

**State of California  
AIR RESOURCES BOARD**

**EXECUTIVE ORDER D-353-44**

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

Miller Catalyzer Corporation  
"Series 31000 Three-way Catalytic Converters"

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, Miller Catalyzer Corporation of 3295 Depot Road, Hayward, California 94545, 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 31000 three-way catalytic converters (TWC) on selected 1996 through 2003 model year General Motors medium-duty vehicles equipped with on-board diagnostic II (OBD-II) systems as specified in Appendix D-353-44 and incorporated herein. Series 31000 TWC will be used for dual parallel catalytic converter system applications (one unit per bank) and may be sold as 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 converters comply 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 Umicore Automotive Catalyst USA using the Air Resources Board-modified RAT-A bench-aging cycle for 100 hours as specified in Appendix A to the "California Evaluation Procedures for New Aftermarket Catalytic Converters" as adopted on October 25, 2007.

WHEREAS, previous emissions and OBD II compatibility tests conducted by Miller Catalyzer Corporation using a vehicle of weight classification and exhaust configuration similar to those listed in Appendix D-353-44 and certified to Low Emission Vehicle (LEV) standards resulted in the issuance of Executive Orders D-353-17, it was determined that the installation of Series 31000 on the vehicles listed in Appendix D-353-44 meets the requirements of California regulation for aftermarket catalytic converters.

THEREFORE, IT IS HEREBY RESOLVED that Miller Catalyzer Corporation's 31000 TWCs are exempted from the prohibitions in Vehicle Code Sections 27156 and 38391 for installation on the approved vehicle applications specified in Appendix D-353-44 subject to the following conditions:

1. No changes are permitted to the catalytic converters as described in the application for exemption. Any changes to the catalytic converters 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 converters using identifications other than those shown in the exemption application, and in this Executive Order, or marketing of the catalytic converters 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 converters 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 converters and is only a finding that the catalytic converters are exempt from the prohibitions of Vehicle Code Sections 27156 and 38391.
4. Miller Catalyzer Corporation's installation instructions for the new catalytic converters 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 converters 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 converters 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. Miller Catalyzer Corporation and its vendors may not advertise the new aftermarket catalytic converters as "high flow or easy flow" catalytic converters 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. Miller Catalyzer Corporation, its associates, vendors, other businesses and individuals associated with Miller Catalyzer Corporation 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. Miller Catalyzer Corporation 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. Miller Catalyzer Corporation 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. Miller Catalyzer Corporation's vehicle application catalog must conform with the requirements specified under Section (f)(4) of the "California Evaluation Procedures for New Aftermarket Catalytic Converters," as adopted on October 25, 2007.

Executive Order D-353-22 dated May 23, 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 11<sup>th</sup> day of December 2008.

  
Annette Hebert, Chief  
Mobile Source Operations Division

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Miller Catalyzer Corporation, Catalytic Converter Series 31000, GM Medium Duty Trucks, Up to 14,000 ALVW

