

**State of California  
AIR RESOURCES BOARD**

**EXECUTIVE ORDER D-353-43**

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 1995 through 2003 model year General Motors light-duty trucks 2 (LDT2) and medium-duty vehicles equipped with on-board diagnostic II (OBD-II) systems as specified in Appendix D-353-43 and incorporated herein. Series 31000 TWC will be used for single catalytic converter application (one unit) 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 Catalysts 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-353-43 and certified to Low Emission Vehicle (LEV) standards resulted in the issuance of Executive Orders D-353-13, it was determined that the installation of Series 31000 on the vehicles listed in Appendix D-353-43 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-353-43 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-353-21 dated February 22, 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 12<sup>th</sup> day of December 2008.

  
Annette Hebert, Chief  
Mobile Source Operations Division

Miller Catalyzer Corporation, Catalytic Converter Series 31000, for GM MDV and LDT2												
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 S10 Pickup	4.3L	TGM4.32PGKEK	Tier 1	LDT2		1	TWC	1	31212	31061
		Chevrolet S10 Blazer										31061
		GMC S15 Pickup										31064
		GMC S15 Jimmy										31064
		Oldsmobile Bravada										31064
		Chevrolet Van 2WD, GMC Savana 2WD										31058B
		Chevrolet Astro, K1500 PU 2WD & 4WD										31058B
		GMC Safari, K1500 Sierra 2WD & 4WD										31058B
		Chevrolet Astro										31058B
		GMC Safari										31058B
2	1996	Chevrolet/GMC 1500 Pickup	4.3L	TGM4.35PGFEK	Tier 1	MDV2		1				31058B
		Chevrolet/GMC 2500 Pickup										31058B
		Chevrolet/GMC G1500 Van										31058B
		Chevrolet/GMC G2500 Van										31058B
		Chevrolet/GMC G3500 Van										31058B
		Chevrolet/GMC 1500 Pickup 2WD										31058B
		Chevrolet/GMC 2500 Pickup 2WD										31058B
		Chevrolet/GMC G1500 Van										31058B
		Chevrolet/GMC G2500 Van										31058B
		Chevrolet/GMC G3500 Van										31058B
3		Chevrolet/GMC 1500 Pickup	5.0L	TGM5.0HPG1EK	Tier 1	MDV2		1				31068
		Chevrolet/GMC 2500 Pickup 2WD										31068
		Chevrolet/GMC G1500 Van										31071
		Chevrolet/GMC G2500 Van										31071
		Chevrolet/GMC 1500 Pickup 4WD										31068
		Chevrolet/GMC 2500 Pickup 4WD										31068
		Chevrolet/GMC G3500 Van										31068
		Chevrolet S10 Pickup										31061
		Chevrolet S10 Blazer										31061
		GMC S15 Pickup										31064
GMC S15 Jimmy	31064											
4	1997	Oldsmobile Bravada	4.3L	VGM4.32PG1EK	Tier 1	LDT2		1				31064
		Chevrolet S10 Pickup										31064
		Chevrolet S10 Blazer										31064
		GMC S15 Pickup										31064
		GMC S15 Jimmy										31064
		Oldsmobile Bravada										31064
		Chevrolet S10 Pickup										31061
		Chevrolet S10 Blazer										31061
		GMC S15 Pickup										31064
		GMC S15 Jimmy										31064
Oldsmobile Bravada	31064											

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	
8		Chevrolet Astro		VGM4.32PG2EK	TLEV	LDT2						31059B	
		GMC Safari				31059B							
9		Chevrolet/GMC 1500 Pickup	4.3L	VGM4.3HPG1EK	Tier 1	MDV2						31058B	
		Chevrolet/GMC 2500 Pickup											31058B
		Chevrolet/GMC G1500 Van											31058B
		Chevrolet/GMC G2500 Van											31058B
		Chevrolet Astro											31058B
10		GMC Safari		VGM4.3HPG3EK	LEV							31058B	
		Chevrolet/GMC G3500 Van				31058B							
11	1997	Chevrolet/GMC G3500 Van		VGM4.3JPG1EK		MDV3						31068	
		Chevrolet/GMC 1500 Pickup 2WD				31068							
12		Chevrolet/GMC 2500 Pickup 2WD		VGM5.0HPG1EK	Tier 1	MDV2						31071	
		Chevrolet/GMC G1500 Van											31071
		Chevrolet/GMC G2500 Van											31071
		Chevrolet/GMC 1500 Pickup 4WD											31068
		Chevrolet/GMC 2500 Pickup 4WD											31068
13		Chevrolet/GMC G3500 Van	5.0L	VGM5.0JPG1EK		MDV3		S	TWC	1	31212	31068	
		Chevrolet Astro				31066							
14		GMC Safari		WGMXA04.3188	LEV	MDV2						31066	
		Chevrolet Astro				31067							
15		Chevrolet Astro		WGMXT04.3187	TLEV	LDT2						31067	
		GMC Safari				31067							
16	1998	Chevrolet/GMC 1500 Pickup	4.3L	WGMXA04.3190		MDV2						31067	
		Chevrolet/GMC 1500 Pickup											
17		Chevrolet S10 Pickup		WGMXT04.3184	Tier 1	LDT2						31090	
		Chevrolet S10 Blazer											31090
		GMC S15 Pickup											31058B
		GMC S15 Jimmy											31058B
		Oldsmobile Bravada											31058B

