

**State of California
AIR RESOURCES BOARD**

EXECUTIVE ORDER D-193-69

Relating to Exemptions under Section 27156 and 38391
of the Vehicle Code

Car Sound Exhaust System, Inc. (d.b.a. Magnaflow)
"Series 46000 Three-way Catalytic Converter"

WHEREAS, Vehicle Code Sections 27156 and 38395, and Title 13, California Code of Regulations (hereafter "CCR") Section 2222(h), authorize the California Air Resources Board and its Executive Officer to exempt new aftermarket catalytic converters from the prohibitions of Vehicle Code Section 27156 and 38391.

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 Sections 27156 and 38391 to market its new aftermarket Series 46000 three-way catalytic converter (TWC) for installation on selected 1996 through 2003 BMW passenger cars (PC) equipped with on-board diagnostic II (OBD-II) systems and certified to Transitional Low Emission Vehicle (TLEV) or less stringent standards, as specified in Appendix D-193-69 and incorporated herein. Series 46000 TWC will be used for single or dual catalytic converter system applications. The catalytic converter may be sold as a universal or direct fit system.

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, the Air Resources Board finds that the above aftermarket catalytic converter complies with the California Vehicle Code Sections 27156 and 38395 and Title 13, California Code of Regulations, Section 2222(h). Emission performance of the catalytic converter was based on durability bench-aging by Umicore Automotive Catalysts USA, using the Air Resources Board-modified RAT-A bench-aging cycle for 75 hours, as specified in Appendix A to the "California Evaluation Procedures for New Aftermarket Catalytic Converters" as adopted on October 25, 2007.

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-193-69 and certified to the TLEV standards resulted in the issuance of Executive Order D-193-53, it was determined that the installation of Series 46000 TWC on the vehicles listed in Appendix D-193-69 meets the requirements of California regulations for aftermarket catalytic converters.

THEREFORE, IT IS HEREBY RESOLVED that Car Sound Exhaust System, Inc.'s 46000 TWC is exempted from the prohibitions in Vehicle Code Sections 27156 and 38391 for installation on the approved vehicle applications specified in Appendix D-193-69 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 their 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 this product 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 Sections 27156 and 38391.
4. Car Sound Exhaust System, Inc.'s installation instructions for the new catalytic converter must conform to requirements in Section (h) of the "California Evaluation Procedures for New Aftermarket Catalytic Converters," as adopted October 25, 2007.
5. Installation of the catalytic converter shall not cause the relocation of an oxygen sensor. Oxygen sensors must be installed in the same location, position and orientation as prescribed in the original equipment manufacturer's configurations.
6. Upon installation, the catalytic converter must carry a manufacturer's warranty for five (5) years or 50,000 miles as prescribed in Section (f)(2) of the "California Evaluation Procedures for New Aftermarket Catalytic Converters," as adopted October 25, 2007.
7. Car Sound Exhaust System, Inc. and its vendors may not advertise the new aftermarket catalytic converter as "high flow or easy flow" catalytic converter or use any phrase that could make them appear to perform better than the original equipment manufacturer (OEM) catalytic converters.
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 the Air Resources Board prior to shipment.
9. Car Sound, its associates, vendors, other businesses, and individuals associated with Car Sound, may not sell or supply new aftermarket catalytic converter

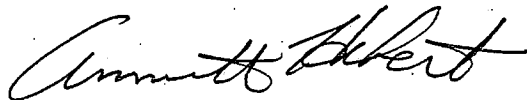
substrates to a third party to be assembled in a different facility and marketed under this Executive Order without approval from the Air Resources Board.

10. Car Sound Exhaust System, Inc. shall comply with the quality control procedures and reporting requirements in Section (f)(5) of the "California Evaluation Procedures for New Aftermarket Catalytic Converters," as adopted October 25, 2007.
11. Quality control reports must be submitted on a quarterly basis and warranty information reports on a semi-annual basis, starting with periods covering January 1 through March 31, 2009 and January 1 through June 30, 2009, respectively.
12. Car Sound Exhaust System, Inc. must provide a permanent label or stamp as specified under Section (f)(1) of the "California Evaluation Procedures for New Aftermarket Catalytic Converters," as adopted on October 25, 2007.
13. Car Sound Exhaust System, Inc.'s vehicle application catalog must conform with the requirements as specified under Section (f)(4) of the "California Evaluation Procedures for New Aftermarket Catalytic Converters," as adopted on October 25, 2007.

