

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER D-353-10
Relating to Exemptions under Section 27156
of the Vehicle Code

Miller Catalyzer Corporation
"Series 21000 OBD II Compliant Three-way Catalytic Converter"

WHEREAS, Vehicle Code Sections 27156 and Section 2222(h), Title 13, California Code of Regulations (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 21000 three-way catalytic converter (TWC) for installation on 2001 and older model year GM, Toyota, and VW trucks, and 1998 Mercedes-Benz trucks equipped with on-board diagnostic II (OBD-II) systems as specified in Appendix D-353-10 and incorporated herein. The Series 21000 TWC will be used for dual (2 units in parallel), dual plus one (2 units in parallel plus one downstream unit) or single (1 unit) exhaust system applications for GM, Toyota, and VW trucks respectively. The Series 21000 will also be used as front catalytic converters (2 units) and rear catalytic converters (2 units) in multiple catalytic converter systems (4 units total) for Mercedes-Benz and Toyota trucks. Catalytic converters (4 units) for Mercedes-Benz and Toyota trucks will be sold as a complete system only, and not as individual units.

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-353-10.

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 Section 2222(h) of Title 13, CCR. The emissions performance of the catalytic converter was based on durability bench-aging by Delphi Energy and Chassis Systems using Air Resources Board-modified RAT-A bench-aging cycle for 100 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 1998 5.7L Chevrolet Tahoe with a dual (2 units in parallel) exhaust system, certified to the Low Emission Vehicle (LEV, MDV2) emission standards showed that the vehicle met the applicable emission standards with Series 21000 TWCs (2 units) installed.

OBD II compatibility tests performed on the same test vehicle showed that Series 21000 TWC do 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				
5.7L Chevrolet Tahoe Test				
	NMOG	CO	NOx	Remarks
120K Standard	0.230	6.4	0.6	
Test 1	0.204	3.6	0.4	Pass
Test 2	0.202	3.3	0.4	Pass
Average of Tests 1 & 2	0.203	3.4	0.4	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-353-10 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.

5. 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.

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 6TH day of July 2005.



Allen Lyons, Chief
Mobile Source Operations Division

APPENDIX D-53-10

Miller Catalyzer Corporation, Catalytic Converter Series 21000, GM Trucks, Up to 14,000 lbs. ALVW												
Model Year	Vehicle Model	Engine Size	No. of Cylinders	Engine Family	Certification Level	Total Converters	Monitored	Unmonitored	Universal	Direct Fit		
1996	Chevrolet S10 Pickup	4.3L	6	TGM4.32PGKEK	Tier 1	1	1	0	21000	21061		
	Chevrolet S10 Blazer	4.3L	6			1	1	0	21000	21061		
	GMC S15 Pickup	4.3L	6			1	1	0	21000	21064		
1996	GMC S15 Jimmy	4.3L	6	TGM4.35PGFEK	Tier 1	1	1	0	21000	21064		
	Oldsmobile Bravada	4.3L	6			1	1	0	21000	21064		
	Chevrolet Astro	4.3L	6			1	1	0	21000	21058B		
1996	GMC Safari	4.3L	6	TGM4.35PGKEL	Tier 1	1	1	0	21000	21058B		
	Chevrolet Astro	4.3L	6			1	1	0	21000	21058B		
	GMC Safari	4.3L	6			1	1	0	21000	21058B		
1996	Chevrolet/GMC 1500 Pickup	4.3L	6	TGM4.38PGBEK	Tier 1	1	1	0	21000	21058B		
	Chevrolet/GMC 2500 Pickup	4.3L	6			1	1	0	21000	21058B		
	Chevrolet/GMC G1500 Van	4.3L	6			1	1	0	21000	21058B		
1996	Chevrolet/GMC G2500 Van	4.3L	6	TGM5.0HPG1EK	Tier 1	1	1	0	21000	21071		
	Chevrolet/GMC G3500 Van	5.0L	8			1	1	0	21000	21068		
	Chevrolet/GMC 1500 Pickup 4WD	5.0L	8			1	1	0	21000	21068		
1996	Chevrolet/GMC 2500 Pickup 4WD	5.0L	8	TGM5.0HPG1EK	Tier 1	1	1	0	21000	21068		
	Chevrolet/GMC G3500 Van	5.0L	8			1	1	0	21000	21068		
	Chevrolet/GMC 1500 Pickup 2WD/4WD	5.7L	8			2	2	0	21000	21060		
1996	Chevrolet/GMC 2500 Pickup 2WD/4WD	5.7L	8	TGM5.7SPGPEK	Tier 1	2	2	0	21000	21059B		
	Chevrolet/GMC G2500 Van	5.7L	8			2	2	0	21000	21059B		
	Chevrolet/GMC G3500 Van	5.7L	8			2	2	0	21000	21060		
1996	Chevrolet/GMC 3500 Pickup 2WD	5.7L	8	TGM5.76PGFEK	Tier 1	2	2	0	21000	21060		
	Chevrolet/GMC Suburban	5.7L	8			2	2	0	21000	21060		
	Chevrolet Tahoe	5.7L	8			2	2	0	21000	21060		
1996	GMC Yukon	5.7L	8	TGM5.76PGFEK	Tier 1	2	2	0	21000	21060		
	Cadillac Escalade	5.7L	8			2	2	0	21000	21060		

