

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER D-353-24
Relating to Exemptions under Section 27156
of the Vehicle Code

Miller Catalyzer Corporation
"Series 60000 OBD II Compliant Three-way Catalytic Converter"

WHEREAS, Vehicle Code Sections 27156 and Section 2222(h), Title 13, California Code of Regulations (hereafter "CCR"), 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, Miller Catalyzer Corporation (Miller) of 3295 Depot Road, Hayward, California 94545, has applied to the Air Resources Board for exemption from the prohibitions in Vehicle Code Section 27156 to market its new aftermarket Series 60000 three-way catalytic converter (TWC) for installation on selected 1996 through 2003 model year GM passenger (PC) cars and light-duty trucks 1 (LDT1) equipped with on-board diagnostic II (OBD-II) systems as specified in Appendix D-353-24 and incorporated herein. The Series 60000 TWC will be used for single (one unit) exhaust system applications for selected GM PC/LDT1.

The 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-353-24.

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, Air Resources Board finds that the above aftermarket catalytic converter complies with the California Vehicle Code Section 27156 and Title 13, California Code of Regulations, Section 2222(h). The emissions performance of the catalytic converter was based on durability bench-aging by Umicore Automotive Catalysts using Air Resources Board-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 Automotive Testing Development Services, Inc. (ATDS), Ontario, California, using a 1999 3.1L Chevrolet Malibu equipped with a single exhaust system, and certified to the Low Emission Vehicle (LEV, PC) emission standards showed that the vehicle met the applicable emission standards with Series 60000 TWC (one unit) installed.

OBD II compatibility tests performed on the same test vehicle showed that Series 60000 TWC did not affect the vehicle's ability to perform OBD II system monitoring. Emission test results in grams per mile are shown below.

ATDS, Ontario, California				
3.1L Chevrolet Malibu Test				
	NMOG	CO	NOx	Remarks
100K Standard	0.090	4.2	0.3	
Test 1	0.070	1.5	0.1	Pass
Test 2	0.064	1.5	0.1	Pass

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-353-24 subject to the following conditions:

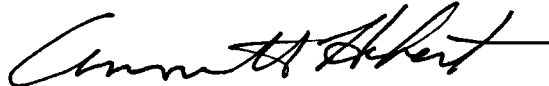
1. No changes are permitted to the catalytic converter as described in the application for exemption. Any changes to the catalytic converter or any of their components, and other factors addressed in this order must be evaluated and approved by the Air Resources Board prior to marketing in California.
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 these products 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 Miller Catalyzer Corporation, 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. Miller Catalyzer Corporation'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. Miller Catalyzer Corporation 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 them appear to perform better than an OEM catalytic converter.
7. The new aftermarket catalytic converter substrate may not be sold or supplied to a third party by Miller, its associates, vendors, other businesses, and

individuals associated with Miller, 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.
9. Miller must submit the required quality audit and production quantity reports for its aftermarket catalytic converter semi-annually, covering the periods January 1 through June 30, and July 1 through December 31.

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 30 day of June 2008.



Annette Hebert, Chief
Mobile Source Operations Division

Miller Catalyzer Corporation, Catalytic Converter Series 60000, General Motors Passenger Cars and LDT1 Trucks, Up to 3,750 lbs. LVW