No.	Model Year	Vehicle Model	Engine Size	Engine Family	Certification Level	Weight Class	Exhaust Type	Total Converters	Converter Type	Monitored	Universal	Direct Fit
1		Chevrolet/GMC 1500 2WD/4WD, Sierra	5.7L	TGM5.75PGFEK	Tier 1	MDV3	D	2	2TWC	2	31212	31060
		Chevrolet/GMC 2500 2WD/4WD, Sierra		TGM5.76PGFEK								
2		Chevrolet/GMC G2500 Van										
3	1996	Chevrolet/GMC Tahoe, Yukon	5.7L	TGM5.75PGFEK	Tier 1	MDV3	D	2	2TWC	2	31212	31060
		Chevrolet/GMC Pickup 2WD		TGM5.76PGFEK								
4		Chevrolet/GMC Suburban	7.4L	TGM5.7JPG1EK	Tier 1	MDV3	D	2	2TWC	2	31212	31060
		C2500/2WD - Suburban, Pickup, Sierra		TGM7.4I8G1EK								
5		C3500/2WD - Pickup, Sierra	7.4L		Tier 1	MDV3	D	2	2TWC	2	31212	31060
		K2500/4WD - Suburban, Pickup, Sierra										
6		K3500/4WD - Pickup, Sierra	7.4L	TGM5.7JPG1EK	Tier 1	MDV3	D	2	2TWC	2	31212	31060
		G1500/G2500/2WD - Chevrolet Express, Savana, Chevrolet Van		TGM7.4I8G1EK								
7	1997	G3500/2WD - Chevrolet Express, Savana, Chevrolet Van	7.4L		Tier 1	MDV3	D	2	2TWC	2	31212	31060
		Chevrolet/GMC C1500										
8		Chev/GMC 2500 2WD/4WD	7.4L	VGM5.7HPG1EK	Tier 1	MDV2						N/A
		Chev/GMC 3500 2WD/4WD		VGM5.7JPG1EK								
9		Chev/GMC 2500 Van	7.4L	VGM5.7JPG1EK	Tier 1	MDV3	D	2	2TWC	2	31212	31060
		Chev/GMC 3500 Van		VGM5.7JPG1GK								
10		Chevrolet/GMC Suburban	7.4L	VGM7.4I8G1EK	Tier 1	MDV3						N/A
		Chevrolet/GMC C1500										

5		Chevrolet/GMC C1500		VGM5.7HPG1EK	Tier 1	MDV2						
		Chevrolet/GMC K1500										
6		Chevrolet/GMC C2500/C3500	5.7L	VGM5.7JPG1EK	Tier 1	MDV3						31060
		Chevrolet/GMC K2500/K3500										
7	1997	Chevrolet/GMC G1500/G2500/G3500		VGM5.7JPG1GK	Tier 1	MDV3	D	2	2TWC	2	31212	31060
		Chevrolet/GMC C1500/C2500										
		Chevrolet/GMC G1500/G2500 Van										
		Chevrolet/GMC K1500										
8		Chevrolet/GMC C2500/C3500	7.4L	VGM7.4I8G1EK	Tier 1	MDV3						N/A
		Chevrolet/GMC K2500/K3500										
		Chevrolet/GMC G3500 Van										

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Miller Catalyzer Corpoartion, Catalytic Converter Series 31000, GM Medium Duty Trucks, Up to 14,000 ALVW													
No.	Model Year	Vehicle Model	Engine Size	Engine Family	Certification Level	Weight Class	Exhaust Type	Total Converters	Converter Type	Monitored	Universal	Direct Fit	
9	1998	Chevrolet/GMC C1500	5.7L	WGMXA05.7182	Tier 1	MDV2	D	2	2TWC	2	31212	31060	
		Chevrolet/GMC K1500											
		Chevrolet/GMC C2500											
		Chevrolet/GMC K1500											
		Chevrolet/GMC G1500/G2500 Van											
		Chevrolet/GMC C1500											
10			Chevrolet/GMC K1500		WGMXA05.7184		MDV3						
11			Chevrolet/GMC C1500		WGMXA05.7185	LEV	MDV2						
		Chevrolet/GMC K1500		WGMXA05.7186									
12			Chevrolet/GMC C1500										
			Chevrolet/GMC K1500										
13			Chevrolet/GMC C2500/C3500	7.4L	WGMXA07.4201	Tier 1	MDV3						N/A
	Chevrolet/GMC K2500/K3500												
	Chevrolet/GMC G3500 Van												

