

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER D-280-24  
Relating to Exemptions under Section 27156  
of the Vehicle Code

AirTek, Inc. (d.b.a. Catco)  
"Series 612000 OBD II Compliant Three-way Catalytic Converter"

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

WHEREAS, AirTek, Inc. (AirTek) of 4410 W. 37<sup>th</sup> Avenue, Hobart, Indiana 46342, has applied to the Air Resources Board for exemption from the prohibitions in Vehicle Code Sections 27156 and 38391 to market its new aftermarket Series 612000 three-way catalytic converter (TWC) for installation on 1996 through 2001 Toyota passenger cars (PC) and light-duty trucks 1 (LDT1) equipped with on-board diagnostic II (OBD-II) systems as specified in Appendix D-280-24 and incorporated herein. The TWC will be used in a single exhaust system with one or two catalytic converters in series. The Series 612000 TWC may also be installed on non-OBD II vehicles (1995 and older) with similar exhaust configuration as those listed in Appendix D-280-24.

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-02-003, the Air Resources Board finds that the above aftermarket catalytic converter complies with the California Vehicle Code Section 27156 and Section 2222(h), Title 13, California Code of Regulations. The emissions performance of said catalytic converter was based on durability bench-aging by Southwest Research Institute, San Antonio, Texas, using the ARB-modified RAT-A bench-aging cycle for 75 hours, as specified in the "Optional Evaluation Procedures for New Aftermarket Non-original Equipment Catalytic Converters Equipped with On-Board Diagnostic II (OBD II) Systems."

WHEREAS, emissions tests conducted at the Ecologic Engine Testing Laboratory (Ecologic), Fullerton, California, with Series 612000 TWC installed on a 2000 1.8L Toyota Corolla, test group YTYXV01.8FFA, certified to the Low Emission Vehicle and passenger car emission standards (LEV/PC), showed that the catalytic converter met the applicable emission standards.

OBD II compatibility tests performed on the same test vehicle showed that Series 612000 TWC did not affect the vehicle's ability to perform OBD II system monitoring. Emission test results in grams per mile are shown below.

	<u>NMOG</u>	<u>CO</u>	<u>NOx</u>
PC 100K LEV standards	0.090	4.2	0.3
Average Series 612000 TWC Test Results	0.036	0.5	0.1

IT IS HEREBY RESOLVED that the above catalytic converter is exempt from the prohibitions in Vehicle Code Section 27156 for installation on the approved vehicle applications specified in Appendix D-280-24 subject to the following conditions:

1. No changes are permitted to the catalytic converter as described in the application for exemption. Any changes to the catalytic converter or any of its components, and other factors addressed in this order must be evaluated and approved by the Air Resources Board prior to marketing in California.
2. Marketing of the catalytic converter using identifications other than those shown in the exemption application, and in this Executive Order, or marketing of the catalytic converter for application other than the ones shown in this 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 components of the catalytic converter as individual devices.
3. Any oral or written references to this Executive Order or its content by AirTek, Inc., 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 converter and is only a finding that the catalytic converter is exempt from the prohibitions of Vehicle Code Section 27156.
4. AirTek, Inc.'s installation instructions for the new catalytic converter must conform to requirements in Paragraphs I and X of the "Optional Evaluation Procedures for New Aftermarket Non-original Equipment Catalytic Converters Equipped with On-Board Diagnostic II (OBD II) Systems."
5. Upon installation, the catalytic converter must carry a manufacturer's warranty for 50,000 miles on the substrates and 50,000 miles or five (5) years on the shell and end pipes.
6. AirTek, Inc. and its vendors may not advertise the new aftermarket catalytic converter as a "high or easy flow" catalytic converter or use any phrase that could make it appear to perform better than an original equipment manufacturer (OEM) catalytic converter.
7. AirTek, Inc., its associates, vendors, other businesses, and individuals may not sell or supply the substrates of the new aftermarket catalytic converter to a third party to be assembled in a different facility and marketed under this Executive Order.

8. Any marketing arrangement of the new aftermarket catalytic converter by a third party, which involves the use of packaging identification different from the ones described in this Executive Order, must be approved by Air Resources Board prior to shipment.

Executive Order D-280-15, dated March 10, 2006, is hereby superseded and of no further force and effect.

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 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.

Executed at El Monte, California, this 25<sup>th</sup> day of June 2008.



Annette Hebert, Chief  
Mobile Source Operations Division

APPENDIX D-280-24

AIRTEK, INC's SERIES 612000 OBDII TWC FOR TOYOTA PC/LDT1 VEHICLES

No.	Model Year	Vehicle Model	Engine Size	Engine Family	Certification Level	Weight Class	Exhaust Type	Total Converters	Converter Type	Monitored	Universal	Direct Fit	
1	1996	Paseo Tercel	1.5 Liter	TTY1.5VHGFEK	Tier 1	PC	S	1	TWC	1-at cat outlet	612004	TBD	
2		Corolla Celica	1.8 Liter 1.6 Liter	TTY1.8VJGIGK									
3		ES 300 Avalon Camry	3.0 Liter	TTY3.0VJGIGK									
4	1997	Paseo Tercel	1.5 Liter	VTY1.5VJGKEK									
5		Corolla Celica	1.8 Liter 1.6 Liter	VTY1.8VJGKEK									
6		ES 300 Avalon Camry	3.0 Liter	VTY3.0VJGKFK									
7	1998	Tercel	1.5 Liter	WTYXV01.5BBA									
8		Corolla	1.8 Liter	WTYXV01.8DXB									TLEV
9	1999	Paseo Tercel	1.5 Liter	XTYXV01.5BBA									Tier 1
10		Corolla	1.8 Liter	XTYXV01.8DXB									
11		Celica	2.2 Liter	XTYXV02.2DXD									TLEV
12		Avalon Solara	3.0 Liter	XTYXV03.0BBA									Tier 1