APPENDIX D-333-10

Miller Catalyst Corporation, Catalytic Converter Series 21000, GM Trucks, Up to 14,000 lbs. ALVW

Model Year	Vehicle Model	Engine Size	No. of Cylinders	Engine Family	Certification Level	Total Converters	Monitored	Unmonitored	Universal	Direct Fit
1996	Chevrolet/GMC 3500 Pickup 4WD	5.7L	8	TGM5.7JPG1EK	Tier 1	2	2	0	21000	21060
	Chev/GMC 2500 Pickup 2WD/4WD	7.4L	8	TGM7.418G1EK	Tier 1	2	2	0	21000	21059B
	Chev/GMC 3500 Pickup 2WD/4WD	7.4L	8			2	2	0	21000	21059B
	Chev/GMC 2500 Van	7.4L	8			2	2	0	21000	21059B
	Chev/GMC 3500 Van	7.4L	8			2	2	0	21000	21059B
	Chevrolet/GMC Suburban	7.4L	8			2	2	0	21000	21059B
	Chevrolet Tahoe	7.4L	8			2	2	0	21000	21059B
	GMC Yukon	7.4L	8			2	2	0	21000	21059B
Cadillac Escalade	7.4L	8	2			2	0	21000	21059B	
1997	Chevrolet S10 Pickup	4.3L	6	VGM4.32PG1EK	Tier 1	1	1	0	21000	21061
	Chevrolet S10 Blazer	4.3L	6			1	1	0	21000	21061
	GMC S15 Pickup	4.3L	6			1	1	0	21000	21064
	GMC S15 Jimmy	4.3L	6			1	1	0	21000	21064
	Oldsmobile Bravada	4.3L	6			1	1	0	21000	21064
	Chevrolet Astro	4.3L	6			1	1	0	21000	21059B
1997	GMC Safari	4.3L	6	VGM4.32PG2EK	TLEV	1	1	0	21000	21059B
	Chevrolet/GMC 1500 Pickup	4.3L	6	VGM4.3HPG1EK	Tier 1	1	1	0	21000	21058B
	Chevrolet/GMC 2500 Pickup	4.3L	6			1	1	0	21000	21058B
	Chevrolet/GMC G1500 Van	4.3L	6			1	1	0	21000	21058B
	Chevrolet/GMC G2500 Van	4.3L	6			1	1	0	21000	21058B
	Chevrolet Astro	4.3L	6			1	1	0	21000	21058B
GMC Safari	4.3L	6	1			1	0	21000	21058B	
1997	Chevrolet/GMC G3500 Van	4.3L	6	VGM4.3HPG3EK	LEV	1	1	0	21000	21058B
	Chevrolet/GMC 1500 Pickup 2WD	5.0L	8	VGM4.3JPG1EK	Tier 1	1	1	0	21000	21058B
	Chevrolet/GMC 2500 Pickup 2WD	5.0L	8			1	1	0	21000	21068
	Chevrolet/GMC G1500 Van	5.0L	8			1	1	0	21000	21071
	Chevrolet/GMC G2500 Van	5.0L	8			1	1	0	21000	21071
	Chevrolet/GMC 1500 Pickup 4WD	5.0L	8			1	1	0	21000	21068
Chevrolet/GMC 2500 Pickup 4WD	5.0L	8	1			1	0	21000	21068	
1997	Chevrolet/GMC G3500 Van	5.0L	8	VGM5.0JPG1EK	Tier 1	1	1	0	21000	21068
	Chevrolet/GMC 2500 Pickup 4WD	5.0L	8	1	1	0	21000	21068		

