

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER D-193-55
Relating to Exemptions under Section 27156
of the Vehicle Code

Car Sound Exhaust System, Inc. (d.b.a. Magnaflow)
"Three-way Catalytic Converter Series 45000"

WHEREAS, Vehicle Code Sections 27156, 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.

WHEREAS, Car Sound Exhaust System, Inc. (Car Sound) of 22961 Arroyo Vista, Rancho Santa Margarita, California 92688, has applied for exemption from the prohibitions in Vehicle Code Sections 27156 to market its new aftermarket Series 45000 three-way catalytic converter (TWC) on 1996 through 2003 Chrysler light-duty trucks 2 (LDT2) equipped with an on-board diagnostic II (OBD-II) system as specified in Appendix D-193-55 and incorporated herein. The application coverage excludes vehicles equipped with a warm-up catalytic converter. The TWC will be used in single and dual parallel underbody vehicle applications. The Series 45000 TWC may also be installed on non-OBD II vehicles (1995 and older) similar in engine displacement, test weight, and exhaust configuration to those listed in Appendix D-193-55.

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 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 (Umicore) using the ARB-modified RAT-A bench-aging cycle for 100 hours, as specified for category vehicles 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 and Development Services (ATDS), Ontario, California, with Series 45000 TWC installed on a 1999 3.8L Chrysler Town & Country Van, test group XCRXT232230, certified to the Low Emission Vehicle emission standards and LDT2 weight category (LEV, LDT2), showed that the catalytic converter met the applicable emission standards. The following are the test results in grams per mile:

	<u>NMOG</u>	<u>CO</u>	<u>NOx</u>
LDT2 100K LEV standards	0.130	5.5	0.5
Series 45000 TWC Test 1	0.119	1.0	0.2
Series 45000 TWC Test 2	0.104	0.8	0.2

OBD II compatibility tests performed on the same test vehicle showed that Series 45000 TWC did not affect the vehicle's ability to perform OBD II system monitoring.

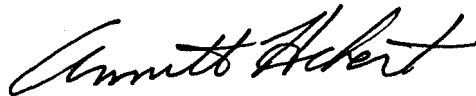
IT IS HEREBY RESOLVED that the above catalytic converter is exempt from the prohibitions in Vehicle Code Section 27156 for installation on the approved vehicle applications specified in Appendix D-193-55 subject to the following conditions:

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 its 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 this product 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 Car Sound Exhaust System, Inc., 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. Car Sound Exhaust System, Inc.'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. Car Sound Exhaust System, Inc. 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 it appear to perform better than an OEM catalytic converter.
7. Car Sound, its associates, vendors, other businesses, and individuals may not sell or supply the substrates of the new aftermarket catalytic converters to a third party to be assembled in a different facility and marketed under this Executive Order.

8. Any marketing arrangement of the new aftermarket catalytic converters 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. Car Sound must submit the required quality audit and production quantity reports for its aftermarket catalytic converters 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 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 7 day of July 2008.



