# State of California AIR RESOURCES BOARD

### **EXECUTIVE ORDER D-280-64**

Relating to Exemptions under Section 27156 and 38391 of the Vehicle Code

Airtek, Inc. (d.b.a. Catco)
"Series 610000 Three-way Catalytic Converter"

WHEREAS, Vehicle Code Sections 27156 and 38395, and Title 13, California Code of Regulations (hereafter "CCR") Section 2222(h), authorize the California Air Resources Board and its Executive Officer to exempt new aftermarket catalytic converters from the prohibitions of Vehicle Code Section 27156 and 38391.

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 610000 three-way catalytic converter (TWC) on selected 1995 through 2002 Suzuki passenger cars (PC) and light-duty trucks 1 (LDT1) equipped with on-board diagnostic II (OBD-II) systems as specified in Appendix D-280-64 and incorporated herein. Series 610000 TWC will be used for single or multiple catalytic converter applications as listed in Appendix D-280-64. This catalytic converter may be sold as a universal or direct fit system.

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 Sections 27156 and 38395 and Title 13, California Code of Regulations, Section 2222(h). Emission performance of the catalytic converter was based on durability bench-aging by Southwest Research Institute, San Antonio, Texas, using the Air Resources Board-modified RAT-A benchaging cycle for 75 hours, as specified in Appendix A to the "California Evaluation Procedures for New Aftermarket Catalytic Converters" as adopted on October 25, 2007.

WHEREAS, emissions tests conducted at the Ecologic Engine Testing Laboratory (Ecologic), Fullerton, California, with Series 610000 TWC installed on a 1997 3.0L Ford Taurus, test group VFM3.0V8G3EK, certified to the passenger car, Low Emission Vehicle emission standards (PC, LEV), showed that the catalytic converter met the applicable emission standards.

OBD II compatibility tests performed on the same test vehicle showed that Series 610000 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>	CO	NOx	<u>Remarks</u>
PC 100K LEV standards	0.090	4.2	0.3	
610000 TWC Test 1	0.030	0.6	0.1	Pass
610000 TWC Test 2	0.037	0.6	0.1	Pass

THEREFORE, IT IS HEREBY RESOLVED that Airtek, Inc.'s 610000 TWC is exempted from the prohibitions in Vehicle Code Sections 27156 and 38391 for installation on the approved vehicle applications specified in Appendix D-280-64 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 their 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 Sections 27156 and 38391.
- 4. Airtek, Inc.'s installation instructions for the new catalytic converter must conform to requirements in Section (h) of the "California Evaluation Procedures for New Aftermarket Catalytic Converters," as adopted October 25, 2007.
- 5. Installation of the catalytic converter shall not cause the relocation of an oxygen sensor. Oxygen sensors must be installed in the same location, position and orientation as prescribed in the original equipment manufacturer's configurations.
- 6. Upon installation, the catalytic converter must carry a manufacturer's warranty for five (5) years or 50,000 miles as prescribed in Section (f)(2) of the "California Evaluation Procedures for New Aftermarket Catalytic Converters," as adopted October 25, 2007.
- 7. Airtek, Inc. and its vendors may not advertise the new aftermarket catalytic converter as "high flow or easy flow" catalytic converter or use any phrase that could make them appear to perform better than the original equipment manufacturer (OEM) catalytic converters.
- 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 the Air Resources Board prior to shipment.
- 9. AirTek, its associates, vendors, other businesses, and individuals associated with AirTek, may not sell or supply new aftermarket catalytic converter substrates to a

third party to be assembled in a different facility and marketed under this Executive Order without approval from the Air Resources Board.

- 10. AirTek, Inc. shall comply with the quality control procedures and reporting requirements in Section (f)(5) of the "California Evaluation Procedures for New Aftermarket Catalytic Converters," as adopted October 25, 2007.
- 11. Quality control reports must be submitted on a quarterly basis and warranty information reports on a semi-annual basis, starting with periods covering January 1 through March 31, 2009 and January 1 through June 30, 2009, respectively.
- 12. AirTek, Inc. must provide a permanent label or stamp as specified under Section (f)(1) of the "California Evaluation Procedures for New Aftermarket Catalytic Converters," as adopted on October 25, 2007.
- 13. AirTek, Inc.'s vehicle application catalog must conform with the requirements as specified under Section (f)(4) of the "California Evaluation Procedures for New Aftermarket Catalytic Converters," as adopted on October 25, 2007.

