

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER D-193-46  
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 VW and Audi passenger cars equipped with on-board diagnostic II (OBD-II) systems as specified in Appendix D-193-46 and incorporated herein. The Series 46000 TWC will be used for single (one unit) exhaust system applications for selected VW and Audi 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-193-46.

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, previous emissions and OBD II compatibility tests conducted by Car Sound Exhaust System, Inc. using a vehicle of a weight classification and exhaust configuration similar to those listed in Appendix D-193-46 and certified to Low Emission Vehicle (LEV) standards resulted in the issuance of Executive Order D-193-41, it was determined that the installation of Series 46000 TWC on the vehicles listed in Appendix D-193-46 meets the requirements of California regulations for aftermarket catalytic converters.

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-193-46 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.

Executive Order D-193-43 dated January 18, 2007, is hereby superseded and of no further force and effect.

Executed at El Monte, California, this 13 day of June 2007.



Annette Hebert, Chief  
Mobile Source Operations Division

APPENDIX D-193-46

Car Sound Exhaust System, Inc.-Series 46000 OBDII VW Passenger Cars

No.	Model Year	Make	Vehicle Model	Engine Size	Engine Family	Certification Level	Weight Class	Exhaust Type	Converter Type	Total Converters	Monitored	Universal	Direct Fit
1	1996	VW	Golf Cabriolet	2.0L	TVW2.0V8GFEM	LEV	PC	S	TWC	1	1	46034	TBD
			Passat GL										46931
2	1996		Golf GTI VR6, Golf	2.8L	TVW2.8V8FGM	LEV						46035	46957
			Jetta GLX VR6										46931
3	1997		Golf Cabriolet	2.0L	VWV2.0V8GKEM	T1						46034	46931
			Golf GL										
			Golf GTI										
			Jetta GL										
			Jetta GSL										TBD
4	1997		Passat GL Cabrio	1.8L	WAD XV01.8322	TLEV						46005	46605
			Audi A4 - 20V Turbo										
5	1998		Audi A4 QUATTRO - 20V Turbo, Passat	2.0L	WVWXV02.0223	TLEV						46034	46931
			Golf Cabriolet										
		Golf GL											
		Golf GTI											
		Jetta GL											
6	1998	Jetta GSL	2.0L	WVWXV02.0226	Tier 1	46035	46612						
		New Beetle					46957						
8	1999	Golf GTI VR6, Golf	2.8L	WVWXV02.8224	TLEV	46035	TBD						
		Beetle Turbo	1.8L	XVWXV01.8228									
		Cabrio	2.0L	XVWXV02.0223			46931						
		Golf III Cabriolet											
		Golf III GL											
		Golf III GTI											
Jetta III GL													
Jetta III GLS	46613												
9	1999	Beetle	2.0L	XVWXV02.0227	LEV	46035	46613						
		Golf IV											
		Golf IV GL											
		Golf IV GLS											
		Jetta IV GL											
10	1999	Jetta IV GLS	2.8L	XVWXV02.8221	Tier 1	46055	46614						
		Golf III GTI VR6											
11	1999	Jetta III GLX VR6	2.8L	XVWXV02.8224	TLEV	46055	46614						
		Golf IV VR6											
		Golf IV GTI VR6											
		Jetta IV GLS VR6											
12	2000	Jetta IV GLX VR6	1.8L	YADXV01.8336	TLEV	46005	46606						
		Audi TT Coupe- 20v Turbo					46607						
13	2000	Audi TT Roadster - 20v Turbo	1.8L	YVWXV01.8228	LEV	46035	TBD						
		Beetle Turbo	2.0L	YVWXV02.0227			46055						

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13	2000	VW	Golf IV GL	2.0L	YVWXV02.0227	LEV	PC	S	TWC	1	1	46055	46614					
			Golf IV GLS															
			Jetta IV GL															
Jetta IV GLS																		
Golf IV VR6			2.8L	YVWXV02.8224														
Golf IV GTI VR6																		
Jetta IV GLS VR6																		
Jetta IV GLX VR6																		
15	2001		New Beetle (Turbo)	1.8L	1VWXV01.8229	TLEV						PC	S	TWC	1	1	46035	TBD
16			Beetle	2.0L	1VWXV02.0227	LEV												
Golf IV																		
Golf III Cabriolet																		
Golf IV GL																		
Golf IV GLS																		
Jetta IV GL																		
Jetta IV GLS																		
17		Golf IV VR6	2.8L	1VWXV02.8224	LEV													
Golf IV GTI VR6																		
Jetta IV GLS VR6																		
Jetta IV GLX VR6																		
Jetta Wagon VR6																		

**Additional Vehicles 1**

18	1996	VW	Golf, Jetta	2.0 L	TVW2.0V8G2EL	TLEV	PC	S	TWC	1	1	46035	46931										
19			Golf, Jetta		TVW2.0V8GKEM	T1							46931										
20	1997	Audi	A4, A4 Quattro	1.8 L	VAD1.8VJGKEM	TLEV						PC	S	TWC	1	1	46005	46605					
21		VW	Golf, Jetta	2.0 L	VVW2.0V8G2EL	TLEV												46931					
22	Golf VR6, Jetta GLX, Passat		2.8 L	VVW2.8V8GFGM	T1	46957																	
23	1999	Audi	A4, A4 Quattro, Passat	1.8 L	XADXV01.8322	TLEV											PC	S	TWC	1	1	46005	46605
24	2000		A4, A4 Quattro		YADXV01.8332	LEV																	
			Passat																				
			A4 Wagon Quattro																				
25	2000		TT Coupe- 20v Turbo		YADXV01.8336	TLEV																	
			TT Roadster - 20v Turbo																				
26	2001		TT Coupe		1ADXV01.8336	LEV																	
			Tt Roadster																				
27	2001		Golf, Jetta, GTI		1ADXV01.8346	LEV																	
			Golf, Jetta																				
			New Beetle																				
			Tt Coupe																				
28	2001	Tt Roadster	1ADXV01.8347	LEV																			
		Tt Coupe Quattro																					
29	2002	Roadster Quattro	2ADXV01.8336	TLEV																			
		Tt Coupe, Tt Roadster (Inc. Quattro)																					

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29	2002	Audi	Tt Coupe, Tt Roadster (inc. Quattro)	1.8 L	2ADXV01.8336	TLEV	PC	S	TWC	1	1	46035	TBD	
30			Golf, GTI, Jetta Beetle		2ADXV01.8346	LEV							46773	
31			Tt Coupe, Tt Roadster (inc. Quattro)		2ADXV01.8347								TBD	
32		VW	Cabrio	2.0 L	2VWXV02.0227	LEV							46931	
33			Golf Vr6, Jetta Wagon	2.8 L	2VWXV02.8224									
34			Golf VR6, Jetta VR6	2.8 L	2VWXV02.8228									46774
35			Golf VR6, Jetta VR6		3VWXV02.8228									
36	2003	Audi	Tt Coupe, Tt Roadster (inc. Quattro)	1.8 L	3ADXV01.8346	LEV	PC	S	TWC	1	1	46035	TBD	
			Golf, GTI, Jetta										46773	
			Beetle										TBD	