Miller Catalyst Corporation, Catalytic Converter Series 21000, GM Trucks, Up to 14,000 lbs. ALVW

Model Year	Vehicle Model	Engine Size	No. of Cylinders	Engine Family	Certification Level	Total Converters	Monitored	Unmonitored	Universal	Direct Fit
1997	Chevrolet/GMC 1500 Pickup 2WD/4WD	5.7L	8	VGM5.7HPG1EK	Tier 1	2	2	0	21000	21068
	Chevrolet/GMC 2500 Pickup 2WD/4WD	5.7L	8			2	2	0	21000	21068
	Chevrolet/GMC 3500 Pickup 2WD/4WD	5.7L	8			2	2	0	21000	21068
	Chevrolet/GMC Suburban	5.7L	8			2	2	0	21000	21060B
	Chevrolet Tahoe	5.7L	8			2	2	0	21000	21060B
	GMC Yukon	5.7L	8			2	2	0	21000	21060B
	Cadillac Escalade	5.7L	8			2	2	0	21000	21060B
	Chevrolet/GMC G2500 Van	5.7L	8			2	2	0	21000	21059B
1997	Chevrolet/GMC G3500 Van	5.7L	8	VGM5.7JPG1EK	Tier 1	2	2	0	21000	21059B
	Chevrolet/GMC Suburban	5.7L	8			2	2	0	21000	21060B
	Chevrolet Tahoe	5.7L	8			2	2	0	21000	21060B
	GMC Yukon	5.7L	8			2	2	0	21000	21060B
	Cadillac Escalade	5.7L	8			2	2	0	21000	21060B
	Chevrolet/GMC G2500 Van	5.7L	8			2	2	0	21000	21059B
	Chevrolet/GMC G3500 Van	5.7L	8			2	2	0	21000	21059B
	Chevrolet/GMC Suburban	5.7L	8			2	2	0	21000	21059B
1997	Chevrolet/GMC G3500 Van	7.4L	8	VGM7.4I8G1EK	Tier 1	2	2	0	21000	21059B
	Chevrolet/GMC G2500 Van	7.4L	8			2	2	0	21000	21059B
	Chevrolet/GMC Suburban	7.4L	8			2	2	0	21000	21059B
	Chevrolet Tahoe	7.4L	8			2	2	0	21000	21059B
	GMC Yukon	7.4L	8			2	2	0	21000	21059B
	Cadillac Escalade	7.4L	8			2	2	0	21000	21059B
	Chevrolet/GMC 2500 Pickup 2WD/4WD	7.4L	8			2	2	0	21000	21059B
	Chevrolet/GMC 3500 Pickup 2WD/4WD	7.4L	8			2	2	0	21000	21059B

Miller Catalyzer Corporation, Catalytic Converter Series 21000, GM Trucks, Up to 14,000 lbs. ALVW

