

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER D-193-45
Relating to Exemptions under Section 27156
of the Vehicle Code

Car Sound Exhaust System, Inc. (d.b.a. Magnaflow)
"Series 42000 OBD II Compliant Three-way Catalytic Converter"

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 42000 three-way catalytic converter (TWC) for installation on selected 1996 through 2003 model year Honda passenger cars and light-duty truck 1 (LDT1) equipped with on-board diagnostic II (OBD-II) systems as specified in Appendix D-193-45 and incorporated herein. The Series 42000 TWC will be used for single (one unit) or dual (two units) exhaust system applications for selected Honda passenger cars and LDT1, excluding vehicles equipped with warm catalytic converters.

The 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-193-45.

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 converter complies with the California Vehicle Code Section 27156 and Title 13, California Code of Regulations, Section 2222(h). The emissions performance of the aftermarket catalytic converter was based on durability bench-aging by Delphi Energy and Chassis Systems using 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. (ATDS), Ontario, California, using a 1998 2.3L Honda Accord equipped with a single (one unit) exhaust system, and certified to the Low Emission Vehicle (LEV, PC) emission standards showed that the vehicle met the applicable emission standards with Series 42000 TWC (one unit) installed.

OBD II compatibility tests performed on the same test vehicle showed that Series 42000 TWC did not affect the vehicle's ability to perform OBD II system monitoring. Emission test results in grams per mile are shown below.

ATDS, Ontario, California				
2.3L Honda Accord Test				
	NMOG	CO	NOx	Remarks
100K Standard	0.090	4.2	0.3	
Test 1	0.086	1.9	0.1	Pass
Test 2	0.090	1.4	0.1	Pass
Average of Tests1 & 2	0.088	1.6	0.1	Pass

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 D-193-45 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 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 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 Exhaust System, Inc., its associates, vendors, other businesses, and individuals may not sell or supply the substrates of the new aftermarket catalytic converter 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 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 ARB prior to shipment.
9. Car Sound must submit the required quality audit and production quantity reports for its aftermarket catalytic converter on a semi-annual basis, covering the periods January 1 through June 30, and July 1 through December 31.

Executive Order D-193-38 dated August 23, 2006, 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 3rd day of August 2007.



Annette Hebert, Chief
Mobile Source Operations Division

APPENDIX D-193-45

Car Sound Exhaust System, Inc. Series 42000 Honda Light Duty Vehicles

No	Model Year	Make	Vehicle Model	Engine Size	Engine Family	Certification Level	Weight Class	Exhaust Type	Total Converters	Converter type	Monitored Converters	Universal	Direct Fit
1	1996	ACURA	INTEGRA	1.8 L	THN1.8VJGFEK	T1	PC					42034	42629
2			3.0 CL	3.0 L	THN3.0VJGFEK								TBD
3			3.2 TL	3.2 L	THN3.2VJGFEK								42636
4			3.2 TL	3.2 L	THN3.2VJGFEK								42629
5	1997	HONDA	INTEGRA	2.2 L	THN2.2VJGFEK	TLEV	PC					42004	TBD
6			3.0 CL	3.0 L	THN3.0VJGFEK								42636
7			3.2 TL	3.2 L	THN3.2VJGFEK								42629
8			3.2 TL	3.2 L	THN3.2VJGFEK								TBD
9	1998	ACURA	INTEGRA	1.8 L	WHNXV01.8WA1	T1	PC					42004	42605
10			3.0 CL	3.0 L	WHNXV03.0ZL2								42602
11			3.2 TL	3.2 L	WHNXV03.2HA1								TBD
12			3.2 TL	3.2 L	WHNXV03.2HA1								42605
13	1999	HONDA	CR-V, EX, LX, 4WD	2.0 L	WHNXV02.0UL2	TLEV	PC	S	1	TWC	1	42004	42602
14			Accord DX Sedan	2.3 L	WHNXV02.3PL2								TBD
15			Accord LX, EX	2.3 L	WHNXV02.3PA3								42629
16			Accord EX, LX	3.0 L	WHNXV03.0FL2								TBD
17	2000	ACURA	INTEGRA	1.8 L	XHNXV01.8WA1	T1	PC					42034	42605
18			3.0 CL	3.0 L	XHNXV03.0ZL2								TBD
19			3.2 TL	3.2 L	XHNXV03.2GL2								42605
20			3.2 TL	3.2 L	XHNXV03.2GL2								42602
21	2001	Honda	CR-V, EX, LX, 4WD	2.0 L	XHNXV02.0UA2	LEV	PC					42004	TBD
22			Accord	2.3 L	XHNXV02.3PA3								42605
23			Accord DX Sedan	2.3 L	XHNXV02.3PL2								TBD
24			Accord EX, LX	3.0 L	XHNXV03.0FL2								42602

Additional Vehicles 1

25	1996	HONDA	ACCORD	2.2 L	THN2.2VJGFEK	T1	PC	S	1	TWC	1	42034	42636
26	1998		PRELUDE VTEC, VTEC-R	2.2 L	WHNXV02.2SA1								42604
27	1999		PRELUDE, PRELUDE TYPE-SH	2.2 L	XHNXV02.2SA1								42602
28	2000		ACCORD	2.3 L	YHNXV02.3PA3								42603
29	2001	HONDA	ACCORD	3.0 L	YHNXV03.0FA3	LEV	PC					42004	42604
30			PRELUDE, SE, TYPE-SH	2.2 L	1HNXV02.2E14								42603
31			ACCORD LX, LX-SE, EX	3.0 L	1HNXV03.0M5U								TBD
32			3.2 CL	3.2 L	1HNXV03.2K5U								TBD

