

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER D-353-12
Relating to Exemptions under Section 27156
of the Vehicle Code

Miller Catalyzer Corporation
"Series 19000 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 19000 three-way catalytic converter (TWC) for installation on selected 1996 through 2001 model year Honda/Acura passenger cars equipped with on-board diagnostic II (OBD-II) systems as specified in Appendix D-353-12 and incorporated herein. The Series 19000 TWC will be used for single (one unit) exhaust system applications for selected Honda/Acura passenger cars.

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-353-12.

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 Delphi Energy and Chassis Systems 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 1998 2.3L Honda Accord 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 19000 TWC (one unit) installed.

OBD II compatibility tests performed on the same test vehicle showed that Series 19000 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				
2.3L Honda Test				
	NMOG	CO	NOx	Remarks
100K Standard	0.090	4.2	0.3	
Test 1	0.086	1.0	0.1	Pass
Test 2	0.084	1.2	0.1	Pass
Average of Tests1 & 2	0.085	1.1	0.1	Pass

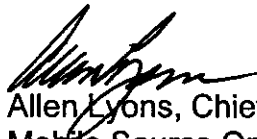
IT IS HEREBY RESOLVED that the above catalytic converter is exempt from the prohibitions in Vehicle Code Section 27156 for installation on the approved vehicle applications specified in Appendix D-353-12 subject to the following conditions:

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.

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 20th day of October 2005.



Allen Lyons, Chief
Mobile Source Operations Division

APPENDIX D-353-12

Miller Catalyzer Corporation, Catalytic Converter Series 19000, Honda/Acura Passenger Cars, Up to 3,750 lbs. LVW										
Model Year	Vehicle Model	Engine Size	No. of Cylinders	Engine Family	Certification Level	Total Converters	Monitored	Unmonitored	Universal	Direct Fit
1996	Accord EX	2.2L	4	THN2.2VJGKEK	Tier1	1	1	0	19000	19110/ 19110S/ 19410
1996	Prelude Si	2.3L	4	THN2.3VJGFEK	Tier1	1	1	0	19000	19450
1996	Accord EX V6	2.7L	6	THN2.7VJG1EK	Tier1	1	1	0	19000	19440
1997	Prelude, Prelude Type SH	2.2L	4	VHN2.2VJG1EK	Tier1	1	1	0	19000	19500
1997	Acura 3.0CL	3.0L	6	VHN3.0VJG2EK	TLEV	1	1	0	19000	19440
1998	Prelude VTEC, Prelude VTEC-R	2.2L	4	WHNXV02.2SA1	Tier1	1	1	0	19000	19500
1998	Accord LX, EX	2.3L	4	WHNXV02.3PA3	LEV	1	1	0	19000	19400/ 19150
1998	Accord DX	2.3L	4	WHNXV02.3PL2	TLEV	1	1	0	19000	19400/ 19150
1998	Accord LX, EX	3.0L	6	WHNXV03.0FL2	TLEV	1	1	0	19000	19470
1998	Acura 3.0CL	3.0L	6	WHNXV03.0ZL2	TLEV	1	1	0	19000	19440
1998	Acura 3.5RL	3.5L	6	WHNXV03.5YA1	Tier1	1	1	0	19000	19540
1998	Acura 3.2TL	3.2L	6	WHNXV03.2HA1	Tier1	1	1	0	19000	19530

Additional Applications

Miller Catalyzer Corporation, Catalytic Converter Series 19000, Honda/Acura Passenger Cars, Up to 3,750 lbs. LVW											
Model Year	Vehicle Model	Engine Size	No. of Cylinders	Engine Family	Certification Level	Exhaust Type	Total Converters	Converter Type	Monitored	Universal	Direct Fit
1996	Accord LX V6 Sedan	2.7L	6	THN2.7VJG1EK	Tier 1	S	1	TWC	1	19000	19440
1996	Odyssey EX/LX, Isuzu Oasis S/L/S	2.2L	4	THN2.2VJGKGK	Tier 1	S	1	TWC	1	19000	19460
1996	Integra	1.8L	4	THN1.8VJGFFK	Tier 1	S	1	TWC	1	19000	19420
1996	3.2 TL	3.2L	5	THN3.2VJGKEK	Tier 1	S	1	TWC	1	19000	19530
1996	3.5 RL	3.5L	6	THN3.5VJGKEK	Tier 1	S	1	TWC	1	19000	19540