14	1999	Chevrolet/GMC C1500	4.3L	XGMXA04.3190	Tier 1	MDV2	D	2	2TWC	2	31212	31074								
		Chevrolet/GMC K1500																		
		Chevrolet/GMC C1500																		
		Chevrolet/GMC K1500																		
		Chevrolet/GMC C1500																		
		Chevrolet/GMC K1500																		
15			Chevrolet/GMC C1500		XGMXA04.3194								LEV							
16			Chevrolet/GMC C1500		XGMXA04.3195								Tier 1							
		Chevrolet/GMC K1500		XGMXA04.8184																
17			Chevrolet/GMC C1500	4.8L	YGMXA05.3183								LEV							
		Chevrolet/GMC K1500																		
		Chevrolet/GMC C1500																		
18		Chevrolet/GMC C1500	5.3L	YGMXA05.3185	LEV															
	Chevrolet/GMC K1500																			
	Chevrolet/GMC Silverado, Sierra																			
19		Chevrolet/GMC C1500	5.7L	XGMXA05.7182	Tier 1															
	Chevrolet/GMC K1500																			
20		Chevrolet/GMC C1500			XGMXA05.7185	LEV														
	Chevrolet/GMC K1500																			
21		Chevrolet/GMC C1500																		
		Chevrolet/GMC K1500																		

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Miller Catalyzer Corporation, Catalytic Converter Series 31000, GM Medium Duty Trucks, Up to 14,000 ALVW

No.	Model Year	Vehicle Model	Engine Size	Engine Family	Certification Level	Weight Class	Exhaust Type	Total Converters	Converter Type	Monitored	Universal	Direct Fit
22	1999	Chevrolet/GMC C1500	5.7L	XGMXA05.7186	LEV	MDV3	D	2	2TWC	2	31212	31060
		Chevrolet/GMC K1500										
		Chevrolet/GMC C2500/C3500										
23		Chevrolet/GMC K2500/K3500	5.7L	XGMXA05.7187	Tier 1							
24		Chevrolet/GMC G1500/G2500/G3500		XGMXA06.0182								
		Chevrolet/GMC C2500		XGMXA06.0183	Tier 1							
25	Chevrolet/GMC C2500	6.0L										
	Chevrolet/GMC K2500											
26	Chevrolet/GMC C2500/C3500	7.4L	XGMXA07.4201									
	Chevrolet/GMC K2500/K3500											

27	2000	Chevrolet/GMC 1500 Pickup	4.3L	YGMXA04.3190	LEV	MDV2	D	2	2TWC	2	31212	TBD
28		Chevrolet/GMC 1500 Pickup		YGMXT04.3184	Tier 1							
29		Chevrolet/GMC C1500, K1500	4.8L	YGMXA05.3183								
		Chevrolet/GMC K1500, C1500, C2500										
30		Chevrolet/GMC C1500	5.3L	YGMXA05.3184	LEV							
		Chevrolet/GMC K1500										
		Chevrolet/GMC C1500										
		Chevrolet/GMC K1500										
31		Chevrolet/GMC C1500		YGMXA05.7185								
		Chevrolet/GMC K1500										
		Chevrolet/GMC G1500/G2500										
		Chevrolet/GMC C2500/C3500										
32	Chevrolet/GMC K2500/K3500	5.7L	YGMXA05.7191	Tier 1								
	Chevrolet/GMC G1500/G2500/G3500											
	Chevrolet/GMC C1500											
33	Chevrolet/GMC G1500 Van	5.0L	YGMXA05.7194	LEV								
34	Chevrolet/GMC C1500	5.7L	YGMXT05.7188									
	Chevrolet/GMC G1500/G2500	5.0L		Tier 1								
35	Chevrolet/GMC Suburban K1500, C1500	5.7L	YGMXT05.7189									
	Chevrolet/GMC Yukon C1500											
	Cadillac Escalade											

Miller Catalyzer Corporation, Catalytic Converter Series 31000, GM Medium Duty Trucks, Up to 14,000 ALVW												
No.	Model Year	Vehicle Model	Engine Size	Engine Family	Certification Level	Weight Class	Exhaust Type	Total Converters	Converter Type	Monitored	Universal	Direct Fit
36	2000	Chevrolet/GMC C2500	6.0L	YGMXT06.0192	Tier 1	MDV3	D	2	2TWC	2	31212	TBD
		Chevrolet/GMC K2500										
37	2000	Chevrolet/GMC C2500/C3500	7.4L	YGMXA07.4201	Tier 1	MDV3	D	2	2TWC	2	31212	TBD
		Chevrolet/GMC K2500/K3500										
		Chevrolet/GMC G3500										
38	2001	Chevrolet C1500/K1500 Silverado	4.3L	1GMXA04.3190	LEV	MDV2	D	2	TWC	2	31000	TBD
		GMC C1500/K1500 Sierra	4.8L	1GMXA05.3184								
39	2001	Chevrolet C1500/K1500 Tahoe	4.8L	1GMXA05.3184	LEV	MDV3	D	2	TWC	2	31000	TBD
		Chevrolet C1500/K1500 Tahoe	5.3L									
		GMC C1500/K1500 Yukon										