Additional Vehicles 2

33	2002	HONDA	ACURA 3.2TL, 3.2 CL	3.2	2HNXV03.2X21	PC	LEV	S	1	TWC	1	42054	TBD
34			ACCORD LX/EX SEDAN, ACCORD LX/EX COUPE	2.0	2HNXV02.0DYC								42055
35			ACCORD LX/EX SEDAN, ACCORD LX/EX COUPE	3.0	2HNXV03.0WYC								42603
36			ACURA NSX TARGA	3.0/3.2	2HNXV03.2AYC								TBD
37	2003	HONDA	ACURA 3.2TL, 3.2CL	3.2	2HNXV03.2JYC	PC	LEV	D	2	2TWC	2	42035	TBD
38			ACURA 3.5RL	3.5	2HNXV03.5BYC								42054
39			ACCORD DX, DX-VP SEDAN	2.3	2HNXV02.3PNP								42055
40			ACCORD	2.7 L	SHN2.7VJGFEK								42602

Additional Vehicles 3

41	1995	Honda	Accord	2.7 L	SHN2.7VJGFEK	T1	PC	S	1	TWC	1	42034	42641
----	------	-------	--------	-------	--------------	----	----	---	---	-----	---	-------	-------

APPENDIX D-193-45

Car Sound Exhaust System, Inc. Series 42000 Honda Light Duty Vehicles

No	Model Year	Make	Vehicle Model	Engine Size	Engine Family	Certification Level	Weight Class	Exhaust Type	Total Converters	Converter type	Monitored Converters	Universal	Direct Fit		
41	1996		Integra	1.8 L	THN1.8VJGFFK	T1	PC		1	TWC	1	42034	42629		
42			Prelude S	2.2 L	THN2.2VJGFEK								42644		
43			Prelude VTEC	2.2 L	THN2.2VJGFFK								TBD		
44			Odyssey, Oasis S/LS	2.2 L	THN2.2VJGK GK								42644		
45			Prelude Si	2.3 L	THN2.3VJGFEK								42641		
46	1997		Accord	2.7 L	THN2.7VJG1EK	T1	PC		1	TWC	1	42005	TBD		
47			3.5 RL	3.5 L	THN3.5VJGKEK								TBD		
48			Integra	1.8 L	VHN1.8VJGKFK								42629		
49			Cr-V	2.0 L	VHN2.01J62EK								TLEV	42605	
50			Prelude	2.2 L	VHN2.2VJG1EK								42644		
51	1998		Accord Ex, 2.2 CL	2.2 L	VHN2.2VJGKEK	T1	PC		1	TWC	1	42034	42636		
52			Accord Dx, Lx, Se	2.2 L	VHN2.2VJGKFK								42636		
53			Odyssey, Oasis	2.2 L	VHN2.2VJGK GK								42636		
54			Accord	2.7 L	VHN2.7VJG1EK								TBD		
55			3.0 CL	3.0 L	VHN3.0VJG2EK								TLEV	42641	
56	1999		3.2 TL	3.2 L	VHN3.2VJGKEK	T1	PC		1	TWC	1	42005	TBD		
57			3.5 RL	3.5 L	VHN3.5VJGKEK								42639		
58			Integra Gs-R, Integra Type-R,	1.8 L	WHNXV01.8XA1								TBD		
59			Odyssey, Oasis	2.3 L	WHNXV02.3BA1								42639		
60			2.3CL	2.3 L	WHNXV02.3RA1								TBD		
61	2000		3.5RL	3.5 L	WHNXV03.5YA1	T1	PC		1	TWC	1	42005	42639		
62			Integra Gs-R, Integra Type-R	1.8 L	XHNXV01.8XA1								42639		
63			Prelude, Prelude Type-Sh	2.2 L	XHNXV02.2SA1								42604		
64			Oasis	2.3 L	XHNXV02.3BA1								TBD		
65			2.3CL	2.3 L	XHNXV02.3RA1										
66	2001		3.5RL	3.5 L	XHNXV03.5YA1	T1	PC		1	TWC	1	42034	TBD		
67			Integra	1.8 L	YHNXV01.8WA2									TLEV	42604
68			Integra Type-R	1.8 L	YHNXV01.8XA1									T1	42602
69			Integra Gs-R	1.8 L	YHNXV01.8XA2									TLEV	TBD
70			S2000	2.0 L	YHNXV02.0MA3									LEV	42605
71	2002		Prelude	2.2 L	YHNXV02.2SA1	T1	PC		1	TWC	1	42034	TBD		
72			Accord Lx/Ex	2.3 L	YHNXV02.3PF3									LEV	42602
73			3.5RL	3.5 L	YHNXV03.5YA3									LEV	TBD
74			Cr-V 2WD/4WD	2.0 L	1HNXT02.0P3E									TLEV	42605
75			Integra LS/GS	1.8 L	1HNXV01.833E									TLEV	PC
76	Integra Gs-R	1.8 L	1HNXV01.843E												
77	2003		Integra Type-R, Gs-R	1.8 L	1HNXV01.8512	T1	PC		1	TWC	1	42034	TBD		
78			S2000	2.0 L	1HNXV02.0C5U									LEV	42602
79			Accord	2.3 L	1HNXV02.3VH2									LEV	TBD
80			3.5RL	3.5 L	1HNXV03.5A5U									LEV	42602
81			2002		Accord Ex, Lx, Se									2.3 L	2HNXV02.3RDA
82	2003		S2000	2.0 L	3HNXV02.0RJC										
83			3.2 CL, 3.2TL	3.2 L	3HNXV03.2AYC										
84			3.2 CL Type S, 3.2TL Type S	3.2 L	3HNXV03.2CYC										
85			3.5 RL	3.5 L	3HNXV03.5NYC										