1997	Accord LX, EX Sedan	2.7L	6	VHN2.7VJG1EK	Tier 1	S	1	TWC	1	19000	19440
1997	Odyssey EX/LX, Isuzu Oasis S/L/S	2.2L	4	VHN2.2VJGKGK	Tier 1	S	1	TWC	1	19000	19460
1997	Integra 3DR GS-R	1.8L	4	VHN1.8VJGKEK	Tier 1	S	1	TWC	1	19000	19420
	Integra 4DR GS-R	1.8L	4			S	1	TWC	1	19000	19420
1997	2.2 CL	2.2L	4	VHN2.2VJGKEK	Tier 1	S	1	TWC	1	19000	19410/ 19110/ 19110S
	Accord EX Wagon	2.2L	4			S	1	TWC	1	19000	19410/ 19110/ 19110S
1997	3.2 TL	3.2L	6	VHN3.2VJGKEK	Tier 1	S	1	TWC	1	19000	19530
1997	3.5 RL	3.5L	6	VHN3.5VJGKEK	Tier 1	S	1	TWC	1	19000	19540

1998	CR-V EX/LX, 2WD, 4WD	2.0L	4	WHNXT02.0UL2	TLEV	S	1	TWC	1	19000	19480
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Miller Catalyzer Corporation, Catalytic Converter Series 19000, Honda/Acura Passenger Cars, Up to 3,750 lbs. LVW											
Model Year	Vehicle Model	Engine Size	No. of Cylinders	Engine Family	Certification Level	Exhaust Type	Total Converters	Converter Type	Monitored	Universal	Direct Fit
1998	Odyssey EX/LX, Isuzu Oasis S/LS	2.3L	4	WHNXV02.3BA1	Tier 1	S	1	TWC	1	19000	19460
1998	Accord EX/LX Coupe	3.0L	6	WHNXV03.0FL2	TLEV	S	2	TWC	2	19000	19550/ 19560
	Accord EX/LX Sedan	3.0L	6			S	2	TWC	2	19000	19550/ 19560
1998	Integra 3DR/4DR - RS, GS, LS	1.8L	4	WHNXV01.8WA1	TIER1	S	1	TWC	1	19000	19420
1998	Integra 3DR/4DR - GS-R, Type-R	1.8L	4	WHNXV01.8XA1	TIER1	S	1	TWC	1	19000	19420
1998	2.3 CL	2.3L	4	WHNXV02.3RA1	TIER1	S	1	TWC	1	19000	19410/ 19110/ 19110S

1999	Prelude	2.2L	4	XHNXXV02.2SA1	TIER1	S	1	TWC	1	19000	19500
	Prelude Type-SH	2.2L	4			S	1	TWC	1	19000	19500
1999	Accord EX/LX Coupe	2.3L	4	XHNXXV02.3PA3	LEV	S	1	TWC	1	19000	19400
	Accord EX/LX Sedan	2.3L	4			S	1	TWC	1	19000	19400
1999	Accord DX Sedan	2.3L	4	XHNXXV02.3PL2	TLEV	S	1	TWC	1	19000	19400
1999	Accord EX V6 Sedan/Coupe	3.0L	6	XHNXXV03.0FL2	TLEV	S	1	TWC	1	19000	19470
	Accord LX V6 Sedan/Coupe	3.0L	6			S	1	TWC	1	19000	19470
1999	CR-V EX/LX 4WD	2.0L	4	XHNXT02.0UA2	TLEV	S	1	TWC	1	19000	19480
	CR-V LX 2WD	2.0L	4			S	1	TWC	1	19000	19480

