

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER D-280-16  
Relating to Exemptions under Section 27156  
of the Vehicle Code

AirTek, Inc. (d.b.a. Catco)  
"Series 412000 OBD II Compliant Three-way Catalytic Converter"

WHEREAS, Vehicle Code Sections 27156, and Section 2222(h), Title 16, 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 to market its new aftermarket Series 412000 three-way catalytic converter (TWC) on 2001 and older GM passenger cars and light-duty trucks 1 (LDT1) equipped with on-board diagnostic II (OBD-II) systems and single three-way catalytic converter (TWC) as specified in Appendix D-280-16 and incorporated herein. **The application coverage excludes vehicles equipped with a warm-up catalyst.** The TWC will be used in a single underbody vehicle application. The Series 412000 TWC may also be installed on non-OBD II vehicles (1995 and older) similar in engine and exhaust configuration to those listed in Appendix D-280-16.

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 ARB finds that the above aftermarket catalytic converter complies with the California Vehicle Code Section 27156 and Section 2222(h), Title 16, California Code of Regulations. The emissions performance of the catalytic converter was based on durability bench-aging by Compliance and Research Services, Inc. using the ARB-modified RAT-A bench-aging cycle for a duration of 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 412000 TWC installed on a 1999 3.1L Chevrolet Malibu, test group XGMXV03.1043, 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 412000 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 412000 TWC Test Results	0.073	1.3	0.2


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-280-16 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 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 the Air Resources Board prior to shipment.

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 26<sup>th</sup> day of June 2006.

  
for Allen Lyons, Chief  
Mobile Source Operations Division

APPENDIX D-280-16

AirTek INC. Series 412000 OBD II TWC for GM PC and LDT1											
Model Year	Vehicle Model	Engine Size	Number of Cylinder	Engine Family	Certification Level	Exhaust Type	Total Converters	Converter Type	Monitored	Universal	Direct Fit
1996	Beretta Cavalier Corsica Sunfire	2.2L	4	TGM2.2V8G2EK	TLEV	S	1	TWC	1, YES	412004	412817
										412004	412648
										412004	412817
										412004	412648
1996	SL1 Sedan SW1 Wagon SC1 Coupe	1.9L	4	TGM1.9V8G2EK	Tier 1	S	1	TWC	1, YES	412004	412243
										412004	412243
										412004	412243
1996	SL2 Sedan SW2 Wagon SC2 Coupe	1.9L	4	TGM1.9VJGF EK	Tier 1	S	1	TWC	1, YES	412004	412854
										412004	412854
										412004	412854
1996	Century Century Wagon Cavalier Beretta Corsica Ciera Sunfire	2.2L	4	TGM2.2V8GKEK	Tier 1	S	1	TWC	1, YES	412004	412260
										412004	412260
										412005	412648
										412005	412817
										412004	412817
										412005	412260
412005	412648										
1996	S-10 2 WD Sonoma 2 WD Isuzu Hombre	2.2L	4	TGM2.218GF EK	Tier 1	S	1	TWC	1, YES	412006	412819
										412006	412819
										412006	412819
1996	Achieva Cavalier Grand Am Sunfire	2.4L	4	TGM2.4VJGKEK	Tier 1	S	1	TWC	1, YES	412005	412220
										412004	412107
										412005	412220
										412004	412107

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Model Year	Vehicle Model	Engine Size	Number of Cylinder	Engine Family	Certification Level	Exhaust Type	Total Converters	Converter Type	Monitored	Universal	Direct Fit
1996	Skylark	2.4L AT	4	TGM2.4VJG2EK	TLEV	S	1	TWC	1, YES	412004	412823
	Skylark	2.4L MT								412084	412220
	Cavalier									412004	412107
	Achieva	2.4 L AT								412004	412823
	Achieva	2.4 L MT								412005	412086
	Grand Am	2.4 L AT								412004	412823
	Grand Am	2.4 L MT								412004	412220
	Sunfire									412004	412107
1996	Regal	3.8L	6	TGM3.8V8G2EK	TLEV	S	1	TWC	1, YES	412005	412898
	Bonnieville									412005	412975
	Grand Prix									412005	412898
	Lesabre									412006	412975
	Park Avenue									412006	412975
	Regency									412005	412975
	Riviera									412005	412261
	Buick Century									412005	412263
1996	S-10 2WD	4.3	6	TGM4.31PGFEK	Tier 1	S	1	TWC	1, YES	412006	412710
	Sonoma 2WD									412006	412710
1997	Cavalier	2.2L	4	VGM2.2V8G1EK	Tier 1	S	1	TWC	1, YES	412004	412648
	Sunfire									412004	412648
1997	Cavalier	2.2L	4	VGM2.2V8G2EK	TLEV	S	1	TWC	1, YES	412004	412817
	Sunfire									412004	412648
1997	S-10 2WD	2.2L	4	VGM2.218G1EK	Tier 1	S	1	TWC	1, YES	412006	412819
	Sonoma 2WD									412006	412819
	Isuzu Hombre									412006	412819