Annette Hebert, Chief
Mobile Source Operations Division

APPENDIX D-193-55

Car Sound Exhaust System, Inc. Series 45000 for Chrysler LDT2

No.	Model Year	Make	Vehicle Model	Engine Size	Engine Family	Cert. Level	Weight Class	Exhaust Type	Converter Type	Total Converters	Monitored	Universal	Direct Fit	
1	1996	Chrysler	Caravan, Voyager	2.4 L	TCR2.428GF EK	Tier1	LDT2	S	TWC	1	1	45005	TBD	
2			Caravan, Voyager, Town & Country	3.3 L	TCR20128G2FL	TLEV							Tier1	45279
3				3.8 L	TCR23228G1EK									
4			Dakota	3.9 L	TCR23928G1EK	45006							TBD	
5			Grand Cherokee	4.0 L	TCR24228G1EK	45036						45226		
6			Cherokee		TCR24228G1FK									
7			Grand Cherokee	5.2 L	TCR31828G1EK	Tier1						45037	45296	
8			Dakota		TCR31828G1EK							45006	TBD	
9			Grand Cherokee		TCR31828G1EK							45036	45226	
10			Dakota		TCR31828G1EL							45006	TBD	
11	Grand Cherokee		5.9 L	TCR36028G1EL	45036	45226								
12	1997		Caravan, Voyager	2.4 L	VCR14828G1EK	TLEV						45005	TBD	
13			Caravan, Voyager, Town & Country	3.3 L	VCR20128G2FL	Tier1							45279	
14				3.8 L	VCR23228G1EK									
15			Dakota	3.9 L	VCR23928G1EK	45006							TBD	
16			Cherokee	4.0 L	VCR24228G1EK	45036						45226		
17			Wrangler		VCR24228G1EL	45035						TBD		
18			Cherokee		VCR24228G1EL	45036						45226		
19			Wrangler		VCR24228G1EL	45035						TBD		
20			Dakota	5.9 L	VCR36028G1EK	45006						45226		
21			Grand Cherokee	5.2 L	VCR36028G1EK	45036						45226		
22	1998		Dakota	2.5 L	WCRXT0150110	Tier1						45006	TBD	
23			Caravan, Voyager, Town & Country	3.3 L	WCRXA0201230							45005	45279	
24			Caravan, Voyager	2.4 L	WCRXT02.42B0								TBD	
25			Caravan, Voyager, Town & Country	3.3 L	WCRXT0201230								45279	
26			Dakota	3.8 L	WCRXT0232220	45006							45294	
27			Caravan, Voyager, Town & Country	3.9 L	WCRXT0239211	45005						45279		
28			Dakota	3.8 L	WCRXT03.82B0	45006						TBD		
29			Dakota	5.2 L	WCRXT0360211	Tier1						45006	TBD	
30			Grand Cherokee	5.9 L								45036	45226	
31			Grand Cherokee	5.2 L								45006	45226	
32	Dakota		5.9 L	45006								TBD		
33	1999		Dakota	3.9 L	XCRXT0239211	LEV						45005	45277	
34			Caravan, Voyager	2.4 L	XCRXT0148230									

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30	1999	Chrysler	Caravan, Voyager, Town & Country	3.3 L	XCRXT0201230	LEV	LDT2	S	TWC	1	1	45005	45279		
31				3.8 L	XCRXT0232220	TLEV									
32					XCRXT0232230	LEV									
33			Town & Country	3.8 L	XCRXT03.82B0	Tier1									
34			Caravan, Voyager, Town & Country	3.3 L	XCRXT03.82B1										
35				3.8 L											
36	Dakota		5.2 L	XCRXT0360211	LEV							45006	TBD		
37	Dakota		5.9 L	XCRXT0360211											
38	2000		Caravan, Voyager	2.4 L	YCRXT0148230	LEV						45005	45277		
39			Caravan, Voyager, Town & Country	3.3 L	YCRXT0201230										
40				3.8 L	YCRXT0232230	Tier1						45005	45279		
41			Dakota	3.9 L	YCRXT03.92C1									TLEV	45006
42				5.9 L	YCRXT0360221	TBD									
43			2001	Caravan, Voyager	2.4 L							1CRXT02.42D0	LEV	45055	45201
44	Caravan, Voyager, Town & Country			3.3 L	1CRXT03.32DP	45202									
45					1CRXT03.32DT										
46				3.8 L	1CRXT03.82D0	45204									
47					1CRXT02.42D0										
48	Caravan, Voyager			2.4 L	2CRXT02.42D0	45201									
49	Liberty Sport		2.4 L	2CRXT02.42D5											
50	2002		Caravan, Voyager, Town & Country	3.3 L	2CRXT03.32DP	LEV				45006		TBD			
51				3.8 L	2CRXT03.82D0									45055	45202
52					3.3 L										
53					3.8 L										
54	Caravan, Voyager		2.4 L	3CRXT02.42D0	45201										
55	Liberty		2.4 L	3CRXT02.43D0		45006				TBD					
56	2003		Caravan, Voyager, Town & Country	3.3 L	3CRXT03.32DP							1		45055	45202
57				3.8 L	3CRXT03.32DR										
58		3.3 L			3CRXT03.82D0										
		3.8 L			3CRXT03.82D1										