

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER D-193-63  
Relating to Exemptions under Section 27156  
of the Vehicle Code

Car Sound Exhaust System, Inc.  
"Series 44000/41000 OBD II Compliant Three-way Catalytic Converters"

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, Car Sound Exhaust System, Inc. (Car Sound) of 22961 Arroyo Vista, Rancho Santa Margarita, California 92688, has applied to the Air Resources Board for exemption from the prohibitions in Vehicle Code Section 27156 to market its new aftermarket Series 44000 and 41000 three-way catalytic converters (TWC) for installation on selected 1995 through 2004 model year Toyota passenger cars (PC) and light-duty trucks (LDT1) equipped with on-board diagnostic II (OBD-II) systems as specified in Appendix D-193-63 and incorporated herein. The Series 44000 will be used as front catalytic converters for single or dual exhaust systems, and Series 41000 used as rear catalytic converter for multiple catalytic converter applications.

Series 44000 and 41000 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-193-63.

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 converters comply with the California Vehicle Code Section 27156 and Title 13, California Code of Regulations, Section 2222(h). The emissions performance of Series 44000 and 41000 was based on durability bench-aging by Delphi Energy and Chassis Systems using Air Resources Board-modified RAT-A bench-aging cycle for 75 and 100 hours respectively 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, previous emissions and OBD II compatibility tests conducted by Car Sound Exhaust System, Inc. using a vehicle of a weight classification and exhaust configuration similar to those listed in Appendix D-193-63 and certified to Low Emission Vehicle (LEV) standards resulted in the issuance of Executive Order D-193-54, it was determined that the installation of Series 44000/41000 TWC on the vehicles listed in Appendix D-193-63 meets the requirements of California regulations for aftermarket catalytic converters.

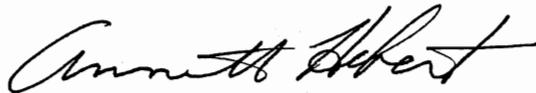
IT IS HEREBY RESOLVED that the above catalytic converters are exempt from the prohibitions in Vehicle Code Section 27156 for installation on the vehicles listed in Appendix D-193-63 subject to the following conditions:

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 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 converters and is only a finding that the catalytic converters are exempt from the prohibitions of Vehicle Code Section 27156.
4. Car Sound Exhaust System, Inc.'s installation instructions for the new catalytic converters 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 converters 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 converters as "high or easy flow" catalytic converters or use any phrase that could make them appear to perform better than an OEM catalytic converters.
7. The new aftermarket catalytic converters substrate may not be sold or supplied to a third party by Car Sound, its associates, vendors, other businesses, and individuals associated with Car Sound, 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 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.

Executive Order D-193-57 dated July 15, 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 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 25 day of August 2008.



Annette Hebert, Chief  
Mobile Source Operations Division

APPENDIX D-193-63

Car Sound Exhaust System, Inc. Series 44000/41000 for Toyota PC and LDT1

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	Toyota	Rav 4	2.0 L	TTY2.01JG2GK	TLEV	LDT1	S	TWC(2)	2	1	44004/41004	TBD
2	1997			2.0 L	VTY2.01JG2GK								
3	1998			2.0 L	WTYXT02.0GXJ								
4	1999			2.0 L	XTYXT02.0GXJ								
5				2.0 L	YTYXT02.0FFJ								
6	2000	Tacoma	2.4 L	YTYXT02.4FFJ	LEV	LDT1	D	TWC(2)					
7			2.7 L	YTYXT02.7FFJ									
8			3.4 L	YTYXT03.4FFH									
9			2.0 L	1TYXT02.0FFH									
10	2001	Rav 4	2.4 L	1TYXT02.4FFH	LEV	LDT1	S	2TWC					
11			2.7 L	1TYXT02.7FFH									
12			3.4 L	1TYXT03.4FFH									
13			2.0 L	2TYXT02.0FFH									
14	2002	Tacoma	2.4 L	2TYXT02.7FFH	LEV	LDT1	D	TWC(2)					
15			2.7 L	2TYXT03.4FFH									
16			2.0 L	3TYXT02.0FFH									
17	2003	Rav 4	2.4 L	3TYXT02.7FFH	LEV	LDT1	S	2TWC					
18			2.7 L	3TYXT03.4FFH									
19			3.4 L	3TYXT03.4FFH									
20	2004	Tacoma	2.4 L	4TYXT02.7VMH	LEV	LDT1	D	TWC(2)	2	1	44005/41005	TBD/41757	
				2.7 L	4TYXT03.4VRH	LEV	LDT1	S	TWC(2)	2	2	44004	44758/41757
				3.4 L	4TYXT03.4VRH	LEV	LDT1	D	2TWC	2	2	44005/41005	44759/41770

Additional Vehicles 1

No.	Model Year	Make	Vehicle Model	Engine Size	Engine Family	Cert. Level	Weight Class	Exhaust Type	Converter Type	Total Converters	Monitored	Universal	Direct Fit	
21	1995		LS400	4.0 L	STY4.0VJG1GK	TIER1	PC	D/Y	2TWC/TWC	3	2	44004/41005	TBD	
22			Camry	2.2 L	TTY2.2VJG2GK	TLEV		PC	S	TWC(2)	2	1	44004/41004	44801/41769
			Celica										TBD/41886	
23	1996	Toyota	SC300	3.0 L	TTY3.0VJGKEK	TIER1								
24			Supra Turbo		TTY3.0VJGKHK	TIER1						44007/41005		
25			SC400	4.0 L	TTY4.0VJGKEK			D/Y	2TWC/TWC	3	2	44004/41005		
26			LS400		TTY4.0VJGKHK									
27	1997		Celica	2.2 L	VTY2.2VJG2GK	TLEV	PC	S	TWC(2)	2	1	44004/41004	TBD/41886	
28			Camry			LEV						44005/41005	44882/41750	
29			SC300	3.0 L	VTY3.0VJGKEK	TIER1							2	44005

