

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER D-193-52  
Relating to Exemptions under Section 27156  
of the Vehicle Code

Car Sound Exhaust System, Inc.  
"Three-way Catalytic Converter Series 43000"

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 43000 three-way catalytic converter (TWC) on selected 1996 through 2004 DaimlerChrysler medium-duty vehicles equipped with an on-board diagnostic II (OBD-II) system as specified in Appendix D-193-52 and incorporated herein. The application coverage excludes vehicles equipped with a warm-up catalyst. The TWC will be used in single and dual parallel underbody vehicle applications. The Series 43000 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-193-52.

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 Delphi Engine and Chassis Systems using the ARB-modified RAT-A bench-aging cycle for 100 hours, as specified for category two (2) 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 43000 TWC installed on a 1999 5.9L Dodge Durango, test group XCRXA0360H32, certified to the Medium-Duty Vehicle 2, Low Emission Vehicle emission standards (MDV2, LEV), 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>
MDV2 120K LEV standards	0.230	6.4	0.6
Average with Series 43000 TWC	0.217	4.4	0.5

OBD II compatibility tests performed on the same test vehicle showed that Series 43000 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 A 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.

Executive Order No. D-193-37 dated August 9, 2006, is hereby superseded and is no longer of further force and effect.

Executed at El Monte, California, this 7 day of April 2008.



Annette Hebert, Chief  
Mobile Source Operations Division

APPENDIX D-193-52

Car Sound Exhaust System, Inc. Series 43000 for Chrysler MDV's

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	Dodge	B1500/B2500	3.9L	TCR239H8G1EK	Tier 1	MDV2	S	TWC	1	1	43037	43296							
			RAM 1500															43285		
2				B1500/B2500/B3500	5.9L							TCR360H8G1EK	43037	43296						
				RAM 1500/2500	5.2L									43285						
3				Dakota 2WD	5.9L							TCR360H8G1EL	43006	TBD						
			Dakota 4WD																	
4			Jeep	Grand Cherokee	5.2L			43036		43226										
5					5.9L															
1997			Dodge	B1500/B2500/B3500	5.2L		TCR360J8G1EK	MDV3		S	TWC	2	2	43037	43296					
				RAM 2500/3500 LH/RH	8.0L		TCR488K8G1EK	MDV4							D	43036	TBD			
		6			B1500/B2500		3.9L	VCR239H8G1EK						MDV2	S	1	1	43037	43296	
				RAM 1500																43285
	7			Dakota	5.2L	VCR318H8G1EK	MDV2	S	1					1	43006	TBD				
				RAM 1500/2500														43037	43285	
	8																			
					B1500/B2500/B3500	5.2L	VCR360H8G1EL	MDV2	S			1	1	43037	43296					
						5.9L														
					RAM 1500/2500	5.2L														
					5.9L															
9			Dakota	5.2L	VCR360J8G1EK	MDV3	S	TWC	1	1	43006	TBD								
			RAM 1500/2500 4WD	5.2L																
10			RAM 1500/2500/3500	5.9L		MDV4														
			Dakota	5.2L	VCR360H8G1EL	MDV2	S	TWC	1	1	43037	43285								
				5.9L																
			B1500/B2500/B3500	5.2L																
				5.9L																
		RAM 1500/2500	5.2L																	
11				5.9L																
			B1500/B2500/B3500	5.2L	VCR360J8G1EL	MDV3														
12			RAM 1500/2500/3500	5.9L		MDV4														
1998			RAM 2500/3500 LH/RH	8.0L	VCR488K8G1EK					2	2	43036	TBD							
	13		RAM 1500	3.9L	WCRXA0239H11	MDV2	S	TWC	1	1	43037	43285								
	14		Durango																43006	TBD
	15			B1500/B2500	5.2L						WCRXA0239J11	MDV2	S	TWC	1	1	43037	43295		
				RAM 1500/2500																
	16			Dakota	5.2L						WCRXA0318H11	MDV2	S	TWC	1	1	43006	TBD		
				RAM 1500/2500																
	17			Dakota	5.2L						WCRXA0360H31	LEV	S	TWC	1	1	43006	TBD		
				Durango																
	18				5.9L						WCRXA0360H32									
	19			B1500/B2500/B3500	5.9L						WCRXA0360J31									
20				5.2L	WCRXA0360J11						Tier 1	MDV3	TWC	1	1	43037	43295			
			RAM 1500/2500/3500																43285	
21			RAM 2500/3500 LH/RH	8.0L	WCRXA0488K11		MDV4	D		2	2	43036	TBD							