Executive Orders D-193-50 dated July 19, 2007, and D-193-53 dated September 18, 2007, are 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 30-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 30 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 21 day of January 2009.



Annette Hebert, Chief
Mobile Source Operations Division

Appendix D-193-69
Car Sound Exhaust Systems, Inc. 46000

No.	Model Year	Make	Model	Engine Size (liters)	Test Group Name	Certification Level	Weight Class	Exhaust Type	Converter Type	Total Converter	Monitored Converter	Conv. Location	Converter Part Type	MFR Part Number	Application Type
1	1995	BMW	750IL	5.4	SBM5.4V8GAEK	TIER1	PC	D	2TWC	2	2	UL	UNIVERSAL	46105	ALL
2	1995	BMW	750IL	5.4	SBM5.4V8GAEK	TIER1	PC	D	2TWC	2	2	UR	UNIVERSAL	46105	ALL
3	1995	BMW	850CI	5.4	SBM5.4V8GAEK	TIER1	PC	D	2TWC	2	2	UL	UNIVERSAL	46105	ALL
4	1995	BMW	850CI	5.4	SBM5.4V8GAEK	TIER1	PC	D	2TWC	2	2	UR	UNIVERSAL	46105	ALL
5	1995	BMW	850CSI	5.6	SBM5.4V8GAEK	TIER1	PC	D	2TWC	2	2	UL	UNIVERSAL	46105	ALL
6	1995	BMW	850CSI	5.6	SBM5.4V8GAEK	TIER1	PC	D	2TWC	2	2	UR	UNIVERSAL	46105	ALL
7	1996	BMW	318I	1.9	TBM1.9VJGKEK	TIER1	PC	S	TWC	1	1	U	UNIVERSAL	46105	ALL
8	1996	BMW	318I	1.9	TBM1.9VJGKEK	TIER1	PC	S	TWC	1	1	U	DIRECT FIT	46662	ALL
9	1996	BMW	318IS	1.9	TBM1.9VJGKEK	TIER1	PC	S	TWC	1	1	U	UNIVERSAL	46105	ALL
10	1996	BMW	318IS	1.9	TBM1.9VJGKEK	TIER1	PC	S	TWC	1	1	U	DIRECT FIT	46662	ALL
11	1996	BMW	318TI	1.9	TBM1.9VJGKEK	TIER1	PC	S	TWC	1	1	U	UNIVERSAL	46105	ALL
12	1996	BMW	318TI	1.9	TBM1.9VJGKEK	TIER1	PC	S	TWC	1	1	U	DIRECT FIT	46662	ALL
13	1996	BMW	328I	2.8	TBM2.8VJGKEK	TLEV	PC	D	2TWC	2	2	UL	UNIVERSAL	46104	ALL
14	1996	BMW	328I	2.8	TBM2.8VJGKEK	TLEV	PC	D	2TWC	2	2	UR	UNIVERSAL	46104	ALL
15	1996	BMW	328IS	2.8	TBM2.8VJGKEK	TLEV	PC	D	2TWC	2	2	UL	UNIVERSAL	46104	ALL
16	1996	BMW	328IS	2.8	TBM2.8VJGKEK	TLEV	PC	D	2TWC	2	2	UR	UNIVERSAL	46104	ALL
17	1996	BMW	740IL	4.4	TBM4.4VJGFEK	TIER1	PC	D	2TWC	2	2	UL	UNIVERSAL	46105	ALL
18	1996	BMW	740IL	4.4	TBM4.4VJGFEK	TIER1	PC	D	2TWC	2	2	UL	DIRECT FIT	46682	ALL