APPENDIX D-193-63

Car Sound Exhaust System, Inc. Series 44000/41000 for Toyota PC and LDT1

No.	Model Year	Make	Vehicle Model	Engine Size	Engine Family	Cert. Level	Weight Class	Exhaust Type	Converter Type	Total Converters	Monitored	Universal	Direct Fit	
29	1997		Supra	3.0 L	VTY3.0VJGKEK		PC	D	2TWC	2	2	44005	TBD	
30			GS300		VTY3.0VJGKHK			TIER1	S					TWC(2)
31			Supra Turbo	VTY4.0VJGKEK	4.0 L				D	2TWC(2)	4	2	44004/41005	
32			LS 400	VTY4.0VJGKHK										
33			Celica	2.2 L	WTYXV02.2DXD	TLEV	S	TWC(2)	2	1	44004/41004	TBD/41886		
34			Camry		WTYXV02.2GXB	LEV		WUTWC/TWC						
35			GS300	WTYXV03.0BBC	3.0 L				D	2TWC	2	44005	TBD	
36			SC300	WTYXV03.0GXB										TIER1
37			LS400	4.0 L	WTYXV04.0DBB	TIER1	D	2TWC	2	1	44004/41004	TBD/41886		
38			Celica		XTYXV02.2DXD								TLEV	TWC(2)
39			Camry/Solara	XTYXV02.2GXB	LEV	WUTWC/TWC		2	44005/41005	44882/41750				
40			GS300	XTYXV03.0DBF	TLEV	2TWC		3	44005	TBD				
41	ES300	XTYXV03.0GBC	LEV	2TWC/TWC										
42	1999	Toyota	RX 300	3.0 L	XTYXV03.0GBE	LEV	D/Y	2WUTWC/TWC	3	2	44005/41005	TBD		
43			Avalon		XTYXV03.0GXB								TLEV	2TWC
44			Camry/Solara		XTYXV04.0DBA								TLEV	2WUTWC/TWC
45			GS400	4.0 L	YTYXT03.0FFE	LEV	D	2WUTWC/TWC	3	2	44005/41005	TBD		
46			LS400		YTYXV01.8FFD								LEV	2TWC/TWC
47			RX 300	YTYXV03.0DDF	TLEV	2TWC		2	44005					
48			MR2	YTYXV03.0FFC	LEV	2WUTWC/TWC					3	44005/41005	TBD/41880	
49	2000		Avalon	3.0 L	YTYXV03.0FFD	LEV	D/Y	2TWC/TWC	3	2	44005/41005	TBD/41880		
50			GS 300		YTYXV03.0FXB								LEV	2WUTWC/TWC
51			Camry/Solara	YTYXV04.0DDA	TLEV	2TWC		2	44005	TBD				
52	LS 400	1TYXV01.8FFC	LEV	2TWC/TWC	3	44004/41004	TBD/41880							
53	SC 400	1TYXV03.0FFB	LEV	2WUTWC/TWC	3	44005/41005	TBD/41880							
54	GS 400													

APPENDIX D-193-63

Car Sound Exhaust System, Inc. Series 44000/41000 for Toyota PC and LDT1

No.	Model Year	Make	Vehicle Model	Engine Size	Engine Family	Cert. Level	Weight Class	Exhaust Type	Converter Type	Total Converters	Monitored	Universal	Direct Fit
54	2001		Avalon	3.0 L	1TYXV03.0FFC	LEV	PC	D/Y	2WUTWC/TWC	3	2	44005/41005	TBD/41880
55			ES 300		1TYXV03.0FFD				44005/41006			TBD	
56			RX 300		1TYXV03.0FFE				44004/41004			44603/41899	
57			IS 300		2TYXV01.8FFC				TBD			TBD	
58	2002	Toyota	Camry/Solara	3.0 L	2TYXV03.0FFB	LEV	PC	D/Y	2WUTWC/TWC	3	2	44005/41005	TBD/41880
59			Avalon		2TYXV03.0FFD				TBD/41880				
60			RX 300		2TYXV03.0FFE				TBD				
61			GS 300		2TYXV03.0FFF				44603/41899				
62	2003	Toyota	IS 300	1.8 L	3TYXV01.8FFB	LEV	PC	S	TWC(2)	2	2	44004/41004	TBD
63			Celica		3TYXV01.8FFC				44005/41005			TBD	
64			MR2		3TYXV03.0FFB				44005/41005			TBD	
65			Camry/Solara		3TYXV03.0FFD				44005/41005			TBD	
66	2003	Toyota	Avalon	3.0 L	3TYXV03.0FFE	LEV	PC	D/Y	2WUTWC/TWC	3	2	44005/41006	44603/41899
67			RX 300		3TYXV03.0FFF				44004/41004			TBD	
68			IS 300		3TYXV03.0FFF				44005/41005			TBD	
69	2004	Toyota	MR2	1.8 L	4TYXV01.8VMD	LEV	PC	D/Y	2WUTWC/TWC	3	2	44004/41004	TBD
70			Avalon		4TYXV03.0VMC				44005/41005			44603/41899	
			GS 300	3.0 L	4TYXV03.0VMD	LEV	PC	D/Y	2WUTWC/TWC	3	2	44005/41006	44603/41899
			IS 300		4TYXV03.0VMD				44005/41006			TBD	