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1997	Skylark	2.4L AT	4	VGM2.4VJG2EK	TLEV	S	1	TWC	1, YES	412004	412823
	Skylark	2.4 L MT								412004	412220
	Cavalier									412004	412107
	Achieva	2.4 L AT								412004	412823
	Achieva	2.4 L MT								412004	412086
	Grand Am	2.4 L AT								412004	412823
	Grand Am	2.4 L MT								412004	412220
	Sunfire									412004	412107
1997	Century	3.8L	6	VGM3.8V8G2EK	TLEV	S	1	TWC	1, YES	412006	412266
	Park Avenue									412006	412267
	Regal									412006	412876
	Riviera									412086	TBD
Grand Prix		412006	412876								
1997	S-10 2WD	4.3L	6	VGM4.31PG1EK1	Tier 1	S	1	TWC	1, YES	412006	412710
	Sonoma 2WD									412006	412710
	Isuzu Hombre									412006	412710
1998	Saturn SW SC.	1.9L	4	WGMXV01.9002	TLEV	S	1	TWC	1, YES	412004	412243
1998	Cavalier	2.2L	4	WGMXV02.2023	TLEV	S	1	TWC	1, YES	412004	412648
	Sunfire									412004	412648
1998	S-10 2WD	2.2L	4	WGMXT02.2122	Tier 1	S	1	TWC	1, YES	412006	412819
	Sonoma 2WD									412006	412819
	Isuzu Hombre									412006	412819
1998	Skylark	2.4L AT	4	WGMXV02.4026	TLEV	S	1	TWC	1, YES	412005	412823
	Skylark	2.4 L MT								412005	412220
	Cavalier									412004	412107
	Malibu									412004	412107
	Achieva	2.4 L AT								412004	412823
	Achieva	2.4 L MT								412004	412220
	Cutlass									412005	412268
	Grand Am	2.4 L AT								412004	412823
	Grand Am	2.4 L MT								412004	412220
	Sunfire									412004	412107

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Model Year	Vehicle Model	Engine Size	Number of Cylinder	Engine Family	Certification Level	Exhaust Type	Total Converters	Converter Type	Monitored	Universal	Direct Fit
1998	Century Lumina Malibu Monte Carlo Cutlass Grand Prix	3.1L	6	WGMXV03.1044	TLEV	S	1	TWC	1, YES	412005 412004 412005 412004 412005 412004	412850 412874 412863 412874 412863 412849
1998	Achieva Skylark Grand Am	3.1L	6	WGMXV03.1042	Tier 1	S	1	TWC	1, YES	412005 412004 412004	412831 412849 412849
1998 1S 1S	Lumina Monte Carlo Intrigue Park Avenue Regal LeSabre Regency Bonneville Grand Prix	3.8L	6	WGMXV03.8048	TLEV	S	1	TWC	1, YES	412084 412004 412004 412085 412006 412006 412005 412005 412006	TBD 412265 412876 TBD 412876 412890 412975 412975 412876
1998	S-10 2WD Sonoma 2WD Isuzu Hombre	4.3L	6	WGMXT04.3182	Tier 1	S	1	TWC	1, YES	412006 412006 412006	412710 412710 412710
1998	Cavalier Sunfire	2.2L	4	XGMXV02.2022	TLEV	S	1	TWC	1, YES	412004 412004	412864 412864
1998	S-10 2WD Sonoma 2WD Isuzu Hombre	2.2L	4	XGMXT02.2122	TLEV	S	1	TWC	1, YES	412006 412006 412006	412819 412819 412819
1998	Cavalier Sunfire	2.2L	4	XGMXV02.2023	LEV	S	1	TWC	1, YES	412004 412004	412864 412864