19	1996	BMW	740IL	4.4	TBM4.4VJGFEK	TIER1	PC	D	2TWC	2	2	UR	UNIVERSAL	46105	ALL
20	1996	BMW	740IL	4.4	TBM4.4VJGFEK	TIER1	PC	D	2TWC	2	2	UR	DIRECT FIT	46683	ALL
21	1996	BMW	750IL	5.4	TBM5.4V8GFEK	TIER1	PC	D	2TWC	2	2	UL	UNIVERSAL	46105	ALL
22	1996	BMW	750IL	5.4	TBM5.4V8GFEK	TIER1	PC	D	2TWC	2	2	UL	DIRECT FIT	46684	ALL
23	1996	BMW	750IL	5.4	TBM5.4V8GFEK	TIER1	PC	D	2TWC	2	2	UR	UNIVERSAL	46105	ALL
24	1996	BMW	750IL	5.4	TBM5.4V8GFEK	TIER1	PC	D	2TWC	2	2	UR	DIRECT FIT	46685	ALL
25	1996	BMW	840CI	4.4	TBM4.4VJGFEK	TIER1	PC	D	2TWC	2	2	UL	UNIVERSAL	46105	ALL
26	1996	BMW	840CI	4.4	TBM4.4VJGFEK	TIER1	PC	D	2TWC	2	2	UL	DIRECT FIT	46686	ALL
27	1996	BMW	840CI	4.4	TBM4.4VJGFEK	TIER1	PC	D	2TWC	2	2	UR	UNIVERSAL	46105	ALL
28	1996	BMW	840CI	4.4	TBM4.4VJGFEK	TIER1	PC	D	2TWC	2	2	UR	DIRECT FIT	46687	ALL
29	1996	BMW	850CI	5.4	TBM5.4V8GFEK	TIER1	PC	D	2TWC	2	2	UL	UNIVERSAL	46105	ALL
30	1996	BMW	850CI	5.4	TBM5.4V8GFEK	TIER1	PC	D	2TWC	2	2	UL	DIRECT FIT	46688	ALL
31	1996	BMW	850CI	5.4	TBM5.4V8GFEK	TIER1	PC	D	2TWC	2	2	UR	UNIVERSAL	46105	ALL
32	1996	BMW	850CI	5.4	TBM5.4V8GFEK	TIER1	PC	D	2TWC	2	2	UR	DIRECT FIT	46689	ALL
33	1996	BMW	Z3	1.9	TBM1.9VJGKEK	TIER1	PC	S	TWC	1	1	U	UNIVERSAL	46105	ALL
34	1997	BMW	318I	1.9	VBM1.9VJGKFK	TLEV	PC	S	TWC	1	1	U	UNIVERSAL	46105	ALL
35	1997	BMW	318I	1.9	VBM1.9VJGKFK	TLEV	PC	S	TWC	1	1	U	DIRECT FIT	46662	ALL
36	1997	BMW	318IS	1.9	VBM1.9VJGKFK	TLEV	PC	S	TWC	1	1	U	UNIVERSAL	46105	ALL
37	1997	BMW	318IS	1.9	VBM1.9VJGKFK	TLEV	PC	S	TWC	1	1	U	DIRECT FIT	46662	ALL
38	1997	BMW	318TI	1.9	VBM1.9VJGKFK	TLEV	PC	S	TWC	1	1	U	UNIVERSAL	46105	ALL
39	1997	BMW	318TI	1.9	VBM1.9VJGKFK	TLEV	PC	S	TWC	1	1	U	DIRECT FIT	46662	ALL
40	1997	BMW	528I	2.8	VBM2.8VJGKEK	TLEV	PC	D	2TWC	2	2	U	DIRECT FIT	46679	ALL
41	1997	BMW	528I	2.8	VBM2.8VJGKEK	TLEV	PC	D	2TWC	2	2	UL	UNIVERSAL	46105	ALL
42	1997	BMW	528I	2.8	VBM2.8VJGKEK	TLEV	PC	D	2TWC	2	2	UL	DIRECT FIT	46665	ALL
43	1997	BMW	528I	2.8	VBM2.8VJGKEK	TLEV	PC	D	2TWC	2	2	UR	UNIVERSAL	46105	ALL
44	1997	BMW	528I	2.8	VBM2.8VJGKEK	TLEV	PC	D	2TWC	2	2	UR	DIRECT FIT	46666	ALL