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No.	Model Year	Vehicle Model	Engine Size	Engine Family	Certification Level	Weight Class	Exhaust Type	Total Converters	Converter Type	Monitored	Universal	Direct Fit
13	2000	Echo	1.5 Liter	YTYXV01.5FFA	LEV	PC	S	1	TWC	1-at cat outlet	612004	TBD
14		Celica	1.8 Liter	YTYXV01.8DDB	TLEV							
15				YTYXV01.8DDC								
16		Corolla	YTYXV01.8FFA	LEV								
17		Camry Solara	3.0 Liter	YTYXV03.0BBA	Tier 1							
18	2001	Echo	1.5 Liter	1TYXV01.5FFA	LEV							
19		Celica	1.8 Liter	1TYXV01.8DDC	TLEV							
20				1TYXV01.8DDB								
21		Corolla	1TYXV01.8FFA	LEV								
22		Camry Solara	3.0 Liter	1TYXV03.0BBA	Tier 1							

ADDITIONAL VEHICLES 1

APPENDIX D-280-24												
AIRTEK, INC's SERIES 612000 OBDII TWC FOR TOYOTA PC/LDT1 VEHICLES												
No.	Model Year	Vehicle Model	Engine Size	Engine Family	Certification Level	Weight Class	Exhaust Type	Total Converters	Converter Type	Monitored	Universal	Direct Fit
23		Tacoma 2WD & 4WD	2.4L	TTY2.41HGKEK							612004	TBD
24		T-100 2WD, Tacoma 4WD, 4Runner 2WD	2.7L	TTY2.71HGKEK				1	TWC	1	612006	612067
25	1996	Tacoma 2WD	3.4L	TTY3.41JG1GK								612123
26		Tacoma 2WD	3.4L	TTY3.41JGFEK								
27		RAV 4	2.0L	TTY2.01JG2GK	Tier1	LDT1	S	2	TWC(2)	2	FIRST CONVERTER NO UNIVERSAL SECOND CONVERTER 612004	FIRST 612104 SECOND 612204
28		Tacoma 2WD	2.4L	VTY2.41HGKEK							612004	TBD
29	1997	Tacoma 4WD		VTY2.71JG2GK				1	TWC	1	612006	612067
30		4Runner 4WD	2.7L	VTY2.71JGKEK								
31		T-100 2WD		VTY2.71HGKEK								TBD

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AIRTEK, INC's SERIES 612000 OBDII TWC FOR TOYOTA PC/LDT1 VEHICLES

No.	Model Year	Vehicle Model	Engine Size	Engine Family	Certification Level	Weight Class	Exhaust Type	Total Converters	Converter Type	Monitored	Universal	Direct Fit	
32	1997	RAV 4	2.0L	VTY2.01JG2Gk	Tier1	LTD1	S	2	TWC(2)	2	FIRST CONVERTER NO UNIVERSAL SECOND CONVERTER 612004	FIRST 612104 SECOND 612204	
33	1998	Tacoma 2WD	2.4L	WTYXT02.4BBH				TLEV	1	TWC	1	612006	612004
34		Tacoma 4WD, 4 Runner 2WD, T-100 2WD	2.7L	WTYXT02.7BBH	612067								
35		Tacoma 4WD		WTYXT02.7DXH									
36		T-100 2WD, Tacoma 2WD	3.4L	WTYXT03.4BBH	612123								
37		Tacoma 2WD	2.4L	XTYXT02.4BBH	Tier1								TBD
38	1999	Tacoma 2WD & 4WD	2.7L	XTYXT02.7BBH				612240					
39	Tacoma 4WD	XTYXT02.7DXJ											
40	Tacoma 2WD	3.4L	XTYXT03.4BBH										
41	2000	Tacoma 2WD	2.4L	YTYXT02.4FFJ	LEV			2	TWC(2)	2	612004	FIRST 612040 SECOND 612240	
42		Tacoma 2WD & 4WD	2.7L	YTYXT02.7FFJ		612006							
43		Tacoma 2WD	3.4L	YTYXT03.4FFH			TBD						

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**AIRTEK, INC's SERIES 612000 OBDII TWC FOR TOYOTA PC/LDT1 VEHICLES**

No.	Model Year	Vehicle Model	Engine Size	Engine Family	Certification Level	Weight Class	Exhaust Type	Total Converters	Converter Type	Monitored	Universal	Direct Fit
44	2001	Tacoma 2WD	2.4L	1TYXT02.4FFH	LEV	LTD1	S	2	TWC(2)	2	612004	FIRST 612040
45		Tacoma 2WD & 4WD	2.7L	1TYXT02.7FFH								SECOND 612240
46		Tacoma 2WD	3.4L	1TYXT03.4FFH							612006	TBD