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Model Year	Vehicle Model	Engine Size	Number of Cylinder	Engine Family	Certification Level	Exhaust Type	Total Converters	Converter Type	Monitored	Universal	Direct Fit
1989	Alero Cutlass Grand Am Grand Am	2.4L	4	XGMXV02.4025	TLEV	S	1	TWC	1, YES	412005 412085 412004 412005	412877 TBD 412107 412877
1989	Cavalier Malibu Alero Cutlass Grand Am Grand Am Sunfire	2.4L	4	XGMXV02.4027	LEV	S	1	TWC	1, YES	412004 412005 412005 412085 412004 412005 412004	412877 412877 412877 TBD 412107 412877 412877
1989	Malibu Cutlass	3.1L	6	XGMXV03.1043	LEV	S	1	TWC	1, YES	412005 412005	412863 412863
1989	Century Lumina Monte Carlo Alero Grand Am Grand Prix	3.4L	6	XGMXV03.4042	TLEV	S	1	TWC	1, YES	412085 412085 412086 412005 412005 412085	TBD TBD TBD 412863 412863 TBD
1989	Intrigue	3.5L	6	XGMXV03.5064	TLEV	S	1	TWC	1, YES	412004	412876
1989	LeSabre Lumina Monte Carlo Park Avenue Camaro Intrigue Regal Regency Bonneville Firebird Grand Prix	3.8L	6	XGMXV03.8048	TLEV	S	1	TWC	1, YES	412006 412084 412004 412006 412005 412004 412006 412006 412006 412006 412005 412006	412890 TBD 412265 412890 412884 412876 412876 412890 412890 412890 412884 412876



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1999	LeSabre Park Avenue Regal Camaro Lumina Monte Carlo Intrigue Regency Bonneville FireBird Grand Prix	3.8L	6	XGMXV03.8049	LEV	S	1	TWC	1, YES	412006	412890
										412006	412890
										412006	412876
										412005	412884
										412084	TBD
										412084	TBD
										412004	412876
										412006	412890
										412006	412890
										412005	412884
412006	412876										
1999	Park Avenue Regal Rivera Grand Prix	3.8L	6	XGMXV03.8053	LEV	S	1	TWC	1, YES	412006	412197
										412006	412876
										412006	412197
										412006	412876
2000	Cavalier Sunfire S-10 2WD Sonoma 2WD Isuzu Hombre	2.2L	4	YGMXXO2.2023	TLEV	S	1	TWC	1, YES	412004	412864
										412004	412864
										412006	412819
										412006	412819
										412006	412819
2000	Sunfire Grand Am Alero Malibu Saturn LS Saturn LW	2.4L	4	YGMXVO2.4022	LEV	S	1	TWC	1, YES	412004	412877
										412004	412877
										412004	412877
										412005	TBD
										412004	412255
										412004	412255
2000	Century Buick Grand Prix Lumina Malibu	3.1L	6	YGMXVO3.8043	LEV	S	1	TWC	1, YES	412005	412850
										412005	412850
										412004	412874
										412005	412863

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Model Year	Vehicle Model	Engine Size	Number of Cylinder	Engine Family	Certification Level	Exhaust Type	Total Converters	Converter Type	Monitored	Universal	Direct Fit
2000	Impala Monte Carlo Grand Am Alero	3.4L	6	YGMXVO3.8043	LEV	S	1	TWC	1, YES	412006 412006 412005 412005	412850 412850 412863 412863
2000	Regal SC Park Avenue SC Bonnieville SC Grand Prix SC Camaro Firebird Trans-Am	3.8L	6	YGMXVO3.8043	LEV	S	1	TWC	1, YES	412086 412086 412086 412086 412005 412005 412005	TBD TBD TBD TBD 412884 412884 412884
2001	SAAB 9-3 SAAB 9-3 Convertible	2.0L	4	1GMXVO2.3001	LEV	2	1	TWC	1, YES	412005 412005	412047 412047
2001	Cavalier Sunfire	2.2L	4	1GMXVO2.2024	LEV	S	1	TWC	1, YES	412004 412004	412864 412864
2001	SAAB 9-3 VIGGEN SAAB 9-3VIGGEN Conv. SAAB 9-5 SAAB9-5 Convertible	2.3L	4	1GMXVO2.3001	LEV	2	1	TWC	1, YES	412005 412005 412005 412005	412168 412168 412168 412168
2001	Cavalier Sunfire Grand Am Alero	2.4L	4	1GMXVO2.4022	LEV	S	1	TWC	1, YES	412004 412004 412004 412004	412877 412877 412877 412877
2001	Malibu Century Buick Grand Prix Lumina	3.1	6	1GMXVO3.8043	LEV	S	1	TWC	1, YES	412005 412005 412005 412004	412863 412850 412850 412874

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Model Year	Vehicle Model	Engine Size	Number of Cylinder	Engine Family	Certification Level	Exhaust Type	Total Converters	Converter Type	Monitored	Universal	Direct Fit
2001	Grand Am Alero Impala Monte Carlo	3.4	6	1GMXVO3.8043	LEV	S	1	TWC	1, YES	412005	412863
										412005	412863
										412005	412850
										412005	412850
2001	Bonnieville SC Grand Prix SC Park Avenue SC Regal SC Camaro Firebird Trans-Am	3.8L	6	1GMXVO3.8043	LEV	S	1	TWC	1, YES	412086	TBD
										412086	TBD
										412086	TBD
										412086	TBD
										412005	412884
										412005	412884
412005	412884										