Model Year	Vehicle Model	Engine Size	No. of Cylinders	Engine Family	Certification Level	Total Converters	Monitored	Unmonitored	Universal	Direct Fit
1998	Chevrolet Astro	4.3L	6	WGMXA04.3188	LEV	1	1	0	21000	21066
	GMC Safari	4.3L	6			1	1	0	21000	21066
1998	Chevrolet Astro	4.3L	6	WGMXT04.3187	TLEV	1	1	0	21000	21067
	GMC Safari	4.3L	6			1	1	0	21000	21067
1998	Chevrolet/GMC 1500 Pickup	4.3L	6	WGMXA04.3190	Tier 1	1	1	0	21000	21067
	Chevrolet/GMC 1500 Pickup	4.3L	6			1	1	0	21000	21067
1998	Chevrolet S10 Pickup	4.3L	6	WGMXT04.3184	Tier 1	1	1	0	21000	21090
	Chevrolet S10 Blazer	4.3L	6			1	1	0	21000	21090
1998	GMC S15 Pickup	4.3L	6	WGMXT04.3182	Tier 1	1	1	0	21000	21058B
	GMC S15 Jimmy	4.3L	6			1	1	0	21000	21058B
1998	Oldsmobile Bravada	4.3L	6	WGMXT04.3182	Tier 1	1	1	0	21000	21058B
	Chevrolet S10 Pickup	4.3L	6			1	1	0	21000	21061
1998	Chevrolet S10 Blazer	4.3L	6	WGMXT04.3192	Tier 1	1	1	0	21000	21058B
	Chevrolet/GMC G1500 Van	4.3L	6			1	1	0	21000	21058B
1998	Chevrolet/GMC G2500 Van	4.3L	6	WGMXT04.3182	Tier 1	1	1	0	21000	21058B
	Chevrolet/GMC G3500 Van	4.3L	6			1	1	0	21000	21058B
1998	Chevrolet/GMC 1500 Pickup	5.0L	8	WGMXA05.0182	Tier 1	1	1	0	21000	21059B
	Chevrolet/GMC 2500 Pickup	5.0L	8			1	1	0	21000	21059B
1998	Chevrolet/GMC G1500 Van	5.0L	8	WGMXA05.0185	Tier 1	1	1	0	21000	21071
	Chevrolet/GMC G2500 Van	5.0L	8			1	1	0	21000	21071
1998	Chevrolet/GMC 1500 Pickup	5.0L	8	WGMXA05.0184	Tier 1	1	1	0	21000	21059B
	Chevrolet/GMC 2500 Pickup	5.0L	8			1	1	0	21000	21059B
1998	Chevrolet/GMC G3500 Van	5.7L	8	WGMXA05.7182	Tier 1	1	1	0	21000	21068
	Chevrolet/GMC 1500 Pickup	5.7L	8			1	1	0	21000	21068
1998	Chevrolet/GMC 2500 Pickup	5.7L	8	WGMXA05.7184	Tier 1	1	1	0	21000	21068
	Chevrolet/GMC 3500 Pickup	5.7L	8			1	1	0	21000	21068
1998	Chevrolet/GMC 1500 Pickup	5.7L	8	WGMXA05.7184	Tier 1	1	1	0	21000	21068
	Chevrolet/GMC 2500 Pickup	5.7L	8			1	1	0	21000	21068

Miller Catalyst Corporation, Catalytic Converter Series 21000, GM Trucks, Up to 14,000 lbs. ALVW

