

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER D-193-39
Relating to Exemptions under Section 27156
of the Vehicle Code

Car Sound Exhaust System, Inc. (d.b.a. MagnaFlow)
"Series 41100 and 41400 OBD II Compliant Three-way Catalytic Converters"

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 22691 Arroyo Vista, Rancho Santa Margarita, California 92688, has applied to the Air Resources Board for exemption from the prohibitions in Vehicle Code Sections 27156 to market its new aftermarket Series 41100 and 41400 three-way catalytic converters (TWC) on selected 1994 through 2001 model year 4.6L Ford passenger cars equipped with on-board diagnostic II (OBD-II) systems and multiple (3, 4 or 6) catalytic converters as specified in Appendix D-193-39 and incorporated herein. The Series 41100 will be used as front catalytic converters (2 or 4 units) and Series 41400 as rear catalytic converters (1 unit or 2 units) for multiple catalytic converter applications. These catalytic converters may be sold as universal or direct-fit system for the vehicles listed in Appendix D-193-39. The Series 41100 and 41400 TWCs may also be installed on non-OBD II vehicles (1995 and older) similar in engine and exhaust configuration to those listed in Appendix D-193-39.

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 aftermarket catalytic converters was based on durability bench-aging by Delphi Energy & Engine Management System (Delphi) using the 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 and Development Services, Inc., Ontario, California, with Series 41100 (2 units front) and Series 41400 (2 units rear) TWCs installed on a 2001 4.6L Crown Victoria, test group YFMXV04.6VF5, certified to the passenger car, Low Emission Vehicle emission standards (PC, LEV), showed that the vehicle met the applicable emission standards. OBD II compatibility tests performed on the same vehicle showed that Series 41100 and 41400 TWC system does not affect the vehicle's ability to perform OBD II system monitoring. The following are the test results in grams per mile:

	<u>NMOG</u>	<u>CO</u>	<u>NOx</u>
PC 100K LEV standards	0.090	4.2	0.3
Series 41100 and 41400 Test 1	0.089	0.9	0.1
Series 41100 and 41400 Test 2	0.085	1.1	0.1
Average Tests 1 & 2	0.087	1.0	0.1

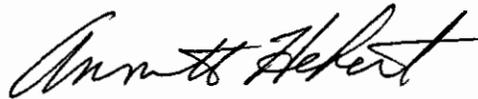
IT IS HEREBY RESOLVED that the above catalytic converter system is exempt from the prohibitions in Vehicle Code Section 27156 for installation on the approved vehicle applications specified in Appendix D-193-39 subject to the following conditions:

1. No changes are permitted to the catalytic converter system as described in the application for exemption. Any changes to the catalytic converter system 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 system 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 this product shall not be construed as an exemption to sell, offer for sale, or advertise any components of the catalytic converter system 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 system and is only a finding that the catalytic converter system is exempt from the prohibitions of Vehicle Code Section 27156.
4. Car Sound Exhaust System, Inc.'s installation instructions for the new catalytic converter system 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 system 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 system as a "high or easy flow" catalytic converter or use any phrase that could make it appear to perform better than an original equipment manufacturer (OEM) catalytic converter.

7. The new aftermarket catalytic converter substrates may not be sold or supplied to a third party by Car Sound Exhaust System, Inc., its associates, vendors, other businesses, and individuals associated with Car Sound Exhaust System, Inc., 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 the 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 24 day of August 2006.



Annette Hebert, Chief
Mobile Source Operations Division

Division Chief/M/SOD (AGL)

APPENDIX - D - 193 -39

Vehicle listing for Car Sound Series 41100/41400 converters for Ford 4.6L Passenger Cars