Executive Order D-280-31 dated August 28, 2008, 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 30-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 30 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  $\underline{\mathcal{E}}$  day of December 2008.

Annette Hebert, Chief

Mobile Source Operations Division

				AIRTEK IN	C'S SERIES 610	0000 FOR		C/LDT1 VEHIC	CLES									
No.	Model Year	Vehicle Model	Engine Size	Engine Family	Certification Level	Weight Class	Exhaust Type	Total Converters	Converter Type	Monitored	Universal	Direct Fit						
1	1995	SWIFT	1.3L	SSK1.3V5GDFA		PC							TBD					
2		SIDEKICK & TRACKER	1.6L	TSK1.61JGHHB	TIER1	LTD1		1	TWC		612004	612174						
3		SIDEKICK	1.8L	TSK1.81JGHHB						<b>]</b> .								
4		METRO	1.0L	TSK1.0V5G2EK	TLEV			2	WUTWC/ TWC		WU- 612004R REAR 612004	WU-TBD REAR 612886						
5	1996	METRO HATCHBACK/ SEDAN, SWIFT	1.3L	TSK1.3V5GDFB		PC	PC	PC		1	TWC		612004	612096				
6		ESTEEM	1.6L	TSK1.6VHGDEB	TIER1												2	WUTWC/ TWC
7		X-90	1.00	TSK1.6VJGHHB			S			YES								
8		SIDEKICK & TRACKER		VSK1.61JGKHK			LTD1	·	1	TWC		612004	612174					
9		SIDEKICK SPORT	1.8L	VSK1.81JGKHK	· · · · · · · · · · · · · · · · · · ·	[101												
10			1.0L	VSK1.0V5G2EK	TLEV						WU- 612004R REAR 612004	WU-TBD REAR 612096						
11	1997	METRO	1.3L	VSK1.3V5G3GK	LEV PC	PC		2	WUTWC/ TWC		WU-TBD	WU- 612042 REAR 612342						
12		ESTEEM	1.6L	VSK1.6VHGFEK	TIER1	-					REAR 612004	WU- 612115R REAR 612315						
13		X-90		VSK1.6VJGKHK	TIER1			1	TWC		612004	612174						

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				AIRTEK IN	C'S SERIES 610	0000 FOR	SUZUKI P	C/LDT1 VEHIC	CLES			
No.	Model Year	Vehicle Model	Engine Size	Engine Family	Certification Level	Weight Class	Exhaust Type	Total Converters	Converter Type	Monitored	Universal	Direct Fit
14		SIDEKICK & TRACKER	1.6L	WSKXT1.59CMC	TIER1	LTD1		1	TWC		612004	612174
15		SIDEKICK SPORT	1.8L	WSKXT1.84CHC		2101		<u> </u>	1000	·		012174
16		METRO	1.0L	WSKXV.993TNC	TLEV					·	WU- 612004R REAR 612004	WU-TBD REAR 612096
17	1998	SWIFT & METRO	1.3	WSKXV1.30LNA	LEV	PC	S	2	WUTWC/ TWC		WU-TBD REAR 612004	WU- 612042 REAR 612342
18		ESTEEM	1.6L	WSKXV1.59TNS	TLEV			10		·	WU-TBD REAR 612004	WU- 612115R REAR 612315
19		X-90		WSKXV1.6CMC	TIER1			1	TWC	YES	612004	612174
20		GRAND VITARA	2.5L	XSKXT2.49LHA			D/Y	. 3	2WUTWC/ TWC	11.3	WU- LEFT OR RIGHT 612004R REAR 612006	WU-TBD REAR TBD
21	1999	VITARA, TRACKER 2 DOOR	1.6L	XSKXT1.59LMA	LEV	LTD1						WU-TBD REAR 612174
22		VITARA, TRACKER 2&4DOOR	2.0L	XSKXT2.00LMA			S	2	WUTWC/ TWC		WU- 612004R REAR 612004	WU- 612074P REAR 612174
23		METRO HATCHBACK	1.0L	XSKXV.993TNC	TLEV	PC						WU-TBD REAR . 612096