Appendix D-193-69
Car Sound Exhaust Systems, Inc. 46000

No.	Model Year	Make	Model	Engine Size (liters)	Test Group Name	Certification Level	Weight Class	Exhaust Type	Converter Type	Total Converter	Monitored Converter	Conv. Location	Converter Part Type	MFR Part Number	Application Type
45	1997	BMW	540I	4.4	VBM4.4VJGKEK	TLEV	PC	D	2TWC	2	2	UL	UNIVERSAL	46105	ALL
46	1997	BMW	540I	4.4	VBM4.4VJGKEK	TLEV	PC	D	2TWC	2	2	UL	DIRECT FIT	46680	ALL
47	1997	BMW	540I	4.4	VBM4.4VJGKEK	TLEV	PC	D	2TWC	2	2	UR	UNIVERSAL	46105	ALL
48	1997	BMW	540I	4.4	VBM4.4VJGKEK	TLEV	PC	D	2TWC	2	2	UR	DIRECT FIT	46681	ALL
49	1997	BMW	740I	4.4	VBM4.4VJGKEK	TLEV	PC	D	2TWC	2	2	UL	UNIVERSAL	46105	ALL
50	1997	BMW	740I	4.4	VBM4.4VJGKEK	TLEV	PC	D	2TWC	2	2	UR	UNIVERSAL	46105	ALL
51	1997	BMW	740IL	4.4	VBM4.4VJGKEK	TLEV	PC	D	2TWC	2	2	UL	UNIVERSAL	46105	ALL
52	1997	BMW	740IL	4.4	VBM4.4VJGKEK	TLEV	PC	D	2TWC	2	2	UL	DIRECT FIT	46682	ALL
53	1997	BMW	740IL	4.4	VBM4.4VJGKEK	TLEV	PC	D	2TWC	2	2	UR	UNIVERSAL	46105	ALL
54	1997	BMW	740IL	4.4	VBM4.4VJGKEK	TLEV	PC	D	2TWC	2	2	UR	DIRECT FIT	46683	ALL
55	1997	BMW	750IL	5.4	VBM5.4V8GFEK	TLEV	PC	D	2TWC	2	2	UL	UNIVERSAL	46105	ALL
56	1997	BMW	750IL	5.4	VBM5.4V8GFEK	TLEV	PC	D	2TWC	2	2	UL	DIRECT FIT	46684	ALL
57	1997	BMW	750IL	5.4	VBM5.4V8GFEK	TLEV	PC	D	2TWC	2	2	UR	UNIVERSAL	46105	ALL
58	1997	BMW	750IL	5.4	VBM5.4V8GFEK	TLEV	PC	D	2TWC	2	2	UR	DIRECT FIT	46685	ALL
59	1997	BMW	840CI	4.4	VBM4.4VJGKEK	TLEV	PC	D	2TWC	2	2	UL	UNIVERSAL	46105	ALL
60	1997	BMW	840CI	4.4	VBM4.4VJGKEK	TLEV	PC	D	2TWC	2	2	UL	DIRECT FIT	46686	ALL
61	1997	BMW	840CI	4.4	VBM4.4VJGKEK	TLEV	PC	D	2TWC	2	2	UR	UNIVERSAL	46105	ALL
62	1997	BMW	840CI	4.4	VBM4.4VJGKEK	TLEV	PC	D	2TWC	2	2	UR	DIRECT FIT	46687	ALL
63	1997	BMW	850CI	5.4	VBM5.4V8GFEK	TLEV	PC	D	2TWC	2	2	UL	UNIVERSAL	46105	ALL
64	1997	BMW	850CI	5.4	VBM5.4V8GFEK	TLEV	PC	D	2TWC	2	2	UR	UNIVERSAL	46105	ALL
