted for use on vehicles equipped with an on-board diagnostic II system.

Series Number	Catalyst Type or Use	Eng. Displacement	Veh. Test Weight
TD 2000 TD 4000	2-Way (OC) 2-Way	5.7L (350 CID) 3.8L (231 CID)	5,250 pounds (lbs.) 3,750 lbs.
TD 6000 TD 7000 TD 8000	3-Way (TWC) + OC TWC OC	5.7L 3.8L 5.7L	4,000 lbs. 3,750 lbs. 4,000 lbs.
TD 6100/TD 4400 TD 7100/TD 4100 TD 8100/TD 4800	TWC + OC TWC OC	5.0L (302 CID) 3.8L 5.0L	4,500 lbs. 4,250 lbs. 4,500 lbs.
TD 5500 TD 5000 TD 5100	TWC + OC TWC OC	5.9L (360 CID) 5.9L 5.9L	6,000 lbs. 6,000 lbs. 6,000 lbs.
HP 5500 HP 5000 HP 5100	TWC + OC TWC OC	5.9L 5.9L 5.9L	6,000 lbs. 6,000 lbs. 6,000 lbs.

WHEREAS, pursuant to the authority vested in the Executive Officer by Health and Safety Code Section 39515 and in the Chief, Mobile Source Operations Division by Health and Safety Code Section 39516 and Executive Order G-45-9, the ARB finds that the aftermarket catalytic converters comply with the California Vehicle Code Section 27156 and Title 13, California Code of Regulations, Section 2222(h). Emission performance of the catalytic converters was based on durability mileage accumulation on the catalysts for 25,000 miles using vehicles approved by the ARB and AMA driving cycle (Reference Appendix IV, Title 40, part 86, Code of Federal Regulations (June 28, 1977)).

Whereas, emissions tests conducted at independent laboratories showed that the conversion efficiencies of the catalytic converters meet the minimum

requirements for new aftermarket catalytic converters under California Evaluation Procedures for New Aftermarket Non-OEM Catalytic Converters.

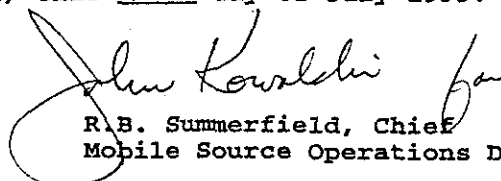
IT IS HEREBY RESOLVED that the catalytic converters are exempt from the prohibitions in Vehicle Code Section 27156 for installation on the approved application vehicles subject to the following conditions:

1. No changes are permitted to the catalytic converters as described in the application for exemption. Any changes to the catalytic converters or any of their components, and other factors addressed in this order must be evaluated and approved by the ARB prior to marketing in California.
2. Marketing of the catalytic converters using identifications other than those shown in the exemption application, and in this Executive Order, or marketing of the catalytic converters for application other than the ones shown in this Executive Order shall be prohibited unless prior approval is obtained from the ARB. Exemption of these catalytic converters shall not be construed as an exemption to sell, offer for sale, or advertise any components of the catalytic converters as individual devices.
3. Any oral or written references to this Executive Order or its content by TRI-D, 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 emission reduction claims for the catalytic converters and is only a finding that the catalytic converters are exempt from the prohibitions of Vehicle Code Section 27156.
4. TRI-D's installation instructions for the new catalytic converters must conform to requirements in Paragraphs I and IX of California Evaluation Procedures for New Aftermarket Non-Original Equipment Catalytic Converters.
5. Upon installation, the catalytic converters must carry a manufacturer's warranty for 25,000 miles on the substrates and 50,000 miles or five years on the shell and end pipes.

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 it, during 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 is made, after the hearing, that grounds for revocation exist.

Executive Orders Nos. D-188, D-188-1, D-188-2, D-188-3, and D-188-4, dated March 7, 1989, September 21, 1989, February 31, 1994, March 6, 1997, and March 25, 1997, respectively are hereby superseded and of no further force and effect.

Executed at El Monte, California, this 20<sup>th</sup> day of July 1999.

  
R.B. Summerfield, Chief  
Mobile Source Operations Division