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	Saturn SL1 Sedan, SW1, Wagon, SC1 Coupe	1.9L	TGM1.9V8G2EK	TLEV	PC	S	1	TWC	1	60000	TBD
2		Saturn SL2 Sedan, SW2, Wagon, SC2 Coupe		TGM1.9VJGFEK	Tier 1							
3		Chevrolet S10 Pickup 2WD	2.2L	TGM2.218GFEK		TLEV						
		GMC Sonoma Pickup 2WD										
4		Isuzu Hombre Pickup 2WD	2.2L	TGM2.2V8G2EK	Tier 1							
		Cavalier, Sunfire, Corsica, Beretta										
5		Ciera SL, Cavalier, Sunfire	2.2L	TGM2.2V8GKEK	Tier 1							
		Corsica, Beretta, Century, Century Wagon										
6		Achieva	2.4L	TGM2.4VJG2EK	TLEV							
		Cavalier, Skylark										
7		Grand Am, Sunfire	2.4L	TGM2.4VJGKEK	Tier 1							
		Cavalier, Sunfire, Grand Am, Achieva, Skylark										
8		Buick Century, Regal, Skylark	3.1L	TGM3.1V8GFEK	Tier 1	PC						
	Chevrolet Beretta, Corsica, Lumina, Monte Carlo											
9	Oldsmobile Achieva, Ciera, Cutlass Supreme	3.4L	TGM3.4VJGFEK	Tier 1								
	Pontiac Grand Am, Grand Prix											
10	Chevrolet Lumina, Monte Carlo	3.8L	TGM3.8V8GFFK	Tier 1								
	Oldsmobile Cutlass Supreme											
11	Pontiac Grand Prix	3.8L	TGM3.8V8GKEK	Tier 1								
	Buick Park Avenue Ultra, Riviera											
12	Pontiac Bonneville SSE	4.3L	TGM4.31PGFEK	Tier 1	LDT1							
	Buick LeSabre, Park Avenue, Regal, Riviera											
13	Chevrolet Camaro	4.6L	TGM4.6VJGFEL	Tier 1	PC							
	Oldsmobile Delta 88, 98, LSS											
14	Pontiac Bonneville SE, Firebird	4.0L	TGM4.6VJGFEL	Tier 1								
	Chevrolet S10 Pickup 2WD											
15	GMC Sonoma Pickup 2WD	4.0L	TGM4.6VJGFEL	Tier 1								
	4.6L Seville, Eldorado, Deville											
16	Aurora	4.0L	TGM4.6VJGFEL	Tier 1								
14	1997	Saturn SL1 Sedan, SW1, Wagon, SC1 Coupe	1.9L	VGM1.9V8G2EK	TLEV	PC	S	1	TWC	1	60000	TBD
15		S10 Pickup, Sonoma, Isuzu Hombre 2WD	2.2L	VGM2.218G1EK	Tier 1	LDT1						
16		Cavalier, Sunfire		VGM2.2V8G1EK	TLEV	PC						
17		Cavalier, Sunfire	VGM2.2V8G2EK									
18		Achieva, Cavalier, Sunfire	2.4L	VGM2.4VJG1EK	Tier 1							
19	Catera	3.0L	VGM3.0VJGFEK	Tier 1	D	2	TWC	2	60000	TBD		