65	1997	BMW	Z3	1.9	VBM1.9VJGKFK	TLEV	PC	S	TWC	1	1	U	UNIVERSAL	46105	ALL
66	1997	BMW	Z3	2.8	VBM2.8VJGKFK	TLEV	PC	S	TWC	1	1	U	UNIVERSAL	46105	ALL
67	1997	BMW	Z3	2.8	VBM2.8VJGKFK	TLEV	PC	S	TWC	1	1	U	DIRECT FIT	46693	ALL
68	1998	BMW	318I	1.9	WBMXV01.9M44	TLEV	PC	S	TWC	1	1	U	UNIVERSAL	46105	ALL
69	1998	BMW	318I	1.9	WBMXV01.9M44	TLEV	PC	S	TWC	1	1	U	DIRECT FIT	46662	ALL
70	1998	BMW	318TI	1.9	WBMXV01.9M44	TLEV	PC	S	TWC	1	1	U	UNIVERSAL	46105	ALL
71	1998	BMW	323IS	2.5	WBMXV02.8Z35	TLEV	PC	S	TWC	1	1	U	UNIVERSAL	46105	ALL
72	1998	BMW	323IS	2.5	WBMXV02.8Z35	TLEV	PC	S	TWC	1	1	U	DIRECT FIT	46663	ALL
73	1998	BMW	328I	2.8	WBMXV02.8M52	TLEV	PC	D	2TWC	2	2	UL	UNIVERSAL	46104	ALL
74	1998	BMW	328I	2.8	WBMXV02.8M52	TLEV	PC	D	2TWC	2	2	UR	UNIVERSAL	46104	ALL
75	1998	BMW	328IS	2.8	WBMXV02.8M52	TLEV	PC	D	2TWC	2	2	UL	UNIVERSAL	46104	ALL
76	1998	BMW	328IS	2.8	WBMXV02.8M52	TLEV	PC	D	2TWC	2	2	UR	UNIVERSAL	46104	ALL
77	1998	BMW	528I	2.8	WBMXV02.8M52	TLEV	PC	D	2TWC	2	2	U	DIRECT FIT	46679	ALL
78	1998	BMW	528I	2.8	WBMXV02.8M52	TLEV	PC	D	2TWC	2	2	UL	UNIVERSAL	46105	ALL
79	1998	BMW	528I	2.8	WBMXV02.8M52	TLEV	PC	D	2TWC	2	2	UL	DIRECT FIT	46665	ALL
80	1998	BMW	528I	2.8	WBMXV02.8M52	TLEV	PC	D	2TWC	2	2	UR	UNIVERSAL	46105	ALL
81	1998	BMW	528I	2.8	WBMXV02.8M52	TLEV	PC	D	2TWC	2	2	UR	DIRECT FIT	46666	ALL
82	1998	BMW	540I	4.4	WBMXV04.4M62	TLEV	PC	D	2TWC	2	2	UL	UNIVERSAL	46105	ALL
83	1998	BMW	540I	4.4	WBMXV04.4M62	TLEV	PC	D	2TWC	2	2	UL	DIRECT FIT	46680	ALL
84	1998	BMW	540I	4.4	WBMXV04.4M62	TLEV	PC	D	2TWC	2	2	UR	UNIVERSAL	46105	ALL
85	1998	BMW	540I	4.4	WBMXV04.4M62	TLEV	PC	D	2TWC	2	2	UR	DIRECT FIT	46681	ALL
86	1998	BMW	740I	4.4	WBMXV04.4M62	TLEV	PC	D	2TWC	2	2	UL	UNIVERSAL	46105	ALL
87	1998	BMW	740I	4.4	WBMXV04.4M62	TLEV	PC	D	2TWC	2	2	UR	UNIVERSAL	46105	ALL
88	1998	BMW	740IL	4.4	WBMXV04.4M62	TLEV	PC	D	2TWC	2	2	UL	UNIVERSAL	46105	ALL