## Additional Vehicles 1

Miller Catalyzer Corporation, Catalytic Converter Series 31000, GM Medium Duty Trucks, Up to 14,000 ALVW												
No.	Model Year	Vehicle Model	Engine Size	Engine Family	Certification Level	Weight Class	Exhaust Type	Total Converters	Converter Type	Monitored	Universal	Direct Fit
40	1998	Pickup 1500/2500/3500	5.7L	WGMXA05.7187	Tier 1	MDV3						
41	1999	G1500/2500 Van	4.8L	XGMXA05.7184								
42	2000	Silverado/Sierra 1500, PU 1500/2500	4.8L	YGMXT05.3181	LEV	MDV2						
		Silverado/Sierra 1500	5.3L									
43	2001	Silverado/Sierra 1500	4.8L	1GMXA05.3183	LEV	MDV3	D	2	2TWC	2	31212	TBD
		Silverado/Sierra 1500	5.7L	1GMXA06.0194								
44	2001	G1500/2500 Van	6.0L	1GMXA06.0194	Tier 1	MDV3						
45	2001	Yukon	8.1L	1GMXA08.1202								
46	2002	Express / Van	5.7L	2GMXA06.0194	LEV	MDV3						
		Chevrolet G1500/2500 (Express Passenger, Van Cargo) 2WD	6.0L									
46	2002	GMC G1500/2500 Savanna (Cargo, Passenger) 2WD	6.0L		LEV	MDV3						
		Cadillac Escalade AWD, XLT, EXT										
		K1500 Yukon (Denali, XL) AWD										

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Miller Catalyzer Corporation, Catalytic Converter Series 31000, GM Medium Duty Trucks, Up to 14,000 ALVW												
No.	Model Year	Vehicle Model	Engine Size	Engine Family	Certification Level	Weight Class	Exhaust Type	Total Converters	Converter Type	Monitored	Universal	Direct Fit
47	2003	CHEVROLET Silverado 1500 2WD, 4WD	4.8L	3GMXT05.3183	LEV	MDV2	D	2	2TWC	2	31212	TBD
		GMC Sierra 1500 2WD, 4WD										
		CHEVROLET SSR										
		CHEVROLET Trailblazer 2WD, 4WD										
		CHEVROLET Van 1500										
		CHEVROLET Van 2500										
		Isuzu Ascender 2WD, 4WD										
		GMC Envoy 2WD, 4WD										
GMC Savana 1500												
GMC Savana 2500												
48	2003	CHEVROLET Express 1500 2WD, 4WD	5.3L	3GMXT05.3184	LEV	MDV3	D	2	2TWC	2	31212	TBD
		CHEVROLET Express 2500 2WD										
		CHEVROLET Silverado 1500 4WD										
		CHEVROLET Tahoe 1500 2WD, 4WD										
		CHEVROLET Van 1500 2WD, 4WD										
		CHEVROLET Van 2500 2WD, 4WD										
		GMC Savana 1500 2WD, 4WD										
		GMC Savana 2500 2WD, 4WD										
GMC Sierra 1500 4WD												
49		GMC Yukon 1500 2WD, 4WD	4.8L	3GMXT06.0187	LEV	MDV3	D	2	2TWC	2	31212	TBD
		CADILLAC Escalade AWD										
		CHEVROLET Silverado SS										
50		GMC Yukon 1500 AWD	6.0L	3GMXT06.0194	LEV	MDV3	D	2	2TWC	2	31212	TBD
		Hummer H2										