Miller Catalyzer Corporation, Catalytic Converter Series 60000, General Motors Passenger Cars and LDT1 Trucks, Up to 3,750 lbs. LVW													
No.	Model Year	Vehicle Model	Engine Size	Engine Family	Certification Level	Weight Class	Exhaust Type	Total Converters	Converter Type	Monitored	Universal	Direct Fit	
20	1997	Buick Century, Skylark	3.1L	VGM3.1V8G1EK	Tier 1	PC	S	1	TWC	1	60000	TBD	
		Chevrolet Lumina, Monte Carlo, Malibu											
		Oldsmobile Achieva, Cutlass, Cutlass Supreme											
		Pontiac Grand Am, Grand Prix											
21		Chevrolet Lumina, Monte Carlo	3.4L	VGM3.4VJG1EK									
		Oldsmobile Cutlass Supreme											
22		Buick Park Avenue Ultra, Riviera, Regal GS	3.8L	VGM3.8V8G1FK									
		Oldsmobile Delta 88, Regency											
		Pontiac Bonneville SE, Grand Prix											
23		Bonneville, Le Sabre, Park Ave., Riviera	3.8L	VGM3.8V8G2EK									TLEV
		Century, Olds 88/Regency											
		Grand Prix											
24	Regal	3.8L	VGM3.8V8G2EK	TLEV									
	Chevrolet Camaro												
	Oldsmobile Regency, Delta 88												
25	Pontiac Firebird	4.3L	VGM4.31PG1EK	Tier 1	LDT1								
	Chevrolet S10 Pickup 2WD												
	GMC Sonoma Pickup 2WD												
26	Isuzu Hombre Pickup 2WD	4.3L	VGM4.31PG1EK	Tier 1	LDT1								
	Aurora												
	Seville, Eldorado, Deville												
27	1998	Chevrolet S10 Pickup 2WD	2.2L	WGMXT02.2122	Tier1	S	1	TWC	1	60000	TBD		
		GMC Sonoma Pickup 2WD											
		Isuzu Hombre Pickup 2WD											
28		S10 Pickup, Sonoma, Isuzu Hombre 2WD	2.2L	WGMXT02.2124	TLEV								
		Chevrolet S10 Pickup 2WD											
29		GMC Sonoma Pickup 2WD	4.3L	WGMXT04.3182	Tier1								
		Isuzu Hombre Pickup 2WD											
		Saturn SC Coupe											
30		Saturn SL Sedan	1.9L	WGMXV01.9002	TLEV							PC	
		Saturn SW Wagon											
		Cavalier, Sunfire											
31		Sunfire, Chevrolet Cavalier	2.2L	WGMXV02.2022	Tier 1								
32	Cavalier, Sunfire, Grand Am, Achieva	2.4L	WGMXV02.4025	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
34	1998	Buick Skylark, Olds Achieva	2.4L	WGMXV02.4026	TLEV	PC	S	1	TWC	1	60000	TBD
		Chevrolet Malibu										
35	1998	Olds Cutlass, Grand Am	3.0L	WGMXV03.0061	Tier 1	PC	D	2	TWC	2	60000	TBD
		Sunfire, Chevrolet Cavalier										
36	1998	Catera	3.0L	WGMXV03.1042	Tier 1	PC	D	2	TWC	2	60000	TBD
37	1998	Grand Am, Achieva, Skylark	3.1L	WGMXV03.1043	Tier 1	PC	S	1	TWC	1	60000	TBD
		Chevrolet Lumina, Monte Carlo, Malibu										
38	1998	Pontiac Grand Prix, Buick Century, Cutlass	3.1L	WGMXV03.1044	TLEV	PC	S	1	TWC	1	60000	TBD
		Buick Century										
39	1998	Chevrolet Lumina, Olds Cutlass, Grand Prix	3.8L	WGMXV03.8048	Tier 1	PC	S	1	TWC	1	60000	TBD
		Chevrolet Malibu										
40	1998	Chevrolet Monte Carlo	3.8L	WGMXV03.8049	Tier 1	PC	S	1	TWC	1	60000	TBD
		Bonneville, Buick Park Avenue										
41	1998	Buick Lesabre, Olds 88 Regency	3.8L	WGMXV03.8051	Tier 1	PC	S	1	TWC	1	60000	TBD
		Buick Regal, Chevrolet Lumina, Grand Prix										
42	1998	Chevrolet Monte Carlo	4.0L	WGMXV04.6066	Tier 1	PC	S	1	TWC	1	60000	TBD
		Oldsmobile Intrigue										
43	1999	Camaro, Firebird	4.6L	WGMXV04.6066	Tier 1	PC	S	1	TWC	1	60000	TBD
		Buick Riviera, Park Avenue, Regal										
44	1999	Oldsmobile Eighty-Eight, Regency	4.6L	WGMXV04.6066	Tier 1	PC	S	1	TWC	1	60000	TBD
		Pontiac Bonneville, Grand Prix										
45	1999	Aurora	4.6L	WGMXV04.6066	Tier 1	PC	S	1	TWC	1	60000	TBD
		Seville, Eldorado, Deville										
46	1999	Chevrolet S10 Pickup	2.2L	XGMXTO2.2122	TLEV	LDT1	S	1	TWC	1	60000	TBD
		GMC Sonoma Pickup										
47	1999	Isuzu Hombre Pickup 2WD	1.9L	XGMXV01.9002	TLEV	LDT1	S	1	TWC	1	60000	TBD
		Saturn SL Sedan, SW, Wagon, SC Coupe										
48	1999	Pontiac Sunfire, Chevrolet Cavalier	2.2L	XGMXV02.2022	LEV	LDT1	S	1	TWC	1	60000	TBD
		Chevrolet Cavalier										
49	1999	Pontiac Sunfire	2.4L	XGMXV02.2023	LEV	LDT1	S	1	TWC	1	60000	TBD
		Olds Alero										
50	1999	Olds Cutlass	2.4L	XGMXV02.4025	TLEV	PC	S	1	TWC	1	60000	TBD
		Pontiac Grand AM										
51	1999	Chevrolet Cavalier	2.4L	XGMXV02.4027	LEV	PC	S	1	TWC	1	60000	TBD
		Chevrolet Malibu										
52	1999	Olds Alero	2.4L	XGMXV02.4027	LEV	PC	S	1	TWC	1	60000	TBD
		Olds Cutlass										
53	1999	Pontiac Grand AM	2.4L	XGMXV02.4027	LEV	PC	S	1	TWC	1	60000	TBD
		Pontiac Sunfire										