Model Year	Vehicle Model	Engine Size	No. of Cylinders	Engine Family	Certification Level	Total Converters	Monitored	Unmonitored	Universal	Direct Fit
1998	Chevrolet/GMC Suburban	5.7L	8	WGMXXA05.7185	LEV	2	2	0	21000	21059B
	Chevrolet Tahoe	5.7L	8			2	2	0	21000	21059B
	GMC Yukon	5.7L	8			2	2	0	21000	21059B
1998	Cadillac Escalade	5.7L	8	WGMXXA05.7186	LEV	2	2	0	21000	21059B
	Chevrolet/GMC G2500 Van	5.7L	8			2	2	0	21000	21059B
	Chevrolet/GMC G3500 Van	5.7L	8			2	2	0	21000	21059B
	Chevrolet/GMC Suburban	5.7L	8			2	2	0	21000	21059B
	Chevrolet Tahoe	5.7L	8			2	2	0	21000	21059B
	GMC Yukon	5.7L	8			2	2	0	21000	21059B
1998	Cadillac Escalade	5.7L	8	WGMXXA05.7187	Tier 1	1	1	0	21000	21068
	Chevrolet/GMC G1500 Van	4.3L	6			1	1	0	21000	21068
	Chevrolet/GMC G2500 Van	4.3L	6			1	1	0	21000	21068
1998	Chevrolet/GMC G3500 Van	4.3L	6	WGMXXA07.4201	Tier 1	1	1	0	21000	21068
	Chevrolet/GMC 2500 Pickup	7.4L	8			2	2	0	21000	21086B
	Chevrolet/GMC 3500 Pickup	7.4L	8			2	2	0	21000	21086B
	Chevrolet/GMC G2500 Van	7.4L	8			2	2	0	21000	21059B
	Chevrolet/GMC G3500 Van	7.4L	8			2	2	0	21000	21059B
	Chevrolet/GMC Suburban	7.4L	8			2	2	0	21000	21059B
	Chevrolet Tahoe	7.4L	8			2	2	0	21000	21059B
	GMC Yukon	7.4L	8			2	2	0	21000	21059B
	Cadillac Escalade	7.4L	8			2	2	0	21000	21059B
	1999	Chevrolet Astro	4.3L			6	XGMXT04.3187	TLEV	1	1
GMC Safari		4.3L	6	1	1	0			21000	21058B
Chevrolet Astro		4.3L	6	1	1	0			21000	21059B
1999	GMC Safari	4.3L	6	XGMXXA04.3188	LEV	1	1	0	21000	21059B
	Chevrolet Astro	4.3L	6			1	1	0	21000	21058B
1999	Chev/GMC G1500 Van	4.3L	6	XGMXXA04.3190	Tier 1	1	1	0	21000	21058B
	Chev/GMC G2500 Van	4.3L	6			1	1	0	21000	21058B
1999	Chevrolet/GMC G3500 Van	4.3L	6	XGMXXA04.3192	Tier 1	1	1	0	21000	21069

Miller Catalystzer Corporation, Catalytic Converter Series 21000, GM Trucks, Up to 14,000 lbs. ALVW

Model Year	Vehicle Model	Engine Size	No. of Cylinders	Engine Family	Certification Level	Total Converters	Monitored	Unmonitored	Universal	Direct Fit
1999	Chevrolet/GMC 1500 Pickup	4.3L	6	XGMXXA04.3194	LEV	2	2	0	21000	21058B
	Chevrolet/GMC 2500 Pickup	4.3L	6			2	2	0	21000	21058B
1999	Chevrolet/GMC 1500 Pickup	4.3L	6	XGMXXA04.3195	Tier 1	2	2	0	21000	21058B
	Chevrolet/GMC 2500 Pickup	4.3L	6			2	2	0	21000	21058B
1999	Chevrolet/GMC 1500 Pickup	4.8L	8	XGMXXA04.8184	Tier 1	2	2	0	21000	21074
	Chevrolet/GMC 2500 Pickup	4.8L	8			2	2	0	21000	21074
	Chevrolet/GMC 1500 Pickup	5.0L	8			1	1	0	21000	21058B
	Chevrolet/GMC 2500 Pickup	5.0L	8			1	1	0	21000	21058B
1999	Chevrolet/GMC G1500 Van	5.0L	8	XGMXXA05.0182	Tier 1	1	1	0	21000	21069
	Chevrolet/GMC G2500 Van	5.0L	8			1	1	0	21000	21069
	Chevrolet/GMC G3500 Van	5.0L	8			1	1	0	21000	21069
1999	Chevrolet/GMC 1500 Pickup	5.0L	8	XGMXXA05.0184	Tier 1	1	1	0	21000	21058B
	Chevrolet/GMC 2500 Pickup	5.0L	8			1	1	0	21000	21058B
1999	Chevrolet/GMC 1500 Pickup	5.3L	8	YGMXXA05.3183	LEV	2	2	0	21000	21074
	Chevrolet/GMC 2500 Pickup	5.3L	8			2	2	0	21000	21074
1999	Chevrolet/GMC 3500 Pickup	5.3L	8	YGMXXA05.3185	LEV	2	2	0	21000	21074
	Chevrolet/GMC 1500 Pickup	5.7L	8			2	2	0	21000	21058B
	Chevrolet/GMC 2500 Pickup	5.7L	8			2	2	0	21000	21058B
	Chevrolet/GMC 3500 Pickup	5.7L	8			2	2	0	21000	21058B
1999	Chevrolet/GMC G2500 Van	5.7L	8	XGMXXA05.7182	Tier 1	2	2	0	21000	21069
	Chevrolet/GMC G3500 Van	5.7L	8			2	2	0	21000	21069
	Chevrolet/GMC Suburban	5.7L	8			2	2	0	21000	21058B
	Chevrolet/GMC Suburban	5.7L	8			2	2	0	21000	21058B
	Chevrolet Tahoe	5.7L	8			2	2	0	21000	21058B
	GMC Yukon	5.7L	8			2	2	0	21000	21058B
1999	Cadillac Escalade	5.7L	8	XGMXXA05.7185	LEV	2	2	0	21000	21058B
	Chevrolet/GMC Suburban	5.7L	8			2	2	0	21000	21058B
	Chevrolet Tahoe	5.7L	8			2	2	0	21000	21058B
1999	GMC Yukon	5.7L	8	XGMXXA05.7186	LEV	2	2	0	21000	21058B
	Chevrolet Tahoe	5.7L	8			2	2	0	21000	21058B
	GMC Yukon	5.7L	8			2	2	0	21000	21058B
1999	Cadillac Escalade	5.7L	8	XGMXXA05.7186	LEV	2	2	0	21000	21058B
	Cadillac Escalade	5.7L	8			2	2	0	21000	21058B

