

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER D-193-54  
Relating to Exemptions under Section 27156  
of the Vehicle Code

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

WHEREAS, Vehicle Code Section 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 limited 1996 through 2001 model year 3.0L and 3.4L Ford passenger cars equipped with on-board diagnostic II (OBD-II) systems and multiple (2 or 3 units) catalytic converter systems as specified in Appendix D-193-54 and incorporated herein. Series 44000 TWCs will be used as front catalytic converters (2 units). Series 41000 TWC will be used as the rear catalytic converter (1 unit) for multiple catalytic converter systems (total of 3 units). Series 44000 and 41000 TWCs may be sold as a universal or as a direct-fit system for the vehicles listed in Appendix D-193-54. These catalytic converters may also be installed on non-OBD II vehicles (1995 and older), with similar engine and exhaust configuration to those listed in Appendix D-193-54.

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 Section 27156 and Title 13, California Code of Regulations, Section 2222(h). The emissions performance of the catalytic converters (Series 44000 and 41000) was based on durability bench-aging by Delphi, a subsidiary of Umicore Automotive Catalysts, 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, emissions tests conducted at the Automotive Testing and Development Services, Inc. (ATDS), Ontario, California, with Series 44000 (2 units) installed as underbody catalytic converters on a 1999 3.0L Ford Taurus, test group XFMXV3.0VGC, certified to the Low Emission Vehicle (PC, LEV) emission standards showed that the vehicle met the applicable emission standards. OBD II compatibility tests performed on the same vehicle showed that Series 44000 TWCs do not affect the vehicle's ability to perform OBD II system monitoring. The following are the test results in grams per mile:

ATDS, Ontario, California				
1999 3.0L Ford Taurus, Series 44000 TWC				
	NMOG	CO	NOx	Remarks
100K Standard	0.090	4.2	0.3	
Test 1	0.087	1.1	0.1	Pass
Test 2	0.090	1.1	0.1	Pass

Furthermore, previous emissions tests and engineering evaluation showed that the addition of Series 41000 (rear converter, 1 unit) to vehicles equipped with multiple catalytic converters (3 units, with Series 44000 TWC as front converters (2 units )) would allow the vehicles to meet applicable emission standards for similar vehicle applications.


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-193-54 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 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 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 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 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 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 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.

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 8 day of January 2008.



Annette Hebert, Chief  
Mobile Source Operations Division

Appendix D-193-54

Car Sound Exhaust System, Inc. Series 44000/41000 for Limited Ford Passenger Cars

No.	Model Year	Make	Vehicle Model	Engine Size	Engine Family	Certification Level	Weight Class	Exhaust Type	Converter Type	Total Converters	Monitored	Universal Front	Universal Rear	Direct Fit Front/Rear					
1	1996		Taurus, Taurus Wagon, Sable, Sable Wagon. Engine code "S"	3.0	TFM3.0VJG1EK	T1	PC	D	TWC	2	2	44004	N/A	44023					
2			Taurus, Taurus Wagon, Sable, Sable Wagon		TFM3.0V8GKEK									44034					
3			Taurus	3.4	TFM3.4VJG1EK									44033/41032					
4	1997		Taurus, Taurus Wagon, Sable, Sable Wagon. Engine code "S"	3.0	VFM3.0VJG1EK	T1	PC	D	TWC	2	2	44004	N/A	44023					
5			Taurus, Taurus Wagon, Sable, Sable Wagon		VFM3.0V8G2EK									TLEV	44034				
6			Taurus, Taurus Wagon, Sable, Sable Wagon		VFM3.0V8G3EK									LEV	44033/41032				
7			Taurus, Sable	3.4	VFM3.4VJG1EK														
8	1998		Taurus, Taurus Wagon, Sable, Sable Wagon. Engine code "S"	3.0	WFMXV03.0PAA	T1	PC	D/Y	2TWC, TWC	3	2	44004	41005	44023					
9			Taurus	3.4	WFMXV03.4BAA									44033/41032					
10	1999		Sable Sedan, Sable Station Wagon, Taurus Sedan, Taurus Station Wagon Engine Code "S"	3.0	XFMXV03.0VBZ	T1	PC	D	TWC	2	2	44004	N/A	44023					
11			Sable Sedan, Sable Station Wagon, Taurus Sedan, Taurus Station Wagon		XFMXV03.0VGC									LEV	44034				
12			Taurus Sedan	3.4	XFMXV03.4VBC									TIER 1	44004	41005	44033/41032		
13	2000		Taurus	3.0	YFMXV03.0VFA	LEV	PC	D/Y	2TWC, TWC	3	2	44004	41005	TBD					
14			Lincoln Ls		YFMXV03.0VD2	TLEV									D	TWC	2	44004	N/A
15					YFMXV03.0VF2	LEV									D/Y	2TWC, TWC	3	44004	41005
16	Taurus, Taurus Wagon, Sable, Sable Wagon,	3.0	1FMXV03.0VF3	LEV															
17	2001		Lincoln Ls	3.0	1FMXV03.0VD2	TLEV	PC	D	TWC	2	2	44004	N/A	TBD					
18					1FMXV03.0VF2	LEV													