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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
49	1999	Catera	3.0L	XGMXV03.0061	LEV	PC	D	2	TWC	2	60000	TBD
50		Chevrolet Malibu	3.1L	XGMXV03.1043			LEV	S	1	TWC		
		Olds Cutlass										
51		Buick Century	3.1L / 3.4L	XGMXV03.4042	TLEV							
		Chevrolet Lumina										
		Chevrolet Monte Carlo										
		Olds Alero										
		Pontiac Grand AM										
52		Pontiac Grand Prix	3.5L	XGMXV03.5064	TLEV							
		Olds Intrigue										
53		Buick Lesabre	3.8L	XGMXV03.8048	TLEV							
		Buick Park Avenue										
		Buick Regal										
		Chevrolet Camaro										
		Chevrolet Lumina										
		Chevrolet Monte Carlo										
		Olds Eighty Eight										
		Olds Intrigue										
		Olds Regency										
		Pontiac Bonneville										
54	Pontiac Firebird	3.8L	XGMXV03.8049	LEV								
	Pontiac Grand Prix											
	Buick Lesabre											
	Buick Regal											
	Chevrolet Camaro											
	Chevrolet Lumina											
	Chevrolet Monte Carlo											
	Olds Eighty-Eight											
	Olds Intrigue											
	Olds Park Avenue											
55	Olds Regency	3.8L	XGMXV03.8051	TLEV								
	Pontiac Bonneville											
	Pontiac Firebird											
	Pontiac Grand Prix											
	Buick Park Avenue											
55	Buick Regal	3.8L	XGMXV03.8051	TLEV								
	Buick Riviera											
	Pontiac Grand Prix											