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Model Year	Vehicle Model	Engine Size	No. of Cylinders	Engine Family	Certification Level	Total Converters	Monitored	Unmonitored	Universal	Direct Fit
1999	Chevrolet/GMC 3500 Pickup	5.7L	8	XGMXXA05.7187	Tier 1	2	2	0	21000	21060
	Chevrolet/GMC Suburban	5.7L	8			2	2	0	21000	21058B
	Chevrolet Tahoe	5.7L	8			2	2	0	21000	21058B
	GMC Yukon	5.7L	8			2	2	0	21000	21058B
1999	Cadillac Escalade	5.7L	8	XGMXXA06.0182	Tier 1	2	2	0	21000	21058B
	Chevrolet/GMC 1500 Pickup	6.0L	8			2	2	0	21000	21058B
	Chevrolet/GMC 2500 Pickup	6.0L	8			2	2	0	21000	21058B
	Chevrolet/GMC 3500 Pickup	6.0L	8			2	2	0	21000	21058B
1999	Chevrolet/GMC 2500 Pickup	6.0L	8	XGMXXA06.0183	Tier 1	2	2	0	21000	21058B
	Chevrolet/GMC 3500 Pickup	7.4L	8			2	2	0	21000	21058B
	Chevrolet/GMC 3500 Pickup	7.4L	8			2	2	0	21000	21058B
	Chevrolet/GMC G2500 Van	7.4L	8			2	2	0	21000	21069
1999	Chevrolet/GMC G3500 Van	7.4L	8	XGMXXA07.4201	Tier 1	2	2	0	21000	21058B
	Chevrolet/GMC Suburban	7.4L	8			2	2	0	21000	21058B
	Chevrolet Tahoe	7.4L	8			2	2	0	21000	21058B
	GMC Yukon	7.4L	8			2	2	0	21000	21058B
2000	Cadillac Escalade	7.4L	8	YGMXXA04.3190	LEV	2	2	0	21000	21058B
	Chevrolet/GMC 1500 Pickup	4.3L	6			2	2	0	21000	21058B
2000	Chevrolet/GMC 2500 Pickup	4.3L	6	YGMXXA05.3184	Tier 1	2	2	0	21000	21058B
	Chevrolet/GMC 1500 Pickup	4.3L	6			2	2	0	21000	21058B
2000	Chevrolet/GMC 2500 Pickup	4.3L	6	YGMXXA05.3183	Tier 1	2	2	0	21000	21074
	Chevrolet/GMC 1500 Pickup	5.3L	8			2	2	0	21000	21074
2000	Chevrolet/GMC Suburban	5.3L	8	YGMXXA05.3184	LEV	2	2	0	21000	21074
	Chevrolet Tahoe	5.3L	8			2	2	0	21000	21074
2000	GMC Yukon	5.3L	8	YGMXXA05.3184	LEV	2	2	0	21000	21074
	Cadillac Escalade	5.3L	8			2	2	0	21000	21074