				AIRTEK IN	C'S SERIES 610	0000 FOR		C/LDT1 VEHIC	CLES				
No.	Model Year	Vehicle Model	Engine Size	Engine Family	Certification Level	Weight Class	Exhaust Type	Total Converters	Converter Type	Monitored	Universal	Direct Fit	
24		SWIFT HATCHBACK & SEDAN, METRO HATCHBACK & SEDAN	1.3L	XSKXV1.30LNA	LEV						WU- 612004R REAR 612004	WU- 612042 REAR 612342	
25	1999	ESTEEM SEDAN WAGON	1.6L	XSKXV1.59TNS	TLEV								
26		ESTEEM SEDAN, WAGON	1.8L	XSKXV1.84LHS	LEV				·		WU-TBD REAR 612004	WU- 612115R REAR 612315R	
27		ESTEEM SEDAN, WAGON	1.0L	YSKXV1.84LHS	LEV	ELV.	PC	S	2	WUTWC/ TWC	YES		
28		ESTEEM SEDAN, WAGON	1.6L	YSKXV1.59TNS	TLEV	·				·		WU-TBD REAR TBD	
29	2000	SWIFT HATCHBACK, CHEVROLET METRO HATCHBACK & SEDAN	1.3L	YSKXV1.30LNA	LEV .						WU- 612004R REAR 612004	WU- 612042 REAR 612342	
30		CHEVROLET METRO HATCHBACK	1.0L	YSKXV.993TNC	TLEV							WU-TBD REAR TBD	

				AIRTEK INC	C'S SERIES 610	0000 FOR	SUZUKI P	C/LDT1 VEHIC	CLES			
No.	Model Year	Vehicle Model	Engine Size	Engine Family	Certification Level	Weight Class	Exhaust Type	Total Converters	Converter Type	Monitored	Universal	Direct Fit
31		GRAND VITARA	2.5L	YSKXT2.49LHA		LTD1	D/Y	3	2WUTWC/ TWC		WU- LEFT OR RIGHT 612004R REAR 612006	WU-TBD REAR TBD
32	2000	VITARA 2 & 4 DOOR, TRACKER 2&4 DOOR	2.0L	YSKXT2.00LMA			S	2	wutwc/		WU- 612004R REAR 612004	612174
33		VITARA 2 DOOR, TRACKER 2DOOR	1.6L	YSKXT1.59LMA		PC		-	TWC		WU-TBD REAR 612004	WU- 612115R REAR 612315R
34		GRAND VITARA, TRACKER ZR2, LT	2.5L	1SKXT2.49LC1	LEV	LDT1	D/Y	3	2WUTWC/ TWC	YES	WU- LEFT OR RIGHT 612004R REAR 612006	WU-TBD REAR TBD
		ESTEEM	1.6L &1.8L			PC		2			WU-TBD	WU- 612115R REAR 612315R
35	2001	VITARA, TRACKER,	1.6L	1SKXT2.00LC4		LTD1	S	2	wutwc/		REAR 612004	WU- 612115R REAR 612315
	TRACKER ZR2	2.0L				3	2	TWC	WU-	WU-TBD REAR 612174		
36		SWIFT, CHEVROLET METRO	1.3L	1SKXV1.30LB1		PC		2			612004R REAR 612004	WU- 612042 REAR 612342

	AIRTEK INC'S SERIES 610000 FOR SUZUKI 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			
37		ESTEEM - AERIO	1.6L &1.8L	2SKXX2.00LC4		PC	S	2	WUTWC/ TWC		WU-TBD REAR 612004 WU-612004 REAR 612004R	WU- 612115R REAR 612315R WU-TBD REAR TBD			
	2002	VITARA, TRACKER, TRACKER ZR2	2.0L		LEV	LEV	LEV	LEV					YES	WU- 612004R REAR 612004	WU-TBD REAR 612174
38		GRAND VITARA, TRACKER LT, ZR2	2.5L	2SKXT2.49LC1			LTD1	D/Y	3	2WUTWC/ TWC		WU- LEFT OR RIGHT 612004R REAR 612006	WU-TBD REAR TBD		
39		AERIO, AERIO SX	2.0L	2SKXX2.00LC4		PC	S	2	WUTWC/ TWC		WU-612004 REAR 612004R				