

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

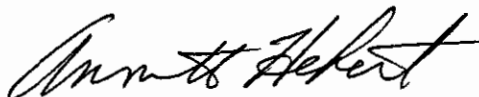
IT IS HEREBY RESOLVED that the above catalytic converter system is exempt from the prohibitions in Vehicle Code Section 27156 for installation on the approved vehicle applications specified in Appendix D-193-39 subject to the following conditions:

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

JUL 24 2006

Division Chief/MOSD (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 Front	Universal Rear	Direct Fit
1	1994	Ford	Thunderbird		RFM4.6V8C1EK			Y	2WUTWC, TWC	3	2	41175/41175	41405	48104
2		Ford	Thunderbird		SFM4.6V8C1EK									
3	1995	Ford	Crown Victoria		SFM4.6V8C1CK			D	2WUTWC, 2TWC	4	4	TBD	TBD	48109
4		Lincoln	Grand Marquis		SFM4.6VJG1EK			Y	2WUTWC, TWC	3	2	41174/41174	41405	TBD
5		Ford	Thunderbird		TFM4.6V8G1EK	Tier 1						41175/41175	41405	48104
6		Ford	Mustang Cobra		TFM4.6V8G1FK			D	6TWC	6	6	41175(4)/41405(2)		48106
7	1996	Ford	Mustang Coupe/Convertible		TFM4.6VJGFEK									48105
8		Lincoln	Continental		TFM4.6VJG1FL		PC	Y	2WUTWC, TWC	3	2	41174/41174	41405	TBD
9		Lincoln	Continental		TFM4.6VJGFEK									
10		Ford	Crown Victoria		TFM4.6V8C2EL	TLEV		D	2WUTWC, 2TWC	4	4	41175/41175	41405/41405	48108
11		Lincoln	Continental Mark III		VFM4.6VJG1FL			Y	2WUTWC, TWC	3	2	41174/41174	41405	TBD
12			Mustang Coupe/Convertible		VFM4.6V8G1FK			D	6TWC	6	6	41175(4)/41405(2)		48105
13	1997	Ford	Mustang GT		VFM4.6VJGKEK	Tier 1								48108
14		Mercury	Thunderbird		VM4.6V8G1EK			Y	2WUTWC, TWC	3	2		41405	48104
15		Ford	Crown Victoria		VFM4.6V8C2EL	TLEV		D	2WUTWC, 2TWC	4	4	41175/41175	41405/41405	48108

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

No.	YEAR	MAKE	MODEL	ENGINE	ENGINE FAMILY	CERT	Weight Class	Exhaust	Conv type	Tot Conv	Monitored	Universal	Universal	Direct Fit
						level						Front	Rear	
16	1998	Ford	Mustang	4.6L	WFMXV04.6DAA	Tier 1	D	2WUTWC, 2TWC	6TWC	6	6	41175(4)/41405(2)	41405/41405	48106
17		Ford	Mustang GT		WFMXV04.6DBA	TLEV								48105
18		Ford	Crown Victoria		WFMXV04.6AAA	LEV				2	2			48108
19		Lincoln	Town Car		XFMXV04.6VB4	Tier 1				4	4			48107
20		Ford	Mustang Cobra		XFMXV04.6VDN	TLEV								48110
21	1999	Ford	Mustang GT		XFMXV04.6VDP	TLEV	Y	2WUTWC, TWC		3	2	41174	41405	48110
22		Lincoln	Continental											
23		Ford	Crown Victoria		XFMXV04.6VB4	LEV	D	2WUTWC, 2TWC		4	2	41175/41175	41405/41405	48108
23		Lincoln	Town Car		YFMXV04.6VBN	Tier 1	D				2	41175/41175	41405/41405	48107
23		Ford	Mustang Cobra		YFMXV04.6VDP	TLEV	Y	2WUTWC, TWC		3	2	41174	41405	48110
24	2000	Lincoln	Continental			TLEV								
25		Ford	Crown Victoria		YFMXV04.6VFR	LEV	D	2WUTWC, 2TWC		4	2	41175/41175	41405/41405	48108
26		Lincoln	Town Car		1FMXV04.6VDB	TLEV	Y	2WUTWC, TWC		3	2	41175/41175	41405/41405	48107
26		Ford	Mustang GT/Cobra 4V		1FMXV04.6VDB	TLEV	Y	2WUTWC, TWC		3	2	41174	41405	48110
27		Lincoln	Continental											
28	2001	Ford	Crown Victoria		1FMXV04.6VFS	LEV	D	2WUTWC, 2TWC		4	2	41175/41175	41405/41405	48111
		Lincoln	Town Car											
		Mercury	Grand Marquis											