Appendix D-193-69
Car Sound Exhaust Systems, Inc. 46000

No.	Model Year	Make	Model	Engine Size (liters)	Test Group Name	Certification Level	Weight Class	Exhaust Type	Converter Type	Total Converter	Monitored Converter	Conv. Location	Converter Part Type	MFR Part Number	Application Type
89	1998	BMW	740IL	4.4	WBMXV04.4M62	TLEV	PC	D	2TWC	2	2	UL	DIRECT FIT	46682	ALL
90	1998	BMW	740IL	4.4	WBMXV04.4M62	TLEV	PC	D	2TWC	2	2	UR	UNIVERSAL	46105	ALL
91	1998	BMW	740IL	4.4	WBMXV04.4M62	TLEV	PC	D	2TWC	2	2	UR	DIRECT FIT	46683	ALL
92	1998	BMW	750IL	5.4	WBMXV05.4M73	TIER1	PC	D	2TWC	2	2	UL	UNIVERSAL	46105	ALL
93	1998	BMW	750IL	5.4	WBMXV05.4M73	TIER1	PC	D	2TWC	2	2	UL	DIRECT FIT	46684	ALL
94	1998	BMW	750IL	5.4	WBMXV05.4M73	TIER1	PC	D	2TWC	2	2	UR	UNIVERSAL	46105	ALL
95	1998	BMW	750IL	5.4	WBMXV05.4M73	TIER1	PC	D	2TWC	2	2	UR	DIRECT FIT	46685	ALL
96	1998	BMW	Z3	1.9	WBMXV01.9M44	TLEV	PC	S	TWC	1	1	U	UNIVERSAL	46105	ALL
97	1998	BMW	Z3	2.8	WBMXV02.8Z35	TLEV	PC	S	TWC	1	1	U	UNIVERSAL	46105	ALL
98	1998	BMW	Z3	2.8	WBMXV02.8Z35	TLEV	PC	S	TWC	1	1	U	DIRECT FIT	46693	ALL
99	1999	BMW	318TI	1.9	XBMXV01.9M44	TLEV	PC	S	TWC	1	1	U	UNIVERSAL	46105	ALL
100	1999	BMW	323I	2.5	XBMXV02.5M52	TLEV	PC	S	TWC	1	1	U	UNIVERSAL	46105	ALL
101	1999	BMW	323I	2.5	XBMXV02.5M52	TLEV	PC	S	TWC	1	1	U	DIRECT FIT	46663	ALL
102	1999	BMW	323IS	2.5	XBMXV02.5M52	TLEV	PC	S	TWC	1	1	U	UNIVERSAL	46105	ALL
103	1999	BMW	323IS	2.5	XBMXV02.5M52	TLEV	PC	S	TWC	1	1	U	DIRECT FIT	46663	ALL
104	1999	BMW	328I	2.8	XBMXV02.8M52	TLEV	PC	D	2TWC	2	2	U	DIRECT FIT	46663	ALL
105	1999	BMW	328I	2.8	XBMXV02.8M52	TLEV	PC	D	2TWC	2	2	UL	UNIVERSAL	46104	ALL
106	1999	BMW	328I	2.8	XBMXV02.8M52	TLEV	PC	D	2TWC	2	2	UR	UNIVERSAL	46104	ALL
107	1999	BMW	328IS	2.8	XBMXV02.8M52	TLEV	PC	D	2TWC	2	2	U	DIRECT FIT	46663	ALL
108	1999	BMW	328IS	2.8	XBMXV02.8M52	TLEV	PC	D	2TWC	2	2	UL	UNIVERSAL	46104	ALL
109	1999	BMW	328IS	2.8	XBMXV02.8M52	TLEV	PC	D	2TWC	2	2	UR	UNIVERSAL	46104	ALL
110	1999	BMW	M3	3.2	XBMXV02.8M52	TLEV	PC	D	2TWC	2	2	U	DIRECT FIT	46690	ALL
111	1999	BMW	M3	3.2	XBMXV02.8M52	TLEV	PC	D	2TWC	2	2	UL	UNIVERSAL	46104	ALL
112	1999	BMW	M3	3.2	XBMXV02.8M52	TLEV	PC	D	2TWC	2	2	UR	UNIVERSAL	46104	ALL
113	1999	BMW	Z3	3.2	XBMXV02.8M52	TLEV	PC	D	2TWC	2	2	UL	UNIVERSAL	46104	ALL
114	1999	BMW	Z3	3.2	XBMXV02.8M52	TLEV	PC	D	2TWC	2	2	UR	UNIVERSAL	46104	ALL
115	2000	BMW	M5	5	YBMXV04.9S62	TLEV	PC	D	2TWC	2	2	UL	UNIVERSAL	46105	ALL
116	2000	BMW	M5	5	YBMXV04.9S62	TLEV	PC	D	2TWC	2	2	UL	DIRECT FIT	46691	ALL
117	2000	BMW	M5	5	YBMXV04.9S62	TLEV	PC	D	2TWC	2	2	UR	UNIVERSAL	46105	ALL
118	2000	BMW	M5	5	YBMXV04.9S62	TLEV	PC	D	2TWC	2	2	UR	DIRECT FIT	46692	ALL
119	2000	BMW	Z3	3.2	YBMXV03.2S52	TLEV	PC	D	2TWC	2	2	UL	UNIVERSAL	46104	ALL
120	2000	BMW	Z3	3.2	YBMXV03.2S52	TLEV	PC	D	2TWC	2	2	UR	UNIVERSAL	46104	ALL
121	2000	BMW	Z8	5	YBMXV04.9S62	TLEV	PC	D	2TWC	2	2	UL	UNIVERSAL	46105	ALL
122	2000	BMW	Z8	5	YBMXV04.9S62	TLEV	PC	D	2TWC	2	2	UR	UNIVERSAL	46105	ALL
123	2001	BMW	M5	5	1BMXV04.9S62	TLEV	PC	D	2TWC	2	2	UL	UNIVERSAL	46105	ALL
124	2001	BMW	M5	5	1BMXV04.9S62	TLEV	PC	D	2TWC	2	2	UL	DIRECT FIT	46691	ALL
125	2001	BMW	M5	5	1BMXV04.9S62	TLEV	PC	D	2TWC	2	2	UR	UNIVERSAL	46105	ALL
126	2001	BMW	M5	5	1BMXV04.9S62	TLEV	PC	D	2TWC	2	2	UR	DIRECT FIT	46692	ALL
127	2001	BMW	Z8	5	1BMXV04.9S62	TLEV	PC	D	2TWC	2	2	UL	UNIVERSAL	46105	ALL
128	2001	BMW	Z8	5	1BMXV04.9S62	TLEV	PC	D	2TWC	2	2	UR	UNIVERSAL	46105	ALL
129	2002	BMW	M5	5	2BMXV04.9S62	TLEV	PC	D	2TWC	2	2	UL	UNIVERSAL	46105	ALL
130	2002	BMW	M5	5	2BMXV04.9S62	TLEV	PC	D	2TWC	2	2	UL	DIRECT FIT	46691	ALL
131	2002	BMW	M5	5	2BMXV04.9S62	TLEV	PC	D	2TWC	2	2	UR	UNIVERSAL	46105	ALL
132	2002	BMW	M5	5	2BMXV04.9S62	TLEV	PC	D	2TWC	2	2	UR	DIRECT FIT	46692	ALL