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
18		Chevrolet S10 Pickup	4.3L	WGMXT04.3182	Tier 1	MDV2	S	1	TWC	1	31212	31061
		Chevrolet S10 Blazer		31061								
19		Chevrolet/GMC G1500 Van	4.3L	WGMXT04.3192	Tier 1	MDV3	S	1	TWC	1	31212	31058B
		Chevrolet/GMC G2500 Van										31058B
		Chevrolet/GMC G3500 Van										31058B
		Chevrolet/GMC 1500 Pickup										31059B
		Chevrolet/GMC 2500 Pickup										31059B
20		Chevrolet/GMC G1500 Van	5.0L	WGMXA05.0182	Tier 1	MDV2	S	1	TWC	1	31212	31071
		Chevrolet/GMC G2500 Van										31071
		Chevrolet/GMC 1500 Pickup										31059B
		Chevrolet/GMC 2500 Pickup										31059B
21		Chevrolet/GMC 1500 Pickup	5.0L	WGMXA05.0184	Tier 1	MDV3	S	1	TWC	1	31212	31058B
		Chevrolet/GMC 2500 Pickup										31058B
22		Chevrolet Astro	4.3L	XGMXT04.3187	TLEV	LDT2	S	1	TWC	1	31212	31058B
		GMC Safari										31059B
		Chevrolet Astro										31059B
		GMC Safari										31059B
23		Chevrolet/GMC G1500 Van	4.3L	XGMXA04.3188	LEV	MDV2	S	1	TWC	1	31212	31058B
		Chevrolet/GMC G2500 Van										31058B
24		Chevrolet/GMC G1500 Van	4.3L	XGMXA04.3190	Tier 1	MDV2	S	1	TWC	1	31212	31069
		Chevrolet/GMC G3500 Van										31058B
		Chevrolet/GMC 1500 Pickup										31058B
25		Chevrolet/GMC G3500 Van	4.3L	XGMXA04.3192	Tier 1	MDV3	S	1	TWC	1	31212	31069
		Chevrolet/GMC 1500 Pickup										31058B
26		Chevrolet/GMC 2500 Pickup	5.0L	XGMXA05.0182	Tier 1	MDV2	S	1	TWC	1	31212	31069
		Chevrolet/GMC G1500 Van										31069
		Chevrolet/GMC G2500 Van										31069
		Chevrolet/GMC 1500 Pickup										31058B
27		Chevrolet/GMC 2500 Pickup	5.0L	XGMXA05.0184	Tier 1	MDV3	S	1	TWC	1	31212	31058B
		Chevrolet/GMC G3500 Van										31058B

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	
28	2000	Chevrolet/GMC G2500 Van	5.0L	YGMXT05.7188	Tier 1	MDV2	S	1	TWC	1	31212	31058B	
		Chevrolet/GMC G3500 Van		YGMXT05.7189		MDV3						31058B	
		Chevrolet G1500/2500 Van				31060B							
		GMC G1500/2500 Savana				31060B							
30	2001	Chevrolet/GMC G1500 Van	4.3L	1GMXA04.3192	LEV	MDV2						31058B	
		Chevrolet/GMC G2500 Van											31058B
31	2001	Chevrolet/GMC G1500 Van	5.0L	1GMXA05.0181	Tier 1	MDV3						31058B	
		Chevrolet/GMC G2500 Van		1GMXA05.0182									31058B
		Chevrolet/GMC G3500 Van											31058B

## 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
33	1995	S-10 Blazer/Jimmy	4.3L	S3G4.329GFGJ	Tier 1	LDT2						
		S-10 Pickup, Sonoma										
34	1996	Lumina MV, Silhouette, Transport	3.4L	TGM3.428GFEK								
35	1997	Venture, Transport, Silhouette		VGM3.428G2EK	TLEV							
36	1998	G1500/2500 Van	4.3L	WGMXA04.3192	Tier 1	MDV3						
		Venture, Transport, Silhouette		WGMXT03.4142								
38	1999	Venture, Transport, Silhouette	3.4L	XGMXT03.4142	TLEV	LDT2	S	1	TWC	1	31212	TBD
		Venture, Montana, Silhouette		YGMXT03.4142								
40	2000	Chevrolet Trailblazer EXI	4.2L	2GMXA04.2187	LEV	MDV2						
		GMC Envoy XL		2GMXT04.2185								
41	2002	Chevrolet Trailblazer 2WD/4WD	4.2L			LDT2						
		Oldsmobile Bravada 2WD/4WD										
		GMC Envoy 2WD/4WD										

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
42	2002	Chevrolet G1500/2500 Express 2WD	4.3L	2GMXA04.3192	LEV	MDV2						
		Chevrolet G1500/2500 Van 2WD										
		GMC G1500/2500 Savanna Cargo 2WD										
		GMC G1500/2500 Savanna Passenger 2WD										
43	2002	G1500/2500 VAN	5.0L	2GMXT05.0181	Tier 1	MDV3						
		G1500/2500 VAN		2GMXT05.0182								
44	2002	CHEVROLET Trailblazer	4.2L	3GMXT04.2185		LDT2		S	TWC	1	31212	TBD
		GMC Envoy										
		Oldsmobile Bravada										
		Isuzu Ascender										
45	2003	CHEVROLET Express 1500 2WD	4.3L	3GMXT04.3184	LEV	MDV2						
		CHEVROLET Express 2500 2WD										
		CHEVROLET Silverado 1500 2WD, 4WD										
		CHEVROLET Van 1500 2WD										
		CHEVROLET Van 2500 2WD										
		GMC Savana 1500 2WD										
GMC Savana 2500 2WD												
46	2003	GMC Sierra 1500 2WD, 4WD	3.4L	3GMXT03.4141		LDT2						
		Rendezvous, Venture, Silhouette, Aztec, Montana										