Miller Catalyzer Corporation, Catalytic Converter Series 19000, Honda/Acura Passenger Cars, Up to 3,750 lbs. LVW											
Model Year	Vehicle Model	Engine Size	No. of Cylinders	Engine Family	Certification Level	Exhaust Type	Total Converters	Converter Type	Monitored	Universal	Direct Fit
1999	Integra 3 DR LS/GS	1.8L	4	XHNXXV01.8WA1	TIER1	S	1	TWC	1	19000	19420
	Integra 4DR GS/LS	1.8L	4			S	1	TWC	1	19000	19420
1999	Integra 3 DR GS-R	1.8L	4	XHNXXV01.8XA1	TIER1	S	1	TWC	1	19000	19420
	Integra 3DR Type-R	1.8L	4			S	1	TWC	1	19000	19420
1999	2.3CL	2.3L	4	XHNXXV02.3RA1	TIER1	S	1	TWC	1	19000	19410/ 19110/ 19110S
1999	3.0CL	3.0L	6	XHNXXV03.0ZL2	TLEV	S	1	TWC	1	19000	19440
1999	3.2TL	3.2L	6	XHNXXV03.2GL2	TLEV	S	1	TWC	1	19000	19470
1999	3.5RL	3.5L	6	XHNXXV03.5YA1	TIER1	S	1	TWC	1	19000	19540
2000	S2000	2.0L	4	YHNXXV02.0MA3	LEV	S	1	TWC	1	19000	19510
2000	Prelude	2.2L	4	YHNXXV02.2SA1	TIER1	S	1	TWC	1	19000	19500
2000	Accord DX Sedan	2.3L	4	YHNXXV02.3PA3	LEV	S	1	TWC	1	19000	19400
2000	Accord EX V6 Coupe/Sedan	3.0L	6	YHNXXV03.0FA3	LEV	S	1	TWC	1	19000	19470
	Accord LX V6 Coupe/Sedan	3.0L	6			S	1	TWC	1	19000	19470

Miller Catalyst Corporation, Catalytic Converter Series 19000, Honda/Acura Passenger Cars, Up to 3,750 lbs. LVW											
Model Year	Vehicle Model	Engine Size	No. of Cylinders	Engine Family	Certification Level	Exhaust Type	Total Converters	Converter Type	Monitored	Universal	Direct Fit
2000	CR-V	2.0L	4	XHNXT02.0UA2	TLEV	S	1	TWC	1	19000	19480
2000	Integra 3 DR LS	1.8L	4	YHNXXV01.8WA2	TLEV	S	1	TWC	1	19000	19420
	Integra 3 DR GS	1.8L	4			S	1	TWC	1	19000	19420
	Integra 4 DR LS	1.8L	4			S	1	TWC	1	19000	19420
	Integra 4 DR GS	1.8L	4			S	1	TWC	1	19000	19420
2000	Integra 3 DR Type-R	1.8L	4	YHNXXV01.8XA1	TIER1	S	1	TWC	1	19000	19420
2000	Integra 3 DR GS-R	1.8L	4	YHNXXV01.8XA2	TLEV	S	1	TWC	1	19000	19420
	Integra 4 DR GS-R	1.8L	4			S	1	TWC	1	19000	19420
2000	3.5RL	3.5L	6	YHNXXV03.5YA3	LEV	S	1	TWC	1	19000	19540

2001	Honda S2000	2.0L	4	1HNXXV02.0C5U	LEV	S	1	TWC	1	19000	19510
2001	Honda Accord	2.3L	4	1HNXXV02.3VH2	LEV	S	1	TWC	1	19000	19400
2001	Honda Accord 2/4 Dr (LX, LX-SE, EX)	3.0L	6	1HNXXV03.0M5U	LEV	S	1	TWC	1	19000	19470
2001	Prelude SE, Type-SH	2.2L	4	1HNXXV02.2E14	TIER1	S	1	TWC	1	19000	19500
2001	CR-V 2WD/4WD	2.0L	4	1HNXT02.0P3E	TLEV	S	1	TWC	1	19000	19480
2001	Integra Type-R	1.8L	4	1HNXXV01.8512	TIER1	S	1	TWC	1	19000	19420
2001	Integra LS/GS	1.8L	4	1HNXXV01.833E	TLEV	S	1	TWC	1	19000	19420
2001	3.2CL	3.2L	6	1HNXXV03.2K5U	LEV	S	1	TWC	1	19000	19470
2001	3.5 RL	3.5L	6	1HNXXV03.5A5U	LEV	S	1	TWC	1	19000	19540