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No.	Model Year	Make	Model	Engine Size (liters)	Test Group Name	Certification Level	Weight Class	Exhaust Type	Converter Type	Total Converter	Monitored Converter	Conv. Location	Converter Part Type	MFR Part Number	Application Type
133	2002	BMW	Z8	5	2BMXV04.9S62	TLEV	PC	D	2TWC	2	2	UL	UNIVERSAL	46105	ALL
134	2002	BMW	Z8	5	2BMXV04.9S62	TLEV	PC	D	2TWC	2	2	UR	UNIVERSAL	46105	ALL
135	2003	BMW	M5	5	3BMXV04.9S62	TLEV	PC	D	2TWC	2	2	UL	UNIVERSAL	46105	ALL
136	2003	BMW	M5	5	3BMXV04.9S62	TLEV	PC	D	2TWC	2	2	UL	DIRECT FIT	46691	ALL
137	2003	BMW	M5	5	3BMXV04.9S62	TLEV	PC	D	2TWC	2	2	UR	UNIVERSAL	46105	ALL
138	2003	BMW	M5	5	3BMXV04.9S62	TLEV	PC	D	2TWC	2	2	UR	DIRECT FIT	46692	ALL
139	2003	BMW	Z8	5	3BMXV04.9S62	TLEV	PC	D	2TWC	2	2	UL	UNIVERSAL	46105	ALL
140	2003	BMW	Z8	5	3BMXV04.9S62	TLEV	PC	D	2TWC	2	2	UR	UNIVERSAL	46105	ALL