

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER D-193-28  
Relating to Exemptions under Section 27156  
of the Vehicle Code

Car Sound Exhaust System, Inc.  
"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 2000 model year Honda passenger cars and light-duty trucks equipped with On-Board Diagnostic II (OBD-II) systems as specified in Appendix D-193-28 and incorporated herein. Series 42000 TWC will be used for single (1 unit) exhaust system applications for selected Honda passenger cars and light-duty trucks.

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-193-28.

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 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 Development Services, Inc. (ATDS), Ontario, California, using a 1998 2.3L Honda Accord equipped with a single (1 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 (1 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-193-28 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.

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 13<sup>TH</sup> day of September 2005.



Allen Lyons, Chief  
Mobile Source Operations Division

## Car Sound Series 42000 for Honda passenger Cars

Model Year	Make	Vehicle Model	Engine	No of cylinders	Engine Family	Certification	Total	Monitored	Universal	Direct Fit
1996	ACURA	INTEGRA	1.8 L	4	THN1.8VJGFEK	Tier1	1	1	42034	42629
		3.0 CL	3.0 L	6	THN3.0VJGKEK					TBD
		3.2TL	3.2 L	6	THN3.2VJGKEK					TBD
	HONDA	ACCORD	2.2 L	4	THN2.2VJGKEK					42636
1997	ACURA	INTEGRA	1.8 L	4	VHN1.8VJGKEK	Tier 1	1	1	42034	42629
		3.0 CL	3.0 L	6	THN3.0VJG2EK	TLEV				TBD
		3.2TL	3.2 L	6	VHN3.2VJGKEK	Tier 1				TBD
	HONDA	ACCORD	2.2L	4	VHN2.2VJGKEK	Tier 1			42004	TBD
1998	ACURA	INTEGRA	1.8 L	4	WHNXV01.8WA1	Tier 1	1	1	42034	42629
		3.0 CL	3.0 L	6	WHNXV03.0ZL2	TLEV				TBD
		3.2TL	3.2 L	6	WHNXV03.2HA1	Tier1				TBD
	HONDA	CR-V. EX, EX, LX 4WD	2.0 L	4	WHNXT02.0UL2	TLEV			42004	TBD
		Accord DX Sedan	2.3 L	4	WHNXV02.3PL2	TLEV				TBD
		Accord LX, EX	2.3 L	4	WHNXV02.3PA3	LEV				TBD
Accord EX, LX	3.0 L	6	WHNXV03.0FL2	TLEV	TBD					
1999	ACURA	INTEGRA	1.8 L	4	XHNXV01.8WA1	Tier 1	1	1	42034	42629
		3.0 CL	3.0 L	6	XHNXV03.0ZL2	TLEV				TBD
		3.2TL	3.2 L	6	XHNXV03.2GL2					TBD
	Honda	CR-V. EX, EX, LX 4WD	2.0 L	4	XHNXT02.0UA2	LEV			42004	TBD
		Accord	2.3 L	4	XHNXV02.3PA3					TBD
		Accord DX Sedan	2.3 L	4	XHNXV02.3PL2					TLEV
Accord EX, LX	3.0 L	6	XHNXV03.0FL2	TLEV	TBD					
2000	Honda	CR-V. EX, EX, LX 4WD	2.0 L	4	YHNX02.0UA2	LEV	1	1	42004	TBD
		Accord	2.3 L	4	YHNXV2.3PA3					TBD