

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 Tests 1 & 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	THN3.0VJGKEK								TBD						
3			3.2TL	3.2 L	THN3.2VJGKEK														
4	HONDA	ACCORD	2.2 L	THN2.2VJGKEK		42636													
5		INTEGRA	1.8 L	VHN1.8VJGKEK		42629													
6	1997	ACURA	3.0 CL	3.0 L	THN3.0VJG2EK	TLEV													TBD
7			3.2TL	3.2 L	VHN3.2VJGKEK														
8	HONDA	ACCORD	2.2L	VHN2.2VJGKEK	T1													42004	42636
9	1998	ACURA	INTEGRA	1.8 L	WHNXV01.8WA1	T1	LDT 1	S	1	TWC	1	42034	42629						
10			3.0 CL	3.0 L	WHNXV03.0ZL2								TLEV	TBD					
11			3.2TL	3.2 L	WHNXV03.2HA1								T1						
12		HONDA	CR-V. EX, EX, LX 4WD	2.0 L	WHNXT02.0UL2	TLEV								42605					
13			Accord DX Sedan	2.3 L	WHNXV02.3PL2								42602						
14			Accord LX, EX	2.3 L	WHNXV02.3PA3	LEV								TBD					
15	Accord EX, LX	3.0 L	WHNXV03.0FL2	TLEV															
16	ACURA	INTEGRA	1.8 L	XHNXV01.8WA1	T1	PC	LDT 1					42004	42629						
17		3.0 CL	3.0 L	XHNXV03.0ZL2	TLEV								TBD						
18		3.2TL	3.2 L	XHNXV03.2GL2															
19	1999	Honda	CR-V. EX, EX, LX 4WD	2.0 L	XHNXT02.0UA2	LEV								42605					
20			Accord	2.3 L	XHNXV02.3PA3								42602						
21		Accord DX Sedan	2.3 L	XHNXV02.3PL2	TLEV								TBD						
22		Accord EX, LX	3.0 L	XHNXV03.0FL2															
23	2000	Honda	CR-V. EX, EX, LX 4WD	2.0 L	YHNX02.0UA2	LEV	LDT 1		42605										
24			Accord	2.3 L	YHNXV2.3PA3		PC		42602										

Additional Vehicles 1

25	1996	HONDA	ACCORD	2.2L	THN2.2VJG1EK	T1	PC	S	1	TWC	1	42034	42636	
26	1998		PRELUDE VTEC, VTEC-R	2.2L	WHNXV02.2SA1									
27	1999		PRELUDE, PRELUDE TYPE-SH	2.2L	XHNXV02.2SA1	TIER 1								42604
28	2000		ACCORD	2.3L	YHNXV02.3PA3	LEV								42602
29			ACCORD	3.0L	YHNXV03.0FA3								42603	
30	2001		PRELUDE, SE, TYPE-SH	2.2L	1HNXV02.2E14	T1								42604
31			ACCORD LX, LX-SE, EX	3.0L	1HNXV03.0M5U	LEV								42603
32			3.2 CL	3.2L	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			S2000	2.0	2HNXV02.0DYC								42055				
35			ACCORD LX/EX SEDAN, ACCORD LX/EX COUPE	3.0	2HNXV03.0WYC								42054	42603			
36			ACURA NSX TARGA	3.0/3.2	2HNXV03.2AYC								D	2	2TWC	2	42035
37			ACURA 3.2TL, 3.2CL	3.2	2HNXV03.2JYC								S	1	TWC	1	42054
38			ACURA 3.5RL	3.5	2HNXV03.5BYC												42055
39			ACCORD DX, DX-VP SEDAN	2.3	2HNXV02.3PNP												42054

