State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER D-193-53
Relating to Exemptions under Section 27156
of the Vehicle Code

Car Sound Exhaust System, Inc. (d.b.a. Magnaflow)
"Series 46000 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 46000 three-way catalytic converter (TWC) for installation on selected 1996 through 2003 model year BMW passenger cars equipped with on-board diagnostic II (OBD-II) systems as specified in Appendix D-193-53 and incorporated herein. The Series 46000 TWC will be used for single (one unit) or dual (two units) exhaust system applications for selected BMW passenger cars.

Series 46000 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-193-53.

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 and Development Services, Inc. (ATDS), Ontario, California, with Series 46000 TWC installed on a 1998 2.8L BMW Z3, test group WBMXV02.8Z35, certified to the passenger car, Transitional Low Emission Vehicle emission standards (PC, TLEV), showed that the catalytic converter met the applicable emission standards.

OBD II compatibility tests performed on the same test vehicle showed that Series 46000 TWC did not affect the vehicle's ability to perform OBD II system monitoring. Emission test results in grams per mile are shown below.

	NMOG	CO	NOx
PC 100K TLEV standards	0.156	4.2	0.6
Series 46000 TWC Test 1	0.144	1.6	0.4
Series 46000 TWC Test 2	0.137	1.4	0.4

IT IS HEREBY RESOLVED that the above catalytic converter is exempt from the prohibitions in Vehicle Code Section 27156 for installation on the vehicles listed in Appendix D-193-53 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 them appear to perform better than an OEM catalytic converter.

7. The new aftermarket catalytic converter substrate may not be sold or supplied to a third party by Car Sound, its associates, vendors, other businesses, and

individuals associated with Car Sound, 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 Air Resources Board prior to shipment.

9. Car Sound must submit the required quality audit and production quantity reports for its aftermarket catalytic converter semi-annually, covering the periods January 1 through June 30, and July 1 through December 31.

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 18 day of September 2007.

Annette Hebert

Annette Hebert, Chief
Mobile Source Operations Division

Appendix D-193-53

Car Sound Exhaust System, Inc. Series 46000 BMW Light Duty Vehicles

No.	Model Year	Make	Vehicle Model	Engine Size	Engine Family	Certification Level	Weight Class	Exhaust Type	Converter Type	Total Converter	Monitored Converters	Universal	Direct Fit
1	1996	BMW	318i, 318ti, 318is, & Z3	1.9L	TBM1.9VJGKEK	TIER1	PC	S	TWC	1	1	46005	TBD
2			328i, 328is, 328ic	2.8L	TBM2.8VJGKEK	TLEV		D		2	2	46004	
3			740il, 840ci	4.4L	TBM4.4VJGFEK	TIER1						46005	
4			750il, 850ci	5.4L	TBM5.4V8GFEK								
5	1997		318i, 318ti, 318is,	1.9L	VBM1.9VJGKFK	TLEV		S		1	1		
6			Z3,318iC		VBM1.9VJGFEK	TIER1							
7			Z3, Z3A	2.8L	VBM2.8VJGKFK	TLEV							
8			528i,525iA		VBM2.8VJGKEK			D		2	2		
9			540iA 740i, 740il 840ci	4.4L	VBM4.4VJGKEK	TIER1							
10			750il, 850ci	5.4L	VBM5.4V8GFEK								
11	1998		318i, 318ti, 318is Z3	1.9L	WBMXV01.9M44	TLEV		S		1	1		
12			328i, 328is, 328ic	2.8L	WBMXV02.8M52			D		2	2	46004	
13			Z3, 323is, 323ic		WBMXV02.8Z35			S		1	1	46005	
14			528iA, 528i		WBMXV02.8M52			D		2	2		
15			540i,540iA 740i, 740il	4.4L	WBMXV04.4M62	TIER1							
16			750il	5.4L	WBMXV05.4M73								
17	1999		318ic,318is,318ti, 318iAC,318isA,318tiA	1.9L	XBMXV01.9M44	TLEV		S		1	1		

Additional Vehicles 1

18	1995	BMW	750iL, 850Ci, 850CSi	5.4 L	SBM5.4V8GAEK	T1	PC	D	TWC	2	2	46005	TBD
19	1999		323is, 323i CONV	2.5 L	XBMXV02.5M52	TLEV		S		1	1		
20			328is; 328i Conv, M3, M3 Conv	2.8 L	XBMXV02.8M52			D		2	2	46004	
21	2000		M Coupe, M Roadster	3.2 L	YBMXV03.2S52								
22			M5, Z8	4.9 L	YBMXV04.9S62							46005	
23	2001				1BMXV04.9S62								
24	2002				2BMXV04.9S62								
25	2003				3BMXV04.9S62								