Miller Catalyzer Corporation, Catalytic Converter Series 21000, GM Trucks, Up to 14,000 lbs. ALVW

Model Year	Vehicle Model	Engine Size	No. of Cylinders	Engine Family	Certification Level	Total Converters	Monitored	Unmonitored	Universal	Direct Fit
2000	Chevrolet/GMC 1500 Pickup	5.3L	8	YGMXXA05.3185	LEV	2	2	0	21000	21074
	Chevrolet/GMC 2500 Pickup	5.3L	8			2	2	0	21000	21074
2000	Chevrolet/GMC 1500 Pickup	5.7L	8	YGMXXA05.7191	Tier 1	2	2	0	21000	21058B
	Chevrolet/GMC 2500 Pickup	5.7L	8			2	2	0	21000	21058B
2000	Chevrolet/GMC Suburban	5.7L	8	YGMXXA05.7194	LEV	2	2	0	21000	21060B
	Chevrolet Tahoe	5.7L	8			2	2	0	21000	21060B
2000	GMC Yukon	5.7L	8	YGMXXA05.7194	LEV	2	2	0	21000	21060B
	Cadillac Escalade	5.7L	8			2	2	0	21000	21060B
2000	Chevrolet/GMC G2500 Van	5.7L	8	YGMXTO5.7188	Tier 1	1	1	0	21000	21058B
	Chevrolet/GMC G3500 Van	5.7L	8			1	1	0	21000	21058B
2000	Chevrolet/GMC Suburban	5.7L	8	YGMXTO5.7189	Tier 1	1	1	0	21000	21060B
	Chevrolet Tahoe	5.7L	8			1	1	0	21000	21060B
2000	GMC Yukon	5.7L	8	YGMXTO5.7189	Tier 1	1	1	0	21000	21060B
	Cadillac Escalade	5.7L	8			1	1	0	21000	21060B
2000	Chevrolet/GMC Suburban	6.0L	8	YGMXTO6.0192	Tier 1	2	2	0	21000	21058B
	Chevrolet Tahoe	6.0L	8			2	2	0	21000	21058B
2000	GMC Yukon	6.0L	8	YGMXTO6.0192	Tier 1	2	2	0	21000	21058B
	Cadillac Escalade	6.0L	8			2	2	0	21000	21058B
2000	Chevrolet/GMC 2500 Pickup	7.4L	8	YGMXXA07.4201	Tier 1	2	2	0	21000	21059B
	Chevrolet/GMC 3500 Pickup	7.4L	8			2	2	0	21000	21059B
2000	Chevrolet/GMC G2500 Van	7.4L	8	YGMXXA07.4201	Tier 1	2	2	0	21000	21059B
	Chevrolet/GMC G3500 Van	7.4L	8			2	2	0	21000	21059B
2001	Chevrolet/GMC 1500 Pickup	4.3L	6	IGMXXA04.3190	LEV	2	2	0	21000	21058B
	Chevrolet/GMC 2500 Pickup	4.3L	6			2	2	0	21000	21058B
2001	Chevrolet/GMC G1500 Van	4.3L	6	IGMXXA04.3192	LEV	1	1	0	21000	21058B
	Chevrolet/GMC G2500 Van	4.3L	6			1	1	0	21000	21058B
2001	Chevrolet/GMC G1500 Van	5.0L	8	IGMXXA05.0181	Tier 1	1	1	0	21000	21058B
	Chevrolet/GMC G2500 Van	5.0L	8			1	1	0	21000	21058B

Miller Catalyzer Corporation, Catalytic Converter Series 21000, GM Trucks, Up to 14,000 lbs. ALVW