No.	YEAR	MAKE	MODEL	ENGINE	ENGINE FAMILY	CERT level	Weight Class	Exhaust	Conv type	Tot Conv	Monitored	Universal		Direct Fit
												Front	Rear	
1	1994	Ford	Thunderbird	4.6L	RFM4.6V8C1EK	Tier 1	PC	Y	2WUTWC, TWC	3	2	41175/41175	41405	48104
		Mercury	Cougar											
2	1995	Ford	Thunderbird	4.6L	SFM4.6V8C1EK	Tier 1	PC	Y	2WUTWC, TWC	4	4	TBD	TBD	48109
		Mercury	Cougar											
3	1995	Ford	Crown Victoria	4.6L	SFM4.6V8C1CK	Tier 1	PC	D	2WUTWC, 2TWC	4	4	TBD	TBD	48109
		Lincoln	Town Car											
4	1995	Mercury	Grand Marquis	4.6L	SFM4.6VJG1EK	Tier 1	PC	Y	2WUTWC, TWC	3	2	41174/41174	41405	TBD
		Lincoln	Continental											
5	1995	Ford	Thunderbird	4.6L	TFM4.6V8G1EK	Tier 1	PC	D	2WUTWC, TWC	3	2	41175/41175	41405	48104
		Mercury	Cougar											
6	1996	Ford	Mustang Cobra	4.6L	TFM4.6V8G1FK	Tier 1	PC	D	6TWC	6	6	41175/41405(2)		48106
		Ford	Mustang Coupe/Convertible											
7	1996	Ford	Mustang Coupe/Convertible	4.6L	TFM4.6VJGFEK	Tier 1	PC	Y	2WUTWC, TWC	3	2	41174/41174	41405	TBD
		Lincoln	Continental											
8	1996	Lincoln	Continental	4.6L	TFM4.6VJG1FL	Tier 1	PC	Y	2WUTWC, TWC	3	2	41174/41174	41405	TBD
		Lincoln	Continental											
9	1996	Ford	Crown Victoria	4.6L	TFM4.6VJGFEK	Tier 1	PC	D	2WUTWC, 2TWC	4	4	41175/41175	41405/41405	48108
		Lincoln	Town Car											
10	1997	Mercury	Grand Marquis	4.6L	TFM4.6V8C2EL	Tier 1	PC	D	2WUTWC, 2TWC	4	4	41175/41175	41405/41405	48108
		Lincoln	Town Car											
11	1997	Lincoln	Continental Mark III	4.6L	VFM4.6VJG1FL	Tier 1	PC	Y	2WUTWC, TWC	3	2	41174/41174	41405	TBD
		Lincoln	Continental Mark III											
12	1997	Ford	Mustang Coupe/Convertible	4.6L	VFM4.6V8G1FK	Tier 1	PC	D	6TWC	6	6	41175(4)/41405(2)		48105
		Ford	Mustang GT											
13	1997	Ford	Thunderbird	4.6L	VFM4.6VJGKEK	Tier 1	PC	Y	2WUTWC, TWC	3	2	41175/41175	41405	48104
		Mercury	Cougar											
14	1997	Ford	Crown Victoria	4.6L	VM4.6V8G1EK	Tier 1	PC	Y	2WUTWC, TWC	3	2	41175/41175	41405/41405	48108
		Lincoln	Town Car											
15	1997	Mercury	Grand Marquis	4.6L	VFM4.6V8C2EL	Tier 1	PC	D	2WUTWC, 2TWC	4	4	41175/41175	41405/41405	48108
		Mercury	Grand Marquis											

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No.	YEAR	MAKE	MODEL	ENGINE	ENGINE FAMILY	CERT level	Weight Class	Exhaust	Conv type	Tot Conv	Monitored	Universal		Direct Fit	
												Front	Rear		
16	1998	Ford	Mustang	4.6L	WFMXXV04.6DAA	Tier 1	D	2WUTWC, 2TWC	6TWC	6	6	41175(4)/41405(2)	41405/41405	48106	
17		Ford	Mustang GT		WFMXXV04.6DBA	TLEV								4	48105
18	1999	Ford	Crown Victoria	4.6L	WFMXXV04.6AAA	LEV	D	2WUTWC, 2TWC	4	4	2	41175/41175	41405/41405	48108	
19		Lincoln	Town Car		XFMXXV04.6VB4	Tier 1								4	48107
20		Mercury	Grand Marquis		XFMXXV04.6VDN	Tier 1								4	48110
21	1999	Ford	Mustang Cobra	4.6L	XFMXXV04.6VDP	TLEV	D	2WUTWC, 2TWC	3	3	2	41174	41405	48110	
22		Lincoln	Continental		XFMXXV04.6VDP	TLEV								2	48108
23	2000	Ford	Crown Victoria	4.6L	XFMXXV04.6VG5	LEV	D	2WUTWC, 2TWC	4	4	2	41175/41175	41405/41405	48107	
23		Lincoln	Town Car		YFMXXV04.6VB4	Tier 1								2	48107
23		Ford	Mustang Cobra		YFMXXV04.6VDN	Tier 1								2	48107
24	2000	Ford	Mustang GT	4.6L	YFMXXV04.6VDP	TLEV	D	2WUTWC, 2TWC	3	3	2	41174	41405	48110	
24		Lincoln	Continental		YFMXXV04.6VDP	TLEV								2	48108
25	2001	Ford	Crown Victoria	4.6L	YFMXXV04.6VFR	LEV	D	2WUTWC, 2TWC	4	4	2	41175/41175	41405/41405	48108	
26		Lincoln	Town Car		YFMXXV04.6VFR	LEV								2	48107
26		Mercury	Grand Marquis		YFMXXV04.6VFR	LEV								2	48107
27	2001	Ford	Mustang GT/Cobra 4V	4.6L	1FMXXV04.6VD4	TLEV	D	2WUTWC, 2TWC	3	3	2	41175/41175	41405/41405	48107	
27		Lincoln	Continental		1FMXXV04.6VBD	TLEV								2	48110
28	2001	Ford	Crown Victoria	4.6L	1FMXXV04.6VFS	LEV	D	2WUTWC, 2TWC	4	4	2	41175/41175	41405/41405	48111	
28		Lincoln	Town Car		1FMXXV04.6VFS	LEV								2	48111