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22	1999	Dodge	B1500/B2500	3.9L	XCRXA0239H11	Tier 1	MDV2	S	TWC	1	1	43037	43295	
			RAM 1500											43285
23			Durango										XCRXA0239H12	43006
24			Dakota	5.2L	XCRXA0318H11	LEV	MDV2					43037	43285	
25			RAM 1500/2500/3500	5.9L	XCRXA0360H31									
26			Durango	5.2L	XCRXA0360H32	Tier 1	MDV3					43006	43280	
27				5.9L	XCRXA0360J11									
28			B1500/B2500/B3500	5.2L	XCRXA0360J31	LEV	MDV3					43037	43295	
				5.9L									43285	
				5.2L										
29		RAM 1500/2500	5.9L	XCRXA0488K11	LEV	MDV4	D	2	2	43036	TBD			
		RAM 2500/3500 LH/RH	8.0L											
30	2000	Dodge	B1500/B2500	3.9L	YCRXA0239H11	Tier 1	MDV2	S	TWC	1	1	43037	TBD	
			RAM 1500											TBD
31			B1500/B2500/B3500	5.2L	YCRXA0360H11	LEV	MDV2					43037	43285	
				5.9L									43280	
				5.2L										
32			Durango	5.2L	YCRXA0360H32	LEV	MDV2					43006	TBD	
				5.9L										
33			B1500/B2500/B3500	5.2L	YCRXA0360J11	LEV	MDV3					43037	43285	
				5.9L										
				5.2L										
34		RAM 1500/2500	5.2L	YCRXA0488J11	LEV	MDV3	D	2	2	43036	TBD			
		RAM 3500 (Code Z engine)	5.9L											
35	2001	Dodge	RAM 2500/3500 LH/RH	8.0L	1CRXA0360J11	Tier 1	MDV3	S	1	1	43037	TBD		
				B1500/B2500/B3500								5.2L	43206	
				RAM 1500/2500								5.2L	43006	TBD
				RAM 3500 4WD HDV (Code 5 engine)								5.9L	43037	43206
36			RAM 1500/2500	5.2L	1CRXA0360J18	LEV	MDV3	S	1	1	43006	TBD		
			RAM 3500 2WD HDV (Code 5 engine)	5.9L										
37			VAN Cab Chassis 3500 HDV	5.9L	1CRXA0360K11	Tier 1	MDV4	S	1	1	43037	43207		
38			VAN Cab Chassis 3500	5.9L	1CRXA0360K18									
39			RAM 1500 PICKUP 2WD	3.9L	1CRXT03.95B9	LEV	MDV2	S	1	1	43037	43203		
			B1500/B2500										43208	

Additional Vehicles 1

40	2001	Dodge	RAM 1500 PICKUP 2WD	3.9L	1CRXT03.95B2	Tier 1	MDV2	S	TWC	1	1	43037	43203
41			DURANGO 4WD	5.9L	1CRXT05.95B2								MDV3
42			RAM 3500 PU 4WD, RAM CAB CHASSIS 4WD, RAM PU 2WD/4WD	5.9L	1CRXAO360K11		MDV2					43037	
43			RAM 1500 PU 4WD, RAM 2500/3500 PU 2WD/4WD, RAM 2500 CAB CHASSIS 4WD	5.2L/5.9L	1CRXAO360J11								

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43	2001	Dodge	VAN 1500/2500/3500 2WD, WAGON 2500 2WD	5.2L/5.9L	1CRXAO360J11	Tier 1	MDV2	S	TWC	1	1	43037	43207
44			RAM 3500 P/U 2WD MDV	8.0L	1CRXA0488J18		MDV4					43036	TBD
45							1CRXA0488K18						

Additional Vehicles 2

46	2002	Dodge	RAM 1500 PICKUP	3.7L	2CRXT03.75B0	Tier 1	MDV2	S	TWC	1	1	43037	43214	
47			RAM: VAN 1500 2WD, WAGON 1500 2WD	3.9L	2CRXT03.95B0		MDV3						43209	
48			RAM: VAN 1500/2500/3500 2WD, WAGON 2500/3500 2WD	5.2L/5.9L	2CRXA0360J10		MDV2						43006	43210
49			RAM: VAN 1500 2WD, WAGON 1500 2WD		2CRXT05.95B0		MDV4							
50			RAM 3500: CAB CHASSIS 2WD/4WD, PU 4WD		2CRXA0360K10									
51			RAM 2500 CAB CHAS 4WD, 2500/3500 PICK UP 2WD/4WD	8.0L	2CRXA0488J11		MDV3						43036	43212 (D/S), 43213 (P/S)
52			RAM 3500: CAB CHASSIS 4WD, PU 2WD/4WD	2CRXA0488K11	MDV4									

Additional Vehicles 3

53	1996	Chrysler	Ram 2500/3500	8.0 L	TCR488J8G1EK	Tier 1	MDV3	S	TWC	1	1	43036	TBD
54	1997				VCR488J8G1EK								
55	1998				WCRXA0488J11								
56	1999				XCRXA0488J11								
57	2000		YCRXA0488K11	MDV4									
58	2001		Ram 1500	5.2 L	1CRXT05.95B1		MDV2					43206	
59				5.9 L	1CRXT05.95B8								
60	2003		Ram 1500/2500/3500	5.7 L	3CRXT05.96B1		MDV3					43037	
61			Ram 1500	5.9 L	3CRXT05.95B1		MDV2						
62			Ram Van 1500/2500/3500	5.2 L	3CRXT05.96B0		MDV3						
63				5.9 L									
63			Ram 1500	5.2 L	3CRXT05.95B0		MDV2						TBD
64			Ram Van 1500	5.9 L									
64			Dakota	3.9 L	3CRXT03.95B1								
65		Ram Van 1500/2500	3.9 L	3CRXT03.95B0	43037								
66	Ram 1500	3.7 L	3CRXT03.75B0										
67	2004	Ram 2500/3500	5.7 L	4CRXT05.77X0	LEV	MDV3	D	2	2	43006			