Additional Vehicles 3

40	1995	Honda	Accord	2.7 L	SHN2.7VJG1EK	T1	PC	S	1	TWC	1	42034	42641
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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	Honda	Integra	1.8 L	THN1.8VJGFFK	T1	PC	S	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			Accord	2.7 L	THN2.7VJG1EK								42005	TBD
47			3.5 RL	3.5 L	THN3.5VJGKEK									
48	1997	Honda	Integra	1.8 L	VHN1.8VJGKFK	TLEV	PC	S	1	TWC	1	42034	42629	
49			Cr-V	2.0 L	VHN2.01J62EK								42605	
50			Prelude	2.2 L	VHN2.2VJG1EK	42644								
51			Accord Ex, 2.2 CL	2.2 L	VHN2.2VJGKEK	42636								
52			Accord Dx, Lx, Se	2.2 L	VHN2.2VJGKFK	42636								
53			Odyssey, Oasis	2.2 L	VHN2.2VJGK GK	TBD								
54			Accord	2.7 L	VHN2.7VJG1EK	42641								
55			3.0 CL	3.0 L	VHN3.0VJG2EK	TLEV							42005	TBD
56			3.2 TL	3.2 L	VHN3.2VJGKEK									
57			3.5 RL	3.5 L	VHN3.5VJGKEK	T1							42034	42639
58	Integra Gs-R, Integra Type-R.	1.8 L	WHNXV01.8XA1	42005	TBD									
59	Odyssey, Oasis	2.3 L	WHNXV02.3BA1		42034		42604							
60	2.3CL	2.3 L	WHNXV02.3RA1	42034			42604							
61	3.5RL	3.5 L	WHNXV03.5YA1		42005	TBD								
62	Integra Gs-R, Integra Type-R	1.8 L	XHNXV01.8XA1	42034		42602								
63	Prelude, Prelude Type-Sh	2.2 L	XHNXV02.2SA1		42005	TBD								
64	Oasis	2.3 L	XHNXV02.3BA1	42034		42602								
65	2.3CL	2.3 L	XHNXV02.3RA1		42005	TBD								
66	3.5RL	3.5 L	XHNXV03.5YA1	TLEV		42034	42605							
67	Integra	1.8 L	YHNXV01.8WA2		T1		42034	TBD						
68	Integra Type-R	1.8 L	YHNXV01.8XA1	TLEV		42034		42604						
69	Integra Gs-R	1.8 L	YHNXV01.8XA2		LEV		42034	42602						
70	S2000	2.0 L	YHNXV02.0MA3	T1		42005		TBD						
71	Prelude	2.2 L	YHNXV02.2SA1		LEV		42034	42602						
72	Accord Lx/Ex	2.3 L	YHNXV02.3PF3	T1		42034		42602						
73	3.5RL	3.5 L	YHNXV03.5YA3		T1		42034	TBD						
74	Cr-V 2WD/4WD	2.0 L	1HNXT02.0P3E	TLEV		42034		TBD						
75	Integra LS/GS	1.8 L	1HNXV01.833E		T1		42034	TBD						
76	Integra Gs-R	1.8 L	1HNXV01.843E	LEV		42034		42602						
77	Integra Type-R, Gs-R	1.8 L	1HNXV01.8512		LEV		42034	42602						
78	S2000	2.0 L	1HNXV02.0C5U	LEV		42034		TBD						
79	Accord	2.3 L	1HNXV02.3VH2		LEV		42034	42602						
80	3.5RL	3.5 L	1HNXV03.5A5U	LEV		42034		TBD						
81	2002	Accord Ex, Lx, Se	2.3 L		2HNXV02.3RDA		LEV	42034	TBD					
82	S2000	2.0 L	3HNXV02.0RJC	LEV	42034	TBD								
83	2003	3.2 CL, 3.2TL	3.2 L			3HNXV03.2AYC	LEV	42034	TBD					
84		3.2 CL Type S, 3.2TL Type S	3.2 L	3HNXV03.2CYC	LEV	42034			TBD					
85		3.5 RL	3.5 L	3HNXV03.5NYC			42005							