Model Year	Vehicle Model	Engine Size	No. of Cylinders	Engine Family	Certification Level	Total Converters	Monitored	Unmonitored	Universal	Direct Fit
2001	Chevrolet/GMC G3500 Van	5.0L	8	IGMXXAO5.0182	Tier 1	1	1	0	21000	21058B
	Chevrolet/GMC Suburban	5.3L	8	IGMXXAO5.3184	LEV	2	2	0	21000	21074
	Chevrolet Tahoe	5.3L	8			2	2	0	21000	21074
GMC Yukon	5.3L	8	2			2	0	21000	21074	
2001	Cadillac Escalade	5.3L	8	IGMXXAO5.3184	LEV	2	2	0	21000	21074
	Chevrolet/GMC 1500 Pickup	5.3L	8			2	2	0	21000	21074
	Chevrolet/GMC 2500 Pickup	5.3L	8			2	2	0	21000	21074

Miller Catalyzer Corporation, Catalytic Converter Series 21000, Mercedes Benz SUVs, Up to 14,000 lbs. ALVW

Model Year	Vehicle Model	Engine Size	No. of Cylinders	Engine Family	Certification Level	Total Converters	Monitored	Unmonitored	Universal	Direct Fit
1998	M Class SUV ML 320, Right	3.2L	6	WMBXTO3.2GNB	LEV	2	1	1	21000	21820
	M Class SUV ML 320, Left	3.2L	6			2	1	1	21000	21830

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Miller Catalyst Converter Series 21000, Toyota/Lexus Trucks and SUVs, Up to 14,000 lbs. ALVW

Model Year	Vehicle Model	Engine Size	No. of Cylinders	Engine Family	Certification Level	Total Converters	Monitored	Unmonitored	Universal	Direct Fit
1996	Land Cruiser 4WD	4.5L	8	1TY4.55JGFEK	Tier 1	2	2	0	21000	21978 & 21979
						2	2	0	21000	21978 & 21979
1997	LX450	4.5L	8	VTY4.55JGKEK	Tier 1	2	2	0	21000	21978 & 21979
						2	2	0	21000	21978 & 21979
1998	Land Cruiser Wagon 4WD	4.7L	8	W1YXV04.7GBX	LEV	4	4	0	21000	21750 & 21751
						4	4	0	21000	21750 & 21751
1999	Land Cruiser Wagon 4WD	4.7L	8	XTYX104.7GBX	LEV	4	4	0	21000	21750 & 21751
						4	4	0	21000	21750 & 21751
2000	Tundra 2WD, 4WD	4.7L	8	YTYX104.7GXW	LEV	3	3	0	21000	21851 & 21852
						4	4	0	21000	21750 & 21751
2000	Land Cruiser Wagon	4.7L	8	YTYX104.7GBX	LEV	4	4	0	21000	21750 & 21751
						4	4	0	21000	21750 & 21751
2001	Land Cruiser 4WD	4.7L	8	1TYX104.7FBV	LEV	4	4	0	21000	21750 & 21751
						4	4	0	21000	21851 & 21852
2001	Tundra 4WD	4.7L	8	1TYX104.7FBY	LEV	2	2	0	21000	21750 & 21751
						2	2	0	21000	21851 & 21852

APPENDIX D- 3-10

Miller Catalyzer Corporation, Catalytic Converter Series 21000, VW VANS, Up to 14,000 lbs. ALVW										
Model Year	Vehicle Model	Engine Size	No. of Cylinders	Engine Family	Certification Level	Total Converters	Monitored	Unmonitored	Universal	Direct Fit
1997	Eurovan VR6	2.8L	6	VVW2.828GF/GM1	Tier 1	1	1	0	21000	21373
1999	Eurovan	2.8L	6	XVWXT02.8225	Tier 1	1	1	0	21000	21373
2000	Eurovan VR6	2.8L	6	YVWXT02.8225	Tier 1	1	1	0	21000	21373
2001	Eurovan VR6	2.8L	6	1VWXT02.8225	T1EV	1	1	0	21000	21373