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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							
56	1999	Oldsmobile Eighty-Eight, Regency	3.8L	XGMXV03.8052	Tier 1	PC	S	1	TWC	1	60000	TBD							
		Pontiac Bonneville																	
57		Buick Park Avenue			XGMXV03.8053								LEV						
		Buick Regal																	
		Buick Riviera																	
		Pontiac Bonneville, Grand Prix																	
58		Aurora	4.0L	XGMXV04.6068	Tier 1														
		Seville, Eldorado, Deville, Limousine Hearse	4.6L																
59	2000	Pontiac Sunfire (Manual), Chevrolet Cavalier (manual)	2.2L	YGMXX02.2023	TLEV	PC													
				S10 PU 2WD, GMC Sonoma 2WD, Hombre PU 2WD		LDT1													
60		S10 Pickup, Sonoma, Isuzu Hombre 2WD		YGMXT02.2122															
61		Chevrolet Malibu, Cavalier, Oldsmobile Alero	2.4L	YGMXV02.4022	LEV		S	1	TWC	1	60000	TBD							
		Chevrolet Malibu, Cavalier, Oldsmobile Alero	2.2L																
		Pontiac Sunfire, Grand Am	2.4L																
		Pontiac Sunfire, Grand Am	2.4L																
		Saturn LS, LW	2.2L																
62		Aurora, Intrigue	3.5L	YGMXV03.5064															
63		Buick Lesabre, Park Avenue, Regal	3.1L /	YGMXV03.8043		PC													
		Chevrolet Impala, Monte Carlo, Firebird	3.4L / 3.8L																
		Pontiac Bonneville SE, Firebird, Grand Prix																	
64		Aurora	4.0L	YGMXV04.6065	Tier 1														
		Seville, Eldorado, Deville	4.6L																
65		Aurora	4.0L	YGMXV04.6066	LEV														
		Seville, Deville, Limousine, Funeral Coach, Hearse	4.6L																
66	2001	S10 Pickup, Sonoma, Isuzu Hombre 2WD	2.2L	1GMXT02.2122	LEV	LDT1													
67		Cavalier, Sunfire			1GMXV02.2024	TLEV													
68		Saab 9-3, 9-3 Convertible, 9-5, 9-5 Wagon	2.0L	1GMXV02.3001															
			Saab 9-3, 9-3 Convertible, 9-5, 9-5 Wagon																
69		Cavalier, Sunfire, Grand Am, Alero	2.2L/2.4L	1GMXV02.4022	LEV	PC													
			Saturn L100/200 Manual transmission																
70			Saab 9-5, Saab 9-5 Wagon	3.0L	1GMXV03.0062														
71			Oldsmobile Aurora	3.5L	1GMXV03.5064														
72			Oldsmobile Aurora, Intrigue		1GMXV03.5065														

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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
73	2001	Chevrolet Camaro, Buick Park Ave, Buick Regal	3.8L	1GMXV03.8043	LEV	PC	S	1	TWC	1	60000	TBD
		Chevrolet Impala, Monte Carlo	3.4L									
		Chevrolet Malibu, Lumina	3.1L									
		Pontiac Firebird/Trans Am, Bonneville, Grand Prix	3.8L									
		Pontiac Grand Am, Oldsmobile Alero	3.4L									
		Pontiac Grand Prix, Buick Century	3.1L									
74		Oldsmobile Aurora	4.0L	1GMXV04.6065								
		Seville, Eldorado, Deville, Limousine, Hearse	4.6L									
75	2002	S10 Pickup, Sonoma, Isuzu Hombre 2WD	2.2L	2GMXT02.2122	LEV	LDT1	S	1	TWC	1	60000	TBD
76		Saturn Vue AWD		2GMXT02.2123								
77		Cavalier, Sunfire		2GMXV02.2024	TLEV							
78		Cavalier, Sunfire, Grand Am, Alero	2.2L/2.4L	2GMXV02.4022	LEV	PC						
79		Chevrolet Impala Police, Camaro, Pontiac Firebird, Bonneville, Grand Prix, Buick Regal, Park Avenue	3.8L	2GMXV03.8043								
		Chevrolet Impala, Monte Carlo, Pontiac Grand Am, Oldsmobile Alero	3.4L									
		Chevrolet Malibu, Pontiac Grand Prix, Buick Century	3.1L									
		Oldsmobile Aurora, Intrigue	3.5L									
80	Saab 9-5, Saab 9-5 Wagon	3.0L	2GMXV03.0063	LEV	PC							
	Oldsmobile Aurora	4.0L	2GMXV04.6065									
	Seville, Eldorado, Deville, Limousine, Hearse	4.6L										
81	2003	Saab 9-3 Sport Sedan	2.0L	3GMXV02.0002	LEV	PC	S	1	TWC	1	60000	TBD
82		Cavalier, Sunfire, Grand Am, Alero	2.2L	3GMXV02.2025								
		Saturn LW200, L200										
83		Saturn Ion		3GMXV02.2026								
84		Saab 9-3 Sport Sedan	2.0L/2.3L	3GMXV02.3001								
85		Saab 9-5, Saab 9-5 Wagon	3.0L	3GMXV03.0063								
86		Malibu, Century, Grand Prix, Regal	3.1L	3GMXV03.8043								
87		Aurora	4.0L	3GMXV04.6065								
	Seville, Eldorado, Deville, Limousine	4.6L										